

Multicentric study on cancer risk among workers in the pulp and paper industry

The final report of the Multicentric International Cohort Study of Workers in the Pulp and Paper Industry, concluded in March 2001, is available below.

The aim of the Multicentric International Cohort Study of Workers in the Pulp and Paper Industry was to investigate the mortality and cancer incidence in workers employed in the pulp and paper industry. The study includes a large population of workers employed in the pulp and paper industry in 15 countries (Brazil, Canada, Denmark, Finland, France, Italy, Japan, New Zealand, Norway, Poland, South Africa, Spain, Sweden, the United Kingdom and the United States) and benefited from the collaboration with IARC. Several manuscripts have been published from this research project and are listed below.

The PIs of this project were: A Andersen, B Andreassen Rix, A Bergeret, P Boffetta, LA Facchini, P Henneberger, T Kauppinen, D Kielkowski, R Kishi, M Kogevinas, P Jäppinen, N Pearce, B Persson, I Szadkowska-Stanczyk., K Teschke, P Wild

E Pasqual, R Wedekind, M Schubauer-Berigan in collaboration with P Boffetta, M Kogevinas, P Henneberger, N Pearce, K Teschke, P Wild were involved in making this report available online.

List of papers published from this research project:

Carel R, Boffetta P, Kauppinen T, Teschke K, Andersen A, Jäppinen P, Pearce N, Rix BA, Bergeret A, Coggon D, Persson B, Szadkowska-Stanczyk I, Kielkowski D, Henneberger P, Kishi R, Facchini LA, Sala M, Colin D, Kogevinas M. Exposure to asbestos and lung and pleural cancer mortality among pulp and paper industry workers. *J Occup Environ Med.* 2002 Jun;44(6):579-84. doi: 10.1097/00043764-200206000-00022. PMID: 12085486.

Kauppinen T, Teschke K, Savela A, Kogevinas M, Boffetta P. International data base of exposure measurements in the pulp, paper and paper product industries. *Int Arch Occup Environ Health.* 1997;70(2):119-27. doi: 10.1007/s004200050195. PMID: 9253640.

Kauppinen T, Teschke K, Astrakianakis G, Boffetta P, Colin D, Keefe A, Korhonen K, Liukkonen T, Nicol AM, Pannett B, Westberg H. Assessment of exposure in an international study on cancer risks among pulp, paper, and paper product workers. *AIHA J (Fairfax, Va).* 2002 May-Jun;63(3):254-61. doi: 10.1080/15428110208984711. PMID: 12173173.

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Multicentric study on cancer risk among workers in the pulp and paper industry final report

The final report of the Multicentric International Cohort Study of Workers in the Pulp and Paper Industry, concluded in March 2001, is now available here.

The aim of the Multicentric International Cohort Study of Workers in the Pulp and Paper Industry was to investigate the mortality and cancer incidence in workers employed in the pulp and paper industry. The study includes a large population of workers employed in the pulp and paper industry in 15 countries (Brazil, Canada, Denmark,

Finland, France, Italy, Japan, New Zealand, Norway, Poland, South Africa, Spain, Sweden, the United Kingdom and the United States) and benefited from the collaboration with IARC.

Several manuscripts have been published from this research project. One of these describes the development of the Pulp and Paper Department Exposure Matrix (PAPDEM), a matrix linking department of employment of cohort members to probability and level of exposure to 27 agents under investigation (Kauppinen et al., 1997). The exposure of workers included in the international pooled cohort in the Pulp and Paper Industry has also been described in other publications (Teschke et al., 1999, Kauppinen et al., 2002, Korhonen et al., 2004).

Additional publications from this research project include:

- Risk of lung and pleura cancer mortality associated with asbestos exposure in the pulp and paper industry (Carel et al., 2002)
- Risk of lung cancer mortality after exposure to Sulfur Dioxide in the pulp and paper industry (Lee et al., 2002)
- Risk of cancer mortality after exposure to organochloride compounds in the pulp and paper industry (McLean et al., 2006)

Below we describe the methodology used and the results obtained from this project.

2. METHODS and MATERIALS

Participants

The population under study are the workers employed for at least one year in pulp and paper companies from 15 countries (Brazil, Canada, Denmark, Finland, France, Italy, Japan, New Zealand, Norway, Poland, South Africa, Spain, Sweden, the United Kingdom and the United States). The number of participants in the database and in the analysis by sex and country is presented in Table 1.1. Out of the 125,828 workers in the database, workers employed less than one year or with incomplete data were excluded. A total of 103,773 participants were included in analysis. Norway provided the largest number of members (27%). Basic statistics on duration of employment (mean 14.2; range 1-75) and years of follow-up (mean 21.1; range 0-51) are presented in Table 1.2. Individuals were identified from factory records and were followed up for mortality from the year of starting of production that ranged among 1943 and 1985 to the mid-1990s (Table 1.3).

Exposure assessment

The cornerstones of the assessment were industrial hygiene measurement data included in the international database (Kauppinen et al., 1997), information from detailed company questionnaires, and the experience of the assessment team. Over 31,000 measurement results on 246 chemical agents from 13 countries were available in the international database. Most of them were from the 1980s and the 1990s. The most frequently measured groups of agents were inorganic gases (sulphur dioxide, hydrogen sulphide, chlorine, carbon monoxide, etc.), organic compounds (dimethylsulphide, formaldehyde, paper dust, etc.), organic solvents (toluene, turpentine, methanol, etc.), mineral dusts ('total' dust, asbestos, silica, talc, etc.), metals (mercury, lead, welding fumes, etc.) and bioaerosols (fungal spores, bacteria, endotoxins, etc.). The company questionnaires addressed the current and historical use and occurrence of chemical agents or their surrogates and working conditions in mills. Relevant information was extracted from them, classified by department, agent, and mill, and entered in PAPDEM. A computerized database was designed and constructed to help this comprehensive assessment effort, and to document the grounds for the actual assessment. Although the assessment was preferably based on measurement data whenever possible, there were many mill-department-agent-period combinations where professional judgments of the assessment team was indispensable. The full list of the agents evaluated and additional details on the methodology used is reported elsewhere (Kauppinen et al., 2002)

The exposure characteristics of individual cohort members could not be based on their tasks or job titles because these were available only for a part of the pooled cohort available to IARC. The minimum descriptor of the occupational histories in the epidemiological study was the department. Each mill cohort contained workers from many departments which were coded by using a classification (96 categories) constructed for the present study. Examples of departments in pulp mills (52 categories) are 'wood treatment', 'sulphite pulp, digestion' and 'chlorine plant'. Examples of departments in recycling mills (8 categories) are 'recycling, deinking' and 'recycling, winding'. Examples of departments in paper or paperboard mills (10 categories) are 'stock preparation' and 'fine paper machine'. Examples of departments in paper product mills (12 categories) are 'paper bags and sacks' and 'off-machine coating of paper'. Examples of non-production departments in mills (12 categories) are 'maintenance, repair, cleaning', 'power plant' and 'construction'. The classification included also a code for 'other specified department' and 'unknown department' in any type of mill. The full list of department codes used in the analysis is reported in Annex 1.

The PAPDEM application allowed the assessors to provide different exposure assignments for different time periods if there was a good reason to believe that prevalence and/or level of exposure had changed over time. We described exposure by using both the prevalence of exposure and the level of exposure because often only a portion of workers in a department were exposed to an agent. The prevalence of exposure (P) referred to the proportion (classified) of workers of the department exposed to the agent on an average workday. The classes of P were the same for each agent assessed in quantitative terms:

- 0 = no exposure (< 5% of workers in the department exposed)
- 1 = low prevalence of exposure (5-50%)
- 2 = medium prevalence of exposure (51-95%)
- 3 = high prevalence of exposure (>95%)
- 8 = potential exposure of unknown prevalence (prevalence class 1, 2 or 3)
- 9 = unknown prevalence of exposure (prevalence class 0, 1, 2 or 3)

The level of exposure (L) referred to the mean level (classified) of exposure at work averaged over the work-year among the exposed workers of the department. The agent-specific class limits were determined by using as guidelines percentile values of the results of the measurement database. The classes of L were:

- 0 = no exposure (level not higher than nonoccupational background)
- 1 = low level of exposure
- 2 = medium level of exposure
- 3 = high level of exposure
- 8 = potential exposure of unknown level (level class 1, 2 or 3)
- 9 = unknown level of exposure (level class 0, 1, 2 or 3)

The following 18 combinations of P and L were considered acceptable: 00, 99 and any combination of 1, 2, 3 and 8. When the prevalence and level of exposure are multiplied, the product represents the mean level of exposure for that group of workers.

PAPDEM includes a built-in reporting system with a large variety of listings and reports constructed to support the assessment effort and to provide documentation. PAPDEM is technically a MS Access 97 database which operates in MS Windows environment.

Statistical analysis

For the purpose of epidemiologic analysis, participants were classified into these six department groups according to their department (Table 1.5, 1.6), only employed in one department (Table 1.7, 1.8) and their longest employment (Table 1.9).

Person-years at risk were calculated using a modified life-table approach (Coleman et al., 1986). Tabulation of person-years started at the beginning of the observation period or on day one of the second year of employment if this occurred after the start of the observation period. Expected deaths were computed by multiplying the person-years in each age- and five-year calendar period-specific stratum by the national reference rates. National rates were derived from the WHO Mortality Data base available at the time of the analysis (WHO 2001). The ratio of observed to expected deaths gives the standardized mortality ratio (SMR). A 95% confidence interval was computed for each SMR based on the assumption that the observed number of deaths followed a Poisson distribution.

Duration of employment was divided into seven categories (<4 years, 5-9, 10-14, 15-19, 20-24, 25-29, >30 years), and time since first employment (TSFE) was divided into five categories (<9 years, 10-14, 15-19, 20-24, >25 years). Table 1.10 reports total number of participants, person-years overall, and by countries, sex, and years since first employment. The SMR was calculated by dividing the observed number of deaths by the expected number of deaths and multiplying by 100.

Tests for linear trend in SMRs were done using a method described in Breslow and Day (1987). To test for interaction, TSFE, calendar time at hire, and age at hire were dichotomized, and the significance of the interaction of the dichotomized variable with the continuous exposure metric was tested.

3. RESULTS

The results are presented in two sets of tables. Table set 2 includes the results of the mortality follow-up; table set 4 those of the cancer incidence follow-up. Within each set, results are presented by employment in the industry (tables sets 2.1-2.3 for mortality and 4.1-4.3 for incidence), by department of employment (table sets 2.4-2.9 for mortality) and by exposure to PAPDEM agents (table sets 2.10-2.15 for mortality and 4.4-4.5 for incidence). Results are presented for individual countries, as well as

for all countries combined. In tables 2.1-2.8 results are also presented for all countries excluding Brazil, because of the high proportion of loss to follow-up, and South Africa, because of the lack of reference rates.

Outcome of the follow-up for mortality

The number of participants by follow-up status (alive, dead, lost to follow-up) by country and sex is presented in Table 1.4 (total cohort), Table 1.5 (by department group) and Table 1.6 (by department), Table 1.7 (employment in only one department group), Table 1.8 (employment in only one department), and Table 1.9 (by department group of longest employment). At the end of the follow-up, of the total 98,665 workers in the analysis excluding Brazil and South Africa, 77,256 (78%) were alive, 18,313 (19%) were deceased, 2,122 (2%) were lost to follow-up, and 974 (1%) had emigrated. Overall, the completeness of follow-up was 97% and was the largest in Poland (100%) followed by Denmark, Finland, France, Japan, and Norway (99%). Non-production departments included the largest number of participants (52%), followed by paperboard production (33%) and pulp production (21%).

Overall mortality

A total of 18,522 deaths occurred during the study period, versus 20,267.4 expected yielding a SMR of 0.91 (95% CI, 0.90-0.93) (Table 2.1.1). The decrease was present in both genders (Table 2.1.2). Country specific SMR for all causes was above unity in Norway (SMR=1.02, 95% CI, 0.99-1.04) and Denmark (SMR=1.03, 95% CI, 0.99-1.06). In Brazil, the SMR was 0.35 (95% CI, 0.29-0.43) and we could not calculate the SMR in South Africa due to lack of information on national rates (Table 2.1.5 – 2.1.18). While a slightly reduced SMR for all cause of death might reflect a healthy worker effect, an important reduction might be due to incomplete ascertainment of deaths. We therefore conducted a combined analysis on data from all countries but Brazil and South Africa (Table 2.1.3, 2.1.4). The SMR for overall mortality increased significantly with increasing time since first employment (Table 2.2.1 – 2.2.4), while highest in the category with shortest duration of employment (Table 2.3.1 – 2.3.4).

Cancer mortality

The overall cancer mortality was significantly decreased in the whole cohort (SMR 0.93), based on 4506 observed and 4840.5 expected deaths (Table 2.1.1). The

decrease was significant in male workers (SMR=0.93; 95% CI 0.90-0.96) but not in female workers (SMR=0.96; 95% CI, 0.88-1.04). These values were almost the same when excluding data from Brazil and South Africa which were incomplete (Table 2.1.3, 2.1.4). SMRs by country ranged from 0.67 (Japan) to 1.02 (Norway). Among 15 countries, only 2 countries, Norway (1.02) and USA (1.01), showed non-significant elevated SMR (Table 2.1.5 – 2.1.18). The SMR for all cancer mortality significantly increased with latency (i.e., time since first employment) (Table 2.2.1 – 2.2.4) but decreased with duration of employment (Table 2.3.1 – 2.3.4). Only other/unknown department had significantly increased SMR (Table 2.5.1 – 2.6.4).

Mortality from specific cancers for the total cohort revealed a statistically significant excess risk for pleura cancer (36 cases, SMR=1.87; 95% CI=1.31-2.58) and other male genital organs (13 cases, SMR=2.39; 95% CI=1.27-4.09) (Table 2.1.1). In males, pleura (31 cases, SMR=1.70; 95% CI=1.16-2.42) and other male genital organs were significantly increased (Table 2.1.1). In females, mortality from trachea, bronchus and lung cancer (72 cases, SMR=1.32; 95% CI=1.03-1.66) and soft tissue sarcoma (7 cases, SMR=2.55; 95% CI=1.03-5.25) as well as pleura cancer (5 cases, SMR=4.53; 95% CI=1.47-10.6), were higher than expected (Table 2.1.1). On the contrary, all of non-malignant neoplasms and six malignant cancers (buccal pharynx, oesophagus, stomach, liver, bone, prostate) had significantly decreased SMR.

The mortality rates of all cause, stomach cancer and disease of circulatory system had increased trends with increasing years since first employment (Table 2.2.1-2.2.4). The risk of all cancers, trachea, bronchus, and lung and mental disorders significantly decreased with increasing years of employment (Table 2.3.1-2.3.4).

Tables 2.4 to 2.6 show mortality by ever-work in one department (Table 2.4), only one department (Table 2.5) and department of longest employment (Table 2.6) in male and female workers. The analysis showed a significant excess of mortality for trachea, bronchus and lung cancer (SMR=1.22; 95% CI=1.03-1.44) in other/unknown department and pleura cancer in pulp production (SMR=2.39; 95% CI=1.03-4.72) and non-production department (SMR=2.27; 95% CI=1.34-3.58) by the longest employment department in the total cohort (Table 2.6.1). The risk of mortality was not significantly different among male and female workers.

In Table 2.7 and 2.8, we present the mortality from selected causes of death by latency and duration of employment in only one department. For all cancers there was no

significant association with latency and duration of employment. For lung cancer, a significant increased SMR was seen among female workers with more than 20 years of latency (table 2.7.4).

According to detailed cause of death tabulations by specific department of ever employment (Table 2.9.1 - 2.9.51), 2 pulp production departments (wood treatment, production of groundwood), 2 paperboard pulp production departments (stock preparation, paperboard machine), one paperboard product manufacture department (production of bags and sacks) and 4 non-production departments (storage loading transport, office, construction, engineering) had SMRs for all cancer below unity.

Table 2.10 and 2.11 report SMR for specific cause of death for those ever exposed or ever highly exposed to each specific agent, respectively. The SMRs for cancers of pleura and other male genital organ were increased for many agents. SMRs for several other cancers, including melanoma (brighteners), Hodgkin's disease (nonvolatile organochlorinated compound), other respiratory organ (ICD9 164-165) (mercury compound) and corpus uteri (hydraine) were also increased among workers exposed to specific agents (Table 2.10). For those ever highly exposed to specific agents under study, increased SMRs were reported for lung (volatile organochloride compounds, sulfur dioxide), lung in women (talc), pleura (volatile organochloride compounds, oil and synthetic fluid with dermal absorption, non-chlorinated organic solvent, welding fumes), cervix uteri (inorganic chlorine compounds, titanium dioxide), liver (oil and synthetic fluids with inhalation exposure), ovary (talc) (Table 2.11). Table 2.12 and 2.13 reports SMRs for specific causes of deaths by years since first exposure and duration of employment, respectively. The SMRs for overall mortality and all cancer mortality increased with increasing latency in the majority of agents (Table 2.12), but they were highest in less than 10 years of duration of employment and decreased in later periods (Table 2.13). SMRs for selected causes of death by years of high-exposure work to each specific agent are reported in Table 2.14. Table 2.15 reports SMRs for selected causes of death by cumulative exposure to each specific agent. There were no significant trends for all cancer mortality analysed by cumulative exposure, except combustion products and talc exposure, which showed significantly decreased SMRs for all cancer mortality with increasing cumulative exposure (Table 2.15)

Outcome of the cancer incidence follow-up

For cancer incidence, 73,775 workers from 5 countries (Denmark, Finland, New Zealand, Norway, Sweden) could be followed (Table 3.1). Among them 51,797 (70%) were alive, 19,459 (26%) were deceased, 1,594 (2%) were lost to follow-up, and 925 (1%) had emigrated. Overall, the completeness of follow-up was 96% and all of countries were over 98%, except New Zealand (81%). Tables 3.2 and 3.3 report numbers of participants and person-years by time since first employment and duration of employment, respectively. Non-production departments included the largest number of participants (43%), followed by paperboard production (25%) and pulp production (19%) (Table 3.4). The follow up by only one department and department of longest employment were presented at tables 3.5 and 3.6.

Cancer incidence

The overall cancer incidence was significantly decreased in the whole cohort (SIR 0.91 95% CI, 0.88-0.93), based on 5,920 observed and 6,527.4 expected incidence (Table 4.1.1). Cancers of oesophagus, stomach, large intestine and rectum, liver, prostate, testis, brain, thyroid and leukaemia contributed decreased overall cancer incidence. However, in women, the cancer incidence was increased for lung (SIR 1.32 95% CI 1.01-1.69), ovary (SIR 1.21 95%CI 0.95-1.52), cervix uteri (SIR 1.24 95% CI 0.99-1.52), or other female genital organs (ICD9 184) increased (SIR=1.95; 95% CI 1.01-3.41).

In all countries combined and in Finland, the SIR for overall cancer incidence increased with increasing time since first employment (Table 4.2). But there were decreasing trends for cancers of buccal pharynx and oesophagus and an increasing trend for melanoma with duration of employment (Table 4.3).

The cancer of ovary (formaldehyde), cervix uteri (dyes), lung (nonvolatile organochlorinated compound, dyes, inorganic chlorine compound, oil & synthetic fluid) were also increased among workers exposed to specific agents (Table 4.4). The SIR calculated for the ever highly exposed group was elevated for four cancers (ovarian cancer among exposed to talc and combustion products, lung and bone cancer among exposed to sulfur dioxide, breast cancer among exposed to dust) (Table 4.5).

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IARC MULTICENTRIC STUDY ON CANCER RISK AMONG WORKERS IN THE PULP AND PAPER INDUSTRY

FINAL RESULTS

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MORTALITY
DESCRIPTIVE TABLES

Table 1.1
Subjects in the database and in the analysis

Sex	Country	In Database	Exclusions			In Analysis	Detailed working history not valid (*)	
			Dates unknown	Entry = Exit	Employed less than one year			
Men	Brazil	3207	0	0	0	3207	0	
	Denmark	26424	0	0	14972	11452	0	
	Finland	8130	0	0	40	8090	866	
	France	5575	49	0	0	5526	0	
	Italy	2408	0	0	28	2380	0	
	Japan	2875	0	0	5	2870	0	
	New Zealand	8760	192	2	1091	7475	260	
	Norway	23717	0	0	64	23653	0	
	Poland	8648	7	0	1515	7126	0	
	Spain	2499	0	0	104	2395	0	
	Sweden	6311	226	0	12	6073	21	
	Scotland	3094	0	0	0	3094	115	
	USA	883	0	0	9	874	0	
	South Africa	1336	5	0	14	1317	2	
	Total		103867	479	2	17854	85532	1264
Women	Brazil	415	0	0	1	414	0	
	Denmark	5308	0	0	2697	2611	0	
	Finland	2406	0	0	18	2388	538	
	France	884	8	0	0	876	0	
	Italy	277	0	0	2	275	0	
	Japan	262	0	0	6	256	0	
	New Zealand	1356	58	0	317	981	12	
	Norway	4248	0	0	18	4230	0	
	Poland	4002	2	0	530	3470	0	
	Spain	740	0	0	55	685	0	
	Sweden	744	7	0	0	737	1	
	Scotland	1148	0	0	0	1148	23	
	South Africa	171	1	0	0	170	0	
	Total		21961	76	0	3644	18241	574

(*) subjects excluded from any department analysis

Table 1.1
Subjects in the database and in the analysis

Sex	Country	In Database	Exclusions			In Analysis	Detailed working history not valid (*)
			Dates unknown	Entry = Exit	Employed less than one year		
All	Brazil	3622	0	0	1	3621	0
	Denmark	31732	0	0	17669	14063	0
	Finland	10536	0	0	58	10478	1404
	France	6459	57	0	0	6402	0
	Italy	2685	0	0	30	2655	0
	Japan	3137	0	0	11	3126	0
	New Zealand	10116	250	2	1408	8456	272
	Norway	27965	0	0	82	27883	0
	Poland	12650	9	0	2045	10596	0
	Spain	3239	0	0	159	3080	0
	Sweden	7055	233	0	12	6810	22
	Scotland	4242	0	0	0	4242	138
	USA	883	0	0	9	874	0
	South Africa	1507	6	0	14	1487	2
	Total	125828	555	2	21498	103773	1838

(*) subjects excluded from any department analysis

Table 1.2
Years of employment and follow-up

Sex	Country	Subjects	Years of employment			Years of follow-up		
			Min	Max	Mean	Min	Max	Mean
Men	Brazil	3207	1	24	6.0	1	26	14.4
	Denmark	11452	1	63	9.3	0	51	20.7
	Finland	8090	1	75	20.3	1	51	30.9
	France	5526	1	54	19.2	1	25	17.0
	Italy	2380	1	56	12.8	1	45	19.4
	Japan	2870	1	51	26.8	2	21	18.3
	New Zealand	7475	1	44	12.7	0	13	10.5
	Norway	23653	1	56	16.4	0	41	25.1
	Poland	7126	1	29	9.3	0	23	14.7
	Spain	2395	1	48	16.6	0	23	17.2
	Sweden	6073	1	58	14.4	0	37	20.2
	Scotland	3094	1	55	14.4	0	40	23.4
	USA	874	1	58	33.6	0	31	22.2
	South Africa	1317	1	41	16.5	1	44	17.5
	Total	85532	1	75	14.9	0	51	20.8
Women	Brazil	414	1	18	4.4	1	26	13.9
	Denmark	2611	1	52	7.9	1	51	23.1
	Finland	2388	1	70	18.7	2	51	34.7
	France	876	1	51	17.3	1	25	17.1
	Italy	275	1	37	12.8	1	45	28.6
	Japan	256	1	39	11.2	2	21	14.1
	New Zealand	981	1	38	7.6	0	13	9.1
	Norway	4230	1	53	10.2	1	41	25.5
	Poland	3470	1	29	9.2	1	23	15.7
	Spain	685	1	51	11.0	0	23	18.0
	Sweden	737	1	47	13.0	2	36	22.4
	Scotland	1148	1	49	8.6	0	40	25.9
	South Africa	170	1	34	12.0	2	34	13.4
	Total	18241	1	70	11.0	0	51	22.3

Table 1.2
Years of employment and follow-up

Sex	Country	Subjects	Years of employment			Years of follow-up		
			Min	Max	Mean	Min	Max	Mean
All	Brazil	3621	1	24	5.8	1	26	14.3
	Denmark	14063	1	63	9.1	0	51	21.2
	Finland	10478	1	75	19.9	1	51	31.8
	France	6402	1	54	18.9	1	25	17.0
	Italy	2655	1	56	12.8	1	45	20.4
	Japan	3126	1	51	25.5	2	21	17.9
	New Zealand	8456	1	44	12.1	0	13	10.4
	Norway	27883	1	56	15.4	0	41	25.1
	Poland	10596	1	29	9.3	0	23	15.0
	Spain	3080	1	51	15.3	0	23	17.4
	Sweden	6810	1	58	14.2	0	37	20.4
	Scotland	4242	1	55	12.8	0	40	24.1
	USA	874	1	58	33.6	0	31	22.2
	South Africa	1487	1	41	15.9	1	44	17.0
	Total	103773	1	75	14.2	0	51	21.1

Table 1.3
Average dates of birth, employment and follow-up

Sex	Country	Factory	Subjects	Year of birth			Year of follow-up			Year of first employment			Year of last employment			Year of exit		
				Min	Max	Mean	Min	Max	Mean	Min	Max	Mean	Min	Max	Mean	Min	Max	Mean
Men	Brazil	01	3207	1910	1976	1951	1969	1990	1979	1969	1990	1979	1971	1994	1985	1972	1994	1993
	Denmark	01	2039	1896	1974	1936	1965	1990	1970	1919	1990	1966	1965	1993	1978	1966	1993	1991
		02	2303	1876	1971	1932	1943	1990	1965	1899	1990	1963	1945	1992	1974	1945	1993	1989
		03	1117	1876	1976	1936	1943	1990	1964	1896	1990	1961	1946	1993	1975	1946	1993	1989
		04	369	1898	1971	1941	1965	1989	1974	1958	1989	1974	1965	1990	1983	1965	1993	1991
		05	214	1903	1970	1939	1970	1989	1976	1945	1989	1974	1970	1990	1983	1970	1993	1991
		06	1788	1902	1972	1944	1969	1989	1977	1964	1989	1976	1969	1990	1983	1969	1993	1992
		07	174	1908	1970	1945	1968	1989	1978	1968	1989	1978	1970	1990	1984	1970	1993	1992
		08	537	1898	1970	1940	1953	1989	1972	1953	1989	1972	1955	1990	1978	1959	1993	1991
		09	272	1906	1972	1936	1943	1989	1971	1936	1989	1971	1956	1990	1978	1968	1993	1991
		10	201	1901	1976	1934	1965	1989	1971	1963	1989	1970	1965	1990	1976	1969	1993	1990
		11 (*)	2260	1898	1970	1935	1964	1989	1969	1964	1989	1969	1965	1990	1975	1965	1993	1990
	Mixed	178	1909	1968	1942	1943	1989	1968	1937	1989	1968	1961	1992	1978	1972	1993	1991	
	Finland	01	8090	1878	1975	1932	1945	1994	1959	1900	1994	1957	1944	1995	1977	1946	1995	1989
	France	01	974	1902	1972	1940	1968	1991	1974	1917	1991	1966	1968	1992	1986	1968	1992	1990
		02	564	1921	1972	1952	1985	1991	1987	1943	1991	1979	1987	1992	1992	1987	1992	1992
		04	1598	1900	1973	1944	1968	1991	1974	1924	1991	1970	1968	1992	1988	1969	1992	1991
		05	2390	1901	1972	1937	1968	1991	1971	1926	1991	1963	1968	1992	1983	1969	1992	1990
	Italy	01	414	1883	1963	1930	1960	1981	1964	1910	1981	1958	1962	1987	1978	1962	1996	1991
		02	15	1932	1973	1953	1973	1995	1984	1973	1995	1984	1977	1997	1990	1987	1997	1996
		03	197	1919	1969	1949	1967	1986	1979	1967	1986	1979	1969	1997	1990	1971	1997	1996
		04	171	1911	1973	1947	1972	1996	1978	1972	1996	1978	1975	1997	1991	1981	1997	1996
		06	88	1921	1976	1948	1979	1996	1984	1979	1996	1984	1980	1997	1992	1988	1997	1997
		07	48	1904	1966	1936	1957	1990	1964	1957	1990	1964	1958	1997	1975	1973	1997	1993
		08	49	1919	1975	1946	1966	1995	1976	1966	1995	1976	1968	1997	1985	1978	1997	1996
		09	17	1925	1972	1943	1971	1995	1976	1971	1995	1976	1974	1997	1988	1979	1997	1995
		10	90	1921	1971	1951	1970	1994	1982	1970	1994	1982	1979	1997	1992	1979	1997	1997
		11	40	1901	1963	1934	1956	1989	1964	1956	1989	1964	1958	1991	1976	1974	1997	1995
		12	29	1922	1971	1951	1973	1992	1982	1973	1992	1982	1976	1997	1990	1987	1997	1996
		13	28	1916	1964	1938	1963	1995	1972	1963	1995	1972	1966	1997	1980	1981	1997	1996
		14	210	1911	1977	1945	1963	1995	1977	1963	1995	1977	1964	1997	1985	1968	1997	1994
		15	61	1926	1974	1951	1976	1995	1985	1976	1995	1985	1978	1997	1993	1984	1997	1996
		16	18	1910	1955	1938	1960	1973	1965	1960	1973	1965	1963	1974	1970	1964	1997	1991
		17	13	1914	1959	1933	1959	1975	1967	1959	1975	1967	1968	1976	1974	1988	1997	1996
		18	46	1898	1971	1950	1952	1995	1976	1952	1995	1976	1956	1997	1985	1966	1997	1996
		19	38	1922	1971	1949	1952	1995	1981	1952	1995	1981	1980	1997	1993	1997	1997	1997
		20	372	1912	1973	1947	1969	1995	1977	1969	1995	1977	1970	1997	1990	1972	1997	1996
		21	305	1915	1974	1954	1969	1996	1984	1969	1996	1984	1972	1997	1995	1976	1997	1997
		Mixed	131	1910	1972	1944	1969	1993	1974	1957	1993	1973	1968	1997	1990	1969	1997	1996

(*) workers identified only in the pension

Table 1.3
Average dates of birth, employment and follow-up

Sex	Country	Factory	Subjects	Year of birth			Year of follow-up			Year of first employment			Year of last employment			Year of exit		
				Min	Max	Mean	Min	Max	Mean	Min	Max	Mean	Min	Max	Mean	Min	Max	Mean
Men	Japan	01	1058	1921	1973	1947	1976	1992	1977	1946	1992	1967	1976	1996	1996	1982	1996	1996
		02	1115	1921	1975	1945	1976	1993	1978	1939	1993	1966	1976	1996	1992	1977	1996	1996
		03	697	1931	1977	1952	1976	1995	1980	1954	1995	1975	1987	1996	1996	1990	1996	1996
	New Zealand	01	2961	1911	1973	1948	1980	1991	1981	1953	1991	1974	1980	1992	1988	1980	1992	1991
		02	481	1914	1973	1948	1980	1991	1981	1956	1991	1977	1980	1992	1989	1980	1992	1991
		03	4033	1914	1973	1948	1980	1991	1981	1940	1991	1976	1980	1992	1987	1980	1992	1991
	Norway	01	3460	1886	1972	1933	1953	1992	1964	1920	1992	1962	1941	1993	1979	1956	1993	1990
		02	6829	1872	1974	1928	1953	1992	1961	1920	1992	1956	1940	1993	1975	1953	1993	1988
		03	2574	1866	1974	1936	1953	1992	1965	1920	1992	1962	1922	1993	1976	1954	1993	1989
		04	3043	1875	1974	1933	1953	1992	1965	1920	1992	1961	1945	1993	1977	1953	1993	1989
		05	619	1876	1974	1932	1953	1992	1966	1920	1992	1961	1942	1993	1977	1955	1993	1989
		06	263	1910	1971	1947	1953	1992	1979	1946	1992	1979	1979	1993	1990	1984	1993	1993
		07	1303	1879	1974	1937	1953	1992	1969	1920	1992	1964	1939	1993	1981	1953	1993	1989
		08	1324	1906	1972	1946	1961	1992	1974	1961	1992	1974	1965	1993	1986	1967	1993	1992
		09	973	1889	1971	1928	1953	1991	1962	1920	1991	1960	1950	1993	1973	1957	1993	1988
		10	1722	1869	1974	1929	1953	1991	1964	1920	1991	1959	1933	1993	1976	1953	1993	1988
		11	1543	1894	1972	1939	1953	1992	1969	1920	1992	1966	1950	1993	1980	1963	1993	1991
	Poland	01	7126	1900	1971	1949	1968	1989	1976	1961	1989	1975	1964	1990	1984	1968	1990	1990
	Spain	01	1020	1900	1973	1944	1970	1991	1974	1935	1991	1970	1964	1992	1987	1971	1992	1991
		02	445	1902	1972	1944	1970	1991	1974	1935	1991	1973	1969	1992	1987	1970	1992	1991
		03	423	1907	1966	1943	1970	1991	1973	1957	1991	1970	1970	1992	1988	1970	1992	1991
		04	507	1907	1973	1944	1970	1991	1975	1925	1991	1971	1971	1992	1986	1971	1992	1991
	Sweden	01	1831	1881	1970	1939	1955	1989	1968	1903	1989	1964	1954	1991	1978	1956	1991	1988
		02	3057	1881	1973	1935	1956	1989	1967	1910	1989	1964	1949	1991	1979	1957	1991	1988
		03	1171	1892	1971	1941	1960	1989	1974	1913	1989	1971	1960	1991	1984	1960	1991	1990
	Mixed	14	1923	1955	1939	1955	1974	1963	1945	1974	1962	1965	1991	1979	1969	1991	1989	
	Scotland	01	3094	1881	1974	1936	1955	1991	1967	1903	1991	1963	1955	1992	1977	1955	1994	1990
	USA	01	874	1887	1942	1912	1961	1975	1961	1901	1975	1933	1907	1985	1966	1961	1991	1983
	South Africa	01	1317	1912	1970	1947	1950	1989	1975	1949	1989	1975	1982	1993	1991	1983	1993	1992

Table 1.3
Average dates of birth, employment and follow-up

Sex	Country	Factory	Subjects	Year of birth			Year of follow-up			Year of first employment			Year of last employment			Year of exit			
				Min	Max	Mean	Min	Max	Mean	Min	Max	Mean	Min	Max	Mean	Min	Max	Mean	
Women	Brazil	01	414	1923	1973	1952	1969	1990	1979	1969	1990	1979	1972	1994	1983	1972	1994	1993	
		Denmark	01	496	1901	1969	1940	1965	1990	1972	1933	1990	1970	1965	1992	1978	1968	1993	1992
			02	631	1884	1969	1934	1943	1990	1960	1905	1990	1959	1946	1993	1967	1948	1993	1990
			03	453	1876	1973	1931	1943	1990	1959	1900	1990	1957	1933	1993	1969	1946	1993	1989
			04	42	1907	1972	1951	1965	1989	1979	1964	1989	1979	1966	1990	1985	1986	1993	1993
			05	20	1916	1970	1953	1970	1987	1977	1964	1987	1975	1970	1990	1984	1980	1993	1992
			06	423	1907	1971	1948	1969	1989	1980	1964	1989	1979	1969	1990	1985	1970	1993	1992
			07	17	1934	1969	1952	1968	1989	1982	1968	1989	1982	1977	1990	1986	1993	1993	1993
			08	50	1915	1968	1951	1961	1989	1977	1961	1989	1977	1966	1990	1981	1966	1993	1991
			09	4	1925	1966	1946	1965	1989	1975	1965	1989	1975	1970	1990	1981	1993	1993	1993
			10	18	1921	1969	1942	1965	1989	1972	1964	1989	1972	1965	1990	1976	1993	1993	1993
		11 (*)	449	1899	1971	1942	1964	1989	1972	1964	1989	1972	1965	1990	1978	1965	1993	1992	
	Mixed	8	1913	1952	1937	1943	1982	1965	1938	1982	1965	1961	1990	1974	1985	1993	1992		
	Finland	01	2388	1880	1971	1926	1945	1994	1956	1905	1994	1954	1945	1995	1972	1946	1995	1990	
	France	01	403	1903	1971	1942	1968	1991	1975	1918	1991	1967	1968	1992	1985	1972	1992	1992	
		02	37	1931	1970	1956	1985	1991	1988	1955	1991	1983	1989	1992	1992	1992	1992	1992	
		04	216	1908	1969	1940	1968	1991	1972	1932	1991	1965	1968	1992	1988	1968	1992	1991	
		05	220	1906	1971	1944	1968	1991	1977	1929	1991	1973	1969	1992	1985	1973	1992	1992	
	Italy	01	159	1902	1948	1922	1960	1977	1960	1945	1977	1955	1962	1987	1970	1963	1996	1992	
		03	24	1920	1964	1943	1967	1985	1974	1967	1985	1974	1970	1997	1987	1988	1997	1997	
		04	6	1930	1973	1953	1978	1994	1984	1978	1994	1984	1983	1997	1989	1997	1997	1997	
		06	1	1949	1949	1949	1979	1979	1979	1979	1979	1979	1993	1993	1993	1997	1997	1997	
		07	16	1909	1949	1935	1957	1987	1960	1957	1987	1960	1958	1997	1964	1988	1997	1996	
		08	1	1944	1944	1944	1967	1967	1967	1967	1967	1967	1997	1997	1997	1997	1997	1997	
		09	1	1966	1966	1966	1995	1995	1995	1995	1995	1995	1997	1997	1997	1997	1997	1997	
		10	5	1927	1964	1950	1980	1987	1983	1980	1987	1983	1983	1997	1989	1997	1997	1997	
		11	7	1934	1945	1942	1958	1960	1959	1958	1960	1959	1960	1963	1962	1960	1997	1992	
		12	1	1940	1940	1940	1976	1976	1976	1976	1976	1976	1987	1987	1987	1997	1997	1997	
		13	1	1913	1913	1913	1963	1963	1963	1963	1963	1963	1964	1964	1964	1964	1964	1964	
		14	3	1920	1940	1930	1963	1988	1974	1963	1988	1974	1965	1992	1981	1995	1997	1996	
		15	2	1961	1965	1963	1980	1988	1984	1980	1988	1984	1992	1997	1995	1997	1997	1997	
		16	7	1917	1945	1931	1960	1972	1964	1960	1972	1964	1963	1974	1972	1963	1997	1989	
		17	11	1925	1952	1941	1962	1975	1968	1962	1975	1968	1967	1976	1974	1997	1997	1997	
		18	2	1924	1942	1933	1952	1960	1956	1952	1960	1956	1960	1966	1963	1997	1997	1997	
		19	1	1940	1940	1940	1955	1955	1955	1955	1955	1955	1991	1991	1991	1997	1997	1997	
		20	20	1904	1966	1953	1970	1990	1981	1970	1990	1981	1973	1997	1990	1997	1997	1997	
		21	2	1957	1962	1960	1977	1982	1980	1977	1982	1980	1991	1997	1994	1997	1997	1997	
		Mixed	5	1922	1939	1926	1969	1972	1970	1965	1972	1968	1977	1996	1983	1997	1997	1997	

(*) workers identified only in the pension

Table 1.3
Average dates of birth, employment and follow-up

Sex	Country	Factory	Subjects	Year of birth			Year of follow-up			Year of first employment			Year of last employment			Year of exit		
				Min	Max	Mean	Min	Max	Mean	Min	Max	Mean	Min	Max	Mean	Min	Max	Mean
Women	Japan	01	143	1935	1972	1954	1976	1992	1982	1960	1992	1981	1984	1996	1992	1993	1996	1996
		02	53	1925	1974	1955	1976	1993	1981	1942	1993	1975	1978	1996	1989	1987	1996	1996
		03	60	1929	1975	1959	1976	1994	1986	1959	1994	1985	1987	1996	1993	1994	1996	1996
	New Zealand	01	410	1921	1973	1953	1980	1990	1983	1956	1990	1980	1980	1992	1988	1980	1992	1991
		02	82	1925	1967	1948	1980	1990	1981	1959	1990	1978	1980	1992	1987	1980	1992	1990
		03	489	1917	1973	1955	1980	1991	1982	1954	1991	1980	1980	1992	1987	1980	1992	1991
	Norway	01	471	1899	1969	1936	1953	1988	1963	1920	1988	1961	1942	1993	1972	1957	1993	1992
		02	1378	1886	1973	1936	1953	1992	1964	1920	1992	1961	1937	1993	1972	1955	1993	1991
		03	708	1876	1971	1937	1953	1992	1965	1920	1992	1962	1921	1993	1971	1961	1993	1991
		04	398	1890	1970	1937	1953	1992	1966	1920	1992	1964	1949	1993	1975	1953	1993	1991
		05	145	1896	1971	1938	1953	1992	1972	1947	1992	1972	1956	1993	1982	1971	1993	1992
		06	47	1919	1973	1948	1968	1992	1982	1968	1992	1982	1984	1993	1991	1993	1993	1993
		07	219	1892	1973	1939	1953	1992	1974	1935	1992	1973	1955	1993	1982	1962	1993	1992
		08	114	1917	1969	1952	1962	1990	1976	1962	1990	1976	1964	1993	1982	1988	1993	1993
		09	105	1907	1972	1942	1953	1991	1967	1927	1991	1967	1956	1993	1977	1974	1993	1993
		10	224	1886	1972	1941	1953	1991	1972	1920	1991	1969	1935	1993	1980	1955	1993	1991
		11	421	1898	1972	1942	1953	1992	1971	1922	1992	1971	1955	1993	1979	1966	1993	1992
	Poland	01	3470	1906	1971	1951	1968	1989	1975	1961	1989	1975	1967	1990	1984	1973	1990	1990
	Spain	01	385	1905	1970	1952	1970	1989	1973	1935	1989	1972	1970	1992	1981	1970	1992	1990
		02	146	1908	1969	1945	1970	1990	1974	1923	1990	1973	1968	1992	1984	1971	1992	1991
		03	43	1926	1962	1952	1970	1978	1973	1961	1978	1973	1971	1992	1985	1975	1992	1991
		04	111	1913	1970	1947	1970	1989	1973	1928	1989	1969	1971	1992	1986	1974	1992	1992
	Sweden	02	737	1894	1969	1936	1956	1989	1968	1931	1989	1967	1955	1991	1980	1959	1991	1990
	Scotland	01	1148	1892	1971	1939	1955	1991	1965	1912	1991	1964	1955	1992	1972	1955	1994	1990
	South Africa	01	170	1918	1970	1949	1959	1989	1980	1959	1989	1980	1984	1993	1991	1984	1993	1993

Table 1.3
Average dates of birth, employment and follow-up

Sex	Country	Factory	Subjects	Year of birth			Year of follow-up			Year of first employment			Year of last employment			Year of exit		
				Min	Max	Mean	Min	Max	Mean	Min	Max	Mean	Min	Max	Mean	Min	Max	Mean
All	Brazil	01	3621	1910	1976	1951	1969	1990	1979	1969	1990	1979	1971	1994	1985	1972	1994	1993
	Denmark	01	2535	1896	1974	1937	1965	1990	1971	1919	1990	1967	1965	1993	1978	1966	1993	1991
		02	2934	1876	1971	1932	1943	1990	1964	1899	1990	1962	1945	1993	1972	1945	1993	1989
		03	1570	1876	1976	1935	1943	1990	1963	1896	1990	1960	1933	1993	1973	1946	1993	1989
		04	411	1898	1972	1942	1965	1989	1974	1958	1989	1974	1965	1990	1983	1965	1993	1992
		05	234	1903	1970	1940	1970	1989	1976	1945	1989	1974	1970	1990	1983	1970	1993	1991
		06	2211	1902	1972	1945	1969	1989	1977	1964	1989	1977	1969	1990	1984	1969	1993	1992
		07	191	1908	1970	1946	1968	1989	1978	1968	1989	1978	1970	1990	1984	1970	1993	1992
		08	587	1898	1970	1941	1953	1989	1973	1953	1989	1973	1955	1990	1979	1959	1993	1991
		09	276	1906	1972	1936	1943	1989	1971	1936	1989	1971	1956	1990	1978	1968	1993	1991
		10	219	1901	1976	1935	1965	1989	1971	1963	1989	1971	1965	1990	1976	1969	1993	1990
		11 (*)	2709	1898	1971	1936	1964	1989	1970	1964	1989	1970	1965	1990	1975	1965	1993	1990
	Mixed	186	1909	1968	1942	1943	1989	1968	1937	1989	1968	1961	1992	1978	1972	1993	1991	
	Finland	01	10478	1878	1975	1931	1945	1994	1958	1900	1994	1956	1944	1995	1976	1946	1995	1990
	France	01	1377	1902	1972	1940	1968	1991	1974	1917	1991	1966	1968	1992	1986	1968	1992	1991
		02	601	1921	1972	1952	1985	1991	1987	1943	1991	1979	1987	1992	1992	1987	1992	1992
		04	1814	1900	1973	1943	1968	1991	1974	1924	1991	1969	1968	1992	1988	1968	1992	1991
		05	2610	1901	1972	1938	1968	1991	1972	1926	1991	1964	1968	1992	1984	1969	1992	1990
	Italy	01	573	1883	1963	1927	1960	1981	1963	1910	1981	1957	1962	1987	1976	1962	1996	1991
		02	15	1932	1973	1953	1973	1995	1984	1973	1995	1984	1977	1997	1990	1987	1997	1996
		03	221	1919	1969	1948	1967	1986	1978	1967	1986	1978	1969	1997	1989	1971	1997	1996
		04	177	1911	1973	1947	1972	1996	1978	1972	1996	1978	1975	1997	1991	1981	1997	1996
		06	89	1921	1976	1948	1979	1996	1983	1979	1996	1983	1980	1997	1992	1988	1997	1997
		07	64	1904	1966	1936	1957	1990	1963	1957	1990	1963	1958	1997	1972	1973	1997	1994
		08	50	1919	1975	1946	1966	1995	1976	1966	1995	1976	1968	1997	1986	1978	1997	1996
		09	18	1925	1972	1944	1971	1995	1977	1971	1995	1977	1974	1997	1988	1979	1997	1995
		10	95	1921	1971	1951	1970	1994	1982	1970	1994	1982	1979	1997	1992	1979	1997	1997
		11	47	1901	1963	1936	1956	1989	1963	1956	1989	1963	1958	1991	1974	1960	1997	1994
		12	30	1922	1971	1951	1973	1992	1982	1973	1992	1982	1976	1997	1989	1987	1997	1996
		13	29	1913	1964	1937	1963	1995	1972	1963	1995	1972	1964	1997	1979	1964	1997	1995
		14	213	1911	1977	1944	1963	1995	1977	1963	1995	1977	1964	1997	1985	1968	1997	1994
		15	63	1926	1974	1951	1976	1995	1985	1976	1995	1985	1978	1997	1993	1984	1997	1996
		16	25	1910	1955	1936	1960	1973	1965	1960	1973	1965	1963	1974	1970	1963	1997	1990
		17	24	1914	1959	1937	1959	1975	1967	1959	1975	1967	1967	1976	1974	1988	1997	1996
		18	48	1898	1971	1949	1952	1995	1975	1952	1995	1975	1956	1997	1984	1966	1997	1996
		19	39	1922	1971	1949	1952	1995	1980	1952	1995	1980	1980	1997	1993	1997	1997	1997
		20	392	1904	1973	1948	1969	1995	1978	1969	1995	1978	1970	1997	1990	1972	1997	1996
		21	307	1915	1974	1954	1969	1996	1984	1969	1996	1984	1972	1997	1995	1976	1997	1997
		Mixed	136	1910	1972	1944	1969	1993	1974	1957	1993	1972	1968	1997	1989	1969	1997	1996

(*) workers identified only in the pension

Table 1.3
Average dates of birth, employment and follow-up

Sex	Country	Factory	Subjects	Year of birth			Year of follow-up			Year of first employment			Year of last employment			Year of exit		
				Min	Max	Mean	Min	Max	Mean	Min	Max	Mean	Min	Max	Mean	Min	Max	Mean
All	Japan	01	1201	1921	1973	1947	1976	1992	1977	1946	1992	1968	1976	1996	1995	1982	1996	1996
		02	1168	1921	1975	1945	1976	1993	1979	1939	1993	1966	1976	1996	1992	1977	1996	1996
		03	757	1929	1977	1953	1976	1995	1981	1954	1995	1976	1987	1996	1996	1990	1996	1996
	New Zealand	01	3371	1911	1973	1949	1980	1991	1981	1953	1991	1975	1980	1992	1988	1980	1992	1991
		02	563	1914	1973	1948	1980	1991	1981	1956	1991	1977	1980	1992	1989	1980	1992	1991
		03	4522	1914	1973	1949	1980	1991	1981	1940	1991	1976	1980	1992	1987	1980	1992	1991
	Norway	01	3931	1886	1972	1933	1953	1992	1964	1920	1992	1962	1941	1993	1978	1956	1993	1990
		02	8207	1872	1974	1929	1953	1992	1961	1920	1992	1957	1937	1993	1974	1953	1993	1989
		03	3282	1866	1974	1936	1953	1992	1965	1920	1992	1962	1921	1993	1975	1954	1993	1990
		04	3441	1875	1974	1934	1953	1992	1965	1920	1992	1962	1945	1993	1977	1953	1993	1989
		05	764	1876	1974	1933	1953	1992	1967	1920	1992	1963	1942	1993	1978	1955	1993	1989
		06	310	1910	1973	1947	1953	1992	1980	1946	1992	1980	1979	1993	1990	1984	1993	1993
		07	1522	1879	1974	1937	1953	1992	1969	1920	1992	1965	1939	1993	1981	1953	1993	1990
		08	1438	1906	1972	1947	1961	1992	1975	1961	1992	1975	1964	1993	1986	1967	1993	1992
		09	1078	1889	1972	1930	1953	1991	1963	1920	1991	1961	1950	1993	1973	1957	1993	1988
		10	1946	1869	1974	1931	1953	1991	1965	1920	1991	1960	1933	1993	1976	1953	1993	1988
		11	1964	1894	1972	1939	1953	1992	1969	1920	1992	1967	1950	1993	1980	1963	1993	1991
	Poland	01	10596	1900	1971	1950	1968	1989	1975	1961	1989	1975	1964	1990	1984	1968	1990	1990
	Spain	01	1405	1900	1973	1946	1970	1991	1974	1935	1991	1971	1964	1992	1985	1970	1992	1991
		02	591	1902	1972	1944	1970	1991	1974	1923	1991	1973	1968	1992	1987	1970	1992	1991
		03	466	1907	1966	1944	1970	1991	1973	1957	1991	1971	1970	1992	1988	1970	1992	1991
		04	618	1907	1973	1945	1970	1991	1975	1925	1991	1971	1971	1992	1986	1971	1992	1991
	Sweden	01	1831	1881	1970	1939	1955	1989	1968	1903	1989	1964	1954	1991	1978	1956	1991	1988
		02	3794	1881	1973	1935	1956	1989	1967	1910	1989	1964	1949	1991	1979	1957	1991	1989
		03	1171	1892	1971	1941	1960	1989	1974	1913	1989	1971	1960	1991	1984	1960	1991	1990
		Mixed	14	1923	1955	1939	1955	1974	1963	1945	1974	1962	1965	1991	1979	1969	1991	1989
	Scotland	01	4242	1881	1974	1937	1955	1991	1966	1903	1991	1963	1955	1992	1976	1955	1994	1990
	USA	01	874	1887	1942	1912	1961	1975	1961	1901	1975	1933	1907	1985	1966	1961	1991	1983
	South Africa	01	1487	1912	1970	1947	1950	1989	1976	1949	1989	1976	1982	1993	1991	1983	1993	1992

Table 1.4
Number of subjects and person-years, total, by country, sex and vital status

Sex	Country	Alive		Dead		Lost		Emigrated		Total		
		Subjects	%	Subjects	%	Subjects	%	Subjects	%	Subjects	P-years	
Men	Brazil	2884	90	90	3	233	7	0	0	3207	46102	
	Denmark	8638	75	2651	23	8	0	155	1	11452	237330	
	Finland	5498	68	2521	31	0	0	71	1	8090	249835	
	France	4735	86	715	13	75	1	1	0	5526	94141	
	Italy	2015	85	294	12	71	3	0	0	2380	46187	
	Japan	2755	96	96	3	19	1	0	0	2870	52451	
	New Zealand	5726	77	301	4	1343	18	105	1	7475	78634	
	Norway	16496	70	6873	29	0	0	284	1	23653	592985	
	Poland	6799	95	327	5	0	0	0	0	7126	104899	
	Spain	2159	90	161	7	75	3	0	0	2395	41238	
	Sweden	4839	80	1058	17	13	0	163	3	6073	122464	
	Scotland	2167	70	812	26	81	3	34	1	3094	72292	
	USA	325	37	505	58	44	5	0	0	874	19376	
	South Africa	1133	86	108	8	76	6	0	0	1317	23031	
		Total	66169	77	16512	19	2038	2	813	1	85532	1780964
	Total excluding Brazil, South Africa	62152	77	16314	20	1729	2	813	1	81008	1711831	
Women	Brazil	370	89	5	1	39	9	0	0	414	5766	
	Denmark	2213	85	371	14	0	0	27	1	2611	60275	
	Finland	1646	69	714	30	0	0	28	1	2388	82864	
	France	824	94	34	4	18	2	0	0	876	14995	
	Italy	207	75	55	20	13	5	0	0	275	7861	
	Japan	251	98	4	2	1	0	0	0	256	3598	
	New Zealand	739	75	13	1	219	22	10	1	981	8915	
	Norway	3633	86	532	13	0	0	65	2	4230	107669	
	Poland	3425	99	45	1	0	0	0	0	3470	54342	
	Spain	608	89	24	4	53	8	0	0	685	12325	
	Sweden	660	90	61	8	1	0	15	2	737	16487	
	Scotland	898	78	146	13	88	8	16	1	1148	29751	
	South Africa	160	94	6	4	4	2	0	0	170	2281	
		Total	15634	86	2010	11	436	2	161	1	18241	407128
		Total excluding Brazil, South Africa	15104	86	1999	11	393	2	161	1	17657	399082

Table 1.4
Number of subjects and person-years, total, by country, sex and vital status

Sex	Country	Alive		Dead		Lost		Emigrated		Total	
		Subjects	%	Subjects	%	Subjects	%	Subjects	%	Subjects	P-years
All	Brazil	3254	90	95	3	272	8	0	0	3621	51867
	Denmark	10851	77	3022	21	8	0	182	1	14063	297605
	Finland	7144	68	3235	31	0	0	99	1	10478	332700
	France	5559	87	749	12	93	1	1	0	6402	109136
	Italy	2222	84	349	13	84	3	0	0	2655	54048
	Japan	3006	96	100	3	20	1	0	0	3126	56048
	New Zealand	6465	76	314	4	1562	18	115	1	8456	87549
	Norway	20129	72	7405	27	0	0	349	1	27883	700654
	Poland	10224	96	372	4	0	0	0	0	10596	159241
	Spain	2767	90	185	6	128	4	0	0	3080	53564
	Sweden	5499	81	1119	16	14	0	178	3	6810	138951
	Scotland	3065	72	958	23	169	4	50	1	4242	102043
	USA	325	37	505	58	44	5	0	0	874	19376
	South Africa	1293	87	114	8	80	5	0	0	1487	25311
		Total	81803	79	18522	18	2474	2	974	1	103773	2188092
	Total excluding Brazil, South Africa	77256	78	18313	19	2122	2	974	1	98665	2110913

Table 1.5

Number of exposed subjects and person-years, total, by country, sex, vital status and department of ever employment (one digit code)

Sex	Country	Department	Alive Subjects	Dead Subjects	Lost Subjects	Emigrated Subjects	Total	
							Subjects	P-years
Men	Brazil	-1-	366	9	40	0	415	5726
		-3-	157	1	0	0	158	1502
		-5-	2488	82	197	0	2767	40694
		-6-	5	1	1	0	7	80
	Denmark	-1-	514	153	1	11	679	14725
		-2-	136	22	0	1	159	2580
		-3-	3259	1000	1	54	4314	99287
		-4-	1298	193	1	20	1512	24045
		-5-	2461	756	1	29	3247	73817
		-6-	2419	1331	7	59	3816	85181
	Finland	-1-	2195	910	0	22	3127	92951
		-3-	1713	437	0	29	2179	64097
		-4-	520	52	0	1	573	14727
		-5-	3848	1600	0	35	5483	171226
		-6-	52	18	0	0	70	2552
	France	-1-	832	168	19	0	1019	17879
		-2-	7	2	0	0	9	132
		-3-	2568	389	41	0	2998	55278
		-4-	254	24	1	0	279	4103
		-5-	2692	407	41	1	3141	54387
		-6-	76	43	1	0	120	2244
	Italy	-5-	150	9	4	0	163	2588
		-6-	1877	285	67	0	2229	43888
	Japan	-1-	584	29	1	0	614	11512
		-2-	148	4	2	0	154	2978
		-3-	1004	26	10	0	1040	19543
		-5-	1435	53	12	0	1500	26939
		-6-	14	0	0	0	14	291
	New Zealand	-1-	1493	54	276	13	1836	20779
		-2-	86	1	4	0	91	945
		-3-	1156	27	122	6	1311	14459
		-4-	6	5	28	2	41	366
		-5-	4040	267	1099	94	5500	56950
		-6-	695	11	85	7	798	8646
	Norway	-1-	4964	2417	0	92	7473	184862
		-2-	64	20	0	0	84	2341
		-3-	5191	1680	0	86	6957	171272
		-4-	236	20	0	1	257	4975
		-5-	9462	3762	0	144	13368	351386
	Poland	-1-	1407	83	0	0	1490	24229
		-2-	274	11	0	0	285	4153
		-3-	1171	35	0	0	1206	18411
		-4-	476	17	0	0	493	7403
		-5-	5169	260	0	0	5429	81159
	Spain	-1-	333	28	9	0	370	6356
		-2-	3	3	1	0	7	97
		-3-	1113	99	41	0	1253	21527
		-4-	22	1	1	0	24	377
		-5-	674	29	23	0	726	12624
		-6-	14	1	0	0	15	259
	Sweden	-1-	1156	297	4	33	1490	29508
		-3-	1332	221	7	70	1630	31376
		-4-	146	23	1	12	182	3736
		-5-	2314	487	1	37	2839	61733
		-6-	680	162	0	20	862	17451
	Scotland	-1-	11	12	0	0	23	718
		-2-	12	31	2	0	45	1206
		-3-	1582	568	59	18	2227	52413
		-5-	733	275	24	18	1050	24790
		-6-	2	11	1	0	14	402
		USA		-1-	211	313	19	0	543	11960
	-3-		140	151	16	0	307	7241
	-4-		30	26	4	0	60	1481
	-5-		219	338	27	0	584	12999
	-6-		58	76	2	0	136	3041
	South Africa	-1-	409	41	32	0	482	8800
		-5-	865	75	51	0	991	16773
		-6-	35	2	7	0	44	523

Note : workers employed in more than one department contribute PYs to each of them.

Table 1.5
Number of exposed subjects and person-years, total, by country, sex, vital status and department of ever employment (one digit code)

Sex	Country	Department	Alive	Dead	Lost	Emigrated	Total	
			Subjects	Subjects	Subjects	Subjects	Subjects	P-years
Men	All	-1-	14475	4514	401	171	19561	430005
		-2-	730	94	9	1	834	14432
		-3-	20386	4634	297	263	25580	556406
		-4-	2988	361	36	36	3421	61213
		-5-	36550	8400	1480	358	46788	988065
		-6-	5927	1941	171	86	8125	164558
	All excluding Brazil, South Africa	-1-	13700	4464	329	171	18664	415478
		-2-	730	94	9	1	834	14431
		-3-	20229	4633	297	263	25422	554904
		-4-	2988	361	36	36	3421	61214
		-5-	33197	8243	1232	358	43030	930600
		-6-	5887	1938	163	86	8074	163954

Note : workers employed in more than one department contribute PYs to each of them.

Table 1.5
Number of exposed subjects and person-years, total, by country, sex, vital status and department of
ever employment (one digit code)

Sex	Country	Department	Alive	Dead	Lost	Emigrated	Total	
			Subjects	Subjects	Subjects	Subjects	Subjects	P-years
Women	Brazil	-1-	7	0	0	0	7	100
		-3-	25	0	0	0	25	224
		-5-	343	5	39	0	387	5516
		-6-	1	0	0	0	1	13
	Denmark	-1-	1	0	0	0	1	33
		-2-	2	0	0	0	2	41
		-3-	1145	265	0	9	1419	40009
		-4-	327	13	0	6	346	4512
		-5-	300	33	0	3	336	6162
		-6-	580	139	0	10	729	16201
	Finland	-1-	554	219	0	6	779	27695
		-3-	584	173	0	12	769	26165
		-4-	135	14	0	0	149	4216
		-5-	1018	248	0	4	1270	41320
		-6-	10	3	0	0	13	461
	France	-1-	5	3	0	0	8	177
		-3-	97	6	6	0	109	2471
		-4-	196	16	0	0	212	3930
		-5-	580	10	13	0	603	9660
		-6-	35	4	0	0	39	825
	Italy	-1-	100	50	9	0	159	5077
		-5-	38	0	0	0	38	623
		-6-	69	5	4	0	78	2161
	Japan	-1-	18	0	0	0	18	258
		-3-	142	1	0	0	143	2109
		-5-	93	3	1	0	97	1263
	New Zealand	-1-	51	2	13	0	66	655
		-2-	7	0	0	0	7	60
		-3-	74	0	2	0	76	679
		-4-	2	2	5	0	9	68
		-5-	634	11	203	10	858	7742
		-6-	74	1	16	0	91	784
	Norway	-1-	239	59	0	3	301	6947
		-2-	1	0	0	0	1	32
		-3-	1395	279	0	31	1705	51290
		-4-	147	12	0	1	160	3260
		-5-	2138	205	0	31	2374	54406
	Poland	-1-	531	5	0	0	536	9487
		-2-	98	2	0	0	100	1677
		-3-	689	10	0	0	699	11432
		-4-	1558	9	0	0	1567	22511
		-5-	1787	34	0	0	1821	31340
	Spain	-1-	2	1	0	0	3	49
		-3-	421	16	52	0	489	8877
		-4-	3	0	0	0	3	66
		-5-	181	7	1	0	189	3316
		-6-	1	0	0	0	1	18
	Sweden	-1-	61	4	0	0	65	1183
		-3-	135	17	0	2	154	3573
		-4-	194	26	1	10	231	6260
		-5-	411	23	0	4	438	9210
		-6-	45	2	0	0	47	1107
	Scotland	-2-	0	1	0	0	1	38
		-3-	796	135	87	14	1032	26990
		-5-	123	12	7	1	143	3229
		-6-	1	2	0	0	3	84
	South Africa	-1-	5	0	0	0	5	65
		-5-	159	6	4	0	169	2277

Note : workers employed in more than one department contribute PYs to each of them.

Table 1.5
Number of exposed subjects and person-years, total, by country, sex, vital status and department of
ever employment (one digit code)

Sex	Country	Department	Alive	Dead	Lost	Emigrated	Total	
			Subjects	Subjects	Subjects	Subjects	Subjects	P-years
Women	All	-1-	1574	343	22	9	1948	51726
		-2-	108	3	0	0	111	1848
		-3-	5503	902	147	68	6620	173819
		-4-	2562	92	6	17	2677	44823
		-5-	7805	597	268	53	8723	176064
		-6-	816	156	20	10	1002	21654
	All excluding Brazil, South Africa	-1-	1562	343	22	9	1936	51559
		-2-	108	3	0	0	111	1848
		-3-	5478	902	147	68	6595	173595
		-4-	2562	92	6	17	2677	44824
		-5-	7303	586	225	53	8167	168270
		-6-	815	156	20	10	1001	21641

Note : workers employed in more than one department contribute PYs to each of them.

Table 1.5
Number of exposed subjects and person-years, total, by country, sex, vital status and department of
ever employment (one digit code)

Sex	Country	Department	Alive	Dead	Lost	Emigrated	Total	
			Subjects	Subjects	Subjects	Subjects	Subjects	P-years
All	Brazil	-1-	373	9	40	0	422	5826
		-3-	182	1	0	0	183	1726
		-5-	2831	87	236	0	3154	46210
		-6-	6	1	1	0	8	92
	Denmark	-1-	515	153	1	11	680	14758
		-2-	138	22	0	1	161	2621
		-3-	4404	1265	1	63	5733	139296
		-4-	1625	206	1	26	1858	28557
		-5-	2761	789	1	32	3583	79979
		-6-	2999	1470	7	69	4545	101382
	Finland	-1-	2749	1129	0	28	3906	120645
		-3-	2297	610	0	41	2948	90261
		-4-	655	66	0	1	722	18943
		-5-	4866	1848	0	39	6753	212546
		-6-	62	21	0	0	83	3014
	France	-1-	837	171	19	0	1027	18056
		-2-	7	2	0	0	9	132
		-3-	2665	395	47	0	3107	57750
		-4-	450	40	1	0	491	8034
		-5-	3272	417	54	1	3744	64047
		-6-	111	47	1	0	159	3069
		-6-	111	47	1	0	159	3069
	Italy	-1-	100	50	9	0	159	5077
		-5-	188	9	4	0	201	3211
		-6-	1946	290	71	0	2307	46049
	Japan	-1-	602	29	1	0	632	11770
		-2-	148	4	2	0	154	2978
		-3-	1146	27	10	0	1183	21652
		-5-	1528	56	13	0	1597	28202
		-6-	14	0	0	0	14	291
	New Zealand	-1-	1544	56	289	13	1902	21433
		-2-	93	1	4	0	98	1005
		-3-	1230	27	124	6	1387	15138
		-4-	8	7	33	2	50	435
		-5-	4674	278	1302	104	6358	64692
		-6-	769	12	101	7	889	9430
	Norway	-1-	5203	2476	0	95	7774	191808
		-2-	65	20	0	0	85	2373
		-3-	6586	1959	0	117	8662	222563
		-4-	383	32	0	2	417	8235
		-5-	11600	3967	0	175	15742	405792
	Poland	-1-	1938	88	0	0	2026	33716
		-2-	372	13	0	0	385	5829
		-3-	1860	45	0	0	1905	29843
		-4-	2034	26	0	0	2060	29914
		-5-	6956	294	0	0	7250	112499
	Spain	-1-	335	29	9	0	373	6405
		-2-	3	3	1	0	7	97
		-3-	1534	115	93	0	1742	30403
		-4-	25	1	1	0	27	442
		-5-	855	36	24	0	915	15940
		-6-	15	1	0	0	16	276
	Sweden	-1-	1217	301	4	33	1555	30691
		-3-	1467	238	7	72	1784	34950
		-4-	340	49	2	22	413	9997
		-5-	2725	510	1	41	3277	70942
		-6-	725	164	0	20	909	18558
	Scotland	-1-	11	12	0	0	23	718
		-2-	12	32	2	0	46	1244
		-3-	2378	703	146	32	3259	79403
		-5-		856	287	31	19	1193	28019
		-6-		3	13	1	0	17	486
	USA	-1-	211	313	19	0	543	11960
		-3-	140	151	16	0	307	7241
		-4-	30	26	4	0	60	1481
		-5-	219	338	27	0	584	12999
		-6-	58	76	2	0	136	3041
	South Africa	-1-	414	41	32	0	487	8865
		-5-	1024	81	55	0	1160	19050
		-6-	35	2	7	0	44	523

Note : workers employed in more than one department contribute PYs to each of them.

Table 1.5
Number of exposed subjects and person-years, total, by country, sex, vital status and department of ever employment (one digit code)

Sex	Country	Department	Alive Subjects	Dead Subjects	Lost Subjects	Emigrated Subjects	Total	
							Subjects	P-years
All	All	-1-	16049	4857	423	180	21509	481728
		-2-	838	97	9	1	945	16279
		-3-	25889	5536	444	331	32200	730226
		-4-	5550	453	42	53	6098	106038
		-5-	44355	8997	1748	411	55511	1164128
		-6-	6743	2097	191	96	9127	186211
	All excluding Brazil, South Africa	-1-	15262	4807	351	180	20600	467037
		-2-	838	97	9	1	945	16279
		-3-	25707	5535	444	331	32017	728499
		-4-	5550	453	42	53	6098	106038
		-5-	40500	8829	1457	411	51197	1098870
		-6-	6702	2094	183	96	9075	185595

Note : workers employed in more than one department contribute PYs to each of them.

Table 1.6

Number of exposed subjects and person-years, total, by country, sex, vital status and department of ever employment (two digits code)

Sex	Country	Department	Alive Subjects	Dead Subjects	Lost Subjects	Emigrated Subjects	Total	
							Subjects	P-years
Men	Brazil	-1-	79	1	4	0	84	1143
		-6-	246	8	34	0	288	4117
		-7-	52	1	3	0	56	622
		-10-	157	1	0	0	158	1502
		-12-	2488	82	197	0	2767	40694
		-13-	5	1	1	0	7	80
	Denmark	-1-	117	38	0	0	155	3362
		-2-	15	17	0	1	33	867
		-5-	370	93	0	10	473	10462
		-6-	5	19	1	0	25	874
		-8-	81	2	0	0	83	1047
		-9-	136	22	0	1	159	2580
		-10-	3259	1000	1	54	4314	99287
		-11-	1298	193	1	20	1512	24045
		-12-	2461	756	1	29	3247	73817
		-13-	2419	1331	7	59	3816	85181
	Finland	-1-	655	181	0	1	837	25615
		-2-	789	171	0	1	961	25445
		-3-	22	12	0	0	34	1205
		-5-	132	228	0	1	361	12298
		-6-	1009	509	0	20	1538	46852
		-7-	109	26	0	0	135	4096
		-10-	1713	437	0	29	2179	64097
		-11-	520	52	0	1	573	14727
		-12-	3848	1600	0	35	5483	171226
		-13-	52	18	0	0	70	2552
	France	-1-	402	105	15	0	522	9651
		-3-	268	63	4	0	335	6415
		-4-	5	0	0	0	5	108
		-5-	112	3	1	0	116	870
		-6-	132	20	1	0	153	2941
		-8-	1	0	0	0	1	8
		-9-	7	2	0	0	9	132
		-10-	2568	389	41	0	2998	55278
		-11-	254	24	1	0	279	4103
		-12-	2692	407	41	1	3141	54387
	-13-	76	43	1	0	120	2244	
	Italy	-12-	150	9	4	0	163	2588
		-13-	1877	285	67	0	2229	43888
	Japan	-1-	149	2	0	0	151	2783
		-2-	146	13	1	0	160	3052
		-3-	197	10	1	0	208	4024
		-4-	24	1	0	0	25	433
		-5-	1	0	0	0	1	21
		-6-	69	2	0	0	71	1306
		-8-	31	3	0	0	34	630
		-9-	148	4	2	0	154	2978
		-10-	1004	26	10	0	1040	19543
		-12-	1435	53	12	0	1500	26939
	-13-	14	0	0	0	14	291	
	New Zealand	-1-	838	39	216	9	1102	12599
-2-		155	10	26	1	192	2144	
-3-		18	1	2	0	21	255	
-6-		654	14	53	4	725	8295	
-7-		110	4	8	0	122	1399	
-9-		86	1	4	0	91	945	
-10-		1156	27	122	6	1311	14459	
-11-		6	5	28	2	41	366	
-12-		4040	267	1099	94	5500	56950	
-13-		695	11	85	7	798	8646	

Note : workers employed in more than one department contribute PYs to each of them.

Table 1.6

Number of exposed subjects and person-years, total, by country, sex, vital status and department of ever employment (two digits code)

Sex	Country	Department	Alive	Dead	Lost	Emigrated	Total	
			Subjects	Subjects	Subjects	Subjects	Subjects	P-years
	Norway	-1-	1540	778	0	15	2333	57299
		-2-	936	237	0	11	1184	23970
		-3-	57	9	0	1	67	1326
		-4-	137	62	0	4	203	5672
		-5-	1393	756	0	33	2182	59880
		-6-	490	190	0	11	691	14878
		-7-	1127	589	0	24	1740	44438
		-8-	2	1	0	0	3	31
		-9-	64	20	0	0	84	2341
		-10-	5191	1680	0	86	6957	171272
		-11-	236	20	0	1	257	4975
		-12-	9462	3762	0	144	13368	351386
		Poland	-1-	498	21	0	0	519	8300
	-4-		30	0	0	0	30	438
	-6-		870	60	0	0	930	15825
	-7-		71	0	0	0	71	908
	-8-		66	9	0	0	75	1238
	-9-		274	11	0	0	285	4153
	-10-		1171	35	0	0	1206	18411
	-11-		476	17	0	0	493	7403
	-12-	5169	260	0	0	5429	81159	
	Spain	-1-	108	7	3	0	118	2082
		-6-	223	21	6	0	250	4264
		-8-	2	0	0	0	2	9
		-9-	3	3	1	0	7	97
		-10-	1113	99	41	0	1253	21527
		-11-	22	1	1	0	24	377
		-12-	674	29	23	0	726	12624
	-13-	14	1	0	0	15	259	
	Sweden	-1-	342	106	1	10	459	9123
		-5-	85	26	0	10	121	2849
		-6-	685	151	2	12	850	16603
		-7-	17	14	0	0	31	668
		-8-	81	15	1	1	98	1974
		-10-	1332	221	7	70	1630	31376
		-11-	146	23	1	12	182	3736
		-12-	2314	487	1	37	2839	61733
		-13-	680	162	0	20	862	17451
		Scotland	-6-	11	12	0	0	23	718
	-9-		12	31	2	0	45	1206
	-10-		1582	568	59	18	2227	52413
	-12-		733	275	24	18	1050	24790
	-13-		2	11	1	0	14	402
	USA	-1-	82	129	9	0	220	4884
		-5-	72	135	5	0	212	4572
		-6-	52	65	4	0	121	2955
		-7-	91	143	9	0	243	5185
		-10-	140	151	16	0	307	7241
		-11-	30	26	4	0	60	1481
		-12-	219	338	27	0	584	12999
		-13-	58	76	2	0	136	3041
	South Africa	-1-	123	14	12	0	149	2856
		-5-	6	0	1	0	7	138
		-6-	293	25	19	0	337	5913
		-7-	27	2	4	0	33	497
		-12-	865	75	51	0	991	16773
		-13-	35	2	7	0	44	523

Note : workers employed in more than one department contribute PYs to each of them.

Table 1.6
Number of exposed subjects and person-years, total, by country, sex, vital status and department of
ever employment (two digits code)

Sex	Country	Department	Alive	Dead	Lost	Emigrated	Total	
			Subjects	Subjects	Subjects	Subjects	Subjects	P-years
	All	-1-	4933	1421	260	35	6649	139697
		-2-	2041	448	27	14	2530	55478
		-3-	562	95	7	1	665	13225
		-4-	196	63	0	4	263	6651
		-5-	2171	1241	7	54	3473	91090
		-6-	4739	1096	120	47	6002	125541
		-7-	1604	779	24	24	2431	57813
		-8-	264	30	1	1	296	4937
		-9-	730	94	9	1	834	14432
		-10-	20386	4634	297	263	25580	556406
		-11-	2988	361	36	36	3421	61213
		-12-	36550	8400	1480	358	46788	988065
		-13-	5927	1941	171	86	8125	164558
	All excluding Brazil, South Africa	-1-	4731	1406	244	35	6416	135698
		-2-	2041	448	27	14	2530	55478
		-3-	562	95	7	1	665	13226
		-4-	196	63	0	4	263	6651
		-5-	2165	1241	6	54	3466	90951
		-6-	4200	1063	67	47	5377	115511
		-7-	1525	776	17	24	2342	56694
		-8-	264	30	1	1	296	4937
		-9-	730	94	9	1	834	14431
		-10-	20229	4633	297	263	25422	554904
		-11-	2988	361	36	36	3421	61214
		-12-	33197	8243	1232	358	43030	930600
		-13-	5887	1938	163	86	8074	163954

Note : workers employed in more than one department contribute PYs to each of them.

Table 1.6

Number of exposed subjects and person-years, total, by country, sex, vital status and department of ever employment (two digits code)

Sex	Country	Department	Alive Subjects	Dead Subjects	Lost Subjects	Emigrated Subjects	Total	
							Subjects	P-years
Women	Brazil	-6-	4	0	0	0	4	64
		-7-	3	0	0	0	3	37
		-10-	25	0	0	0	25	224
		-12-	343	5	39	0	387	5516
		-13-	1	0	0	0	1	13
	Denmark	-1-	1	0	0	0	1	33
		-9-	2	0	0	0	2	41
		-10-	1145	265	0	9	1419	40009
		-11-	327	13	0	6	346	4512
		-12-	300	33	0	3	336	6162
	Finland	-13-	580	139	0	10	729	16201
		-1-	163	31	0	0	194	6508
		-2-	122	58	0	0	180	6148
		-3-	6	1	0	1	8	254
		-5-	71	59	0	1	131	5092
	France	-6-	274	130	0	4	408	15123
		-7-	27	6	0	0	33	1091
		-10-	584	173	0	12	769	26165
		-11-	135	14	0	0	149	4216
		-12-	1018	248	0	4	1270	41320
	Italy	-13-	10	3	0	0	13	461
		-1-	5	3	0	0	8	177
		-10-	97	6	6	0	109	2471
		-11-	196	16	0	0	212	3930
		-12-	580	10	13	0	603	9660
	Japan	-13-	35	4	0	0	39	825
		-1-	100	50	9	0	159	5077
		-12-	38	0	0	0	38	623
	New Zealand	-13-	69	5	4	0	78	2161
		-1-	16	0	0	0	16	220
		-8-	2	0	0	0	2	38
		-10-	142	1	0	0	143	2109
	Norway	-12-	93	3	1	0	97	1263
		-1-	37	2	11	0	50	503
		-2-	2	0	1	0	3	27
		-6-	16	0	2	0	18	165
		-7-	2	0	0	0	2	25
		-9-	7	0	0	0	7	60
		-10-	74	0	2	0	76	679
		-11-	2	2	5	0	9	68
	Poland	-12-	634	11	203	10	858	7742
		-13-	74	1	16	0	91	784
		-1-	15	4	0	0	19	408
		-2-	20	1	0	0	21	296
		-3-	2	0	0	0	2	27
		-4-	14	8	0	1	23	642
		-5-	98	39	0	1	138	3759
		-6-	44	3	0	0	47	565
		-7-	55	4	0	1	60	1368
		-8-	1	0	0	0	1	17
		-9-	1	0	0	0	1	32
		-10-	1395	279	0	31	1705	51290
Spain	-11-	147	12	0	1	160	3260	
	-12-	2138	205	0	31	2374	54406	
	-1-	181	2	0	0	183	3131	
	-6-	333	3	0	0	336	6157	
	-7-	14	0	0	0	14	173	
	-8-	36	0	0	0	36	621	
	-9-	98	2	0	0	100	1677	
Denmark	-10-	689	10	0	0	699	11432	
	-11-	1558	9	0	0	1567	22511	
	-12-	1787	34	0	0	1821	31340	
	-1-	1	1	0	0	2	45	
	-6-	1	0	0	0	1	5	
France	-10-	421	16	52	0	489	8877	
	-11-	3	0	0	0	3	66	
	-12-	181	7	1	0	189	3316	
	-13-	1	0	0	0	1	18	

Note : workers employed in more than one department contribute PYs to each of them.

Table 1.6
Number of exposed subjects and person-years, total, by country, sex, vital status and department of
ever employment (two digits code)

Sex	Country	Department	Alive	Dead	Lost	Emigrated	Total	
			Subjects	Subjects	Subjects	Subjects	Subjects	P-years
	Sweden	-1-	34	1	0	0	35	540
		-2-	1	0	0	0	1	6
		-5-	8	0	0	0	8	190
		-6-	12	2	0	0	14	196
		-8-	9	2	0	0	11	315
		-10-	135	17	0	2	154	3573
		-11-	194	26	1	10	231	6260
		-12-	411	23	0	4	438	9210
	-13-	45	2	0	0	47	1107	
	Scotland	-9-	0	1	0	0	1	38
		-10-	796	135	87	14	1032	26990
		-12-	123	12	7	1	143	3229
		-13-	1	2	0	0	3	84
	South Africa	-6-	5	0	0	0	5	65
		-12-	159	6	4	0	169	2277
	All	-1-	553	94	20	0	667	16642
		-2-	145	59	1	0	205	6477
		-3-	8	1	0	1	10	281
		-4-	14	8	0	1	23	642
		-5-	177	98	0	2	277	9041
		-6-	689	138	2	4	833	22340
		-7-	101	10	0	1	112	2694
		-8-	48	2	0	0	50	991
		-9-	108	3	0	0	111	1848
		-10-	5503	902	147	68	6620	173819
		-11-	2562	92	6	17	2677	44823
		-12-	7805	597	268	53	8723	176064
		-13-	816	156	20	10	1002	21654
	All excluding Brazil, South Africa	-1-	553	94	20	0	667	16642
		-2-	145	59	1	0	205	6477
		-3-	8	1	0	1	10	281
		-4-	14	8	0	1	23	642
		-5-	177	98	0	2	277	9041
-6-		680	138	2	4	824	22211	
-7-		98	10	0	1	109	2657	
-8-		48	2	0	0	50	991	
-9-		108	3	0	0	111	1848	
-10-		5478	902	147	68	6595	173595	
-11-		2562	92	6	17	2677	44824	
-12-		7303	586	225	53	8167	168270	
-13-		815	156	20	10	1001	21641	

Note : workers employed in more than one department contribute PYs to each of them.

Table 1.6

Number of exposed subjects and person-years, total, by country, sex, vital status and department of ever employment (two digits code)

Sex	Country	Department	Alive	Dead	Lost	Emigrated	Total	
			Subjects	Subjects	Subjects	Subjects	Subjects	P-years
All	Brazil	-1-	79	1	4	0	84	1143
		-6-	250	8	34	0	292	4181
		-7-	55	1	3	0	59	659
		-10-	182	1	0	0	183	1726
		-12-	2831	87	236	0	3154	46210
		-13-	6	1	1	0	8	92
	Denmark	-1-	118	38	0	0	156	3395
		-2-	15	17	0	1	33	867
		-5-	370	93	0	10	473	10462
		-6-	5	19	1	0	25	874
		-8-	81	2	0	0	83	1047
		-9-	138	22	0	1	161	2621
		-10-	4404	1265	1	63	5733	139296
		-11-	1625	206	1	26	1858	28557
		-12-	2761	789	1	32	3583	79979
		-13-	2999	1470	7	69	4545	101382
	Finland	-1-	818	212	0	1	1031	32123
		-2-	911	229	0	1	1141	31594
		-3-	28	13	0	1	42	1460
		-5-	203	287	0	2	492	17390
		-6-	1283	639	0	24	1946	61974
		-7-	136	32	0	0	168	5187
		-10-	2297	610	0	41	2948	90261
		-11-	655	66	0	1	722	18943
		-12-	4866	1848	0	39	6753	212546
		-13-	62	21	0	0	83	3014
	France	-1-	407	108	15	0	530	9828
		-3-	268	63	4	0	335	6415
		-4-	5	0	0	0	5	108
		-5-	112	3	1	0	116	870
		-6-	132	20	1	0	153	2941
		-8-	1	0	0	0	1	8
		-9-	7	2	0	0	9	132
		-10-	2665	395	47	0	3107	57750
		-11-	450	40	1	0	491	8034
		-12-	3272	417	54	1	3744	64047
	-13-	111	47	1	0	159	3069	
	Italy	-1-	100	50	9	0	159	5077
		-12-	188	9	4	0	201	3211
		-13-	1946	290	71	0	2307	46049
	Japan	-1-	165	2	0	0	167	3003
		-2-	146	13	1	0	160	3052
		-3-	197	10	1	0	208	4024
		-4-	24	1	0	0	25	433
		-5-	1	0	0	0	1	21
		-6-	69	2	0	0	71	1306
		-8-	33	3	0	0	36	667
		-9-	148	4	2	0	154	2978
		-10-	1146	27	10	0	1183	21652
		-12-	1528	56	13	0	1597	28202
	-13-	14	0	0	0	14	291	
	New Zealand	-1-	875	41	227	9	1152	13102
		-2-	157	10	27	1	195	2171
		-3-	18	1	2	0	21	255
		-6-	670	14	55	4	743	8460
		-7-	112	4	8	0	124	1424
		-9-	93	1	4	0	98	1005
		-10-	1230	27	124	6	1387	15138
		-11-	8	7	33	2	50	435
		-12-	4674	278	1302	104	6358	64692
		-13-		769	12	101	7	889	9430

Note : workers employed in more than one department contribute PYs to each of them.

Table 1.6

Number of exposed subjects and person-years, total, by country, sex, vital status and department of ever employment (two digits code)

Sex	Country	Department	Alive	Dead	Lost	Emigrated	Total	
			Subjects	Subjects	Subjects	Subjects	Subjects	P-years
	Norway	-1-	1555	782	0	15	2352	57707
		-2-	956	238	0	11	1205	24265
		-3-	59	9	0	1	69	1353
		-4-	151	70	0	5	226	6314
		-5-	1491	795	0	34	2320	63639
		-6-	534	193	0	11	738	15443
		-7-	1182	593	0	25	1800	45807
		-8-	3	1	0	0	4	49
		-9-	65	20	0	0	85	2373
		-10-	6586	1959	0	117	8662	222563
		-11-	383	32	0	2	417	8235
		-12-	11600	3967	0	175	15742	405792
	Poland	-1-	679	23	0	0	702	11431
		-4-	30	0	0	0	30	438
		-6-	1203	63	0	0	1266	21983
		-7-	85	0	0	0	85	1081
		-8-	102	9	0	0	111	1859
		-9-	372	13	0	0	385	5829
		-10-	1860	45	0	0	1905	29843
		-12-	2034	26	0	0	2060	29914
	Spain	-1-	109	8	3	0	120	2127
		-6-	224	21	6	0	251	4269
		-8-	2	0	0	0	2	9
		-9-	3	3	1	0	7	97
		-10-	1534	115	93	0	1742	30403
		-11-	25	1	1	0	27	442
		-12-	855	36	24	0	915	15940
	Sweden	-1-	376	107	1	10	494	9663
		-2-	1	0	0	0	1	6
		-5-	93	26	0	10	129	3039
		-6-	697	153	2	12	864	16799
		-7-	17	14	0	0	31	668
		-8-	90	17	1	1	109	2289
		-10-	1467	238	7	72	1784	34950
		-11-	340	49	2	22	413	9997
		-12-	2725	510	1	41	3277	70942
		-13-	725	164	0	20	909	18558
	Scotland	-6-	11	12	0	0	23	718
		-9-	12	32	2	0	46	1244
		-10-	2378	703	146	32	3259	79403
		-12-	856	287	31	19	1193	28019
		-13-	3	13	1	0	17	486
	USA	-1-	82	129	9	0	220	4884
		-5-	72	135	5	0	212	4572
		-6-	52	65	4	0	121	2955
		-7-	91	143	9	0	243	5185
		-10-	140	151	16	0	307	7241
		-11-	30	26	4	0	60	1481
		-12-	219	338	27	0	584	12999
		-13-	58	76	2	0	136	3041
	South Africa	-1-	123	14	12	0	149	2856
		-5-	6	0	1	0	7	138
		-6-	298	25	19	0	342	5978
		-7-	27	2	4	0	33	497
		-12-	1024	81	55	0	1160	19050
		-13-	35	2	7	0	44	523

Note : workers employed in more than one department contribute PYs to each of them.

Table 1.6
Number of exposed subjects and person-years, total, by country, sex, vital status and department of
ever employment (two digits code)

Sex	Country	Department	Alive	Dead	Lost	Emigrated	Total	
			Subjects	Subjects	Subjects	Subjects	Subjects	P-years
	All	-1-	5486	1515	280	35	7316	156339
		-2-	2186	507	28	14	2735	61955
		-3-	570	96	7	2	675	13507
		-4-	210	71	0	5	286	7293
		-5-	2348	1339	7	56	3750	100131
		-6-	5428	1234	122	51	6835	147881
		-7-	1705	789	24	25	2543	60508
		-8-	312	32	1	1	346	5928
		-9-	838	97	9	1	945	16279
		-10-	25889	5536	444	331	32200	730226
		-11-	5550	453	42	53	6098	106038
		-12-	44355	8997	1748	411	55511	1164128
		-13-	6743	2097	191	96	9127	186211
	All excluding Brazil, South Africa	-1-	5284	1500	264	35	7083	152340
		-2-	2186	507	28	14	2735	61955
		-3-	570	96	7	2	675	13507
		-4-	210	71	0	5	286	7293
		-5-	2342	1339	6	56	3743	99992
		-6-	4880	1201	69	51	6201	137722
		-7-	1623	786	17	25	2451	59351
		-8-	312	32	1	1	346	5928
		-9-	838	97	9	1	945	16279
		-10-	25707	5535	444	331	32017	728499
		-11-	5550	453	42	53	6098	106038
		-12-	40500	8829	1457	411	51197	1098870
		-13-	6702	2094	183	96	9075	185595

Note : workers employed in more than one department contribute PYs to each of them.

Table 1.7

Number of exposed subjects and person-years, total, by country, sex, vital status and employment in only one department (one digit code)

Sex	Country	Department	Alive	Dead	Lost	Emigrated	Total		
			Subjects	Subjects	Subjects	Subjects	Subjects	P-years	
Men	Brazil	-1-	265	6	35	0	306	4251	
		-3-	109	1	0	0	110	905	
		-5-	2378	79	192	0	2649	39029	
		-6-	2	1	1	0	4	40	
		More than one department	130	3	5	0	138	1868	
		Denmark	-1-	390	101	0	9	500	10105
		-2-	85	14	0	1	100	1514	
		-3-	2266	457	0	40	2763	55691	
		-4-	1123	178	0	20	1321	20180	
		-5-	1450	322	0	21	1793	34315	
		-6-	1951	900	5	47	2903	60160	
		More than one department	1373	679	3	17	2072	55334	
		Finland	-1-	427	194	0	5	626	18800
			-3-	424	94	0	11	529	15220
			-4-	65	7	0	0	72	1648
			-5-	1842	809	0	14	2665	84016
			-6-	4	2	0	0	6	213
			More than one department	2431	870	0	25	3326	99999
		France	-1-	183	26	4	0	213	2527
			-2-	3	1	0	0	4	48
			-3-	1408	176	23	0	1607	27286
			-4-	134	15	0	0	149	2194
			-5-	1476	199	21	1	1697	26317
			-6-	71	43	1	0	115	2161
		More than one department	1460	255	26	0	1741	33593	
		Italy	-5-	138	9	4	0	151	2299
			-6-	1865	285	67	0	2217	43592
			More than one department	12	0	0	0	12	288
		Japan	-1-	377	22	0	0	399	7265
			-2-	94	1	0	0	95	1798
			-3-	752	15	7	0	774	14382
			-5-	1133	45	7	0	1185	20883
			-6-	2	0	0	0	2	42
			More than one department	397	13	5	0	415	8074
		New Zealand	-1-	476	15	135	5	631	7050
			-2-	8	0	0	0	8	95
			-3-	444	8	31	2	485	5444
			-4-	1	1	6	1	9	77
			-5-	2843	214	931	84	4072	40844
			-6-	88	4	16	0	108	1087
		More than one department	1611	56	222	13	1902	21178	
		Norway	-1-	2846	1698	0	65	4609	107902
	-2-		33	8	0	0	41	1051	
	-3-		3341	1237	0	67	4645	110820	
	-4-		160	14	0	0	174	3220	
	-5-		7117	2957	0	115	10189	261351	
	More than one department		2999	959	0	37	3995	108576	

Table 1.7
Number of exposed subjects and person-years, total, by country, sex, vital status and employment in only one department (one digit code)

Sex	Country	Department	Alive	Dead	Lost	Emigrated	Total	
			Subjects	Subjects	Subjects	Subjects	Subjects	P-years
Men	Poland	-1-	649	43	0	0	692	10302
		-2-	75	0	0	0	75	670
		-3-	523	13	0	0	536	7038
		-4-	163	7	0	0	170	2057
		-5-	3940	196	0	0	4136	59190
		More than one department	1449	68	0	0	1517	25623
	Spain	-1-	333	28	9	0	370	6355
		-2-	3	3	1	0	7	97
		-3-	1113	99	41	0	1253	21523
		-4-	22	1	1	0	24	376
		-5-	674	29	23	0	726	12622
		-6-	14	1	0	0	15	258
	Sweden	-1-	850	242	4	27	1123	21342
		-3-	951	163	7	64	1185	21138
		-4-	83	14	1	12	110	1987
		-5-	1772	386	1	33	2192	46942
		-6-	436	122	0	16	574	10811
		More than one department	733	125	0	10	868	19803
	Scotland	-2-	0	3	0	0	3	63
		-3-	1357	442	53	15	1867	42744
		-5-	529	181	21	15	746	16753
		More than one department	225	129	6	3	363	9733
	USA	-1-	32	80	8	0	120	2437
		-3-	11	20	5	0	36	880
		-4-	1	6	0	0	7	125
		-5-	51	100	13	0	164	3564
		-6-	5	6	0	0	11	243
		More than one department	225	293	18	0	536	12125
	South Africa	-1-	258	33	23	0	314	6125
		-5-	694	65	40	0	799	13840
		-6-	2	0	1	0	3	14
		More than one department	177	10	12	0	199	3028
All	-1-	7086	2488	218	111	9903	204461	
	-2-	301	30	1	1	333	5336	
	-3-	12699	2725	167	199	15790	323071	
	-4-	1752	243	8	33	2036	31864	
	-5-	26037	5591	1253	283	33164	661965	
	-6-	4440	1364	91	63	5958	118621	
	More than one department	13222	3460	297	105	17084	399222	
All excluding Brazil, South Africa	-1-	6563	2449	160	111	9283	194084	
	-2-	301	30	1	1	333	5335	
	-3-	12590	2724	167	199	15680	322166	
	-4-	1752	243	8	33	2036	31865	
	-5-	22965	5447	1021	283	29716	609096	
	-6-	4436	1363	89	63	5951	118567	
	More than one department	12915	3447	280	105	16747	394325	

Table 1.7

Number of exposed subjects and person-years, total, by country, sex, vital status and employment in only one department (one digit code)

Sex	Country	Department	Alive	Dead	Lost	Emigrated	Total	
			Subjects	Subjects	Subjects	Subjects	Subjects	P-years
Women	Brazil	-1-	3	0	0	0	3	40
		-3-	24	0	0	0	24	210
		-5-	337	5	39	0	381	5427
		More than one department	6	0	0	0	6	87
		Denmark	-2-	1	0	0	0	1	12
	Denmark	-3-	1033	188	0	8	1229	34035
		-4-	304	13	0	6	323	4140
		-5-	230	16	0	3	249	3823
		-6-	507	75	0	9	591	11741
		More than one department	138	79	0	1	218	6516
		Finland	-1-	129	72	0	4	205	7627
	Finland	-3-	160	69	0	10	239	8469
		-4-	15	1	0	0	16	383
		-5-	386	86	0	2	474	14382
		-6-	2	0	0	0	2	75
		More than one department	717	194	0	3	914	30771
		France	-1-	4	1	0	0	5	119
	France	-3-	37	5	5	0	47	997
		-4-	154	12	0	0	166	3029
		-5-	509	9	12	0	530	8067
		-6-	34	2	0	0	36	786
		More than one department	86	5	1	0	92	1994
		Italy	-1-	100	50	9	0	159	5077
	Italy	-5-	38	0	0	0	38	622
		-6-	69	5	4	0	78	2161
		Japan	-1-	16	0	0	0	16	226
	Japan	-3-	142	1	0	0	143	2108
		-5-	91	3	1	0	95	1231
		More than one department	2	0	0	0	2	32
		New Zealand	-1-	23	0	4	0	27	289
	New Zealand	-3-	26	0	0	0	26	262
		-4-	2	1	5	0	8	61
		-5-	562	9	185	10	766	6917
		-6-	17	0	4	0	21	196
		More than one department	98	3	20	0	121	1063
		Norway	-1-	132	50	0	2	184	4102
	Norway	-3-	1200	264	0	31	1495	45489
		-4-	133	12	0	1	146	2971
		-5-	1900	183	0	30	2113	47353
		More than one department	268	23	0	1	292	7743
		Poland	-1-	187	0	0	0	187	3038
	Poland	-2-	21	1	0	0	22	316
-3-		227	4	0	0	231	3224	
-4-		996	5	0	0	1001	12975	
-5-		992	22	0	0	1014	17172	
More than one department		1002	13	0	0	1015	17608	
Spain		-1-	2	1	0	0	3	49
Spain	-3-	421	16	52	0	489	8875	
	-4-	3	0	0	0	3	66	
	-5-	181	7	1	0	189	3315	
	-6-	1	0	0	0	1	18	

Table 1.7

Number of exposed subjects and person-years, total, by country, sex, vital status and employment in only one department (one digit code)

Sex	Country	Department	Alive	Dead	Lost	Emigrated	Total	
			Subjects	Subjects	Subjects	Subjects	Subjects	P-years
Womren	Sweden	-1-	27	2	0	0	29	447
		-3-	62	12	0	2	76	1686
		-4-	102	18	1	9	130	3512
		-5-	290	18	0	3	311	6202
		-6-	13	0	0	0	13	269
		More than one department	165	11	0	1	177	4334
	Scotland	-3-	755	128	81	14	978	25647
		-5-	83	8	1	1	93	2014
		More than one department	41	7	6	0	54	1336
	South Africa	-1-	1	0	0	0	1	7
		-5-	155	6	4	0	165	2215
		More than one department	4	0	0	0	4	58
	All	-1-	624	176	13	6	819	21021
		-2-	22	1	0	0	23	328
		-3-	4087	687	138	65	4977	131002
		-4-	1709	62	6	16	1793	27137
		-5-	5754	372	243	49	6418	118740
		-6-	643	82	8	9	742	15246
		More than one department	2527	335	27	6	2895	71542
	All excluding Brazil, South Africa	-1-	620	176	13	6	815	20974
		-2-	22	1	0	0	23	328
		-3-	4063	687	138	65	4953	130794
		-4-	1709	62	6	16	1793	27137
		-5-	5262	361	200	49	5872	111098
		-6-	643	82	8	9	742	15244
		More than one department	2517	335	27	6	2885	71396

Table 1.7

Number of exposed subjects and person-years, total, by country, sex, vital status and employment in only one department (one digit code)

Sex	Country	Department	Alive	Dead	Lost	Emigrated	Total	
			Subjects	Subjects	Subjects	Subjects	Subjects	P-years
All	Brazil	-1-	268	6	35	0	309	4291
		-3-	133	1	0	0	134	1115
		-5-	2715	84	231	0	3030	44456
		-6-	2	1	1	0	4	40
		More than one department	136	3	5	0	144	1955
		Denmark	-1-	390	101	0	9	500	10105
	-2-	86	14	0	1	101	1526	
	-3-	3299	645	0	48	3992	89727	
	-4-	1427	191	0	26	1644	24320	
	-5-	1680	338	0	24	2042	38138	
	-6-	2458	975	5	56	3494	71900	
	More than one department	1511	758	3	18	2290	61850	
	Finland	-1-	556	266	0	9	831	26426
		-3-	584	163	0	21	768	23690
		-4-	80	8	0	0	88	2031
		-5-	2228	895	0	16	3139	98398
		-6-	6	2	0	0	8	288
		More than one department	3148	1064	0	28	4240	130770
	France	-1-	187	27	4	0	218	2646
		-2-	3	1	0	0	4	48
		-3-	1445	181	28	0	1654	28283
		-4-	288	27	0	0	315	5223
		-5-	1985	208	33	1	2227	34384
		-6-	105	45	1	0	151	2947
		More than one department	1546	260	27	0	1833	35587
	Italy	-1-	100	50	9	0	159	5077
		-5-	176	9	4	0	189	2922
		-6-	1934	290	71	0	2295	45754
		More than one department	12	0	0	0	12	288
	Japan	-1-	393	22	0	0	415	7491
		-2-	94	1	0	0	95	1798
		-3-	894	16	7	0	917	16490
		-5-	1224	48	8	0	1280	22114
		-6-	2	0	0	0	2	42
		More than one department	399	13	5	0	417	8105
	New Zealand	-1-	499	15	139	5	658	7339
		-2-	8	0	0	0	8	95
		-3-	470	8	31	2	511	5706
		-4-	3	2	11	1	17	138
		-5-	3405	223	1116	94	4838	47760
		-6-	105	4	20	0	129	1283
		More than one department	1709	59	242	13	2023	22241
Norway	-1-	2978	1748	0	67	4793	112004	
	-2-	33	8	0	0	41	1051	
	-3-	4541	1501	0	98	6140	156308	
	-4-	293	26	0	1	320	6191	
	-5-	9017	3140	0	145	12302	308704	
	More than one department	3267	982	0	38	4287	116319	

Table 1.7

Number of exposed subjects and person-years, total, by country, sex, vital status and employment in only one department (one digit code)

Sex	Country	Department	Alive	Dead	Lost	Emigrated	Total	
			Subjects	Subjects	Subjects	Subjects	Subjects	P-years
All	Poland	-1-	836	43	0	0	879	13340
		-2-	96	1	0	0	97	986
		-3-	750	17	0	0	767	10262
		-4-	1159	12	0	0	1171	15032
		-5-	4932	218	0	0	5150	76362
		More than one department	2451	81	0	0	2532	43231
	Spain	-1-	335	29	9	0	373	6404
		-2-	3	3	1	0	7	97
		-3-	1534	115	93	0	1742	30398
		-4-	25	1	1	0	27	442
		-5-	855	36	24	0	915	15938
		-6-	15	1	0	0	16	276
	Sweden	-1-	877	244	4	27	1152	21788
		-3-	1013	175	7	66	1261	22825
		-4-	185	32	2	21	240	5499
		-5-	2062	404	1	36	2503	53143
		-6-	449	122	0	16	587	11079
		More than one department	898	136	0	11	1045	24136
	Scotland	-2-	0	3	0	0	3	63
		-3-	2112	570	134	29	2845	68392
		-5-	612	189	22	16	839	18767
		More than one department	266	136	12	3	417	11069
	USA	-1-	32	80	8	0	120	2437
		-3-	11	20	5	0	36	880
		-4-	1	6	0	0	7	125
		-5-	51	100	13	0	164	3564
		-6-	5	6	0	0	11	243
		More than one department	225	293	18	0	536	12125
	South Africa	-1-	259	33	23	0	315	6131
		-5-	849	71	44	0	964	16055
		-6-	2	0	1	0	3	14
		More than one department	181	10	12	0	203	3086
	All	-1-	7710	2664	231	117	10722	225479
-2-		323	31	1	1	356	5664	
-3-		16786	3412	305	264	20767	454076	
-4-		3461	305	14	49	3829	59001	
-5-		31791	5963	1496	332	39582	780705	
-6-		5083	1446	99	72	6700	133866	
More than one department		15749	3795	324	111	19979	470762	
All excluding Brazil, South Africa	-1-	7183	2625	173	117	10098	215058	
	-2-	323	31	1	1	356	5663	
	-3-	16653	3411	305	264	20633	452960	
	-4-	3461	305	14	49	3829	59002	
	-5-	28227	5808	1221	332	35588	720194	
	-6-	5079	1445	97	72	6693	133811	
	More than one department	15432	3782	307	111	19632	465721	

Table 1.8
Number of exposed subjects and person-years, total, by country, sex, vital status and employment in
only one department (two digits code)

Sex	Country	Department	Alive	Dead	Lost	Emigrated	Total	
			Subjects	Subjects	Subjects	Subjects	Subjects	P-years
Men	Brazil	-1-	51	0	2	0	53	700
		-6-	180	5	30	0	215	3135
		-7-	27	0	2	0	29	310
		-10-	109	1	0	0	110	905
		-12-	2378	79	192	0	2649	39029
		-13-	2	1	1	0	4	40
		More than on department	137	4	6	0	147	1972
	Denmark	-1-	59	20	0	0	79	1613
		-2-	0	3	0	0	3	53
		-5-	242	65	0	9	316	6778
		-6-	0	2	0	0	2	52
		-8-	30	0	0	0	30	179
		-9-	85	14	0	1	100	1514
		-10-	2266	457	0	40	2763	55691
		-11-	1123	178	0	20	1321	20180
		-12-	1450	322	0	21	1793	34315
		-13-	1951	900	5	47	2903	60160
	More than on department	1432	690	3	17	2142	56763	
	Finland	-1-	130	35	0	0	165	5103
		-2-	16	0	0	0	16	476
		-5-	4	30	0	0	34	720
		-6-	167	90	0	5	262	8063
		-7-	10	2	0	0	12	393
		-10-	424	94	0	11	529	15220
		-11-	65	7	0	0	72	1648
		-12-	1842	809	0	14	2665	84016
		-13-	4	2	0	0	6	213
		More than on department	2531	907	0	25	3463	104044
	France	-1-	45	9	3	0	57	786
		-5-	67	2	1	0	70	496
		-6-	28	5	0	0	33	524
		-9-	3	1	0	0	4	48
		-10-	1408	176	23	0	1607	27286
		-11-	134	15	0	0	149	2194
		-12-	1476	199	21	1	1697	26317
		-13-	71	43	1	0	115	2161
	More than on department	1503	265	26	0	1794	34313	
	Italy	-12-	138	9	4	0	151	2299
		-13-	1865	285	67	0	2217	43592
		More than on department	12	0	0	0	12	288
	Japan	-1-	88	2	0	0	90	1587
		-2-	79	10	0	0	89	1605
-4-		19	1	0	0	20	343	
-6-		61	2	0	0	63	1151	
-8-		20	3	0	0	23	432	
-9-		94	1	0	0	95	1798	
-10-		752	15	7	0	774	14382	
-12-		1133	45	7	0	1185	20883	
-13-		2	0	0	0	2	42	
More than on department		507	17	5	0	529	10221	
New Zealand	-1-	200	10	117	5	332	3485	
	-2-	9	0	1	0	10	94	
	-6-	183	1	9	0	193	2307	
	-7-	25	0	1	0	26	314	
	-9-	8	0	0	0	8	95	
	-10-	444	8	31	2	485	5444	
	-11-	1	1	6	1	9	77	
	-12-	2843	214	931	84	4072	40844	
	-13-	88	4	16	0	108	1087	
	More than on department	1670	60	229	13	1972	22027	

Table 1.8
Number of exposed subjects and person-years, total, by country, sex, vital status and employment in
only one department (two digits code)

Sex	Country	Department	Alive	Dead	Lost	Emigrated	Total	
			Subjects	Subjects	Subjects	Subjects	Subjects	P-years
Men	Norway	-1-	595	513	0	8	1116	27704
		-2-	242	139	0	3	384	8170
		-4-	56	35	0	2	93	2463
		-5-	661	420	0	21	1102	27093
		-6-	401	143	0	10	554	11209
		-7-	604	329	0	17	950	21615
		-8-	1	1	0	0	2	16
		-9-	33	8	0	0	41	1051
		-10-	3341	1237	0	67	4645	110820
		-11-	160	14	0	0	174	3220
		-12-	7117	2957	0	115	10189	261351
		More than on department	3285	1077	0	41	4403	118208
	Poland	-1-	206	8	0	0	214	3058
		-4-	6	0	0	0	6	58
		-6-	364	31	0	0	395	6118
		-7-	16	0	0	0	16	79
		-8-	8	2	0	0	10	108
		-9-	75	0	0	0	75	670
		-10-	523	13	0	0	536	7038
		-11-	163	7	0	0	170	2057
		-12-	3940	196	0	0	4136	59190
		More than on department	1498	70	0	0	1568	26503
	Spain	-1-	108	7	3	0	118	2082
		-6-	223	21	6	0	250	4264
		-8-	2	0	0	0	2	9
		-9-	3	3	1	0	7	97
		-10-	1113	99	41	0	1253	21523
		-11-	22	1	1	0	24	376
		-12-	674	29	23	0	726	12622
		-13-	14	1	0	0	15	258
	Sweden	-1-	224	86	1	8	319	5955
		-5-	32	13	0	8	53	1073
		-6-	505	116	2	10	633	11891
		-7-	8	11	0	0	19	377
		-8-	45	7	1	1	54	956
		-10-	951	163	7	64	1185	21138
		-11-	83	14	1	12	110	1987
		-12-	1772	386	1	33	2192	46942
		-13-	436	122	0	16	574	10811
		More than on department	769	134	0	10	913	20892
	Scotland	-9-	0	3	0	0	3	63
		-10-	1357	442	53	15	1867	42744
-12-		529	181	21	15	746	16753	
More than on department		225	129	6	3	363	9733	
USA	-1-	14	25	1	0	40	840	
	-5-	2	15	0	0	17	213	
	-6-	1	1	0	0	2	54	
	-7-	4	9	3	0	16	333	
	-10-	11	20	5	0	36	880	
	-11-	1	6	0	0	7	125	
	-12-	51	100	13	0	164	3564	
	-13-	5	6	0	0	11	243	
	More than on department	236	323	22	0	581	13121	
South Africa	-1-	64	12	6	0	82	1736	
	-5-	1	0	0	0	1	27	
	-6-	157	21	12	0	190	3752	
	-7-	13	0	1	0	14	239	
	-12-	694	65	40	0	799	13840	
	-13-	2	0	1	0	3	14	
More than on department	200	10	16	0	226	3398		

Table 1.8

Number of exposed subjects and person-years, total, by country, sex, vital status and employment in only one department (two digits code)

Sex	Country	Department	Alive	Dead	Lost	Emigrated	Total	
			Subjects	Subjects	Subjects	Subjects	Subjects	P-years
Men	All	-1-	1784	727	133	21	2665	54649
		-2-	346	152	1	3	502	10398
		-4-	81	36	0	2	119	2864
		-5-	1009	545	1	38	1593	36400
		-6-	2270	438	59	25	2792	52520
		-7-	707	351	7	17	1082	23660
		-8-	106	13	1	1	121	1700
		-9-	301	30	1	1	333	5336
		-10-	12699	2725	167	199	15790	323071
		-11-	1752	243	8	33	2036	31864
		-12-	26037	5591	1253	283	33164	661965
		-13-	4440	1364	91	63	5958	118621
		More than on department	14005	3686	313	109	18113	421483
		All excluding Brazil, South Africa	-1-	1669	715	125	21	2530	52214
	-2-		346	152	1	3	502	10399
	-4-		81	36	0	2	119	2863
	-5-		1008	545	1	38	1592	36374
	-6-		1933	412	17	25	2387	45634
	-7-		667	351	4	17	1039	23112
	-8-		106	13	1	1	121	1700
	-9-		301	30	1	1	333	5335
	-10-		12590	2724	167	199	15680	322166
	-11-		1752	243	8	33	2036	31865
	-12-		22965	5447	1021	283	29716	609096
	-13-		4436	1363	89	63	5951	118567
	More than on department	13668	3672	291	109	17740	416113	

Table 1.8
Number of exposed subjects and person-years, total, by country, sex, vital status and employment in
only one department (two digits code)

Sex	Country	Department	Alive	Dead	Lost	Emigrated	Total	
			Subjects	Subjects	Subjects	Subjects	Subjects	P-years
Women	Brazil	-6-	3	0	0	0	3	40
		-10-	24	0	0	0	24	210
		-12-	337	5	39	0	381	5427
		More than on department	6	0	0	0	6	87
	Denmark	-9-	1	0	0	0	1	12
		-10-	1033	188	0	8	1229	34035
		-11-	304	13	0	6	323	4140
		-12-	230	16	0	3	249	3823
		-13-	507	75	0	9	591	11741
		More than on department	138	79	0	1	218	6516
	Finland	-1-	32	8	0	0	40	1415
		-2-	4	0	0	0	4	144
		-5-	14	12	0	1	27	956
		-6-	54	35	0	3	92	3604
		-7-	6	2	0	0	8	281
		-10-	160	69	0	10	239	8469
		-11-	15	1	0	0	16	383
		-12-	386	86	0	2	474	14382
		-13-	2	0	0	0	2	75
		More than on department	736	209	0	3	948	31999
	France	-1-	4	1	0	0	5	119
		-10-	37	5	5	0	47	997
		-11-	154	12	0	0	166	3029
		-12-	509	9	12	0	530	8067
		-13-	34	2	0	0	36	786
	More than on department	86	5	1	0	92	1994	
	Italy	-1-	100	50	9	0	159	5077
		-12-	38	0	0	0	38	622
		-13-	69	5	4	0	78	2161
	Japan	-1-	14	0	0	0	14	189
		-8-	2	0	0	0	2	38
		-10-	142	1	0	0	143	2108
		-12-	91	3	1	0	95	1231
	More than on department	2	0	0	0	2	32	
	New Zealand	-1-	15	0	4	0	19	191
		-6-	6	0	0	0	6	72
		-7-	1	0	0	0	1	13
		-10-	26	0	0	0	26	262
		-11-	2	1	5	0	8	61
		-12-	562	9	185	10	766	6917
		-13-	17	0	4	0	21	196
	More than on department	99	3	20	0	122	1076	
	Norway	-1-	6	2	0	0	8	193
		-2-	7	1	0	0	8	132
-4-		13	8	0	1	22	638	
-5-		50	34	0	1	85	2284	
-6-		30	3	0	0	33	366	
-7-		21	2	0	0	23	434	
-10-		1200	264	0	31	1495	45489	
-11-		133	12	0	1	146	2971	
-12-		1900	183	0	30	2113	47353	
More than on department		273	23	0	1	297	7797	

Table 1.8

Number of exposed subjects and person-years, total, by country, sex, vital status and employment in only one department (two digits code)

Sex	Country	Department	Alive	Dead	Lost	Emigrated	Total	
			Subjects	Subjects	Subjects	Subjects	Subjects	P-years
Women	Poland	-1-	83	0	0	0	83	1394
		-6-	79	0	0	0	79	1319
		-7-	6	0	0	0	6	30
		-8-	7	0	0	0	7	93
		-9-	21	1	0	0	22	316
		-10-	227	4	0	0	231	3224
		-11-	996	5	0	0	1001	12975
		-12-	992	22	0	0	1014	17172
	More than on department	1014	13	0	0	1027	17810	
	Spain	-1-	1	1	0	0	2	45
		-6-	1	0	0	0	1	5
		-10-	421	16	52	0	489	8875
		-11-	3	0	0	0	3	66
		-12-	181	7	1	0	189	3315
		-13-	1	0	0	0	1	18
	Sweden	-1-	16	0	0	0	16	213
		-5-	2	0	0	0	2	43
		-6-	4	1	0	0	5	55
		-8-	3	0	0	0	3	90
		-10-	62	12	0	2	76	1686
		-11-	102	18	1	9	130	3512
		-12-	290	18	0	3	311	6202
		-13-	13	0	0	0	13	269
	More than on department	167	12	0	1	180	4379	
	Scotland	-10-	755	128	81	14	978	25647
		-12-	83	8	1	1	93	2014
		More than on department	41	7	6	0	54	1336
	South Africa	-6-	1	0	0	0	1	7
		-12-	155	6	4	0	165	2215
		More than on department	4	0	0	0	4	58
	All	-1-	271	62	13	0	346	8836
		-2-	11	1	0	0	12	276
		-4-	13	8	0	1	22	638
-5-		66	46	0	2	114	3283	
-6-		178	39	0	3	220	5468	
-7-		34	4	0	0	38	758	
-8-		12	0	0	0	12	221	
-9-		22	1	0	0	23	328	
-10-		4087	687	138	65	4977	131002	
-11-		1709	62	6	16	1793	27137	
-12-		5754	372	243	49	6418	118740	
-13-		643	82	8	9	742	15246	
More than on department		2566	351	27	6	2950	73084	
All excluding Brazil, South Africa	-1-	271	62	13	0	346	8835	
	-2-	11	1	0	0	12	276	
	-4-	13	8	0	1	22	638	
	-5-	66	46	0	2	114	3283	
	-6-	174	39	0	3	216	5420	
	-7-	34	4	0	0	38	758	
	-8-	12	0	0	0	12	220	
	-9-	22	1	0	0	23	328	
	-10-	4063	687	138	65	4953	130794	
	-11-	1709	62	6	16	1793	27137	
	-12-	5262	361	200	49	5872	111098	
	-13-	643	82	8	9	742	15244	
	More than on department	2556	351	27	6	2940	72939	

Table 1.8
Number of exposed subjects and person-years, total, by country, sex, vital status and employment in
only one department (two digits code)

Sex	Country	Department	Alive	Dead	Lost	Emigrated	Total	
			Subjects	Subjects	Subjects	Subjects	Subjects	P-years
All	Brazil	-1-	51	0	2	0	53	700
		-6-	183	5	30	0	218	3175
		-7-	27	0	2	0	29	310
		-10-	133	1	0	0	134	1115
		-12-	2715	84	231	0	3030	44456
		-13-	2	1	1	0	4	40
		More than on department	143	4	6	0	153	2060
	Denmark	-1-	59	20	0	0	79	1613
		-2-	0	3	0	0	3	53
		-5-	242	65	0	9	316	6778
		-6-	0	2	0	0	2	52
		-8-	30	0	0	0	30	179
		-9-	86	14	0	1	101	1526
		-10-	3299	645	0	48	3992	89727
		-11-	1427	191	0	26	1644	24320
		-12-	1680	338	0	24	2042	38138
		-13-	2458	975	5	56	3494	71900
	More than on department	1570	769	3	18	2360	63279	
	Finland	-1-	162	43	0	0	205	6518
		-2-	20	0	0	0	20	620
		-5-	18	42	0	1	61	1676
		-6-	221	125	0	8	354	11667
		-7-	16	4	0	0	20	674
		-10-	584	163	0	21	768	23690
		-11-	80	8	0	0	88	2031
		-12-	2228	895	0	16	3139	98398
		-13-	6	2	0	0	8	288
		More than on department	3267	1116	0	28	4411	136042
	France	-1-	49	10	3	0	62	905
		-5-	67	2	1	0	70	496
		-6-	28	5	0	0	33	524
		-9-	3	1	0	0	4	48
		-10-	1445	181	28	0	1654	28283
		-11-	288	27	0	0	315	5223
		-12-	1985	208	33	1	2227	34384
		-13-	105	45	1	0	151	2947
	More than on department	1589	270	27	0	1886	36307	
	Italy	-1-	100	50	9	0	159	5077
		-12-	176	9	4	0	189	2922
		-13-	1934	290	71	0	2295	45754
		More than on department	12	0	0	0	12	288
	Japan	-1-	102	2	0	0	104	1776
-2-		79	10	0	0	89	1605	
-4-		19	1	0	0	20	343	
-6-		61	2	0	0	63	1151	
-8-		22	3	0	0	25	469	
-9-		94	1	0	0	95	1798	
-10-		894	16	7	0	917	16490	
-12-		1224	48	8	0	1280	22114	
-13-		2	0	0	0	2	42	
More than on department		509	17	5	0	531	10253	
New Zealand	-1-	215	10	121	5	351	3676	
	-2-	9	0	1	0	10	94	
	-6-	189	1	9	0	199	2379	
	-7-	26	0	1	0	27	327	
	-9-	8	0	0	0	8	95	
	-10-	470	8	31	2	511	5706	
	-11-	3	2	11	1	17	138	
	-12-	3405	223	1116	94	4838	47760	
	-13-	105	4	20	0	129	1283	
	More than on department	1769	63	249	13	2094	23103	

Table 1.8
Number of exposed subjects and person-years, total, by country, sex, vital status and employment in
only one department (two digits code)

Sex	Country	Department	Alive	Dead	Lost	Emigrated	Total	
			Subjects	Subjects	Subjects	Subjects	Subjects	P-years
All	Norway	-1-	601	515	0	8	1124	27898
		-2-	249	140	0	3	392	8303
		-4-	69	43	0	3	115	3101
		-5-	711	454	0	22	1187	29377
		-6-	431	146	0	10	587	11575
		-7-	625	331	0	17	973	22049
		-8-	1	1	0	0	2	16
		-9-	33	8	0	0	41	1051
		-10-	4541	1501	0	98	6140	156308
		-11-	293	26	0	1	320	6191
		-12-	9017	3140	0	145	12302	308704
		More than on department	3558	1100	0	42	4700	126004
	Poland	-1-	289	8	0	0	297	4451
		-4-	6	0	0	0	6	58
		-6-	443	31	0	0	474	7437
		-7-	22	0	0	0	22	110
		-8-	15	2	0	0	17	202
		-9-	96	1	0	0	97	986
		-10-	750	17	0	0	767	10262
		-11-	1159	12	0	0	1171	15032
		-12-	4932	218	0	0	5150	76362
		More than on department	2512	83	0	0	2595	44313
	Spain	-1-	109	8	3	0	120	2127
		-6-	224	21	6	0	251	4268
		-8-	2	0	0	0	2	9
		-9-	3	3	1	0	7	97
		-10-	1534	115	93	0	1742	30398
		-11-	25	1	1	0	27	442
		-12-	855	36	24	0	915	15938
		-13-	15	1	0	0	16	276
	Sweden	-1-	240	86	1	8	335	6168
		-5-	34	13	0	8	55	1116
		-6-	509	117	2	10	638	11946
		-7-	8	11	0	0	19	377
		-8-	48	7	1	1	57	1045
		-10-	1013	175	7	66	1261	22825
		-11-	185	32	2	21	240	5499
		-12-	2062	404	1	36	2503	53143
		-13-	449	122	0	16	587	11079
		More than on department	936	146	0	11	1093	25271
	Scotland	-9-	0	3	0	0	3	63
		-10-	2112	570	134	29	2845	68392
-12-		612	189	22	16	839	18767	
More than on department		266	136	12	3	417	11069	
USA	-1-	14	25	1	0	40	840	
	-5-	2	15	0	0	17	213	
	-6-	1	1	0	0	2	54	
	-7-	4	9	3	0	16	333	
	-10-	11	20	5	0	36	880	
	-11-	1	6	0	0	7	125	
	-12-	51	100	13	0	164	3564	
	-13-	5	6	0	0	11	243	
	More than on department	236	323	22	0	581	13121	
South Africa	-1-	64	12	6	0	82	1736	
	-5-	1	0	0	0	1	27	
	-6-	158	21	12	0	191	3759	
	-7-	13	0	1	0	14	239	
	-12-	849	71	44	0	964	16055	
	-13-	2	0	1	0	3	14	
More than on department	204	10	16	0	230	3456		

Table 1.8

Number of exposed subjects and person-years, total, by country, sex, vital status and employment in only one department (two digits code)

Sex	Country	Department	Alive	Dead	Lost	Emigrated	Total	
			Subjects	Subjects	Subjects	Subjects	Subjects	P-years
All	All	-1-	2055	789	146	21	3011	63485
		-2-	357	153	1	3	514	10675
		-4-	94	44	0	3	141	3502
		-5-	1075	591	1	40	1707	39683
		-6-	2448	477	59	28	3012	57987
		-7-	741	355	7	17	1120	24419
		-8-	118	13	1	1	133	1920
		-9-	323	31	1	1	356	5664
		-10-	16786	3412	305	264	20767	454076
		-11-	3461	305	14	49	3829	59001
		-12-	31791	5963	1496	332	39582	780705
		-13-	5083	1446	99	72	6700	133866
		More than on department	16571	4037	340	115	21063	494566
		All excluding Brazil, South Africa	-1-	1940	777	138	21	2876	61049
	-2-		357	153	1	3	514	10675
	-4-		94	44	0	3	141	3501
	-5-		1074	591	1	40	1706	39657
	-6-		2107	451	17	28	2603	51054
	-7-		701	355	4	17	1077	23870
	-8-		118	13	1	1	133	1920
	-9-		323	31	1	1	356	5663
	-10-		16653	3411	305	264	20633	452960
	-11-		3461	305	14	49	3829	59002
	-12-		28227	5808	1221	332	35588	720194
	-13-		5079	1445	97	72	6693	133811
	More than on department	16224	4023	318	115	20680	489052	

Table 1.9
Number of exposed subjects and person-years, total, by country, sex, vital status and department of longest employment (one digit code)

Sex	Country	Department of longest employment	Alive	Dead	Lost	Emigrated	Total	
			Subjects	Subjects	Subjects	Subjects	Subjects	P-years
Men	Brazil	-1-	312	7	38	0	357	4851
		-3-	139	1	0	0	140	1299
		-5-	2428	81	194	0	2703	39855
		-6-	5	1	1	0	7	87
	Denmark	-1-	463	125	0	10	598	12469
		-2-	110	17	0	1	128	1985
		-3-	2903	710	1	48	3662	82037
		-4-	1186	187	0	20	1393	21673
		-5-	1873	461	1	25	2360	48887
		-6-	2103	1151	6	51	3311	70248
	Finland	-1-	1049	517	0	13	1579	47338
		-3-	1041	235	0	22	1298	36955
		-4-	263	26	0	0	289	7377
		-5-	2832	1194	0	20	4046	127821
		-6-	8	4	0	0	12	405
	France	-1-	396	83	8	0	487	7377
		-2-	5	1	0	0	6	81
		-3-	1947	255	35	0	2237	40031
		-4-	198	16	1	0	215	3147
		-5-	2118	317	30	1	2466	41328
		-6-	71	43	1	0	115	2161
	Italy	-5-	146	9	4	0	159	2501
		-6-	1869	285	67	0	2221	43680
	Japan	-1-	481	24	1	0	506	9427
		-2-	122	1	1	0	124	2380
		-3-	902	24	9	0	935	17509
		-5-	1245	47	8	0	1300	23023
		-6-	5	0	0	0	5	104
	New Zealand	-1-	932	35	209	9	1185	13305
		-2-	21	0	1	0	22	241
		-3-	770	13	75	4	862	9559
		-4-	2	3	13	1	19	175
		-5-	3474	242	1005	89	4810	49180
		-6-	272	5	38	2	317	3314
	Norway	-1-	3695	2005	0	78	5778	139114
		-2-	49	13	0	0	62	1679
		-3-	4256	1462	0	76	5794	140102
		-4-	197	17	0	0	214	3960
		-5-	8299	3376	0	130	11805	308065
	Poland	-1-	949	60	0	0	1009	15821
		-2-	184	4	0	0	188	2504
		-3-	786	21	0	0	807	11526
		-4-	282	11	0	0	293	4058
		-5-	4598	231	0	0	4829	70971
	Spain	-1-	333	28	9	0	370	6355
		-2-	3	3	1	0	7	97
		-3-	1113	99	41	0	1253	21523
		-4-	22	1	1	0	24	376
		-5-	674	29	23	0	726	12622
		-6-	14	1	0	0	15	258
	Sweden	-1-	1003	276	4	30	1313	25438
		-3-	1125	190	7	69	1391	25705
		-4-	115	17	1	12	145	2817
		-5-	2037	429	1	33	2500	54093
-6-		545	140	0	18	703	13969	
Scotland	-1-	1	2	0	0	3	96	
	-2-	2	14	0	0	16	406	
	-3-	1476	519	59	17	2071	48214	
	-5-	632	218	21	16	887	20534	
	-6-	0	2	0	0	2	44	
	USA	-1-	93	189	11	0	293	6236
-3-		84	72	13	0	169	4122	
-4-		9	12	0	0	21	482	
-5-		128	214	19	0	361	7924	
-6-		11	18	1	0	30	610	
South Africa	-1-	339	35	29	0	403	7485	
	-5-	776	73	46	0	895	15328	
	-6-	16	0	1	0	17	194	

Table 1.9

Number of exposed subjects and person-years, total, by country, sex, vital status and department of longest employment (one digit code)

Sex	Country	Department of longest employment	Alive	Dead	Lost	Emigrated	Total	
			Subjects	Subjects	Subjects	Subjects	Subjects	P-years
Men	All	-1-	10046	3386	309	140	13881	295312
		-2-	496	53	3	1	553	9373
		-3-	16542	3601	240	236	20619	438582
		-4-	2274	290	16	33	2613	44065
		-5-	31260	6921	1352	314	39847	822132
		-6-	4919	1650	115	71	6755	135074
	All excluding Brazil, South Africa	-1-	9395	3344	242	140	13121	282977
		-2-	496	53	3	1	553	9373
		-3-	16403	3600	240	236	20479	437282
		-4-	2274	290	16	33	2613	44066
		-5-	28056	6767	1112	314	36249	766949
		-6-	4898	1649	113	71	6731	134793

Table 1.9
Number of exposed subjects and person-years, total, by country, sex, vital status and department of longest employment (one digit code)

Sex	Country	Department of longest employment	Alive	Dead	Lost	Emigrated	Total	
			Subjects	Subjects	Subjects	Subjects	Subjects	P-years
Women	Brazil	-1-	7	0	0	0	7	100
		-3-	24	0	0	0	24	210
		-5-	339	5	39	0	383	5454
	Denmark	-1-	1	0	0	0	1	33
		-2-	1	0	0	0	1	12
		-3-	1103	225	0	9	1337	37596
		-4-	315	13	0	6	334	4322
		-5-	266	21	0	3	290	4805
		-6-	527	112	0	9	648	13500
	Finland	-1-	298	146	0	4	448	16676
		-3-	346	125	0	12	483	16728
		-4-	82	3	0	0	85	2261
		-5-	681	148	0	3	832	25967
		-6-	2	0	0	0	2	75
	France	-1-	5	1	0	0	6	144
		-3-	72	6	6	0	84	1864
		-4-	167	15	0	0	182	3310
		-5-	546	9	12	0	567	8885
		-6-	34	3	0	0	37	791
	Italy	-1-	100	50	9	0	159	5077
		-5-	38	0	0	0	38	622
		-6-	69	5	4	0	78	2161
	Japan	-1-	17	0	0	0	17	247
		-3-	142	1	0	0	143	2108
		-5-	92	3	1	0	96	1242
	New Zealand	-1-	33	1	8	0	42	432
		-2-	1	0	0	0	1	13
		-3-	55	0	0	0	55	503
		-4-	2	2	5	0	9	68
		-5-	598	10	195	10	813	7359
		-6-	39	0	10	0	49	412
	Norway	-1-	182	54	0	3	239	5378
		-3-	1276	273	0	31	1580	47906
		-4-	141	12	0	1	154	3131
		-5-	2034	193	0	30	2257	51243
		-6-						
	Poland	-1-	323	1	0	0	324	5493
		-2-	51	2	0	0	53	870
		-3-	442	6	0	0	448	7013
		-4-	1218	7	0	0	1225	16719
		-5-	1391	29	0	0	1420	24238
	Spain	-1-	2	1	0	0	3	49
		-3-	421	16	52	0	489	8875
		-4-	3	0	0	0	3	66
		-5-	181	7	1	0	189	3315
		-6-	1	0	0	0	1	18
		-6-						
	Sweden	-1-	47	4	0	0	51	904
		-3-	99	15	0	2	116	2631
		-4-	142	21	1	9	173	4731
		-5-	347	19	0	4	370	7583
		-6-	24	2	0	0	26	599
		-6-						
	Scotland	-3-	776	133	86	14	1009	26411
		-5-	102	8	2	1	113	2502
		-6-	1	2	0	0	3	84
	South Africa	-1-	1	0	0	0	1	7
		-5-	159	6	4	0	169	2273
	All	-1-	1016	258	17	7	1298	34540
		-2-	53	2	0	0	55	895
		-3-		4756	800	144	68	5768	151845
		-4-		2070	73	6	16	2165	34608
		-5-		6774	458	254	51	7537	145488
		-6-		697	124	14	9	844	17640
	All excluding Brazil, South Africa	-1-	1008	258	17	7	1290	34432
		-2-	53	2	0	0	55	895
		-3-	4732	800	144	68	5744	151635
		-4-	2070	73	6	16	2165	34607
		-5-	6276	447	211	51	6985	137763
		-6-	697	124	14	9	844	17639

Table 1.9
Number of exposed subjects and person-years, total, by country, sex, vital status and department of longest employment (one digit code)

Sex	Country	Department of longest employment	Alive	Dead	Lost	Emigrated	Total	
			Subjects	Subjects	Subjects	Subjects	Subjects	P-years
All	Brazil	-1-	319	7	38	0	364	4951
		-3-	163	1	0	0	164	1509
		-5-	2767	86	233	0	3086	45310
		-6-	5	1	1	0	7	87
	Denmark	-1-	464	125	0	10	599	12502
		-2-	111	17	0	1	129	1997
		-3-	4006	935	1	57	4999	119633
		-4-	1501	200	0	26	1727	25995
		-5-	2139	482	1	28	2650	53692
		-6-	2630	1263	6	60	3959	83748
	Finland	-1-	1347	663	0	17	2027	64014
		-3-	1387	360	0	34	1781	53684
		-4-	345	29	0	0	374	9638
		-5-	3513	1342	0	23	4878	153788
		-6-	10	4	0	0	14	480
	France	-1-	401	84	8	0	493	7522
		-2-	5	1	0	0	6	81
		-3-	2019	261	41	0	2321	41894
		-4-	365	31	1	0	397	6457
		-5-	2664	326	42	1	3033	50213
		-6-	105	46	1	0	152	2952
	Italy	-1-	100	50	9	0	159	5077
		-5-	184	9	4	0	197	3123
		-6-	1938	290	71	0	2299	45841
	Japan	-1-	498	24	1	0	523	9674
		-2-	122	1	1	0	124	2380
		-3-	1044	25	9	0	1078	19617
		-5-	1337	50	9	0	1396	24264
		-6-	5	0	0	0	5	104
	New Zealand	-1-	965	36	217	9	1227	13737
		-2-	22	0	1	0	23	254
		-3-	825	13	75	4	917	10062
		-4-	4	5	18	1	28	244
		-5-	4072	252	1200	99	5623	56539
		-6-	311	5	48	2	366	3726
	Norway	-1-	3877	2059	0	81	6017	144492
		-2-	49	13	0	0	62	1679
		-3-	5532	1735	0	107	7374	188008
		-4-	338	29	0	1	368	7091
		-5-	10333	3569	0	160	14062	359308
	Poland	-1-	1272	61	0	0	1333	21314
		-2-	235	6	0	0	241	3374
		-3-	1228	27	0	0	1255	18538
		-4-	1500	18	0	0	1518	20777
		-5-	5989	260	0	0	6249	95210
	Spain	-1-	335	29	9	0	373	6404
		-2-	3	3	1	0	7	97
		-3-	1534	115	93	0	1742	30398
		-4-	25	1	1	0	27	442
		-5-	855	36	24	0	915	15938
		-6-	15	1	0	0	16	276
	Sweden	-1-	1050	280	4	30	1364	26343
		-3-	1224	205	7	71	1507	28336
		-4-	257	38	2	21	318	7548
		-5-	2384	448	1	37	2870	61676
		-6-	569	142	0	18	729	14568
	Scotland	-1-	1	2	0	0	3	96
		-2-	2	14	0	0	16	406
		-3-	2252	652	145	31	3080	74624
		-5-	734	226	23	17	1000	23037
		-6-		1	4	0	0	5	127
	USA	-1-	93	189	11	0	293	6236
		-3-	84	72	13	0	169	4122
		-4-	9	12	0	0	21	482
		-5-	128	214	19	0	361	7924
		-6-	11	18	1	0	30	610

Table 1.9
Number of exposed subjects and person-years, total, by country, sex, vital status and department of longest employment (one digit code)

Sex	Country	Department of longest employment	Alive	Dead	Lost	Emigrated	Total	
			Subjects	Subjects	Subjects	Subjects	Subjects	P-years
All	South Africa	-1-	340	35	29	0	404	7492
		-5-	935	79	50	0	1064	17601
		-6-	16	0	1	0	17	194
	All	-1-	11062	3644	326	147	15179	329854
		-2-	549	55	3	1	608	10268
		-3-	21298	4401	384	304	26387	590425
		-4-	4344	363	22	49	4778	78674
		-5-	38034	7379	1606	365	47384	967623
		-6-	5616	1774	129	80	7599	152713
	All excluding Brazil, South Africa	-1-	10403	3602	259	147	14411	317409
		-2-	549	55	3	1	608	10268
		-3-	21135	4400	384	304	26223	588917
		-4-	4344	363	22	49	4778	78673
		-5-	34332	7214	1323	365	43234	904712
		-6-	5595	1773	127	80	7575	152432

Table 1.10
Number of subjects and person-years, total, by country, sex and years since first employment

Sex	Years since first employment (years)	1-9		10-14		15-19		20-24		25+		Total	
		Subjects	P-years	Subjects	P-years	Subjects	P-years	Subjects	P-years	Subjects	P-years	Subjects	P-years
Men	Brazil	3207	28706	2214	9625	1492	5724	791	2041	20	6	3207	46102
	Denmark	10759	98086	9115	41147	7629	33607	6155	25516	4499	38975	11452	237330
	Finland	7347	68947	7349	35297	7192	33746	6656	30460	5742	81385	8090	249835
	France	3954	28549	3147	13758	3002	12664	2846	11929	2538	27241	5526	94141
	Italy	2259	19721	1845	8242	1603	7000	1192	4773	765	6451	2380	46187
	Japan	1438	9237	1722	6739	2115	9397	1998	9118	1883	17959	2870	52451
	New Zealand	5782	37784	4655	16436	3042	10263	1997	6768	1264	7383	7475	78634
	Norway	21028	179605	18955	89096	17430	79594	15030	66549	13137	178141	23653	592985
	Poland	7126	60800	5210	22920	3984	15142	1922	5745	298	291	7126	104899
	Spain	2120	16368	1719	8152	1727	7407	1200	4333	664	4978	2395	41238
	Sweden	5445	48671	4568	20680	3826	16471	2920	11946	2400	24696	6073	122464
	Scotland	2674	23998	2390	11114	2299	10044	1889	8129	1636	19006	3094	72292
	USA	102	265	197	781	300	1227	408	1793	855	15311	874	19376
	South Africa	1317	12164	1034	4379	709	2978	485	1921	275	1589	1317	23031
	All	74558	632899	64120	288366	56350	245263	45489	191023	35976	423412	85532	1780964
All, excluding Brazil, South Africa	70034	592029	60872	274362	54149	236561	44213	187061	35681	421817	81008	1711831	
Women	Brazil	414	3702	281	1207	185	632	79	223	5	1	414	5766
	Denmark	2494	22862	2101	9590	1769	8038	1520	6682	1189	13103	2611	60275
	Finland	2133	19900	2176	10377	2174	10510	2129	10074	1927	32003	2388	82864
	France	670	4486	476	2156	477	2159	453	1863	376	4331	876	14995
	Italy	226	1957	257	1119	248	1194	226	1074	202	2516	275	7861
	Japan	237	2096	177	726	116	340	40	156	29	280	256	3598
	New Zealand	911	6042	498	1658	234	697	94	331	48	186	981	8915
	Norway	3980	35703	3536	16795	3253	15095	2798	12220	2246	27857	4230	107669
	Poland	3470	31693	2827	12631	2179	8012	783	1927	61	80	3470	54342
	Spain	664	5510	563	2731	542	2351	374	1238	127	495	685	12325
	Sweden	705	6202	635	2980	572	2658	476	1909	316	2736	737	16487
	Scotland	1118	9974	1010	4841	957	4429	821	3695	675	6812	1148	29751
	South Africa	170	1481	106	444	67	222	24	76	11	58	170	2281
	All	17192	151608	14643	67257	12773	56337	9817	41468	7212	90458	18241	407128
	All, excluding Brazil, South Africa	16608	146425	14256	65606	12521	55483	9714	41169	7196	90399	17657	399081

Table 1.10
Number of subjects and person-years, total, by country, sex and years since first employment

Sex	Years since first employment (years)	1-9		10-14		15-19		20-24		25+		Total	
		Subjects	P-years	Subjects	P-years	Subjects	P-years	Subjects	P-years	Subjects	P-years	Subjects	P-years
All	Brazil	3621	32407	2495	10832	1677	6356	870	2265	25	7	3621	51867
	Denmark	13253	120948	11216	50737	9398	41644	7675	32198	5688	52078	14063	297605
	Finland	9480	88846	9525	45674	9366	44256	8785	40535	7669	113389	10478	332700
	France	4624	33035	3623	15915	3479	14823	3299	13793	2914	31571	6402	109136
	Italy	2485	21678	2102	9361	1851	8194	1418	5847	967	8967	2655	54048
	Japan	1675	11333	1899	7465	2231	9738	2038	9274	1912	18239	3126	56048
	New Zealand	6693	43827	5153	18094	3276	10960	2091	7099	1312	7569	8456	87549
	Norway	25008	215308	22491	105891	20683	94689	17828	78768	15383	205998	27883	700654
	Poland	10596	92493	8037	35551	6163	23154	2705	7672	359	371	10596	159241
	Spain	2784	21878	2282	10883	2269	9758	1574	5571	791	5473	3080	53564
	Sweden	6150	54873	5203	23660	4398	19130	3396	13855	2716	27432	6810	138951
	Scotland	3792	33972	3400	15956	3256	14473	2710	11824	2311	25818	4242	102043
	USA	102	265	197	781	300	1227	408	1793	855	15311	874	19376
	South Africa	1487	13645	1140	4823	776	3200	509	1997	286	1646	1487	25311
		All	91750	784507	78763	355624	69123	301600	55306	232491	43188	513870	103773	2188092
	All, excluding Brazil, South Africa	86642	738455	75128	339969	66670	292044	53927	228229	42877	512217	98665	2110914

MORTALITY

INDIRECT STANDARDISATION

Table 2.1.1
Mortality by cause

TOTAL COHORT

Causes of death (ICD 9th.revision)	Observed	Expected	SMR	95% Confidence intervals
ALL CAUSES	18522	20267.4	0.91	[0.90 - 0.93]
ALL MALIGNANT NEOPLASMS (140-208)	4506	4840.5	0.93	[0.90 - 0.96]
Oral cavity & pharynx (140-149)	81	110.11	0.74	[0.58 - 0.91]
Oral cavity (141,143-145)	37	44.33	0.83	[0.59 - 1.15]
Nasopharynx (147)	4	7.71	0.52	[0.14 - 1.33]
Oesophagus (150)	85	120.67	0.70	[0.56 - 0.87]
Stomach (151)	405	489.9	0.83	[0.75 - 0.91]
Colon (153)	298	320.57	0.93	[0.83 - 1.04]
Rectum (154)	189	213.45	0.89	[0.76 - 1.02]
Liver (155)	75	100.16	0.75	[0.59 - 0.94]
Gallbladder (156)	39	44.04	0.89	[0.63 - 1.21]
Pancreas (157)	244	248.88	0.98	[0.86 - 1.11]
Peritoneum and other unspecified organs(158-159)	21	27.76	0.76	[0.47 - 1.16]
Nose & sinuses (160)	13	15.1	0.86	[0.46 - 1.47]
Larynx (161)	61	63.19	0.97	[0.74 - 1.24]
Lung (162)	1165	1144.12	1.02	[0.96 - 1.08]
Pleura (163)	36	19.3	1.87	[1.31 - 2.58]
Other respiratory organs (164-165)	16	12.26	1.31	[0.75 - 2.12]
Bone (170)	9	19.86	0.45	[0.21 - 0.86]
Soft tissue (171)	25	19.73	1.27	[0.82 - 1.87]
Melanoma (172)	70	72.25	0.97	[0.76 - 1.22]
Other skin (173)	9	14.19	0.63	[0.29 - 1.20]
Breast (174-175)	109	121.68	0.90	[0.74 - 1.08]
Cervix uteri (180)	30	31.36	0.96	[0.65 - 1.37]
Corpus uteri & uterus unspecified (179,181-182)	18	21.35	0.84	[0.50 - 1.33]
Ovary (183)	45	47.13	0.95	[0.70 - 1.28]
Other female genital organs (184)	5	4.83	1.03	[0.34 - 2.41]
Prostate (185)	363	407.25	0.89	[0.80 - 0.99]
Testis (186)	16	20.58	0.78	[0.44 - 1.26]
Other male genital organs (187)	13	5.44	2.39	[1.27 - 4.09]
Bladder (188)	163	159.24	1.02	[0.87 - 1.19]
Kidney (189)	123	134.88	0.91	[0.76 - 1.09]
Eye (190)	4	7.28	0.55	[0.15 - 1.41]
Brain (191-192)	116	133.19	0.87	[0.72 - 1.04]
Thyroid (193)	10	15.05	0.66	[0.32 - 1.22]
Other endocrine glands (194)	5	6.75	0.74	[0.24 - 1.73]
Ill defined (195,199)	214	215.44	0.99	[0.86 - 1.14]
Lymphatic & hematopoietic tissue (200-208)	362	394.03	0.92	[0.83 - 1.02]
Non-Hodgkins lymphoma (200,202)	111	114.88	0.97	[0.79 - 1.16]
Hodgkins disease (201)	37	37.02	1.00	[0.70 - 1.38]
Multiple myeloma (203)	71	77.73	0.91	[0.71 - 1.15]
Leukemia & aleukemia (204-208)	143	159.83	0.89	[0.75 - 1.05]
Lymphoid leukemia (204)	28	40.52	0.69	[0.46 - 1.00]
Myeloid leukemia (205)	58	65.58	0.88	[0.67 - 1.14]
BENIGN NEOPLASMS (210-239)	71	91.4	0.78	[0.61 - 0.98]
DIS. OF ENDOCRINE SYSTEM & BLOOD (240-289)	275	340.63	0.81	[0.71 - 0.91]
MENTAL DISORDERS (290-319)	157	221.87	0.71	[0.60 - 0.83]
DIS. OF NERVOUS SYSTEM (320-389)	237	275.64	0.86	[0.75 - 0.98]
DIS. OF CIRCULATORY SYSTEM (390-459)	8602	9162.13	0.94	[0.92 - 0.96]
Hypertension (401-405)	169	213.88	0.79	[0.68 - 0.92]
Ischaemic heart disease (410-414)	5273	5633.24	0.94	[0.91 - 0.96]
Cerebrovascular (430-438)	1571	1809.76	0.87	[0.83 - 0.91]
Other heart diseases (4150,4152-4299)	644	797.17	0.81	[0.75 - 0.87]
DIS. OF RESPIRATORY SYSTEM (460-519)	1083	1348.82	0.80	[0.76 - 0.85]
Influenza (487)	35	44.46	0.79	[0.55 - 1.09]
Pneumonia (480-486)	439	601.54	0.73	[0.66 - 0.80]
Bronchitis,emphysema & asthma (490-493)	420	479.08	0.88	[0.79 - 0.96]
Pneumoconioses (500-508)	10	17.99	0.56	[0.27 - 1.02]
DIS. OF DIGESTIVE SYSTEM (520-579)	630	733.07	0.86	[0.79 - 0.93]
Liver cirrhosis (571)	256	276.93	0.92	[0.81 - 1.04]
DIS. OF GENITO-URINARY SYSTEM (580-629)	227	288.26	0.79	[0.69 - 0.90]
Nephritis & nephrosis (580-589)	82	119.44	0.69	[0.55 - 0.85]
DIS. OF THE SKIN (680-739)	58	71.09	0.82	[0.62 - 1.05]
SYMPTOMS AND ILL-DEFINED CONDITIONS (780-799)	506	605.21	0.84	[0.76 - 0.91]
EXTERNAL CAUSES (E800-999)	1684	2002.84	0.84	[0.80 - 0.88]
Traffic accident (E810-819)	292	407.17	0.72	[0.64 - 0.80]
Suicide (E950-959)	444	596.51	0.74	[0.68 - 0.82]
Homicide (E960-969)	38	64.58	0.59	[0.42 - 0.81]
Other external causes (E800-807,E820-949,E970-999)	910	934.62	0.97	[0.91 - 1.04]
UNKNOWN CAUSES	130			
OTHER CAUSES	356			

Table 2.1.2
Mortality by cause

TOTAL COHORT

Men

Causes of death (ICD 9th.revision)	Observed	Expected	SMR	95% Confidence intervals
ALL CAUSES	16512	18022.8	0.92	[0.90 - 0.93]
ALL MALIGNANT NEOPLASMS (140-208)	3909	4218.15	0.93	[0.90 - 0.96]
Oral cavity & pharynx (140-149)	77	103.91	0.74	[0.58 - 0.93]
Oral cavity (141,143-145)	33	41.44	0.80	[0.55 - 1.12]
Nasopharynx (147)	4	7.19	0.56	[0.15 - 1.42]
Oesophagus (150)	80	112.08	0.71	[0.57 - 0.89]
Stomach (151)	365	442.36	0.83	[0.74 - 0.91]
Colon (153)	264	273.68	0.96	[0.85 - 1.09]
Rectum (154)	166	189.11	0.88	[0.75 - 1.02]
Liver (155)	64	88.44	0.72	[0.56 - 0.92]
Gallbladder (156)	32	32.37	0.99	[0.68 - 1.40]
Pancreas (157)	210	217.11	0.97	[0.84 - 1.11]
Peritoneum and other unspecified organs(158-159)	18	22.46	0.80	[0.47 - 1.27]
Nose & sinuses (160)	13	14.11	0.92	[0.49 - 1.58]
Larynx (161)	60	62.02	0.97	[0.74 - 1.25]
Lung (162)	1093	1089.44	1.00	[0.94 - 1.06]
Pleura (163)	31	18.19	1.70	[1.16 - 2.42]
Other respiratory organs (164-165)	16	11.31	1.41	[0.81 - 2.30]
Bone (170)	9	17.61	0.51	[0.23 - 0.97]
Soft tissue (171)	18	16.98	1.06	[0.63 - 1.67]
Melanoma (172)	62	63.28	0.98	[0.75 - 1.26]
Other skin (173)	7	12.66	0.55	[0.22 - 1.14]
Breast (174-175)	3	3.89	0.77	[0.16 - 2.25]
Cervix uteri (180)	0	-	-	-
Corpus uteri & uterus unspecified (179,181-182)	0	-	-	-
Ovary (183)	0	-	-	-
Other female genital organs (184)	0	-	-	-
Prostate (185)	363	407.25	0.89	[0.80 - 0.99]
Testis (186)	16	20.58	0.78	[0.44 - 1.26]
Other male genital organs (187)	13	5.44	2.39	[1.27 - 4.09]
Bladder (188)	154	150.62	1.02	[0.87 - 1.20]
Kidney (189)	111	120.74	0.92	[0.76 - 1.11]
Eye (190)	4	6.23	0.64	[0.17 - 1.64]
Brain (191-192)	96	116.09	0.83	[0.67 - 1.01]
Thyroid (193)	9	11.35	0.79	[0.36 - 1.51]
Other endocrine glands (194)	4	5.75	0.70	[0.19 - 1.78]
Ill defined (195,199)	181	186.91	0.97	[0.83 - 1.12]
Lymphatic & hematopoietic tissue (200-208)	322	344.93	0.93	[0.83 - 1.04]
Non-Hodgkins lymphoma (200,202)	101	100.57	1.00	[0.82 - 1.22]
Hodgkins disease (201)	32	32.73	0.98	[0.67 - 1.38]
Multiple myeloma (203)	64	67.89	0.94	[0.73 - 1.20]
Leukemia & aleukemia (204-208)	125	139.76	0.89	[0.74 - 1.07]
Lymphoid leukemia (204)	27	36.39	0.74	[0.49 - 1.08]
Myeloid leukemia (205)	52	56.55	0.92	[0.69 - 1.21]
BENIGN NEOPLASMS (210-239)	64	77.9	0.82	[0.63 - 1.05]
DIS. OF ENDOCRINE SYSTEM & BLOOD (240-289)	226	286.85	0.79	[0.69 - 0.90]
MENTAL DISORDERS (290-319)	146	186.08	0.78	[0.66 - 0.92]
DIS. OF NERVOUS SYSTEM (320-389)	200	236.46	0.85	[0.73 - 0.97]
DIS. OF CIRCULATORY SYSTEM (390-459)	7711	8179.8	0.94	[0.92 - 0.96]
Hypertension (401-405)	140	178.92	0.78	[0.66 - 0.92]
Ischaemic heart disease (410-414)	4843	5174.81	0.94	[0.91 - 0.96]
Cerebrovascular (430-438)	1339	1525.67	0.88	[0.83 - 0.93]
Other heart diseases (4150,4152-4299)	553	686.42	0.81	[0.74 - 0.88]
DIS. OF RESPIRATORY SYSTEM (460-519)	961	1210.08	0.79	[0.74 - 0.85]
Influenza (487)	26	37.36	0.70	[0.45 - 1.02]
Pneumonia (480-486)	367	523.31	0.70	[0.63 - 0.78]
Bronchitis,emphysema & asthma (490-493)	393	443.53	0.89	[0.80 - 0.98]
Pneumoconioses (500-508)	9	17.54	0.51	[0.23 - 0.97]
DIS. OF DIGESTIVE SYSTEM (520-579)	569	652.16	0.87	[0.80 - 0.95]
Liver cirrhosis (571)	241	255.68	0.94	[0.83 - 1.07]
DIS. OF GENITO-URINARY SYSTEM (580-629)	188	248.25	0.76	[0.65 - 0.87]
Nephritis & nephrosis (580-589)	70	104.44	0.67	[0.52 - 0.85]
DIS. OF THE SKIN (680-739)	44	52.57	0.84	[0.61 - 1.12]
SYMPTOMS AND ILL-DEFINED CONDITIONS (780-799)	481	561.58	0.86	[0.78 - 0.94]
EXTERNAL CAUSES (E800-999)	1571	1864.27	0.84	[0.80 - 0.89]
Traffic accident (E810-819)	271	381.39	0.71	[0.63 - 0.80]
Suicide (E950-959)	422	550.28	0.77	[0.70 - 0.84]
Homicide (E960-969)	36	60.04	0.60	[0.42 - 0.83]
Other external causes (E800-807,E820-949,E970-999)	842	872.59	0.96	[0.90 - 1.03]
UNKNOWN CAUSES	119			
OTHER CAUSES	323			

Table 2.1.2
Mortality by cause

TOTAL COHORT

Women

Causes of death (ICD 9th.revision)	Observed	Expected	SMR	95% Confidence intervals
ALL CAUSES	2010	2244.59	0.90	[0.86 - 0.94]
ALL MALIGNANT NEOPLASMS (140-208)	597	622.35	0.96	[0.88 - 1.04]
Oral cavity & pharynx (140-149)	4	6.2	0.65	[0.18 - 1.65]
Oral cavity (141,143-145)	4	2.89	1.38	[0.38 - 3.54]
Nasopharynx (147)	0	0.52	0.00	[0.00 - 7.03]
Oesophagus (150)	5	8.59	0.58	[0.19 - 1.36]
Stomach (151)	40	47.54	0.84	[0.60 - 1.15]
Colon (153)	34	46.9	0.73	[0.50 - 1.01]
Rectum (154)	23	24.35	0.94	[0.60 - 1.42]
Liver (155)	11	11.71	0.94	[0.47 - 1.68]
Gallbladder (156)	7	11.67	0.60	[0.24 - 1.24]
Pancreas (157)	34	31.76	1.07	[0.74 - 1.50]
Peritoneum and other unspecified organs(158-159)	3	5.3	0.57	[0.12 - 1.65]
Nose & sinuses (160)	0	0.99	0.00	[0.00 - 3.72]
Larynx (161)	1	1.17	0.86	[0.02 - 4.77]
Lung (162)	72	54.68	1.32	[1.03 - 1.66]
Pleura (163)	5	1.1	4.53	[1.47 - 10.6]
Other respiratory organs (164-165)	0	0.95	0.00	[0.00 - 3.89]
Bone (170)	0	2.25	0.00	[0.00 - 1.64]
Soft tissue (171)	7	2.75	2.55	[1.03 - 5.25]
Melanoma (172)	8	8.97	0.89	[0.39 - 1.76]
Other skin (173)	2	1.53	1.31	[0.16 - 4.73]
Breast (174-175)	106	117.79	0.90	[0.74 - 1.09]
Cervix uteri (180)	30	31.36	0.96	[0.65 - 1.37]
Corpus uteri & uterus unspecified (179,181-182)	18	21.35	0.84	[0.50 - 1.33]
Ovary (183)	45	47.13	0.95	[0.70 - 1.28]
Other female genital organs (184)	5	4.83	1.03	[0.34 - 2.41]
Prostate (185)	0	-	-	-
Testis (186)	0	-	-	-
Other male genital organs (187)	0	-	-	-
Bladder (188)	9	8.62	1.04	[0.48 - 1.98]
Kidney (189)	12	14.14	0.85	[0.44 - 1.48]
Eye (190)	0	1.05	0.00	[0.00 - 3.52]
Brain (191-192)	20	17.1	1.17	[0.71 - 1.81]
Thyroid (193)	1	3.71	0.27	[0.01 - 1.50]
Other endocrine glands (194)	1	0.99	1.01	[0.03 - 5.61]
Ill defined (195,199)	33	28.53	1.16	[0.80 - 1.62]
Lymphatic & hematopoietic tissue (200-208)	40	49.1	0.81	[0.58 - 1.11]
Non-Hodgkins lymphoma (200,202)	10	14.31	0.70	[0.33 - 1.28]
Hodgkins disease (201)	5	4.29	1.17	[0.38 - 2.72]
Multiple myeloma (203)	7	9.84	0.71	[0.29 - 1.47]
Leukemia & aleukemia (204-208)	18	20.07	0.90	[0.53 - 1.42]
Lymphoid leukemia (204)	1	4.12	0.24	[0.01 - 1.35]
Myeloid leukemia (205)	6	9.03	0.66	[0.24 - 1.45]
BENIGN NEOPLASMS (210-239)	7	13.5	0.52	[0.21 - 1.07]
DIS. OF ENDOCRINE SYSTEM & BLOOD (240-289)	49	53.78	0.91	[0.67 - 1.20]
MENTAL DISORDERS (290-319)	11	35.79	0.31	[0.15 - 0.55]
DIS. OF NERVOUS SYSTEM (320-389)	37	39.18	0.94	[0.66 - 1.30]
DIS. OF CIRCULATORY SYSTEM (390-459)	891	982.33	0.91	[0.85 - 0.97]
Hypertension (401-405)	29	34.95	0.83	[0.56 - 1.19]
Ischaemic heart disease (410-414)	430	458.43	0.94	[0.85 - 1.03]
Cerebrovascular (430-438)	232	284.09	0.82	[0.71 - 0.93]
Other heart diseases (4150,4152-4299)	91	110.75	0.82	[0.66 - 1.01]
DIS. OF RESPIRATORY SYSTEM (460-519)	122	138.74	0.88	[0.73 - 1.05]
Influenza (487)	9	7.1	1.27	[0.58 - 2.41]
Pneumonia (480-486)	72	78.24	0.92	[0.72 - 1.16]
Bronchitis,emphysema & asthma (490-493)	27	35.54	0.76	[0.50 - 1.11]
Pneumoconioses (500-508)	1	0.45	2.24	[0.06 - 12.5]
DIS. OF DIGESTIVE SYSTEM (520-579)	61	80.91	0.75	[0.58 - 0.97]
Liver cirrhosis (571)	15	21.25	0.71	[0.40 - 1.16]
DIS. OF GENITO-URINARY SYSTEM (580-629)	39	40.01	0.97	[0.69 - 1.33]
Nephritis & nephrosis (580-589)	12	15	0.80	[0.41 - 1.40]
DIS. OF THE SKIN (680-739)	14	18.51	0.76	[0.41 - 1.27]
SYMPTOMS AND ILL-DEFINED CONDITIONS (780-799)	25	43.64	0.57	[0.37 - 0.85]
EXTERNAL CAUSES (E800-999)	113	138.57	0.82	[0.67 - 0.98]
Traffic accident (E810-819)	21	25.78	0.81	[0.50 - 1.25]
Suicide (E950-959)	22	46.23	0.48	[0.30 - 0.72]
Homicide (E960-969)	2	4.55	0.44	[0.05 - 1.59]
Other external causes (E800-807,E820-949,E970-999)	68	62.03	1.10	[0.85 - 1.39]
UNKNOWN CAUSES	11			
OTHER CAUSES	33			

Table 2.1.3
Mortality by cause

TOTAL COHORT Excluding Brazil,South Africa

Causes of death (ICD 9th.revision)	Observed	Expected	SMR	95% Confidence intervals
ALL CAUSES	18313	19999.3	0.92	[0.90 - 0.93]
ALL MALIGNANT NEOPLASMS (140-208)	4476	4816.3	0.93	[0.90 - 0.96]
Oral cavity & pharynx (140-149)	80	108.57	0.74	[0.58 - 0.92]
Oral cavity (141,143-145)	36	44.33	0.81	[0.57 - 1.12]
Nasopharynx (147)	4	7.71	0.52	[0.14 - 1.33]
Oesophagus (150)	83	118.89	0.70	[0.56 - 0.87]
Stomach (151)	405	486.27	0.83	[0.75 - 0.92]
Colon (153)	298	319.91	0.93	[0.83 - 1.04]
Rectum (154)	188	213.04	0.88	[0.76 - 1.02]
Liver (155)	75	97.43	0.77	[0.61 - 0.96]
Gallbladder (156)	38	44.04	0.86	[0.61 - 1.18]
Pancreas (157)	244	248.88	0.98	[0.86 - 1.11]
Peritoneum and other unspecified organs(158-159)	21	27.76	0.76	[0.47 - 1.16]
Nose & sinuses (160)	13	15.1	0.86	[0.46 - 1.47]
Larynx (161)	59	62.19	0.95	[0.72 - 1.22]
Lung (162)	1152	1140.53	1.01	[0.95 - 1.07]
Pleura (163)	36	19.3	1.87	[1.31 - 2.58]
Other respiratory organs (164-165)	15	12.26	1.22	[0.68 - 2.02]
Bone (170)	7	19.51	0.36	[0.14 - 0.74]
Soft tissue (171)	25	19.73	1.27	[0.82 - 1.87]
Melanoma (172)	69	71.98	0.96	[0.75 - 1.21]
Other skin (173)	9	14.19	0.63	[0.29 - 1.20]
Breast (174-175)	109	121.26	0.90	[0.74 - 1.08]
Cervix uteri (180)	30	31.09	0.97	[0.65 - 1.38]
Corpus uteri & uterus unspecified (179,181-182)	18	21.18	0.85	[0.50 - 1.34]
Ovary (183)	45	47.13	0.95	[0.70 - 1.28]
Other female genital organs (184)	5	4.83	1.03	[0.34 - 2.41]
Prostate (185)	363	406.64	0.89	[0.80 - 0.99]
Testis (186)	16	20.58	0.78	[0.44 - 1.26]
Other male genital organs (187)	12	5.44	2.21	[1.14 - 3.85]
Bladder (188)	163	158.91	1.03	[0.87 - 1.20]
Kidney (189)	122	134.88	0.90	[0.75 - 1.08]
Eye (190)	4	7.28	0.55	[0.15 - 1.41]
Brain (191-192)	116	133.19	0.87	[0.72 - 1.04]
Thyroid (193)	10	15.05	0.66	[0.32 - 1.22]
Other endocrine glands (194)	5	6.75	0.74	[0.24 - 1.73]
Ill defined (195,199)	214	215.44	0.99	[0.86 - 1.14]
Lymphatic & hematopoietic tissue (200-208)	358	391.7	0.91	[0.82 - 1.01]
Non-Hodgkins lymphoma (200,202)	110	114.88	0.96	[0.79 - 1.15]
Hodgkins disease (201)	37	37.02	1.00	[0.70 - 1.38]
Multiple myeloma (203)	70	77.73	0.90	[0.70 - 1.14]
Leukemia & aleukemia (204-208)	141	158.68	0.89	[0.75 - 1.05]
Lymphoid leukemia (204)	28	40.52	0.69	[0.46 - 1.00]
Myeloid leukemia (205)	56	65.58	0.85	[0.65 - 1.11]
BENIGN NEOPLASMS (210-239)	71	90.87	0.78	[0.61 - 0.99]
DIS. OF ENDOCRINE SYSTEM & BLOOD (240-289)	269	334.43	0.80	[0.71 - 0.91]
MENTAL DISORDERS (290-319)	157	219.07	0.72	[0.61 - 0.84]
DIS. OF NERVOUS SYSTEM (320-389)	236	272.45	0.87	[0.76 - 0.98]
DIS. OF CIRCULATORY SYSTEM (390-459)	8574	9096.1	0.94	[0.92 - 0.96]
Hypertension (401-405)	169	209.04	0.81	[0.69 - 0.94]
Ischaemic heart disease (410-414)	5263	5611.99	0.94	[0.91 - 0.96]
Cerebrovascular (430-438)	1560	1787.81	0.87	[0.83 - 0.92]
Other heart diseases (4150,4152-4299)	637	782.04	0.81	[0.75 - 0.88]
DIS. OF RESPIRATORY SYSTEM (460-519)	1073	1335.27	0.80	[0.76 - 0.85]
Influenza (487)	35	44.44	0.79	[0.55 - 1.10]
Pneumonia (480-486)	438	595.72	0.74	[0.67 - 0.81]
Bronchitis,emphysema & asthma (490-493)	419	477.31	0.88	[0.80 - 0.97]
Pneumoconioses (500-508)	10	17.99	0.56	[0.27 - 1.02]
DIS. OF DIGESTIVE SYSTEM (520-579)	615	714.59	0.86	[0.79 - 0.93]
Liver cirrhosis (571)	247	266.4	0.93	[0.82 - 1.05]
DIS. OF GENITO-URINARY SYSTEM (580-629)	223	284.9	0.78	[0.68 - 0.89]
Nephritis & nephrosis (580-589)	78	116.71	0.67	[0.53 - 0.83]
DIS. OF THE SKIN (680-739)	57	70.65	0.81	[0.61 - 1.05]
SYMPTOMS AND ILL-DEFINED CONDITIONS (780-799)	495	561.96	0.88	[0.80 - 0.96]
EXTERNAL CAUSES (E800-999)	1650	1930.91	0.85	[0.81 - 0.90]
Traffic accident (E810-819)	286	387.98	0.74	[0.65 - 0.83]
Suicide (E950-959)	442	592.74	0.75	[0.68 - 0.82]
Homicide (E960-969)	36	44.4	0.81	[0.57 - 1.12]
Other external causes (E800-807,E820-949,E970-999)	886	905.83	0.98	[0.91 - 1.04]
UNKNOWN CAUSES	130			
OTHER CAUSES	287			

Table 2.1.4
Mortality by cause

TOTAL COHORT Excluding Brazil,South Africa
Men

Causes of death (ICD 9th.revision)	Observed	Expected	SMR	95% Confidence intervals
ALL CAUSES	16314	17768.4	0.92	[0.90 - 0.93]
ALL MALIGNANT NEOPLASMS (140-208)	3879	4196.1	0.92	[0.90 - 0.95]
Oral cavity & pharynx (140-149)	76	102.39	0.74	[0.58 - 0.93]
Oral cavity (141,143-145)	32	41.44	0.77	[0.53 - 1.09]
Nasopharynx (147)	4	7.19	0.56	[0.15 - 1.42]
Oesophagus (150)	78	110.34	0.71	[0.56 - 0.88]
Stomach (151)	365	438.87	0.83	[0.75 - 0.92]
Colon (153)	264	273.08	0.97	[0.85 - 1.09]
Rectum (154)	165	188.73	0.87	[0.75 - 1.02]
Liver (155)	64	85.93	0.74	[0.57 - 0.95]
Gallbladder (156)	31	32.37	0.96	[0.65 - 1.36]
Pancreas (157)	210	217.11	0.97	[0.84 - 1.11]
Peritoneum and other unspecified organs(158-159)	18	22.46	0.80	[0.47 - 1.27]
Nose & sinuses (160)	13	14.11	0.92	[0.49 - 1.58]
Larynx (161)	58	61.03	0.95	[0.72 - 1.23]
Lung (162)	1080	1085.96	0.99	[0.94 - 1.06]
Pleura (163)	31	18.19	1.70	[1.16 - 2.42]
Other respiratory organs (164-165)	15	11.31	1.33	[0.74 - 2.19]
Bone (170)	7	17.28	0.40	[0.16 - 0.83]
Soft tissue (171)	18	16.98	1.06	[0.63 - 1.67]
Melanoma (172)	61	63.03	0.97	[0.74 - 1.24]
Other skin (173)	7	12.66	0.55	[0.22 - 1.14]
Breast (174-175)	3	3.89	0.77	[0.16 - 2.25]
Cervix uteri (180)	0	-	-	-
Corpus uteri & uterus unspecified (179,181-182)	0	-	-	-
Ovary (183)	0	-	-	-
Other female genital organs (184)	0	-	-	-
Prostate (185)	363	406.64	0.89	[0.80 - 0.99]
Testis (186)	16	20.58	0.78	[0.44 - 1.26]
Other male genital organs (187)	12	5.44	2.21	[1.14 - 3.85]
Bladder (188)	154	150.3	1.02	[0.87 - 1.20]
Kidney (189)	110	120.74	0.91	[0.75 - 1.10]
Eye (190)	4	6.23	0.64	[0.17 - 1.64]
Brain (191-192)	96	116.09	0.83	[0.67 - 1.01]
Thyroid (193)	9	11.35	0.79	[0.36 - 1.51]
Other endocrine glands (194)	4	5.75	0.70	[0.19 - 1.78]
Ill defined (195,199)	181	186.91	0.97	[0.83 - 1.12]
Lymphatic & hematopoietic tissue (200-208)	318	342.77	0.93	[0.83 - 1.04]
Non-Hodgkins lymphoma (200,202)	100	100.57	0.99	[0.81 - 1.21]
Hodgkins disease (201)	32	32.73	0.98	[0.67 - 1.38]
Multiple myeloma (203)	63	67.89	0.93	[0.71 - 1.19]
Leukemia & aleukemia (204-208)	123	138.7	0.89	[0.74 - 1.06]
Lymphoid leukemia (204)	27	36.39	0.74	[0.49 - 1.08]
Myeloid leukemia (205)	50	56.55	0.88	[0.66 - 1.17]
BENIGN NEOPLASMS (210-239)	64	77.42	0.83	[0.64 - 1.06]
DIS. OF ENDOCRINE SYSTEM & BLOOD (240-289)	221	281.18	0.79	[0.69 - 0.90]
MENTAL DISORDERS (290-319)	146	183.34	0.80	[0.67 - 0.94]
DIS. OF NERVOUS SYSTEM (320-389)	199	233.48	0.85	[0.74 - 0.98]
DIS. OF CIRCULATORY SYSTEM (390-459)	7683	8117.8	0.95	[0.93 - 0.97]
Hypertension (401-405)	140	174.48	0.80	[0.67 - 0.95]
Ischaemic heart disease (410-414)	4833	5154.37	0.94	[0.91 - 0.96]
Cerebrovascular (430-438)	1328	1505.3	0.88	[0.84 - 0.93]
Other heart diseases (4150,4152-4299)	546	672.32	0.81	[0.75 - 0.88]
DIS. OF RESPIRATORY SYSTEM (460-519)	952	1197.28	0.80	[0.75 - 0.85]
Influenza (487)	26	37.34	0.70	[0.45 - 1.02]
Pneumonia (480-486)	366	517.78	0.71	[0.64 - 0.78]
Bronchitis,emphysema & asthma (490-493)	392	441.87	0.89	[0.80 - 0.98]
Pneumoconioses (500-508)	9	17.54	0.51	[0.23 - 0.97]
DIS. OF DIGESTIVE SYSTEM (520-579)	556	634.35	0.88	[0.81 - 0.95]
Liver cirrhosis (571)	233	245.4	0.95	[0.83 - 1.08]
DIS. OF GENITO-URINARY SYSTEM (580-629)	184	245.21	0.75	[0.65 - 0.87]
Nephritis & nephrosis (580-589)	66	101.94	0.65	[0.50 - 0.82]
DIS. OF THE SKIN (680-739)	43	52.23	0.82	[0.60 - 1.11]
SYMPTOMS AND ILL-DEFINED CONDITIONS (780-799)	470	520.59	0.90	[0.82 - 0.99]
EXTERNAL CAUSES (E800-999)	1539	1793.74	0.86	[0.82 - 0.90]
Traffic accident (E810-819)	265	362.68	0.73	[0.65 - 0.82]
Suicide (E950-959)	420	546.66	0.77	[0.70 - 0.85]
Homicide (E960-969)	34	40.08	0.85	[0.59 - 1.19]
Other external causes (E800-807,E820-949,E970-999)	820	844.36	0.97	[0.91 - 1.04]
UNKNOWN CAUSES	119			
OTHER CAUSES	259			

Table 2.1.4
Mortality by cause

TOTAL COHORT Excluding Brazil,South Africa
Women

Causes of death (ICD 9th.revision)	Observed	Expected	SMR	95% Confidence intervals
ALL CAUSES	1999	2230.89	0.90	[0.86 - 0.94]
ALL MALIGNANT NEOPLASMS (140-208)	597	620.21	0.96	[0.89 - 1.04]
Oral cavity & pharynx (140-149)	4	6.18	0.65	[0.18 - 1.66]
Oral cavity (141,143-145)	4	2.89	1.38	[0.38 - 3.54]
Nasopharynx (147)	0	0.52	0.00	[0.00 - 7.03]
Oesophagus (150)	5	8.55	0.58	[0.19 - 1.36]
Stomach (151)	40	47.4	0.84	[0.60 - 1.15]
Colon (153)	34	46.83	0.73	[0.50 - 1.01]
Rectum (154)	23	24.31	0.95	[0.60 - 1.42]
Liver (155)	11	11.5	0.96	[0.48 - 1.71]
Gallbladder (156)	7	11.67	0.60	[0.24 - 1.24]
Pancreas (157)	34	31.76	1.07	[0.74 - 1.50]
Peritoneum and other unspecified organs(158-159)	3	5.3	0.57	[0.12 - 1.65]
Nose & sinuses (160)	0	0.99	0.00	[0.00 - 3.72]
Larynx (161)	1	1.16	0.86	[0.02 - 4.82]
Lung (162)	72	54.58	1.32	[1.03 - 1.66]
Pleura (163)	5	1.1	4.53	[1.47 - 10.6]
Other respiratory organs (164-165)	0	0.95	0.00	[0.00 - 3.89]
Bone (170)	0	2.23	0.00	[0.00 - 1.66]
Soft tissue (171)	7	2.75	2.55	[1.03 - 5.25]
Melanoma (172)	8	8.95	0.89	[0.39 - 1.76]
Other skin (173)	2	1.53	1.31	[0.16 - 4.73]
Breast (174-175)	106	117.37	0.90	[0.74 - 1.09]
Cervix uteri (180)	30	31.09	0.97	[0.65 - 1.38]
Corpus uteri & uterus unspecified (179,181-182)	18	21.18	0.85	[0.50 - 1.34]
Ovary (183)	45	47.13	0.95	[0.70 - 1.28]
Other female genital organs (184)	5	4.83	1.03	[0.34 - 2.41]
Prostate (185)	0	-	-	-
Testis (186)	0	-	-	-
Other male genital organs (187)	0	-	-	-
Bladder (188)	9	8.61	1.05	[0.48 - 1.98]
Kidney (189)	12	14.14	0.85	[0.44 - 1.48]
Eye (190)	0	1.05	0.00	[0.00 - 3.52]
Brain (191-192)	20	17.1	1.17	[0.71 - 1.81]
Thyroid (193)	1	3.71	0.27	[0.01 - 1.50]
Other endocrine glands (194)	1	0.99	1.01	[0.03 - 5.61]
Ill defined (195,199)	33	28.53	1.16	[0.80 - 1.62]
Lymphatic & hematopoietic tissue (200-208)	40	48.93	0.82	[0.58 - 1.11]
Non-Hodgkins lymphoma (200,202)	10	14.31	0.70	[0.33 - 1.28]
Hodgkins disease (201)	5	4.29	1.17	[0.38 - 2.72]
Multiple myeloma (203)	7	9.84	0.71	[0.29 - 1.47]
Leukemia & aleukemia (204-208)	18	19.98	0.90	[0.53 - 1.42]
Lymphoid leukemia (204)	1	4.12	0.24	[0.01 - 1.35]
Myeloid leukemia (205)	6	9.03	0.66	[0.24 - 1.45]
BENIGN NEOPLASMS (210-239)	7	13.45	0.52	[0.21 - 1.07]
DIS. OF ENDOCRINE SYSTEM & BLOOD (240-289)	48	53.25	0.90	[0.66 - 1.20]
MENTAL DISORDERS (290-319)	11	35.73	0.31	[0.15 - 0.55]
DIS. OF NERVOUS SYSTEM (320-389)	37	38.97	0.95	[0.67 - 1.31]
DIS. OF CIRCULATORY SYSTEM (390-459)	891	978.3	0.91	[0.85 - 0.97]
Hypertension (401-405)	29	34.56	0.84	[0.56 - 1.21]
Ischaemic heart disease (410-414)	430	457.61	0.94	[0.85 - 1.03]
Cerebrovascular (430-438)	232	282.51	0.82	[0.72 - 0.93]
Other heart diseases (4150,4152-4299)	91	109.71	0.83	[0.67 - 1.02]
DIS. OF RESPIRATORY SYSTEM (460-519)	121	137.99	0.88	[0.73 - 1.05]
Influenza (487)	9	7.1	1.27	[0.58 - 2.41]
Pneumonia (480-486)	72	77.94	0.92	[0.72 - 1.16]
Bronchitis,emphysema & asthma (490-493)	27	35.44	0.76	[0.50 - 1.11]
Pneumoconioses (500-508)	1	0.45	2.24	[0.06 - 12.5]
DIS. OF DIGESTIVE SYSTEM (520-579)	59	80.23	0.74	[0.56 - 0.95]
Liver cirrhosis (571)	14	20.99	0.67	[0.36 - 1.12]
DIS. OF GENITO-URINARY SYSTEM (580-629)	39	39.7	0.98	[0.70 - 1.34]
Nephritis & nephrosis (580-589)	12	14.77	0.81	[0.42 - 1.42]
DIS. OF THE SKIN (680-739)	14	18.42	0.76	[0.42 - 1.27]
SYMPTOMS AND ILL-DEFINED CONDITIONS (780-799)	25	41.37	0.60	[0.39 - 0.89]
EXTERNAL CAUSES (E800-999)	111	137.17	0.81	[0.67 - 0.97]
Traffic accident (E810-819)	21	25.3	0.83	[0.51 - 1.27]
Suicide (E950-959)	22	46.08	0.48	[0.30 - 0.72]
Homicide (E960-969)	2	4.32	0.46	[0.06 - 1.67]
Other external causes (E800-807,E820-949,E970-999)	66	61.47	1.07	[0.83 - 1.37]
UNKNOWN CAUSES	11			
OTHER CAUSES	28			

Table 2.1.5
Mortality by cause

Brazil

Causes of death (ICD 9th.revision)	Observed	Expected	SMR	95% Confidence intervals
ALL CAUSES	95	268.17	0.35	[0.29 - 0.43]
ALL MALIGNANT NEOPLASMS (140-208)	20	24.2	0.83	[0.50 - 1.28]
Oral cavity & pharynx (140-149)	1	1.54	0.65	[0.02 - 3.62]
Oral cavity (141,143-145)	1	-	-	-
Nasopharynx (147)	0	-	-	-
Oesophagus (150)	1	1.78	0.56	[0.01 - 3.13]
Stomach (151)	0	3.63	0.00	[0.00 - 1.02]
Colon (153)	0	0.66	0.00	[0.00 - 5.55]
Rectum (154)	1	0.41	2.42	[0.06 - 13.5]
Liver (155)	0	2.73	0.00	[0.00 - 1.35]
Gallbladder (156)	1	-	-	-
Pancreas (157)	0	-	-	-
Peritoneum and other unspecified organs(158-159)	0	-	-	-
Nose & sinuses (160)	0	-	-	-
Larynx (161)	1	1	1.00	[0.02 - 5.57]
Lung (162)	9	3.59	2.51	[1.15 - 4.76]
Pleura (163)	0	-	-	-
Other respiratory organs (164-165)	0	-	-	-
Bone (170)	2	0.35	5.77	[0.70 - 20.9]
Soft tissue (171)	0	-	-	-
Melanoma (172)	0	0.27	0.00	[0.00 - 13.6]
Other skin (173)	0	-	-	-
Breast (174-175)	0	0.42	0.00	[0.00 - 8.86]
Cervix uteri (180)	0	0.28	0.00	[0.00 - 13.4]
Corpus uteri & uterus unspecified (179,181-182)	0	0.18	0.00	[0.00 - 20.7]
Ovary (183)	0	-	-	-
Other female genital organs (184)	0	-	-	-
Prostate (185)	0	0.62	0.00	[0.00 - 5.99]
Testis (186)	0	-	-	-
Other male genital organs (187)	0	-	-	-
Bladder (188)	0	0.33	0.00	[0.00 - 11.3]
Kidney (189)	0	-	-	-
Eye (190)	0	-	-	-
Brain (191-192)	0	-	-	-
Thyroid (193)	0	-	-	-
Other endocrine glands (194)	0	-	-	-
Ill defined (195,199)	0	-	-	-
Lymphatic & hematopoietic tissue (200-208)	4	2.33	1.72	[0.47 - 4.39]
Non-Hodgkins lymphoma (200,202)	1	-	-	-
Hodgkins disease (201)	0	-	-	-
Multiple myeloma (203)	1	-	-	-
Leukemia & aleukemia (204-208)	2	1.15	1.74	[0.21 - 6.29]
Lymphoid leukemia (204)	0	-	-	-
Myeloid leukemia (205)	2	-	-	-
BENIGN NEOPLASMS (210-239)	0	0.53	0.00	[0.00 - 6.91]
DIS. OF ENDOCRINE SYSTEM & BLOOD (240-289)	2	6.2	0.32	[0.04 - 1.17]
MENTAL DISORDERS (290-319)	0	2.8	0.00	[0.00 - 1.32]
DIS. OF NERVOUS SYSTEM (320-389)	1	3.19	0.31	[0.01 - 1.75]
DIS. OF CIRCULATORY SYSTEM (390-459)	20	66.03	0.30	[0.19 - 0.47]
Hypertension (401-405)	0	4.83	0.00	[0.00 - 0.76]
Ischaemic heart disease (410-414)	7	21.25	0.33	[0.13 - 0.68]
Cerebrovascular (430-438)	8	21.95	0.36	[0.16 - 0.72]
Other heart diseases (4150,4152-4299)	5	15.13	0.33	[0.11 - 0.77]
DIS. OF RESPIRATORY SYSTEM (460-519)	7	13.55	0.52	[0.21 - 1.06]
Influenza (487)	0	0.02	0.00	[0.00 - 0.200]
Pneumonia (480-486)	0	5.82	0.00	[0.00 - 0.63]
Bronchitis,emphysema & asthma (490-493)	1	1.77	0.56	[0.01 - 3.15]
Pneumoconioses (500-508)	0	-	-	-
DIS. OF DIGESTIVE SYSTEM (520-579)	7	18.48	0.38	[0.15 - 0.78]
Liver cirrhosis (571)	3	10.53	0.28	[0.06 - 0.83]
DIS. OF GENITO-URINARY SYSTEM (580-629)	0	3.36	0.00	[0.00 - 1.10]
Nephritis & nephrosis (580-589)	0	2.73	0.00	[0.00 - 1.35]
DIS. OF THE SKIN (680-739)	1	0.43	2.31	[0.06 - 12.9]
SYMPTOMS AND ILL-DEFINED CONDITIONS (780-799)	7	43.25	0.16	[0.07 - 0.33]
EXTERNAL CAUSES (E800-999)	26	71.93	0.36	[0.24 - 0.53]
Traffic accident (E810-819)	1	19.19	0.05	[0.00 - 0.29]
Suicide (E950-959)	2	3.77	0.53	[0.06 - 1.92]
Homicide (E960-969)	2	20.19	0.10	[0.01 - 0.36]
Other external causes (E800-807,E820-949,E970-999)	21	28.79	0.73	[0.45 - 1.11]
UNKNOWN CAUSES	0	-	-	-
OTHER CAUSES	4	-	-	-

Table 2.1.5
Mortality by cause

Brazil
Men

Causes of death (ICD 9th.revision)	Observed	Expected	SMR	95% Confidence intervals
ALL CAUSES	90	254.48	0.35	[0.28 - 0.43]
ALL MALIGNANT NEOPLASMS (140-208)	20	22.06	0.91	[0.55 - 1.40]
Oral cavity & pharynx (140-149)	1	1.51	0.66	[0.02 - 3.68]
Oral cavity (141,143-145)	1	-	-	-
Nasopharynx (147)	0	-	-	-
Oesophagus (150)	1	1.74	0.57	[0.01 - 3.20]
Stomach (151)	0	3.49	0.00	[0.00 - 1.06]
Colon (153)	0	0.6	0.00	[0.00 - 6.14]
Rectum (154)	1	0.37	2.68	[0.07 - 15.0]
Liver (155)	0	2.51	0.00	[0.00 - 1.47]
Gallbladder (156)	1	-	-	-
Pancreas (157)	0	-	-	-
Peritoneum and other unspecified organs(158-159)	0	-	-	-
Nose & sinuses (160)	0	-	-	-
Larynx (161)	1	0.99	1.01	[0.03 - 5.63]
Lung (162)	9	3.48	2.59	[1.18 - 4.91]
Pleura (163)	0	-	-	-
Other respiratory organs (164-165)	0	-	-	-
Bone (170)	2	0.33	6.15	[0.74 - 22.2]
Soft tissue (171)	0	-	-	-
Melanoma (172)	0	0.25	0.00	[0.00 - 14.6]
Other skin (173)	0	-	-	-
Breast (174-175)	0	-	-	-
Cervix uteri (180)	0	-	-	-
Corpus uteri & uterus unspecified (179,181-182)	0	-	-	-
Ovary (183)	0	-	-	-
Other female genital organs (184)	0	-	-	-
Prostate (185)	0	0.62	0.00	[0.00 - 5.99]
Testis (186)	0	-	-	-
Other male genital organs (187)	0	-	-	-
Bladder (188)	0	0.31	0.00	[0.00 - 11.7]
Kidney (189)	0	-	-	-
Eye (190)	0	-	-	-
Brain (191-192)	0	-	-	-
Thyroid (193)	0	-	-	-
Other endocrine glands (194)	0	-	-	-
Ill defined (195,199)	0	-	-	-
Lymphatic & hematopoeitic tissue (200-208)	4	2.17	1.85	[0.50 - 4.73]
Non-Hodgkins lymphoma (200,202)	1	-	-	-
Hodgkins disease (201)	0	-	-	-
Multiple myeloma (203)	1	-	-	-
Leukemia & aleukemia (204-208)	2	1.05	1.90	[0.23 - 6.86]
Lymphoid leukemia (204)	0	-	-	-
Myeloid leukemia (205)	2	-	-	-
BENIGN NEOPLASMS (210-239)	0	0.48	0.00	[0.00 - 7.62]
DIS. OF ENDOCRINE SYSTEM & BLOOD (240-289)	1	5.67	0.18	[0.00 - 0.98]
MENTAL DISORDERS (290-319)	0	2.74	0.00	[0.00 - 1.34]
DIS. OF NERVOUS SYSTEM (320-389)	1	2.98	0.34	[0.01 - 1.87]
DIS. OF CIRCULATORY SYSTEM (390-459)	20	62	0.32	[0.20 - 0.50]
Hypertension (401-405)	0	4.44	0.00	[0.00 - 0.83]
Ischaemic heart disease (410-414)	7	20.44	0.34	[0.14 - 0.71]
Cerebrovascular (430-438)	8	20.37	0.39	[0.17 - 0.77]
Other heart diseases (4150,4152-4299)	5	14.09	0.35	[0.12 - 0.83]
DIS. OF RESPIRATORY SYSTEM (460-519)	6	12.8	0.47	[0.17 - 1.02]
Influenza (487)	0	0.02	0.00	[0.00 - 0.221]
Pneumonia (480-486)	0	5.52	0.00	[0.00 - 0.67]
Bronchitis,emphysema & asthma (490-493)	1	1.67	0.60	[0.02 - 3.35]
Pneumoconioses (500-508)	0	-	-	-
DIS. OF DIGESTIVE SYSTEM (520-579)	6	17.8	0.34	[0.12 - 0.73]
Liver cirrhosis (571)	2	10.27	0.19	[0.02 - 0.70]
DIS. OF GENITO-URINARY SYSTEM (580-629)	0	3.05	0.00	[0.00 - 1.21]
Nephritis & nephrosis (580-589)	0	2.5	0.00	[0.00 - 1.47]
DIS. OF THE SKIN (680-739)	1	0.35	2.89	[0.07 - 16.1]
SYMPTOMS AND ILL-DEFINED CONDITIONS (780-799)	7	40.98	0.17	[0.07 - 0.35]
EXTERNAL CAUSES (E800-999)	24	70.53	0.34	[0.22 - 0.51]
Traffic accident (E810-819)	1	18.71	0.05	[0.00 - 0.30]
Suicide (E950-959)	2	3.62	0.55	[0.07 - 2.00]
Homicide (E960-969)	2	19.96	0.10	[0.01 - 0.36]
Other external causes (E800-807,E820-949,E970-999)	19	28.24	0.67	[0.41 - 1.05]
UNKNOWN CAUSES	0	-	-	-
OTHER CAUSES	4	-	-	-

Table 2.1.5
Mortality by cause

Brazil
Women

Causes of death (ICD 9th.revision)	Observed	Expected	SMR	95% Confidence intervals
ALL CAUSES	5	13.69	0.37	[0.12 - 0.85]
ALL MALIGNANT NEOPLASMS (140-208)	0	2.14	0.00	[0.00 - 1.72]
Oral cavity & pharynx (140-149)	0	0.02	0.00	[0.00 - 0.152]
Oral cavity (141,143-145)	0	-	-	-
Nasopharynx (147)	0	-	-	-
Oesophagus (150)	0	0.04	0.00	[0.00 - 98.0]
Stomach (151)	0	0.15	0.00	[0.00 - 25.4]
Colon (153)	0	0.06	0.00	[0.00 - 57.7]
Rectum (154)	0	0.04	0.00	[0.00 - 92.7]
Liver (155)	0	0.21	0.00	[0.00 - 17.2]
Gallbladder (156)	0	-	-	-
Pancreas (157)	0	-	-	-
Peritoneum and other unspecified organs(158-159)	0	-	-	-
Nose & sinuses (160)	0	-	-	-
Larynx (161)	0	0.01	0.00	[0.00 - 0318]
Lung (162)	0	0.11	0.00	[0.00 - 33.9]
Pleura (163)	0	-	-	-
Other respiratory organs (164-165)	0	-	-	-
Bone (170)	0	0.02	0.00	[0.00 - 0173]
Soft tissue (171)	0	-	-	-
Melanoma (172)	0	0.02	0.00	[0.00 - 0200]
Other skin (173)	0	-	-	-
Breast (174-175)	0	0.42	0.00	[0.00 - 8.86]
Cervix uteri (180)	0	0.28	0.00	[0.00 - 13.4]
Corpus uteri & uterus unspecified (179,181-182)	0	0.18	0.00	[0.00 - 20.7]
Ovary (183)	0	-	-	-
Other female genital organs (184)	0	-	-	-
Prostate (185)	0	-	-	-
Testis (186)	0	-	-	-
Other male genital organs (187)	0	-	-	-
Bladder (188)	0	0.01	0.00	[0.00 - 0341]
Kidney (189)	0	-	-	-
Eye (190)	0	-	-	-
Brain (191-192)	0	-	-	-
Thyroid (193)	0	-	-	-
Other endocrine glands (194)	0	-	-	-
Ill defined (195,199)	0	-	-	-
Lymphatic & hematopoeitic tissue (200-208)	0	0.16	0.00	[0.00 - 22.4]
Non-Hodgkins lymphoma (200,202)	0	-	-	-
Hodgkins disease (201)	0	-	-	-
Multiple myeloma (203)	0	-	-	-
Leukemia & aleukemia (204-208)	0	0.1	0.00	[0.00 - 38.5]
Lymphoid leukemia (204)	0	-	-	-
Myeloid leukemia (205)	0	-	-	-
BENIGN NEOPLASMS (210-239)	0	0.05	0.00	[0.00 - 74.2]
DIS. OF ENDOCRINE SYSTEM & BLOOD (240-289)	1	0.53	1.90	[0.05 - 10.6]
MENTAL DISORDERS (290-319)	0	0.06	0.00	[0.00 - 65.5]
DIS. OF NERVOUS SYSTEM (320-389)	0	0.21	0.00	[0.00 - 17.6]
DIS. OF CIRCULATORY SYSTEM (390-459)	0	4.04	0.00	[0.00 - 0.91]
Hypertension (401-405)	0	0.39	0.00	[0.00 - 9.34]
Ischaemic heart disease (410-414)	0	0.81	0.00	[0.00 - 4.54]
Cerebrovascular (430-438)	0	1.58	0.00	[0.00 - 2.34]
Other heart diseases (4150,4152-4299)	0	1.04	0.00	[0.00 - 3.56]
DIS. OF RESPIRATORY SYSTEM (460-519)	1	0.75	1.33	[0.03 - 7.41]
Influenza (487)	0	-	-	-
Pneumonia (480-486)	0	0.3	0.00	[0.00 - 12.4]
Bronchitis,emphysema & asthma (490-493)	0	0.1	0.00	[0.00 - 35.2]
Pneumoconioses (500-508)	0	-	-	-
DIS. OF DIGESTIVE SYSTEM (520-579)	1	0.67	1.48	[0.04 - 8.27]
Liver cirrhosis (571)	1	0.25	3.94	[0.10 - 21.9]
DIS. OF GENITO-URINARY SYSTEM (580-629)	0	0.31	0.00	[0.00 - 11.7]
Nephritis & nephrosis (580-589)	0	0.23	0.00	[0.00 - 16.4]
DIS. OF THE SKIN (680-739)	0	0.09	0.00	[0.00 - 42.3]
SYMPTOMS AND ILL-DEFINED CONDITIONS (780-799)	0	2.27	0.00	[0.00 - 1.62]
EXTERNAL CAUSES (E800-999)	2	1.41	1.42	[0.17 - 5.14]
Traffic accident (E810-819)	0	0.47	0.00	[0.00 - 7.79]
Suicide (E950-959)	0	0.15	0.00	[0.00 - 24.5]
Homicide (E960-969)	0	0.23	0.00	[0.00 - 16.3]
Other external causes (E800-807,E820-949,E970-999)	2	0.56	3.60	[0.44 - 13.0]
UNKNOWN CAUSES	0	-	-	-
OTHER CAUSES	0	-	-	-

Table 2.1.6
Mortality by cause

Denmark

Causes of death (ICD 9th.revision)	Observed	Expected	SMR	95% Confidence intervals
ALL CAUSES	3022	2946.26	1.03	[0.99 - 1.06]
ALL MALIGNANT NEOPLASMS (140-208)	811	808.93	1.00	[0.93 - 1.07]
Oral cavity & pharynx (140-149)	23	13.72	1.68	[1.06 - 2.52]
Oral cavity (141,143-145)	10	6.29	1.59	[0.76 - 2.92]
Nasopharynx (147)	1	1.32	0.76	[0.02 - 4.21]
Oesophagus (150)	10	17.25	0.58	[0.28 - 1.07]
Stomach (151)	50	52.23	0.96	[0.71 - 1.26]
Colon (153)	56	62.68	0.89	[0.67 - 1.16]
Rectum (154)	40	42.84	0.93	[0.67 - 1.27]
Liver (155)	9	11.53	0.78	[0.36 - 1.48]
Gallbladder (156)	14	7.16	1.95	[1.07 - 3.28]
Pancreas (157)	41	40.76	1.01	[0.72 - 1.36]
Peritoneum and other unspecified organs(158-159)	3	3.88	0.77	[0.16 - 2.26]
Nose & sinuses (160)	2	1.37	1.46	[0.18 - 5.29]
Larynx (161)	14	8.8	1.59	[0.87 - 2.67]
Lung (162)	236	219.36	1.08	[0.94 - 1.22]
Pleura (163)	7	4.08	1.71	[0.69 - 3.53]
Other respiratory organs (164-165)	3	2.66	1.13	[0.23 - 3.29]
Bone (170)	1	2.65	0.38	[0.01 - 2.10]
Soft tissue (171)	6	2.47	2.43	[0.89 - 5.29]
Melanoma (172)	13	12.08	1.08	[0.57 - 1.84]
Other skin (173)	0	2.1	0.00	[0.00 - 1.76]
Breast (174-175)	20	26.59	0.75	[0.46 - 1.16]
Cervix uteri (180)	5	7.9	0.63	[0.21 - 1.48]
Corpus uteri & uterus unspecified (179,181-182)	3	3.95	0.76	[0.16 - 2.22]
Ovary (183)	12	10.35	1.16	[0.60 - 2.03]
Other female genital organs (184)	1	0.76	1.31	[0.03 - 7.30]
Prostate (185)	55	57.43	0.96	[0.72 - 1.25]
Testis (186)	3	4.89	0.61	[0.13 - 1.79]
Other male genital organs (187)	4	1.11	3.59	[0.98 - 9.20]
Bladder (188)	34	35.75	0.95	[0.66 - 1.33]
Kidney (189)	17	24.11	0.71	[0.41 - 1.13]
Eye (190)	1	1.23	0.82	[0.02 - 4.54]
Brain (191-192)	15	24.07	0.62	[0.35 - 1.03]
Thyroid (193)	2	2.38	0.84	[0.10 - 3.03]
Other endocrine glands (194)	1	1.37	0.73	[0.02 - 4.05]
Ill defined (195,199)	35	32.43	1.08	[0.75 - 1.50]
Lymphatic & heamatopoeitic tissue (200-208)	62	60.66	1.02	[0.78 - 1.31]
Non-Hodgkins lymphoma (200,202)	22	17.38	1.27	[0.79 - 1.92]
Hodgkins disease (201)	9	5.6	1.61	[0.73 - 3.05]
Multiple myeloma (203)	12	10.76	1.12	[0.58 - 1.95]
Leukemia & aleukemia (204-208)	19	27.03	0.70	[0.42 - 1.10]
Lymphoid leukemia (204)	5	8.5	0.59	[0.19 - 1.37]
Myeloid leukemia (205)	12	11.94	1.00	[0.52 - 1.76]
BENIGN NEOPLASMS (210-239)	13	15	0.87	[0.46 - 1.48]
DIS. OF ENDOCRINE SYSTEM & BLOOD (240-289)	49	56.07	0.87	[0.65 - 1.16]
MENTAL DISORDERS (290-319)	32	21.49	1.49	[1.02 - 2.10]
DIS. OF NERVOUS SYSTEM (320-389)	25	33.29	0.75	[0.49 - 1.11]
DIS. OF CIRCULATORY SYSTEM (390-459)	1250	1266.71	0.99	[0.93 - 1.04]
Hypertension (401-405)	24	21.33	1.13	[0.72 - 1.67]
Ischaemic heart disease (410-414)	849	839.42	1.01	[0.94 - 1.08]
Cerebrovascular (430-438)	198	212.3	0.93	[0.81 - 1.07]
Other heart diseases (4150,4152-4299)	74	88.45	0.84	[0.66 - 1.05]
DIS. OF RESPIRATORY SYSTEM (460-519)	186	187.41	0.99	[0.85 - 1.15]
Influenza (487)	9	6.49	1.39	[0.63 - 2.63]
Pneumonia (480-486)	46	49.52	0.93	[0.68 - 1.24]
Bronchitis,emphysema & asthma (490-493)	118	115.26	1.02	[0.85 - 1.23]
Pneumoconioses (500-508)	2	2.02	0.99	[0.12 - 3.57]
DIS. OF DIGESTIVE SYSTEM (520-579)	131	110.63	1.18	[0.99 - 1.41]
Liver cirrhosis (571)	72	48.74	1.48	[1.16 - 1.86]
DIS. OF GENITO-URINARY SYSTEM (580-629)	37	41.82	0.88	[0.62 - 1.22]
Nephritis & nephrosis (580-589)	5	6.76	0.74	[0.24 - 1.73]
DIS. OF THE SKIN (680-739)	7	7.86	0.89	[0.36 - 1.84]
SYMPTOMS AND ILL-DEFINED CONDITIONS (780-799)	138	107.4	1.28	[1.08 - 1.52]
EXTERNAL CAUSES (E800-999)	273	262.16	1.04	[0.92 - 1.17]
Traffic accident (E810-819)	53	55.35	0.96	[0.72 - 1.25]
Suicide (E950-959)	114	119.7	0.95	[0.79 - 1.14]
Homicide (E960-969)	6	2.91	2.06	[0.76 - 4.49]
Other external causes (E800-807,E820-949,E970-999)	100	84.21	1.19	[0.97 - 1.44]
UNKNOWN CAUSES	44			
OTHER CAUSES	26			

Table 2.1.6
Mortality by cause

Denmark
Men

Causes of death (ICD 9th.revision)	Observed	Expected	SMR	95% Confidence intervals
ALL CAUSES	2651	2583.81	1.03	[0.99 - 1.07]
ALL MALIGNANT NEOPLASMS (140-208)	678	683.23	0.99	[0.92 - 1.07]
Oral cavity & pharynx (140-149)	22	12.6	1.75	[1.09 - 2.64]
Oral cavity (141,143-145)	9	5.77	1.56	[0.71 - 2.96]
Nasopharynx (147)	1	1.21	0.83	[0.02 - 4.62]
Oesophagus (150)	10	16.19	0.62	[0.30 - 1.14]
Stomach (151)	47	47.01	1.00	[0.73 - 1.33]
Colon (153)	47	51.9	0.91	[0.67 - 1.20]
Rectum (154)	32	37.77	0.85	[0.58 - 1.20]
Liver (155)	8	9.99	0.80	[0.35 - 1.58]
Gallbladder (156)	12	5.31	2.26	[1.17 - 3.95]
Pancreas (157)	36	35	1.03	[0.72 - 1.42]
Peritoneum and other unspecified organs(158-159)	3	3.25	0.92	[0.19 - 2.70]
Nose & sinuses (160)	2	1.24	1.61	[0.20 - 5.82]
Larynx (161)	13	8.47	1.53	[0.82 - 2.62]
Lung (162)	207	203.03	1.02	[0.89 - 1.17]
Pleura (163)	6	3.85	1.56	[0.57 - 3.39]
Other respiratory organs (164-165)	3	2.42	1.24	[0.26 - 3.62]
Bone (170)	1	2.33	0.43	[0.01 - 2.39]
Soft tissue (171)	6	2.08	2.89	[1.06 - 6.29]
Melanoma (172)	10	10.16	0.98	[0.47 - 1.81]
Other skin (173)	0	1.84	0.00	[0.00 - 2.00]
Breast (174-175)	0	0.89	0.00	[0.00 - 4.14]
Cervix uteri (180)	0	-	-	-
Corpus uteri & uterus unspecified (179,181-182)	0	-	-	-
Ovary (183)	0	-	-	-
Other female genital organs (184)	0	-	-	-
Prostate (185)	55	57.43	0.96	[0.72 - 1.25]
Testis (186)	3	4.89	0.61	[0.13 - 1.79]
Other male genital organs (187)	4	1.11	3.59	[0.98 - 9.20]
Bladder (188)	31	33.64	0.92	[0.63 - 1.31]
Kidney (189)	16	20.91	0.77	[0.44 - 1.24]
Eye (190)	1	1.04	0.96	[0.02 - 5.36]
Brain (191-192)	9	20.71	0.43	[0.20 - 0.83]
Thyroid (193)	2	1.83	1.09	[0.13 - 3.95]
Other endocrine glands (194)	0	1.17	0.00	[0.00 - 3.16]
Ill defined (195,199)	29	26.88	1.08	[0.72 - 1.55]
Lymphatic & hematopoeitic tissue (200-208)	51	52.83	0.97	[0.72 - 1.27]
Non-Hodgkins lymphoma (200,202)	19	15.12	1.26	[0.76 - 1.96]
Hodgkins disease (201)	8	4.89	1.63	[0.71 - 3.22]
Multiple myeloma (203)	10	9.32	1.07	[0.51 - 1.97]
Leukemia & aleukemia (204-208)	14	23.6	0.59	[0.32 - 1.00]
Lymphoid leukemia (204)	5	7.69	0.65	[0.21 - 1.52]
Myeloid leukemia (205)	9	10.19	0.88	[0.40 - 1.68]
BENIGN NEOPLASMS (210-239)	13	12.56	1.03	[0.55 - 1.77]
DIS. OF ENDOCRINE SYSTEM & BLOOD (240-289)	46	47.66	0.97	[0.71 - 1.29]
MENTAL DISORDERS (290-319)	31	19.04	1.63	[1.11 - 2.31]
DIS. OF NERVOUS SYSTEM (320-389)	17	28.19	0.60	[0.35 - 0.97]
DIS. OF CIRCULATORY SYSTEM (390-459)	1103	1136.55	0.97	[0.91 - 1.03]
Hypertension (401-405)	18	18.31	0.98	[0.58 - 1.55]
Ischaemic heart disease (410-414)	765	769.04	0.99	[0.93 - 1.07]
Cerebrovascular (430-438)	167	181.05	0.92	[0.79 - 1.07]
Other heart diseases (4150,4152-4299)	63	77.92	0.81	[0.62 - 1.03]
DIS. OF RESPIRATORY SYSTEM (460-519)	162	166.85	0.97	[0.83 - 1.13]
Influenza (487)	6	5.47	1.10	[0.40 - 2.39]
Pneumonia (480-486)	38	43.13	0.88	[0.62 - 1.21]
Bronchitis,emphysema & asthma (490-493)	107	103.59	1.03	[0.85 - 1.25]
Pneumoconioses (500-508)	2	2.02	0.99	[0.12 - 3.58]
DIS. OF DIGESTIVE SYSTEM (520-579)	126	97.06	1.30	[1.08 - 1.55]
Liver cirrhosis (571)	71	44.29	1.60	[1.25 - 2.02]
DIS. OF GENITO-URINARY SYSTEM (580-629)	29	35.14	0.83	[0.55 - 1.19]
Nephritis & nephrosis (580-589)	5	5.68	0.88	[0.29 - 2.06]
DIS. OF THE SKIN (680-739)	6	5.76	1.04	[0.38 - 2.27]
SYMPTOMS AND ILL-DEFINED CONDITIONS (780-799)	126	94.55	1.33	[1.11 - 1.59]
EXTERNAL CAUSES (E800-999)	255	233.51	1.09	[0.96 - 1.23]
Traffic accident (E810-819)	50	50.94	0.98	[0.73 - 1.29]
Suicide (E950-959)	106	105.52	1.00	[0.82 - 1.21]
Homicide (E960-969)	5	2.31	2.16	[0.70 - 5.05]
Other external causes (E800-807,E820-949,E970-999)	94	74.74	1.26	[1.02 - 1.54]
UNKNOWN CAUSES	39			
OTHER CAUSES	20			

Table 2.1.6
Mortality by cause

Denmark
Women

Causes of death (ICD 9th.revision)	Observed	Expected	SMR	95% Confidence intervals
ALL CAUSES	371	362.45	1.02	[0.92 - 1.13]
ALL MALIGNANT NEOPLASMS (140-208)	133	125.7	1.06	[0.89 - 1.25]
Oral cavity & pharynx (140-149)	1	1.12	0.89	[0.02 - 4.98]
Oral cavity (141,143-145)	1	0.53	1.89	[0.05 - 10.5]
Nasopharynx (147)	0	0.12	0.00	[0.00 - 31.9]
Oesophagus (150)	0	1.06	0.00	[0.00 - 3.50]
Stomach (151)	3	5.21	0.58	[0.12 - 1.68]
Colon (153)	9	10.78	0.83	[0.38 - 1.58]
Rectum (154)	8	5.07	1.58	[0.68 - 3.11]
Liver (155)	1	1.54	0.65	[0.02 - 3.63]
Gallbladder (156)	2	1.85	1.08	[0.13 - 3.91]
Pancreas (157)	5	5.76	0.87	[0.28 - 2.03]
Peritoneum and other unspecified organs(158-159)	0	0.63	0.00	[0.00 - 5.82]
Nose & sinuses (160)	0	0.13	0.00	[0.00 - 29.2]
Larynx (161)	1	0.33	3.02	[0.08 - 16.8]
Lung (162)	29	16.34	1.78	[1.19 - 2.55]
Pleura (163)	1	0.24	4.20	[0.11 - 23.4]
Other respiratory organs (164-165)	0	0.24	0.00	[0.00 - 15.3]
Bone (170)	0	0.32	0.00	[0.00 - 11.6]
Soft tissue (171)	0	0.39	0.00	[0.00 - 9.41]
Melanoma (172)	3	1.91	1.57	[0.32 - 4.58]
Other skin (173)	0	0.26	0.00	[0.00 - 14.4]
Breast (174-175)	20	25.7	0.78	[0.48 - 1.20]
Cervix uteri (180)	5	7.9	0.63	[0.21 - 1.48]
Corpus uteri & uterus unspecified (179,181-182)	3	3.95	0.76	[0.16 - 2.22]
Ovary (183)	12	10.35	1.16	[0.60 - 2.03]
Other female genital organs (184)	1	0.76	1.31	[0.03 - 7.30]
Prostate (185)	0	-	-	-
Testis (186)	0	-	-	-
Other male genital organs (187)	0	-	-	-
Bladder (188)	3	2.11	1.42	[0.29 - 4.16]
Kidney (189)	1	3.2	0.31	[0.01 - 1.74]
Eye (190)	0	0.19	0.00	[0.00 - 19.7]
Brain (191-192)	6	3.36	1.78	[0.65 - 3.88]
Thyroid (193)	0	0.55	0.00	[0.00 - 6.66]
Other endocrine glands (194)	1	0.21	4.79	[0.12 - 26.7]
Ill defined (195,199)	6	5.56	1.08	[0.40 - 2.35]
Lymphatic & hematopoeitic tissue (200-208)	11	7.83	1.41	[0.70 - 2.51]
Non-Hodgkins lymphoma (200,202)	3	2.26	1.33	[0.27 - 3.88]
Hodgkins disease (201)	1	0.71	1.41	[0.04 - 7.86]
Multiple myeloma (203)	2	1.44	1.39	[0.17 - 5.01]
Leukemia & aleukemia (204-208)	5	3.42	1.46	[0.47 - 3.41]
Lymphoid leukemia (204)	0	0.81	0.00	[0.00 - 4.56]
Myeloid leukemia (205)	3	1.75	1.71	[0.35 - 5.00]
BENIGN NEOPLASMS (210-239)	0	2.43	0.00	[0.00 - 1.52]
DIS. OF ENDOCRINE SYSTEM & BLOOD (240-289)	3	8.41	0.36	[0.07 - 1.04]
MENTAL DISORDERS (290-319)	1	2.45	0.41	[0.01 - 2.27]
DIS. OF NERVOUS SYSTEM (320-389)	8	5.1	1.57	[0.68 - 3.09]
DIS. OF CIRCULATORY SYSTEM (390-459)	147	130.16	1.13	[0.95 - 1.33]
Hypertension (401-405)	6	3.02	1.98	[0.73 - 4.32]
Ischaemic heart disease (410-414)	84	70.38	1.19	[0.95 - 1.48]
Cerebrovascular (430-438)	31	31.25	0.99	[0.67 - 1.41]
Other heart diseases (4150,4152-4299)	11	10.53	1.04	[0.52 - 1.87]
DIS. OF RESPIRATORY SYSTEM (460-519)	24	20.56	1.17	[0.75 - 1.74]
Influenza (487)	3	1.02	2.94	[0.61 - 8.58]
Pneumonia (480-486)	8	6.4	1.25	[0.54 - 2.46]
Bronchitis,emphysema & asthma (490-493)	11	11.67	0.94	[0.47 - 1.69]
Pneumoconioses (500-508)	0	0.01	0.00	[0.00 - 0613]
DIS. OF DIGESTIVE SYSTEM (520-579)	5	13.57	0.37	[0.12 - 0.86]
Liver cirrhosis (571)	1	4.45	0.22	[0.01 - 1.25]
DIS. OF GENITO-URINARY SYSTEM (580-629)	8	6.68	1.20	[0.52 - 2.36]
Nephritis & nephrosis (580-589)	0	1.08	0.00	[0.00 - 3.41]
DIS. OF THE SKIN (680-739)	1	2.1	0.48	[0.01 - 2.66]
SYMPTOMS AND ILL-DEFINED CONDITIONS (780-799)	12	12.85	0.93	[0.48 - 1.63]
EXTERNAL CAUSES (E800-999)	18	28.66	0.63	[0.37 - 0.99]
Traffic accident (E810-819)	3	4.41	0.68	[0.14 - 1.99]
Suicide (E950-959)	8	14.18	0.56	[0.24 - 1.11]
Homicide (E960-969)	1	0.6	1.67	[0.04 - 9.29]
Other external causes (E800-807,E820-949,E970-999)	6	9.47	0.63	[0.23 - 1.38]
UNKNOWN CAUSES	5			
OTHER CAUSES	6			

Table 2.1.7
Mortality by cause

Finland

Causes of death (ICD 9th.revision)	Observed	Expected	SMR	95% Confidence intervals
ALL CAUSES	3235	4136.41	0.78	[0.76 - 0.81]
ALL MALIGNANT NEOPLASMS (140-208)	681	846.59	0.80	[0.75 - 0.87]
Oral cavity & pharynx (140-149)	2	11.32	0.18	[0.02 - 0.64]
Oral cavity (141,143-145)	1	4.39	0.23	[0.01 - 1.27]
Nasopharynx (147)	0	0.96	0.00	[0.00 - 3.85]
Oesophagus (150)	9	18.92	0.48	[0.22 - 0.90]
Stomach (151)	83	110.04	0.75	[0.60 - 0.94]
Colon (153)	30	35.24	0.85	[0.57 - 1.22]
Rectum (154)	15	28.13	0.53	[0.30 - 0.88]
Liver (155)	11	17.51	0.63	[0.31 - 1.12]
Gallbladder (156)	5	12.33	0.41	[0.13 - 0.95]
Pancreas (157)	39	47.83	0.82	[0.58 - 1.11]
Peritoneum and other unspecified organs(158-159)	4	9.43	0.42	[0.12 - 1.09]
Nose & sinuses (160)	1	1.98	0.51	[0.01 - 2.82]
Larynx (161)	6	8.3	0.72	[0.27 - 1.57]
Lung (162)	230	239.24	0.96	[0.84 - 1.09]
Pleura (163)	5	3.43	1.46	[0.47 - 3.40]
Other respiratory organs (164-165)	0	3.01	0.00	[0.00 - 1.23]
Bone (170)	0	3.71	0.00	[0.00 - 0.99]
Soft tissue (171)	4	3.58	1.12	[0.30 - 2.86]
Melanoma (172)	11	9.78	1.13	[0.56 - 2.01]
Other skin (173)	1	2.62	0.38	[0.01 - 2.12]
Breast (174-175)	27	29.01	0.93	[0.61 - 1.35]
Cervix uteri (180)	8	6.33	1.26	[0.55 - 2.49]
Corpus uteri & uterus unspecified (179,181-182)	7	6.83	1.02	[0.41 - 2.11]
Ovary (183)	11	12.15	0.91	[0.45 - 1.62]
Other female genital organs (184)	3	1.79	1.67	[0.35 - 4.89]
Prostate (185)	27	57.9	0.47	[0.31 - 0.68]
Testis (186)	0	1.53	0.00	[0.00 - 2.41]
Other male genital organs (187)	0	0.7	0.00	[0.00 - 5.30]
Bladder (188)	16	19.25	0.83	[0.48 - 1.35]
Kidney (189)	21	23.66	0.89	[0.55 - 1.36]
Eye (190)	0	1.51	0.00	[0.00 - 2.45]
Brain (191-192)	11	19.39	0.57	[0.28 - 1.02]
Thyroid (193)	1	3.62	0.28	[0.01 - 1.54]
Other endocrine glands (194)	3	1.56	1.92	[0.40 - 5.61]
Ill defined (195,199)	8	17.88	0.45	[0.19 - 0.88]
Lymphatic & hematopoietic tissue (200-208)	53	67.57	0.78	[0.59 - 1.03]
Non-Hodgkins lymphoma (200,202)	15	21.54	0.70	[0.39 - 1.15]
Hodgkins disease (201)	6	7.1	0.85	[0.31 - 1.84]
Multiple myeloma (203)	12	12.26	0.98	[0.51 - 1.71]
Leukemia & aleukemia (204-208)	20	26.72	0.75	[0.46 - 1.16]
Lymphoid leukemia (204)	0	7.91	0.00	[0.00 - 0.47]
Myeloid leukemia (205)	0	10.9	0.00	[0.00 - 0.34]
BENIGN NEOPLASMS (210-239)	6	15.2	0.39	[0.14 - 0.86]
DIS. OF ENDOCRINE SYSTEM & BLOOD (240-289)	47	57.07	0.82	[0.61 - 1.10]
MENTAL DISORDERS (290-319)	9	62.08	0.14	[0.07 - 0.28]
DIS. OF NERVOUS SYSTEM (320-389)	65	51.06	1.27	[0.98 - 1.62]
DIS. OF CIRCULATORY SYSTEM (390-459)	1686	2057.81	0.82	[0.78 - 0.86]
Hypertension (401-405)	29	44.02	0.66	[0.44 - 0.95]
Ischaemic heart disease (410-414)	850	1266.74	0.67	[0.63 - 0.72]
Cerebrovascular (430-438)	246	431.65	0.57	[0.50 - 0.65]
Other heart diseases (4150,4152-4299)	141	173.67	0.81	[0.68 - 0.96]
DIS. OF RESPIRATORY SYSTEM (460-519)	183	286.61	0.64	[0.55 - 0.74]
Influenza (487)	4	14.41	0.28	[0.08 - 0.71]
Pneumonia (480-486)	94	141.63	0.66	[0.54 - 0.81]
Bronchitis,emphysema & asthma (490-493)	51	99.62	0.51	[0.38 - 0.67]
Pneumoconioses (500-508)	2	1.87	1.07	[0.13 - 3.86]
DIS. OF DIGESTIVE SYSTEM (520-579)	92	128.06	0.72	[0.58 - 0.88]
Liver cirrhosis (571)	22	31.51	0.70	[0.44 - 1.06]
DIS. OF GENITO-URINARY SYSTEM (580-629)	33	60.82	0.54	[0.37 - 0.76]
Nephritis & nephrosis (580-589)	10	26.22	0.38	[0.18 - 0.70]
DIS. OF THE SKIN (680-739)	10	16.45	0.61	[0.29 - 1.12]
SYMPTOMS AND ILL-DEFINED CONDITIONS (780-799)	12	14.83	0.81	[0.42 - 1.41]
EXTERNAL CAUSES (E800-999)	356	451.55	0.79	[0.71 - 0.87]
Traffic accident (E810-819)	26	73.45	0.35	[0.23 - 0.52]
Suicide (E950-959)	37	148.53	0.25	[0.18 - 0.34]
Homicide (E960-969)	11	14.56	0.76	[0.38 - 1.35]
Other external causes (E800-807,E820-949,E970-999)	282	215.01	1.31	[1.16 - 1.47]
UNKNOWN CAUSES	9			
OTHER CAUSES	46			

Table 2.1.7
Mortality by cause

Finland
Men

Causes of death (ICD 9th.revision)	Observed	Expected	SMR	95% Confidence intervals
ALL CAUSES	2521	3294.14	0.77	[0.74 - 0.80]
ALL MALIGNANT NEOPLASMS (140-208)	521	667.5	0.78	[0.71 - 0.85]
Oral cavity & pharynx (140-149)	2	9.34	0.21	[0.03 - 0.77]
Oral cavity (141,143-145)	1	3.42	0.29	[0.01 - 1.63]
Nasopharynx (147)	0	0.79	0.00	[0.00 - 4.70]
Oesophagus (150)	5	14.6	0.34	[0.11 - 0.80]
Stomach (151)	67	89.28	0.75	[0.58 - 0.95]
Colon (153)	23	24.28	0.95	[0.60 - 1.42]
Rectum (154)	10	21.13	0.47	[0.23 - 0.87]
Liver (155)	7	13.27	0.53	[0.21 - 1.09]
Gallbladder (156)	3	6.61	0.45	[0.09 - 1.33]
Pancreas (157)	28	35.71	0.78	[0.52 - 1.13]
Peritoneum and other unspecified organs(158-159)	3	6.7	0.45	[0.09 - 1.31]
Nose & sinuses (160)	1	1.59	0.63	[0.02 - 3.49]
Larynx (161)	6	8.08	0.74	[0.27 - 1.62]
Lung (162)	221	228.65	0.97	[0.84 - 1.10]
Pleura (163)	3	2.97	1.01	[0.21 - 2.95]
Other respiratory organs (164-165)	0	2.68	0.00	[0.00 - 1.38]
Bone (170)	0	3.03	0.00	[0.00 - 1.22]
Soft tissue (171)	2	2.67	0.75	[0.09 - 2.70]
Melanoma (172)	7	7.76	0.90	[0.36 - 1.86]
Other skin (173)	0	2.06	0.00	[0.00 - 1.79]
Breast (174-175)	2	0.32	6.33	[0.77 - 22.9]
Cervix uteri (180)	0	-	-	-
Corpus uteri & uterus unspecified (179,181-182)	0	-	-	-
Ovary (183)	0	-	-	-
Other female genital organs (184)	0	-	-	-
Prostate (185)	27	57.9	0.47	[0.31 - 0.68]
Testis (186)	0	1.53	0.00	[0.00 - 2.41]
Other male genital organs (187)	0	0.7	0.00	[0.00 - 5.30]
Bladder (188)	15	17.19	0.87	[0.49 - 1.44]
Kidney (189)	16	18.73	0.85	[0.49 - 1.39]
Eye (190)	0	1.12	0.00	[0.00 - 3.30]
Brain (191-192)	10	15.11	0.66	[0.32 - 1.22]
Thyroid (193)	1	1.97	0.51	[0.01 - 2.82]
Other endocrine glands (194)	3	1.25	2.40	[0.50 - 7.02]
Ill defined (195,199)	6	12.35	0.49	[0.18 - 1.06]
Lymphatic & hematopoeitic tissue (200-208)	40	51.39	0.78	[0.56 - 1.06]
Non-Hodgkins lymphoma (200,202)	13	16.33	0.80	[0.42 - 1.36]
Hodgkins disease (201)	4	5.87	0.68	[0.19 - 1.74]
Multiple myeloma (203)	10	8.7	1.15	[0.55 - 2.11]
Leukemia & aleukemia (204-208)	13	20.5	0.63	[0.34 - 1.08]
Lymphoid leukemia (204)	0	6.35	0.00	[0.00 - 0.58]
Myeloid leukemia (205)	0	8.13	0.00	[0.00 - 0.45]
BENIGN NEOPLASMS (210-239)	4	10.83	0.37	[0.10 - 0.95]
DIS. OF ENDOCRINE SYSTEM & BLOOD (240-289)	27	37.8	0.71	[0.47 - 1.04]
MENTAL DISORDERS (290-319)	5	39.75	0.13	[0.04 - 0.29]
DIS. OF NERVOUS SYSTEM (320-389)	44	37.89	1.16	[0.84 - 1.56]
DIS. OF CIRCULATORY SYSTEM (390-459)	1307	1616.24	0.81	[0.77 - 0.85]
Hypertension (401-405)	20	27.3	0.73	[0.45 - 1.13]
Ischaemic heart disease (410-414)	681	1054.72	0.65	[0.60 - 0.70]
Cerebrovascular (430-438)	152	303.11	0.50	[0.42 - 0.59]
Other heart diseases (4150,4152-4299)	102	125.07	0.82	[0.66 - 0.99]
DIS. OF RESPIRATORY SYSTEM (460-519)	145	236.81	0.61	[0.52 - 0.72]
Influenza (487)	2	10.78	0.19	[0.02 - 0.67]
Pneumonia (480-486)	69	107.13	0.64	[0.50 - 0.82]
Bronchitis,emphysema & asthma (490-493)	48	92.17	0.52	[0.38 - 0.69]
Pneumoconioses (500-508)	1	1.69	0.59	[0.01 - 3.30]
DIS. OF DIGESTIVE SYSTEM (520-579)	70	100.56	0.70	[0.54 - 0.88]
Liver cirrhosis (571)	19	27.57	0.69	[0.41 - 1.08]
DIS. OF GENITO-URINARY SYSTEM (580-629)	17	43.23	0.39	[0.23 - 0.63]
Nephritis & nephrosis (580-589)	4	20.31	0.20	[0.05 - 0.50]
DIS. OF THE SKIN (680-739)	5	8.85	0.56	[0.18 - 1.32]
SYMPTOMS AND ILL-DEFINED CONDITIONS (780-799)	11	11.97	0.92	[0.46 - 1.64]
EXTERNAL CAUSES (E800-999)	317	410.72	0.77	[0.69 - 0.86]
Traffic accident (E810-819)	21	66.15	0.32	[0.20 - 0.49]
Suicide (E950-959)	34	136.48	0.25	[0.17 - 0.35]
Homicide (E960-969)	11	13.17	0.84	[0.42 - 1.49]
Other external causes (E800-807,E820-949,E970-999)	251	194.92	1.29	[1.13 - 1.46]
UNKNOWN CAUSES	7			
OTHER CAUSES	41			

Table 2.1.7
Mortality by cause

Finland
Women

Causes of death (ICD 9th.revision)	Observed	Expected	SMR	95% Confidence intervals
ALL CAUSES	714	842.27	0.85	[0.79 - 0.91]
ALL MALIGNANT NEOPLASMS (140-208)	160	179.09	0.89	[0.76 - 1.04]
Oral cavity & pharynx (140-149)	0	1.98	0.00	[0.00 - 1.86]
Oral cavity (141,143-145)	0	0.97	0.00	[0.00 - 3.81]
Nasopharynx (147)	0	0.17	0.00	[0.00 - 21.5]
Oesophagus (150)	4	4.31	0.93	[0.25 - 2.37]
Stomach (151)	16	20.77	0.77	[0.44 - 1.25]
Colon (153)	7	10.96	0.64	[0.26 - 1.32]
Rectum (154)	5	7	0.71	[0.23 - 1.67]
Liver (155)	4	4.25	0.94	[0.26 - 2.41]
Gallbladder (156)	2	5.72	0.35	[0.04 - 1.26]
Pancreas (157)	11	12.13	0.91	[0.45 - 1.62]
Peritoneum and other unspecified organs(158-159)	1	2.74	0.37	[0.01 - 2.04]
Nose & sinuses (160)	0	0.38	0.00	[0.00 - 9.65]
Larynx (161)	0	0.21	0.00	[0.00 - 17.2]
Lung (162)	9	10.59	0.85	[0.39 - 1.61]
Pleura (163)	2	0.46	4.35	[0.53 - 15.7]
Other respiratory organs (164-165)	0	0.33	0.00	[0.00 - 11.2]
Bone (170)	0	0.68	0.00	[0.00 - 5.42]
Soft tissue (171)	2	0.9	2.22	[0.27 - 8.01]
Melanoma (172)	4	2.02	1.98	[0.54 - 5.07]
Other skin (173)	1	0.56	1.79	[0.04 - 9.96]
Breast (174-175)	25	28.7	0.87	[0.56 - 1.29]
Cervix uteri (180)	8	6.33	1.26	[0.55 - 2.49]
Corpus uteri & uterus unspecified (179,181-182)	7	6.83	1.02	[0.41 - 2.11]
Ovary (183)	11	12.15	0.91	[0.45 - 1.62]
Other female genital organs (184)	3	1.79	1.67	[0.35 - 4.89]
Prostate (185)	0	-	-	-
Testis (186)	0	-	-	-
Other male genital organs (187)	0	-	-	-
Bladder (188)	1	2.06	0.49	[0.01 - 2.71]
Kidney (189)	5	4.93	1.01	[0.33 - 2.37]
Eye (190)	0	0.39	0.00	[0.00 - 9.44]
Brain (191-192)	1	4.28	0.23	[0.01 - 1.30]
Thyroid (193)	0	1.64	0.00	[0.00 - 2.24]
Other endocrine glands (194)	0	0.31	0.00	[0.00 - 11.7]
Ill defined (195,199)	2	5.53	0.36	[0.04 - 1.31]
Lymphatic & hematopoietic tissue (200-208)	13	16.18	0.80	[0.43 - 1.37]
Non-Hodgkins lymphoma (200,202)	2	5.2	0.38	[0.05 - 1.39]
Hodgkins disease (201)	2	1.23	1.63	[0.20 - 5.90]
Multiple myeloma (203)	2	3.55	0.56	[0.07 - 2.03]
Leukemia & aleukemia (204-208)	7	6.22	1.12	[0.45 - 2.32]
Lymphoid leukemia (204)	0	1.56	0.00	[0.00 - 2.37]
Myeloid leukemia (205)	0	2.77	0.00	[0.00 - 1.33]
BENIGN NEOPLASMS (210-239)	2	4.36	0.46	[0.06 - 1.66]
DIS. OF ENDOCRINE SYSTEM & BLOOD (240-289)	20	19.26	1.04	[0.63 - 1.60]
MENTAL DISORDERS (290-319)	4	22.32	0.18	[0.05 - 0.46]
DIS. OF NERVOUS SYSTEM (320-389)	21	13.17	1.60	[0.99 - 2.44]
DIS. OF CIRCULATORY SYSTEM (390-459)	379	441.56	0.86	[0.77 - 0.95]
Hypertension (401-405)	9	16.71	0.54	[0.25 - 1.02]
Ischaemic heart disease (410-414)	169	212.02	0.80	[0.68 - 0.93]
Cerebrovascular (430-438)	94	128.54	0.73	[0.59 - 0.89]
Other heart diseases (4150,4152-4299)	39	48.6	0.80	[0.57 - 1.10]
DIS. OF RESPIRATORY SYSTEM (460-519)	38	49.8	0.76	[0.54 - 1.05]
Influenza (487)	2	3.63	0.55	[0.07 - 1.99]
Pneumonia (480-486)	25	34.5	0.72	[0.47 - 1.07]
Bronchitis,emphysema & asthma (490-493)	3	7.45	0.40	[0.08 - 1.18]
Pneumoconioses (500-508)	1	0.19	5.41	[0.14 - 30.1]
DIS. OF DIGESTIVE SYSTEM (520-579)	22	27.51	0.80	[0.50 - 1.21]
Liver cirrhosis (571)	3	3.94	0.76	[0.16 - 2.22]
DIS. OF GENITO-URINARY SYSTEM (580-629)	16	17.59	0.91	[0.52 - 1.48]
Nephritis & nephrosis (580-589)	6	5.91	1.02	[0.37 - 2.21]
DIS. OF THE SKIN (680-739)	5	7.59	0.66	[0.21 - 1.54]
SYMPTOMS AND ILL-DEFINED CONDITIONS (780-799)	1	2.86	0.35	[0.01 - 1.95]
EXTERNAL CAUSES (E800-999)	39	40.82	0.96	[0.68 - 1.31]
Traffic accident (E810-819)	5	7.3	0.68	[0.22 - 1.60]
Suicide (E950-959)	3	12.05	0.25	[0.05 - 0.73]
Homicide (E960-969)	0	1.39	0.00	[0.00 - 2.65]
Other external causes (E800-807,E820-949,E970-999)	31	20.09	1.54	[1.05 - 2.19]
UNKNOWN CAUSES	2			
OTHER CAUSES	5			

Table 2.1.8
Mortality by cause

France

Causes of death (ICD 9th.revision)	Observed	Expected	SMR	95% Confidence intervals
ALL CAUSES	749	870.63	0.86	[0.80 - 0.92]
ALL MALIGNANT NEOPLASMS (140-208)	255	281.28	0.91	[0.80 - 1.02]
Oral cavity & pharynx (140-149)	14	23.16	0.60	[0.33 - 1.01]
Oral cavity (141,143-145)	3	8.22	0.37	[0.08 - 1.07]
Nasopharynx (147)	0	0.51	0.00	[0.00 - 7.25]
Oesophagus (150)	9	18.85	0.48	[0.22 - 0.91]
Stomach (151)	16	14.33	1.12	[0.64 - 1.81]
Colon (153)	15	16.1	0.93	[0.52 - 1.54]
Rectum (154)	7	7.64	0.92	[0.37 - 1.89]
Liver (155)	11	10.29	1.07	[0.53 - 1.91]
Gallbladder (156)	2	1.9	1.05	[0.13 - 3.81]
Pancreas (157)	13	9.98	1.30	[0.69 - 2.23]
Peritoneum and other unspecified organs(158-159)	3	5.54	0.54	[0.11 - 1.58]
Nose & sinuses (160)	5	4.76	1.05	[0.34 - 2.45]
Larynx (161)	16	15.26	1.05	[0.60 - 1.70]
Lung (162)	55	62.26	0.88	[0.67 - 1.15]
Pleura (163)	2	1.62	1.23	[0.15 - 4.45]
Other respiratory organs (164-165)	2	1.52	1.31	[0.16 - 4.74]
Bone (170)	1	2.11	0.47	[0.01 - 2.63]
Soft tissue (171)	2	0.86	2.31	[0.28 - 8.36]
Melanoma (172)	1	1.68	0.59	[0.01 - 3.31]
Other skin (173)	0	0.76	0.00	[0.00 - 4.87]
Breast (174-175)	3	5.15	0.58	[0.12 - 1.70]
Cervix uteri (180)	0	0.54	0.00	[0.00 - 6.80]
Corpus uteri & uterus unspecified (179,181-182)	0	1.21	0.00	[0.00 - 3.06]
Ovary (183)	2	1.35	1.48	[0.18 - 5.35]
Other female genital organs (184)	0	0.19	0.00	[0.00 - 19.7]
Prostate (185)	13	13.76	0.95	[0.50 - 1.62]
Testis (186)	1	0.88	1.14	[0.03 - 6.35]
Other male genital organs (187)	1	0.23	4.40	[0.11 - 24.5]
Bladder (188)	7	7.76	0.90	[0.36 - 1.86]
Kidney (189)	3	5.76	0.52	[0.11 - 1.52]
Eye (190)	1	0.18	5.42	[0.14 - 30.2]
Brain (191-192)	8	5.22	1.53	[0.66 - 3.02]
Thyroid (193)	2	0.72	2.78	[0.34 - 10.0]
Other endocrine glands (194)	0	0.32	0.00	[0.00 - 11.7]
Ill defined (195,199)	24	18.57	1.29	[0.83 - 1.92]
Lymphatic & hematopoietic tissue (200-208)	13	16.66	0.78	[0.42 - 1.33]
Non-Hodgkins lymphoma (200,202)	4	4.83	0.83	[0.23 - 2.12]
Hodgkins disease (201)	2	1.54	1.30	[0.16 - 4.68]
Multiple myeloma (203)	0	2.43	0.00	[0.00 - 1.52]
Leukemia & aleukemia (204-208)	7	7.86	0.89	[0.36 - 1.84]
Lymphoid leukemia (204)	1	1.96	0.51	[0.01 - 2.85]
Myeloid leukemia (205)	4	3.09	1.29	[0.35 - 3.31]
BENIGN NEOPLASMS (210-239)	6	7.75	0.77	[0.28 - 1.69]
DIS. OF ENDOCRINE SYSTEM & BLOOD (240-289)	12	19.71	0.61	[0.31 - 1.06]
MENTAL DISORDERS (290-319)	16	18.3	0.87	[0.50 - 1.42]
DIS. OF NERVOUS SYSTEM (320-389)	13	14.85	0.88	[0.47 - 1.50]
DIS. OF CIRCULATORY SYSTEM (390-459)	177	225.64	0.78	[0.67 - 0.91]
Hypertension (401-405)	7	6.19	1.13	[0.45 - 2.33]
Ischaemic heart disease (410-414)	72	85.74	0.84	[0.66 - 1.06]
Cerebrovascular (430-438)	37	56.72	0.65	[0.46 - 0.90]
Other heart diseases (4150,4152-4299)	34	49.94	0.68	[0.47 - 0.95]
DIS. OF RESPIRATORY SYSTEM (460-519)	31	42.42	0.73	[0.50 - 1.04]
Influenza (487)	0	1.9	0.00	[0.00 - 1.94]
Pneumonia (480-486)	7	8.97	0.78	[0.31 - 1.61]
Bronchitis,emphysema & asthma (490-493)	11	9.71	1.13	[0.57 - 2.03]
Pneumoconioses (500-508)	0	3.66	0.00	[0.00 - 1.01]
DIS. OF DIGESTIVE SYSTEM (520-579)	71	72.38	0.98	[0.77 - 1.24]
Liver cirrhosis (571)	47	48.22	0.97	[0.72 - 1.30]
DIS. OF GENITO-URINARY SYSTEM (580-629)	5	8.1	0.62	[0.20 - 1.44]
Nephritis & nephrosis (580-589)	4	4.57	0.88	[0.24 - 2.24]
DIS. OF THE SKIN (680-739)	0	3.27	0.00	[0.00 - 1.13]
SYMPTOMS AND ILL-DEFINED CONDITIONS (780-799)	14	44.14	0.32	[0.17 - 0.53]
EXTERNAL CAUSES (E800-999)	108	119.41	0.90	[0.74 - 1.09]
Traffic accident (E810-819)	23	32.78	0.70	[0.44 - 1.05]
Suicide (E950-959)	36	35.45	1.02	[0.71 - 1.41]
Homicide (E960-969)	2	1.78	1.13	[0.14 - 4.07]
Other external causes (E800-807,E820-949,E970-999)	47	49.41	0.95	[0.70 - 1.26]
UNKNOWN CAUSES	27			
OTHER CAUSES	14			

Table 2.1.8
Mortality by cause

France
Men

Causes of death (ICD 9th.revision)	Observed	Expected	SMR	95% Confidence intervals
ALL CAUSES	715	809.01	0.88	[0.82 - 0.95]
ALL MALIGNANT NEOPLASMS (140-208)	242	261.34	0.93	[0.81 - 1.05]
Oral cavity & pharynx (140-149)	14	22.88	0.61	[0.33 - 1.03]
Oral cavity (141,143-145)	3	8.1	0.37	[0.08 - 1.08]
Nasopharynx (147)	0	0.49	0.00	[0.00 - 7.51]
Oesophagus (150)	9	18.63	0.48	[0.22 - 0.92]
Stomach (151)	16	13.46	1.19	[0.68 - 1.93]
Colon (153)	14	14.48	0.97	[0.53 - 1.62]
Rectum (154)	6	7.03	0.85	[0.31 - 1.86]
Liver (155)	11	9.91	1.11	[0.55 - 1.99]
Gallbladder (156)	2	1.56	1.28	[0.16 - 4.63]
Pancreas (157)	13	9.26	1.40	[0.75 - 2.40]
Peritoneum and other unspecified organs(158-159)	3	5.03	0.60	[0.12 - 1.74]
Nose & sinuses (160)	5	4.7	1.06	[0.35 - 2.48]
Larynx (161)	16	15.18	1.05	[0.60 - 1.71]
Lung (162)	55	61.27	0.90	[0.68 - 1.17]
Pleura (163)	1	1.54	0.65	[0.02 - 3.62]
Other respiratory organs (164-165)	2	1.48	1.35	[0.16 - 4.87]
Bone (170)	1	1.99	0.50	[0.01 - 2.79]
Soft tissue (171)	1	0.78	1.29	[0.03 - 7.18]
Melanoma (172)	1	1.49	0.67	[0.02 - 3.74]
Other skin (173)	0	0.7	0.00	[0.00 - 5.27]
Breast (174-175)	0	0.49	0.00	[0.00 - 7.46]
Cervix uteri (180)	0	-	-	-
Corpus uteri & uterus unspecified (179,181-182)	0	-	-	-
Ovary (183)	0	-	-	-
Other female genital organs (184)	0	-	-	-
Prostate (185)	13	13.76	0.95	[0.50 - 1.62]
Testis (186)	1	0.88	1.14	[0.03 - 6.35]
Other male genital organs (187)	1	0.23	4.40	[0.11 - 24.5]
Bladder (188)	7	7.52	0.93	[0.37 - 1.92]
Kidney (189)	2	5.39	0.37	[0.04 - 1.34]
Eye (190)	1	0.16	6.12	[0.15 - 34.1]
Brain (191-192)	7	4.76	1.47	[0.59 - 3.03]
Thyroid (193)	1	0.6	1.68	[0.04 - 9.35]
Other endocrine glands (194)	0	0.28	0.00	[0.00 - 12.9]
Ill defined (195,199)	24	16.97	1.41	[0.91 - 2.10]
Lymphatic & hematopoietic tissue (200-208)	12	15.09	0.80	[0.41 - 1.39]
Non-Hodgkins lymphoma (200,202)	4	4.4	0.91	[0.25 - 2.33]
Hodgkins disease (201)	2	1.43	1.40	[0.17 - 5.07]
Multiple myeloma (203)	0	2.15	0.00	[0.00 - 1.71]
Leukemia & aleukemia (204-208)	6	7.1	0.84	[0.31 - 1.84]
Lymphoid leukemia (204)	1	1.8	0.56	[0.01 - 3.10]
Myeloid leukemia (205)	3	2.78	1.08	[0.22 - 3.16]
BENIGN NEOPLASMS (210-239)	6	7	0.86	[0.31 - 1.86]
DIS. OF ENDOCRINE SYSTEM & BLOOD (240-289)	11	17.76	0.62	[0.31 - 1.11]
MENTAL DISORDERS (290-319)	15	17.17	0.87	[0.49 - 1.44]
DIS. OF NERVOUS SYSTEM (320-389)	12	13.41	0.90	[0.46 - 1.56]
DIS. OF CIRCULATORY SYSTEM (390-459)	169	208.72	0.81	[0.69 - 0.94]
Hypertension (401-405)	6	5.51	1.09	[0.40 - 2.37]
Ischaemic heart disease (410-414)	70	81.43	0.86	[0.67 - 1.09]
Cerebrovascular (430-438)	35	51.2	0.68	[0.48 - 0.95]
Other heart diseases (4150,4152-4299)	31	45.68	0.68	[0.46 - 0.96]
DIS. OF RESPIRATORY SYSTEM (460-519)	29	39.82	0.73	[0.49 - 1.05]
Influenza (487)	0	1.72	0.00	[0.00 - 2.14]
Pneumonia (480-486)	6	8.28	0.72	[0.27 - 1.58]
Bronchitis,emphysema & asthma (490-493)	10	9.09	1.10	[0.53 - 2.02]
Pneumoconioses (500-508)	0	3.6	0.00	[0.00 - 1.02]
DIS. OF DIGESTIVE SYSTEM (520-579)	70	67.49	1.04	[0.81 - 1.31]
Liver cirrhosis (571)	46	45.34	1.01	[0.74 - 1.35]
DIS. OF GENITO-URINARY SYSTEM (580-629)	5	7.37	0.68	[0.22 - 1.58]
Nephritis & nephrosis (580-589)	4	4.15	0.96	[0.26 - 2.47]
DIS. OF THE SKIN (680-739)	0	2.72	0.00	[0.00 - 1.35]
SYMPTOMS AND ILL-DEFINED CONDITIONS (780-799)	13	40.94	0.32	[0.17 - 0.54]
EXTERNAL CAUSES (E800-999)	102	113.02	0.90	[0.74 - 1.10]
Traffic accident (E810-819)	23	31.23	0.74	[0.47 - 1.11]
Suicide (E950-959)	36	33.48	1.08	[0.75 - 1.49]
Homicide (E960-969)	2	1.65	1.22	[0.15 - 4.39]
Other external causes (E800-807,E820-949,E970-999)	41	46.68	0.88	[0.63 - 1.19]
UNKNOWN CAUSES	27			
OTHER CAUSES	14			

Table 2.1.8
Mortality by cause

France
Women

Causes of death (ICD 9th.revision)	Observed	Expected	SMR	95% Confidence intervals
ALL CAUSES	34	61.62	0.55	[0.38 - 0.77]
ALL MALIGNANT NEOPLASMS (140-208)	13	19.94	0.65	[0.35 - 1.12]
Oral cavity & pharynx (140-149)	0	0.28	0.00	[0.00 - 13.1]
Oral cavity (141,143-145)	0	0.11	0.00	[0.00 - 32.1]
Nasopharynx (147)	0	0.02	0.00	[0.00 - 0206]
Oesophagus (150)	0	0.22	0.00	[0.00 - 16.8]
Stomach (151)	0	0.87	0.00	[0.00 - 4.26]
Colon (153)	1	1.62	0.62	[0.02 - 3.44]
Rectum (154)	1	0.61	1.64	[0.04 - 9.15]
Liver (155)	0	0.38	0.00	[0.00 - 9.71]
Gallbladder (156)	0	0.34	0.00	[0.00 - 10.9]
Pancreas (157)	0	0.72	0.00	[0.00 - 5.12]
Peritoneum and other unspecified organs(158-159)	0	0.52	0.00	[0.00 - 7.16]
Nose & sinuses (160)	0	0.06	0.00	[0.00 - 64.5]
Larynx (161)	0	0.09	0.00	[0.00 - 43.0]
Lung (162)	0	0.99	0.00	[0.00 - 3.71]
Pleura (163)	1	0.08	12.30	[0.31 - 68.4]
Other respiratory organs (164-165)	0	0.04	0.00	[0.00 - 90.4]
Bone (170)	0	0.12	0.00	[0.00 - 30.7]
Soft tissue (171)	1	0.09	11.30	[0.28 - 62.9]
Melanoma (172)	0	0.19	0.00	[0.00 - 19.4]
Other skin (173)	0	0.06	0.00	[0.00 - 63.5]
Breast (174-175)	3	4.66	0.64	[0.13 - 1.88]
Cervix uteri (180)	0	0.54	0.00	[0.00 - 6.80]
Corpus uteri & uterus unspecified (179,181-182)	0	1.21	0.00	[0.00 - 3.06]
Ovary (183)	2	1.35	1.48	[0.18 - 5.35]
Other female genital organs (184)	0	0.19	0.00	[0.00 - 19.7]
Prostate (185)	0	-	-	-
Testis (186)	0	-	-	-
Other male genital organs (187)	0	-	-	-
Bladder (188)	0	0.24	0.00	[0.00 - 15.7]
Kidney (189)	1	0.38	2.66	[0.07 - 14.8]
Eye (190)	0	0.02	0.00	[0.00 - 0176]
Brain (191-192)	1	0.46	2.16	[0.05 - 12.0]
Thyroid (193)	1	0.12	8.11	[0.20 - 45.2]
Other endocrine glands (194)	0	0.03	0.00	[0.00 - 0117]
Ill defined (195,199)	0	1.6	0.00	[0.00 - 2.31]
Lymphatic & hematopoeitic tissue (200-208)	1	1.57	0.64	[0.02 - 3.54]
Non-Hodgkins lymphoma (200,202)	0	0.43	0.00	[0.00 - 8.62]
Hodgkins disease (201)	0	0.12	0.00	[0.00 - 31.3]
Multiple myeloma (203)	0	0.28	0.00	[0.00 - 13.4]
Leukemia & aleukemia (204-208)	1	0.75	1.33	[0.03 - 7.40]
Lymphoid leukemia (204)	0	0.16	0.00	[0.00 - 23.6]
Myeloid leukemia (205)	1	0.32	3.15	[0.08 - 17.6]
BENIGN NEOPLASMS (210-239)	0	0.75	0.00	[0.00 - 4.94]
DIS. OF ENDOCRINE SYSTEM & BLOOD (240-289)	1	1.94	0.51	[0.01 - 2.87]
MENTAL DISORDERS (290-319)	1	1.13	0.88	[0.02 - 4.93]
DIS. OF NERVOUS SYSTEM (320-389)	1	1.44	0.69	[0.02 - 3.87]
DIS. OF CIRCULATORY SYSTEM (390-459)	8	16.92	0.47	[0.20 - 0.93]
Hypertension (401-405)	1	0.67	1.48	[0.04 - 8.26]
Ischaemic heart disease (410-414)	2	4.31	0.46	[0.06 - 1.68]
Cerebrovascular (430-438)	2	5.52	0.36	[0.04 - 1.31]
Other heart diseases (4150,4152-4299)	3	4.26	0.70	[0.15 - 2.06]
DIS. OF RESPIRATORY SYSTEM (460-519)	2	2.6	0.77	[0.09 - 2.78]
Influenza (487)	0	0.18	0.00	[0.00 - 20.7]
Pneumonia (480-486)	1	0.69	1.45	[0.04 - 8.10]
Bronchitis,emphysema & asthma (490-493)	1	0.62	1.61	[0.04 - 8.97]
Pneumoconioses (500-508)	0	0.06	0.00	[0.00 - 63.0]
DIS. OF DIGESTIVE SYSTEM (520-579)	1	4.89	0.20	[0.01 - 1.14]
Liver cirrhosis (571)	1	2.88	0.35	[0.01 - 1.94]
DIS. OF GENITO-URINARY SYSTEM (580-629)	0	0.73	0.00	[0.00 - 5.08]
Nephritis & nephrosis (580-589)	0	0.41	0.00	[0.00 - 8.92]
DIS. OF THE SKIN (680-739)	0	0.54	0.00	[0.00 - 6.82]
SYMPTOMS AND ILL-DEFINED CONDITIONS (780-799)	1	3.2	0.31	[0.01 - 1.74]
EXTERNAL CAUSES (E800-999)	6	6.39	0.94	[0.34 - 2.04]
Traffic accident (E810-819)	0	1.55	0.00	[0.00 - 2.38]
Suicide (E950-959)	0	1.97	0.00	[0.00 - 1.87]
Homicide (E960-969)	0	0.13	0.00	[0.00 - 28.2]
Other external causes (E800-807,E820-949,E970-999)	6	2.74	2.19	[0.80 - 4.77]
UNKNOWN CAUSES	0			
OTHER CAUSES	0			

Table 2.1.9
Mortality by cause

Italy

Causes of death (ICD 9th.revision)	Observed	Expected	SMR	95% Confidence intervals
ALL CAUSES	349	437.08	0.80	[0.72 - 0.89]
ALL MALIGNANT NEOPLASMS (140-208)	124	132.71	0.93	[0.78 - 1.11]
Oral cavity & pharynx (140-149)	3	4.35	0.69	[0.14 - 2.01]
Oral cavity (141,143-145)	1	1.94	0.52	[0.01 - 2.87]
Nasopharynx (147)	0	0.29	0.00	[0.00 - 12.5]
Oesophagus (150)	1	2.97	0.34	[0.01 - 1.87]
Stomach (151)	12	14	0.86	[0.44 - 1.50]
Colon (153)	1	7.14	0.14	[0.00 - 0.78]
Rectum (154)	2	3.97	0.50	[0.06 - 1.82]
Liver (155)	8	7.36	1.09	[0.47 - 2.14]
Gallbladder (156)	1	1.51	0.66	[0.02 - 3.68]
Pancreas (157)	7	5.15	1.36	[0.55 - 2.80]
Peritoneum and other unspecified organs(158-159)	2	2.89	0.69	[0.08 - 2.50]
Nose & sinuses (160)	0	0.14	0.00	[0.00 - 25.8]
Larynx (161)	2	3.91	0.51	[0.06 - 1.85]
Lung (162)	44	36.48	1.21	[0.88 - 1.62]
Pleura (163)	2	0.75	2.68	[0.32 - 9.68]
Other respiratory organs (164-165)	0	0.61	0.00	[0.00 - 6.09]
Bone (170)	1	0.99	1.01	[0.03 - 5.63]
Soft tissue (171)	0	0.26	0.00	[0.00 - 13.9]
Melanoma (172)	1	1.07	0.94	[0.02 - 5.22]
Other skin (173)	0	0.4	0.00	[0.00 - 9.11]
Breast (174-175)	2	3.75	0.53	[0.06 - 1.93]
Cervix uteri (180)	0	0.22	0.00	[0.00 - 17.1]
Corpus uteri & uterus unspecified (179,181-182)	1	1.5	0.66	[0.02 - 3.70]
Ovary (183)	1	0.86	1.17	[0.03 - 6.51]
Other female genital organs (184)	0	0.19	0.00	[0.00 - 19.0]
Prostate (185)	6	4.88	1.23	[0.45 - 2.67]
Testis (186)	0	0.33	0.00	[0.00 - 11.1]
Other male genital organs (187)	0	0.12	0.00	[0.00 - 29.6]
Bladder (188)	3	4.84	0.62	[0.13 - 1.81]
Kidney (189)	1	2.68	0.37	[0.01 - 2.08]
Eye (190)	0	0.1	0.00	[0.00 - 37.9]
Brain (191-192)	4	3.32	1.21	[0.33 - 3.09]
Thyroid (193)	1	0.49	2.04	[0.05 - 11.4]
Other endocrine glands (194)	0	0.14	0.00	[0.00 - 26.1]
Ill defined (195,199)	7	4.51	1.55	[0.62 - 3.20]
Lymphatic & hematopoietic tissue (200-208)	11	9.43	1.17	[0.58 - 2.09]
Non-Hodgkins lymphoma (200,202)	3	2.69	1.11	[0.23 - 3.26]
Hodgkins disease (201)	2	1.12	1.78	[0.22 - 6.42]
Multiple myeloma (203)	1	1.37	0.73	[0.02 - 4.06]
Leukemia & aleukemia (204-208)	5	4.24	1.18	[0.38 - 2.75]
Lymphoid leukemia (204)	1	1.08	0.93	[0.02 - 5.18]
Myeloid leukemia (205)	3	1.62	1.85	[0.38 - 5.40]
BENIGN NEOPLASMS (210-239)	4	2.52	1.59	[0.43 - 4.07]
DIS. OF ENDOCRINE SYSTEM & BLOOD (240-289)	5	14.44	0.35	[0.11 - 0.81]
MENTAL DISORDERS (290-319)	4	2.68	1.49	[0.41 - 3.82]
DIS. OF NERVOUS SYSTEM (320-389)	2	6.55	0.31	[0.04 - 1.10]
DIS. OF CIRCULATORY SYSTEM (390-459)	121	165.61	0.73	[0.61 - 0.87]
Hypertension (401-405)	4	8.88	0.45	[0.12 - 1.15]
Ischaemic heart disease (410-414)	46	64.82	0.71	[0.52 - 0.95]
Cerebrovascular (430-438)	29	45.11	0.64	[0.43 - 0.92]
Other heart diseases (4150,4152-4299)	29	32.26	0.90	[0.60 - 1.29]
DIS. OF RESPIRATORY SYSTEM (460-519)	20	25.93	0.77	[0.47 - 1.19]
Influenza (487)	0	0.54	0.00	[0.00 - 6.89]
Pneumonia (480-486)	5	5.38	0.93	[0.30 - 2.17]
Bronchitis,emphysema & asthma (490-493)	9	14.23	0.63	[0.29 - 1.20]
Pneumoconioses (500-508)	1	1.15	0.87	[0.02 - 4.85]
DIS. OF DIGESTIVE SYSTEM (520-579)	22	33.45	0.66	[0.41 - 1.00]
Liver cirrhosis (571)	16	21.12	0.76	[0.43 - 1.23]
DIS. OF GENITO-URINARY SYSTEM (580-629)	3	5.77	0.52	[0.11 - 1.52]
Nephritis & nephrosis (580-589)	0	3.69	0.00	[0.00 - 1.00]
DIS. OF THE SKIN (680-739)	1	1.02	0.98	[0.02 - 5.46]
SYMPTOMS AND ILL-DEFINED CONDITIONS (780-799)	3	6.58	0.46	[0.09 - 1.33]
EXTERNAL CAUSES (E800-999)	24	35.04	0.68	[0.44 - 1.02]
Traffic accident (E810-819)	5	14.27	0.35	[0.11 - 0.82]
Suicide (E950-959)	5	6.06	0.83	[0.27 - 1.93]
Homicide (E960-969)	1	1.96	0.51	[0.01 - 2.85]
Other external causes (E800-807,E820-949,E970-999)	13	12.75	1.02	[0.54 - 1.74]
UNKNOWN CAUSES	10			
OTHER CAUSES	6			

Table 2.1.9
Mortality by cause

Italy
Men

Causes of death (ICD 9th.revision)	Observed	Expected	SMR	95% Confidence intervals
ALL CAUSES	294	354.67	0.83	[0.74 - 0.93]
ALL MALIGNANT NEOPLASMS (140-208)	107	112.46	0.95	[0.78 - 1.15]
Oral cavity & pharynx (140-149)	3	4.16	0.72	[0.15 - 2.11]
Oral cavity (141,143-145)	1	1.85	0.54	[0.01 - 3.00]
Nasopharynx (147)	0	0.28	0.00	[0.00 - 13.4]
Oesophagus (150)	1	2.81	0.36	[0.01 - 1.98]
Stomach (151)	11	11.78	0.93	[0.47 - 1.67]
Colon (153)	0	5.61	0.00	[0.00 - 0.66]
Rectum (154)	2	3.22	0.62	[0.08 - 2.25]
Liver (155)	5	6.38	0.78	[0.25 - 1.83]
Gallbladder (156)	1	0.99	1.01	[0.03 - 5.60]
Pancreas (157)	6	4.26	1.41	[0.52 - 3.06]
Peritoneum and other unspecified organs(158-159)	2	2.22	0.90	[0.11 - 3.26]
Nose & sinuses (160)	0	0.13	0.00	[0.00 - 29.1]
Larynx (161)	2	3.85	0.52	[0.06 - 1.88]
Lung (162)	42	35.14	1.20	[0.86 - 1.62]
Pleura (163)	1	0.66	1.52	[0.04 - 8.45]
Other respiratory organs (164-165)	0	0.56	0.00	[0.00 - 6.61]
Bone (170)	1	0.84	1.19	[0.03 - 6.62]
Soft tissue (171)	0	0.22	0.00	[0.00 - 16.4]
Melanoma (172)	1	0.92	1.09	[0.03 - 6.06]
Other skin (173)	0	0.34	0.00	[0.00 - 11.0]
Breast (174-175)	0	0.07	0.00	[0.00 - 53.7]
Cervix uteri (180)	0	-	-	-
Corpus uteri & uterus unspecified (179,181-182)	0	-	-	-
Ovary (183)	0	-	-	-
Other female genital organs (184)	0	-	-	-
Prostate (185)	6	4.88	1.23	[0.45 - 2.67]
Testis (186)	0	0.33	0.00	[0.00 - 11.1]
Other male genital organs (187)	0	0.12	0.00	[0.00 - 29.6]
Bladder (188)	3	4.52	0.66	[0.14 - 1.94]
Kidney (189)	1	2.39	0.42	[0.01 - 2.34]
Eye (190)	0	0.08	0.00	[0.00 - 46.3]
Brain (191-192)	3	2.89	1.04	[0.21 - 3.03]
Thyroid (193)	1	0.34	2.98	[0.07 - 16.6]
Other endocrine glands (194)	0	0.12	0.00	[0.00 - 29.7]
Ill defined (195,199)	5	3.67	1.36	[0.44 - 3.18]
Lymphatic & hematopoeitic tissue (200-208)	10	7.89	1.27	[0.61 - 2.33]
Non-Hodgkins lymphoma (200,202)	2	2.3	0.87	[0.11 - 3.14]
Hodgkins disease (201)	2	0.99	2.03	[0.25 - 7.33]
Multiple myeloma (203)	1	1.08	0.92	[0.02 - 5.15]
Leukemia & aleukemia (204-208)	5	3.53	1.42	[0.46 - 3.31]
Lymphoid leukemia (204)	1	0.9	1.11	[0.03 - 6.17]
Myeloid leukemia (205)	3	1.37	2.19	[0.45 - 6.40]
BENIGN NEOPLASMS (210-239)	2	2.03	0.98	[0.12 - 3.55]
DIS. OF ENDOCRINE SYSTEM & BLOOD (240-289)	5	10.08	0.50	[0.16 - 1.16]
MENTAL DISORDERS (290-319)	4	2.22	1.80	[0.49 - 4.61]
DIS. OF NERVOUS SYSTEM (320-389)	2	5.1	0.39	[0.05 - 1.42]
DIS. OF CIRCULATORY SYSTEM (390-459)	94	126.08	0.75	[0.60 - 0.91]
Hypertension (401-405)	3	5.79	0.52	[0.11 - 1.51]
Ischaemic heart disease (410-414)	40	54.73	0.73	[0.52 - 1.00]
Cerebrovascular (430-438)	18	31.96	0.56	[0.33 - 0.89]
Other heart diseases (4150,4152-4299)	23	22.95	1.00	[0.64 - 1.50]
DIS. OF RESPIRATORY SYSTEM (460-519)	17	21.8	0.78	[0.45 - 1.25]
Influenza (487)	0	0.38	0.00	[0.00 - 9.61]
Pneumonia (480-486)	5	4.12	1.22	[0.39 - 2.84]
Bronchitis,emphysema & asthma (490-493)	7	12.36	0.57	[0.23 - 1.17]
Pneumoconioses (500-508)	1	1.14	0.88	[0.02 - 4.88]
DIS. OF DIGESTIVE SYSTEM (520-579)	19	28.97	0.66	[0.39 - 1.02]
Liver cirrhosis (571)	16	19.1	0.84	[0.48 - 1.36]
DIS. OF GENITO-URINARY SYSTEM (580-629)	2	4.58	0.44	[0.05 - 1.58]
Nephritis & nephrosis (580-589)	0	2.84	0.00	[0.00 - 1.30]
DIS. OF THE SKIN (680-739)	0	0.62	0.00	[0.00 - 5.95]
SYMPTOMS AND ILL-DEFINED CONDITIONS (780-799)	3	4.75	0.63	[0.13 - 1.84]
EXTERNAL CAUSES (E800-999)	24	31.9	0.75	[0.48 - 1.12]
Traffic accident (E810-819)	5	13.58	0.37	[0.12 - 0.86]
Suicide (E950-959)	5	5.61	0.89	[0.29 - 2.08]
Homicide (E960-969)	1	1.9	0.53	[0.01 - 2.93]
Other external causes (E800-807,E820-949,E970-999)	13	10.8	1.20	[0.64 - 2.06]
UNKNOWN CAUSES	9			
OTHER CAUSES	6			

Table 2.1.9
Mortality by cause

Italy
Women

Causes of death (ICD 9th.revision)	Observed	Expected	SMR	95% Confidence intervals
ALL CAUSES	55	82.41	0.67	[0.50 - 0.87]
ALL MALIGNANT NEOPLASMS (140-208)	17	20.25	0.84	[0.49 - 1.34]
Oral cavity & pharynx (140-149)	0	0.19	0.00	[0.00 - 19.5]
Oral cavity (141,143-145)	0	0.08	0.00	[0.00 - 43.8]
Nasopharynx (147)	0	0.02	0.00	[0.00 - 0194]
Oesophagus (150)	0	0.16	0.00	[0.00 - 22.7]
Stomach (151)	1	2.22	0.45	[0.01 - 2.51]
Colon (153)	1	1.54	0.65	[0.02 - 3.63]
Rectum (154)	0	0.75	0.00	[0.00 - 4.91]
Liver (155)	3	0.98	3.06	[0.63 - 8.95]
Gallbladder (156)	0	0.52	0.00	[0.00 - 7.11]
Pancreas (157)	1	0.88	1.13	[0.03 - 6.32]
Peritoneum and other unspecified organs(158-159)	0	0.68	0.00	[0.00 - 5.46]
Nose & sinuses (160)	0	0.02	0.00	[0.00 - 0227]
Larynx (161)	0	0.06	0.00	[0.00 - 61.8]
Lung (162)	2	1.34	1.49	[0.18 - 5.38]
Pleura (163)	1	0.09	11.50	[0.29 - 64.3]
Other respiratory organs (164-165)	0	0.05	0.00	[0.00 - 77.5]
Bone (170)	0	0.15	0.00	[0.00 - 24.9]
Soft tissue (171)	0	0.04	0.00	[0.00 - 91.7]
Melanoma (172)	0	0.15	0.00	[0.00 - 24.8]
Other skin (173)	0	0.07	0.00	[0.00 - 53.1]
Breast (174-175)	2	3.68	0.54	[0.07 - 1.96]
Cervix uteri (180)	0	0.22	0.00	[0.00 - 17.1]
Corpus uteri & uterus unspecified (179,181-182)	1	1.5	0.66	[0.02 - 3.70]
Ovary (183)	1	0.86	1.17	[0.03 - 6.51]
Other female genital organs (184)	0	0.19	0.00	[0.00 - 19.0]
Prostate (185)	0	-	-	-
Testis (186)	0	-	-	-
Other male genital organs (187)	0	-	-	-
Bladder (188)	0	0.32	0.00	[0.00 - 11.4]
Kidney (189)	0	0.29	0.00	[0.00 - 12.6]
Eye (190)	0	0.02	0.00	[0.00 - 0210]
Brain (191-192)	1	0.42	2.37	[0.06 - 13.2]
Thyroid (193)	0	0.15	0.00	[0.00 - 24.0]
Other endocrine glands (194)	0	0.02	0.00	[0.00 - 0212]
Ill defined (195,199)	2	0.84	2.37	[0.29 - 8.57]
Lymphatic & hematopoeitic tissue (200-208)	1	1.53	0.65	[0.02 - 3.63]
Non-Hodgkins lymphoma (200,202)	1	0.39	2.54	[0.06 - 14.2]
Hodgkins disease (201)	0	0.14	0.00	[0.00 - 26.5]
Multiple myeloma (203)	0	0.29	0.00	[0.00 - 12.7]
Leukemia & aleukemia (204-208)	0	0.71	0.00	[0.00 - 5.18]
Lymphoid leukemia (204)	0	0.17	0.00	[0.00 - 21.4]
Myeloid leukemia (205)	0	0.25	0.00	[0.00 - 14.6]
BENIGN NEOPLASMS (210-239)	2	0.48	4.14	[0.50 - 14.9]
DIS. OF ENDOCRINE SYSTEM & BLOOD (240-289)	0	4.36	0.00	[0.00 - 0.85]
MENTAL DISORDERS (290-319)	0	0.46	0.00	[0.00 - 8.04]
DIS. OF NERVOUS SYSTEM (320-389)	0	1.45	0.00	[0.00 - 2.54]
DIS. OF CIRCULATORY SYSTEM (390-459)	27	39.52	0.68	[0.45 - 0.99]
Hypertension (401-405)	1	3.08	0.32	[0.01 - 1.81]
Ischaemic heart disease (410-414)	6	10.09	0.59	[0.22 - 1.29]
Cerebrovascular (430-438)	11	13.16	0.84	[0.42 - 1.50]
Other heart diseases (4150,4152-4299)	6	9.31	0.64	[0.24 - 1.40]
DIS. OF RESPIRATORY SYSTEM (460-519)	3	4.13	0.73	[0.15 - 2.12]
Influenza (487)	0	0.15	0.00	[0.00 - 24.3]
Pneumonia (480-486)	0	1.26	0.00	[0.00 - 2.92]
Bronchitis,emphysema & asthma (490-493)	2	1.87	1.07	[0.13 - 3.87]
Pneumoconioses (500-508)	0	0.01	0.00	[0.00 - 0460]
DIS. OF DIGESTIVE SYSTEM (520-579)	3	4.48	0.67	[0.14 - 1.96]
Liver cirrhosis (571)	0	2.02	0.00	[0.00 - 1.83]
DIS. OF GENITO-URINARY SYSTEM (580-629)	1	1.19	0.84	[0.02 - 4.67]
Nephritis & nephrosis (580-589)	0	0.85	0.00	[0.00 - 4.33]
DIS. OF THE SKIN (680-739)	1	0.4	2.50	[0.06 - 13.9]
SYMPTOMS AND ILL-DEFINED CONDITIONS (780-799)	0	1.83	0.00	[0.00 - 2.02]
EXTERNAL CAUSES (E800-999)	0	3.15	0.00	[0.00 - 1.17]
Traffic accident (E810-819)	0	0.69	0.00	[0.00 - 5.34]
Suicide (E950-959)	0	0.44	0.00	[0.00 - 8.29]
Homicide (E960-969)	0	0.05	0.00	[0.00 - 68.5]
Other external causes (E800-807,E820-949,E970-999)	0	1.96	0.00	[0.00 - 1.89]
UNKNOWN CAUSES	1			
OTHER CAUSES	0			

Table 2.1.10
Mortality by cause

Japan

Causes of death (ICD 9th.revision)	Observed	Expected	SMR	95% Confidence intervals
ALL CAUSES	100	180.26	0.55	[0.45 - 0.67]
ALL MALIGNANT NEOPLASMS (140-208)	40	59.67	0.67	[0.48 - 0.91]
Oral cavity & pharynx (140-149)	2	1.17	1.71	[0.21 - 6.17]
Oral cavity (141,143-145)	0	0.5	0.00	[0.00 - 7.42]
Nasopharynx (147)	0	0.16	0.00	[0.00 - 22.5]
Oesophagus (150)	1	2.83	0.35	[0.01 - 1.97]
Stomach (151)	11	14.75	0.75	[0.37 - 1.33]
Colon (153)	1	3.48	0.29	[0.01 - 1.60]
Rectum (154)	2	2.92	0.69	[0.08 - 2.48]
Liver (155)	8	9.73	0.82	[0.35 - 1.62]
Gallbladder (156)	1	1.71	0.58	[0.01 - 3.26]
Pancreas (157)	0	3.23	0.00	[0.00 - 1.14]
Peritoneum and other unspecified organs(158-159)	0	0.15	0.00	[0.00 - 24.5]
Nose & sinuses (160)	0	0.31	0.00	[0.00 - 11.9]
Larynx (161)	0	0.27	0.00	[0.00 - 13.5]
Lung (162)	4	9	0.44	[0.12 - 1.14]
Pleura (163)	0	0.07	0.00	[0.00 - 52.6]
Other respiratory organs (164-165)	0	0.16	0.00	[0.00 - 23.5]
Bone (170)	1	0.17	5.95	[0.15 - 33.2]
Soft tissue (171)	0	0.22	0.00	[0.00 - 16.4]
Melanoma (172)	0	0.12	0.00	[0.00 - 32.0]
Other skin (173)	0	0.07	0.00	[0.00 - 50.3]
Breast (174-175)	1	0.27	3.73	[0.09 - 20.8]
Cervix uteri (180)	0	0.06	0.00	[0.00 - 65.6]
Corpus uteri & uterus unspecified (179,181-182)	0	0.06	0.00	[0.00 - 63.9]
Ovary (183)	0	0.11	0.00	[0.00 - 32.5]
Other female genital organs (184)	0	-	-	-
Prostate (185)	0	0.48	0.00	[0.00 - 7.69]
Testis (186)	0	0.15	0.00	[0.00 - 23.8]
Other male genital organs (187)	0	0.04	0.00	[0.00 - 82.8]
Bladder (188)	0	0.5	0.00	[0.00 - 7.40]
Kidney (189)	0	0.87	0.00	[0.00 - 4.22]
Eye (190)	0	0.01	0.00	[0.00 - 0383]
Brain (191-192)	1	0.49	2.04	[0.05 - 11.3]
Thyroid (193)	0	0.12	0.00	[0.00 - 30.2]
Other endocrine glands (194)	0	0.06	0.00	[0.00 - 58.8]
Ill defined (195,199)	0	1.13	0.00	[0.00 - 3.26]
Lymphatic & heamatopoeitic tissue (200-208)	7	4.46	1.57	[0.63 - 3.23]
Non-Hodgkins lymphoma (200,202)	1	1.61	0.62	[0.02 - 3.46]
Hodgkins disease (201)	0	0.09	0.00	[0.00 - 42.5]
Multiple myeloma (203)	0	0.41	0.00	[0.00 - 8.98]
Leukemia & aleukemia (204-208)	6	2.36	2.55	[0.93 - 5.54]
Lymphoid leukemia (204)	0	0.51	0.00	[0.00 - 7.27]
Myeloid leukemia (205)	1	1.36	0.73	[0.02 - 4.09]
BENIGN NEOPLASMS (210-239)	0	1.82	0.00	[0.00 - 2.03]
DIS. OF ENDOCRINE SYSTEM & BLOOD (240-289)	2	3.35	0.60	[0.07 - 2.16]
MENTAL DISORDERS (290-319)	0	0.89	0.00	[0.00 - 4.16]
DIS. OF NERVOUS SYSTEM (320-389)	1	1.88	0.53	[0.01 - 2.97]
DIS. OF CIRCULATORY SYSTEM (390-459)	29	46.74	0.62	[0.42 - 0.89]
Hypertension (401-405)	0	0.66	0.00	[0.00 - 5.58]
Ischaemic heart disease (410-414)	6	8.65	0.69	[0.25 - 1.51]
Cerebrovascular (430-438)	8	19.32	0.41	[0.18 - 0.82]
Other heart diseases (4150,4152-4299)	14	16.29	0.86	[0.47 - 1.44]
DIS. OF RESPIRATORY SYSTEM (460-519)	0	8.4	0.00	[0.00 - 0.44]
Influenza (487)	0	0.03	0.00	[0.00 - 0136]
Pneumonia (480-486)	0	4.63	0.00	[0.00 - 0.80]
Bronchitis,emphysema & asthma (490-493)	0	1.62	0.00	[0.00 - 2.28]
Pneumoconioses (500-508)	0	0.41	0.00	[0.00 - 8.92]
DIS. OF DIGESTIVE SYSTEM (520-579)	11	14.57	0.76	[0.38 - 1.35]
Liver cirrhosis (571)	5	10.05	0.50	[0.16 - 1.16]
DIS. OF GENITO-URINARY SYSTEM (580-629)	0	2.42	0.00	[0.00 - 1.52]
Nephritis & nephrosis (580-589)	0	2.24	0.00	[0.00 - 1.65]
DIS. OF THE SKIN (680-739)	0	0.44	0.00	[0.00 - 8.45]
SYMPTOMS AND ILL-DEFINED CONDITIONS (780-799)	0	1.28	0.00	[0.00 - 2.89]
EXTERNAL CAUSES (E800-999)	17	34.98	0.49	[0.28 - 0.78]
Traffic accident (E810-819)	1	7.61	0.13	[0.00 - 0.73]
Suicide (E950-959)	6	15.93	0.38	[0.14 - 0.82]
Homicide (E960-969)	1	0.59	1.69	[0.04 - 9.44]
Other external causes (E800-807,E820-949,E970-999)	9	10.85	0.83	[0.38 - 1.57]
UNKNOWN CAUSES	0			
OTHER CAUSES	0			

Table 2.1.10
Mortality by cause

Japan
Men

Causes of death (ICD 9th.revision)	Observed	Expected	SMR	95% Confidence intervals
ALL CAUSES	96	176.33	0.54	[0.44 - 0.66]
ALL MALIGNANT NEOPLASMS (140-208)	38	58.03	0.65	[0.46 - 0.90]
Oral cavity & pharynx (140-149)	2	1.16	1.73	[0.21 - 6.25]
Oral cavity (141,143-145)	0	0.49	0.00	[0.00 - 7.53]
Nasopharynx (147)	0	0.16	0.00	[0.00 - 22.8]
Oesophagus (150)	1	2.82	0.36	[0.01 - 1.98]
Stomach (151)	10	14.39	0.70	[0.33 - 1.28]
Colon (153)	1	3.36	0.30	[0.01 - 1.66]
Rectum (154)	2	2.85	0.70	[0.08 - 2.54]
Liver (155)	8	9.66	0.83	[0.36 - 1.63]
Gallbladder (156)	1	1.65	0.61	[0.02 - 3.38]
Pancreas (157)	0	3.17	0.00	[0.00 - 1.16]
Peritoneum and other unspecified organs(158-159)	0	0.15	0.00	[0.00 - 25.4]
Nose & sinuses (160)	0	0.31	0.00	[0.00 - 12.1]
Larynx (161)	0	0.27	0.00	[0.00 - 13.5]
Lung (162)	4	8.88	0.45	[0.12 - 1.15]
Pleura (163)	0	0.07	0.00	[0.00 - 53.5]
Other respiratory organs (164-165)	0	0.15	0.00	[0.00 - 24.1]
Bone (170)	1	0.16	6.20	[0.16 - 34.6]
Soft tissue (171)	0	0.22	0.00	[0.00 - 17.2]
Melanoma (172)	0	0.11	0.00	[0.00 - 33.2]
Other skin (173)	0	0.07	0.00	[0.00 - 51.5]
Breast (174-175)	0	0.02	0.00	[0.00 - 0190]
Cervix uteri (180)	0	-	-	-
Corpus uteri & uterus unspecified (179,181-182)	0	-	-	-
Ovary (183)	0	-	-	-
Other female genital organs (184)	0	-	-	-
Prostate (185)	0	0.48	0.00	[0.00 - 7.69]
Testis (186)	0	0.15	0.00	[0.00 - 23.8]
Other male genital organs (187)	0	0.04	0.00	[0.00 - 82.8]
Bladder (188)	0	0.49	0.00	[0.00 - 7.48]
Kidney (189)	0	0.86	0.00	[0.00 - 4.28]
Eye (190)	0	0.01	0.00	[0.00 - 0398]
Brain (191-192)	1	0.47	2.11	[0.05 - 11.7]
Thyroid (193)	0	0.12	0.00	[0.00 - 31.9]
Other endocrine glands (194)	0	0.06	0.00	[0.00 - 60.9]
Ill defined (195,199)	0	1.09	0.00	[0.00 - 3.38]
Lymphatic & hematopoeitic tissue (200-208)	7	4.33	1.62	[0.65 - 3.33]
Non-Hodgkins lymphoma (200,202)	1	1.57	0.64	[0.02 - 3.54]
Hodgkins disease (201)	0	0.09	0.00	[0.00 - 43.3]
Multiple myeloma (203)	0	0.4	0.00	[0.00 - 9.22]
Leukemia & aleukemia (204-208)	6	2.27	2.64	[0.97 - 5.75]
Lymphoid leukemia (204)	0	0.49	0.00	[0.00 - 7.60]
Myeloid leukemia (205)	1	1.31	0.76	[0.02 - 4.24]
BENIGN NEOPLASMS (210-239)	0	1.77	0.00	[0.00 - 2.09]
DIS. OF ENDOCRINE SYSTEM & BLOOD (240-289)	2	3.26	0.61	[0.07 - 2.22]
MENTAL DISORDERS (290-319)	0	0.87	0.00	[0.00 - 4.22]
DIS. OF NERVOUS SYSTEM (320-389)	1	1.82	0.55	[0.01 - 3.06]
DIS. OF CIRCULATORY SYSTEM (390-459)	28	45.89	0.61	[0.41 - 0.88]
Hypertension (401-405)	0	0.65	0.00	[0.00 - 5.69]
Ischaemic heart disease (410-414)	6	8.55	0.70	[0.26 - 1.53]
Cerebrovascular (430-438)	8	18.92	0.42	[0.18 - 0.83]
Other heart diseases (4150,4152-4299)	13	15.99	0.81	[0.43 - 1.39]
DIS. OF RESPIRATORY SYSTEM (460-519)	0	8.24	0.00	[0.00 - 0.45]
Influenza (487)	0	0.03	0.00	[0.00 - 0142]
Pneumonia (480-486)	0	4.55	0.00	[0.00 - 0.81]
Bronchitis,emphysema & asthma (490-493)	0	1.58	0.00	[0.00 - 2.33]
Pneumoconioses (500-508)	0	0.41	0.00	[0.00 - 8.99]
DIS. OF DIGESTIVE SYSTEM (520-579)	11	14.42	0.76	[0.38 - 1.37]
Liver cirrhosis (571)	5	9.97	0.50	[0.16 - 1.17]
DIS. OF GENITO-URINARY SYSTEM (580-629)	0	2.36	0.00	[0.00 - 1.56]
Nephritis & nephrosis (580-589)	0	2.18	0.00	[0.00 - 1.69]
DIS. OF THE SKIN (680-739)	0	0.38	0.00	[0.00 - 9.65]
SYMPTOMS AND ILL-DEFINED CONDITIONS (780-799)	0	1.25	0.00	[0.00 - 2.94]
EXTERNAL CAUSES (E800-999)	16	34.31	0.47	[0.27 - 0.76]
Traffic accident (E810-819)	1	7.46	0.13	[0.00 - 0.75]
Suicide (E950-959)	6	15.55	0.39	[0.14 - 0.84]
Homicide (E960-969)	1	0.57	1.74	[0.04 - 9.72]
Other external causes (E800-807,E820-949,E970-999)	8	10.73	0.75	[0.32 - 1.47]
UNKNOWN CAUSES	0			
OTHER CAUSES	0			

Table 2.1.10
Mortality by cause

Japan
Women

Causes of death (ICD 9th.revision)	Observed	Expected	SMR	95% Confidence intervals
ALL CAUSES	4	3.93	1.02	[0.28 - 2.60]
ALL MALIGNANT NEOPLASMS (140-208)	2	1.64	1.22	[0.15 - 4.40]
Oral cavity & pharynx (140-149)	0	0.01	0.00	[0.00 - 0.254]
Oral cavity (141,143-145)	0	0.01	0.00	[0.00 - 0.506]
Nasopharynx (147)	0	-	-	-
Oesophagus (150)	0	0.01	0.00	[0.00 - 0.295]
Stomach (151)	1	0.36	2.74	[0.07 - 15.3]
Colon (153)	0	0.12	0.00	[0.00 - 31.9]
Rectum (154)	0	0.07	0.00	[0.00 - 52.4]
Liver (155)	0	0.07	0.00	[0.00 - 53.7]
Gallbladder (156)	0	0.06	0.00	[0.00 - 57.9]
Pancreas (157)	0	0.06	0.00	[0.00 - 58.2]
Peritoneum and other unspecified organs(158-159)	0	0.01	0.00	[0.00 - 0.705]
Nose & sinuses (160)	0	0.01	0.00	[0.00 - 0.708]
Larynx (161)	0	-	-	-
Lung (162)	0	0.13	0.00	[0.00 - 29.3]
Pleura (163)	0	-	-	-
Other respiratory organs (164-165)	0	-	-	-
Bone (170)	0	0.01	0.00	[0.00 - 0.546]
Soft tissue (171)	0	0.01	0.00	[0.00 - 0.390]
Melanoma (172)	0	-	-	-
Other skin (173)	0	-	-	-
Breast (174-175)	1	0.25	4.02	[0.10 - 22.4]
Cervix uteri (180)	0	0.06	0.00	[0.00 - 65.6]
Corpus uteri & uterus unspecified (179,181-182)	0	0.06	0.00	[0.00 - 63.9]
Ovary (183)	0	0.11	0.00	[0.00 - 32.5]
Other female genital organs (184)	0	-	-	-
Prostate (185)	0	-	-	-
Testis (186)	0	-	-	-
Other male genital organs (187)	0	-	-	-
Bladder (188)	0	0.01	0.00	[0.00 - 0.720]
Kidney (189)	0	0.01	0.00	[0.00 - 0.300]
Eye (190)	0	-	-	-
Brain (191-192)	0	0.02	0.00	[0.00 - 0.219]
Thyroid (193)	0	0.01	0.00	[0.00 - 0.569]
Other endocrine glands (194)	0	-	-	-
Ill defined (195,199)	0	0.04	0.00	[0.00 - 98.2]
Lymphatic & hematopoeitic tissue (200-208)	0	0.14	0.00	[0.00 - 26.9]
Non-Hodgkins lymphoma (200,202)	0	0.04	0.00	[0.00 - 93.0]
Hodgkins disease (201)	0	-	-	-
Multiple myeloma (203)	0	0.01	0.00	[0.00 - 0.335]
Leukemia & aleukemia (204-208)	0	0.08	0.00	[0.00 - 43.4]
Lymphoid leukemia (204)	0	0.02	0.00	[0.00 - 0.165]
Myeloid leukemia (205)	0	0.05	0.00	[0.00 - 79.0]
BENIGN NEOPLASMS (210-239)	0	0.05	0.00	[0.00 - 70.2]
DIS. OF ENDOCRINE SYSTEM & BLOOD (240-289)	0	0.09	0.00	[0.00 - 41.8]
MENTAL DISORDERS (290-319)	0	0.01	0.00	[0.00 - 0.269]
DIS. OF NERVOUS SYSTEM (320-389)	0	0.06	0.00	[0.00 - 60.7]
DIS. OF CIRCULATORY SYSTEM (390-459)	1	0.85	1.17	[0.03 - 6.53]
Hypertension (401-405)	0	0.01	0.00	[0.00 - 0.290]
Ischaemic heart disease (410-414)	0	0.09	0.00	[0.00 - 39.6]
Cerebrovascular (430-438)	0	0.4	0.00	[0.00 - 9.16]
Other heart diseases (4150,4152-4299)	1	0.3	3.33	[0.08 - 18.6]
DIS. OF RESPIRATORY SYSTEM (460-519)	0	0.16	0.00	[0.00 - 23.4]
Influenza (487)	0	-	-	-
Pneumonia (480-486)	0	0.08	0.00	[0.00 - 47.4]
Bronchitis,emphysema & asthma (490-493)	0	0.04	0.00	[0.00 - 92.8]
Pneumoconioses (500-508)	0	-	-	-
DIS. OF DIGESTIVE SYSTEM (520-579)	0	0.15	0.00	[0.00 - 24.1]
Liver cirrhosis (571)	0	0.09	0.00	[0.00 - 43.4]
DIS. OF GENITO-URINARY SYSTEM (580-629)	0	0.06	0.00	[0.00 - 61.0]
Nephritis & nephrosis (580-589)	0	0.05	0.00	[0.00 - 68.8]
DIS. OF THE SKIN (680-739)	0	0.05	0.00	[0.00 - 67.9]
SYMPTOMS AND ILL-DEFINED CONDITIONS (780-799)	0	0.02	0.00	[0.00 - 0.166]
EXTERNAL CAUSES (E800-999)	1	0.67	1.49	[0.04 - 8.32]
Traffic accident (E810-819)	0	0.14	0.00	[0.00 - 25.7]
Suicide (E950-959)	0	0.38	0.00	[0.00 - 9.59]
Homicide (E960-969)	0	0.02	0.00	[0.00 - 0.216]
Other external causes (E800-807,E820-949,E970-999)	1	0.12	8.03	[0.20 - 44.7]
UNKNOWN CAUSES	0	-	-	-
OTHER CAUSES	0	-	-	-

Table 2.1.11
Mortality by cause

New Zealand

Causes of death (ICD 9th.revision)	Observed	Expected	SMR	95% Confidence intervals
ALL CAUSES	314	394.28	0.80	[0.71 - 0.89]
ALL MALIGNANT NEOPLASMS (140-208)	103	108.37	0.95	[0.78 - 1.15]
Oral cavity & pharynx (140-149)	2	2.85	0.70	[0.08 - 2.53]
Oral cavity (141,143-145)	2	1.15	1.74	[0.21 - 6.29]
Nasopharynx (147)	0	0.43	0.00	[0.00 - 8.67]
Oesophagus (150)	6	3.19	1.88	[0.69 - 4.09]
Stomach (151)	4	5.72	0.70	[0.19 - 1.79]
Colon (153)	7	10.31	0.68	[0.27 - 1.40]
Rectum (154)	4	7.03	0.57	[0.16 - 1.46]
Liver (155)	5	2.08	2.40	[0.78 - 5.60]
Gallbladder (156)	1	0.66	1.51	[0.04 - 8.42]
Pancreas (157)	6	4.34	1.38	[0.51 - 3.01]
Peritoneum and other unspecified organs(158-159)	0	0.83	0.00	[0.00 - 4.46]
Nose & sinuses (160)	0	0.18	0.00	[0.00 - 20.8]
Larynx (161)	0	0.99	0.00	[0.00 - 3.71]
Lung (162)	37	27.86	1.33	[0.94 - 1.83]
Pleura (163)	2	0.37	5.44	[0.66 - 19.7]
Other respiratory organs (164-165)	0	0.24	0.00	[0.00 - 15.4]
Bone (170)	0	0.53	0.00	[0.00 - 6.96]
Soft tissue (171)	0	0.7	0.00	[0.00 - 5.27]
Melanoma (172)	3	4.89	0.61	[0.13 - 1.79]
Other skin (173)	0	0.6	0.00	[0.00 - 6.11]
Breast (174-175)	4	2.06	1.94	[0.53 - 4.97]
Cervix uteri (180)	1	0.45	2.21	[0.06 - 12.3]
Corpus uteri & uterus unspecified (179,181-182)	1	0.13	7.67	[0.19 - 42.7]
Ovary (183)	1	0.45	2.22	[0.06 - 12.4]
Other female genital organs (184)	0	0.03	0.00	[0.00 - 0.133]
Prostate (185)	0	5.19	0.00	[0.00 - 0.71]
Testis (186)	3	0.85	3.55	[0.73 - 10.4]
Other male genital organs (187)	0	0.07	0.00	[0.00 - 52.5]
Bladder (188)	4	1.87	2.14	[0.58 - 5.49]
Kidney (189)	0	2.69	0.00	[0.00 - 1.37]
Eye (190)	0	0.16	0.00	[0.00 - 23.5]
Brain (191-192)	3	5.07	0.59	[0.12 - 1.73]
Thyroid (193)	1	0.19	5.39	[0.13 - 30.0]
Other endocrine glands (194)	0	0.2	0.00	[0.00 - 18.6]
Ill defined (195,199)	3	5.61	0.53	[0.11 - 1.56]
Lymphatic & heamatopoeitic tissue (200-208)	5	9.65	0.52	[0.17 - 1.21]
Non-Hodgkins lymphoma (200,202)	1	3.46	0.29	[0.01 - 1.61]
Hodgkins disease (201)	0	0.63	0.00	[0.00 - 5.85]
Multiple myeloma (203)	2	1.63	1.23	[0.15 - 4.44]
Leukemia & aleukemia (204-208)	2	3.94	0.51	[0.06 - 1.84]
Lymphoid leukemia (204)	0	1.07	0.00	[0.00 - 3.45]
Myeloid leukemia (205)	2	2.51	0.80	[0.10 - 2.88]
BENIGN NEOPLASMS (210-239)	1	0.75	1.34	[0.03 - 7.47]
DIS. OF ENDOCRINE SYSTEM & BLOOD (240-289)	6	10.87	0.55	[0.20 - 1.20]
MENTAL DISORDERS (290-319)	3	2.54	1.18	[0.24 - 3.46]
DIS. OF NERVOUS SYSTEM (320-389)	2	6.05	0.33	[0.04 - 1.19]
DIS. OF CIRCULATORY SYSTEM (390-459)	119	153.42	0.78	[0.64 - 0.93]
Hypertension (401-405)	2	2.62	0.76	[0.09 - 2.76]
Ischaemic heart disease (410-414)	94	110.47	0.85	[0.69 - 1.04]
Cerebrovascular (430-438)	13	19.23	0.68	[0.36 - 1.16]
Other heart diseases (4150,4152-4299)	3	11.83	0.25	[0.05 - 0.74]
DIS. OF RESPIRATORY SYSTEM (460-519)	22	23.08	0.95	[0.60 - 1.44]
Influenza (487)	0	0.21	0.00	[0.00 - 17.4]
Pneumonia (480-486)	2	4.04	0.50	[0.06 - 1.79]
Bronchitis,emphysema & asthma (490-493)	11	9.28	1.18	[0.59 - 2.12]
Pneumoconioses (500-508)	0	0.16	0.00	[0.00 - 23.7]
DIS. OF DIGESTIVE SYSTEM (520-579)	10	9.38	1.07	[0.51 - 1.96]
Liver cirrhosis (571)	3	4.12	0.73	[0.15 - 2.13]
DIS. OF GENITO-URINARY SYSTEM (580-629)	2	2.77	0.72	[0.09 - 2.61]
Nephritis & nephrosis (580-589)	1	1.81	0.55	[0.01 - 3.08]
DIS. OF THE SKIN (680-739)	0	1.39	0.00	[0.00 - 2.65]
SYMPTOMS AND ILL-DEFINED CONDITIONS (780-799)	1	0.53	1.89	[0.05 - 10.5]
EXTERNAL CAUSES (E800-999)	39	70.85	0.55	[0.39 - 0.75]
Traffic accident (E810-819)	15	27.12	0.55	[0.31 - 0.91]
Suicide (E950-959)	9	19.81	0.45	[0.21 - 0.86]
Homicide (E960-969)	0	2.58	0.00	[0.00 - 1.43]
Other external causes (E800-807,E820-949,E970-999)	15	21.34	0.70	[0.39 - 1.16]
UNKNOWN CAUSES	2			
OTHER CAUSES	4			

Table 2.1.11
Mortality by cause

New Zealand
Men

Causes of death (ICD 9th.revision)	Observed	Expected	SMR	95% Confidence intervals
ALL CAUSES	301	376.78	0.80	[0.71 - 0.89]
ALL MALIGNANT NEOPLASMS (140-208)	94	101.03	0.93	[0.75 - 1.14]
Oral cavity & pharynx (140-149)	2	2.79	0.72	[0.09 - 2.59]
Oral cavity (141,143-145)	2	1.12	1.79	[0.22 - 6.46]
Nasopharynx (147)	0	0.42	0.00	[0.00 - 8.79]
Oesophagus (150)	6	3.13	1.92	[0.70 - 4.17]
Stomach (151)	3	5.5	0.55	[0.11 - 1.59]
Colon (153)	7	9.58	0.73	[0.29 - 1.51]
Rectum (154)	4	6.75	0.59	[0.16 - 1.52]
Liver (155)	5	2.02	2.47	[0.80 - 5.77]
Gallbladder (156)	1	0.61	1.65	[0.04 - 9.18]
Pancreas (157)	6	4.17	1.44	[0.53 - 3.13]
Peritoneum and other unspecified organs(158-159)	0	0.78	0.00	[0.00 - 4.73]
Nose & sinuses (160)	0	0.17	0.00	[0.00 - 22.2]
Larynx (161)	0	0.98	0.00	[0.00 - 3.76]
Lung (162)	36	26.99	1.33	[0.93 - 1.85]
Pleura (163)	2	0.36	5.52	[0.67 - 19.9]
Other respiratory organs (164-165)	0	0.23	0.00	[0.00 - 16.2]
Bone (170)	0	0.5	0.00	[0.00 - 7.45]
Soft tissue (171)	0	0.65	0.00	[0.00 - 5.67]
Melanoma (172)	3	4.63	0.65	[0.13 - 1.89]
Other skin (173)	0	0.59	0.00	[0.00 - 6.22]
Breast (174-175)	0	0.09	0.00	[0.00 - 38.9]
Cervix uteri (180)	0	-	-	-
Corpus uteri & uterus unspecified (179,181-182)	0	-	-	-
Ovary (183)	0	-	-	-
Other female genital organs (184)	0	-	-	-
Prostate (185)	0	5.19	0.00	[0.00 - 0.71]
Testis (186)	3	0.85	3.55	[0.73 - 10.4]
Other male genital organs (187)	0	0.07	0.00	[0.00 - 52.5]
Bladder (188)	4	1.83	2.19	[0.60 - 5.60]
Kidney (189)	0	2.59	0.00	[0.00 - 1.42]
Eye (190)	0	0.15	0.00	[0.00 - 24.9]
Brain (191-192)	3	4.78	0.63	[0.13 - 1.83]
Thyroid (193)	1	0.16	6.16	[0.15 - 34.3]
Other endocrine glands (194)	0	0.18	0.00	[0.00 - 20.8]
Ill defined (195,199)	3	5.27	0.57	[0.12 - 1.66]
Lymphatic & hematopoeitic tissue (200-208)	5	9.12	0.55	[0.18 - 1.28]
Non-Hodgkins lymphoma (200,202)	1	3.28	0.31	[0.01 - 1.70]
Hodgkins disease (201)	0	0.6	0.00	[0.00 - 6.16]
Multiple myeloma (203)	2	1.56	1.28	[0.16 - 4.63]
Leukemia & aleukemia (204-208)	2	3.68	0.54	[0.07 - 1.96]
Lymphoid leukemia (204)	0	1	0.00	[0.00 - 3.68]
Myeloid leukemia (205)	2	2.34	0.85	[0.10 - 3.08]
BENIGN NEOPLASMS (210-239)	1	0.69	1.45	[0.04 - 8.07]
DIS. OF ENDOCRINE SYSTEM & BLOOD (240-289)	6	10.33	0.58	[0.21 - 1.26]
MENTAL DISORDERS (290-319)	3	2.44	1.23	[0.25 - 3.60]
DIS. OF NERVOUS SYSTEM (320-389)	2	5.67	0.35	[0.04 - 1.27]
DIS. OF CIRCULATORY SYSTEM (390-459)	117	149.08	0.78	[0.65 - 0.94]
Hypertension (401-405)	2	2.48	0.81	[0.10 - 2.91]
Ischaemic heart disease (410-414)	92	108.25	0.85	[0.69 - 1.04]
Cerebrovascular (430-438)	13	18.14	0.72	[0.38 - 1.23]
Other heart diseases (4150,4152-4299)	3	11.38	0.26	[0.05 - 0.77]
DIS. OF RESPIRATORY SYSTEM (460-519)	22	21.91	1.00	[0.63 - 1.52]
Influenza (487)	0	0.2	0.00	[0.00 - 18.4]
Pneumonia (480-486)	2	3.89	0.51	[0.06 - 1.86]
Bronchitis,emphysema & asthma (490-493)	11	8.71	1.26	[0.63 - 2.26]
Pneumoconioses (500-508)	0	0.15	0.00	[0.00 - 24.7]
DIS. OF DIGESTIVE SYSTEM (520-579)	10	9.01	1.11	[0.53 - 2.04]
Liver cirrhosis (571)	3	3.99	0.75	[0.16 - 2.20]
DIS. OF GENITO-URINARY SYSTEM (580-629)	2	2.58	0.78	[0.09 - 2.80]
Nephritis & nephrosis (580-589)	1	1.7	0.59	[0.01 - 3.27]
DIS. OF THE SKIN (680-739)	0	1.25	0.00	[0.00 - 2.95]
SYMPTOMS AND ILL-DEFINED CONDITIONS (780-799)	1	0.5	2.00	[0.05 - 11.2]
EXTERNAL CAUSES (E800-999)	37	68.39	0.54	[0.38 - 0.75]
Traffic accident (E810-819)	14	25.95	0.54	[0.29 - 0.91]
Suicide (E950-959)	8	19.15	0.42	[0.18 - 0.82]
Homicide (E960-969)	0	2.44	0.00	[0.00 - 1.51]
Other external causes (E800-807,E820-949,E970-999)	15	20.86	0.72	[0.40 - 1.19]
UNKNOWN CAUSES	2			
OTHER CAUSES	4			

Table 2.1.11
Mortality by cause

New Zealand
Women

Causes of death (ICD 9th.revision)	Observed	Expected	SMR	95% Confidence intervals
ALL CAUSES	13	17.49	0.74	[0.40 - 1.27]
ALL MALIGNANT NEOPLASMS (140-208)	9	7.35	1.22	[0.56 - 2.32]
Oral cavity & pharynx (140-149)	0	0.06	0.00	[0.00 - 60.1]
Oral cavity (141,143-145)	0	0.03	0.00	[0.00 - 0117]
Nasopharynx (147)	0	0.01	0.00	[0.00 - 0606]
Oesophagus (150)	0	0.06	0.00	[0.00 - 57.0]
Stomach (151)	1	0.23	4.43	[0.11 - 24.7]
Colon (153)	0	0.73	0.00	[0.00 - 5.08]
Rectum (154)	0	0.28	0.00	[0.00 - 13.0]
Liver (155)	0	0.06	0.00	[0.00 - 57.6]
Gallbladder (156)	0	0.05	0.00	[0.00 - 68.0]
Pancreas (157)	0	0.17	0.00	[0.00 - 21.9]
Peritoneum and other unspecified organs(158-159)	0	0.05	0.00	[0.00 - 77.4]
Nose & sinuses (160)	0	0.01	0.00	[0.00 - 0338]
Larynx (161)	0	0.01	0.00	[0.00 - 0284]
Lung (162)	1	0.87	1.15	[0.03 - 6.43]
Pleura (163)	0	0.01	0.00	[0.00 - 0722]
Other respiratory organs (164-165)	0	0.01	0.00	[0.00 - 0306]
Bone (170)	0	0.03	0.00	[0.00 - 0106]
Soft tissue (171)	0	0.05	0.00	[0.00 - 73.9]
Melanoma (172)	0	0.26	0.00	[0.00 - 14.1]
Other skin (173)	0	0.01	0.00	[0.00 - 0350]
Breast (174-175)	4	1.97	2.03	[0.55 - 5.21]
Cervix uteri (180)	1	0.45	2.21	[0.06 - 12.3]
Corpus uteri & uterus unspecified (179,181-182)	1	0.13	7.67	[0.19 - 42.7]
Ovary (183)	1	0.45	2.22	[0.06 - 12.4]
Other female genital organs (184)	0	0.03	0.00	[0.00 - 0133]
Prostate (185)	0	-	-	-
Testis (186)	0	-	-	-
Other male genital organs (187)	0	-	-	-
Bladder (188)	0	0.04	0.00	[0.00 - 97.7]
Kidney (189)	0	0.09	0.00	[0.00 - 39.7]
Eye (190)	0	0.01	0.00	[0.00 - 0423]
Brain (191-192)	0	0.28	0.00	[0.00 - 13.1]
Thyroid (193)	0	0.02	0.00	[0.00 - 0158]
Other endocrine glands (194)	0	0.02	0.00	[0.00 - 0171]
Ill defined (195,199)	0	0.34	0.00	[0.00 - 10.8]
Lymphatic & hematopoeitic tissue (200-208)	0	0.54	0.00	[0.00 - 6.89]
Non-Hodgkins lymphoma (200,202)	0	0.18	0.00	[0.00 - 20.1]
Hodgkins disease (201)	0	0.03	0.00	[0.00 - 0118]
Multiple myeloma (203)	0	0.07	0.00	[0.00 - 55.4]
Leukemia & aleukemia (204-208)	0	0.25	0.00	[0.00 - 14.5]
Lymphoid leukemia (204)	0	0.06	0.00	[0.00 - 57.3]
Myeloid leukemia (205)	0	0.17	0.00	[0.00 - 22.3]
BENIGN NEOPLASMS (210-239)	0	0.06	0.00	[0.00 - 66.7]
DIS. OF ENDOCRINE SYSTEM & BLOOD (240-289)	0	0.54	0.00	[0.00 - 6.86]
MENTAL DISORDERS (290-319)	0	0.1	0.00	[0.00 - 36.3]
DIS. OF NERVOUS SYSTEM (320-389)	0	0.38	0.00	[0.00 - 9.60]
DIS. OF CIRCULATORY SYSTEM (390-459)	2	4.35	0.46	[0.06 - 1.66]
Hypertension (401-405)	0	0.14	0.00	[0.00 - 26.7]
Ischaemic heart disease (410-414)	2	2.22	0.90	[0.11 - 3.25]
Cerebrovascular (430-438)	0	1.09	0.00	[0.00 - 3.39]
Other heart diseases (4150,4152-4299)	0	0.45	0.00	[0.00 - 8.27]
DIS. OF RESPIRATORY SYSTEM (460-519)	0	1.18	0.00	[0.00 - 3.13]
Influenza (487)	0	0.01	0.00	[0.00 - 0326]
Pneumonia (480-486)	0	0.15	0.00	[0.00 - 24.2]
Bronchitis,emphysema & asthma (490-493)	0	0.58	0.00	[0.00 - 6.40]
Pneumoconioses (500-508)	0	0.01	0.00	[0.00 - 0593]
DIS. OF DIGESTIVE SYSTEM (520-579)	0	0.37	0.00	[0.00 - 10.0]
Liver cirrhosis (571)	0	0.13	0.00	[0.00 - 28.5]
DIS. OF GENITO-URINARY SYSTEM (580-629)	0	0.19	0.00	[0.00 - 19.6]
Nephritis & nephrosis (580-589)	0	0.11	0.00	[0.00 - 34.7]
DIS. OF THE SKIN (680-739)	0	0.14	0.00	[0.00 - 25.7]
SYMPTOMS AND ILL-DEFINED CONDITIONS (780-799)	0	0.03	0.00	[0.00 - 0119]
EXTERNAL CAUSES (E800-999)	2	2.46	0.81	[0.10 - 2.94]
Traffic accident (E810-819)	1	1.17	0.85	[0.02 - 4.75]
Suicide (E950-959)	1	0.66	1.51	[0.04 - 8.40]
Homicide (E960-969)	0	0.14	0.00	[0.00 - 26.1]
Other external causes (E800-807,E820-949,E970-999)	0	0.48	0.00	[0.00 - 7.67]
UNKNOWN CAUSES	0			
OTHER CAUSES	0			

Table 2.1.12
Mortality by cause

Norway

Causes of death (ICD 9th.revision)	Observed	Expected	SMR	95% Confidence intervals
ALL CAUSES	7405	7294.68	1.02	[0.99 - 1.04]
ALL MALIGNANT NEOPLASMS (140-208)	1735	1706.3	1.02	[0.97 - 1.07]
Oral cavity & pharynx (140-149)	25	32.63	0.77	[0.50 - 1.13]
Oral cavity (141,143-145)	13	15.19	0.86	[0.46 - 1.46]
Nasopharynx (147)	3	2.64	1.14	[0.23 - 3.32]
Oesophagus (150)	26	30.29	0.86	[0.56 - 1.26]
Stomach (151)	176	196.39	0.90	[0.77 - 1.04]
Colon (153)	135	126.25	1.07	[0.90 - 1.27]
Rectum (154)	90	88	1.02	[0.82 - 1.26]
Liver (155)	15	17.69	0.85	[0.47 - 1.40]
Gallbladder (156)	5	10.64	0.47	[0.15 - 1.10]
Pancreas (157)	92	95.74	0.96	[0.77 - 1.18]
Peritoneum and other unspecified organs(158-159)	0	0.25	0.00	[0.00 - 15.0]
Nose & sinuses (160)	5	5.39	0.93	[0.30 - 2.16]
Larynx (161)	8	11.4	0.70	[0.30 - 1.38]
Lung (162)	371	306.55	1.21	[1.09 - 1.34]
Pleura (163)	13	7.22	1.80	[0.96 - 3.08]
Other respiratory organs (164-165)	7	2.06	3.40	[1.37 - 7.00]
Bone (170)	3	4.37	0.69	[0.14 - 2.01]
Soft tissue (171)	6	8.61	0.70	[0.26 - 1.52]
Melanoma (172)	36	33.23	1.08	[0.76 - 1.50]
Other skin (173)	4	4.84	0.83	[0.23 - 2.12]
Breast (174-175)	34	31.97	1.06	[0.74 - 1.49]
Cervix uteri (180)	7	8.97	0.78	[0.31 - 1.61]
Corpus uteri & uterus unspecified (179,181-182)	4	4.36	0.92	[0.25 - 2.35]
Ovary (183)	14	14.21	0.99	[0.54 - 1.65]
Other female genital organs (184)	1	1.3	0.77	[0.02 - 4.28]
Prostate (185)	198	203.41	0.97	[0.84 - 1.12]
Testis (186)	6	8.75	0.69	[0.25 - 1.49]
Other male genital organs (187)	5	2.21	2.26	[0.73 - 5.27]
Bladder (188)	66	62.65	1.05	[0.81 - 1.34]
Kidney (189)	60	54.19	1.11	[0.84 - 1.43]
Eye (190)	2	3.34	0.60	[0.07 - 2.16]
Brain (191-192)	46	51.46	0.89	[0.65 - 1.19]
Thyroid (193)	2	5.59	0.36	[0.04 - 1.29]
Other endocrine glands (194)	0	2.26	0.00	[0.00 - 1.63]
Ill defined (195,199)	107	105.87	1.01	[0.83 - 1.22]
Lymphatic & heamatopoeitic tissue (200-208)	151	156.09	0.97	[0.82 - 1.13]
Non-Hodgkins lymphoma (200,202)	47	45.47	1.03	[0.76 - 1.37]
Hodgkins disease (201)	14	13.75	1.02	[0.56 - 1.71]
Multiple myeloma (203)	31	38.1	0.81	[0.55 - 1.15]
Leukemia & aleukemia (204-208)	59	58.97	1.00	[0.76 - 1.29]
Lymphoid leukemia (204)	16	13.52	1.18	[0.68 - 1.92]
Myeloid leukemia (205)	25	24.95	1.00	[0.65 - 1.48]
BENIGN NEOPLASMS (210-239)	31	34.38	0.90	[0.61 - 1.28]
DIS. OF ENDOCRINE SYSTEM & BLOOD (240-289)	93	105.56	0.88	[0.71 - 1.08]
MENTAL DISORDERS (290-319)	74	75.2	0.98	[0.77 - 1.24]
DIS. OF NERVOUS SYSTEM (320-389)	106	110.64	0.96	[0.78 - 1.16]
DIS. OF CIRCULATORY SYSTEM (390-459)	3604	3465.82	1.04	[1.01 - 1.07]
Hypertension (401-405)	72	87.63	0.82	[0.64 - 1.03]
Ischaemic heart disease (410-414)	2342	2186.87	1.07	[1.03 - 1.12]
Cerebrovascular (430-438)	725	694.63	1.04	[0.97 - 1.12]
Other heart diseases (4150,4152-4299)	212	257.69	0.82	[0.72 - 0.94]
DIS. OF RESPIRATORY SYSTEM (460-519)	459	493.4	0.93	[0.85 - 1.02]
Influenza (487)	17	15.05	1.13	[0.66 - 1.81]
Pneumonia (480-486)	216	271.81	0.79	[0.69 - 0.91]
Bronchitis,emphysema & asthma (490-493)	165	145.37	1.14	[0.97 - 1.32]
Pneumoconioses (500-508)	2	3.07	0.65	[0.08 - 2.36]
DIS. OF DIGESTIVE SYSTEM (520-579)	191	196.45	0.97	[0.84 - 1.12]
Liver cirrhosis (571)	52	48.39	1.07	[0.80 - 1.41]
DIS. OF GENITO-URINARY SYSTEM (580-629)	105	107.14	0.98	[0.80 - 1.19]
Nephritis & nephrosis (580-589)	39	43.07	0.91	[0.64 - 1.24]
DIS. OF THE SKIN (680-739)	27	28.14	0.96	[0.63 - 1.40]
SYMPTOMS AND ILL-DEFINED CONDITIONS (780-799)	301	332.2	0.91	[0.81 - 1.01]
EXTERNAL CAUSES (E800-999)	543	556.32	0.98	[0.90 - 1.06]
Traffic accident (E810-819)	90	91.95	0.98	[0.79 - 1.20]
Suicide (E950-959)	155	143.2	1.08	[0.92 - 1.27]
Homicide (E960-969)	12	8.83	1.36	[0.70 - 2.37]
Other external causes (E800-807,E820-949,E970-999)	286	312.35	0.92	[0.81 - 1.03]
UNKNOWN CAUSES	0			
OTHER CAUSES	136			

Table 2.1.12
Mortality by cause

Norway
Men

Causes of death (ICD 9th.revision)	Observed	Expected	SMR	95% Confidence intervals
ALL CAUSES	6873	6788.29	1.01	[0.99 - 1.04]
ALL MALIGNANT NEOPLASMS (140-208)	1563	1547.96	1.01	[0.96 - 1.06]
Oral cavity & pharynx (140-149)	24	31.14	0.77	[0.49 - 1.15]
Oral cavity (141,143-145)	12	14.41	0.83	[0.43 - 1.46]
Nasopharynx (147)	3	2.53	1.18	[0.24 - 3.46]
Oesophagus (150)	25	29.36	0.85	[0.55 - 1.26]
Stomach (151)	162	185.16	0.87	[0.75 - 1.02]
Colon (153)	125	112.52	1.11	[0.92 - 1.32]
Rectum (154)	83	81.23	1.02	[0.81 - 1.27]
Liver (155)	13	16.3	0.80	[0.42 - 1.36]
Gallbladder (156)	5	9.05	0.55	[0.18 - 1.29]
Pancreas (157)	80	88.01	0.91	[0.72 - 1.13]
Peritoneum and other unspecified organs(158-159)	0	0.23	0.00	[0.00 - 16.3]
Nose & sinuses (160)	5	5.09	0.98	[0.32 - 2.29]
Larynx (161)	8	11.24	0.71	[0.31 - 1.40]
Lung (162)	351	294.97	1.19	[1.07 - 1.32]
Pleura (163)	13	7.06	1.84	[0.98 - 3.15]
Other respiratory organs (164-165)	7	1.92	3.65	[1.47 - 7.52]
Bone (170)	3	4.04	0.74	[0.15 - 2.17]
Soft tissue (171)	4	7.72	0.52	[0.14 - 1.33]
Melanoma (172)	35	30.13	1.16	[0.81 - 1.62]
Other skin (173)	4	4.52	0.89	[0.24 - 2.27]
Breast (174-175)	0	1.28	0.00	[0.00 - 2.89]
Cervix uteri (180)	0	-	-	-
Corpus uteri & uterus unspecified (179,181-182)	0	-	-	-
Ovary (183)	0	-	-	-
Other female genital organs (184)	0	-	-	-
Prostate (185)	198	203.41	0.97	[0.84 - 1.12]
Testis (186)	6	8.75	0.69	[0.25 - 1.49]
Other male genital organs (187)	5	2.21	2.26	[0.73 - 5.27]
Bladder (188)	63	60.19	1.05	[0.80 - 1.34]
Kidney (189)	55	50.68	1.09	[0.82 - 1.41]
Eye (190)	2	3.03	0.66	[0.08 - 2.39]
Brain (191-192)	40	46.6	0.86	[0.61 - 1.17]
Thyroid (193)	2	4.75	0.42	[0.05 - 1.52]
Other endocrine glands (194)	0	1.98	0.00	[0.00 - 1.86]
Ill defined (195,199)	87	95.14	0.91	[0.73 - 1.13]
Lymphatic & hematopoietic tissue (200-208)	146	142.87	1.02	[0.86 - 1.20]
Non-Hodgkins lymphoma (200,202)	46	41.6	1.11	[0.81 - 1.48]
Hodgkins disease (201)	14	12.61	1.11	[0.61 - 1.86]
Multiple myeloma (203)	28	34.95	0.80	[0.53 - 1.16]
Leukemia & aleukemia (204-208)	58	53.91	1.08	[0.82 - 1.39]
Lymphoid leukemia (204)	15	12.64	1.19	[0.66 - 1.96]
Myeloid leukemia (205)	25	22.44	1.11	[0.72 - 1.64]
BENIGN NEOPLASMS (210-239)	29	30.89	0.94	[0.63 - 1.35]
DIS. OF ENDOCRINE SYSTEM & BLOOD (240-289)	75	95.62	0.78	[0.62 - 0.98]
MENTAL DISORDERS (290-319)	70	69.79	1.00	[0.78 - 1.27]
DIS. OF NERVOUS SYSTEM (320-389)	101	100.23	1.01	[0.82 - 1.22]
DIS. OF CIRCULATORY SYSTEM (390-459)	3394	3261.46	1.04	[1.01 - 1.08]
Hypertension (401-405)	63	80.88	0.78	[0.60 - 1.00]
Ischaemic heart disease (410-414)	2243	2091.67	1.07	[1.03 - 1.12]
Cerebrovascular (430-438)	661	631.53	1.05	[0.97 - 1.13]
Other heart diseases (4150,4152-4299)	191	235.84	0.81	[0.70 - 0.93]
DIS. OF RESPIRATORY SYSTEM (460-519)	422	457.22	0.92	[0.84 - 1.02]
Influenza (487)	13	13.64	0.95	[0.51 - 1.63]
Pneumonia (480-486)	191	248.55	0.77	[0.66 - 0.89]
Bronchitis,emphysema & asthma (490-493)	159	137.6	1.16	[0.98 - 1.35]
Pneumoconioses (500-508)	2	3.02	0.66	[0.08 - 2.39]
DIS. OF DIGESTIVE SYSTEM (520-579)	172	181.2	0.95	[0.81 - 1.10]
Liver cirrhosis (571)	45	44.97	1.00	[0.73 - 1.34]
DIS. OF GENITO-URINARY SYSTEM (580-629)	95	100.27	0.95	[0.77 - 1.16]
Nephritis & nephrosis (580-589)	36	40.51	0.89	[0.62 - 1.23]
DIS. OF THE SKIN (680-739)	22	23.46	0.94	[0.59 - 1.42]
SYMPTOMS AND ILL-DEFINED CONDITIONS (780-799)	290	316.08	0.92	[0.81 - 1.03]
EXTERNAL CAUSES (E800-999)	519	528.76	0.98	[0.90 - 1.07]
Traffic accident (E810-819)	85	87.36	0.97	[0.78 - 1.20]
Suicide (E950-959)	148	134.43	1.10	[0.93 - 1.29]
Homicide (E960-969)	11	8.05	1.37	[0.68 - 2.44]
Other external causes (E800-807,E820-949,E970-999)	275	298.92	0.92	[0.81 - 1.04]
UNKNOWN CAUSES	0			
OTHER CAUSES	121			

Table 2.1.12
Mortality by cause

Norway
Women

Causes of death (ICD 9th.revision)	Observed	Expected	SMR	95% Confidence intervals
ALL CAUSES	532	506.4	1.05	[0.96 - 1.14]
ALL MALIGNANT NEOPLASMS (140-208)	172	158.33	1.09	[0.93 - 1.26]
Oral cavity & pharynx (140-149)	1	1.49	0.67	[0.02 - 3.74]
Oral cavity (141,143-145)	1	0.78	1.28	[0.03 - 7.13]
Nasopharynx (147)	0	0.1	0.00	[0.00 - 35.8]
Oesophagus (150)	1	0.94	1.07	[0.03 - 5.94]
Stomach (151)	14	11.23	1.25	[0.68 - 2.09]
Colon (153)	10	13.73	0.73	[0.35 - 1.34]
Rectum (154)	7	6.77	1.03	[0.42 - 2.13]
Liver (155)	2	1.39	1.44	[0.17 - 5.21]
Gallbladder (156)	0	1.59	0.00	[0.00 - 2.31]
Pancreas (157)	12	7.73	1.55	[0.80 - 2.71]
Peritoneum and other unspecified organs(158-159)	0	0.02	0.00	[0.00 - 0.198]
Nose & sinuses (160)	0	0.3	0.00	[0.00 - 12.2]
Larynx (161)	0	0.16	0.00	[0.00 - 22.7]
Lung (162)	20	11.58	1.73	[1.05 - 2.67]
Pleura (163)	0	0.16	0.00	[0.00 - 23.0]
Other respiratory organs (164-165)	0	0.14	0.00	[0.00 - 26.0]
Bone (170)	0	0.33	0.00	[0.00 - 11.1]
Soft tissue (171)	2	0.89	2.26	[0.27 - 8.16]
Melanoma (172)	1	3.1	0.32	[0.01 - 1.80]
Other skin (173)	0	0.32	0.00	[0.00 - 11.6]
Breast (174-175)	34	30.69	1.11	[0.77 - 1.55]
Cervix uteri (180)	7	8.97	0.78	[0.31 - 1.61]
Corpus uteri & uterus unspecified (179,181-182)	4	4.36	0.92	[0.25 - 2.35]
Ovary (183)	14	14.21	0.99	[0.54 - 1.65]
Other female genital organs (184)	1	1.3	0.77	[0.02 - 4.28]
Prostate (185)	0	-	-	-
Testis (186)	0	-	-	-
Other male genital organs (187)	0	-	-	-
Bladder (188)	3	2.46	1.22	[0.25 - 3.57]
Kidney (189)	5	3.5	1.43	[0.46 - 3.33]
Eye (190)	0	0.32	0.00	[0.00 - 11.7]
Brain (191-192)	6	4.86	1.24	[0.45 - 2.69]
Thyroid (193)	0	0.84	0.00	[0.00 - 4.39]
Other endocrine glands (194)	0	0.28	0.00	[0.00 - 13.3]
Ill defined (195,199)	20	10.73	1.86	[1.14 - 2.88]
Lymphatic & hematopoeitic tissue (200-208)	5	13.22	0.38	[0.12 - 0.88]
Non-Hodgkins lymphoma (200,202)	1	3.87	0.26	[0.01 - 1.44]
Hodgkins disease (201)	0	1.13	0.00	[0.00 - 3.26]
Multiple myeloma (203)	3	3.15	0.95	[0.20 - 2.78]
Leukemia & aleukemia (204-208)	1	5.06	0.20	[0.00 - 1.10]
Lymphoid leukemia (204)	1	0.88	1.14	[0.03 - 6.36]
Myeloid leukemia (205)	0	2.51	0.00	[0.00 - 1.47]
BENIGN NEOPLASMS (210-239)	2	3.49	0.57	[0.07 - 2.07]
DIS. OF ENDOCRINE SYSTEM & BLOOD (240-289)	18	9.94	1.81	[1.07 - 2.86]
MENTAL DISORDERS (290-319)	4	5.41	0.74	[0.20 - 1.89]
DIS. OF NERVOUS SYSTEM (320-389)	5	10.41	0.48	[0.16 - 1.12]
DIS. OF CIRCULATORY SYSTEM (390-459)	210	204.36	1.03	[0.89 - 1.18]
Hypertension (401-405)	9	6.75	1.33	[0.61 - 2.53]
Ischaemic heart disease (410-414)	99	95.21	1.04	[0.85 - 1.27]
Cerebrovascular (430-438)	64	63.1	1.01	[0.78 - 1.30]
Other heart diseases (4150,4152-4299)	21	21.85	0.96	[0.59 - 1.47]
DIS. OF RESPIRATORY SYSTEM (460-519)	37	36.19	1.02	[0.72 - 1.41]
Influenza (487)	4	1.41	2.83	[0.77 - 7.26]
Pneumonia (480-486)	25	23.26	1.07	[0.70 - 1.59]
Bronchitis,emphysema & asthma (490-493)	6	7.77	0.77	[0.28 - 1.68]
Pneumoconioses (500-508)	0	0.05	0.00	[0.00 - 79.8]
DIS. OF DIGESTIVE SYSTEM (520-579)	19	15.26	1.25	[0.75 - 1.94]
Liver cirrhosis (571)	7	3.42	2.05	[0.82 - 4.22]
DIS. OF GENITO-URINARY SYSTEM (580-629)	10	6.87	1.46	[0.70 - 2.68]
Nephritis & nephrosis (580-589)	3	2.57	1.17	[0.24 - 3.41]
DIS. OF THE SKIN (680-739)	5	4.68	1.07	[0.35 - 2.49]
SYMPTOMS AND ILL-DEFINED CONDITIONS (780-799)	11	16.12	0.68	[0.34 - 1.22]
EXTERNAL CAUSES (E800-999)	24	27.56	0.87	[0.56 - 1.30]
Traffic accident (E810-819)	5	4.58	1.09	[0.35 - 2.55]
Suicide (E950-959)	7	8.77	0.80	[0.32 - 1.64]
Homicide (E960-969)	1	0.78	1.28	[0.03 - 7.15]
Other external causes (E800-807,E820-949,E970-999)	11	13.43	0.82	[0.41 - 1.47]
UNKNOWN CAUSES	0			
OTHER CAUSES	15			

Table 2.1.13
Mortality by cause

Poland

Causes of death (ICD 9th.revision)	Observed	Expected	SMR	95% Confidence intervals
ALL CAUSES	372	632.25	0.59	[0.53 - 0.65]
ALL MALIGNANT NEOPLASMS (140-208)	94	131.93	0.71	[0.58 - 0.87]
Oral cavity & pharynx (140-149)	2	3.98	0.50	[0.06 - 1.81]
Oral cavity (141,143-145)	1	0.05	19.60	[0.49 - 0109]
Nasopharynx (147)	0	0.01	0.00	[0.00 - 0268]
Oesophagus (150)	3	2.73	1.10	[0.23 - 3.21]
Stomach (151)	6	15.81	0.38	[0.14 - 0.83]
Colon (153)	1	3.67	0.27	[0.01 - 1.52]
Rectum (154)	3	4.75	0.63	[0.13 - 1.85]
Liver (155)	3	6.32	0.47	[0.10 - 1.39]
Gallbladder (156)	2	0.07	28.20	[3.41 - 0102]
Pancreas (157)	2	4.39	0.46	[0.06 - 1.65]
Peritoneum and other unspecified organs(158-159)	3	0.12	25.90	[5.35 - 75.7]
Nose & sinuses (160)	0	0.02	0.00	[0.00 - 0173]
Larynx (161)	2	4.38	0.46	[0.06 - 1.65]
Lung (162)	30	36.39	0.82	[0.56 - 1.18]
Pleura (163)	0	-	-	-
Other respiratory organs (164-165)	0	0.08	0.00	[0.00 - 47.8]
Bone (170)	0	1.63	0.00	[0.00 - 2.27]
Soft tissue (171)	1	0.04	24.80	[0.62 - 0138]
Melanoma (172)	0	1.4	0.00	[0.00 - 2.63]
Other skin (173)	1	0.42	2.37	[0.06 - 13.2]
Breast (174-175)	2	4.45	0.45	[0.05 - 1.62]
Cervix uteri (180)	4	3.16	1.27	[0.35 - 3.25]
Corpus uteri & uterus unspecified (179,181-182)	1	0.9	1.11	[0.03 - 6.21]
Ovary (183)	3	1.62	1.85	[0.38 - 5.41]
Other female genital organs (184)	0	0.03	0.00	[0.00 - 0130]
Prostate (185)	4	2.26	1.77	[0.48 - 4.54]
Testis (186)	1	0.96	1.05	[0.03 - 5.83]
Other male genital organs (187)	0	0.01	0.00	[0.00 - 0284]
Bladder (188)	6	2.42	2.48	[0.91 - 5.41]
Kidney (189)	2	0.12	17.20	[2.08 - 62.2]
Eye (190)	0	0.02	0.00	[0.00 - 0239]
Brain (191-192)	8	4.85	1.65	[0.71 - 3.25]
Thyroid (193)	0	0.02	0.00	[0.00 - 0152]
Other endocrine glands (194)	0	0.02	0.00	[0.00 - 0197]
Ill defined (195,199)	2	0.15	13.70	[1.66 - 49.6]
Lymphatic & heamatopoeitic tissue (200-208)	2	10.01	0.20	[0.02 - 0.72]
Non-Hodgkins lymphoma (200,202)	1	0.16	6.35	[0.16 - 35.4]
Hodgkins disease (201)	0	1.81	0.00	[0.00 - 2.04]
Multiple myeloma (203)	0	0.03	0.00	[0.00 - 0126]
Leukemia & aleukemia (204-208)	1	4.89	0.20	[0.01 - 1.14]
Lymphoid leukemia (204)	1	0.12	8.34	[0.21 - 46.5]
Myeloid leukemia (205)	0	0.33	0.00	[0.00 - 11.3]
BENIGN NEOPLASMS (210-239)	0	2.56	0.00	[0.00 - 1.44]
DIS. OF ENDOCRINE SYSTEM & BLOOD (240-289)	3	8.9	0.34	[0.07 - 0.98]
MENTAL DISORDERS (290-319)	0	5.16	0.00	[0.00 - 0.72]
DIS. OF NERVOUS SYSTEM (320-389)	1	10.37	0.10	[0.00 - 0.54]
DIS. OF CIRCULATORY SYSTEM (390-459)	125	212.25	0.59	[0.49 - 0.70]
Hypertension (401-405)	6	9.85	0.61	[0.22 - 1.33]
Ischaemic heart disease (410-414)	54	82.86	0.65	[0.49 - 0.85]
Cerebrovascular (430-438)	20	28.83	0.69	[0.42 - 1.07]
Other heart diseases (4150,4152-4299)	30	40.62	0.74	[0.50 - 1.05]
DIS. OF RESPIRATORY SYSTEM (460-519)	7	23.21	0.30	[0.12 - 0.62]
Influenza (487)	0	0.35	0.00	[0.00 - 10.5]
Pneumonia (480-486)	3	7.46	0.40	[0.08 - 1.17]
Bronchitis,emphysema & asthma (490-493)	4	12.41	0.32	[0.09 - 0.83]
Pneumoconioses (500-508)	0	0.36	0.00	[0.00 - 10.2]
DIS. OF DIGESTIVE SYSTEM (520-579)	15	25.22	0.59	[0.33 - 0.98]
Liver cirrhosis (571)	3	10.08	0.30	[0.06 - 0.87]
DIS. OF GENITO-URINARY SYSTEM (580-629)	5	10.03	0.50	[0.16 - 1.16]
Nephritis & nephrosis (580-589)	5	7.49	0.67	[0.22 - 1.56]
DIS. OF THE SKIN (680-739)	0	2.03	0.00	[0.00 - 1.82]
SYMPTOMS AND ILL-DEFINED CONDITIONS (780-799)	14	34.17	0.41	[0.22 - 0.69]
EXTERNAL CAUSES (E800-999)	89	153.76	0.58	[0.46 - 0.71]
Traffic accident (E810-819)	29	25.33	1.14	[0.77 - 1.64]
Suicide (E950-959)	18	33.89	0.53	[0.31 - 0.84]
Homicide (E960-969)	0	3.64	0.00	[0.00 - 1.01]
Other external causes (E800-807,E820-949,E970-999)	42	90.9	0.46	[0.33 - 0.62]
UNKNOWN CAUSES	0			
OTHER CAUSES	19			

Table 2.1.13
Mortality by cause

Poland
Men

Causes of death (ICD 9th.revision)	Observed	Expected	SMR	95% Confidence intervals
ALL CAUSES	327	553.39	0.59	[0.53 - 0.66]
ALL MALIGNANT NEOPLASMS (140-208)	75	107.11	0.70	[0.55 - 0.88]
Oral cavity & pharynx (140-149)	2	3.77	0.53	[0.06 - 1.92]
Oral cavity (141,143-145)	1	0.05	21.20	[0.53 - 0118]
Nasopharynx (147)	0	0.01	0.00	[0.00 - 0343]
Oesophagus (150)	3	2.63	1.14	[0.24 - 3.34]
Stomach (151)	5	14.12	0.35	[0.11 - 0.83]
Colon (153)	0	2.95	0.00	[0.00 - 1.25]
Rectum (154)	2	3.8	0.53	[0.06 - 1.90]
Liver (155)	3	4.74	0.63	[0.13 - 1.85]
Gallbladder (156)	0	0.05	0.00	[0.00 - 80.6]
Pancreas (157)	2	3.78	0.53	[0.06 - 1.91]
Peritoneum and other unspecified organs(158-159)	3	0.09	31.70	[6.55 - 92.7]
Nose & sinuses (160)	0	0.02	0.00	[0.00 - 0194]
Larynx (161)	2	4.28	0.47	[0.06 - 1.69]
Lung (162)	30	34.85	0.86	[0.58 - 1.23]
Pleura (163)	0	-	-	-
Other respiratory organs (164-165)	0	0.07	0.00	[0.00 - 52.5]
Bone (170)	0	1.34	0.00	[0.00 - 2.76]
Soft tissue (171)	1	0.03	31.00	[0.77 - 0173]
Melanoma (172)	0	1.02	0.00	[0.00 - 3.62]
Other skin (173)	1	0.36	2.77	[0.07 - 15.4]
Breast (174-175)	0	0.02	0.00	[0.00 - 0212]
Cervix uteri (180)	0	-	-	-
Corpus uteri & uterus unspecified (179,181-182)	0	-	-	-
Ovary (183)	0	-	-	-
Other female genital organs (184)	0	-	-	-
Prostate (185)	4	2.26	1.77	[0.48 - 4.54]
Testis (186)	1	0.96	1.05	[0.03 - 5.83]
Other male genital organs (187)	0	0.01	0.00	[0.00 - 0284]
Bladder (188)	6	2.32	2.58	[0.95 - 5.62]
Kidney (189)	2	0.1	19.40	[2.35 - 70.1]
Eye (190)	0	0.01	0.00	[0.00 - 0364]
Brain (191-192)	4	3.78	1.06	[0.29 - 2.71]
Thyroid (193)	0	0.02	0.00	[0.00 - 0241]
Other endocrine glands (194)	0	0.01	0.00	[0.00 - 0269]
Ill defined (195,199)	2	0.12	16.50	[1.99 - 59.6]
Lymphatic & hematopoeitic tissue (200-208)	2	7.91	0.25	[0.03 - 0.91]
Non-Hodgkins lymphoma (200,202)	1	0.13	7.50	[0.19 - 41.8]
Hodgkins disease (201)	0	1.44	0.00	[0.00 - 2.56]
Multiple myeloma (203)	0	0.03	0.00	[0.00 - 0147]
Leukemia & aleukemia (204-208)	1	3.72	0.27	[0.01 - 1.50]
Lymphoid leukemia (204)	1	0.1	9.98	[0.25 - 55.6]
Myeloid leukemia (205)	0	0.26	0.00	[0.00 - 14.1]
BENIGN NEOPLASMS (210-239)	0	2.02	0.00	[0.00 - 1.83]
DIS. OF ENDOCRINE SYSTEM & BLOOD (240-289)	3	6.71	0.45	[0.09 - 1.31]
MENTAL DISORDERS (290-319)	0	4.6	0.00	[0.00 - 0.80]
DIS. OF NERVOUS SYSTEM (320-389)	1	8.03	0.12	[0.00 - 0.69]
DIS. OF CIRCULATORY SYSTEM (390-459)	114	189.16	0.60	[0.50 - 0.72]
Hypertension (401-405)	6	7.94	0.76	[0.28 - 1.65]
Ischaemic heart disease (410-414)	49	77.99	0.63	[0.46 - 0.83]
Cerebrovascular (430-438)	18	23.92	0.75	[0.45 - 1.19]
Other heart diseases (4150,4152-4299)	27	36.25	0.74	[0.49 - 1.08]
DIS. OF RESPIRATORY SYSTEM (460-519)	6	20.6	0.29	[0.11 - 0.63]
Influenza (487)	0	0.27	0.00	[0.00 - 13.4]
Pneumonia (480-486)	3	6.25	0.48	[0.10 - 1.40]
Bronchitis,emphysema & asthma (490-493)	3	11.43	0.26	[0.05 - 0.77]
Pneumoconioses (500-508)	0	0.35	0.00	[0.00 - 10.5]
DIS. OF DIGESTIVE SYSTEM (520-579)	11	21.91	0.50	[0.25 - 0.90]
Liver cirrhosis (571)	3	9.13	0.33	[0.07 - 0.96]
DIS. OF GENITO-URINARY SYSTEM (580-629)	3	7.94	0.38	[0.08 - 1.10]
Nephritis & nephrosis (580-589)	3	5.97	0.50	[0.10 - 1.47]
DIS. OF THE SKIN (680-739)	0	1.28	0.00	[0.00 - 2.88]
SYMPTOMS AND ILL-DEFINED CONDITIONS (780-799)	14	31.17	0.45	[0.25 - 0.75]
EXTERNAL CAUSES (E800-999)	82	142.44	0.58	[0.46 - 0.71]
Traffic accident (E810-819)	26	23.57	1.10	[0.72 - 1.62]
Suicide (E950-959)	18	31.19	0.58	[0.34 - 0.91]
Homicide (E960-969)	0	2.99	0.00	[0.00 - 1.23]
Other external causes (E800-807,E820-949,E970-999)	38	84.69	0.45	[0.32 - 0.62]
UNKNOWN CAUSES	0	-	-	-
OTHER CAUSES	18	-	-	-

Table 2.1.13
Mortality by cause

Poland
Women

Causes of death (ICD 9th.revision)	Observed	Expected	SMR	95% Confidence intervals
ALL CAUSES	45	78.86	0.57	[0.42 - 0.76]
ALL MALIGNANT NEOPLASMS (140-208)	19	24.82	0.77	[0.46 - 1.20]
Oral cavity & pharynx (140-149)	0	0.21	0.00	[0.00 - 17.2]
Oral cavity (141,143-145)	0	-	-	-
Nasopharynx (147)	0	-	-	-
Oesophagus (150)	0	0.11	0.00	[0.00 - 34.5]
Stomach (151)	1	1.7	0.59	[0.01 - 3.28]
Colon (153)	1	0.72	1.39	[0.03 - 7.72]
Rectum (154)	1	0.95	1.06	[0.03 - 5.88]
Liver (155)	0	1.57	0.00	[0.00 - 2.35]
Gallbladder (156)	2	0.03	79.60	[9.63 - 0288]
Pancreas (157)	0	0.61	0.00	[0.00 - 6.06]
Peritoneum and other unspecified organs(158-159)	0	0.02	0.00	[0.00 - 0174]
Nose & sinuses (160)	0	-	-	-
Larynx (161)	0	0.1	0.00	[0.00 - 36.6]
Lung (162)	0	1.55	0.00	[0.00 - 2.39]
Pleura (163)	0	-	-	-
Other respiratory organs (164-165)	0	0.01	0.00	[0.00 - 0536]
Bone (170)	0	0.29	0.00	[0.00 - 12.6]
Soft tissue (171)	0	0.01	0.00	[0.00 - 0464]
Melanoma (172)	0	0.38	0.00	[0.00 - 9.65]
Other skin (173)	0	0.06	0.00	[0.00 - 61.0]
Breast (174-175)	2	4.43	0.45	[0.05 - 1.63]
Cervix uteri (180)	4	3.16	1.27	[0.35 - 3.25]
Corpus uteri & uterus unspecified (179,181-182)	1	0.9	1.11	[0.03 - 6.21]
Ovary (183)	3	1.62	1.85	[0.38 - 5.41]
Other female genital organs (184)	0	0.03	0.00	[0.00 - 0130]
Prostate (185)	0	-	-	-
Testis (186)	0	-	-	-
Other male genital organs (187)	0	-	-	-
Bladder (188)	0	0.09	0.00	[0.00 - 39.5]
Kidney (189)	0	0.01	0.00	[0.00 - 0282]
Eye (190)	0	0.01	0.00	[0.00 - 0699]
Brain (191-192)	4	1.07	3.75	[1.02 - 9.60]
Thyroid (193)	0	0.01	0.00	[0.00 - 0414]
Other endocrine glands (194)	0	0.01	0.00	[0.00 - 0730]
Ill defined (195,199)	0	0.02	0.00	[0.00 - 0151]
Lymphatic & hematopoeitic tissue (200-208)	0	2.1	0.00	[0.00 - 1.75]
Non-Hodgkins lymphoma (200,202)	0	0.02	0.00	[0.00 - 0153]
Hodgkins disease (201)	0	0.36	0.00	[0.00 - 10.1]
Multiple myeloma (203)	0	-	-	-
Leukemia & aleukemia (204-208)	0	1.17	0.00	[0.00 - 3.16]
Lymphoid leukemia (204)	0	0.02	0.00	[0.00 - 0188]
Myeloid leukemia (205)	0	0.06	0.00	[0.00 - 57.0]
BENIGN NEOPLASMS (210-239)	0	0.54	0.00	[0.00 - 6.85]
DIS. OF ENDOCRINE SYSTEM & BLOOD (240-289)	0	2.19	0.00	[0.00 - 1.68]
MENTAL DISORDERS (290-319)	0	0.55	0.00	[0.00 - 6.67]
DIS. OF NERVOUS SYSTEM (320-389)	0	2.34	0.00	[0.00 - 1.58]
DIS. OF CIRCULATORY SYSTEM (390-459)	11	23.09	0.48	[0.24 - 0.85]
Hypertension (401-405)	0	1.91	0.00	[0.00 - 1.93]
Ischaemic heart disease (410-414)	5	4.87	1.03	[0.33 - 2.40]
Cerebrovascular (430-438)	2	4.91	0.41	[0.05 - 1.47]
Other heart diseases (4150,4152-4299)	3	4.38	0.69	[0.14 - 2.00]
DIS. OF RESPIRATORY SYSTEM (460-519)	1	2.62	0.38	[0.01 - 2.13]
Influenza (487)	0	0.08	0.00	[0.00 - 47.7]
Pneumonia (480-486)	0	1.21	0.00	[0.00 - 3.04]
Bronchitis,emphysema & asthma (490-493)	1	0.98	1.02	[0.03 - 5.69]
Pneumoconioses (500-508)	0	0.01	0.00	[0.00 - 0380]
DIS. OF DIGESTIVE SYSTEM (520-579)	4	3.31	1.21	[0.33 - 3.09]
Liver cirrhosis (571)	0	0.94	0.00	[0.00 - 3.91]
DIS. OF GENITO-URINARY SYSTEM (580-629)	2	2.09	0.96	[0.12 - 3.46]
Nephritis & nephrosis (580-589)	2	1.52	1.32	[0.16 - 4.77]
DIS. OF THE SKIN (680-739)	0	0.75	0.00	[0.00 - 4.95]
SYMPTOMS AND ILL-DEFINED CONDITIONS (780-799)	0	3	0.00	[0.00 - 1.23]
EXTERNAL CAUSES (E800-999)	7	11.32	0.62	[0.25 - 1.27]
Traffic accident (E810-819)	3	1.75	1.71	[0.35 - 5.00]
Suicide (E950-959)	0	2.71	0.00	[0.00 - 1.36]
Homicide (E960-969)	0	0.65	0.00	[0.00 - 5.64]
Other external causes (E800-807,E820-949,E970-999)	4	6.21	0.64	[0.18 - 1.65]
UNKNOWN CAUSES	0			
OTHER CAUSES	1			

Table 2.1.14
Mortality by cause

Spain

Causes of death (ICD 9th.revision)	Observed	Expected	SMR	95% Confidence intervals
ALL CAUSES	185	243.43	0.76	[0.65 - 0.88]
ALL MALIGNANT NEOPLASMS (140-208)	65	69.22	0.94	[0.72 - 1.20]
Oral cavity & pharynx (140-149)	3	2.76	1.09	[0.22 - 3.17]
Oral cavity (141,143-145)	3	1.36	2.21	[0.46 - 6.45]
Nasopharynx (147)	0	0.21	0.00	[0.00 - 17.4]
Oesophagus (150)	2	2.56	0.78	[0.09 - 2.82]
Stomach (151)	3	7.15	0.42	[0.09 - 1.23]
Colon (153)	8	3.24	2.47	[1.07 - 4.86]
Rectum (154)	2	1.72	1.16	[0.14 - 4.20]
Liver (155)	0	4	0.00	[0.00 - 0.92]
Gallbladder (156)	1	0.52	1.93	[0.05 - 10.7]
Pancreas (157)	1	2.24	0.45	[0.01 - 2.49]
Peritoneum and other unspecified organs(158-159)	2	0.92	2.16	[0.26 - 7.82]
Nose & sinuses (160)	0	0.09	0.00	[0.00 - 39.9]
Larynx (161)	5	3.52	1.42	[0.46 - 3.31]
Lung (162)	11	16.99	0.65	[0.32 - 1.16]
Pleura (163)	0	0.14	0.00	[0.00 - 27.3]
Other respiratory organs (164-165)	0	0.25	0.00	[0.00 - 14.8]
Bone (170)	0	0.69	0.00	[0.00 - 5.32]
Soft tissue (171)	1	0.28	3.56	[0.09 - 19.8]
Melanoma (172)	1	0.42	2.37	[0.06 - 13.2]
Other skin (173)	0	0.38	0.00	[0.00 - 9.72]
Breast (174-175)	4	1.44	2.78	[0.76 - 7.11]
Cervix uteri (180)	0	0.14	0.00	[0.00 - 26.4]
Corpus uteri & uterus unspecified (179,181-182)	1	0.38	2.63	[0.07 - 14.6]
Ovary (183)	0	0.25	0.00	[0.00 - 14.8]
Other female genital organs (184)	0	0.07	0.00	[0.00 - 50.4]
Prostate (185)	3	2.66	1.13	[0.23 - 3.30]
Testis (186)	0	0.13	0.00	[0.00 - 28.9]
Other male genital organs (187)	1	0.12	8.16	[0.20 - 45.5]
Bladder (188)	2	2.49	0.80	[0.10 - 2.90]
Kidney (189)	1	1.01	0.99	[0.02 - 5.52]
Eye (190)	0	0.04	0.00	[0.00 - 94.5]
Brain (191-192)	3	2.59	1.16	[0.24 - 3.38]
Thyroid (193)	0	0.14	0.00	[0.00 - 26.0]
Other endocrine glands (194)	0	0.09	0.00	[0.00 - 40.4]
Ill defined (195,199)	5	4.79	1.04	[0.34 - 2.43]
Lymphatic & hematopoietic tissue (200-208)	5	4.76	1.05	[0.34 - 2.45]
Non-Hodgkins lymphoma (200,202)	0	1.29	0.00	[0.00 - 2.87]
Hodgkins disease (201)	2	0.64	3.13	[0.38 - 11.3]
Multiple myeloma (203)	2	0.6	3.36	[0.41 - 12.1]
Leukemia & aleukemia (204-208)	1	2.23	0.45	[0.01 - 2.49]
Lymphoid leukemia (204)	0	0.48	0.00	[0.00 - 7.66]
Myeloid leukemia (205)	0	0.81	0.00	[0.00 - 4.58]
BENIGN NEOPLASMS (210-239)	2	1.45	1.38	[0.17 - 4.98]
DIS. OF ENDOCRINE SYSTEM & BLOOD (240-289)	2	6.94	0.29	[0.03 - 1.04]
MENTAL DISORDERS (290-319)	0	1.83	0.00	[0.00 - 2.02]
DIS. OF NERVOUS SYSTEM (320-389)	4	3.37	1.19	[0.32 - 3.04]
DIS. OF CIRCULATORY SYSTEM (390-459)	40	75.76	0.53	[0.38 - 0.72]
Hypertension (401-405)	1	1.27	0.79	[0.02 - 4.40]
Ischaemic heart disease (410-414)	15	27.82	0.54	[0.30 - 0.89]
Cerebrovascular (430-438)	11	19.81	0.56	[0.28 - 0.99]
Other heart diseases (4150,4152-4299)	9	17.79	0.51	[0.23 - 0.96]
DIS. OF RESPIRATORY SYSTEM (460-519)	1	17.87	0.06	[0.00 - 0.31]
Influenza (487)	0	0.42	0.00	[0.00 - 8.75]
Pneumonia (480-486)	0	4.25	0.00	[0.00 - 0.87]
Bronchitis,emphysema & asthma (490-493)	0	3.73	0.00	[0.00 - 0.99]
Pneumoconioses (500-508)	0	0.81	0.00	[0.00 - 4.57]
DIS. OF DIGESTIVE SYSTEM (520-579)	9	21.34	0.42	[0.19 - 0.80]
Liver cirrhosis (571)	8	13.52	0.59	[0.26 - 1.17]
DIS. OF GENITO-URINARY SYSTEM (580-629)	2	3.91	0.51	[0.06 - 1.85]
Nephritis & nephrosis (580-589)	2	2.99	0.67	[0.08 - 2.42]
DIS. OF THE SKIN (680-739)	0	0.74	0.00	[0.00 - 4.98]
SYMPTOMS AND ILL-DEFINED CONDITIONS (780-799)	0	4.65	0.00	[0.00 - 0.79]
EXTERNAL CAUSES (E800-999)	21	31.12	0.67	[0.42 - 1.03]
Traffic accident (E810-819)	8	12.68	0.63	[0.27 - 1.24]
Suicide (E950-959)	3	4.26	0.70	[0.15 - 2.06]
Homicide (E960-969)	0	0.8	0.00	[0.00 - 4.62]
Other external causes (E800-807,E820-949,E970-999)	10	13.38	0.75	[0.36 - 1.37]
UNKNOWN CAUSES	38			
OTHER CAUSES	1			

Table 2.1.14
Mortality by cause

Spain
Men

Causes of death (ICD 9th.revision)	Observed	Expected	SMR	95% Confidence intervals
ALL CAUSES	161	220.4	0.73	[0.62 - 0.85]
ALL MALIGNANT NEOPLASMS (140-208)	54	62.79	0.86	[0.65 - 1.12]
Oral cavity & pharynx (140-149)	1	2.71	0.37	[0.01 - 2.06]
Oral cavity (141,143-145)	1	1.33	0.75	[0.02 - 4.18]
Nasopharynx (147)	0	0.2	0.00	[0.00 - 18.3]
Oesophagus (150)	2	2.51	0.80	[0.10 - 2.87]
Stomach (151)	3	6.58	0.46	[0.09 - 1.33]
Colon (153)	7	2.82	2.48	[1.00 - 5.11]
Rectum (154)	1	1.52	0.66	[0.02 - 3.66]
Liver (155)	0	3.64	0.00	[0.00 - 1.01]
Gallbladder (156)	1	0.4	2.50	[0.06 - 13.9]
Pancreas (157)	1	2.05	0.49	[0.01 - 2.72]
Peritoneum and other unspecified organs(158-159)	2	0.79	2.53	[0.31 - 9.15]
Nose & sinuses (160)	0	0.09	0.00	[0.00 - 42.1]
Larynx (161)	5	3.51	1.42	[0.46 - 3.32]
Lung (162)	11	16.7	0.66	[0.33 - 1.18]
Pleura (163)	0	0.12	0.00	[0.00 - 29.8]
Other respiratory organs (164-165)	0	0.24	0.00	[0.00 - 15.7]
Bone (170)	0	0.63	0.00	[0.00 - 5.89]
Soft tissue (171)	1	0.24	4.11	[0.10 - 22.9]
Melanoma (172)	1	0.37	2.72	[0.07 - 15.2]
Other skin (173)	0	0.35	0.00	[0.00 - 10.4]
Breast (174-175)	0	0.06	0.00	[0.00 - 59.4]
Cervix uteri (180)	0	-	-	-
Corpus uteri & uterus unspecified (179,181-182)	0	-	-	-
Ovary (183)	0	-	-	-
Other female genital organs (184)	0	-	-	-
Prostate (185)	3	2.66	1.13	[0.23 - 3.30]
Testis (186)	0	0.13	0.00	[0.00 - 28.9]
Other male genital organs (187)	1	0.12	8.16	[0.20 - 45.5]
Bladder (188)	2	2.42	0.83	[0.10 - 2.99]
Kidney (189)	1	0.94	1.06	[0.03 - 5.92]
Eye (190)	0	0.03	0.00	[0.00 - 0108]
Brain (191-192)	2	2.33	0.86	[0.10 - 3.11]
Thyroid (193)	0	0.11	0.00	[0.00 - 33.0]
Other endocrine glands (194)	0	0.08	0.00	[0.00 - 47.3]
Ill defined (195,199)	5	4.28	1.17	[0.38 - 2.73]
Lymphatic & hematopoeitic tissue (200-208)	4	4.16	0.96	[0.26 - 2.46]
Non-Hodgkins lymphoma (200,202)	0	1.15	0.00	[0.00 - 3.19]
Hodgkins disease (201)	1	0.57	1.77	[0.04 - 9.84]
Multiple myeloma (203)	2	0.53	3.80	[0.46 - 13.7]
Leukemia & aleukemia (204-208)	1	1.91	0.52	[0.01 - 2.92]
Lymphoid leukemia (204)	0	0.42	0.00	[0.00 - 8.79]
Myeloid leukemia (205)	0	0.69	0.00	[0.00 - 5.38]
BENIGN NEOPLASMS (210-239)	2	1.29	1.55	[0.19 - 5.62]
DIS. OF ENDOCRINE SYSTEM & BLOOD (240-289)	1	5.84	0.17	[0.00 - 0.95]
MENTAL DISORDERS (290-319)	0	1.62	0.00	[0.00 - 2.28]
DIS. OF NERVOUS SYSTEM (320-389)	4	2.95	1.36	[0.37 - 3.48]
DIS. OF CIRCULATORY SYSTEM (390-459)	37	67.59	0.55	[0.39 - 0.75]
Hypertension (401-405)	1	1.07	0.94	[0.02 - 5.22]
Ischaemic heart disease (410-414)	13	26.27	0.49	[0.26 - 0.85]
Cerebrovascular (430-438)	11	16.95	0.65	[0.32 - 1.16]
Other heart diseases (4150,4152-4299)	8	15.54	0.51	[0.22 - 1.01]
DIS. OF RESPIRATORY SYSTEM (460-519)	1	16.47	0.06	[0.00 - 0.34]
Influenza (487)	0	0.36	0.00	[0.00 - 10.2]
Pneumonia (480-486)	0	3.81	0.00	[0.00 - 0.97]
Bronchitis,emphysema & asthma (490-493)	0	3.46	0.00	[0.00 - 1.07]
Pneumoconioses (500-508)	0	0.79	0.00	[0.00 - 4.68]
DIS. OF DIGESTIVE SYSTEM (520-579)	8	19.92	0.40	[0.17 - 0.79]
Liver cirrhosis (571)	7	12.85	0.54	[0.22 - 1.12]
DIS. OF GENITO-URINARY SYSTEM (580-629)	1	3.42	0.29	[0.01 - 1.63]
Nephritis & nephrosis (580-589)	1	2.61	0.38	[0.01 - 2.14]
DIS. OF THE SKIN (680-739)	0	0.54	0.00	[0.00 - 6.83]
SYMPTOMS AND ILL-DEFINED CONDITIONS (780-799)	0	4.15	0.00	[0.00 - 0.89]
EXTERNAL CAUSES (E800-999)	17	29.19	0.58	[0.34 - 0.93]
Traffic accident (E810-819)	5	11.84	0.42	[0.14 - 0.99]
Suicide (E950-959)	3	3.96	0.76	[0.16 - 2.21]
Homicide (E960-969)	0	0.75	0.00	[0.00 - 4.94]
Other external causes (E800-807,E820-949,E970-999)	9	12.65	0.71	[0.33 - 1.35]
UNKNOWN CAUSES	35			
OTHER CAUSES	1			

Table 2.1.14
Mortality by cause

Spain
Women

Causes of death (ICD 9th.revision)	Observed	Expected	SMR	95% Confidence intervals
ALL CAUSES	24	23.03	1.04	[0.67 - 1.55]
ALL MALIGNANT NEOPLASMS (140-208)	11	6.43	1.71	[0.85 - 3.06]
Oral cavity & pharynx (140-149)	2	0.06	36.30	[4.39 - 0131]
Oral cavity (141,143-145)	2	0.03	73.20	[8.86 - 0265]
Nasopharynx (147)	0	0.01	0.00	[0.00 - 0350]
Oesophagus (150)	0	0.04	0.00	[0.00 - 82.3]
Stomach (151)	0	0.57	0.00	[0.00 - 6.47]
Colon (153)	1	0.42	2.38	[0.06 - 13.3]
Rectum (154)	1	0.2	5.05	[0.13 - 28.2]
Liver (155)	0	0.36	0.00	[0.00 - 10.2]
Gallbladder (156)	0	0.12	0.00	[0.00 - 31.1]
Pancreas (157)	0	0.19	0.00	[0.00 - 19.5]
Peritoneum and other unspecified organs(158-159)	0	0.13	0.00	[0.00 - 27.4]
Nose & sinuses (160)	0	-	-	-
Larynx (161)	0	0.01	0.00	[0.00 - 0265]
Lung (162)	0	0.29	0.00	[0.00 - 12.6]
Pleura (163)	0	0.01	0.00	[0.00 - 0318]
Other respiratory organs (164-165)	0	0.01	0.00	[0.00 - 0271]
Bone (170)	0	0.07	0.00	[0.00 - 55.2]
Soft tissue (171)	0	0.04	0.00	[0.00 - 97.5]
Melanoma (172)	0	0.06	0.00	[0.00 - 66.8]
Other skin (173)	0	0.03	0.00	[0.00 - 0143]
Breast (174-175)	4	1.38	2.90	[0.79 - 7.43]
Cervix uteri (180)	0	0.14	0.00	[0.00 - 26.4]
Corpus uteri & uterus unspecified (179,181-182)	1	0.38	2.63	[0.07 - 14.6]
Ovary (183)	0	0.25	0.00	[0.00 - 14.8]
Other female genital organs (184)	0	0.07	0.00	[0.00 - 50.4]
Prostate (185)	0	-	-	-
Testis (186)	0	-	-	-
Other male genital organs (187)	0	-	-	-
Bladder (188)	0	0.07	0.00	[0.00 - 54.2]
Kidney (189)	0	0.07	0.00	[0.00 - 53.9]
Eye (190)	0	-	-	-
Brain (191-192)	1	0.27	3.73	[0.09 - 20.8]
Thyroid (193)	0	0.03	0.00	[0.00 - 0123]
Other endocrine glands (194)	0	0.01	0.00	[0.00 - 0277]
Ill defined (195,199)	0	0.52	0.00	[0.00 - 7.12]
Lymphatic & hematopoeitic tissue (200-208)	1	0.6	1.66	[0.04 - 9.27]
Non-Hodgkins lymphoma (200,202)	0	0.13	0.00	[0.00 - 27.9]
Hodgkins disease (201)	1	0.07	13.70	[0.34 - 76.5]
Multiple myeloma (203)	0	0.07	0.00	[0.00 - 53.7]
Leukemia & aleukemia (204-208)	0	0.33	0.00	[0.00 - 11.3]
Lymphoid leukemia (204)	0	0.06	0.00	[0.00 - 59.7]
Myeloid leukemia (205)	0	0.12	0.00	[0.00 - 30.7]
BENIGN NEOPLASMS (210-239)	0	0.17	0.00	[0.00 - 22.3]
DIS. OF ENDOCRINE SYSTEM & BLOOD (240-289)	1	1.1	0.91	[0.02 - 5.05]
MENTAL DISORDERS (290-319)	0	0.21	0.00	[0.00 - 17.4]
DIS. OF NERVOUS SYSTEM (320-389)	0	0.43	0.00	[0.00 - 8.62]
DIS. OF CIRCULATORY SYSTEM (390-459)	3	8.17	0.37	[0.08 - 1.07]
Hypertension (401-405)	0	0.2	0.00	[0.00 - 18.6]
Ischaemic heart disease (410-414)	2	1.56	1.28	[0.16 - 4.63]
Cerebrovascular (430-438)	0	2.85	0.00	[0.00 - 1.29]
Other heart diseases (4150,4152-4299)	1	2.25	0.44	[0.01 - 2.47]
DIS. OF RESPIRATORY SYSTEM (460-519)	0	1.39	0.00	[0.00 - 2.65]
Influenza (487)	0	0.06	0.00	[0.00 - 60.6]
Pneumonia (480-486)	0	0.44	0.00	[0.00 - 8.37]
Bronchitis,emphysema & asthma (490-493)	0	0.27	0.00	[0.00 - 13.9]
Pneumoconioses (500-508)	0	0.02	0.00	[0.00 - 0194]
DIS. OF DIGESTIVE SYSTEM (520-579)	1	1.42	0.70	[0.02 - 3.92]
Liver cirrhosis (571)	1	0.67	1.50	[0.04 - 8.34]
DIS. OF GENITO-URINARY SYSTEM (580-629)	1	0.5	2.01	[0.05 - 11.2]
Nephritis & nephrosis (580-589)	1	0.38	2.61	[0.07 - 14.5]
DIS. OF THE SKIN (680-739)	0	0.2	0.00	[0.00 - 18.4]
SYMPTOMS AND ILL-DEFINED CONDITIONS (780-799)	0	0.5	0.00	[0.00 - 7.35]
EXTERNAL CAUSES (E800-999)	4	1.93	2.07	[0.56 - 5.31]
Traffic accident (E810-819)	3	0.84	3.57	[0.74 - 10.4]
Suicide (E950-959)	0	0.3	0.00	[0.00 - 12.1]
Homicide (E960-969)	0	0.05	0.00	[0.00 - 70.0]
Other external causes (E800-807,E820-949,E970-999)	1	0.73	1.36	[0.03 - 7.59]
UNKNOWN CAUSES	3			
OTHER CAUSES	0			

Table 2.1.15
Mortality by cause

Sweden

Causes of death (ICD 9th.revision)	Observed	Expected	SMR	95% Confidence intervals
ALL CAUSES	1119	1167.9	0.96	[0.90 - 1.02]
ALL MALIGNANT NEOPLASMS (140-208)	227	264.4	0.86	[0.75 - 0.98]
Oral cavity & pharynx (140-149)	2	4.9	0.41	[0.05 - 1.47]
Oral cavity (141,143-145)	1	1.97	0.51	[0.01 - 2.83]
Nasopharynx (147)	0	0.6	0.00	[0.00 - 6.19]
Oesophagus (150)	2	5.39	0.37	[0.04 - 1.34]
Stomach (151)	23	26.76	0.86	[0.54 - 1.29]
Colon (153)	23	20.09	1.14	[0.73 - 1.72]
Rectum (154)	13	11.44	1.14	[0.60 - 1.94]
Liver (155)	4	6.22	0.64	[0.18 - 1.65]
Gallbladder (156)	2	4.95	0.40	[0.05 - 1.46]
Pancreas (157)	17	17.5	0.97	[0.57 - 1.56]
Peritoneum and other unspecified organs(158-159)	1	1.71	0.58	[0.01 - 3.25]
Nose & sinuses (160)	0	0.41	0.00	[0.00 - 8.98]
Larynx (161)	1	1.36	0.73	[0.02 - 4.09]
Lung (162)	33	44.45	0.74	[0.51 - 1.04]
Pleura (163)	5	0.68	7.37	[2.39 - 17.2]
Other respiratory organs (164-165)	2	1.41	1.42	[0.17 - 5.14]
Bone (170)	0	1.34	0.00	[0.00 - 2.76]
Soft tissue (171)	5	1.32	3.78	[1.23 - 8.82]
Melanoma (172)	0	4.78	0.00	[0.00 - 0.77]
Other skin (173)	0	0.67	0.00	[0.00 - 5.48]
Breast (174-175)	5	5.36	0.93	[0.30 - 2.18]
Cervix uteri (180)	1	1.11	0.90	[0.02 - 5.02]
Corpus uteri & uterus unspecified (179,181-182)	0	0.82	0.00	[0.00 - 4.50]
Ovary (183)	0	2.43	0.00	[0.00 - 1.52]
Other female genital organs (184)	0	0.19	0.00	[0.00 - 19.4]
Prostate (185)	31	31.45	0.99	[0.67 - 1.40]
Testis (186)	0	1.12	0.00	[0.00 - 3.28]
Other male genital organs (187)	1	0.37	2.74	[0.07 - 15.3]
Bladder (188)	9	7.84	1.15	[0.52 - 2.18]
Kidney (189)	9	11.42	0.79	[0.36 - 1.50]
Eye (190)	0	0.3	0.00	[0.00 - 12.2]
Brain (191-192)	7	9.17	0.76	[0.31 - 1.57]
Thyroid (193)	1	1.03	0.97	[0.02 - 5.41]
Other endocrine glands (194)	1	0.41	2.44	[0.06 - 13.6]
Ill defined (195,199)	6	7.61	0.79	[0.29 - 1.72]
Lymphatic & hematopoietic tissue (200-208)	19	25.51	0.74	[0.45 - 1.16]
Non-Hodgkins lymphoma (200,202)	6	7.74	0.77	[0.28 - 1.69]
Hodgkins disease (201)	1	2.31	0.43	[0.01 - 2.41]
Multiple myeloma (203)	4	5.31	0.75	[0.21 - 1.93]
Leukemia & aleukemia (204-208)	8	10.19	0.79	[0.34 - 1.55]
Lymphoid leukemia (204)	1	2.69	0.37	[0.01 - 2.07]
Myeloid leukemia (205)	4	3.88	1.03	[0.28 - 2.64]
BENIGN NEOPLASMS (210-239)	5	5.38	0.93	[0.30 - 2.17]
DIS. OF ENDOCRINE SYSTEM & BLOOD (240-289)	23	22.89	1.00	[0.64 - 1.51]
MENTAL DISORDERS (290-319)	11	15.8	0.70	[0.35 - 1.25]
DIS. OF NERVOUS SYSTEM (320-389)	9	14.51	0.62	[0.28 - 1.18]
DIS. OF CIRCULATORY SYSTEM (390-459)	615	569.35	1.08	[1.00 - 1.17]
Hypertension (401-405)	6	8.03	0.75	[0.27 - 1.63]
Ischaemic heart disease (410-414)	419	381.66	1.10	[1.00 - 1.21]
Cerebrovascular (430-438)	95	93.47	1.02	[0.82 - 1.24]
Other heart diseases (4150,4152-4299)	46	38.44	1.20	[0.88 - 1.60]
DIS. OF RESPIRATORY SYSTEM (460-519)	43	63.83	0.67	[0.49 - 0.91]
Influenza (487)	4	1.73	2.31	[0.63 - 5.92]
Pneumonia (480-486)	24	35.23	0.68	[0.44 - 1.01]
Bronchitis,emphysema & asthma (490-493)	9	19.51	0.46	[0.21 - 0.88]
Pneumoconioses (500-508)	0	0.93	0.00	[0.00 - 3.95]
DIS. OF DIGESTIVE SYSTEM (520-579)	30	46.17	0.65	[0.44 - 0.93]
Liver cirrhosis (571)	10	14.95	0.67	[0.32 - 1.23]
DIS. OF GENITO-URINARY SYSTEM (580-629)	18	18.67	0.96	[0.57 - 1.52]
Nephritis & nephrosis (580-589)	5	6.11	0.82	[0.27 - 1.91]
DIS. OF THE SKIN (680-739)	6	3.95	1.52	[0.56 - 3.31]
SYMPTOMS AND ILL-DEFINED CONDITIONS (780-799)	9	6.86	1.31	[0.60 - 2.49]
EXTERNAL CAUSES (E800-999)	118	124.05	0.95	[0.79 - 1.14]
Traffic accident (E810-819)	22	23.56	0.93	[0.59 - 1.41]
Suicide (E950-959)	45	45.36	0.99	[0.72 - 1.33]
Homicide (E960-969)	1	2.32	0.43	[0.01 - 2.40]
Other external causes (E800-807,E820-949,E970-999)	50	52.82	0.95	[0.70 - 1.25]
UNKNOWN CAUSES	0			
OTHER CAUSES	5			

Table 2.1.15
Mortality by cause

Sweden
Men

Causes of death (ICD 9th.revision)	Observed	Expected	SMR	95% Confidence intervals
ALL CAUSES	1058	1090.44	0.97	[0.91 - 1.03]
ALL MALIGNANT NEOPLASMS (140-208)	209	238.5	0.88	[0.76 - 1.00]
Oral cavity & pharynx (140-149)	2	4.67	0.43	[0.05 - 1.55]
Oral cavity (141,143-145)	1	1.87	0.54	[0.01 - 2.98]
Nasopharynx (147)	0	0.57	0.00	[0.00 - 6.50]
Oesophagus (150)	2	5.21	0.38	[0.05 - 1.39]
Stomach (151)	23	25.3	0.91	[0.58 - 1.36]
Colon (153)	21	18.1	1.16	[0.72 - 1.77]
Rectum (154)	13	10.59	1.23	[0.65 - 2.10]
Liver (155)	3	5.72	0.52	[0.11 - 1.53]
Gallbladder (156)	2	3.98	0.50	[0.06 - 1.81]
Pancreas (157)	16	15.94	1.00	[0.57 - 1.63]
Peritoneum and other unspecified organs(158-159)	0	1.52	0.00	[0.00 - 2.42]
Nose & sinuses (160)	0	0.39	0.00	[0.00 - 9.52]
Larynx (161)	1	1.34	0.75	[0.02 - 4.16]
Lung (162)	30	42.45	0.71	[0.48 - 1.01]
Pleura (163)	5	0.65	7.68	[2.49 - 17.9]
Other respiratory organs (164-165)	2	1.33	1.50	[0.18 - 5.42]
Bone (170)	0	1.25	0.00	[0.00 - 2.95]
Soft tissue (171)	3	1.19	2.52	[0.52 - 7.36]
Melanoma (172)	0	4.37	0.00	[0.00 - 0.84]
Other skin (173)	0	0.63	0.00	[0.00 - 5.88]
Breast (174-175)	1	0.27	3.71	[0.09 - 20.7]
Cervix uteri (180)	0	-	-	-
Corpus uteri & uterus unspecified (179,181-182)	0	-	-	-
Ovary (183)	0	-	-	-
Other female genital organs (184)	0	-	-	-
Prostate (185)	31	31.45	0.99	[0.67 - 1.40]
Testis (186)	0	1.12	0.00	[0.00 - 3.28]
Other male genital organs (187)	1	0.37	2.74	[0.07 - 15.3]
Bladder (188)	9	7.55	1.19	[0.55 - 2.26]
Kidney (189)	9	10.58	0.85	[0.39 - 1.62]
Eye (190)	0	0.28	0.00	[0.00 - 13.4]
Brain (191-192)	7	8.27	0.85	[0.34 - 1.74]
Thyroid (193)	1	0.88	1.13	[0.03 - 6.30]
Other endocrine glands (194)	1	0.37	2.73	[0.07 - 15.2]
Ill defined (195,199)	6	6.68	0.90	[0.33 - 1.95]
Lymphatic & hematopoeitic tissue (200-208)	16	23.42	0.68	[0.39 - 1.11]
Non-Hodgkins lymphoma (200,202)	5	7.09	0.70	[0.23 - 1.64]
Hodgkins disease (201)	1	2.16	0.46	[0.01 - 2.58]
Multiple myeloma (203)	4	4.87	0.82	[0.22 - 2.10]
Leukemia & aleukemia (204-208)	6	9.33	0.64	[0.24 - 1.40]
Lymphoid leukemia (204)	1	2.52	0.40	[0.01 - 2.21]
Myeloid leukemia (205)	3	3.47	0.87	[0.18 - 2.53]
BENIGN NEOPLASMS (210-239)	5	4.85	1.03	[0.33 - 2.41]
DIS. OF ENDOCRINE SYSTEM & BLOOD (240-289)	20	20.92	0.96	[0.58 - 1.48]
MENTAL DISORDERS (290-319)	11	14.81	0.74	[0.37 - 1.33]
DIS. OF NERVOUS SYSTEM (320-389)	9	13.26	0.68	[0.31 - 1.29]
DIS. OF CIRCULATORY SYSTEM (390-459)	589	538.31	1.09	[1.01 - 1.19]
Hypertension (401-405)	6	7.57	0.79	[0.29 - 1.73]
Ischaemic heart disease (410-414)	404	365.44	1.11	[1.00 - 1.22]
Cerebrovascular (430-438)	91	85.74	1.06	[0.85 - 1.30]
Other heart diseases (4150,4152-4299)	42	35.5	1.18	[0.85 - 1.60]
DIS. OF RESPIRATORY SYSTEM (460-519)	36	59.89	0.60	[0.42 - 0.83]
Influenza (487)	4	1.62	2.47	[0.67 - 6.32]
Pneumonia (480-486)	18	33.1	0.54	[0.32 - 0.86]
Bronchitis,emphysema & asthma (490-493)	8	18.25	0.44	[0.19 - 0.86]
Pneumoconioses (500-508)	0	0.92	0.00	[0.00 - 4.03]
DIS. OF DIGESTIVE SYSTEM (520-579)	29	43.4	0.67	[0.45 - 0.96]
Liver cirrhosis (571)	9	14.12	0.64	[0.29 - 1.21]
DIS. OF GENITO-URINARY SYSTEM (580-629)	18	17.54	1.03	[0.61 - 1.62]
Nephritis & nephrosis (580-589)	5	5.7	0.88	[0.28 - 2.05]
DIS. OF THE SKIN (680-739)	5	3.25	1.54	[0.50 - 3.59]
SYMPTOMS AND ILL-DEFINED CONDITIONS (780-799)	9	6.38	1.41	[0.65 - 2.68]
EXTERNAL CAUSES (E800-999)	114	118.3	0.96	[0.79 - 1.16]
Traffic accident (E810-819)	22	22.5	0.98	[0.61 - 1.48]
Suicide (E950-959)	44	42.93	1.02	[0.74 - 1.38]
Homicide (E960-969)	1	2.16	0.46	[0.01 - 2.58]
Other external causes (E800-807,E820-949,E970-999)	47	50.71	0.93	[0.68 - 1.23]
UNKNOWN CAUSES	0			
OTHER CAUSES	4			

Table 2.1.15
Mortality by cause

Sweden
Women

Causes of death (ICD 9th.revision)	Observed	Expected	SMR	95% Confidence intervals
ALL CAUSES	61	77.47	0.79	[0.60 - 1.01]
ALL MALIGNANT NEOPLASMS (140-208)	18	25.9	0.70	[0.41 - 1.10]
Oral cavity & pharynx (140-149)	0	0.23	0.00	[0.00 - 15.8]
Oral cavity (141,143-145)	0	0.1	0.00	[0.00 - 35.2]
Nasopharynx (147)	0	0.03	0.00	[0.00 - 0133]
Oesophagus (150)	0	0.18	0.00	[0.00 - 20.0]
Stomach (151)	0	1.46	0.00	[0.00 - 2.53]
Colon (153)	2	2	1.00	[0.12 - 3.62]
Rectum (154)	0	0.85	0.00	[0.00 - 4.34]
Liver (155)	1	0.5	2.01	[0.05 - 11.2]
Gallbladder (156)	0	0.97	0.00	[0.00 - 3.81]
Pancreas (157)	1	1.56	0.64	[0.02 - 3.58]
Peritoneum and other unspecified organs(158-159)	1	0.19	5.24	[0.13 - 29.2]
Nose & sinuses (160)	0	0.02	0.00	[0.00 - 0157]
Larynx (161)	0	0.02	0.00	[0.00 - 0176]
Lung (162)	3	2	1.50	[0.31 - 4.38]
Pleura (163)	0	0.03	0.00	[0.00 - 0136]
Other respiratory organs (164-165)	0	0.07	0.00	[0.00 - 50.1]
Bone (170)	0	0.09	0.00	[0.00 - 41.8]
Soft tissue (171)	2	0.13	15.10	[1.83 - 54.5]
Melanoma (172)	0	0.41	0.00	[0.00 - 8.91]
Other skin (173)	0	0.05	0.00	[0.00 - 81.0]
Breast (174-175)	4	5.09	0.79	[0.21 - 2.01]
Cervix uteri (180)	1	1.11	0.90	[0.02 - 5.02]
Corpus uteri & uterus unspecified (179,181-182)	0	0.82	0.00	[0.00 - 4.50]
Ovary (183)	0	2.43	0.00	[0.00 - 1.52]
Other female genital organs (184)	0	0.19	0.00	[0.00 - 19.4]
Prostate (185)	0	-	-	-
Testis (186)	0	-	-	-
Other male genital organs (187)	0	-	-	-
Bladder (188)	0	0.3	0.00	[0.00 - 12.4]
Kidney (189)	0	0.85	0.00	[0.00 - 4.35]
Eye (190)	0	0.03	0.00	[0.00 - 0134]
Brain (191-192)	0	0.9	0.00	[0.00 - 4.10]
Thyroid (193)	0	0.15	0.00	[0.00 - 25.3]
Other endocrine glands (194)	0	0.04	0.00	[0.00 - 87.6]
Ill defined (195,199)	0	0.93	0.00	[0.00 - 3.96]
Lymphatic & hematopoeitic tissue (200-208)	3	2.09	1.43	[0.30 - 4.19]
Non-Hodgkins lymphoma (200,202)	1	0.65	1.54	[0.04 - 8.59]
Hodgkins disease (201)	0	0.15	0.00	[0.00 - 24.6]
Multiple myeloma (203)	0	0.44	0.00	[0.00 - 8.43]
Leukemia & aleukemia (204-208)	2	0.86	2.34	[0.28 - 8.44]
Lymphoid leukemia (204)	0	0.17	0.00	[0.00 - 21.7]
Myeloid leukemia (205)	1	0.41	2.44	[0.06 - 13.6]
BENIGN NEOPLASMS (210-239)	0	0.54	0.00	[0.00 - 6.89]
DIS. OF ENDOCRINE SYSTEM & BLOOD (240-289)	3	1.97	1.52	[0.31 - 4.45]
MENTAL DISORDERS (290-319)	0	0.99	0.00	[0.00 - 3.73]
DIS. OF NERVOUS SYSTEM (320-389)	0	1.25	0.00	[0.00 - 2.94]
DIS. OF CIRCULATORY SYSTEM (390-459)	26	31.03	0.84	[0.55 - 1.23]
Hypertension (401-405)	0	0.47	0.00	[0.00 - 7.92]
Ischaemic heart disease (410-414)	15	16.22	0.92	[0.52 - 1.53]
Cerebrovascular (430-438)	4	7.72	0.52	[0.14 - 1.33]
Other heart diseases (4150,4152-4299)	4	2.95	1.36	[0.37 - 3.48]
DIS. OF RESPIRATORY SYSTEM (460-519)	7	3.94	1.78	[0.71 - 3.66]
Influenza (487)	0	0.11	0.00	[0.00 - 33.9]
Pneumonia (480-486)	6	2.13	2.81	[1.03 - 6.13]
Bronchitis,emphysema & asthma (490-493)	1	1.25	0.80	[0.02 - 4.44]
Pneumoconioses (500-508)	0	0.02	0.00	[0.00 - 0192]
DIS. OF DIGESTIVE SYSTEM (520-579)	1	2.77	0.36	[0.01 - 2.01]
Liver cirrhosis (571)	1	0.83	1.21	[0.03 - 6.74]
DIS. OF GENITO-URINARY SYSTEM (580-629)	0	1.13	0.00	[0.00 - 3.26]
Nephritis & nephrosis (580-589)	0	0.41	0.00	[0.00 - 8.90]
DIS. OF THE SKIN (680-739)	1	0.7	1.44	[0.04 - 8.01]
SYMPTOMS AND ILL-DEFINED CONDITIONS (780-799)	0	0.48	0.00	[0.00 - 7.70]
EXTERNAL CAUSES (E800-999)	4	5.75	0.70	[0.19 - 1.78]
Traffic accident (E810-819)	0	1.06	0.00	[0.00 - 3.48]
Suicide (E950-959)	1	2.43	0.41	[0.01 - 2.29]
Homicide (E960-969)	0	0.16	0.00	[0.00 - 23.1]
Other external causes (E800-807,E820-949,E970-999)	3	2.1	1.43	[0.29 - 4.17]
UNKNOWN CAUSES	0			
OTHER CAUSES	1			

Table 2.1.16
Mortality by cause

Scotland

Causes of death (ICD 9th.revision)	Observed	Expected	SMR	95% Confidence intervals
ALL CAUSES	958	1132.34	0.85	[0.79 - 0.90]
ALL MALIGNANT NEOPLASMS (140-208)	219	286.55	0.76	[0.67 - 0.87]
Oral cavity & pharynx (140-149)	0	4.6	0.00	[0.00 - 0.80]
Oral cavity (141,143-145)	0	2.11	0.00	[0.00 - 1.75]
Nasopharynx (147)	0	0.45	0.00	[0.00 - 8.21]
Oesophagus (150)	11	10.82	1.02	[0.51 - 1.82]
Stomach (151)	16	23.48	0.68	[0.39 - 1.11]
Colon (153)	12	20.12	0.60	[0.31 - 1.04]
Rectum (154)	8	11.47	0.70	[0.30 - 1.37]
Liver (155)	0	2.95	0.00	[0.00 - 1.25]
Gallbladder (156)	2	1.64	1.22	[0.15 - 4.39]
Pancreas (157)	15	11.37	1.32	[0.74 - 2.17]
Peritoneum and other unspecified organs(158-159)	1	1.66	0.60	[0.02 - 3.36]
Nose & sinuses (160)	0	0.35	0.00	[0.00 - 10.6]
Larynx (161)	2	2.37	0.84	[0.10 - 3.04]
Lung (162)	66	103.53	0.64	[0.49 - 0.81]
Pleura (163)	0	0.87	0.00	[0.00 - 4.24]
Other respiratory organs (164-165)	0	0.21	0.00	[0.00 - 17.9]
Bone (170)	0	0.96	0.00	[0.00 - 3.85]
Soft tissue (171)	0	0.94	0.00	[0.00 - 3.91]
Melanoma (172)	3	1.8	1.67	[0.34 - 4.87]
Other skin (173)	2	0.91	2.19	[0.27 - 7.91]
Breast (174-175)	7	11.06	0.63	[0.25 - 1.30]
Cervix uteri (180)	4	2.2	1.81	[0.49 - 4.65]
Corpus uteri & uterus unspecified (179,181-182)	0	1.03	0.00	[0.00 - 3.58]
Ovary (183)	1	3.35	0.30	[0.01 - 1.66]
Other female genital organs (184)	0	0.28	0.00	[0.00 - 13.4]
Prostate (185)	14	13.81	1.01	[0.55 - 1.70]
Testis (186)	2	0.92	2.18	[0.26 - 7.88]
Other male genital organs (187)	0	0.36	0.00	[0.00 - 10.2]
Bladder (188)	8	9.55	0.84	[0.36 - 1.65]
Kidney (189)	5	5.7	0.88	[0.28 - 2.05]
Eye (190)	0	0.32	0.00	[0.00 - 11.7]
Brain (191-192)	8	6.16	1.30	[0.56 - 2.56]
Thyroid (193)	0	0.55	0.00	[0.00 - 6.71]
Other endocrine glands (194)	0	0.24	0.00	[0.00 - 15.6]
Ill defined (195,199)	10	12.17	0.82	[0.39 - 1.51]
Lymphatic & hematopoietic tissue (200-208)	20	16.58	1.21	[0.74 - 1.86]
Non-Hodgkins lymphoma (200,202)	8	5.8	1.38	[0.60 - 2.72]
Hodgkins disease (201)	1	1.81	0.55	[0.01 - 3.09]
Multiple myeloma (203)	4	3.03	1.32	[0.36 - 3.38]
Leukemia & aleukemia (204-208)	7	5.95	1.18	[0.47 - 2.42]
Lymphoid leukemia (204)	1	1.59	0.63	[0.02 - 3.51]
Myeloid leukemia (205)	4	2.73	1.47	[0.40 - 3.75]
BENIGN NEOPLASMS (210-239)	2	2.7	0.74	[0.09 - 2.67]
DIS. OF ENDOCRINE SYSTEM & BLOOD (240-289)	14	15.78	0.89	[0.48 - 1.49]
MENTAL DISORDERS (290-319)	5	9.95	0.50	[0.16 - 1.17]
DIS. OF NERVOUS SYSTEM (320-389)	7	14.55	0.48	[0.19 - 0.99]
DIS. OF CIRCULATORY SYSTEM (390-459)	554	552.13	1.00	[0.92 - 1.09]
Hypertension (401-405)	9	9.95	0.90	[0.41 - 1.72]
Ischaemic heart disease (410-414)	351	356.76	0.98	[0.88 - 1.09]
Cerebrovascular (430-438)	136	121.18	1.12	[0.94 - 1.33]
Other heart diseases (4150,4152-4299)	28	26.36	1.06	[0.71 - 1.54]
DIS. OF RESPIRATORY SYSTEM (460-519)	84	118.49	0.71	[0.57 - 0.88]
Influenza (487)	0	2.61	0.00	[0.00 - 1.41]
Pneumonia (480-486)	36	46.06	0.78	[0.55 - 1.08]
Bronchitis,emphysema & asthma (490-493)	30	37.7	0.80	[0.54 - 1.14]
Pneumoconioses (500-508)	3	2.25	1.33	[0.28 - 3.90]
DIS. OF DIGESTIVE SYSTEM (520-579)	18	35.54	0.51	[0.30 - 0.80]
Liver cirrhosis (571)	1	8.93	0.11	[0.00 - 0.62]
DIS. OF GENITO-URINARY SYSTEM (580-629)	7	14.2	0.49	[0.20 - 1.02]
Nephritis & nephrosis (580-589)	6	7.62	0.79	[0.29 - 1.71]
DIS. OF THE SKIN (680-739)	3	3.85	0.78	[0.16 - 2.28]
SYMPTOMS AND ILL-DEFINED CONDITIONS (780-799)	0	2.85	0.00	[0.00 - 1.29]
EXTERNAL CAUSES (E800-999)	43	65.14	0.66	[0.48 - 0.89]
Traffic accident (E810-819)	9	17.06	0.53	[0.24 - 1.00]
Suicide (E950-959)	10	14.57	0.69	[0.33 - 1.26]
Homicide (E960-969)	2	2.18	0.92	[0.11 - 3.32]
Other external causes (E800-807,E820-949,E970-999)	22	31.33	0.70	[0.44 - 1.06]
UNKNOWN CAUSES	0			
OTHER CAUSES	2			

Table 2.1.16
Mortality by cause

Scotland
Men

Causes of death (ICD 9th.revision)	Observed	Expected	SMR	95% Confidence intervals
ALL CAUSES	812	957.39	0.85	[0.79 - 0.91]
ALL MALIGNANT NEOPLASMS (140-208)	176	235.79	0.75	[0.64 - 0.87]
Oral cavity & pharynx (140-149)	0	4.06	0.00	[0.00 - 0.91]
Oral cavity (141,143-145)	0	1.86	0.00	[0.00 - 1.98]
Nasopharynx (147)	0	0.4	0.00	[0.00 - 9.19]
Oesophagus (150)	11	9.37	1.17	[0.59 - 2.10]
Stomach (151)	13	20.7	0.63	[0.33 - 1.07]
Colon (153)	10	15.9	0.63	[0.30 - 1.16]
Rectum (154)	8	9.71	0.82	[0.36 - 1.62]
Liver (155)	0	2.54	0.00	[0.00 - 1.45]
Gallbladder (156)	1	1.22	0.82	[0.02 - 4.58]
Pancreas (157)	11	9.42	1.17	[0.58 - 2.09]
Peritoneum and other unspecified organs(158-159)	0	1.34	0.00	[0.00 - 2.76]
Nose & sinuses (160)	0	0.29	0.00	[0.00 - 12.8]
Larynx (161)	2	2.22	0.90	[0.11 - 3.25]
Lung (162)	58	94.63	0.61	[0.47 - 0.79]
Pleura (163)	0	0.84	0.00	[0.00 - 4.41]
Other respiratory organs (164-165)	0	0.17	0.00	[0.00 - 21.8]
Bone (170)	0	0.82	0.00	[0.00 - 4.49]
Soft tissue (171)	0	0.74	0.00	[0.00 - 4.96]
Melanoma (172)	3	1.34	2.23	[0.46 - 6.52]
Other skin (173)	1	0.79	1.26	[0.03 - 7.02]
Breast (174-175)	0	0.23	0.00	[0.00 - 16.2]
Cervix uteri (180)	0	-	-	-
Corpus uteri & uterus unspecified (179,181-182)	0	-	-	-
Ovary (183)	0	-	-	-
Other female genital organs (184)	0	-	-	-
Prostate (185)	14	13.81	1.01	[0.55 - 1.70]
Testis (186)	2	0.92	2.18	[0.26 - 7.88]
Other male genital organs (187)	0	0.36	0.00	[0.00 - 10.2]
Bladder (188)	6	8.62	0.70	[0.26 - 1.52]
Kidney (189)	5	4.9	1.02	[0.33 - 2.38]
Eye (190)	0	0.25	0.00	[0.00 - 15.0]
Brain (191-192)	8	4.98	1.60	[0.69 - 3.16]
Thyroid (193)	0	0.37	0.00	[0.00 - 9.90]
Other endocrine glands (194)	0	0.18	0.00	[0.00 - 20.8]
Ill defined (195,199)	7	9.75	0.72	[0.29 - 1.48]
Lymphatic & hematopoietic tissue (200-208)	15	13.46	1.11	[0.62 - 1.84]
Non-Hodgkins lymphoma (200,202)	6	4.66	1.29	[0.47 - 2.80]
Hodgkins disease (201)	0	1.46	0.00	[0.00 - 2.52]
Multiple myeloma (203)	4	2.49	1.61	[0.44 - 4.11]
Leukemia & aleukemia (204-208)	5	4.84	1.03	[0.34 - 2.41]
Lymphoid leukemia (204)	1	1.37	0.73	[0.02 - 4.06]
Myeloid leukemia (205)	3	2.11	1.42	[0.29 - 4.15]
BENIGN NEOPLASMS (210-239)	1	2.12	0.47	[0.01 - 2.63]
DIS. OF ENDOCRINE SYSTEM & BLOOD (240-289)	12	12.34	0.97	[0.50 - 1.70]
MENTAL DISORDERS (290-319)	4	7.85	0.51	[0.14 - 1.30]
DIS. OF NERVOUS SYSTEM (320-389)	5	11.61	0.43	[0.14 - 1.00]
DIS. OF CIRCULATORY SYSTEM (390-459)	477	473.86	1.01	[0.92 - 1.10]
Hypertension (401-405)	6	8.36	0.72	[0.26 - 1.56]
Ischaemic heart disease (410-414)	305	316.11	0.96	[0.86 - 1.08]
Cerebrovascular (430-438)	112	97.2	1.15	[0.95 - 1.39]
Other heart diseases (4150,4152-4299)	26	21.51	1.21	[0.79 - 1.77]
DIS. OF RESPIRATORY SYSTEM (460-519)	75	103.06	0.73	[0.57 - 0.91]
Influenza (487)	0	2.16	0.00	[0.00 - 1.71]
Pneumonia (480-486)	29	38.24	0.76	[0.51 - 1.09]
Bronchitis,emphysema & asthma (490-493)	28	34.75	0.81	[0.54 - 1.16]
Pneumoconioses (500-508)	3	2.17	1.39	[0.29 - 4.05]
DIS. OF DIGESTIVE SYSTEM (520-579)	15	29.04	0.52	[0.29 - 0.85]
Liver cirrhosis (571)	1	7.29	0.14	[0.00 - 0.76]
DIS. OF GENITO-URINARY SYSTEM (580-629)	6	11.52	0.52	[0.19 - 1.13]
Nephritis & nephrosis (580-589)	6	6.15	0.98	[0.36 - 2.12]
DIS. OF THE SKIN (680-739)	2	2.58	0.78	[0.09 - 2.80]
SYMPTOMS AND ILL-DEFINED CONDITIONS (780-799)	0	2.38	0.00	[0.00 - 1.55]
EXTERNAL CAUSES (E800-999)	37	56.67	0.65	[0.46 - 0.90]
Traffic accident (E810-819)	8	15.26	0.52	[0.23 - 1.03]
Suicide (E950-959)	8	12.39	0.65	[0.28 - 1.27]
Homicide (E960-969)	2	1.83	1.09	[0.13 - 3.94]
Other external causes (E800-807,E820-949,E970-999)	19	27.19	0.70	[0.42 - 1.09]
UNKNOWN CAUSES	0			
OTHER CAUSES	2			

Table 2.1.16
Mortality by cause

Scotland
Women

Causes of death (ICD 9th.revision)	Observed	Expected	SMR	95% Confidence intervals
ALL CAUSES	146	174.95	0.83	[0.70 - 0.98]
ALL MALIGNANT NEOPLASMS (140-208)	43	50.76	0.85	[0.61 - 1.14]
Oral cavity & pharynx (140-149)	0	0.53	0.00	[0.00 - 6.90]
Oral cavity (141,143-145)	0	0.24	0.00	[0.00 - 15.2]
Nasopharynx (147)	0	0.05	0.00	[0.00 - 76.8]
Oesophagus (150)	0	1.45	0.00	[0.00 - 2.54]
Stomach (151)	3	2.78	1.08	[0.22 - 3.15]
Colon (153)	2	4.22	0.47	[0.06 - 1.71]
Rectum (154)	0	1.77	0.00	[0.00 - 2.09]
Liver (155)	0	0.41	0.00	[0.00 - 9.08]
Gallbladder (156)	1	0.43	2.34	[0.06 - 13.1]
Pancreas (157)	4	1.96	2.05	[0.56 - 5.24]
Peritoneum and other unspecified organs(158-159)	1	0.32	3.15	[0.08 - 17.5]
Nose & sinuses (160)	0	0.06	0.00	[0.00 - 62.2]
Larynx (161)	0	0.15	0.00	[0.00 - 23.9]
Lung (162)	8	8.9	0.90	[0.39 - 1.77]
Pleura (163)	0	0.03	0.00	[0.00 - 0.115]
Other respiratory organs (164-165)	0	0.04	0.00	[0.00 - 99.9]
Bone (170)	0	0.14	0.00	[0.00 - 27.0]
Soft tissue (171)	0	0.2	0.00	[0.00 - 18.5]
Melanoma (172)	0	0.46	0.00	[0.00 - 8.07]
Other skin (173)	1	0.12	8.36	[0.21 - 46.6]
Breast (174-175)	7	10.83	0.65	[0.26 - 1.33]
Cervix uteri (180)	4	2.2	1.81	[0.49 - 4.65]
Corpus uteri & uterus unspecified (179,181-182)	0	1.03	0.00	[0.00 - 3.58]
Ovary (183)	1	3.35	0.30	[0.01 - 1.66]
Other female genital organs (184)	0	0.28	0.00	[0.00 - 13.4]
Prostate (185)	0	-	-	-
Testis (186)	0	-	-	-
Other male genital organs (187)	0	-	-	-
Bladder (188)	2	0.93	2.15	[0.26 - 7.78]
Kidney (189)	0	0.8	0.00	[0.00 - 4.60]
Eye (190)	0	0.07	0.00	[0.00 - 53.4]
Brain (191-192)	0	1.18	0.00	[0.00 - 3.14]
Thyroid (193)	0	0.18	0.00	[0.00 - 20.8]
Other endocrine glands (194)	0	0.06	0.00	[0.00 - 62.6]
Ill defined (195,199)	3	2.42	1.24	[0.26 - 3.63]
Lymphatic & hematopoietic tissue (200-208)	5	3.13	1.60	[0.52 - 3.73]
Non-Hodgkins lymphoma (200,202)	2	1.13	1.77	[0.21 - 6.39]
Hodgkins disease (201)	1	0.34	2.92	[0.07 - 16.3]
Multiple myeloma (203)	0	0.54	0.00	[0.00 - 6.84]
Leukemia & aleukemia (204-208)	2	1.11	1.80	[0.22 - 6.49]
Lymphoid leukemia (204)	0	0.22	0.00	[0.00 - 17.1]
Myeloid leukemia (205)	1	0.62	1.62	[0.04 - 9.01]
BENIGN NEOPLASMS (210-239)	1	0.59	1.70	[0.04 - 9.47]
DIS. OF ENDOCRINE SYSTEM & BLOOD (240-289)	2	3.44	0.58	[0.07 - 2.10]
MENTAL DISORDERS (290-319)	1	2.09	0.48	[0.01 - 2.66]
DIS. OF NERVOUS SYSTEM (320-389)	2	2.94	0.68	[0.08 - 2.46]
DIS. OF CIRCULATORY SYSTEM (390-459)	77	78.27	0.98	[0.78 - 1.23]
Hypertension (401-405)	3	1.59	1.89	[0.39 - 5.51]
Ischaemic heart disease (410-414)	46	40.65	1.13	[0.83 - 1.51]
Cerebrovascular (430-438)	24	23.98	1.00	[0.64 - 1.49]
Other heart diseases (4150,4152-4299)	2	4.85	0.41	[0.05 - 1.49]
DIS. OF RESPIRATORY SYSTEM (460-519)	9	15.43	0.58	[0.27 - 1.11]
Influenza (487)	0	0.45	0.00	[0.00 - 8.14]
Pneumonia (480-486)	7	7.82	0.90	[0.36 - 1.84]
Bronchitis,emphysema & asthma (490-493)	2	2.95	0.68	[0.08 - 2.45]
Pneumoconioses (500-508)	0	0.09	0.00	[0.00 - 43.1]
DIS. OF DIGESTIVE SYSTEM (520-579)	3	6.51	0.46	[0.10 - 1.35]
Liver cirrhosis (571)	0	1.64	0.00	[0.00 - 2.25]
DIS. OF GENITO-URINARY SYSTEM (580-629)	1	2.67	0.37	[0.01 - 2.09]
Nephritis & nephrosis (580-589)	0	1.48	0.00	[0.00 - 2.50]
DIS. OF THE SKIN (680-739)	1	1.27	0.79	[0.02 - 4.38]
SYMPTOMS AND ILL-DEFINED CONDITIONS (780-799)	0	0.47	0.00	[0.00 - 7.84]
EXTERNAL CAUSES (E800-999)	6	8.46	0.71	[0.26 - 1.54]
Traffic accident (E810-819)	1	1.8	0.56	[0.01 - 3.09]
Suicide (E950-959)	2	2.18	0.92	[0.11 - 3.32]
Homicide (E960-969)	0	0.34	0.00	[0.00 - 10.8]
Other external causes (E800-807,E820-949,E970-999)	3	4.14	0.72	[0.15 - 2.12]
UNKNOWN CAUSES	0			
OTHER CAUSES	0			

Table 2.1.17
Mortality by cause

USA

Causes of death (ICD 9th.revision)	Observed	Expected	SMR	95% Confidence intervals
ALL CAUSES	505	563.73	0.90	[0.82 - 0.98]
ALL MALIGNANT NEOPLASMS (140-208)	122	120.36	1.01	[0.84 - 1.21]
Oral cavity & pharynx (140-149)	2	3.11	0.64	[0.08 - 2.32]
Oral cavity (141,143-145)	1	1.17	0.85	[0.02 - 4.74]
Nasopharynx (147)	0	0.13	0.00	[0.00 - 28.1]
Oesophagus (150)	3	3.09	0.97	[0.20 - 2.84]
Stomach (151)	5	5.61	0.89	[0.29 - 2.08]
Colon (153)	9	11.59	0.78	[0.36 - 1.47]
Rectum (154)	2	3.13	0.64	[0.08 - 2.31]
Liver (155)	1	1.76	0.57	[0.01 - 3.17]
Gallbladder (156)	2	0.94	2.13	[0.26 - 7.68]
Pancreas (157)	11	6.35	1.73	[0.87 - 3.10]
Peritoneum and other unspecified organs(158-159)	2	0.37	5.35	[0.65 - 19.3]
Nose & sinuses (160)	0	0.1	0.00	[0.00 - 35.3]
Larynx (161)	3	1.62	1.86	[0.38 - 5.42]
Lung (162)	35	38.42	0.91	[0.63 - 1.27]
Pleura (163)	0	0.07	0.00	[0.00 - 53.6]
Other respiratory organs (164-165)	1	0.07	14.70	[0.37 - 82.0]
Bone (170)	0	0.36	0.00	[0.00 - 10.1]
Soft tissue (171)	0	0.44	0.00	[0.00 - 8.42]
Melanoma (172)	0	0.73	0.00	[0.00 - 5.05]
Other skin (173)	1	0.4	2.48	[0.06 - 13.8]
Breast (174-175)	0	0.15	0.00	[0.00 - 24.0]
Cervix uteri (180)	0	-	-	-
Corpus uteri & uterus unspecified (179,181-182)	0	-	-	-
Ovary (183)	0	-	-	-
Other female genital organs (184)	0	-	-	-
Prostate (185)	12	13.43	0.89	[0.46 - 1.56]
Testis (186)	0	0.08	0.00	[0.00 - 47.1]
Other male genital organs (187)	0	0.09	0.00	[0.00 - 42.5]
Bladder (188)	8	4.02	1.99	[0.86 - 3.92]
Kidney (189)	3	2.66	1.13	[0.23 - 3.29]
Eye (190)	0	0.08	0.00	[0.00 - 44.6]
Brain (191-192)	2	1.41	1.42	[0.17 - 5.14]
Thyroid (193)	0	0.2	0.00	[0.00 - 18.0]
Other endocrine glands (194)	0	0.07	0.00	[0.00 - 51.9]
Ill defined (195,199)	7	4.72	1.48	[0.60 - 3.06]
Lymphatic & hematopoietic tissue (200-208)	10	10.3	0.97	[0.47 - 1.78]
Non-Hodgkins lymphoma (200,202)	2	2.92	0.69	[0.08 - 2.48]
Hodgkins disease (201)	0	0.63	0.00	[0.00 - 5.87]
Multiple myeloma (203)	2	1.81	1.10	[0.13 - 3.99]
Leukemia & aleukemia (204-208)	6	4.31	1.39	[0.51 - 3.03]
Lymphoid leukemia (204)	2	1.1	1.82	[0.22 - 6.57]
Myeloid leukemia (205)	1	1.46	0.68	[0.02 - 3.81]
BENIGN NEOPLASMS (210-239)	1	1.37	0.73	[0.02 - 4.07]
DIS. OF ENDOCRINE SYSTEM & BLOOD (240-289)	13	12.85	1.01	[0.54 - 1.73]
MENTAL DISORDERS (290-319)	3	3.17	0.95	[0.20 - 2.77]
DIS. OF NERVOUS SYSTEM (320-389)	1	5.33	0.19	[0.00 - 1.05]
DIS. OF CIRCULATORY SYSTEM (390-459)	254	304.86	0.83	[0.73 - 0.94]
Hypertension (401-405)	9	8.63	1.04	[0.48 - 1.98]
Ischaemic heart disease (410-414)	165	200.19	0.82	[0.70 - 0.96]
Cerebrovascular (430-438)	42	45.57	0.92	[0.66 - 1.25]
Other heart diseases (4150,4152-4299)	17	28.68	0.59	[0.35 - 0.95]
DIS. OF RESPIRATORY SYSTEM (460-519)	37	44.61	0.83	[0.58 - 1.14]
Influenza (487)	1	0.7	1.42	[0.04 - 7.92]
Pneumonia (480-486)	5	16.75	0.30	[0.10 - 0.70]
Bronchitis,emphysema & asthma (490-493)	11	8.88	1.24	[0.62 - 2.22]
Pneumoconioses (500-508)	0	1.3	0.00	[0.00 - 2.84]
DIS. OF DIGESTIVE SYSTEM (520-579)	15	21.39	0.70	[0.39 - 1.16]
Liver cirrhosis (571)	8	6.77	1.18	[0.51 - 2.33]
DIS. OF GENITO-URINARY SYSTEM (580-629)	6	9.25	0.65	[0.24 - 1.41]
Nephritis & nephrosis (580-589)	1	4.15	0.24	[0.01 - 1.34]
DIS. OF THE SKIN (680-739)	3	1.53	1.97	[0.41 - 5.75]
SYMPTOMS AND ILL-DEFINED CONDITIONS (780-799)	3	6.46	0.46	[0.10 - 1.36]
EXTERNAL CAUSES (E800-999)	19	26.53	0.72	[0.43 - 1.12]
Traffic accident (E810-819)	5	6.83	0.73	[0.24 - 1.71]
Suicide (E950-959)	4	5.98	0.67	[0.18 - 1.71]
Homicide (E960-969)	0	2.25	0.00	[0.00 - 1.64]
Other external causes (E800-807,E820-949,E970-999)	10	11.47	0.87	[0.42 - 1.60]
UNKNOWN CAUSES	0			
OTHER CAUSES	28			

Table 2.1.17
Mortality by cause

USA
Men

Causes of death (ICD 9th.revision)	Observed	Expected	SMR	95% Confidence intervals
ALL CAUSES	505	563.73	0.90	[0.82 - 0.98]
ALL MALIGNANT NEOPLASMS (140-208)	122	120.36	1.01	[0.84 - 1.21]
Oral cavity & pharynx (140-149)	2	3.11	0.64	[0.08 - 2.32]
Oral cavity (141,143-145)	1	1.17	0.85	[0.02 - 4.74]
Nasopharynx (147)	0	0.13	0.00	[0.00 - 28.1]
Oesophagus (150)	3	3.09	0.97	[0.20 - 2.84]
Stomach (151)	5	5.61	0.89	[0.29 - 2.08]
Colon (153)	9	11.59	0.78	[0.36 - 1.47]
Rectum (154)	2	3.13	0.64	[0.08 - 2.31]
Liver (155)	1	1.76	0.57	[0.01 - 3.17]
Gallbladder (156)	2	0.94	2.13	[0.26 - 7.68]
Pancreas (157)	11	6.35	1.73	[0.87 - 3.10]
Peritoneum and other unspecified organs(158-159)	2	0.37	5.35	[0.65 - 19.3]
Nose & sinuses (160)	0	0.1	0.00	[0.00 - 35.3]
Larynx (161)	3	1.62	1.86	[0.38 - 5.42]
Lung (162)	35	38.42	0.91	[0.63 - 1.27]
Pleura (163)	0	0.07	0.00	[0.00 - 53.6]
Other respiratory organs (164-165)	1	0.07	14.70	[0.37 - 82.0]
Bone (170)	0	0.36	0.00	[0.00 - 10.1]
Soft tissue (171)	0	0.44	0.00	[0.00 - 8.42]
Melanoma (172)	0	0.73	0.00	[0.00 - 5.05]
Other skin (173)	1	0.4	2.48	[0.06 - 13.8]
Breast (174-175)	0	0.15	0.00	[0.00 - 24.0]
Cervix uteri (180)	0	-	-	-
Corpus uteri & uterus unspecified (179,181-182)	0	-	-	-
Ovary (183)	0	-	-	-
Other female genital organs (184)	0	-	-	-
Prostate (185)	12	13.43	0.89	[0.46 - 1.56]
Testis (186)	0	0.08	0.00	[0.00 - 47.1]
Other male genital organs (187)	0	0.09	0.00	[0.00 - 42.5]
Bladder (188)	8	4.02	1.99	[0.86 - 3.92]
Kidney (189)	3	2.66	1.13	[0.23 - 3.29]
Eye (190)	0	0.08	0.00	[0.00 - 44.6]
Brain (191-192)	2	1.41	1.42	[0.17 - 5.14]
Thyroid (193)	0	0.2	0.00	[0.00 - 18.0]
Other endocrine glands (194)	0	0.07	0.00	[0.00 - 51.9]
Ill defined (195,199)	7	4.72	1.48	[0.60 - 3.06]
Lymphatic & hematopoeitic tissue (200-208)	10	10.3	0.97	[0.47 - 1.78]
Non-Hodgkins lymphoma (200,202)	2	2.92	0.69	[0.08 - 2.48]
Hodgkins disease (201)	0	0.63	0.00	[0.00 - 5.87]
Multiple myeloma (203)	2	1.81	1.10	[0.13 - 3.99]
Leukemia & aleukemia (204-208)	6	4.31	1.39	[0.51 - 3.03]
Lymphoid leukemia (204)	2	1.1	1.82	[0.22 - 6.57]
Myeloid leukemia (205)	1	1.46	0.68	[0.02 - 3.81]
BENIGN NEOPLASMS (210-239)	1	1.37	0.73	[0.02 - 4.07]
DIS. OF ENDOCRINE SYSTEM & BLOOD (240-289)	13	12.85	1.01	[0.54 - 1.73]
MENTAL DISORDERS (290-319)	3	3.17	0.95	[0.20 - 2.77]
DIS. OF NERVOUS SYSTEM (320-389)	1	5.33	0.19	[0.00 - 1.05]
DIS. OF CIRCULATORY SYSTEM (390-459)	254	304.86	0.83	[0.73 - 0.94]
Hypertension (401-405)	9	8.63	1.04	[0.48 - 1.98]
Ischaemic heart disease (410-414)	165	200.19	0.82	[0.70 - 0.96]
Cerebrovascular (430-438)	42	45.57	0.92	[0.66 - 1.25]
Other heart diseases (4150,4152-4299)	17	28.68	0.59	[0.35 - 0.95]
DIS. OF RESPIRATORY SYSTEM (460-519)	37	44.61	0.83	[0.58 - 1.14]
Influenza (487)	1	0.7	1.42	[0.04 - 7.92]
Pneumonia (480-486)	5	16.75	0.30	[0.10 - 0.70]
Bronchitis,emphysema & asthma (490-493)	11	8.88	1.24	[0.62 - 2.22]
Pneumoconioses (500-508)	0	1.3	0.00	[0.00 - 2.84]
DIS. OF DIGESTIVE SYSTEM (520-579)	15	21.39	0.70	[0.39 - 1.16]
Liver cirrhosis (571)	8	6.77	1.18	[0.51 - 2.33]
DIS. OF GENITO-URINARY SYSTEM (580-629)	6	9.25	0.65	[0.24 - 1.41]
Nephritis & nephrosis (580-589)	1	4.15	0.24	[0.01 - 1.34]
DIS. OF THE SKIN (680-739)	3	1.53	1.97	[0.41 - 5.75]
SYMPTOMS AND ILL-DEFINED CONDITIONS (780-799)	3	6.46	0.46	[0.10 - 1.36]
EXTERNAL CAUSES (E800-999)	19	26.53	0.72	[0.43 - 1.12]
Traffic accident (E810-819)	5	6.83	0.73	[0.24 - 1.71]
Suicide (E950-959)	4	5.98	0.67	[0.18 - 1.71]
Homicide (E960-969)	0	2.25	0.00	[0.00 - 1.64]
Other external causes (E800-807,E820-949,E970-999)	10	11.47	0.87	[0.42 - 1.60]
UNKNOWN CAUSES	0			
OTHER CAUSES	28			

Table 2.1.18
Mortality by cause

South Africa

Causes of death (ICD 9th.revision)	Observed	Expected	SMR	95% Confidence intervals
ALL CAUSES	114	.	.	[. . .]
ALL MALIGNANT NEOPLASMS (140-208)	10	.	.	[. . .]
Oral cavity & pharynx (140-149)	0	.	.	[. . .]
Oral cavity (141,143-145)	0	.	.	[. . .]
Nasopharynx (147)	0	.	.	[. . .]
Oesophagus (150)	1	.	.	[. . .]
Stomach (151)	0	.	.	[. . .]
Colon (153)	0	.	.	[. . .]
Rectum (154)	0	.	.	[. . .]
Liver (155)	0	.	.	[. . .]
Gallbladder (156)	0	.	.	[. . .]
Pancreas (157)	0	.	.	[. . .]
Peritoneum and other unspecified organs(158-159)	0	.	.	[. . .]
Nose & sinuses (160)	0	.	.	[. . .]
Larynx (161)	1	.	.	[. . .]
Lung (162)	4	.	.	[. . .]
Pleura (163)	0	.	.	[. . .]
Other respiratory organs (164-165)	1	.	.	[. . .]
Bone (170)	0	.	.	[. . .]
Soft tissue (171)	0	.	.	[. . .]
Melanoma (172)	1	.	.	[. . .]
Other skin (173)	0	.	.	[. . .]
Breast (174-175)	0	.	.	[. . .]
Cervix uteri (180)	0	.	.	[. . .]
Corpus uteri & uterus unspecified (179,181-182)	0	.	.	[. . .]
Ovary (183)	0	.	.	[. . .]
Other female genital organs (184)	0	.	.	[. . .]
Prostate (185)	0	.	.	[. . .]
Testis (186)	0	.	.	[. . .]
Other male genital organs (187)	1	.	.	[. . .]
Bladder (188)	0	.	.	[. . .]
Kidney (189)	1	.	.	[. . .]
Eye (190)	0	.	.	[. . .]
Brain (191-192)	0	.	.	[. . .]
Thyroid (193)	0	.	.	[. . .]
Other endocrine glands (194)	0	.	.	[. . .]
Ill defined (195,199)	0	.	.	[. . .]
Lymphatic & heamatopoeitic tissue (200-208)	0	.	.	[. . .]
Non-Hodgkins lymphoma (200,202)	0	.	.	[. . .]
Hodgkins disease (201)	0	.	.	[. . .]
Multiple myeloma (203)	0	.	.	[. . .]
Leukemia & aleukemia (204-208)	0	.	.	[. . .]
Lymphoid leukemia (204)	0	.	.	[. . .]
Myeloid leukemia (205)	0	.	.	[. . .]
BENIGN NEOPLASMS (210-239)	0	.	.	[. . .]
DIS. OF ENDOCRINE SYSTEM & BLOOD (240-289)	4	.	.	[. . .]
MENTAL DISORDERS (290-319)	0	.	.	[. . .]
DIS. OF NERVOUS SYSTEM (320-389)	0	.	.	[. . .]
DIS. OF CIRCULATORY SYSTEM (390-459)	8	.	.	[. . .]
Hypertension (401-405)	0	.	.	[. . .]
Ischaemic heart disease (410-414)	3	.	.	[. . .]
Cerebrovascular (430-438)	3	.	.	[. . .]
Other heart diseases (4150,4152-4299)	2	.	.	[. . .]
DIS. OF RESPIRATORY SYSTEM (460-519)	3	.	.	[. . .]
Influenza (487)	0	.	.	[. . .]
Pneumonia (480-486)	1	.	.	[. . .]
Bronchitis,emphysema & asthma (490-493)	0	.	.	[. . .]
Pneumoconioses (500-508)	0	.	.	[. . .]
DIS. OF DIGESTIVE SYSTEM (520-579)	8	.	.	[. . .]
Liver cirrhosis (571)	6	.	.	[. . .]
DIS. OF GENITO-URINARY SYSTEM (580-629)	4	.	.	[. . .]
Nephritis & nephrosis (580-589)	4	.	.	[. . .]
DIS. OF THE SKIN (680-739)	0	.	.	[. . .]
SYMPTOMS AND ILL-DEFINED CONDITIONS (780-799)	4	.	.	[. . .]
EXTERNAL CAUSES (E800-999)	8	.	.	[. . .]
Traffic accident (E810-819)	5	.	.	[. . .]
Suicide (E950-959)	0	.	.	[. . .]
Homicide (E960-969)	0	.	.	[. . .]
Other external causes (E800-807,E820-949,E970-999)	3	.	.	[. . .]
UNKNOWN CAUSES	0	.	.	[. . .]
OTHER CAUSES	65	.	.	[. . .]

Table 2.1.18
Mortality by cause

South Africa
Men

Causes of death (ICD 9th.revision)	Observed	Expected	SMR	95% Confidence intervals
ALL CAUSES	108	.	.	[. . .]
ALL MALIGNANT NEOPLASMS (140-208)	10	.	.	[. . .]
Oral cavity & pharynx (140-149)	0	.	.	[. . .]
Oral cavity (141,143-145)	0	.	.	[. . .]
Nasopharynx (147)	0	.	.	[. . .]
Oesophagus (150)	1	.	.	[. . .]
Stomach (151)	0	.	.	[. . .]
Colon (153)	0	.	.	[. . .]
Rectum (154)	0	.	.	[. . .]
Liver (155)	0	.	.	[. . .]
Gallbladder (156)	0	.	.	[. . .]
Pancreas (157)	0	.	.	[. . .]
Peritoneum and other unspecified organs(158-159)	0	.	.	[. . .]
Nose & sinuses (160)	0	.	.	[. . .]
Larynx (161)	1	.	.	[. . .]
Lung (162)	4	.	.	[. . .]
Pleura (163)	0	.	.	[. . .]
Other respiratory organs (164-165)	1	.	.	[. . .]
Bone (170)	0	.	.	[. . .]
Soft tissue (171)	0	.	.	[. . .]
Melanoma (172)	1	.	.	[. . .]
Other skin (173)	0	.	.	[. . .]
Breast (174-175)	0	.	.	[. . .]
Cervix uteri (180)	0	.	.	[. . .]
Corpus uteri & uterus unspecified (179,181-182)	0	.	.	[. . .]
Ovary (183)	0	.	.	[. . .]
Other female genital organs (184)	0	.	.	[. . .]
Prostate (185)	0	.	.	[. . .]
Testis (186)	0	.	.	[. . .]
Other male genital organs (187)	1	.	.	[. . .]
Bladder (188)	0	.	.	[. . .]
Kidney (189)	1	.	.	[. . .]
Eye (190)	0	.	.	[. . .]
Brain (191-192)	0	.	.	[. . .]
Thyroid (193)	0	.	.	[. . .]
Other endocrine glands (194)	0	.	.	[. . .]
Ill defined (195,199)	0	.	.	[. . .]
Lymphatic & hematopoietic tissue (200-208)	0	.	.	[. . .]
Non-Hodgkins lymphoma (200,202)	0	.	.	[. . .]
Hodgkins disease (201)	0	.	.	[. . .]
Multiple myeloma (203)	0	.	.	[. . .]
Leukemia & aleukemia (204-208)	0	.	.	[. . .]
Lymphoid leukemia (204)	0	.	.	[. . .]
Myeloid leukemia (205)	0	.	.	[. . .]
BENIGN NEOPLASMS (210-239)	0	.	.	[. . .]
DIS. OF ENDOCRINE SYSTEM & BLOOD (240-289)	4	.	.	[. . .]
MENTAL DISORDERS (290-319)	0	.	.	[. . .]
DIS. OF NERVOUS SYSTEM (320-389)	0	.	.	[. . .]
DIS. OF CIRCULATORY SYSTEM (390-459)	8	.	.	[. . .]
Hypertension (401-405)	0	.	.	[. . .]
Ischaemic heart disease (410-414)	3	.	.	[. . .]
Cerebrovascular (430-438)	3	.	.	[. . .]
Other heart diseases (4150,4152-4299)	2	.	.	[. . .]
DIS. OF RESPIRATORY SYSTEM (460-519)	3	.	.	[. . .]
Influenza (487)	0	.	.	[. . .]
Pneumonia (480-486)	1	.	.	[. . .]
Bronchitis,emphysema & asthma (490-493)	0	.	.	[. . .]
Pneumoconioses (500-508)	0	.	.	[. . .]
DIS. OF DIGESTIVE SYSTEM (520-579)	7	.	.	[. . .]
Liver cirrhosis (571)	6	.	.	[. . .]
DIS. OF GENITO-URINARY SYSTEM (580-629)	4	.	.	[. . .]
Nephritis & nephrosis (580-589)	4	.	.	[. . .]
DIS. OF THE SKIN (680-739)	0	.	.	[. . .]
SYMPTOMS AND ILL-DEFINED CONDITIONS (780-799)	4	.	.	[. . .]
EXTERNAL CAUSES (E800-999)	8	.	.	[. . .]
Traffic accident (E810-819)	5	.	.	[. . .]
Suicide (E950-959)	0	.	.	[. . .]
Homicide (E960-969)	0	.	.	[. . .]
Other external causes (E800-807,E820-949,E970-999)	3	.	.	[. . .]
UNKNOWN CAUSES	0	.	.	[. . .]
OTHER CAUSES	60	.	.	[. . .]

Table 2.1.18
Mortality by cause

South Africa
Women

Causes of death (ICD 9th.revision)	Observed	Expected	SMR	95% Confidence intervals
ALL CAUSES	6	.	.	[. . .]
ALL MALIGNANT NEOPLASMS (140-208)	0	.	.	[. . .]
Oral cavity & pharynx (140-149)	0	.	.	[. . .]
Oral cavity (141,143-145)	0	.	.	[. . .]
Nasopharynx (147)	0	.	.	[. . .]
Oesophagus (150)	0	.	.	[. . .]
Stomach (151)	0	.	.	[. . .]
Colon (153)	0	.	.	[. . .]
Rectum (154)	0	.	.	[. . .]
Liver (155)	0	.	.	[. . .]
Gallbladder (156)	0	.	.	[. . .]
Pancreas (157)	0	.	.	[. . .]
Peritoneum and other unspecified organs(158-159)	0	.	.	[. . .]
Nose & sinuses (160)	0	.	.	[. . .]
Larynx (161)	0	.	.	[. . .]
Lung (162)	0	.	.	[. . .]
Pleura (163)	0	.	.	[. . .]
Other respiratory organs (164-165)	0	.	.	[. . .]
Bone (170)	0	.	.	[. . .]
Soft tissue (171)	0	.	.	[. . .]
Melanoma (172)	0	.	.	[. . .]
Other skin (173)	0	.	.	[. . .]
Breast (174-175)	0	.	.	[. . .]
Cervix uteri (180)	0	.	.	[. . .]
Corpus uteri & uterus unspecified (179,181-182)	0	.	.	[. . .]
Ovary (183)	0	.	.	[. . .]
Other female genital organs (184)	0	.	.	[. . .]
Prostate (185)	0	.	.	[. . .]
Testis (186)	0	.	.	[. . .]
Other male genital organs (187)	0	.	.	[. . .]
Bladder (188)	0	.	.	[. . .]
Kidney (189)	0	.	.	[. . .]
Eye (190)	0	.	.	[. . .]
Brain (191-192)	0	.	.	[. . .]
Thyroid (193)	0	.	.	[. . .]
Other endocrine glands (194)	0	.	.	[. . .]
Ill defined (195,199)	0	.	.	[. . .]
Lymphatic & hematopoeitic tissue (200-208)	0	.	.	[. . .]
Non-Hodgkins lymphoma (200,202)	0	.	.	[. . .]
Hodgkins disease (201)	0	.	.	[. . .]
Multiple myeloma (203)	0	.	.	[. . .]
Leukemia & aleukemia (204-208)	0	.	.	[. . .]
Lymphoid leukemia (204)	0	.	.	[. . .]
Myeloid leukemia (205)	0	.	.	[. . .]
BENIGN NEOPLASMS (210-239)	0	.	.	[. . .]
DIS. OF ENDOCRINE SYSTEM & BLOOD (240-289)	0	.	.	[. . .]
MENTAL DISORDERS (290-319)	0	.	.	[. . .]
DIS. OF NERVOUS SYSTEM (320-389)	0	.	.	[. . .]
DIS. OF CIRCULATORY SYSTEM (390-459)	0	.	.	[. . .]
Hypertension (401-405)	0	.	.	[. . .]
Ischaemic heart disease (410-414)	0	.	.	[. . .]
Cerebrovascular (430-438)	0	.	.	[. . .]
Other heart diseases (4150,4152-4299)	0	.	.	[. . .]
DIS. OF RESPIRATORY SYSTEM (460-519)	0	.	.	[. . .]
Influenza (487)	0	.	.	[. . .]
Pneumonia (480-486)	0	.	.	[. . .]
Bronchitis,emphysema & asthma (490-493)	0	.	.	[. . .]
Pneumoconioses (500-508)	0	.	.	[. . .]
DIS. OF DIGESTIVE SYSTEM (520-579)	1	.	.	[. . .]
Liver cirrhosis (571)	0	.	.	[. . .]
DIS. OF GENITO-URINARY SYSTEM (580-629)	0	.	.	[. . .]
Nephritis & nephrosis (580-589)	0	.	.	[. . .]
DIS. OF THE SKIN (680-739)	0	.	.	[. . .]
SYMPTOMS AND ILL-DEFINED CONDITIONS (780-799)	0	.	.	[. . .]
EXTERNAL CAUSES (E800-999)	0	.	.	[. . .]
Traffic accident (E810-819)	0	.	.	[. . .]
Suicide (E950-959)	0	.	.	[. . .]
Homicide (E960-969)	0	.	.	[. . .]
Other external causes (E800-807,E820-949,E970-999)	0	.	.	[. . .]
UNKNOWN CAUSES	0	.	.	[. . .]
OTHER CAUSES	5	.	.	[. . .]

Table 2.2.1
Mortality from selected causes by years since first employment

TOTAL COHORT

years since first employment(years)	1-9	10-14	15-19	20-24	25+	Total
ALL CAUSES Test for trend : Chi2= 97.09 p=0.000	1525 / 2188.28 0.70 [0.66 - 0.73]	1483 / 1676.77 0.88 [0.84 - 0.93]	1930 / 2054.81 0.94 [0.90 - 0.98]	2074 / 2219.67 0.93 [0.89 - 0.98]	11510 / 12127.90 0.95 [0.93 - 0.97]	18522 / 20267.43 0.91 [0.90 - 0.93]
ALL MALIGNANT NEOPLASMS (140-208) Test for trend : Chi2= 9.85 p=0.002	337 / 448.15 0.75 [0.67 - 0.84]	384 / 398.35 0.96 [0.87 - 1.07]	469 / 512.79 0.91 [0.83 - 1.00]	535 / 563.97 0.95 [0.87 - 1.03]	2781 / 2917.24 0.95 [0.92 - 0.99]	4506 / 4840.50 0.93 [0.90 - 0.96]
Oral cavity & pharynx (140-149) Test for trend : Chi2= 0.63 p=0.426	6 / 10.43 0.58 [0.21 - 1.25]	11 / 10.00 1.10 [0.55 - 1.97]	12 / 13.28 0.90 [0.47 - 1.58]	12 / 14.73 0.81 [0.42 - 1.42]	40 / 61.67 0.65 [0.46 - 0.88]	81 / 110.11 0.74 [0.58 - 0.91]
Stomach (151) Test for trend : Chi2= 5.87 p=0.015	30 / 49.28 0.61 [0.41 - 0.87]	29 / 42.47 0.68 [0.46 - 0.98]	40 / 51.59 0.78 [0.55 - 1.06]	44 / 55.10 0.80 [0.58 - 1.07]	262 / 291.47 0.90 [0.79 - 1.01]	405 / 489.90 0.83 [0.75 - 0.91]
Liver (155) Test for trend : Chi2= 0.90 p=0.343	6 / 8.66 0.69 [0.25 - 1.51]	3 / 8.40 0.36 [0.07 - 1.04]	7 / 11.08 0.63 [0.25 - 1.30]	12 / 11.59 1.04 [0.54 - 1.81]	47 / 60.43 0.78 [0.57 - 1.03]	75 / 100.16 0.75 [0.59 - 0.94]
Larynx (161) Test for trend : Chi2= 0.12 p=0.734	5 / 6.15 0.81 [0.26 - 1.90]	5 / 6.13 0.82 [0.26 - 1.90]	9 / 8.16 1.10 [0.50 - 2.09]	9 / 8.75 1.03 [0.47 - 1.95]	33 / 34.00 0.97 [0.67 - 1.36]	61 / 63.19 0.97 [0.74 - 1.24]
Lung (162) Test for trend : Chi2= 1.55 p=0.213	80 / 93.96 0.85 [0.68 - 1.06]	97 / 94.20 1.03 [0.84 - 1.26]	124 / 125.78 0.99 [0.82 - 1.18]	153 / 139.49 1.10 [0.93 - 1.29]	711 / 690.70 1.03 [0.96 - 1.11]	1165 / 1144.12 1.02 [0.96 - 1.08]
Pleura (163) Test for trend : Chi2= 0.23 p=0.635	2 / 1.17 1.71 [0.21 - 6.16]	5 / 1.29 3.87 [1.26 - 9.03]	3 / 1.89 1.59 [0.33 - 4.63]	2 / 2.39 0.84 [0.10 - 3.02]	24 / 12.55 1.91 [1.23 - 2.85]	36 / 19.30 1.87 [1.31 - 2.58]
Soft tissue (171) Test for trend : Chi2= 0.67 p=0.413	7 / 3.07 2.28 [0.92 - 4.71]	1 / 2.00 0.50 [0.01 - 2.79]	3 / 2.22 1.35 [0.28 - 3.94]	1 / 2.33 0.43 [0.01 - 2.39]	13 / 10.11 1.29 [0.68 - 2.20]	25 / 19.73 1.27 [0.82 - 1.87]
Bladder (188) Test for trend : Chi2= 0.04 p=0.846	12 / 10.09 1.19 [0.61 - 2.08]	8 / 10.91 0.73 [0.32 - 1.44]	15 / 15.56 0.96 [0.54 - 1.59]	20 / 17.97 1.11 [0.68 - 1.72]	108 / 104.70 1.03 [0.85 - 1.25]	163 / 159.24 1.02 [0.87 - 1.19]
Lymphatic & hematopoietic tissue (200-208) Test for trend : Chi2= 0.75 p=0.385	38 / 53.53 0.71 [0.50 - 0.97]	39 / 36.38 1.07 [0.76 - 1.47]	38 / 42.09 0.90 [0.64 - 1.24]	45 / 43.91 1.02 [0.75 - 1.37]	202 / 218.11 0.93 [0.80 - 1.06]	362 / 394.03 0.92 [0.83 - 1.02]
Non-Hodgkins lymphoma (200,202) Test for trend : Chi2= 0.77 p=0.380	10 / 12.43 0.80 [0.39 - 1.48]	11 / 9.46 1.16 [0.58 - 2.08]	17 / 11.79 1.44 [0.84 - 2.31]	17 / 13.11 1.30 [0.76 - 2.08]	56 / 68.09 0.82 [0.62 - 1.07]	111 / 114.88 0.97 [0.79 - 1.16]
Hodgkins disease (201) Test for trend : Chi2= 1.35 p=0.245	9 / 10.01 0.90 [0.41 - 1.71]	4 / 5.28 0.76 [0.21 - 1.94]	4 / 4.83 0.83 [0.23 - 2.12]	2 / 4.12 0.49 [0.06 - 1.75]	18 / 12.78 1.41 [0.83 - 2.23]	37 / 37.02 1.00 [0.70 - 1.38]
Multiple myeloma (203) Test for trend : Chi2= 0.24 p=0.626	4 / 5.12 0.78 [0.21 - 2.00]	6 / 5.07 1.18 [0.43 - 2.57]	5 / 7.03 0.71 [0.23 - 1.66]	4 / 8.37 0.48 [0.13 - 1.22]	52 / 52.13 1.00 [0.74 - 1.31]	71 / 77.73 0.91 [0.71 - 1.15]
Leukemia & aleukemia (204-208) Test for trend : Chi2= 0.73 p=0.394	15 / 24.22 0.62 [0.35 - 1.02]	18 / 15.52 1.16 [0.69 - 1.83]	12 / 17.51 0.69 [0.35 - 1.20]	22 / 17.80 1.24 [0.77 - 1.87]	76 / 84.77 0.90 [0.71 - 1.12]	143 / 159.83 0.89 [0.75 - 1.05]
MENTAL DISORDERS (290-319) Test for trend : Chi2= 0.10 p=0.752	10 / 21.59 0.46 [0.22 - 0.85]	15 / 16.67 0.90 [0.50 - 1.48]	10 / 20.34 0.49 [0.24 - 0.90]	31 / 22.82 1.36 [0.92 - 1.93]	91 / 140.45 0.65 [0.52 - 0.80]	157 / 221.87 0.71 [0.60 - 0.83]
DIS. OF CIRCULATORY SYSTEM (390-459) Test for trend : Chi2= 45.34 p=0.000	455 / 651.98 0.70 [0.64 - 0.77]	546 / 631.88 0.86 [0.79 - 0.94]	810 / 852.38 0.95 [0.89 - 1.02]	876 / 980.76 0.89 [0.84 - 0.95]	5915 / 6045.14 0.98 [0.95 - 1.00]	8602 / 9162.13 0.94 [0.92 - 0.96]
Ischaemic heart disease (410-414) Test for trend : Chi2= 24.42 p=0.000	288 / 404.08 0.71 [0.63 - 0.80]	357 / 400.56 0.89 [0.80 - 0.99]	497 / 540.09 0.92 [0.84 - 1.00]	553 / 620.04 0.89 [0.82 - 0.97]	3578 / 3668.47 0.98 [0.94 - 1.01]	5273 / 5633.24 0.94 [0.91 - 0.96]
DIS. OF RESPIRATORY SYSTEM (460-519) Test for trend : Chi2= 3.12 p=0.077	43 / 82.08 0.52 [0.38 - 0.71]	57 / 76.21 0.75 [0.57 - 0.97]	95 / 106.66 0.89 [0.72 - 1.09]	120 / 130.24 0.92 [0.76 - 1.10]	768 / 953.64 0.81 [0.75 - 0.86]	1083 / 1348.82 0.80 [0.76 - 0.85]
DIS. OF DIGESTIVE SYSTEM (520-579) Test for trend : Chi2= 2.09 p=0.148	54 / 87.07 0.62 [0.47 - 0.81]	64 / 69.69 0.92 [0.71 - 1.17]	79 / 83.83 0.94 [0.75 - 1.17]	80 / 87.90 0.91 [0.72 - 1.13]	353 / 404.58 0.87 [0.78 - 0.97]	630 / 733.07 0.86 [0.79 - 0.93]
Liver cirrhosis (571) Test for trend : Chi2= 4.16 p=0.041	19 / 36.22 0.52 [0.32 - 0.82]	32 / 31.94 1.00 [0.69 - 1.41]	37 / 38.46 0.96 [0.68 - 1.33]	37 / 40.42 0.92 [0.64 - 1.26]	131 / 129.89 1.01 [0.84 - 1.20]	256 / 276.93 0.92 [0.81 - 1.04]
EXTERNAL CAUSES (E800-999) Test for trend : Chi2= 6.68 p=0.010	450 / 607.25 0.74 [0.67 - 0.81]	239 / 287.41 0.83 [0.73 - 0.94]	239 / 258.83 0.92 [0.81 - 1.05]	215 / 217.20 0.99 [0.86 - 1.13]	541 / 632.15 0.86 [0.79 - 0.93]	1684 / 2002.84 0.84 [0.80 - 0.88]

Table 2.2.2
Mortality from selected causes by years since first employment

TOTAL COHORT

Men

years since first employment(years)	1-9	10-14	15-19	20-24	25+	Total
ALL CAUSES Test for trend : Chi2= 75.80 p=0.000	1398 / 1987.31 0.70 [0.67 - 0.74]	1375 / 1520.19 0.90 [0.86 - 0.95]	1756 / 1853.46 0.95 [0.90 - 0.99]	1864 / 1994.68 0.93 [0.89 - 0.98]	10119 / 10667.21 0.95 [0.93 - 0.97]	16512 / 18022.84 0.92 [0.90 - 0.93]
ALL MALIGNANT NEOPLASMS (140-208) Test for trend : Chi2= 5.64 p=0.018	294 / 381.07 0.77 [0.69 - 0.86]	331 / 342.07 0.97 [0.87 - 1.08]	401 / 441.95 0.91 [0.82 - 1.00]	463 / 488.87 0.95 [0.86 - 1.04]	2420 / 2564.20 0.94 [0.91 - 0.98]	3909 / 4218.15 0.93 [0.90 - 0.96]
Oral cavity & pharynx (140-149) Test for trend : Chi2= 0.22 p=0.637	5 / 9.84 0.51 [0.16 - 1.19]	11 / 9.48 1.16 [0.58 - 2.08]	10 / 12.61 0.79 [0.38 - 1.46]	12 / 14.00 0.86 [0.44 - 1.50]	39 / 57.98 0.67 [0.48 - 0.92]	77 / 103.91 0.74 [0.58 - 0.93]
Stomach (151) Test for trend : Chi2= 4.03 p=0.045	28 / 44.60 0.63 [0.42 - 0.91]	26 / 38.49 0.68 [0.44 - 0.99]	38 / 46.67 0.81 [0.58 - 1.12]	41 / 49.80 0.82 [0.59 - 1.12]	232 / 262.79 0.88 [0.77 - 1.00]	365 / 442.36 0.83 [0.74 - 0.91]
Liver (155) Test for trend : Chi2= 0.11 p=0.740	6 / 7.65 0.78 [0.29 - 1.71]	2 / 7.33 0.27 [0.03 - 0.99]	7 / 9.71 0.72 [0.29 - 1.49]	12 / 10.34 1.16 [0.60 - 2.03]	37 / 53.42 0.69 [0.49 - 0.95]	64 / 88.44 0.72 [0.56 - 0.92]
Larynx (161) Test for trend : Chi2= 0.06 p=0.812	5 / 6.03 0.83 [0.27 - 1.94]	5 / 6.01 0.83 [0.27 - 1.94]	9 / 8.01 1.12 [0.51 - 2.13]	9 / 8.60 1.05 [0.48 - 1.99]	32 / 33.38 0.96 [0.66 - 1.35]	60 / 62.02 0.97 [0.74 - 1.25]
Lung (162) Test for trend : Chi2= 0.54 p=0.464	77 / 89.52 0.86 [0.68 - 1.08]	95 / 89.62 1.06 [0.86 - 1.30]	118 / 119.37 0.99 [0.82 - 1.18]	140 / 132.29 1.06 [0.89 - 1.25]	663 / 658.64 1.01 [0.93 - 1.09]	1093 / 1089.44 1.00 [0.94 - 1.06]
Pleura (163) Test for trend : Chi2= 0.79 p=0.373	2 / 1.12 1.79 [0.22 - 6.47]	5 / 1.23 4.06 [1.32 - 9.48]	3 / 1.80 1.67 [0.34 - 4.88]	1 / 2.27 0.44 [0.01 - 2.46]	20 / 11.78 1.70 [1.04 - 2.62]	31 / 18.19 1.70 [1.16 - 2.42]
Soft tissue (171) Test for trend : Chi2= 0.57 p=0.448	5 / 2.67 1.87 [0.61 - 4.37]	1 / 1.74 0.57 [0.01 - 3.20]	2 / 1.92 1.04 [0.13 - 3.76]	1 / 1.99 0.50 [0.01 - 2.79]	9 / 8.66 1.04 [0.48 - 1.97]	18 / 16.98 1.06 [0.63 - 1.67]
Bladder (188) Test for trend : Chi2= 0.49 p=0.486	11 / 9.61 1.14 [0.57 - 2.05]	6 / 10.38 0.58 [0.21 - 1.26]	14 / 14.78 0.95 [0.52 - 1.59]	18 / 17.02 1.06 [0.63 - 1.67]	105 / 98.82 1.06 [0.87 - 1.29]	154 / 150.62 1.02 [0.87 - 1.20]
Lymphatic & hematopoietic tissue (200-208) Test for trend : Chi2= 0.87 p=0.352	34 / 46.95 0.72 [0.50 - 1.01]	33 / 32.00 1.03 [0.71 - 1.45]	36 / 36.99 0.97 [0.68 - 1.35]	38 / 38.56 0.99 [0.70 - 1.35]	181 / 190.43 0.95 [0.82 - 1.10]	322 / 344.93 0.93 [0.83 - 1.04]
Non-Hodgkins lymphoma (200,202) Test for trend : Chi2= 0.80 p=0.373	9 / 11.20 0.80 [0.37 - 1.53]	11 / 8.49 1.30 [0.65 - 2.32]	17 / 10.48 1.62 [0.94 - 2.60]	13 / 11.55 1.13 [0.60 - 1.92]	51 / 58.84 0.87 [0.65 - 1.14]	101 / 100.57 1.00 [0.82 - 1.22]
Hodgkins disease (201) Test for trend : Chi2= 0.92 p=0.337	8 / 8.81 0.91 [0.39 - 1.79]	3 / 4.63 0.65 [0.13 - 1.89]	4 / 4.27 0.94 [0.26 - 2.40]	2 / 3.66 0.55 [0.07 - 1.97]	15 / 11.37 1.32 [0.74 - 2.18]	32 / 32.73 0.98 [0.67 - 1.38]
Multiple myeloma (203) Test for trend : Chi2= 0.22 p=0.636	4 / 4.62 0.87 [0.24 - 2.22]	5 / 4.52 1.11 [0.36 - 2.58]	5 / 6.19 0.81 [0.26 - 1.89]	3 / 7.32 0.41 [0.08 - 1.20]	47 / 45.24 1.04 [0.76 - 1.38]	64 / 67.89 0.94 [0.73 - 1.20]
Leukemia & aleukemia (204-208) Test for trend : Chi2= 1.11 p=0.292	13 / 20.86 0.62 [0.33 - 1.07]	14 / 13.46 1.04 [0.57 - 1.74]	10 / 15.26 0.66 [0.31 - 1.21]	20 / 15.57 1.28 [0.78 - 1.98]	68 / 74.61 0.91 [0.71 - 1.16]	125 / 139.76 0.89 [0.74 - 1.07]
MENTAL DISORDERS (290-319) Test for trend : Chi2= 0.41 p=0.522	10 / 20.25 0.49 [0.24 - 0.91]	15 / 15.73 0.95 [0.53 - 1.57]	10 / 19.03 0.53 [0.25 - 0.97]	31 / 21.07 1.47 [1.00 - 2.09]	80 / 110.00 0.73 [0.58 - 0.91]	146 / 186.08 0.78 [0.66 - 0.92]
DIS. OF CIRCULATORY SYSTEM (390-459) Test for trend : Chi2= 37.33 p=0.000	419 / 604.08 0.69 [0.63 - 0.76]	523 / 584.26 0.90 [0.82 - 0.98]	755 / 781.71 0.97 [0.90 - 1.04]	799 / 892.40 0.90 [0.83 - 0.96]	5215 / 5317.34 0.98 [0.95 - 1.01]	7711 / 8179.80 0.94 [0.92 - 0.96]
Ischaemic heart disease (410-414) Test for trend : Chi2= 20.55 p=0.000	275 / 387.39 0.71 [0.63 - 0.80]	348 / 380.90 0.91 [0.82 - 1.01]	472 / 508.39 0.93 [0.85 - 1.02]	516 / 578.59 0.89 [0.82 - 0.97]	3232 / 3319.53 0.97 [0.94 - 1.01]	4843 / 5174.81 0.94 [0.91 - 0.96]
DIS. OF RESPIRATORY SYSTEM (460-519) Test for trend : Chi2= 2.36 p=0.124	40 / 74.12 0.54 [0.39 - 0.73]	54 / 69.60 0.78 [0.58 - 1.01]	81 / 97.13 0.83 [0.66 - 1.04]	108 / 118.35 0.91 [0.75 - 1.10]	678 / 850.87 0.80 [0.74 - 0.86]	961 / 1210.08 0.79 [0.74 - 0.85]
DIS. OF DIGESTIVE SYSTEM (520-579) Test for trend : Chi2= 2.79 p=0.095	48 / 79.02 0.61 [0.45 - 0.81]	61 / 63.51 0.96 [0.73 - 1.23]	70 / 76.08 0.92 [0.72 - 1.16]	71 / 79.44 0.89 [0.70 - 1.13]	319 / 354.11 0.90 [0.80 - 1.01]	569 / 652.16 0.87 [0.80 - 0.95]
Liver cirrhosis (571) Test for trend : Chi2= 2.94 p=0.087	19 / 33.81 0.56 [0.34 - 0.88]	31 / 29.74 1.04 [0.71 - 1.48]	36 / 35.70 1.01 [0.71 - 1.40]	34 / 37.43 0.91 [0.63 - 1.27]	121 / 118.99 1.02 [0.84 - 1.22]	241 / 255.68 0.94 [0.83 - 1.07]
EXTERNAL CAUSES (E800-999) Test for trend : Chi2= 6.06 p=0.014	427 / 575.27 0.74 [0.67 - 0.82]	228 / 270.86 0.84 [0.74 - 0.96]	225 / 242.35 0.93 [0.81 - 1.06]	200 / 202.34 0.99 [0.86 - 1.14]	491 / 573.44 0.86 [0.78 - 0.94]	1571 / 1864.27 0.84 [0.80 - 0.89]

Table 2.2.2
Mortality from selected causes by years since first employment

TOTAL COHORT

Women

years since first employment(years)	1-9	10-14	15-19	20-24	25+	Total
ALL CAUSES	127 / 200.97 0.63 [0.53 - 0.75]	108 / 156.58 0.69 [0.57 - 0.83]	174 / 201.36 0.86 [0.74 - 1.00]	210 / 224.99 0.93 [0.81 - 1.07]	1391 / 1460.69 0.95 [0.90 - 1.00]	2010 / 2244.59 0.90 [0.86 - 0.94]
Test for trend : Chi2= 26.98 p=0.000						
ALL MALIGNANT NEOPLASMS (140-208)	43 / 67.09 0.64 [0.46 - 0.86]	53 / 56.28 0.94 [0.71 - 1.23]	68 / 70.84 0.96 [0.75 - 1.22]	72 / 75.10 0.96 [0.75 - 1.21]	361 / 353.05 1.02 [0.92 - 1.13]	597 / 622.35 0.96 [0.88 - 1.04]
Test for trend : Chi2= 6.50 p=0.011						
Oral cavity & pharynx (140-149)	1 / 0.59 1.69 [0.04 - 9.40]	0 / 0.52 0.00 [0.00 - 7.10]	2 / 0.67 2.97 [0.36 - 10.7]	0 / 0.73 0.00 [0.00 - 5.04]	1 / 3.68 0.27 [0.01 - 1.51]	4 / 6.20 0.65 [0.18 - 1.65]
Test for trend : Chi2= 2.24 p=0.134						
Stomach (151)	2 / 4.67 0.43 [0.05 - 1.55]	3 / 3.98 0.75 [0.16 - 2.21]	2 / 4.92 0.41 [0.05 - 1.47]	3 / 5.30 0.57 [0.12 - 1.66]	30 / 28.68 1.05 [0.71 - 1.49]	40 / 47.54 0.84 [0.60 - 1.15]
Test for trend : Chi2= 2.73 p=0.098						
Liver (155)	0 / 1.01 0.00 [0.00 - 3.66]	1 / 1.07 0.93 [0.02 - 5.19]	0 / 1.37 0.00 [0.00 - 2.68]	0 / 1.25 0.00 [0.00 - 2.95]	10 / 7.01 1.43 [0.68 - 2.62]	11 / 11.71 0.94 [0.47 - 1.68]
Test for trend : Chi2= 2.81 p=0.094						
Larynx (161)	0 / 0.12 0.00 [0.00 - 30.8]	0 / 0.12 0.00 [0.00 - 30.9]	0 / 0.16 0.00 [0.00 - 23.4]	0 / 0.15 0.00 [0.00 - 24.2]	1 / 0.62 1.62 [0.04 - 9.01]	1 / 1.17 0.86 [0.02 - 4.77]
Test for trend : Chi2= 0.63 p=0.427						
Lung (162)	3 / 4.44 0.68 [0.14 - 1.97]	2 / 4.57 0.44 [0.05 - 1.58]	6 / 6.41 0.94 [0.34 - 2.04]	13 / 7.20 1.81 [0.96 - 3.09]	48 / 32.06 1.50 [1.10 - 1.99]	72 / 54.68 1.32 [1.03 - 1.66]
Test for trend : Chi2= 4.85 p=0.028						
Pleura (163)	0 / 0.06 0.00 [0.00 - 66.4]	0 / 0.06 0.00 [0.00 - 59.8]	0 / 0.10 0.00 [0.00 - 38.3]	1 / 0.12 8.21 [0.21 - 45.8]	4 / 0.77 5.20 [1.42 - 13.3]	5 / 1.10 4.53 [1.47 - 10.6]
Test for trend : Chi2= 0.77 p=0.381						
Soft tissue (171)	2 / 0.39 5.07 [0.61 - 18.3]	0 / 0.25 0.00 [0.00 - 14.6]	1 / 0.30 3.30 [0.08 - 18.4]	0 / 0.34 0.00 [0.00 - 10.9]	4 / 1.46 2.74 [0.75 - 7.03]	7 / 2.75 2.55 [1.03 - 5.25]
Test for trend : Chi2= 0.17 p=0.680						
Bladder (188)	1 / 0.48 2.07 [0.05 - 11.5]	2 / 0.53 3.78 [0.46 - 13.6]	1 / 0.78 1.28 [0.03 - 7.11]	2 / 0.94 2.12 [0.26 - 7.65]	3 / 5.88 0.51 [0.11 - 1.49]	9 / 8.62 1.04 [0.48 - 1.98]
Test for trend : Chi2= 4.60 p=0.032						
Lymphatic & hematopoietic tissue (200-208)	4 / 6.59 0.61 [0.17 - 1.56]	6 / 4.38 1.37 [0.50 - 2.98]	2 / 5.10 0.39 [0.05 - 1.42]	7 / 5.35 1.31 [0.53 - 2.69]	21 / 27.68 0.76 [0.47 - 1.16]	40 / 49.10 0.81 [0.58 - 1.11]
Test for trend : Chi2= 0.00 p=0.986						
Non-Hodgkins lymphoma (200,202)	1 / 1.23 0.81 [0.02 - 4.54]	0 / 0.97 0.00 [0.00 - 3.80]	0 / 1.31 0.00 [0.00 - 2.83]	4 / 1.56 2.56 [0.70 - 6.56]	5 / 9.25 0.54 [0.18 - 1.26]	10 / 14.31 0.70 [0.33 - 1.28]
Test for trend : Chi2= 0.01 p=0.927						
Hodgkins disease (201)	1 / 1.20 0.83 [0.02 - 4.64]	1 / 0.65 1.53 [0.04 - 8.54]	0 / 0.57 0.00 [0.00 - 6.51]	0 / 0.45 0.00 [0.00 - 8.16]	3 / 1.41 2.12 [0.44 - 6.20]	5 / 4.29 1.17 [0.38 - 2.72]
Test for trend : Chi2= 0.56 p=0.456						
Multiple myeloma (203)	0 / 0.51 0.00 [0.00 - 7.28]	1 / 0.55 1.82 [0.05 - 10.1]	0 / 0.84 0.00 [0.00 - 4.39]	1 / 1.06 0.95 [0.02 - 5.28]	5 / 6.89 0.73 [0.24 - 1.69]	7 / 9.84 0.71 [0.29 - 1.47]
Test for trend : Chi2= 0.03 p=0.855						
Leukemia & aleukemia (204-208)	2 / 3.36 0.59 [0.07 - 2.15]	4 / 2.06 1.94 [0.53 - 4.97]	2 / 2.26 0.89 [0.11 - 3.20]	2 / 2.23 0.90 [0.11 - 3.24]	8 / 10.17 0.79 [0.34 - 1.55]	18 / 20.07 0.90 [0.53 - 1.42]
Test for trend : Chi2= 0.13 p=0.723						
MENTAL DISORDERS (290-319)	0 / 1.34 0.00 [0.00 - 2.76]	0 / 0.95 0.00 [0.00 - 3.89]	0 / 1.31 0.00 [0.00 - 2.83]	0 / 1.75 0.00 [0.00 - 2.11]	11 / 30.45 0.36 [0.18 - 0.65]	11 / 35.79 0.31 [0.15 - 0.55]
Test for trend : Chi2= 1.49 p=0.222						
DIS. OF CIRCULATORY SYSTEM (390-459)	36 / 47.90 0.75 [0.53 - 1.04]	23 / 47.62 0.48 [0.31 - 0.72]	55 / 70.66 0.78 [0.59 - 1.01]	77 / 88.36 0.87 [0.69 - 1.09]	700 / 727.80 0.96 [0.89 - 1.04]	891 / 982.33 0.91 [0.85 - 0.97]
Test for trend : Chi2= 11.07 p=0.001						
Ischaemic heart disease (410-414)	13 / 16.68 0.78 [0.41 - 1.33]	9 / 19.66 0.46 [0.21 - 0.87]	25 / 31.69 0.79 [0.51 - 1.16]	37 / 41.46 0.89 [0.63 - 1.23]	346 / 348.93 0.99 [0.89 - 1.10]	430 / 458.43 0.94 [0.85 - 1.03]
Test for trend : Chi2= 5.43 p=0.020						
DIS. OF RESPIRATORY SYSTEM (460-519)	3 / 7.96 0.38 [0.08 - 1.10]	3 / 6.61 0.45 [0.09 - 1.33]	14 / 9.52 1.47 [0.80 - 2.47]	12 / 11.89 1.01 [0.52 - 1.76]	90 / 102.76 0.88 [0.70 - 1.08]	122 / 138.74 0.88 [0.73 - 1.05]
Test for trend : Chi2= 0.82 p=0.366						
DIS. OF DIGESTIVE SYSTEM (520-579)	6 / 8.05 0.75 [0.27 - 1.62]	3 / 6.18 0.49 [0.10 - 1.42]	9 / 7.76 1.16 [0.53 - 2.20]	9 / 8.45 1.06 [0.49 - 2.02]	34 / 50.47 0.67 [0.47 - 0.94]	61 / 80.91 0.75 [0.58 - 0.97]
Test for trend : Chi2= 0.12 p=0.733						
Liver cirrhosis (571)	0 / 2.41 0.00 [0.00 - 1.53]	1 / 2.19 0.46 [0.01 - 2.54]	1 / 2.76 0.36 [0.01 - 2.02]	3 / 2.98 1.01 [0.21 - 2.94]	10 / 10.90 0.92 [0.44 - 1.69]	15 / 21.25 0.71 [0.40 - 1.16]
Test for trend : Chi2= 2.91 p=0.088						
EXTERNAL CAUSES (E800-999)	23 / 31.98 0.72 [0.46 - 1.08]	11 / 16.55 0.66 [0.33 - 1.19]	14 / 16.48 0.85 [0.46 - 1.43]	15 / 14.86 1.01 [0.56 - 1.66]	50 / 58.71 0.85 [0.63 - 1.12]	113 / 138.57 0.82 [0.67 - 0.98]
Test for trend : Chi2= 0.82 p=0.367						

Table 2.2.3
Mortality from selected causes by years since first employment

TOTAL COHORT Excluding Brazil,South Africa

years since first employment(years)	1-9	10-14	15-19	20-24	25+	Total
ALL CAUSES Test for trend : Chi2= 80.40 p=0.000	1460 / 2061.21 0.71 [0.67 - 0.75]	1431 / 1610.09 0.89 [0.84 - 0.94]	1890 / 2003.82 0.94 [0.90 - 0.99]	2044 / 2196.35 0.93 [0.89 - 0.97]	11488 / 12127.79 0.95 [0.93 - 0.96]	18313 / 19999.26 0.92 [0.90 - 0.93]
ALL MALIGNANT NEOPLASMS (140-208) Test for trend : Chi2= 10.08 p=0.001	330 / 438.74 0.75 [0.67 - 0.84]	376 / 391.96 0.96 [0.86 - 1.06]	461 / 507.28 0.91 [0.83 - 1.00]	529 / 561.10 0.94 [0.86 - 1.03]	2780 / 2917.23 0.95 [0.92 - 0.99]	4476 / 4816.30 0.93 [0.90 - 0.96]
Oral cavity & pharynx (140-149) Test for trend : Chi2= 0.67 p=0.414	6 / 9.88 0.61 [0.22 - 1.32]	10 / 9.59 1.04 [0.50 - 1.92]	12 / 12.91 0.93 [0.48 - 1.62]	12 / 14.53 0.83 [0.43 - 1.44]	40 / 61.66 0.65 [0.46 - 0.88]	80 / 108.57 0.74 [0.58 - 0.92]
Stomach (151) Test for trend : Chi2= 4.98 p=0.026	30 / 47.95 0.63 [0.42 - 0.89]	29 / 41.49 0.70 [0.47 - 1.00]	40 / 50.73 0.79 [0.56 - 1.07]	44 / 54.64 0.81 [0.59 - 1.08]	262 / 291.46 0.90 [0.79 - 1.01]	405 / 486.27 0.83 [0.75 - 0.92]
Liver (155) Test for trend : Chi2= 0.37 p=0.542	6 / 7.63 0.79 [0.29 - 1.71]	3 / 7.67 0.39 [0.08 - 1.14]	7 / 10.45 0.67 [0.27 - 1.38]	12 / 11.26 1.07 [0.55 - 1.86]	47 / 60.43 0.78 [0.57 - 1.03]	75 / 97.43 0.77 [0.61 - 0.96]
Larynx (161) Test for trend : Chi2= 0.21 p=0.644	5 / 5.80 0.86 [0.28 - 2.01]	4 / 5.86 0.68 [0.19 - 1.75]	8 / 7.91 1.01 [0.44 - 1.99]	9 / 8.61 1.05 [0.48 - 1.98]	33 / 34.00 0.97 [0.67 - 1.36]	59 / 62.19 0.95 [0.72 - 1.22]
Lung (162) Test for trend : Chi2= 2.61 p=0.106	75 / 92.73 0.81 [0.64 - 1.01]	95 / 93.23 1.02 [0.82 - 1.25]	121 / 124.89 0.97 [0.80 - 1.16]	150 / 139.00 1.08 [0.91 - 1.27]	711 / 690.69 1.03 [0.96 - 1.11]	1152 / 1140.53 1.01 [0.95 - 1.07]
Pleura (163) Test for trend : Chi2= 0.23 p=0.635	2 / 1.17 1.71 [0.21 - 6.16]	5 / 1.29 3.87 [1.26 - 9.03]	3 / 1.89 1.59 [0.33 - 4.63]	2 / 2.39 0.84 [0.10 - 3.02]	24 / 12.55 1.91 [1.23 - 2.85]	36 / 19.30 1.87 [1.31 - 2.58]
Soft tissue (171) Test for trend : Chi2= 0.67 p=0.413	7 / 3.07 2.28 [0.92 - 4.71]	1 / 2.00 0.50 [0.01 - 2.79]	3 / 2.22 1.35 [0.28 - 3.94]	1 / 2.33 0.43 [0.01 - 2.39]	13 / 10.11 1.29 [0.68 - 2.20]	25 / 19.73 1.27 [0.82 - 1.87]
Bladder (188) Test for trend : Chi2= 0.02 p=0.879	12 / 9.99 1.20 [0.62 - 2.10]	8 / 10.82 0.74 [0.32 - 1.46]	15 / 15.48 0.97 [0.54 - 1.60]	20 / 17.92 1.12 [0.68 - 1.72]	108 / 104.70 1.03 [0.85 - 1.25]	163 / 158.91 1.03 [0.87 - 1.20]
Lymphatic & hematopoietic tissue (200-208) Test for trend : Chi2= 0.90 p=0.342	38 / 52.34 0.73 [0.51 - 1.00]	36 / 35.82 1.00 [0.70 - 1.39]	37 / 41.69 0.89 [0.62 - 1.22]	45 / 43.73 1.03 [0.75 - 1.38]	202 / 218.11 0.93 [0.80 - 1.06]	358 / 391.70 0.91 [0.82 - 1.01]
Non-Hodgkins lymphoma (200,202) Test for trend : Chi2= 0.56 p=0.455	10 / 12.43 0.80 [0.39 - 1.48]	10 / 9.46 1.06 [0.51 - 1.94]	17 / 11.79 1.44 [0.84 - 2.31]	17 / 13.11 1.30 [0.76 - 2.08]	56 / 68.09 0.82 [0.62 - 1.07]	110 / 114.88 0.96 [0.79 - 1.15]
Hodgkins disease (201) Test for trend : Chi2= 1.35 p=0.245	9 / 10.01 0.90 [0.41 - 1.71]	4 / 5.28 0.76 [0.21 - 1.94]	4 / 4.83 0.83 [0.23 - 2.12]	2 / 4.12 0.49 [0.06 - 1.75]	18 / 12.78 1.41 [0.83 - 2.23]	37 / 37.02 1.00 [0.70 - 1.38]
Multiple myeloma (203) Test for trend : Chi2= 0.37 p=0.542	4 / 5.12 0.78 [0.21 - 2.00]	6 / 5.07 1.18 [0.43 - 2.57]	4 / 7.03 0.57 [0.16 - 1.46]	4 / 8.37 0.48 [0.13 - 1.22]	52 / 52.13 1.00 [0.74 - 1.31]	70 / 77.73 0.90 [0.70 - 1.14]
Leukemia & aleukemia (204-208) Test for trend : Chi2= 0.89 p=0.345	15 / 23.60 0.64 [0.36 - 1.05]	16 / 15.26 1.05 [0.60 - 1.70]	12 / 17.33 0.69 [0.36 - 1.21]	22 / 17.72 1.24 [0.78 - 1.88]	76 / 84.77 0.90 [0.71 - 1.12]	141 / 158.68 0.89 [0.75 - 1.05]
MENTAL DISORDERS (290-319) Test for trend : Chi2= 0.00 p=0.955	10 / 20.26 0.49 [0.24 - 0.91]	15 / 15.95 0.94 [0.53 - 1.55]	10 / 19.81 0.50 [0.24 - 0.93]	31 / 22.61 1.37 [0.93 - 1.95]	91 / 140.45 0.65 [0.52 - 0.80]	157 / 219.07 0.72 [0.61 - 0.84]
DIS. OF CIRCULATORY SYSTEM (390-459) Test for trend : Chi2= 36.95 p=0.000	448 / 626.49 0.72 [0.65 - 0.78]	536 / 614.20 0.87 [0.80 - 0.95]	806 / 837.19 0.96 [0.90 - 1.03]	872 / 973.11 0.90 [0.84 - 0.96]	5912 / 6045.10 0.98 [0.95 - 1.00]	8574 / 9096.10 0.94 [0.92 - 0.96]
Ischaemic heart disease (410-414) Test for trend : Chi2= 22.23 p=0.000	286 / 396.28 0.72 [0.64 - 0.81]	353 / 394.82 0.89 [0.80 - 0.99]	495 / 535.02 0.93 [0.85 - 1.01]	551 / 617.42 0.89 [0.82 - 0.97]	3578 / 3668.45 0.98 [0.94 - 1.01]	5263 / 5611.99 0.94 [0.91 - 0.96]
DIS. OF RESPIRATORY SYSTEM (460-519) Test for trend : Chi2= 2.91 p=0.088	40 / 76.42 0.52 [0.37 - 0.71]	53 / 72.64 0.73 [0.55 - 0.95]	94 / 103.73 0.91 [0.73 - 1.11]	118 / 128.85 0.92 [0.76 - 1.10]	768 / 953.63 0.81 [0.75 - 0.86]	1073 / 1335.27 0.80 [0.76 - 0.85]
DIS. OF DIGESTIVE SYSTEM (520-579) Test for trend : Chi2= 1.15 p=0.283	52 / 78.82 0.66 [0.49 - 0.87]	58 / 64.89 0.89 [0.68 - 1.16]	77 / 80.07 0.96 [0.76 - 1.20]	77 / 86.22 0.89 [0.70 - 1.12]	351 / 404.58 0.87 [0.78 - 0.96]	615 / 714.59 0.86 [0.79 - 0.93]
Liver cirrhosis (571) Test for trend : Chi2= 2.41 p=0.121	19 / 31.59 0.60 [0.36 - 0.94]	28 / 29.17 0.96 [0.64 - 1.39]	36 / 36.28 0.99 [0.69 - 1.37]	35 / 39.47 0.89 [0.62 - 1.23]	129 / 129.89 0.99 [0.83 - 1.18]	247 / 266.40 0.93 [0.82 - 1.05]
EXTERNAL CAUSES (E800-999) Test for trend : Chi2= 4.05 p=0.044	428 / 562.77 0.76 [0.69 - 0.84]	235 / 271.98 0.86 [0.76 - 0.98]	233 / 249.89 0.93 [0.82 - 1.06]	213 / 214.13 0.99 [0.87 - 1.14]	541 / 632.14 0.86 [0.79 - 0.93]	1650 / 1930.91 0.85 [0.81 - 0.90]

Table 2.2.4
Mortality from selected causes by years since first employment

TOTAL COHORT Excluding Brazil,South Africa
Men

years since first employment(years)	1-9	10-14	15-19	20-24	25+	Total
ALL CAUSES Test for trend : Chi2= 60.37 p=0.000	1338 / 1866.84 0.72 [0.68 - 0.76]	1325 / 1457.01 0.91 [0.86 - 0.96]	1719 / 1804.88 0.95 [0.91 - 1.00]	1835 / 1972.51 0.93 [0.89 - 0.97]	10097 / 10667.11 0.95 [0.93 - 0.97]	16314 / 17768.36 0.92 [0.90 - 0.93]
ALL MALIGNANT NEOPLASMS (140-208) Test for trend : Chi2= 6.06 p=0.014	287 / 372.56 0.77 [0.68 - 0.86]	323 / 336.27 0.96 [0.86 - 1.07]	393 / 436.87 0.90 [0.81 - 0.99]	457 / 486.21 0.94 [0.86 - 1.03]	2419 / 2564.18 0.94 [0.91 - 0.98]	3879 / 4196.10 0.92 [0.90 - 0.95]
Oral cavity & pharynx (140-149) Test for trend : Chi2= 0.24 p=0.627	5 / 9.29 0.54 [0.17 - 1.26]	10 / 9.08 1.10 [0.53 - 2.03]	10 / 12.24 0.82 [0.39 - 1.50]	12 / 13.80 0.87 [0.45 - 1.52]	39 / 57.98 0.67 [0.48 - 0.92]	76 / 102.39 0.74 [0.58 - 0.93]
Stomach (151) Test for trend : Chi2= 3.29 p=0.070	28 / 43.33 0.65 [0.43 - 0.93]	26 / 37.56 0.69 [0.45 - 1.01]	38 / 45.84 0.83 [0.59 - 1.14]	41 / 49.36 0.83 [0.60 - 1.13]	232 / 262.79 0.88 [0.77 - 1.00]	365 / 438.87 0.83 [0.75 - 0.92]
Liver (155) Test for trend : Chi2= 0.00 p=0.992	6 / 6.70 0.90 [0.33 - 1.95]	2 / 6.65 0.30 [0.04 - 1.09]	7 / 9.12 0.77 [0.31 - 1.58]	12 / 10.03 1.20 [0.62 - 2.09]	37 / 53.42 0.69 [0.49 - 0.95]	64 / 85.93 0.74 [0.57 - 0.95]
Larynx (161) Test for trend : Chi2= 0.13 p=0.718	5 / 5.69 0.88 [0.29 - 2.05]	4 / 5.74 0.70 [0.19 - 1.78]	8 / 7.76 1.03 [0.45 - 2.03]	9 / 8.46 1.06 [0.49 - 2.02]	32 / 33.38 0.96 [0.66 - 1.35]	58 / 61.03 0.95 [0.72 - 1.23]
Lung (162) Test for trend : Chi2= 1.25 p=0.264	72 / 88.33 0.82 [0.64 - 1.03]	93 / 88.69 1.05 [0.85 - 1.28]	115 / 118.50 0.97 [0.80 - 1.16]	137 / 131.81 1.04 [0.87 - 1.23]	663 / 658.64 1.01 [0.93 - 1.09]	1080 / 1085.96 0.99 [0.94 - 1.06]
Pleura (163) Test for trend : Chi2= 0.79 p=0.373	2 / 1.12 1.79 [0.22 - 6.47]	5 / 1.23 4.06 [1.32 - 9.48]	3 / 1.80 1.67 [0.34 - 4.88]	1 / 2.27 0.44 [0.01 - 2.46]	20 / 11.78 1.70 [1.04 - 2.62]	31 / 18.19 1.70 [1.16 - 2.42]
Soft tissue (171) Test for trend : Chi2= 0.57 p=0.448	5 / 2.67 1.87 [0.61 - 4.37]	1 / 1.74 0.57 [0.01 - 3.20]	2 / 1.92 1.04 [0.13 - 3.76]	1 / 1.99 0.50 [0.01 - 2.79]	9 / 8.66 1.04 [0.48 - 1.97]	18 / 16.98 1.06 [0.63 - 1.67]
Bladder (188) Test for trend : Chi2= 0.43 p=0.511	11 / 9.51 1.16 [0.58 - 2.07]	6 / 10.30 0.58 [0.21 - 1.27]	14 / 14.70 0.95 [0.52 - 1.60]	18 / 16.98 1.06 [0.63 - 1.68]	105 / 98.82 1.06 [0.87 - 1.29]	154 / 150.30 1.02 [0.87 - 1.20]
Lymphatic & hematopoietic tissue (200-208) Test for trend : Chi2= 1.06 p=0.303	34 / 45.84 0.74 [0.51 - 1.04]	30 / 31.49 0.95 [0.64 - 1.36]	35 / 36.61 0.96 [0.67 - 1.33]	38 / 38.39 0.99 [0.70 - 1.36]	181 / 190.43 0.95 [0.82 - 1.10]	318 / 342.77 0.93 [0.83 - 1.04]
Non-Hodgkins lymphoma (200,202) Test for trend : Chi2= 0.57 p=0.449	9 / 11.20 0.80 [0.37 - 1.53]	10 / 8.49 1.18 [0.56 - 2.17]	17 / 10.48 1.62 [0.94 - 2.60]	13 / 11.55 1.13 [0.60 - 1.92]	51 / 58.84 0.87 [0.65 - 1.14]	100 / 100.57 0.99 [0.81 - 1.21]
Hodgkins disease (201) Test for trend : Chi2= 0.92 p=0.337	8 / 8.81 0.91 [0.39 - 1.79]	3 / 4.63 0.65 [0.13 - 1.89]	4 / 4.27 0.94 [0.26 - 2.40]	2 / 3.66 0.55 [0.07 - 1.97]	15 / 11.37 1.32 [0.74 - 2.18]	32 / 32.73 0.98 [0.67 - 1.38]
Multiple myeloma (203) Test for trend : Chi2= 0.36 p=0.547	4 / 4.62 0.87 [0.24 - 2.22]	5 / 4.52 1.11 [0.36 - 2.58]	4 / 6.19 0.65 [0.18 - 1.65]	3 / 7.32 0.41 [0.08 - 1.20]	47 / 45.24 1.04 [0.76 - 1.38]	63 / 67.89 0.93 [0.71 - 1.19]
Leukemia & aleukemia (204-208) Test for trend : Chi2= 1.36 p=0.243	13 / 20.29 0.64 [0.34 - 1.10]	12 / 13.22 0.91 [0.47 - 1.59]	10 / 15.08 0.66 [0.32 - 1.22]	20 / 15.50 1.29 [0.79 - 1.99]	68 / 74.61 0.91 [0.71 - 1.16]	123 / 138.70 0.89 [0.74 - 1.06]
MENTAL DISORDERS (290-319) Test for trend : Chi2= 0.14 p=0.708	10 / 18.95 0.53 [0.25 - 0.97]	15 / 15.01 1.00 [0.56 - 1.65]	10 / 18.51 0.54 [0.26 - 0.99]	31 / 20.86 1.49 [1.01 - 2.11]	80 / 110.00 0.73 [0.58 - 0.91]	146 / 183.34 0.80 [0.67 - 0.94]
DIS. OF CIRCULATORY SYSTEM (390-459) Test for trend : Chi2= 30.19 p=0.000	412 / 580.28 0.71 [0.64 - 0.78]	513 / 567.68 0.90 [0.83 - 0.99]	751 / 767.35 0.98 [0.91 - 1.05]	795 / 885.17 0.90 [0.84 - 0.96]	5212 / 5317.31 0.98 [0.95 - 1.01]	7683 / 8117.80 0.95 [0.93 - 0.97]
Ischaemic heart disease (410-414) Test for trend : Chi2= 18.63 p=0.000	273 / 379.89 0.72 [0.64 - 0.81]	344 / 375.39 0.92 [0.82 - 1.02]	470 / 503.51 0.93 [0.85 - 1.02]	514 / 576.07 0.89 [0.82 - 0.97]	3232 / 3319.52 0.97 [0.94 - 1.01]	4833 / 5154.37 0.94 [0.91 - 0.96]
DIS. OF RESPIRATORY SYSTEM (460-519) Test for trend : Chi2= 2.17 p=0.140	37 / 68.83 0.54 [0.38 - 0.74]	50 / 66.23 0.75 [0.56 - 1.00]	81 / 94.34 0.86 [0.68 - 1.07]	106 / 117.02 0.91 [0.74 - 1.10]	678 / 850.87 0.80 [0.74 - 0.86]	952 / 1197.28 0.80 [0.75 - 0.85]
DIS. OF DIGESTIVE SYSTEM (520-579) Test for trend : Chi2= 1.57 p=0.210	46 / 71.11 0.65 [0.47 - 0.86]	55 / 58.89 0.93 [0.70 - 1.22]	70 / 72.43 0.97 [0.75 - 1.22]	68 / 77.82 0.87 [0.68 - 1.11]	317 / 354.10 0.90 [0.80 - 1.00]	556 / 634.35 0.88 [0.81 - 0.95]
Liver cirrhosis (571) Test for trend : Chi2= 1.36 p=0.243	19 / 29.30 0.65 [0.39 - 1.01]	27 / 27.04 1.00 [0.66 - 1.45]	36 / 33.57 1.07 [0.75 - 1.48]	32 / 36.50 0.88 [0.60 - 1.24]	119 / 118.99 1.00 [0.83 - 1.20]	233 / 245.40 0.95 [0.83 - 1.08]
EXTERNAL CAUSES (E800-999) Test for trend : Chi2= 3.37 p=0.066	407 / 531.68 0.77 [0.69 - 0.84]	224 / 255.73 0.88 [0.76 - 1.00]	219 / 233.57 0.94 [0.82 - 1.07]	198 / 199.33 0.99 [0.86 - 1.14]	491 / 573.44 0.86 [0.78 - 0.94]	1539 / 1793.74 0.86 [0.82 - 0.90]

Table 2.2.4
Mortality from selected causes by years since first employment

TOTAL COHORT Excluding Brazil,South Africa
Women

years since first employment(years)	1-9	10-14	15-19	20-24	25+	Total
ALL CAUSES	122 / 194.37 0.63 [0.52 - 0.75]	106 / 153.08 0.69 [0.57 - 0.84]	171 / 198.94 0.86 [0.74 - 1.00]	209 / 223.83 0.93 [0.81 - 1.07]	1391 / 1460.67 0.95 [0.90 - 1.00]	1999 / 2230.89 0.90 [0.86 - 0.94]
Test for trend : Chi2= 26.78 p=0.000						
ALL MALIGNANT NEOPLASMS (140-208)	43 / 66.18 0.65 [0.47 - 0.88]	53 / 55.69 0.95 [0.71 - 1.24]	68 / 70.40 0.97 [0.75 - 1.22]	72 / 74.89 0.96 [0.75 - 1.21]	361 / 353.04 1.02 [0.92 - 1.13]	597 / 620.21 0.96 [0.89 - 1.04]
Test for trend : Chi2= 5.95 p=0.015						
Oral cavity & pharynx (140-149)	1 / 0.58 1.72 [0.04 - 9.56]	0 / 0.51 0.00 [0.00 - 7.19]	2 / 0.67 2.99 [0.36 - 10.8]	0 / 0.73 0.00 [0.00 - 5.06]	1 / 3.68 0.27 [0.01 - 1.51]	4 / 6.18 0.65 [0.18 - 1.66]
Test for trend : Chi2= 2.29 p=0.130						
Stomach (151)	2 / 4.62 0.43 [0.05 - 1.57]	3 / 3.93 0.76 [0.16 - 2.23]	2 / 4.89 0.41 [0.05 - 1.48]	3 / 5.28 0.57 [0.12 - 1.66]	30 / 28.68 1.05 [0.71 - 1.49]	40 / 47.40 0.84 [0.60 - 1.15]
Test for trend : Chi2= 2.65 p=0.103						
Liver (155)	0 / 0.93 0.00 [0.00 - 3.97]	1 / 1.01 0.99 [0.02 - 5.51]	0 / 1.33 0.00 [0.00 - 2.78]	0 / 1.23 0.00 [0.00 - 3.01]	10 / 7.01 1.43 [0.68 - 2.62]	11 / 11.50 0.96 [0.48 - 1.71]
Test for trend : Chi2= 2.60 p=0.107						
Larynx (161)	0 / 0.12 0.00 [0.00 - 31.9]	0 / 0.12 0.00 [0.00 - 31.7]	0 / 0.16 0.00 [0.00 - 23.8]	0 / 0.15 0.00 [0.00 - 24.5]	1 / 0.62 1.62 [0.04 - 9.01]	1 / 1.16 0.86 [0.02 - 4.82]
Test for trend : Chi2= 0.62 p=0.432						
Lung (162)	3 / 4.40 0.68 [0.14 - 1.99]	2 / 4.54 0.44 [0.05 - 1.59]	6 / 6.39 0.94 [0.34 - 2.04]	13 / 7.19 1.81 [0.96 - 3.09]	48 / 32.06 1.50 [1.10 - 1.99]	72 / 54.58 1.32 [1.03 - 1.66]
Test for trend : Chi2= 4.75 p=0.029						
Pleura (163)	0 / 0.06 0.00 [0.00 - 66.4]	0 / 0.06 0.00 [0.00 - 59.8]	0 / 0.10 0.00 [0.00 - 38.3]	1 / 0.12 8.21 [0.21 - 45.8]	4 / 0.77 5.20 [1.42 - 13.3]	5 / 1.10 4.53 [1.47 - 10.6]
Test for trend : Chi2= 0.77 p=0.381						
Soft tissue (171)	2 / 0.39 5.07 [0.61 - 18.3]	0 / 0.25 0.00 [0.00 - 14.6]	1 / 0.30 3.30 [0.08 - 18.4]	0 / 0.34 0.00 [0.00 - 10.9]	4 / 1.46 2.74 [0.75 - 7.03]	7 / 2.75 2.55 [1.03 - 5.25]
Test for trend : Chi2= 0.17 p=0.680						
Bladder (188)	1 / 0.48 2.09 [0.05 - 11.6]	2 / 0.53 3.80 [0.46 - 13.7]	1 / 0.78 1.28 [0.03 - 7.14]	2 / 0.94 2.12 [0.26 - 7.66]	3 / 5.88 0.51 [0.11 - 1.49]	9 / 8.61 1.05 [0.48 - 1.98]
Test for trend : Chi2= 4.65 p=0.031						
Lymphatic & hematopoietic tissue (200-208)	4 / 6.50 0.62 [0.17 - 1.58]	6 / 4.34 1.38 [0.51 - 3.01]	2 / 5.07 0.39 [0.05 - 1.42]	7 / 5.34 1.31 [0.53 - 2.70]	21 / 27.68 0.76 [0.47 - 1.16]	40 / 48.93 0.82 [0.58 - 1.11]
Test for trend : Chi2= 0.00 p=0.962						
Non-Hodgkins lymphoma (200,202)	1 / 1.23 0.81 [0.02 - 4.54]	0 / 0.97 0.00 [0.00 - 3.80]	0 / 1.31 0.00 [0.00 - 2.83]	4 / 1.56 2.56 [0.70 - 6.56]	5 / 9.25 0.54 [0.18 - 1.26]	10 / 14.31 0.70 [0.33 - 1.28]
Test for trend : Chi2= 0.01 p=0.927						
Hodgkins disease (201)	1 / 1.20 0.83 [0.02 - 4.64]	1 / 0.65 1.53 [0.04 - 8.54]	0 / 0.57 0.00 [0.00 - 6.51]	0 / 0.45 0.00 [0.00 - 8.16]	3 / 1.41 2.12 [0.44 - 6.20]	5 / 4.29 1.17 [0.38 - 2.72]
Test for trend : Chi2= 0.56 p=0.456						
Multiple myeloma (203)	0 / 0.51 0.00 [0.00 - 7.28]	1 / 0.55 1.82 [0.05 - 10.1]	0 / 0.84 0.00 [0.00 - 4.39]	1 / 1.06 0.95 [0.02 - 5.28]	5 / 6.89 0.73 [0.24 - 1.69]	7 / 9.84 0.71 [0.29 - 1.47]
Test for trend : Chi2= 0.03 p=0.855						
Leukemia & aleukemia (204-208)	2 / 3.31 0.60 [0.07 - 2.18]	4 / 2.04 1.96 [0.54 - 5.03]	2 / 2.24 0.89 [0.11 - 3.22]	2 / 2.22 0.90 [0.11 - 3.25]	8 / 10.17 0.79 [0.34 - 1.55]	18 / 19.98 0.90 [0.53 - 1.42]
Test for trend : Chi2= 0.15 p=0.703						
MENTAL DISORDERS (290-319)	0 / 1.31 0.00 [0.00 - 2.82]	0 / 0.93 0.00 [0.00 - 3.95]	0 / 1.30 0.00 [0.00 - 2.85]	0 / 1.75 0.00 [0.00 - 2.11]	11 / 30.45 0.36 [0.18 - 0.65]	11 / 35.73 0.31 [0.15 - 0.55]
Test for trend : Chi2= 1.47 p=0.225						
DIS. OF CIRCULATORY SYSTEM (390-459)	36 / 46.21 0.78 [0.55 - 1.08]	23 / 46.51 0.49 [0.31 - 0.74]	55 / 69.84 0.79 [0.59 - 1.03]	77 / 87.94 0.88 [0.69 - 1.09]	700 / 727.79 0.96 [0.89 - 1.04]	891 / 978.30 0.91 [0.85 - 0.97]
Test for trend : Chi2= 9.55 p=0.002						
Ischaemic heart disease (410-414)	13 / 16.39 0.79 [0.42 - 1.36]	9 / 19.43 0.46 [0.21 - 0.88]	25 / 31.51 0.79 [0.51 - 1.17]	37 / 41.35 0.89 [0.63 - 1.23]	346 / 348.93 0.99 [0.89 - 1.10]	430 / 457.61 0.94 [0.85 - 1.03]
Test for trend : Chi2= 5.09 p=0.024						
DIS. OF RESPIRATORY SYSTEM (460-519)	3 / 7.59 0.40 [0.08 - 1.15]	3 / 6.42 0.47 [0.10 - 1.37]	13 / 9.39 1.38 [0.74 - 2.37]	12 / 11.83 1.01 [0.52 - 1.77]	90 / 102.76 0.88 [0.70 - 1.08]	121 / 137.99 0.88 [0.73 - 1.05]
Test for trend : Chi2= 0.81 p=0.369						
DIS. OF DIGESTIVE SYSTEM (520-579)	6 / 7.72 0.78 [0.29 - 1.69]	3 / 6.00 0.50 [0.10 - 1.46]	7 / 7.64 0.92 [0.37 - 1.89]	9 / 8.40 1.07 [0.49 - 2.03]	34 / 50.47 0.67 [0.47 - 0.94]	59 / 80.23 0.74 [0.56 - 0.95]
Test for trend : Chi2= 0.06 p=0.802						
Liver cirrhosis (571)	0 / 2.29 0.00 [0.00 - 1.61]	1 / 2.13 0.47 [0.01 - 2.62]	0 / 2.72 0.00 [0.00 - 1.36]	3 / 2.96 1.01 [0.21 - 2.96]	10 / 10.90 0.92 [0.44 - 1.69]	14 / 20.99 0.67 [0.36 - 1.12]
Test for trend : Chi2= 3.51 p=0.061						
EXTERNAL CAUSES (E800-999)	21 / 31.10 0.68 [0.42 - 1.03]	11 / 16.25 0.68 [0.34 - 1.21]	14 / 16.32 0.86 [0.47 - 1.44]	15 / 14.80 1.01 [0.57 - 1.67]	50 / 58.71 0.85 [0.63 - 1.12]	111 / 137.17 0.81 [0.67 - 0.97]
Test for trend : Chi2= 1.14 p=0.285						

Table 2.3.1
Mortality from selected causes by duration of employment

TOTAL COHORT

duration of employment(years)	1-4	5-9	10-14	15-19	20-24	25-29	> 30	Total
ALL CAUSES Test for trend : Chi2= 5.50 p=0.019	3541 / 3683.43 0.96 [0.93 - 0.99]	2586 / 2758.21 0.94 [0.90 - 0.97]	2068 / 2261.97 0.91 [0.88 - 0.95]	1954 / 2290.24 0.85 [0.82 - 0.89]	1761 / 2039.89 0.86 [0.82 - 0.90]	1636 / 1825.42 0.90 [0.85 - 0.94]	4976 / 5408.26 0.92 [0.89 - 0.95]	18522 / 20267.43 0.91 [0.90 - 0.93]
ALL MALIGNANT NEOPLASMS (140-208) Test for trend : Chi2= 8.65 p=0.003	851 / 852.29 1.00 [0.93 - 1.07]	632 / 652.60 0.97 [0.89 - 1.05]	533 / 544.91 0.98 [0.90 - 1.06]	487 / 540.17 0.90 [0.82 - 0.99]	435 / 487.71 0.89 [0.81 - 0.98]	382 / 452.64 0.84 [0.76 - 0.93]	1186 / 1310.19 0.91 [0.85 - 0.96]	4506 / 4840.50 0.93 [0.90 - 0.96]
Oral cavity & pharynx (140-149) Test for trend : Chi2= 0.99 p=0.321	15 / 18.07 0.83 [0.46 - 1.37]	13 / 13.86 0.94 [0.50 - 1.60]	11 / 12.30 0.89 [0.45 - 1.60]	10 / 12.54 0.80 [0.38 - 1.47]	4 / 12.18 0.33 [0.09 - 0.84]	4 / 11.61 0.34 [0.09 - 0.88]	24 / 29.55 0.81 [0.52 - 1.21]	81 / 110.11 0.74 [0.58 - 0.91]
Stomach (151) Test for trend : Chi2= 2.81 p=0.094	56 / 74.08 0.76 [0.57 - 0.98]	42 / 62.14 0.68 [0.49 - 0.91]	42 / 54.43 0.77 [0.56 - 1.04]	47 / 57.95 0.81 [0.60 - 1.08]	53 / 51.95 1.02 [0.76 - 1.33]	38 / 48.47 0.78 [0.55 - 1.08]	127 / 140.88 0.90 [0.75 - 1.07]	405 / 489.90 0.83 [0.75 - 0.91]
Liver (155) Test for trend : Chi2= 0.09 p=0.767	11 / 15.86 0.69 [0.35 - 1.24]	6 / 12.62 0.48 [0.17 - 1.04]	12 / 10.75 1.12 [0.58 - 1.95]	12 / 10.89 1.10 [0.57 - 1.92]	9 / 10.16 0.89 [0.41 - 1.68]	6 / 10.51 0.57 [0.21 - 1.24]	19 / 29.38 0.65 [0.39 - 1.01]	75 / 100.16 0.75 [0.59 - 0.94]
Larynx (161) Test for trend : Chi2= 2.72 p=0.099	14 / 9.67 1.45 [0.79 - 2.43]	7 / 7.86 0.89 [0.36 - 1.83]	9 / 7.15 1.26 [0.58 - 2.39]	7 / 7.38 0.95 [0.38 - 1.96]	5 / 7.27 0.69 [0.22 - 1.61]	6 / 6.86 0.87 [0.32 - 1.90]	13 / 16.99 0.77 [0.41 - 1.31]	61 / 63.19 0.97 [0.74 - 1.24]
Lung (162) Test for trend : Chi2= 13.88 p=0.000	228 / 192.95 1.18 [1.03 - 1.35]	164 / 147.47 1.11 [0.95 - 1.30]	137 / 128.03 1.07 [0.90 - 1.26]	124 / 125.42 0.99 [0.82 - 1.18]	129 / 116.93 1.10 [0.92 - 1.31]	106 / 110.44 0.96 [0.79 - 1.16]	277 / 322.89 0.86 [0.76 - 0.97]	1165 / 1144.12 1.02 [0.96 - 1.08]
Pleura (163) Test for trend : Chi2= 0.73 p=0.394	5 / 3.58 1.40 [0.45 - 3.26]	6 / 2.59 2.31 [0.85 - 5.03]	4 / 2.14 1.87 [0.51 - 4.78]	1 / 2.06 0.49 [0.01 - 2.71]	5 / 1.95 2.56 [0.83 - 5.98]	2 / 1.91 1.04 [0.13 - 3.77]	13 / 5.06 2.57 [1.37 - 4.40]	36 / 19.30 1.87 [1.31 - 2.58]
Soft tissue (171) Test for trend : Chi2= 0.46 p=0.496	6 / 4.40 1.36 [0.50 - 2.97]	6 / 2.98 2.02 [0.74 - 4.39]	4 / 2.31 1.73 [0.47 - 4.43]	1 / 2.19 0.46 [0.01 - 2.54]	0 / 1.91 0.00 [0.00 - 1.94]	2 / 1.68 1.19 [0.14 - 4.30]	6 / 4.26 1.41 [0.52 - 3.06]	25 / 19.73 1.27 [0.82 - 1.87]
Bladder (188) Test for trend : Chi2= 0.04 p=0.842	32 / 25.13 1.27 [0.87 - 1.80]	16 / 20.29 0.79 [0.45 - 1.28]	19 / 17.36 1.09 [0.66 - 1.71]	15 / 17.59 0.85 [0.48 - 1.41]	13 / 15.97 0.81 [0.43 - 1.39]	18 / 14.89 1.21 [0.72 - 1.91]	50 / 48.00 1.04 [0.77 - 1.37]	163 / 159.24 1.02 [0.87 - 1.19]
Lymphatic & hematopoietic tissue (200-208) Test for trend : Chi2= 0.04 p=0.841	78 / 81.15 0.96 [0.76 - 1.20]	64 / 57.31 1.12 [0.86 - 1.43]	29 / 45.45 0.64 [0.43 - 0.92]	37 / 43.32 0.85 [0.60 - 1.18]	30 / 37.69 0.80 [0.54 - 1.14]	31 / 33.80 0.92 [0.62 - 1.30]	93 / 95.31 0.98 [0.79 - 1.20]	362 / 394.03 0.92 [0.83 - 1.02]
Non-Hodgkins lymphoma (200,202) Test for trend : Chi2= 0.40 p=0.528	25 / 22.41 1.12 [0.72 - 1.65]	16 / 16.05 1.00 [0.57 - 1.62]	9 / 13.09 0.69 [0.31 - 1.31]	16 / 12.71 1.26 [0.72 - 2.04]	9 / 11.37 0.79 [0.36 - 1.50]	10 / 10.43 0.96 [0.46 - 1.76]	26 / 28.82 0.90 [0.59 - 1.32]	111 / 114.88 0.97 [0.79 - 1.16]
Hodgkins disease (201) Test for trend : Chi2= 1.57 p=0.210	6 / 10.28 0.58 [0.21 - 1.27]	10 / 6.61 1.51 [0.73 - 2.78]	3 / 4.77 0.63 [0.13 - 1.84]	3 / 4.01 0.75 [0.15 - 2.18]	3 / 3.13 0.96 [0.20 - 2.80]	5 / 2.48 2.02 [0.65 - 4.70]	7 / 5.74 1.22 [0.49 - 2.51]	37 / 37.02 1.00 [0.70 - 1.38]
Multiple myeloma (203) Test for trend : Chi2= 0.04 p=0.850	16 / 12.30 1.30 [0.74 - 2.11]	8 / 9.84 0.81 [0.35 - 1.60]	6 / 8.54 0.70 [0.26 - 1.53]	5 / 8.85 0.56 [0.18 - 1.32]	6 / 8.07 0.74 [0.27 - 1.62]	6 / 7.53 0.80 [0.29 - 1.73]	24 / 22.60 1.06 [0.68 - 1.58]	71 / 77.73 0.91 [0.71 - 1.15]
Leukemia & aleukemia (204-208) Test for trend : Chi2= 0.20 p=0.651	31 / 34.20 0.91 [0.62 - 1.29]	30 / 23.67 1.27 [0.86 - 1.81]	11 / 18.39 0.60 [0.30 - 1.07]	13 / 17.38 0.75 [0.40 - 1.28]	12 / 14.98 0.80 [0.41 - 1.40]	10 / 13.34 0.75 [0.36 - 1.38]	36 / 37.86 0.95 [0.67 - 1.32]	143 / 159.83 0.89 [0.75 - 1.05]
MENTAL DISORDERS (290-319) Test for trend : Chi2= 14.03 p=0.000	50 / 43.77 1.14 [0.85 - 1.51]	23 / 30.90 0.74 [0.47 - 1.12]	17 / 24.77 0.69 [0.40 - 1.10]	17 / 27.06 0.63 [0.37 - 1.01]	16 / 25.10 0.64 [0.36 - 1.04]	11 / 20.20 0.54 [0.27 - 0.97]	23 / 50.06 0.46 [0.29 - 0.69]	157 / 221.87 0.71 [0.60 - 0.83]
DIS. OF CIRCULATORY SYSTEM (390-459) Test for trend : Chi2= 1.76 p=0.185	1305 / 1394.75 0.94 [0.89 - 0.99]	1092 / 1143.41 0.96 [0.90 - 1.01]	927 / 991.44 0.94 [0.88 - 1.00]	909 / 1062.91 0.86 [0.80 - 0.91]	866 / 966.91 0.90 [0.84 - 0.96]	842 / 870.30 0.97 [0.90 - 1.04]	2661 / 2732.41 0.97 [0.94 - 1.01]	8602 / 9162.13 0.94 [0.92 - 0.96]
Ischaemic heart disease (410-414) Test for trend : Chi2= 0.00 p=0.949	826 / 865.35 0.95 [0.89 - 1.02]	677 / 694.09 0.98 [0.90 - 1.05]	580 / 612.22 0.95 [0.87 - 1.03]	537 / 640.84 0.84 [0.77 - 0.91]	519 / 589.79 0.88 [0.81 - 0.96]	508 / 537.35 0.95 [0.86 - 1.03]	1626 / 1693.59 0.96 [0.91 - 1.01]	5273 / 5633.24 0.94 [0.91 - 0.96]
DIS. OF RESPIRATORY SYSTEM (460-519) Test for trend : Chi2= 19.58 p=0.000	221 / 196.66 1.12 [0.98 - 1.28]	128 / 162.57 0.79 [0.66 - 0.94]	118 / 141.71 0.83 [0.69 - 1.00]	111 / 158.96 0.70 [0.57 - 0.84]	111 / 145.03 0.77 [0.63 - 0.92]	105 / 127.51 0.82 [0.67 - 1.00]	289 / 416.38 0.69 [0.62 - 0.78]	1083 / 1348.82 0.80 [0.76 - 0.85]
DIS. OF DIGESTIVE SYSTEM (520-579) Test for trend : Chi2= 2.92 p=0.087	134 / 139.13 0.96 [0.81 - 1.14]	99 / 102.85 0.96 [0.78 - 1.17]	79 / 83.30 0.95 [0.75 - 1.18]	58 / 82.78 0.70 [0.53 - 0.91]	50 / 74.66 0.67 [0.50 - 0.88]	54 / 68.38 0.79 [0.59 - 1.03]	156 / 181.96 0.86 [0.73 - 1.00]	630 / 733.07 0.86 [0.79 - 0.93]
Liver cirrhosis (571) Test for trend : Chi2= 0.23 p=0.628	65 / 61.03 1.07 [0.82 - 1.36]	40 / 41.85 0.96 [0.68 - 1.30]	34 / 32.43 1.05 [0.73 - 1.47]	15 / 30.17 0.50 [0.28 - 0.82]	16 / 28.30 0.57 [0.32 - 0.92]	27 / 26.84 1.01 [0.66 - 1.46]	59 / 56.31 1.05 [0.80 - 1.35]	256 / 276.93 0.92 [0.81 - 1.04]
EXTERNAL CAUSES (E800-999) Test for trend : Chi2= 6.62 p=0.010	600 / 641.39 0.94 [0.86 - 1.01]	320 / 372.00 0.86 [0.77 - 0.96]	183 / 248.49 0.74 [0.63 - 0.85]	158 / 199.52 0.79 [0.67 - 0.93]	118 / 156.12 0.76 [0.63 - 0.91]	88 / 124.66 0.71 [0.57 - 0.87]	217 / 260.66 0.83 [0.73 - 0.95]	1684 / 2002.84 0.84 [0.80 - 0.88]

Table 2.3.2
Mortality from selected causes by duration of employment

TOTAL COHORT
Women

duration of employment(years)	1-4	5-9	10-14	15-19	20-24	25-29	> 30	Total
ALL CAUSES	455 / 513.72 0.89 [0.81 - 0.97]	376 / 420.57 0.89 [0.81 - 0.99]	275 / 282.27 0.97 [0.86 - 1.10]	233 / 299.64 0.78 [0.68 - 0.88]	189 / 236.84 0.80 [0.69 - 0.92]	155 / 161.55 0.96 [0.81 - 1.12]	327 / 329.99 0.99 [0.89 - 1.10]	2010 / 2244.59 0.90 [0.86 - 0.94]
Test for trend : Chi2= 0.84 p=0.360								
ALL MALIGNANT NEOPLASMS (140-208)	143 / 163.35 0.88 [0.74 - 1.03]	123 / 123.04 1.00 [0.83 - 1.19]	91 / 80.90 1.12 [0.91 - 1.38]	74 / 77.22 0.96 [0.75 - 1.20]	46 / 57.22 0.80 [0.59 - 1.07]	37 / 40.68 0.91 [0.64 - 1.25]	83 / 79.95 1.04 [0.83 - 1.29]	597 / 622.35 0.96 [0.88 - 1.04]
Test for trend : Chi2= 0.22 p=0.639								
Oral cavity & pharynx (140-149)	1 / 1.54 0.65 [0.02 - 3.63]	1 / 1.18 0.85 [0.02 - 4.71]	0 / 0.81 0.00 [0.00 - 4.58]	2 / 0.79 2.53 [0.31 - 9.15]	0 / 0.61 0.00 [0.00 - 6.08]	0 / 0.43 0.00 [0.00 - 8.60]	0 / 0.85 0.00 [0.00 - 4.33]	4 / 6.20 0.65 [0.18 - 1.65]
Test for trend : Chi2= 0.38 p=0.538								
Stomach (151)	6 / 9.76 0.61 [0.23 - 1.34]	3 / 8.86 0.34 [0.07 - 0.99]	2 / 6.14 0.33 [0.04 - 1.18]	8 / 6.58 1.22 [0.52 - 2.40]	7 / 5.22 1.34 [0.54 - 2.76]	3 / 3.72 0.81 [0.17 - 2.36]	11 / 7.26 1.52 [0.76 - 2.71]	40 / 47.54 0.84 [0.60 - 1.15]
Test for trend : Chi2= 7.32 p=0.007								
Liver (155)	1 / 2.51 0.40 [0.01 - 2.22]	1 / 2.39 0.42 [0.01 - 2.33]	5 / 1.57 3.18 [1.03 - 7.41]	3 / 1.68 1.79 [0.37 - 5.23]	0 / 1.16 0.00 [0.00 - 3.19]	1 / 0.74 1.35 [0.03 - 7.53]	0 / 1.66 0.00 [0.00 - 2.22]	11 / 11.71 0.94 [0.47 - 1.68]
Test for trend : Chi2= 0.10 p=0.757								
Larynx (161)	0 / 0.32 0.00 [0.00 - 11.4]	0 / 0.24 0.00 [0.00 - 15.2]	1 / 0.15 6.53 [0.16 - 36.4]	0 / 0.14 0.00 [0.00 - 25.6]	0 / 0.10 0.00 [0.00 - 38.6]	0 / 0.07 0.00 [0.00 - 53.1]	0 / 0.14 0.00 [0.00 - 26.7]	1 / 1.17 0.86 [0.02 - 4.77]
Test for trend : Chi2= 0.01 p=0.932								
Lung (162)	26 / 16.19 1.61 [1.05 - 2.35]	21 / 11.30 1.86 [1.15 - 2.84]	7 / 7.19 0.97 [0.39 - 2.01]	7 / 6.38 1.10 [0.44 - 2.26]	3 / 4.39 0.68 [0.14 - 2.00]	5 / 3.10 1.61 [0.52 - 3.76]	3 / 6.14 0.49 [0.10 - 1.43]	72 / 54.68 1.32 [1.03 - 1.66]
Test for trend : Chi2= 5.39 p=0.020								
Pleura (163)	0 / 0.24 0.00 [0.00 - 15.1]	0 / 0.20 0.00 [0.00 - 18.3]	1 / 0.13 7.73 [0.19 - 43.1]	1 / 0.15 6.50 [0.16 - 36.2]	1 / 0.12 8.58 [0.21 - 47.8]	0 / 0.08 0.00 [0.00 - 45.3]	2 / 0.18 11.30 [1.37 - 40.8]	5 / 1.10 4.53 [1.47 - 10.6]
Test for trend : Chi2= 2.88 p=0.090								
Soft tissue (171)	1 / 0.82 1.23 [0.03 - 6.84]	4 / 0.53 7.48 [2.04 - 19.2]	1 / 0.34 2.91 [0.07 - 16.2]	0 / 0.32 0.00 [0.00 - 11.6]	0 / 0.24 0.00 [0.00 - 15.1]	0 / 0.17 0.00 [0.00 - 21.7]	1 / 0.32 3.12 [0.08 - 17.4]	7 / 2.75 2.55 [1.03 - 5.25]
Test for trend : Chi2= 0.32 p=0.569								
Bladder (188)	6 / 2.03 2.96 [1.08 - 6.43]	0 / 1.66 0.00 [0.00 - 2.22]	2 / 1.10 1.81 [0.22 - 6.56]	0 / 1.13 0.00 [0.00 - 3.26]	0 / 0.82 0.00 [0.00 - 4.50]	1 / 0.60 1.66 [0.04 - 9.23]	0 / 1.27 0.00 [0.00 - 2.90]	9 / 8.62 1.04 [0.48 - 1.98]
Test for trend : Chi2= 4.32 p=0.038								
Lymphatic & heamatopoietic tissue (200-208)	5 / 13.28 0.38 [0.12 - 0.88]	13 / 9.60 1.35 [0.72 - 2.31]	8 / 6.24 1.28 [0.55 - 2.53]	3 / 6.03 0.50 [0.10 - 1.45]	1 / 4.53 0.22 [0.01 - 1.23]	4 / 3.12 1.28 [0.35 - 3.29]	6 / 6.29 0.95 [0.35 - 2.08]	40 / 49.10 0.81 [0.58 - 1.11]
Test for trend : Chi2= 0.29 p=0.591								
Non-Hodgkins lymphoma (200,202)	1 / 3.59 0.28 [0.01 - 1.55]	3 / 2.67 1.12 [0.23 - 3.28]	2 / 1.81 1.11 [0.13 - 4.00]	2 / 1.83 1.09 [0.13 - 3.95]	0 / 1.42 0.00 [0.00 - 2.59]	1 / 0.98 1.02 [0.03 - 5.70]	1 / 2.02 0.50 [0.01 - 2.76]	10 / 14.31 0.70 [0.33 - 1.28]
Test for trend : Chi2= 0.00 p=0.992								
Hodgkins disease (201)	0 / 1.52 0.00 [0.00 - 2.43]	2 / 0.94 2.12 [0.26 - 7.65]	1 / 0.55 1.83 [0.05 - 10.2]	0 / 0.44 0.00 [0.00 - 8.38]	0 / 0.30 0.00 [0.00 - 12.3]	1 / 0.19 5.16 [0.13 - 28.7]	1 / 0.34 2.92 [0.07 - 16.3]	5 / 4.29 1.17 [0.38 - 2.72]
Test for trend : Chi2= 2.07 p=0.150								
Multiple myeloma (203)	1 / 2.12 0.47 [0.01 - 2.63]	2 / 1.79 1.11 [0.13 - 4.03]	2 / 1.26 1.59 [0.19 - 5.74]	0 / 1.34 0.00 [0.00 - 2.75]	0 / 1.04 0.00 [0.00 - 3.55]	0 / 0.73 0.00 [0.00 - 5.06]	2 / 1.56 1.29 [0.16 - 4.64]	7 / 9.84 0.71 [0.29 - 1.47]
Test for trend : Chi2= 0.00 p=0.983								
Leukemia & aleukemia (204-208)	3 / 5.78 0.52 [0.11 - 1.52]	6 / 4.00 1.50 [0.55 - 3.26]	3 / 2.53 1.19 [0.24 - 3.46]	1 / 2.38 0.42 [0.01 - 2.34]	1 / 1.76 0.57 [0.01 - 3.17]	2 / 1.22 1.64 [0.20 - 5.92]	2 / 2.39 0.84 [0.10 - 3.02]	18 / 20.07 0.90 [0.53 - 1.42]
Test for trend : Chi2= 0.04 p=0.836								
MENTAL DISORDERS (290-319)	2 / 6.30 0.32 [0.04 - 1.15]	1 / 5.79 0.17 [0.00 - 0.96]	1 / 4.26 0.23 [0.01 - 1.31]	3 / 5.50 0.55 [0.11 - 1.59]	1 / 5.12 0.20 [0.00 - 1.09]	2 / 2.61 0.77 [0.09 - 2.77]	1 / 6.21 0.16 [0.00 - 0.90]	11 / 35.79 0.31 [0.15 - 0.55]
Test for trend : Chi2= 0.01 p=0.910								
DIS. OF CIRCULATORY SYSTEM (390-459)	178 / 181.94 0.98 [0.84 - 1.13]	161 / 173.12 0.93 [0.79 - 1.09]	109 / 122.37 0.89 [0.73 - 1.07]	98 / 141.60 0.69 [0.56 - 0.84]	103 / 117.49 0.88 [0.72 - 1.06]	83 / 79.26 1.05 [0.83 - 1.30]	159 / 166.55 0.95 [0.81 - 1.12]	891 / 982.33 0.91 [0.85 - 0.97]
Test for trend : Chi2= 0.00 p=0.969								
Ischaemic heart disease (410-414)	85 / 84.26 1.01 [0.81 - 1.25]	76 / 77.04 0.99 [0.78 - 1.23]	46 / 57.62 0.80 [0.58 - 1.06]	54 / 64.21 0.84 [0.63 - 1.10]	45 / 56.04 0.80 [0.59 - 1.07]	46 / 38.24 1.20 [0.88 - 1.60]	78 / 81.04 0.96 [0.76 - 1.20]	430 / 458.43 0.94 [0.85 - 1.03]
Test for trend : Chi2= 0.00 p=0.976								
DIS. OF RESPIRATORY SYSTEM (460-519)	32 / 30.31 1.06 [0.72 - 1.49]	21 / 25.86 0.81 [0.50 - 1.24]	15 / 17.51 0.86 [0.48 - 1.41]	12 / 19.08 0.63 [0.32 - 1.10]	12 / 15.17 0.79 [0.41 - 1.38]	12 / 10.11 1.19 [0.61 - 2.07]	18 / 20.70 0.87 [0.52 - 1.37]	122 / 138.74 0.88 [0.73 - 1.05]
Test for trend : Chi2= 0.12 p=0.733								
DIS. OF DIGESTIVE SYSTEM (520-579)	14 / 18.65 0.75 [0.41 - 1.26]	15 / 15.51 0.97 [0.54 - 1.60]	9 / 10.07 0.89 [0.41 - 1.70]	7 / 10.84 0.65 [0.26 - 1.33]	3 / 8.28 0.36 [0.07 - 1.06]	3 / 5.71 0.53 [0.11 - 1.53]	10 / 11.84 0.84 [0.40 - 1.55]	61 / 80.91 0.75 [0.58 - 0.97]
Test for trend : Chi2= 0.41 p=0.523								
Liver cirrhosis (571)	2 / 5.90 0.34 [0.04 - 1.22]	4 / 4.54 0.88 [0.24 - 2.26]	3 / 2.62 1.15 [0.24 - 3.35]	1 / 2.71 0.37 [0.01 - 2.06]	1 / 1.74 0.58 [0.01 - 3.20]	1 / 1.27 0.79 [0.02 - 4.38]	3 / 2.47 1.22 [0.25 - 3.55]	15 / 21.25 0.71 [0.40 - 1.16]
Test for trend : Chi2= 0.90 p=0.342								
EXTERNAL CAUSES (E800-999)	39 / 47.88 0.81 [0.58 - 1.11]	15 / 28.45 0.53 [0.30 - 0.87]	16 / 16.73 0.96 [0.55 - 1.55]	13 / 14.49 0.90 [0.48 - 1.53]	8 / 10.56 0.76 [0.33 - 1.49]	8 / 7.33 1.09 [0.47 - 2.15]	14 / 13.13 1.07 [0.58 - 1.79]	113 / 138.57 0.82 [0.67 - 0.98]
Test for trend : Chi2= 1.68 p=0.195								

Table 2.3.3
Mortality from selected causes by duration of employment

TOTAL COHORT Excluding Brazil, South Africa

duration of employment(years)	1-4	5-9	10-14	15-19	20-24	25-29	> 30	Total
ALL CAUSES Test for trend : Chi2= 12.40 p=0.000	3466 / 3513.06 0.99 [0.95 - 1.02]	2555 / 2695.65 0.95 [0.91 - 0.99]	2034 / 2237.75 0.91 [0.87 - 0.95]	1925 / 2280.72 0.84 [0.81 - 0.88]	1741 / 2038.39 0.85 [0.81 - 0.90]	1621 / 1825.42 0.89 [0.85 - 0.93]	4971 / 5408.26 0.92 [0.89 - 0.95]	18313 / 19999.26 0.92 [0.90 - 0.93]
ALL MALIGNANT NEOPLASMS (140-208) Test for trend : Chi2= 9.03 p=0.003	838 / 837.70 1.00 [0.93 - 1.07]	629 / 646.48 0.97 [0.90 - 1.05]	529 / 542.53 0.98 [0.89 - 1.06]	480 / 539.20 0.89 [0.81 - 0.97]	433 / 487.56 0.89 [0.81 - 0.98]	381 / 452.64 0.84 [0.76 - 0.93]	1186 / 1310.19 0.91 [0.85 - 0.96]	4476 / 4816.30 0.93 [0.90 - 0.96]
Oral cavity & pharynx (140-149) Test for trend : Chi2= 0.98 p=0.323	14 / 17.17 0.82 [0.45 - 1.37]	13 / 13.48 0.96 [0.51 - 1.65]	11 / 12.13 0.91 [0.45 - 1.62]	10 / 12.46 0.80 [0.38 - 1.48]	4 / 12.16 0.33 [0.09 - 0.84]	4 / 11.61 0.34 [0.09 - 0.88]	24 / 29.55 0.81 [0.52 - 1.21]	80 / 108.57 0.74 [0.58 - 0.92]
Stomach (151) Test for trend : Chi2= 2.23 p=0.135	56 / 71.95 0.78 [0.59 - 1.01]	42 / 61.20 0.69 [0.49 - 0.93]	42 / 54.05 0.78 [0.56 - 1.05]	47 / 57.79 0.81 [0.60 - 1.08]	53 / 51.93 1.02 [0.76 - 1.34]	38 / 48.47 0.78 [0.55 - 1.08]	127 / 140.88 0.90 [0.75 - 1.07]	405 / 486.27 0.83 [0.75 - 0.92]
Liver (155) Test for trend : Chi2= 0.36 p=0.549	11 / 14.23 0.77 [0.39 - 1.38]	6 / 11.91 0.50 [0.18 - 1.10]	12 / 10.47 1.15 [0.59 - 2.00]	12 / 10.78 1.11 [0.58 - 1.94]	9 / 10.14 0.89 [0.41 - 1.68]	6 / 10.51 0.57 [0.21 - 1.24]	19 / 29.38 0.65 [0.39 - 1.01]	75 / 97.43 0.77 [0.61 - 0.96]
Larynx (161) Test for trend : Chi2= 2.43 p=0.119	13 / 9.09 1.43 [0.76 - 2.44]	7 / 7.61 0.92 [0.37 - 1.90]	8 / 7.04 1.14 [0.49 - 2.24]	7 / 7.33 0.96 [0.38 - 1.97]	5 / 7.26 0.69 [0.22 - 1.61]	6 / 6.86 0.87 [0.32 - 1.90]	13 / 16.99 0.77 [0.41 - 1.31]	59 / 62.19 0.95 [0.72 - 1.22]
Lung (162) Test for trend : Chi2= 12.45 p=0.000	221 / 190.87 1.16 [1.01 - 1.32]	163 / 146.52 1.11 [0.95 - 1.30]	136 / 127.64 1.07 [0.89 - 1.26]	121 / 125.26 0.97 [0.80 - 1.15]	128 / 116.91 1.09 [0.91 - 1.30]	106 / 110.44 0.96 [0.79 - 1.16]	277 / 322.89 0.86 [0.76 - 0.97]	1152 / 1140.53 1.01 [0.95 - 1.07]
Pleura (163) Test for trend : Chi2= 0.73 p=0.394	5 / 3.58 1.40 [0.45 - 3.26]	6 / 2.59 2.31 [0.85 - 5.03]	4 / 2.14 1.87 [0.51 - 4.78]	1 / 2.06 0.49 [0.01 - 2.71]	5 / 1.95 2.56 [0.83 - 5.98]	2 / 1.91 1.04 [0.13 - 3.77]	13 / 5.06 2.57 [1.37 - 4.40]	36 / 19.30 1.87 [1.31 - 2.58]
Soft tissue (171) Test for trend : Chi2= 0.46 p=0.496	6 / 4.40 1.36 [0.50 - 2.97]	6 / 2.98 2.02 [0.74 - 4.39]	4 / 2.31 1.73 [0.47 - 4.43]	1 / 2.19 0.46 [0.01 - 2.54]	0 / 1.91 0.00 [0.00 - 1.94]	2 / 1.68 1.19 [0.14 - 4.30]	6 / 4.26 1.41 [0.52 - 3.06]	25 / 19.73 1.27 [0.82 - 1.87]
Bladder (188) Test for trend : Chi2= 0.05 p=0.817	32 / 24.95 1.28 [0.88 - 1.81]	16 / 20.19 0.79 [0.45 - 1.29]	19 / 17.33 1.10 [0.66 - 1.71]	15 / 17.58 0.85 [0.48 - 1.41]	13 / 15.97 0.81 [0.43 - 1.39]	18 / 14.89 1.21 [0.72 - 1.91]	50 / 48.00 1.04 [0.77 - 1.37]	163 / 158.91 1.03 [0.87 - 1.20]
Lymphatic & hematopoietic tissue (200-208) Test for trend : Chi2= 0.03 p=0.852	77 / 79.63 0.97 [0.76 - 1.21]	63 / 56.79 1.11 [0.85 - 1.42]	28 / 45.25 0.62 [0.41 - 0.89]	36 / 43.24 0.83 [0.58 - 1.15]	30 / 37.68 0.80 [0.54 - 1.14]	31 / 33.80 0.92 [0.62 - 1.30]	93 / 95.31 0.98 [0.79 - 1.20]	358 / 391.70 0.91 [0.82 - 1.01]
Non-Hodgkins lymphoma (200,202) Test for trend : Chi2= 0.30 p=0.584	25 / 22.41 1.12 [0.72 - 1.65]	15 / 16.05 0.93 [0.52 - 1.54]	9 / 13.09 0.69 [0.31 - 1.31]	16 / 12.71 1.26 [0.72 - 2.04]	9 / 11.37 0.79 [0.36 - 1.50]	10 / 10.43 0.96 [0.46 - 1.76]	26 / 28.82 0.90 [0.59 - 1.32]	110 / 114.88 0.96 [0.79 - 1.15]
Hodgkins disease (201) Test for trend : Chi2= 1.57 p=0.210	6 / 10.28 0.58 [0.21 - 1.27]	10 / 6.61 1.51 [0.73 - 2.78]	3 / 4.77 0.63 [0.13 - 1.84]	3 / 4.01 0.75 [0.15 - 2.18]	3 / 3.13 0.96 [0.20 - 2.80]	5 / 2.48 2.02 [0.65 - 4.70]	7 / 5.74 1.22 [0.49 - 2.51]	37 / 37.02 1.00 [0.70 - 1.38]
Multiple myeloma (203) Test for trend : Chi2= 0.03 p=0.863	16 / 12.30 1.30 [0.74 - 2.11]	8 / 9.84 0.81 [0.35 - 1.60]	6 / 8.54 0.70 [0.26 - 1.53]	4 / 8.85 0.45 [0.12 - 1.16]	6 / 8.07 0.74 [0.27 - 1.62]	6 / 7.53 0.80 [0.29 - 1.73]	24 / 22.60 1.06 [0.68 - 1.58]	70 / 77.73 0.90 [0.70 - 1.14]
Leukemia & aleukemia (204-208) Test for trend : Chi2= 0.16 p=0.685	30 / 33.44 0.90 [0.61 - 1.28]	30 / 23.42 1.28 [0.86 - 1.83]	10 / 18.30 0.55 [0.26 - 1.01]	13 / 17.35 0.75 [0.40 - 1.28]	12 / 14.98 0.80 [0.41 - 1.40]	10 / 13.34 0.75 [0.36 - 1.38]	36 / 37.86 0.95 [0.67 - 1.32]	141 / 158.68 0.89 [0.75 - 1.05]
MENTAL DISORDERS (290-319) Test for trend : Chi2= 15.44 p=0.000	50 / 42.00 1.19 [0.88 - 1.57]	23 / 30.28 0.76 [0.48 - 1.14]	17 / 24.49 0.69 [0.40 - 1.11]	17 / 26.94 0.63 [0.37 - 1.01]	16 / 25.08 0.64 [0.36 - 1.04]	11 / 20.20 0.54 [0.27 - 0.97]	23 / 50.06 0.46 [0.29 - 0.69]	157 / 219.07 0.72 [0.61 - 0.84]
DIS. OF CIRCULATORY SYSTEM (390-459) Test for trend : Chi2= 0.57 p=0.451	1294 / 1355.07 0.95 [0.90 - 1.01]	1086 / 1126.70 0.96 [0.91 - 1.02]	921 / 984.88 0.94 [0.88 - 1.00]	908 / 1060.24 0.86 [0.80 - 0.91]	865 / 966.49 0.89 [0.84 - 0.96]	840 / 870.30 0.97 [0.90 - 1.03]	2660 / 2732.41 0.97 [0.94 - 1.01]	8574 / 9096.10 0.94 [0.92 - 0.96]
Ischaemic heart disease (410-414) Test for trend : Chi2= 0.07 p=0.788	823 / 852.79 0.97 [0.90 - 1.03]	675 / 688.66 0.98 [0.91 - 1.06]	575 / 610.02 0.94 [0.87 - 1.02]	537 / 639.92 0.84 [0.77 - 0.91]	519 / 589.65 0.88 [0.81 - 0.96]	508 / 537.35 0.95 [0.86 - 1.03]	1626 / 1693.59 0.96 [0.91 - 1.01]	5263 / 5611.99 0.94 [0.91 - 0.96]
DIS. OF RESPIRATORY SYSTEM (460-519) Test for trend : Chi2= 20.90 p=0.000	216 / 188.33 1.15 [1.00 - 1.31]	126 / 159.21 0.79 [0.66 - 0.94]	117 / 140.43 0.83 [0.69 - 1.00]	110 / 158.46 0.69 [0.57 - 0.84]	110 / 144.95 0.76 [0.62 - 0.91]	105 / 127.51 0.82 [0.67 - 1.00]	289 / 416.38 0.69 [0.62 - 0.78]	1073 / 1335.27 0.80 [0.76 - 0.85]
DIS. OF DIGESTIVE SYSTEM (520-579) Test for trend : Chi2= 4.75 p=0.029	130 / 127.64 1.02 [0.85 - 1.21]	98 / 98.59 0.99 [0.81 - 1.21]	73 / 81.48 0.90 [0.70 - 1.13]	57 / 82.01 0.70 [0.53 - 0.90]	49 / 74.52 0.66 [0.49 - 0.87]	53 / 68.38 0.78 [0.58 - 1.01]	155 / 181.96 0.85 [0.72 - 1.00]	615 / 714.59 0.86 [0.79 - 0.93]
Liver cirrhosis (571) Test for trend : Chi2= 1.16 p=0.282	64 / 54.52 1.17 [0.90 - 1.50]	39 / 39.46 0.99 [0.70 - 1.35]	30 / 31.36 0.96 [0.65 - 1.37]	15 / 29.70 0.51 [0.28 - 0.83]	15 / 28.22 0.53 [0.30 - 0.88]	26 / 26.84 0.97 [0.63 - 1.42]	58 / 56.31 1.03 [0.78 - 1.33]	247 / 266.40 0.93 [0.82 - 1.05]
EXTERNAL CAUSES (E800-999) Test for trend : Chi2= 10.63 p=0.001	580 / 591.75 0.98 [0.90 - 1.06]	312 / 357.31 0.87 [0.78 - 0.98]	182 / 243.10 0.75 [0.64 - 0.87]	155 / 197.62 0.78 [0.67 - 0.92]	116 / 155.82 0.74 [0.62 - 0.89]	88 / 124.66 0.71 [0.57 - 0.87]	217 / 260.66 0.83 [0.73 - 0.95]	1650 / 1930.91 0.85 [0.81 - 0.90]

Table 2.4.1
Mortality from selected causes by ever employment in "pulp production" department

TOTAL COHORT

ever employment in "pulp production" department	Ever	Never	Total
ALL CAUSES	4857 / 5307.88 0.92 [0.89 - 0.94]	12759 / 13943.58 0.92 [0.90 - 0.93]	17616 / 19251.46 0.92 [0.90 - 0.93]
ALL MALIGNANT NEOPLASMS (140-208)	1111 / 1203.44 0.92 [0.87 - 0.98]	3202 / 3424.55 0.94 [0.90 - 0.97]	4313 / 4627.99 0.93 [0.90 - 0.96]
Oral cavity & pharynx (140-149)	18 / 26.74 0.67 [0.40 - 1.06]	62 / 80.52 0.77 [0.59 - 0.99]	80 / 107.27 0.75 [0.59 - 0.93]
Stomach (151)	127 / 132.68 0.96 [0.80 - 1.14]	253 / 327.41 0.77 [0.68 - 0.87]	380 / 460.08 0.83 [0.74 - 0.91]
Liver (155)	20 / 24.26 0.82 [0.50 - 1.27]	53 / 71.98 0.74 [0.55 - 0.96]	73 / 96.23 0.76 [0.59 - 0.95]
Larynx (161)	18 / 14.54 1.24 [0.73 - 1.96]	43 / 46.71 0.92 [0.67 - 1.24]	61 / 61.25 1.00 [0.76 - 1.28]
Lung (162)	287 / 273.85 1.05 [0.93 - 1.18]	826 / 814.15 1.01 [0.95 - 1.09]	1113 / 1088.00 1.02 [0.96 - 1.08]
Pleura (163)	10 / 4.68 2.14 [1.03 - 3.93]	25 / 13.98 1.79 [1.16 - 2.64]	35 / 18.66 1.88 [1.31 - 2.61]
Soft tissue (171)	3 / 5.18 0.58 [0.12 - 1.69]	20 / 13.77 1.45 [0.89 - 2.24]	23 / 18.95 1.21 [0.77 - 1.82]
Bladder (188)	35 / 39.22 0.89 [0.62 - 1.24]	126 / 115.07 1.09 [0.91 - 1.30]	161 / 154.29 1.04 [0.89 - 1.22]
Lymphatic & hematopoietic tissue (200-208)	98 / 102.12 0.96 [0.78 - 1.17]	246 / 276.50 0.89 [0.78 - 1.01]	344 / 378.61 0.91 [0.82 - 1.01]
Non-Hodgkins lymphoma (200,202)	28 / 29.88 0.94 [0.62 - 1.35]	78 / 80.19 0.97 [0.77 - 1.21]	106 / 110.07 0.96 [0.79 - 1.16]
Hodgkins disease (201)	10 / 9.12 1.10 [0.53 - 2.02]	25 / 26.44 0.95 [0.61 - 1.40]	35 / 35.56 0.98 [0.69 - 1.37]
Multiple myeloma (203)	21 / 21.49 0.98 [0.60 - 1.49]	49 / 53.20 0.92 [0.68 - 1.22]	70 / 74.69 0.94 [0.73 - 1.18]
Leukemia & aleukemia (204-208)	39 / 40.52 0.96 [0.68 - 1.32]	94 / 113.18 0.83 [0.67 - 1.02]	133 / 153.70 0.87 [0.72 - 1.03]
MENTAL DISORDERS (290-319)	41 / 61.05 0.67 [0.48 - 0.91]	112 / 146.26 0.77 [0.63 - 0.92]	153 / 207.31 0.74 [0.63 - 0.86]
DIS. OF CIRCULATORY SYSTEM (390-459)	2358 / 2507.31 0.94 [0.90 - 0.98]	5750 / 6124.49 0.94 [0.91 - 0.96]	8108 / 8631.80 0.94 [0.92 - 0.96]
Ischaemic heart disease (410-414)	1433 / 1549.62 0.92 [0.88 - 0.97]	3622 / 3770.53 0.96 [0.93 - 0.99]	5055 / 5320.15 0.95 [0.92 - 0.98]
DIS. OF RESPIRATORY SYSTEM (460-519)	292 / 355.47 0.82 [0.73 - 0.92]	739 / 916.43 0.81 [0.75 - 0.87]	1031 / 1271.90 0.81 [0.76 - 0.86]
DIS. OF DIGESTIVE SYSTEM (520-579)	131 / 178.03 0.74 [0.62 - 0.87]	472 / 525.23 0.90 [0.82 - 0.98]	603 / 703.26 0.86 [0.79 - 0.93]
Liver cirrhosis (571)	47 / 58.91 0.80 [0.59 - 1.06]	207 / 213.38 0.97 [0.84 - 1.11]	254 / 272.29 0.93 [0.82 - 1.05]
EXTERNAL CAUSES (E800-999)	425 / 497.57 0.85 [0.77 - 0.94]	1197 / 1433.49 0.84 [0.79 - 0.88]	1622 / 1931.05 0.84 [0.80 - 0.88]

Table 2.4.2
Mortality from selected causes by ever employment in "pulp production" department

TOTAL COHORT
Men

ever employment in "pulp production" department	Ever	Never	Total
ALL CAUSES	4514 / 4869.59 0.93 [0.90 - 0.95]	11387 / 12441.95 0.92 [0.90 - 0.93]	15901 / 17311.55 0.92 [0.90 - 0.93]
ALL MALIGNANT NEOPLASMS (140-208)	1023 / 1101.23 0.93 [0.87 - 0.99]	2760 / 2966.37 0.93 [0.90 - 0.97]	3783 / 4067.59 0.93 [0.90 - 0.96]
Oral cavity & pharynx (140-149)	18 / 25.68 0.70 [0.42 - 1.11]	58 / 76.09 0.76 [0.58 - 0.99]	76 / 101.77 0.75 [0.59 - 0.93]
Stomach (151)	114 / 122.06 0.93 [0.77 - 1.12]	234 / 298.01 0.79 [0.69 - 0.89]	348 / 420.07 0.83 [0.74 - 0.92]
Liver (155)	16 / 21.37 0.75 [0.43 - 1.22]	47 / 64.58 0.73 [0.53 - 0.97]	63 / 85.95 0.73 [0.56 - 0.94]
Larynx (161)	18 / 14.38 1.25 [0.74 - 1.98]	42 / 45.79 0.92 [0.66 - 1.24]	60 / 60.16 1.00 [0.76 - 1.28]
Lung (162)	281 / 267.41 1.05 [0.93 - 1.18]	766 / 769.63 1.00 [0.93 - 1.07]	1047 / 1037.05 1.01 [0.95 - 1.07]
Pleura (163)	8 / 4.42 1.81 [0.78 - 3.57]	23 / 13.28 1.73 [1.10 - 2.60]	31 / 17.70 1.75 [1.19 - 2.49]
Soft tissue (171)	2 / 4.74 0.42 [0.05 - 1.52]	15 / 11.75 1.28 [0.71 - 2.11]	17 / 16.49 1.03 [0.60 - 1.65]
Bladder (188)	35 / 37.90 0.92 [0.64 - 1.28]	117 / 108.53 1.08 [0.89 - 1.29]	152 / 146.43 1.04 [0.88 - 1.22]
Lymphatic & hematopoietic tissue (200-208)	95 / 93.31 1.02 [0.82 - 1.24]	214 / 241.62 0.89 [0.77 - 1.01]	309 / 334.93 0.92 [0.82 - 1.03]
Non-Hodgkins lymphoma (200,202)	27 / 27.27 0.99 [0.65 - 1.44]	70 / 70.21 1.00 [0.78 - 1.26]	97 / 97.48 1.00 [0.81 - 1.21]
Hodgkins disease (201)	8 / 8.42 0.95 [0.41 - 1.87]	22 / 23.24 0.95 [0.59 - 1.43]	30 / 31.66 0.95 [0.64 - 1.35]
Multiple myeloma (203)	21 / 19.61 1.07 [0.66 - 1.64]	42 / 46.48 0.90 [0.65 - 1.22]	63 / 66.09 0.95 [0.73 - 1.22]
Leukemia & aleukemia (204-208)	39 / 36.99 1.05 [0.75 - 1.44]	80 / 98.72 0.81 [0.64 - 1.01]	119 / 135.71 0.88 [0.73 - 1.05]
MENTAL DISORDERS (290-319)	40 / 51.78 0.77 [0.55 - 1.05]	105 / 127.78 0.82 [0.67 - 0.99]	145 / 179.57 0.81 [0.68 - 0.95]
DIS. OF CIRCULATORY SYSTEM (390-459)	2170 / 2289.91 0.95 [0.91 - 0.99]	5200 / 5524.25 0.94 [0.92 - 0.97]	7370 / 7814.16 0.94 [0.92 - 0.96]
Ischaemic heart disease (410-414)	1347 / 1453.70 0.93 [0.88 - 0.98]	3342 / 3486.68 0.96 [0.93 - 0.99]	4689 / 4940.38 0.95 [0.92 - 0.98]
DIS. OF RESPIRATORY SYSTEM (460-519)	277 / 330.06 0.84 [0.74 - 0.94]	647 / 821.89 0.79 [0.73 - 0.85]	924 / 1151.95 0.80 [0.75 - 0.86]
DIS. OF DIGESTIVE SYSTEM (520-579)	120 / 162.13 0.74 [0.61 - 0.89]	431 / 470.02 0.92 [0.83 - 1.01]	551 / 632.15 0.87 [0.80 - 0.95]
Liver cirrhosis (571)	46 / 55.29 0.83 [0.61 - 1.11]	193 / 196.86 0.98 [0.85 - 1.13]	239 / 252.15 0.95 [0.83 - 1.08]
EXTERNAL CAUSES (E800-999)	414 / 476.00 0.87 [0.79 - 0.96]	1106 / 1328.68 0.83 [0.78 - 0.88]	1520 / 1804.68 0.84 [0.80 - 0.89]

Table 2.4.2
Mortality from selected causes by ever employment in "pulp production" department

TOTAL COHORT
Women

ever employment in "pulp production" department	Ever	Never	Total
ALL CAUSES	343 / 438.29 0.78 [0.70 - 0.87]	1372 / 1501.63 0.91 [0.87 - 0.96]	1715 / 1939.91 0.88 [0.84 - 0.93]
ALL MALIGNANT NEOPLASMS (140-208)	88 / 102.21 0.86 [0.69 - 1.06]	442 / 458.18 0.96 [0.88 - 1.06]	530 / 560.39 0.95 [0.87 - 1.03]
Oral cavity & pharynx (140-149)	0 / 1.06 0.00 [0.00 - 3.47]	4 / 4.43 0.90 [0.25 - 2.31]	4 / 5.50 0.73 [0.20 - 1.86]
Stomach (151)	13 / 10.62 1.22 [0.65 - 2.09]	19 / 29.39 0.65 [0.39 - 1.01]	32 / 40.01 0.80 [0.55 - 1.13]
Liver (155)	4 / 2.89 1.38 [0.38 - 3.54]	6 / 7.40 0.81 [0.30 - 1.77]	10 / 10.29 0.97 [0.47 - 1.79]
Larynx (161)	0 / 0.17 0.00 [0.00 - 22.3]	1 / 0.92 1.08 [0.03 - 6.03]	1 / 1.09 0.92 [0.02 - 5.11]
Lung (162)	6 / 6.44 0.93 [0.34 - 2.03]	60 / 44.51 1.35 [1.03 - 1.74]	66 / 50.95 1.30 [1.00 - 1.65]
Pleura (163)	2 / 0.26 7.72 [0.93 - 27.9]	2 / 0.70 2.85 [0.34 - 10.3]	4 / 0.96 4.16 [1.13 - 10.7]
Soft tissue (171)	1 / 0.44 2.28 [0.06 - 12.7]	5 / 2.03 2.47 [0.80 - 5.76]	6 / 2.46 2.43 [0.89 - 5.30]
Bladder (188)	0 / 1.32 0.00 [0.00 - 2.80]	9 / 6.54 1.38 [0.63 - 2.61]	9 / 7.86 1.15 [0.52 - 2.17]
Lymphatic & hematopoietic tissue (200-208)	3 / 8.81 0.34 [0.07 - 1.00]	32 / 34.87 0.92 [0.63 - 1.30]	35 / 43.68 0.80 [0.56 - 1.11]
Non-Hodgkins lymphoma (200,202)	1 / 2.61 0.38 [0.01 - 2.14]	8 / 9.98 0.80 [0.35 - 1.58]	9 / 12.59 0.72 [0.33 - 1.36]
Hodgkins disease (201)	2 / 0.69 2.88 [0.35 - 10.4]	3 / 3.21 0.94 [0.19 - 2.73]	5 / 3.90 1.28 [0.42 - 2.99]
Multiple myeloma (203)	0 / 1.88 0.00 [0.00 - 1.97]	7 / 6.73 1.04 [0.42 - 2.14]	7 / 8.60 0.81 [0.33 - 1.68]
Leukemia & aleukemia (204-208)	0 / 3.53 0.00 [0.00 - 1.04]	14 / 14.47 0.97 [0.53 - 1.62]	14 / 18.00 0.78 [0.43 - 1.31]
MENTAL DISORDERS (290-319)	1 / 9.27 0.11 [0.00 - 0.60]	7 / 18.48 0.38 [0.15 - 0.78]	8 / 27.74 0.29 [0.12 - 0.57]
DIS. OF CIRCULATORY SYSTEM (390-459)	188 / 217.40 0.86 [0.75 - 1.00]	550 / 600.24 0.92 [0.84 - 1.00]	738 / 817.65 0.90 [0.84 - 0.97]
Ischaemic heart disease (410-414)	86 / 95.91 0.90 [0.72 - 1.11]	280 / 283.85 0.99 [0.87 - 1.11]	366 / 379.77 0.96 [0.87 - 1.07]
DIS. OF RESPIRATORY SYSTEM (460-519)	15 / 25.41 0.59 [0.33 - 0.97]	92 / 94.54 0.97 [0.78 - 1.19]	107 / 119.95 0.89 [0.73 - 1.08]
DIS. OF DIGESTIVE SYSTEM (520-579)	11 / 15.90 0.69 [0.35 - 1.24]	41 / 55.21 0.74 [0.53 - 1.01]	52 / 71.11 0.73 [0.55 - 0.96]
Liver cirrhosis (571)	1 / 3.62 0.28 [0.01 - 1.54]	14 / 16.52 0.85 [0.46 - 1.42]	15 / 20.14 0.74 [0.42 - 1.23]
EXTERNAL CAUSES (E800-999)	11 / 21.57 0.51 [0.25 - 0.91]	91 / 104.81 0.87 [0.70 - 1.07]	102 / 126.38 0.81 [0.66 - 0.98]

Table 2.4.3
Mortality from selected causes by ever employment in "pulp production" department

TOTAL COHORT Excluding Brazil, South Africa

ever employment in "pulp production" department	Ever	Never	Total
ALL CAUSES	4807 / 5282.28 0.91 [0.88 - 0.94]	12600 / 13701.07 0.92 [0.90 - 0.94]	17407 / 18983.35 0.92 [0.90 - 0.93]
ALL MALIGNANT NEOPLASMS (140-208)	1104 / 1201.65 0.92 [0.87 - 0.97]	3179 / 3402.14 0.93 [0.90 - 0.97]	4283 / 4603.79 0.93 [0.90 - 0.96]
Oral cavity & pharynx (140-149)	18 / 26.62 0.68 [0.40 - 1.07]	61 / 79.11 0.77 [0.59 - 0.99]	79 / 105.73 0.75 [0.59 - 0.93]
Stomach (151)	127 / 132.42 0.96 [0.80 - 1.14]	253 / 324.04 0.78 [0.69 - 0.88]	380 / 456.45 0.83 [0.75 - 0.92]
Liver (155)	20 / 24.05 0.83 [0.51 - 1.28]	53 / 69.45 0.76 [0.57 - 1.00]	73 / 93.51 0.78 [0.61 - 0.98]
Larynx (161)	18 / 14.47 1.24 [0.74 - 1.97]	41 / 45.78 0.90 [0.64 - 1.21]	59 / 60.25 0.98 [0.75 - 1.26]
Lung (162)	286 / 273.60 1.05 [0.93 - 1.17]	814 / 810.81 1.00 [0.94 - 1.08]	1100 / 1084.41 1.01 [0.96 - 1.08]
Pleura (163)	10 / 4.68 2.14 [1.03 - 3.93]	25 / 13.98 1.79 [1.16 - 2.64]	35 / 18.66 1.88 [1.31 - 2.61]
Soft tissue (171)	3 / 5.18 0.58 [0.12 - 1.69]	20 / 13.77 1.45 [0.89 - 2.24]	23 / 18.95 1.21 [0.77 - 1.82]
Bladder (188)	35 / 39.20 0.89 [0.62 - 1.24]	126 / 114.77 1.10 [0.91 - 1.31]	161 / 153.96 1.05 [0.89 - 1.22]
Lymphatic & hematopoietic tissue (200-208)	95 / 101.89 0.93 [0.75 - 1.14]	245 / 274.39 0.89 [0.78 - 1.01]	340 / 376.28 0.90 [0.81 - 1.00]
Non-Hodgkins lymphoma (200,202)	28 / 29.88 0.94 [0.62 - 1.35]	77 / 80.19 0.96 [0.76 - 1.20]	105 / 110.07 0.95 [0.78 - 1.15]
Hodgkins disease (201)	10 / 9.12 1.10 [0.53 - 2.02]	25 / 26.44 0.95 [0.61 - 1.40]	35 / 35.56 0.98 [0.69 - 1.37]
Multiple myeloma (203)	20 / 21.49 0.93 [0.57 - 1.44]	49 / 53.20 0.92 [0.68 - 1.22]	69 / 74.69 0.92 [0.72 - 1.17]
Leukemia & aleukemia (204-208)	37 / 40.41 0.92 [0.64 - 1.26]	94 / 112.15 0.84 [0.68 - 1.03]	131 / 152.56 0.86 [0.72 - 1.02]
MENTAL DISORDERS (290-319)	41 / 60.74 0.67 [0.48 - 0.92]	112 / 143.77 0.78 [0.64 - 0.94]	153 / 204.51 0.75 [0.63 - 0.88]
DIS. OF CIRCULATORY SYSTEM (390-459)	2355 / 2502.20 0.94 [0.90 - 0.98]	5725 / 6063.57 0.94 [0.92 - 0.97]	8080 / 8565.78 0.94 [0.92 - 0.96]
Ischaemic heart disease (410-414)	1432 / 1548.00 0.93 [0.88 - 0.97]	3613 / 3750.90 0.96 [0.93 - 1.00]	5045 / 5298.90 0.95 [0.93 - 0.98]
DIS. OF RESPIRATORY SYSTEM (460-519)	291 / 354.33 0.82 [0.73 - 0.92]	730 / 904.03 0.81 [0.75 - 0.87]	1021 / 1258.35 0.81 [0.76 - 0.86]
DIS. OF DIGESTIVE SYSTEM (520-579)	131 / 176.23 0.74 [0.62 - 0.88]	457 / 508.56 0.90 [0.82 - 0.98]	588 / 684.79 0.86 [0.79 - 0.93]
Liver cirrhosis (571)	47 / 57.85 0.81 [0.60 - 1.08]	198 / 203.91 0.97 [0.84 - 1.12]	245 / 261.76 0.94 [0.82 - 1.06]
EXTERNAL CAUSES (E800-999)	420 / 488.59 0.86 [0.78 - 0.95]	1168 / 1370.56 0.85 [0.80 - 0.90]	1588 / 1859.15 0.85 [0.81 - 0.90]

Table 2.4.4

Mortality from selected causes by ever employment in "pulp production" department

TOTAL COHORT Excluding Brazil,South Africa

Men

ever employment in "pulp production" department	Ever	Never	Total
ALL CAUSES	4464 / 4844.11 0.92 [0.89 - 0.95]	11239 / 12213.03 0.92 [0.90 - 0.94]	15703 / 17057.13 0.92 [0.91 - 0.94]
ALL MALIGNANT NEOPLASMS (140-208)	1016 / 1099.45 0.92 [0.87 - 0.98]	2737 / 2946.09 0.93 [0.89 - 0.96]	3753 / 4045.54 0.93 [0.90 - 0.96]
Oral cavity & pharynx (140-149)	18 / 25.56 0.70 [0.42 - 1.11]	57 / 74.70 0.76 [0.58 - 0.99]	75 / 100.26 0.75 [0.59 - 0.94]
Stomach (151)	114 / 121.80 0.94 [0.77 - 1.12]	234 / 294.79 0.79 [0.70 - 0.90]	348 / 416.58 0.84 [0.75 - 0.93]
Liver (155)	16 / 21.17 0.76 [0.43 - 1.23]	47 / 62.27 0.75 [0.55 - 1.00]	63 / 83.43 0.76 [0.58 - 0.97]
Larynx (161)	18 / 14.30 1.26 [0.75 - 1.99]	40 / 44.87 0.89 [0.64 - 1.21]	58 / 59.17 0.98 [0.74 - 1.27]
Lung (162)	280 / 267.16 1.05 [0.93 - 1.18]	754 / 766.41 0.98 [0.91 - 1.06]	1034 / 1033.57 1.00 [0.94 - 1.06]
Pleura (163)	8 / 4.42 1.81 [0.78 - 3.57]	23 / 13.28 1.73 [1.10 - 2.60]	31 / 17.70 1.75 [1.19 - 2.49]
Soft tissue (171)	2 / 4.74 0.42 [0.05 - 1.52]	15 / 11.75 1.28 [0.71 - 2.11]	17 / 16.49 1.03 [0.60 - 1.65]
Bladder (188)	35 / 37.88 0.92 [0.64 - 1.29]	117 / 108.24 1.08 [0.89 - 1.30]	152 / 146.12 1.04 [0.88 - 1.22]
Lymphatic & hematopoietic tissue (200-208)	92 / 93.09 0.99 [0.80 - 1.21]	213 / 239.68 0.89 [0.77 - 1.02]	305 / 332.77 0.92 [0.82 - 1.03]
Non-Hodgkins lymphoma (200,202)	27 / 27.27 0.99 [0.65 - 1.44]	69 / 70.21 0.98 [0.76 - 1.24]	96 / 97.48 0.98 [0.80 - 1.20]
Hodgkins disease (201)	8 / 8.42 0.95 [0.41 - 1.87]	22 / 23.24 0.95 [0.59 - 1.43]	30 / 31.66 0.95 [0.64 - 1.35]
Multiple myeloma (203)	20 / 19.61 1.02 [0.62 - 1.57]	42 / 46.48 0.90 [0.65 - 1.22]	62 / 66.09 0.94 [0.72 - 1.20]
Leukemia & aleukemia (204-208)	37 / 36.88 1.00 [0.71 - 1.38]	80 / 97.78 0.82 [0.65 - 1.02]	117 / 134.65 0.87 [0.72 - 1.04]
MENTAL DISORDERS (290-319)	40 / 51.48 0.78 [0.56 - 1.06]	105 / 125.35 0.84 [0.69 - 1.01]	145 / 176.82 0.82 [0.69 - 0.96]
DIS. OF CIRCULATORY SYSTEM (390-459)	2167 / 2284.82 0.95 [0.91 - 0.99]	5175 / 5467.34 0.95 [0.92 - 0.97]	7342 / 7752.17 0.95 [0.93 - 0.97]
Ischaemic heart disease (410-414)	1346 / 1452.08 0.93 [0.88 - 0.98]	3333 / 3467.86 0.96 [0.93 - 0.99]	4679 / 4919.95 0.95 [0.92 - 0.98]
DIS. OF RESPIRATORY SYSTEM (460-519)	276 / 328.92 0.84 [0.74 - 0.94]	639 / 810.23 0.79 [0.73 - 0.85]	915 / 1139.15 0.80 [0.75 - 0.86]
DIS. OF DIGESTIVE SYSTEM (520-579)	120 / 160.34 0.75 [0.62 - 0.89]	418 / 454.01 0.92 [0.83 - 1.01]	538 / 614.35 0.88 [0.80 - 0.95]
Liver cirrhosis (571)	46 / 54.23 0.85 [0.62 - 1.13]	185 / 187.64 0.99 [0.85 - 1.14]	231 / 241.87 0.96 [0.84 - 1.09]
EXTERNAL CAUSES (E800-999)	409 / 467.05 0.88 [0.79 - 0.96]	1079 / 1267.13 0.85 [0.80 - 0.90]	1488 / 1734.18 0.86 [0.81 - 0.90]

Table 2.4.4
Mortality from selected causes by ever employment in "pulp production" department

TOTAL COHORT Excluding Brazil, South Africa
Women

ever employment in "pulp production" department	Ever	Never	Total
ALL CAUSES	343 / 438.17 0.78 [0.70 - 0.87]	1361 / 1488.05 0.91 [0.87 - 0.96]	1704 / 1926.22 0.88 [0.84 - 0.93]
ALL MALIGNANT NEOPLASMS (140-208)	88 / 102.20 0.86 [0.69 - 1.06]	442 / 456.05 0.97 [0.88 - 1.06]	530 / 558.25 0.95 [0.87 - 1.03]
Oral cavity & pharynx (140-149)	0 / 1.06 0.00 [0.00 - 3.47]	4 / 4.41 0.91 [0.25 - 2.32]	4 / 5.47 0.73 [0.20 - 1.87]
Stomach (151)	13 / 10.62 1.22 [0.65 - 2.09]	19 / 29.25 0.65 [0.39 - 1.01]	32 / 39.87 0.80 [0.55 - 1.13]
Liver (155)	4 / 2.89 1.38 [0.38 - 3.54]	6 / 7.18 0.84 [0.31 - 1.82]	10 / 10.07 0.99 [0.48 - 1.83]
Larynx (161)	0 / 0.17 0.00 [0.00 - 22.3]	1 / 0.91 1.10 [0.03 - 6.10]	1 / 1.08 0.93 [0.02 - 5.17]
Lung (162)	6 / 6.44 0.93 [0.34 - 2.03]	60 / 44.40 1.35 [1.03 - 1.74]	66 / 50.84 1.30 [1.00 - 1.65]
Pleura (163)	2 / 0.26 7.72 [0.93 - 27.9]	2 / 0.70 2.85 [0.34 - 10.3]	4 / 0.96 4.16 [1.13 - 10.7]
Soft tissue (171)	1 / 0.44 2.28 [0.06 - 12.7]	5 / 2.03 2.47 [0.80 - 5.76]	6 / 2.46 2.43 [0.89 - 5.30]
Bladder (188)	0 / 1.32 0.00 [0.00 - 2.80]	9 / 6.53 1.38 [0.63 - 2.62]	9 / 7.84 1.15 [0.52 - 2.18]
Lymphatic & hematopoietic tissue (200-208)	3 / 8.80 0.34 [0.07 - 1.00]	32 / 34.71 0.92 [0.63 - 1.30]	35 / 43.51 0.80 [0.56 - 1.12]
Non-Hodgkins lymphoma (200,202)	1 / 2.61 0.38 [0.01 - 2.14]	8 / 9.98 0.80 [0.35 - 1.58]	9 / 12.59 0.72 [0.33 - 1.36]
Hodgkins disease (201)	2 / 0.69 2.88 [0.35 - 10.4]	3 / 3.21 0.94 [0.19 - 2.73]	5 / 3.90 1.28 [0.42 - 2.99]
Multiple myeloma (203)	0 / 1.88 0.00 [0.00 - 1.97]	7 / 6.73 1.04 [0.42 - 2.14]	7 / 8.60 0.81 [0.33 - 1.68]
Leukemia & aleukemia (204-208)	0 / 3.53 0.00 [0.00 - 1.05]	14 / 14.37 0.97 [0.53 - 1.63]	14 / 17.90 0.78 [0.43 - 1.31]
MENTAL DISORDERS (290-319)	1 / 9.27 0.11 [0.00 - 0.60]	7 / 18.42 0.38 [0.15 - 0.78]	8 / 27.68 0.29 [0.12 - 0.57]
DIS. OF CIRCULATORY SYSTEM (390-459)	188 / 217.38 0.86 [0.75 - 1.00]	550 / 596.23 0.92 [0.85 - 1.00]	738 / 813.61 0.91 [0.84 - 0.97]
Ischaemic heart disease (410-414)	86 / 95.91 0.90 [0.72 - 1.11]	280 / 283.04 0.99 [0.88 - 1.11]	366 / 378.95 0.97 [0.87 - 1.07]
DIS. OF RESPIRATORY SYSTEM (460-519)	15 / 25.40 0.59 [0.33 - 0.97]	91 / 93.80 0.97 [0.78 - 1.19]	106 / 119.20 0.89 [0.73 - 1.08]
DIS. OF DIGESTIVE SYSTEM (520-579)	11 / 15.89 0.69 [0.35 - 1.24]	39 / 54.54 0.72 [0.51 - 0.98]	50 / 70.44 0.71 [0.53 - 0.94]
Liver cirrhosis (571)	1 / 3.62 0.28 [0.01 - 1.54]	13 / 16.27 0.80 [0.43 - 1.37]	14 / 19.89 0.70 [0.38 - 1.18]
EXTERNAL CAUSES (E800-999)	11 / 21.54 0.51 [0.25 - 0.91]	89 / 103.43 0.86 [0.69 - 1.06]	100 / 124.97 0.80 [0.65 - 0.97]

Table 2.4.5
Mortality from selected causes by ever employment in "recycled paper/paperboard pulp production" department

TOTAL COHORT

ever employment in "recycled paper/paperboard pulp production" department	Ever	Never	Total
ALL CAUSES	97 / 118.96 0.82 [0.66 - 0.99]	17519 / 19132.51 0.92 [0.90 - 0.93]	17616 / 19251.46 0.92 [0.90 - 0.93]
ALL MALIGNANT NEOPLASMS (140-208)	30 / 29.30 1.02 [0.69 - 1.46]	4283 / 4598.69 0.93 [0.90 - 0.96]	4313 / 4627.99 0.93 [0.90 - 0.96]
Oral cavity & pharynx (140-149)	0 / 0.64 0.00 [0.00 - 5.78]	80 / 106.63 0.75 [0.59 - 0.93]	80 / 107.27 0.75 [0.59 - 0.93]
Stomach (151)	5 / 2.92 1.71 [0.56 - 3.99]	375 / 457.16 0.82 [0.74 - 0.91]	380 / 460.08 0.83 [0.74 - 0.91]
Liver (155)	1 / 0.82 1.22 [0.03 - 6.81]	72 / 95.41 0.75 [0.59 - 0.95]	73 / 96.23 0.76 [0.59 - 0.95]
Larynx (161)	0 / 0.44 0.00 [0.00 - 8.42]	61 / 60.81 1.00 [0.77 - 1.29]	61 / 61.25 1.00 [0.76 - 1.28]
Lung (162)	12 / 8.97 1.34 [0.69 - 2.34]	1101 / 1079.03 1.02 [0.96 - 1.08]	1113 / 1088.00 1.02 [0.96 - 1.08]
Pleura (163)	0 / 0.11 0.00 [0.00 - 34.9]	35 / 18.55 1.89 [1.31 - 2.62]	35 / 18.66 1.88 [1.31 - 2.61]
Soft tissue (171)	1 / 0.09 11.10 [0.28 - 61.9]	22 / 18.86 1.17 [0.73 - 1.77]	23 / 18.95 1.21 [0.77 - 1.82]
Bladder (188)	2 / 1.02 1.95 [0.24 - 7.05]	159 / 153.26 1.04 [0.88 - 1.21]	161 / 154.29 1.04 [0.89 - 1.22]
Lymphatic & hematopoietic tissue (200-208)	2 / 2.15 0.93 [0.11 - 3.37]	342 / 376.47 0.91 [0.81 - 1.01]	344 / 378.61 0.91 [0.82 - 1.01]
Non-Hodgkins lymphoma (200,202)	0 / 0.57 0.00 [0.00 - 6.52]	106 / 109.50 0.97 [0.79 - 1.17]	106 / 110.07 0.96 [0.79 - 1.16]
Hodgkins disease (201)	1 / 0.21 4.75 [0.12 - 26.5]	34 / 35.35 0.96 [0.67 - 1.34]	35 / 35.56 0.98 [0.69 - 1.37]
Multiple myeloma (203)	1 / 0.34 2.97 [0.07 - 16.6]	69 / 74.36 0.93 [0.72 - 1.17]	70 / 74.69 0.94 [0.73 - 1.18]
Leukemia & aleukemia (204-208)	0 / 0.92 0.00 [0.00 - 4.02]	133 / 152.79 0.87 [0.73 - 1.03]	133 / 153.70 0.87 [0.72 - 1.03]
MENTAL DISORDERS (290-319)	2 / 1.02 1.97 [0.24 - 7.11]	151 / 206.29 0.73 [0.62 - 0.86]	153 / 207.31 0.74 [0.63 - 0.86]
DIS. OF CIRCULATORY SYSTEM (390-459)	35 / 50.33 0.70 [0.48 - 0.97]	8073 / 8581.48 0.94 [0.92 - 0.96]	8108 / 8631.80 0.94 [0.92 - 0.96]
Ischaemic heart disease (410-414)	23 / 30.80 0.75 [0.47 - 1.12]	5032 / 5289.35 0.95 [0.93 - 0.98]	5055 / 5320.15 0.95 [0.92 - 0.98]
DIS. OF RESPIRATORY SYSTEM (460-519)	8 / 8.56 0.94 [0.40 - 1.84]	1023 / 1263.35 0.81 [0.76 - 0.86]	1031 / 1271.90 0.81 [0.76 - 0.86]
DIS. OF DIGESTIVE SYSTEM (520-579)	1 / 4.36 0.23 [0.01 - 1.28]	602 / 698.90 0.86 [0.79 - 0.93]	603 / 703.26 0.86 [0.79 - 0.93]
Liver cirrhosis (571)	1 / 1.83 0.55 [0.01 - 3.04]	253 / 270.46 0.94 [0.82 - 1.06]	254 / 272.29 0.93 [0.82 - 1.05]
EXTERNAL CAUSES (E800-999)	10 / 14.71 0.68 [0.33 - 1.25]	1612 / 1916.34 0.84 [0.80 - 0.88]	1622 / 1931.05 0.84 [0.80 - 0.88]

Table 2.4.6
Mortality from selected causes by ever employment in "recycled paper/paperboard pulp production" department

TOTAL COHORT
Men

ever employment in "recycled paper/paperboard pulp production" department	Ever	Never	Total
ALL CAUSES	94 / 116.59 0.81 [0.65 - 0.99]	15807 / 17194.95 0.92 [0.91 - 0.93]	15901 / 17311.55 0.92 [0.90 - 0.93]
ALL MALIGNANT NEOPLASMS (140-208)	29 / 28.51 1.02 [0.68 - 1.46]	3754 / 4039.09 0.93 [0.90 - 0.96]	3783 / 4067.59 0.93 [0.90 - 0.96]
Oral cavity & pharynx (140-149)	0 / 0.63 0.00 [0.00 - 5.84]	76 / 101.14 0.75 [0.59 - 0.94]	76 / 101.77 0.75 [0.59 - 0.93]
Stomach (151)	5 / 2.88 1.73 [0.56 - 4.05]	343 / 417.19 0.82 [0.74 - 0.91]	348 / 420.07 0.83 [0.74 - 0.92]
Liver (155)	1 / 0.79 1.27 [0.03 - 7.06]	62 / 85.16 0.73 [0.56 - 0.93]	63 / 85.95 0.73 [0.56 - 0.94]
Larynx (161)	0 / 0.44 0.00 [0.00 - 8.48]	60 / 59.73 1.00 [0.77 - 1.29]	60 / 60.16 1.00 [0.76 - 1.28]
Lung (162)	12 / 8.89 1.35 [0.70 - 2.36]	1035 / 1028.16 1.01 [0.95 - 1.07]	1047 / 1037.05 1.01 [0.95 - 1.07]
Pleura (163)	0 / 0.11 0.00 [0.00 - 35.0]	31 / 17.59 1.76 [1.20 - 2.50]	31 / 17.70 1.75 [1.19 - 2.49]
Soft tissue (171)	1 / 0.09 11.30 [0.28 - 62.7]	16 / 16.40 0.98 [0.56 - 1.58]	17 / 16.49 1.03 [0.60 - 1.65]
Bladder (188)	2 / 1.02 1.96 [0.24 - 7.09]	150 / 145.41 1.03 [0.87 - 1.21]	152 / 146.43 1.04 [0.88 - 1.22]
Lymphatic & hematopoietic tissue (200-208)	2 / 2.08 0.96 [0.12 - 3.48]	307 / 332.86 0.92 [0.82 - 1.03]	309 / 334.93 0.92 [0.82 - 1.03]
Non-Hodgkins lymphoma (200,202)	0 / 0.56 0.00 [0.00 - 6.59]	97 / 96.92 1.00 [0.81 - 1.22]	97 / 97.48 1.00 [0.81 - 1.21]
Hodgkins disease (201)	1 / 0.20 5.03 [0.13 - 28.0]	29 / 31.46 0.92 [0.62 - 1.32]	30 / 31.66 0.95 [0.64 - 1.35]
Multiple myeloma (203)	1 / 0.33 2.99 [0.07 - 16.7]	62 / 65.75 0.94 [0.72 - 1.21]	63 / 66.09 0.95 [0.73 - 1.22]
Leukemia & aleukemia (204-208)	0 / 0.88 0.00 [0.00 - 4.19]	119 / 134.83 0.88 [0.73 - 1.06]	119 / 135.71 0.88 [0.73 - 1.05]
MENTAL DISORDERS (290-319)	2 / 1.00 2.01 [0.24 - 7.25]	143 / 178.57 0.80 [0.67 - 0.94]	145 / 179.57 0.81 [0.68 - 0.95]
DIS. OF CIRCULATORY SYSTEM (390-459)	33 / 49.75 0.66 [0.46 - 0.93]	7337 / 7764.40 0.94 [0.92 - 0.97]	7370 / 7814.16 0.94 [0.92 - 0.96]
Ischaemic heart disease (410-414)	22 / 30.62 0.72 [0.45 - 1.09]	4667 / 4909.76 0.95 [0.92 - 0.98]	4689 / 4940.38 0.95 [0.92 - 0.98]
DIS. OF RESPIRATORY SYSTEM (460-519)	8 / 8.45 0.95 [0.41 - 1.86]	916 / 1143.50 0.80 [0.75 - 0.85]	924 / 1151.95 0.80 [0.75 - 0.86]
DIS. OF DIGESTIVE SYSTEM (520-579)	1 / 4.27 0.23 [0.01 - 1.31]	550 / 627.89 0.88 [0.80 - 0.95]	551 / 632.15 0.87 [0.80 - 0.95]
Liver cirrhosis (571)	1 / 1.80 0.55 [0.01 - 3.09]	238 / 250.34 0.95 [0.83 - 1.08]	239 / 252.15 0.95 [0.83 - 1.08]
EXTERNAL CAUSES (E800-999)	10 / 14.32 0.70 [0.33 - 1.28]	1510 / 1790.36 0.84 [0.80 - 0.89]	1520 / 1804.68 0.84 [0.80 - 0.89]

Table 2.4.6
Mortality from selected causes by ever employment in "recycled paper/paperboard pulp production" department

TOTAL COHORT
Women

ever employment in "recycled paper/paperboard pulp production" department	Ever	Never	Total
ALL CAUSES	3 / 2.36 1.27 [0.26 - 3.71]	1712 / 1937.55 0.88 [0.84 - 0.93]	1715 / 1939.91 0.88 [0.84 - 0.93]
ALL MALIGNANT NEOPLASMS (140-208)	1 / 0.79 1.26 [0.03 - 7.03]	529 / 559.60 0.95 [0.87 - 1.03]	530 / 560.39 0.95 [0.87 - 1.03]
Oral cavity & pharynx (140-149)	0 / 0.01 0.00 [0.00 - 0512]	4 / 5.49 0.73 [0.20 - 1.87]	4 / 5.50 0.73 [0.20 - 1.86]
Stomach (151)	0 / 0.04 0.00 [0.00 - 88.6]	32 / 39.97 0.80 [0.55 - 1.13]	32 / 40.01 0.80 [0.55 - 1.13]
Liver (155)	0 / 0.03 0.00 [0.00 - 0129]	10 / 10.26 0.97 [0.47 - 1.79]	10 / 10.29 0.97 [0.47 - 1.79]
Larynx (161)	0 / 0.00 0.00 [0.00 - 1227]	1 / 1.09 0.92 [0.02 - 5.13]	1 / 1.09 0.92 [0.02 - 5.11]
Lung (162)	0 / 0.08 0.00 [0.00 - 47.5]	66 / 50.87 1.30 [1.00 - 1.65]	66 / 50.95 1.30 [1.00 - 1.65]
Pleura (163)	0 / 0.00 0.00 [0.00 - 01E4]	4 / 0.96 4.17 [1.14 - 10.7]	4 / 0.96 4.16 [1.13 - 10.7]
Soft tissue (171)	0 / 0.00 0.00 [0.00 - 3167]	6 / 2.46 2.44 [0.89 - 5.30]	6 / 2.46 2.43 [0.89 - 5.30]
Bladder (188)	0 / 0.00 0.00 [0.00 - 0762]	9 / 7.85 1.15 [0.52 - 2.18]	9 / 7.86 1.15 [0.52 - 2.17]
Lymphatic & hematopoietic tissue (200-208)	0 / 0.07 0.00 [0.00 - 52.6]	35 / 43.61 0.80 [0.56 - 1.12]	35 / 43.68 0.80 [0.56 - 1.11]
Non-Hodgkins lymphoma (200,202)	0 / 0.01 0.00 [0.00 - 0681]	9 / 12.58 0.72 [0.33 - 1.36]	9 / 12.59 0.72 [0.33 - 1.36]
Hodgkins disease (201)	0 / 0.01 0.00 [0.00 - 0308]	5 / 3.89 1.29 [0.42 - 3.00]	5 / 3.90 1.28 [0.42 - 2.99]
Multiple myeloma (203)	0 / 0.00 0.00 [0.00 - 1603]	7 / 8.60 0.81 [0.33 - 1.68]	7 / 8.60 0.81 [0.33 - 1.68]
Leukemia & aleukemia (204-208)	0 / 0.04 0.00 [0.00 - 0100]	14 / 17.96 0.78 [0.43 - 1.31]	14 / 18.00 0.78 [0.43 - 1.31]
MENTAL DISORDERS (290-319)	0 / 0.02 0.00 [0.00 - 0195]	8 / 27.72 0.29 [0.12 - 0.57]	8 / 27.74 0.29 [0.12 - 0.57]
DIS. OF CIRCULATORY SYSTEM (390-459)	2 / 0.57 3.48 [0.42 - 12.6]	736 / 817.07 0.90 [0.84 - 0.97]	738 / 817.65 0.90 [0.84 - 0.97]
Ischaemic heart disease (410-414)	1 / 0.18 5.60 [0.14 - 31.2]	365 / 379.59 0.96 [0.87 - 1.07]	366 / 379.77 0.96 [0.87 - 1.07]
DIS. OF RESPIRATORY SYSTEM (460-519)	0 / 0.10 0.00 [0.00 - 36.7]	107 / 119.85 0.89 [0.73 - 1.08]	107 / 119.95 0.89 [0.73 - 1.08]
DIS. OF DIGESTIVE SYSTEM (520-579)	0 / 0.09 0.00 [0.00 - 39.2]	52 / 71.02 0.73 [0.55 - 0.96]	52 / 71.11 0.73 [0.55 - 0.96]
Liver cirrhosis (571)	0 / 0.03 0.00 [0.00 - 0127]	15 / 20.11 0.75 [0.42 - 1.23]	15 / 20.14 0.74 [0.42 - 1.23]
EXTERNAL CAUSES (E800-999)	0 / 0.39 0.00 [0.00 - 9.37]	102 / 125.98 0.81 [0.66 - 0.98]	102 / 126.38 0.81 [0.66 - 0.98]

Table 2.4.7
Mortality from selected causes by ever employment in "recycled paper/paperboard pulp production" department

TOTAL COHORT Excluding Brazil.South Africa

ever employment in "recycled paper/paperboard pulp production" department	Ever	Never	Total
ALL CAUSES	97 / 118.96 0.82 [0.66 - 0.99]	17310 / 18864.40 0.92 [0.90 - 0.93]	17407 / 18983.35 0.92 [0.90 - 0.93]
ALL MALIGNANT NEOPLASMS (140-208)	30 / 29.30 1.02 [0.69 - 1.46]	4253 / 4574.49 0.93 [0.90 - 0.96]	4283 / 4603.79 0.93 [0.90 - 0.96]
Oral cavity & pharynx (140-149)	0 / 0.64 0.00 [0.00 - 5.78]	79 / 105.09 0.75 [0.60 - 0.94]	79 / 105.73 0.75 [0.59 - 0.93]
Stomach (151)	5 / 2.92 1.71 [0.56 - 3.99]	375 / 453.53 0.83 [0.75 - 0.91]	380 / 456.45 0.83 [0.75 - 0.92]
Liver (155)	1 / 0.82 1.22 [0.03 - 6.81]	72 / 92.69 0.78 [0.61 - 0.98]	73 / 93.51 0.78 [0.61 - 0.98]
Larynx (161)	0 / 0.44 0.00 [0.00 - 8.42]	59 / 59.81 0.99 [0.75 - 1.27]	59 / 60.25 0.98 [0.75 - 1.26]
Lung (162)	12 / 8.97 1.34 [0.69 - 2.34]	1088 / 1075.45 1.01 [0.95 - 1.07]	1100 / 1084.41 1.01 [0.96 - 1.08]
Pleura (163)	0 / 0.11 0.00 [0.00 - 34.9]	35 / 18.55 1.89 [1.31 - 2.62]	35 / 18.66 1.88 [1.31 - 2.61]
Soft tissue (171)	1 / 0.09 11.10 [0.28 - 61.9]	22 / 18.86 1.17 [0.73 - 1.77]	23 / 18.95 1.21 [0.77 - 1.82]
Bladder (188)	2 / 1.02 1.95 [0.24 - 7.05]	159 / 152.94 1.04 [0.88 - 1.21]	161 / 153.96 1.05 [0.89 - 1.22]
Lymphatic & hematopoietic tissue (200-208)	2 / 2.15 0.93 [0.11 - 3.37]	338 / 374.14 0.90 [0.81 - 1.01]	340 / 376.28 0.90 [0.81 - 1.00]
Non-Hodgkins lymphoma (200,202)	0 / 0.57 0.00 [0.00 - 6.52]	105 / 109.50 0.96 [0.78 - 1.16]	105 / 110.07 0.95 [0.78 - 1.15]
Hodgkins disease (201)	1 / 0.21 4.75 [0.12 - 26.5]	34 / 35.35 0.96 [0.67 - 1.34]	35 / 35.56 0.98 [0.69 - 1.37]
Multiple myeloma (203)	1 / 0.34 2.97 [0.07 - 16.6]	68 / 74.36 0.91 [0.71 - 1.16]	69 / 74.69 0.92 [0.72 - 1.17]
Leukemia & aleukemia (204-208)	0 / 0.92 0.00 [0.00 - 4.02]	131 / 151.64 0.86 [0.72 - 1.03]	131 / 152.56 0.86 [0.72 - 1.02]
MENTAL DISORDERS (290-319)	2 / 1.02 1.97 [0.24 - 7.11]	151 / 203.49 0.74 [0.63 - 0.87]	153 / 204.51 0.75 [0.63 - 0.88]
DIS. OF CIRCULATORY SYSTEM (390-459)	35 / 50.33 0.70 [0.48 - 0.97]	8045 / 8515.45 0.94 [0.92 - 0.97]	8080 / 8565.78 0.94 [0.92 - 0.96]
Ischaemic heart disease (410-414)	23 / 30.80 0.75 [0.47 - 1.12]	5022 / 5268.10 0.95 [0.93 - 0.98]	5045 / 5298.90 0.95 [0.93 - 0.98]
DIS. OF RESPIRATORY SYSTEM (460-519)	8 / 8.56 0.94 [0.40 - 1.84]	1013 / 1249.80 0.81 [0.76 - 0.86]	1021 / 1258.35 0.81 [0.76 - 0.86]
DIS. OF DIGESTIVE SYSTEM (520-579)	1 / 4.36 0.23 [0.01 - 1.28]	587 / 680.43 0.86 [0.79 - 0.94]	588 / 684.79 0.86 [0.79 - 0.93]
Liver cirrhosis (571)	1 / 1.83 0.55 [0.01 - 3.04]	244 / 259.93 0.94 [0.82 - 1.06]	245 / 261.76 0.94 [0.82 - 1.06]
EXTERNAL CAUSES (E800-999)	10 / 14.71 0.68 [0.33 - 1.25]	1578 / 1844.44 0.86 [0.81 - 0.90]	1588 / 1859.15 0.85 [0.81 - 0.90]

Table 2.4.8
Mortality from selected causes by ever employment in "recycled paper/paperboard pulp production" department

TOTAL COHORT Excluding Brazil, South Africa
Men

ever employment in "recycled paper/paperboard pulp production" department	Ever	Never	Total
ALL CAUSES	94 / 116.59 0.81 [0.65 - 0.99]	15609 / 16940.54 0.92 [0.91 - 0.94]	15703 / 17057.13 0.92 [0.91 - 0.94]
ALL MALIGNANT NEOPLASMS (140-208)	29 / 28.51 1.02 [0.68 - 1.46]	3724 / 4017.03 0.93 [0.90 - 0.96]	3753 / 4045.54 0.93 [0.90 - 0.96]
Oral cavity & pharynx (140-149)	0 / 0.63 0.00 [0.00 - 5.84]	75 / 99.62 0.75 [0.59 - 0.94]	75 / 100.26 0.75 [0.59 - 0.94]
Stomach (151)	5 / 2.88 1.73 [0.56 - 4.05]	343 / 413.70 0.83 [0.74 - 0.92]	348 / 416.58 0.84 [0.75 - 0.93]
Liver (155)	1 / 0.79 1.27 [0.03 - 7.06]	62 / 82.64 0.75 [0.58 - 0.96]	63 / 83.43 0.76 [0.58 - 0.97]
Larynx (161)	0 / 0.44 0.00 [0.00 - 8.48]	58 / 58.74 0.99 [0.75 - 1.28]	58 / 59.17 0.98 [0.74 - 1.27]
Lung (162)	12 / 8.89 1.35 [0.70 - 2.36]	1022 / 1024.68 1.00 [0.94 - 1.06]	1034 / 1033.57 1.00 [0.94 - 1.06]
Pleura (163)	0 / 0.11 0.00 [0.00 - 35.0]	31 / 17.59 1.76 [1.20 - 2.50]	31 / 17.70 1.75 [1.19 - 2.49]
Soft tissue (171)	1 / 0.09 11.30 [0.28 - 62.7]	16 / 16.40 0.98 [0.56 - 1.58]	17 / 16.49 1.03 [0.60 - 1.65]
Bladder (188)	2 / 1.02 1.96 [0.24 - 7.09]	150 / 145.10 1.03 [0.87 - 1.21]	152 / 146.12 1.04 [0.88 - 1.22]
Lymphatic & hematopoietic tissue (200-208)	2 / 2.08 0.96 [0.12 - 3.48]	303 / 330.69 0.92 [0.82 - 1.03]	305 / 332.77 0.92 [0.82 - 1.03]
Non-Hodgkins lymphoma (200,202)	0 / 0.56 0.00 [0.00 - 6.59]	96 / 96.92 0.99 [0.80 - 1.21]	96 / 97.48 0.98 [0.80 - 1.20]
Hodgkins disease (201)	1 / 0.20 5.03 [0.13 - 28.0]	29 / 31.46 0.92 [0.62 - 1.32]	30 / 31.66 0.95 [0.64 - 1.35]
Multiple myeloma (203)	1 / 0.33 2.99 [0.07 - 16.7]	61 / 65.75 0.93 [0.71 - 1.19]	62 / 66.09 0.94 [0.72 - 1.20]
Leukemia & aleukemia (204-208)	0 / 0.88 0.00 [0.00 - 4.19]	117 / 133.77 0.87 [0.72 - 1.05]	117 / 134.65 0.87 [0.72 - 1.04]
MENTAL DISORDERS (290-319)	2 / 1.00 2.01 [0.24 - 7.25]	143 / 175.83 0.81 [0.69 - 0.96]	145 / 176.82 0.82 [0.69 - 0.96]
DIS. OF CIRCULATORY SYSTEM (390-459)	33 / 49.75 0.66 [0.46 - 0.93]	7309 / 7702.42 0.95 [0.93 - 0.97]	7342 / 7752.17 0.95 [0.93 - 0.97]
Ischaemic heart disease (410-414)	22 / 30.62 0.72 [0.45 - 1.09]	4657 / 4889.32 0.95 [0.93 - 0.98]	4679 / 4919.95 0.95 [0.92 - 0.98]
DIS. OF RESPIRATORY SYSTEM (460-519)	8 / 8.45 0.95 [0.41 - 1.86]	907 / 1130.70 0.80 [0.75 - 0.86]	915 / 1139.15 0.80 [0.75 - 0.86]
DIS. OF DIGESTIVE SYSTEM (520-579)	1 / 4.27 0.23 [0.01 - 1.31]	537 / 610.09 0.88 [0.81 - 0.96]	538 / 614.35 0.88 [0.80 - 0.95]
Liver cirrhosis (571)	1 / 1.80 0.55 [0.01 - 3.09]	230 / 240.07 0.96 [0.84 - 1.09]	231 / 241.87 0.96 [0.84 - 1.09]
EXTERNAL CAUSES (E800-999)	10 / 14.32 0.70 [0.33 - 1.28]	1478 / 1719.86 0.86 [0.82 - 0.90]	1488 / 1734.18 0.86 [0.81 - 0.90]

Table 2.4.8
Mortality from selected causes by ever employment in "recycled paper/paperboard pulp production" department

TOTAL COHORT Excluding Brazil.South Africa
Women

ever employment in "recycled paper/paperboard pulp production" department	Ever	Never	Total
ALL CAUSES	3 / 2.36 1.27 [0.26 - 3.71]	1701 / 1923.86 0.88 [0.84 - 0.93]	1704 / 1926.22 0.88 [0.84 - 0.93]
ALL MALIGNANT NEOPLASMS (140-208)	1 / 0.79 1.26 [0.03 - 7.03]	529 / 557.46 0.95 [0.87 - 1.03]	530 / 558.25 0.95 [0.87 - 1.03]
Oral cavity & pharynx (140-149)	0 / 0.01 0.00 [0.00 - 0512]	4 / 5.47 0.73 [0.20 - 1.87]	4 / 5.47 0.73 [0.20 - 1.87]
Stomach (151)	0 / 0.04 0.00 [0.00 - 88.6]	32 / 39.83 0.80 [0.55 - 1.13]	32 / 39.87 0.80 [0.55 - 1.13]
Liver (155)	0 / 0.03 0.00 [0.00 - 0129]	10 / 10.04 1.00 [0.48 - 1.83]	10 / 10.07 0.99 [0.48 - 1.83]
Larynx (161)	0 / 0.00 0.00 [0.00 - 1227]	1 / 1.08 0.93 [0.02 - 5.18]	1 / 1.08 0.93 [0.02 - 5.17]
Lung (162)	0 / 0.08 0.00 [0.00 - 47.5]	66 / 50.76 1.30 [1.01 - 1.65]	66 / 50.84 1.30 [1.00 - 1.65]
Pleura (163)	0 / 0.00 0.00 [0.00 - 01E4]	4 / 0.96 4.17 [1.14 - 10.7]	4 / 0.96 4.16 [1.13 - 10.7]
Soft tissue (171)	0 / 0.00 0.00 [0.00 - 3167]	6 / 2.46 2.44 [0.89 - 5.30]	6 / 2.46 2.43 [0.89 - 5.30]
Bladder (188)	0 / 0.00 0.00 [0.00 - 0762]	9 / 7.84 1.15 [0.52 - 2.18]	9 / 7.84 1.15 [0.52 - 2.18]
Lymphatic & heamatopoietic tissue (200-208)	0 / 0.07 0.00 [0.00 - 52.6]	35 / 43.44 0.81 [0.56 - 1.12]	35 / 43.51 0.80 [0.56 - 1.12]
Non-Hodgkins lymphoma (200,202)	0 / 0.01 0.00 [0.00 - 0681]	9 / 12.58 0.72 [0.33 - 1.36]	9 / 12.59 0.72 [0.33 - 1.36]
Hodgkins disease (201)	0 / 0.01 0.00 [0.00 - 0308]	5 / 3.89 1.29 [0.42 - 3.00]	5 / 3.90 1.28 [0.42 - 2.99]
Multiple myeloma (203)	0 / 0.00 0.00 [0.00 - 1603]	7 / 8.60 0.81 [0.33 - 1.68]	7 / 8.60 0.81 [0.33 - 1.68]
Leukemia & aleukemia (204-208)	0 / 0.04 0.00 [0.00 - 0100]	14 / 17.87 0.78 [0.43 - 1.31]	14 / 17.90 0.78 [0.43 - 1.31]
MENTAL DISORDERS (290-319)	0 / 0.02 0.00 [0.00 - 0195]	8 / 27.67 0.29 [0.12 - 0.57]	8 / 27.68 0.29 [0.12 - 0.57]
DIS. OF CIRCULATORY SYSTEM (390-459)	2 / 0.57 3.48 [0.42 - 12.6]	736 / 813.03 0.91 [0.84 - 0.97]	738 / 813.61 0.91 [0.84 - 0.97]
Ischaemic heart disease (410-414)	1 / 0.18 5.60 [0.14 - 31.2]	365 / 378.77 0.96 [0.87 - 1.07]	366 / 378.95 0.97 [0.87 - 1.07]
DIS. OF RESPIRATORY SYSTEM (460-519)	0 / 0.10 0.00 [0.00 - 36.7]	106 / 119.10 0.89 [0.73 - 1.08]	106 / 119.20 0.89 [0.73 - 1.08]
DIS. OF DIGESTIVE SYSTEM (520-579)	0 / 0.09 0.00 [0.00 - 39.2]	50 / 70.34 0.71 [0.53 - 0.94]	50 / 70.44 0.71 [0.53 - 0.94]
Liver cirrhosis (571)	0 / 0.03 0.00 [0.00 - 0127]	14 / 19.86 0.71 [0.39 - 1.18]	14 / 19.89 0.70 [0.38 - 1.18]
EXTERNAL CAUSES (E800-999)	0 / 0.39 0.00 [0.00 - 9.37]	100 / 124.58 0.80 [0.65 - 0.98]	100 / 124.97 0.80 [0.65 - 0.97]

Table 2.4.9

Mortality from selected causes by ever employment in "paper/paperboard production" department

TOTAL COHORT

ever employment in "paper/paperboard production" department	Ever	Never	Total
ALL CAUSES	5536 / 5871.33 0.94 [0.92 - 0.97]	12080 / 13380.13 0.90 [0.89 - 0.92]	17616 / 19251.46 0.92 [0.90 - 0.93]
ALL MALIGNANT NEOPLASMS (140-208)	1381 / 1480.51 0.93 [0.88 - 0.98]	2932 / 3147.47 0.93 [0.90 - 0.97]	4313 / 4627.99 0.93 [0.90 - 0.96]
Oral cavity & pharynx (140-149)	20 / 36.71 0.54 [0.33 - 0.84]	60 / 70.56 0.85 [0.65 - 1.09]	80 / 107.27 0.75 [0.59 - 0.93]
Stomach (151)	118 / 130.22 0.91 [0.75 - 1.09]	262 / 329.86 0.79 [0.70 - 0.90]	380 / 460.08 0.83 [0.74 - 0.91]
Liver (155)	23 / 28.38 0.81 [0.51 - 1.22]	50 / 67.85 0.74 [0.55 - 0.97]	73 / 96.23 0.76 [0.59 - 0.95]
Larynx (161)	23 / 20.85 1.10 [0.70 - 1.65]	38 / 40.40 0.94 [0.67 - 1.29]	61 / 61.25 1.00 [0.76 - 1.28]
Lung (162)	345 / 352.78 0.98 [0.88 - 1.09]	768 / 735.22 1.04 [0.97 - 1.12]	1113 / 1088.00 1.02 [0.96 - 1.08]
Pleura (163)	3 / 5.99 0.50 [0.10 - 1.46]	32 / 12.66 2.53 [1.73 - 3.57]	35 / 18.66 1.88 [1.31 - 2.61]
Soft tissue (171)	8 / 6.16 1.30 [0.56 - 2.56]	15 / 12.79 1.17 [0.66 - 1.93]	23 / 18.95 1.21 [0.77 - 1.82]
Bladder (188)	51 / 47.73 1.07 [0.80 - 1.40]	110 / 106.55 1.03 [0.85 - 1.24]	161 / 154.29 1.04 [0.89 - 1.22]
Lymphatic & hematopoietic tissue (200-208)	110 / 117.49 0.94 [0.77 - 1.13]	234 / 261.13 0.90 [0.78 - 1.02]	344 / 378.61 0.91 [0.82 - 1.01]
Non-Hodgkins lymphoma (200,202)	27 / 35.02 0.77 [0.51 - 1.12]	79 / 75.04 1.05 [0.83 - 1.31]	106 / 110.07 0.96 [0.79 - 1.16]
Hodgkins disease (201)	15 / 11.74 1.28 [0.71 - 2.11]	20 / 23.82 0.84 [0.51 - 1.30]	35 / 35.56 0.98 [0.69 - 1.37]
Multiple myeloma (203)	25 / 22.22 1.13 [0.73 - 1.66]	45 / 52.47 0.86 [0.63 - 1.15]	70 / 74.69 0.94 [0.73 - 1.18]
Leukemia & aleukemia (204-208)	43 / 47.88 0.90 [0.65 - 1.21]	90 / 105.83 0.85 [0.68 - 1.05]	133 / 153.70 0.87 [0.72 - 1.03]
MENTAL DISORDERS (290-319)	48 / 64.84 0.74 [0.55 - 0.98]	105 / 142.47 0.74 [0.60 - 0.89]	153 / 207.31 0.74 [0.63 - 0.86]
DIS. OF CIRCULATORY SYSTEM (390-459)	2508 / 2546.70 0.98 [0.95 - 1.02]	5600 / 6085.10 0.92 [0.90 - 0.94]	8108 / 8631.80 0.94 [0.92 - 0.96]
Ischaemic heart disease (410-414)	1585 / 1573.88 1.01 [0.96 - 1.06]	3470 / 3746.27 0.93 [0.90 - 0.96]	5055 / 5320.15 0.95 [0.92 - 0.98]
DIS. OF RESPIRATORY SYSTEM (460-519)	325 / 386.06 0.84 [0.75 - 0.94]	706 / 885.84 0.80 [0.74 - 0.86]	1031 / 1271.90 0.81 [0.76 - 0.86]
DIS. OF DIGESTIVE SYSTEM (520-579)	208 / 225.70 0.92 [0.80 - 1.06]	395 / 477.56 0.83 [0.75 - 0.91]	603 / 703.26 0.86 [0.79 - 0.93]
Liver cirrhosis (571)	88 / 92.63 0.95 [0.76 - 1.17]	166 / 179.66 0.92 [0.79 - 1.08]	254 / 272.29 0.93 [0.82 - 1.05]
EXTERNAL CAUSES (E800-999)	552 / 609.30 0.91 [0.83 - 0.98]	1070 / 1321.75 0.81 [0.76 - 0.86]	1622 / 1931.05 0.84 [0.80 - 0.88]

Table 2.4.10

Mortality from selected causes by ever employment in "paper/paperboard production" department

TOTAL COHORT
Men

ever employment in "paper/paperboard production" department	Ever	Never	Total
ALL CAUSES	4634 / 4961.01 0.93 [0.91 - 0.96]	11267 / 12350.54 0.91 [0.90 - 0.93]	15901 / 17311.55 0.92 [0.90 - 0.93]
ALL MALIGNANT NEOPLASMS (140-208)	1108 / 1209.48 0.92 [0.86 - 0.97]	2675 / 2858.11 0.94 [0.90 - 0.97]	3783 / 4067.59 0.93 [0.90 - 0.96]
Oral cavity & pharynx (140-149)	19 / 34.08 0.56 [0.34 - 0.87]	57 / 67.69 0.84 [0.64 - 1.09]	76 / 101.77 0.75 [0.59 - 0.93]
Stomach (151)	99 / 111.91 0.88 [0.72 - 1.08]	249 / 308.16 0.81 [0.71 - 0.91]	348 / 420.07 0.83 [0.74 - 0.92]
Liver (155)	19 / 24.50 0.78 [0.47 - 1.21]	44 / 61.45 0.72 [0.52 - 0.96]	63 / 85.95 0.73 [0.56 - 0.94]
Larynx (161)	22 / 20.31 1.08 [0.68 - 1.64]	38 / 39.85 0.95 [0.67 - 1.31]	60 / 60.16 1.00 [0.76 - 1.28]
Lung (162)	305 / 324.83 0.94 [0.84 - 1.05]	742 / 742.22 1.04 [0.97 - 1.12]	1047 / 1037.05 1.01 [0.95 - 1.07]
Pleura (163)	3 / 5.60 0.54 [0.11 - 1.57]	28 / 12.10 2.31 [1.54 - 3.34]	31 / 17.70 1.75 [1.19 - 2.49]
Soft tissue (171)	5 / 4.98 1.00 [0.33 - 2.34]	12 / 11.50 1.04 [0.54 - 1.82]	17 / 16.49 1.03 [0.60 - 1.65]
Bladder (188)	45 / 43.66 1.03 [0.75 - 1.38]	107 / 102.78 1.04 [0.85 - 1.26]	152 / 146.43 1.04 [0.88 - 1.22]
Lymphatic & hematopoietic tissue (200-208)	89 / 97.35 0.91 [0.73 - 1.12]	220 / 237.58 0.93 [0.81 - 1.06]	309 / 334.93 0.92 [0.82 - 1.03]
Non-Hodgkins lymphoma (200,202)	23 / 29.10 0.79 [0.50 - 1.19]	74 / 68.38 1.08 [0.85 - 1.36]	97 / 97.48 1.00 [0.81 - 1.21]
Hodgkins disease (201)	12 / 9.80 1.22 [0.63 - 2.14]	18 / 21.86 0.82 [0.49 - 1.30]	30 / 31.66 0.95 [0.64 - 1.35]
Multiple myeloma (203)	20 / 18.27 1.09 [0.67 - 1.69]	43 / 47.82 0.90 [0.65 - 1.21]	63 / 66.09 0.95 [0.73 - 1.22]
Leukemia & aleukemia (204-208)	34 / 39.66 0.86 [0.59 - 1.20]	85 / 96.05 0.88 [0.71 - 1.09]	119 / 135.71 0.88 [0.73 - 1.05]
MENTAL DISORDERS (290-319)	44 / 53.76 0.82 [0.59 - 1.10]	101 / 125.80 0.80 [0.65 - 0.98]	145 / 179.57 0.81 [0.68 - 0.95]
DIS. OF CIRCULATORY SYSTEM (390-459)	2111 / 2166.73 0.97 [0.93 - 1.02]	5259 / 5647.43 0.93 [0.91 - 0.96]	7370 / 7814.16 0.94 [0.92 - 0.96]
Ischaemic heart disease (410-414)	1377 / 1389.78 0.99 [0.94 - 1.04]	3312 / 3550.60 0.93 [0.90 - 0.97]	4689 / 4940.38 0.95 [0.92 - 0.98]
DIS. OF RESPIRATORY SYSTEM (460-519)	260 / 326.60 0.80 [0.70 - 0.90]	664 / 825.36 0.80 [0.74 - 0.87]	924 / 1151.95 0.80 [0.75 - 0.86]
DIS. OF DIGESTIVE SYSTEM (520-579)	184 / 193.18 0.95 [0.82 - 1.10]	367 / 438.98 0.84 [0.75 - 0.93]	551 / 632.15 0.87 [0.80 - 0.95]
Liver cirrhosis (571)	81 / 84.11 0.96 [0.76 - 1.20]	158 / 168.03 0.94 [0.80 - 1.10]	239 / 252.15 0.95 [0.83 - 1.08]
EXTERNAL CAUSES (E800-999)	505 / 551.38 0.92 [0.84 - 1.00]	1015 / 1253.30 0.81 [0.76 - 0.86]	1520 / 1804.68 0.84 [0.80 - 0.89]

Table 2.4.10

Mortality from selected causes by ever employment in "paper/paperboard production" department

TOTAL COHORT**Women**

ever employment in "paper/paperboard production" department	Ever	Never	Total
ALL CAUSES	902 / 910.33 0.99 [0.93 - 1.06]	813 / 1029.59 0.79 [0.74 - 0.85]	1715 / 1939.91 0.88 [0.84 - 0.93]
ALL MALIGNANT NEOPLASMS (140-208)	273 / 271.03 1.01 [0.89 - 1.13]	257 / 289.36 0.89 [0.78 - 1.00]	530 / 560.39 0.95 [0.87 - 1.03]
Oral cavity & pharynx (140-149)	1 / 2.63 0.38 [0.01 - 2.12]	3 / 2.87 1.05 [0.22 - 3.06]	4 / 5.50 0.73 [0.20 - 1.86]
Stomach (151)	19 / 18.31 1.04 [0.62 - 1.62]	13 / 21.70 0.60 [0.32 - 1.02]	32 / 40.01 0.80 [0.55 - 1.13]
Liver (155)	4 / 3.89 1.03 [0.28 - 2.64]	6 / 6.40 0.94 [0.34 - 2.04]	10 / 10.29 0.97 [0.47 - 1.79]
Larynx (161)	1 / 0.54 1.84 [0.05 - 10.3]	0 / 0.55 0.00 [0.00 - 6.75]	1 / 1.09 0.92 [0.02 - 5.11]
Lung (162)	40 / 27.96 1.43 [1.02 - 1.95]	26 / 22.99 1.13 [0.74 - 1.66]	66 / 50.95 1.30 [1.00 - 1.65]
Pleura (163)	0 / 0.40 0.00 [0.00 - 9.29]	4 / 0.56 7.10 [1.93 - 18.2]	4 / 0.96 4.16 [1.13 - 10.7]
Soft tissue (171)	3 / 1.18 2.54 [0.52 - 7.43]	3 / 1.28 2.33 [0.48 - 6.82]	6 / 2.46 2.43 [0.89 - 5.30]
Bladder (188)	6 / 4.08 1.47 [0.54 - 3.20]	3 / 3.78 0.79 [0.16 - 2.32]	9 / 7.86 1.15 [0.52 - 2.17]
Lymphatic & hematopoietic tissue (200-208)	21 / 20.13 1.04 [0.65 - 1.59]	14 / 23.55 0.59 [0.33 - 1.00]	35 / 43.68 0.80 [0.56 - 1.11]
Non-Hodgkins lymphoma (200,202)	4 / 5.92 0.68 [0.18 - 1.73]	5 / 6.66 0.75 [0.24 - 1.75]	9 / 12.59 0.72 [0.33 - 1.36]
Hodgkins disease (201)	3 / 1.94 1.55 [0.32 - 4.52]	2 / 1.96 1.02 [0.12 - 3.68]	5 / 3.90 1.28 [0.42 - 2.99]
Multiple myeloma (203)	5 / 3.95 1.27 [0.41 - 2.95]	2 / 4.65 0.43 [0.05 - 1.55]	7 / 8.60 0.81 [0.33 - 1.68]
Leukemia & aleukemia (204-208)	9 / 8.22 1.10 [0.50 - 2.08]	5 / 9.78 0.51 [0.17 - 1.19]	14 / 18.00 0.78 [0.43 - 1.31]
MENTAL DISORDERS (290-319)	4 / 11.07 0.36 [0.10 - 0.92]	4 / 16.67 0.24 [0.07 - 0.61]	8 / 27.74 0.29 [0.12 - 0.57]
DIS. OF CIRCULATORY SYSTEM (390-459)	397 / 379.98 1.04 [0.94 - 1.15]	341 / 437.67 0.78 [0.70 - 0.87]	738 / 817.65 0.90 [0.84 - 0.97]
Ischaemic heart disease (410-414)	208 / 184.10 1.13 [0.98 - 1.29]	158 / 195.67 0.81 [0.69 - 0.94]	366 / 379.77 0.96 [0.87 - 1.07]
DIS. OF RESPIRATORY SYSTEM (460-519)	65 / 59.46 1.09 [0.84 - 1.39]	42 / 60.49 0.69 [0.50 - 0.94]	107 / 119.95 0.89 [0.73 - 1.08]
DIS. OF DIGESTIVE SYSTEM (520-579)	24 / 32.52 0.74 [0.47 - 1.10]	28 / 38.59 0.73 [0.48 - 1.05]	52 / 71.11 0.73 [0.55 - 0.96]
Liver cirrhosis (571)	7 / 8.51 0.82 [0.33 - 1.69]	8 / 11.63 0.69 [0.30 - 1.36]	15 / 20.14 0.74 [0.42 - 1.23]
EXTERNAL CAUSES (E800-999)	47 / 57.93 0.81 [0.60 - 1.08]	55 / 68.45 0.80 [0.61 - 1.05]	102 / 126.38 0.81 [0.66 - 0.98]

Table 2.4.11

Mortality from selected causes by ever employment in "paper/paperboard production" department

TOTAL COHORT Excluding Brazil,South Africa

ever employment in "paper/paperboard production" department	Ever	Never	Total
ALL CAUSES	5535 / 5864.14 0.94 [0.92 - 0.97]	11872 / 13119.21 0.90 [0.89 - 0.92]	17407 / 18983.35 0.92 [0.90 - 0.93]
ALL MALIGNANT NEOPLASMS (140-208)	1381 / 1479.98 0.93 [0.88 - 0.98]	2902 / 3123.81 0.93 [0.90 - 0.96]	4283 / 4603.79 0.93 [0.90 - 0.96]
Oral cavity & pharynx (140-149)	20 / 36.68 0.55 [0.33 - 0.84]	59 / 69.05 0.85 [0.65 - 1.10]	79 / 105.73 0.75 [0.59 - 0.93]
Stomach (151)	118 / 130.15 0.91 [0.75 - 1.09]	262 / 326.30 0.80 [0.71 - 0.91]	380 / 456.45 0.83 [0.75 - 0.92]
Liver (155)	23 / 28.32 0.81 [0.51 - 1.22]	50 / 65.18 0.77 [0.57 - 1.01]	73 / 93.51 0.78 [0.61 - 0.98]
Larynx (161)	23 / 20.84 1.10 [0.70 - 1.66]	36 / 39.42 0.91 [0.64 - 1.26]	59 / 60.25 0.98 [0.75 - 1.26]
Lung (162)	345 / 352.72 0.98 [0.88 - 1.09]	755 / 731.70 1.03 [0.96 - 1.11]	1100 / 1084.41 1.01 [0.96 - 1.08]
Pleura (163)	3 / 5.99 0.50 [0.10 - 1.46]	32 / 12.66 2.53 [1.73 - 3.57]	35 / 18.66 1.88 [1.31 - 2.61]
Soft tissue (171)	8 / 6.16 1.30 [0.56 - 2.56]	15 / 12.79 1.17 [0.66 - 1.93]	23 / 18.95 1.21 [0.77 - 1.82]
Bladder (188)	51 / 47.73 1.07 [0.80 - 1.40]	110 / 106.23 1.04 [0.85 - 1.25]	161 / 153.96 1.05 [0.89 - 1.22]
Lymphatic & hematopoietic tissue (200-208)	110 / 117.42 0.94 [0.77 - 1.13]	230 / 258.86 0.89 [0.78 - 1.01]	340 / 376.28 0.90 [0.81 - 1.00]
Non-Hodgkins lymphoma (200,202)	27 / 35.02 0.77 [0.51 - 1.12]	78 / 75.04 1.04 [0.82 - 1.30]	105 / 110.07 0.95 [0.78 - 1.15]
Hodgkins disease (201)	15 / 11.74 1.28 [0.71 - 2.11]	20 / 23.82 0.84 [0.51 - 1.30]	35 / 35.56 0.98 [0.69 - 1.37]
Multiple myeloma (203)	25 / 22.22 1.13 [0.73 - 1.66]	44 / 52.47 0.84 [0.61 - 1.13]	69 / 74.69 0.92 [0.72 - 1.17]
Leukemia & aleukemia (204-208)	43 / 47.84 0.90 [0.65 - 1.21]	88 / 104.71 0.84 [0.67 - 1.04]	131 / 152.56 0.86 [0.72 - 1.02]
MENTAL DISORDERS (290-319)	48 / 64.75 0.74 [0.55 - 0.98]	105 / 139.76 0.75 [0.61 - 0.91]	153 / 204.51 0.75 [0.63 - 0.88]
DIS. OF CIRCULATORY SYSTEM (390-459)	2508 / 2545.27 0.99 [0.95 - 1.02]	5572 / 6020.51 0.93 [0.90 - 0.95]	8080 / 8565.78 0.94 [0.92 - 0.96]
Ischaemic heart disease (410-414)	1585 / 1573.44 1.01 [0.96 - 1.06]	3460 / 3725.46 0.93 [0.90 - 0.96]	5045 / 5298.90 0.95 [0.93 - 0.98]
DIS. OF RESPIRATORY SYSTEM (460-519)	325 / 385.74 0.84 [0.75 - 0.94]	696 / 872.61 0.80 [0.74 - 0.86]	1021 / 1258.35 0.81 [0.76 - 0.86]
DIS. OF DIGESTIVE SYSTEM (520-579)	208 / 225.20 0.92 [0.80 - 1.06]	380 / 459.59 0.83 [0.75 - 0.91]	588 / 684.79 0.86 [0.79 - 0.93]
Liver cirrhosis (571)	88 / 92.33 0.95 [0.76 - 1.17]	157 / 169.43 0.93 [0.79 - 1.08]	245 / 261.76 0.94 [0.82 - 1.06]
EXTERNAL CAUSES (E800-999)	551 / 606.82 0.91 [0.83 - 0.99]	1037 / 1252.33 0.83 [0.78 - 0.88]	1588 / 1859.15 0.85 [0.81 - 0.90]

Table 2.4.12

Mortality from selected causes by ever employment in "paper/paperboard production" department

TOTAL COHORT Excluding Brazil.South Africa
Men

ever employment in "paper/paperboard production" department	Ever	Never	Total
ALL CAUSES	4633 / 4954.30 0.94 [0.91 - 0.96]	11070 / 12102.83 0.91 [0.90 - 0.93]	15703 / 17057.13 0.92 [0.91 - 0.94]
ALL MALIGNANT NEOPLASMS (140-208)	1108 / 1209.03 0.92 [0.86 - 0.97]	2645 / 2836.51 0.93 [0.90 - 0.97]	3753 / 4045.54 0.93 [0.90 - 0.96]
Oral cavity & pharynx (140-149)	19 / 34.05 0.56 [0.34 - 0.87]	56 / 66.21 0.85 [0.64 - 1.10]	75 / 100.26 0.75 [0.59 - 0.94]
Stomach (151)	99 / 111.84 0.89 [0.72 - 1.08]	249 / 304.74 0.82 [0.72 - 0.93]	348 / 416.58 0.84 [0.75 - 0.93]
Liver (155)	19 / 24.44 0.78 [0.47 - 1.21]	44 / 58.99 0.75 [0.54 - 1.00]	63 / 83.43 0.76 [0.58 - 0.97]
Larynx (161)	22 / 20.29 1.08 [0.68 - 1.64]	36 / 38.88 0.93 [0.65 - 1.28]	58 / 59.17 0.98 [0.74 - 1.27]
Lung (162)	305 / 324.76 0.94 [0.84 - 1.05]	729 / 708.81 1.03 [0.96 - 1.11]	1034 / 1033.57 1.00 [0.94 - 1.06]
Pleura (163)	3 / 5.60 0.54 [0.11 - 1.57]	28 / 12.10 2.31 [1.54 - 3.34]	31 / 17.70 1.75 [1.19 - 2.49]
Soft tissue (171)	5 / 4.98 1.00 [0.33 - 2.34]	12 / 11.50 1.04 [0.54 - 1.82]	17 / 16.49 1.03 [0.60 - 1.65]
Bladder (188)	45 / 43.65 1.03 [0.75 - 1.38]	107 / 102.47 1.04 [0.86 - 1.26]	152 / 146.12 1.04 [0.88 - 1.22]
Lymphatic & hematopoietic tissue (200-208)	89 / 97.30 0.91 [0.73 - 1.13]	216 / 235.47 0.92 [0.80 - 1.05]	305 / 332.77 0.92 [0.82 - 1.03]
Non-Hodgkins lymphoma (200,202)	23 / 29.10 0.79 [0.50 - 1.19]	73 / 68.38 1.07 [0.84 - 1.34]	96 / 97.48 0.98 [0.80 - 1.20]
Hodgkins disease (201)	12 / 9.80 1.22 [0.63 - 2.14]	18 / 21.86 0.82 [0.49 - 1.30]	30 / 31.66 0.95 [0.64 - 1.35]
Multiple myeloma (203)	20 / 18.27 1.09 [0.67 - 1.69]	42 / 47.82 0.88 [0.63 - 1.19]	62 / 66.09 0.94 [0.72 - 1.20]
Leukemia & aleukemia (204-208)	34 / 39.63 0.86 [0.59 - 1.20]	83 / 95.02 0.87 [0.70 - 1.08]	117 / 134.65 0.87 [0.72 - 1.04]
MENTAL DISORDERS (290-319)	44 / 53.68 0.82 [0.60 - 1.10]	101 / 123.14 0.82 [0.67 - 1.00]	145 / 176.82 0.82 [0.69 - 0.96]
DIS. OF CIRCULATORY SYSTEM (390-459)	2111 / 2165.43 0.97 [0.93 - 1.02]	5231 / 5586.74 0.94 [0.91 - 0.96]	7342 / 7752.17 0.95 [0.93 - 0.97]
Ischaemic heart disease (410-414)	1377 / 1389.37 0.99 [0.94 - 1.04]	3302 / 3530.58 0.94 [0.90 - 0.97]	4679 / 4919.95 0.95 [0.92 - 0.98]
DIS. OF RESPIRATORY SYSTEM (460-519)	260 / 326.30 0.80 [0.70 - 0.90]	655 / 812.85 0.81 [0.75 - 0.87]	915 / 1139.15 0.80 [0.75 - 0.86]
DIS. OF DIGESTIVE SYSTEM (520-579)	184 / 192.71 0.95 [0.82 - 1.10]	354 / 421.65 0.84 [0.75 - 0.93]	538 / 614.35 0.88 [0.80 - 0.95]
Liver cirrhosis (571)	81 / 83.83 0.97 [0.77 - 1.20]	150 / 158.04 0.95 [0.80 - 1.11]	231 / 241.87 0.96 [0.84 - 1.09]
EXTERNAL CAUSES (E800-999)	504 / 548.95 0.92 [0.84 - 1.00]	984 / 1185.23 0.83 [0.78 - 0.88]	1488 / 1734.18 0.86 [0.81 - 0.90]

Table 2.4.12

Mortality from selected causes by ever employment in "paper/paperboard production" department

TOTAL COHORT Excluding Brazil.South Africa
Women

ever employment in "paper/paperboard production" department	Ever	Never	Total
ALL CAUSES	902 / 909.84 0.99 [0.93 - 1.06]	802 / 1016.38 0.79 [0.74 - 0.85]	1704 / 1926.22 0.88 [0.84 - 0.93]
ALL MALIGNANT NEOPLASMS (140-208)	273 / 270.95 1.01 [0.89 - 1.13]	257 / 287.30 0.89 [0.79 - 1.01]	530 / 558.25 0.95 [0.87 - 1.03]
Oral cavity & pharynx (140-149)	1 / 2.63 0.38 [0.01 - 2.12]	3 / 2.84 1.05 [0.22 - 3.08]	4 / 5.47 0.73 [0.20 - 1.87]
Stomach (151)	19 / 18.31 1.04 [0.62 - 1.62]	13 / 21.56 0.60 [0.32 - 1.03]	32 / 39.87 0.80 [0.55 - 1.13]
Liver (155)	4 / 3.88 1.03 [0.28 - 2.64]	6 / 6.19 0.97 [0.36 - 2.11]	10 / 10.07 0.99 [0.48 - 1.83]
Larynx (161)	1 / 0.54 1.84 [0.05 - 10.3]	0 / 0.53 0.00 [0.00 - 6.90]	1 / 1.08 0.93 [0.02 - 5.17]
Lung (162)	40 / 27.95 1.43 [1.02 - 1.95]	26 / 22.89 1.14 [0.74 - 1.66]	66 / 50.84 1.30 [1.00 - 1.65]
Pleura (163)	0 / 0.40 0.00 [0.00 - 9.29]	4 / 0.56 7.10 [1.93 - 18.2]	4 / 0.96 4.16 [1.13 - 10.7]
Soft tissue (171)	3 / 1.18 2.54 [0.52 - 7.43]	3 / 1.28 2.33 [0.48 - 6.82]	6 / 2.46 2.43 [0.89 - 5.30]
Bladder (188)	6 / 4.08 1.47 [0.54 - 3.20]	3 / 3.77 0.80 [0.16 - 2.33]	9 / 7.84 1.15 [0.52 - 2.18]
Lymphatic & hematopoietic tissue (200-208)	21 / 20.13 1.04 [0.65 - 1.59]	14 / 23.39 0.60 [0.33 - 1.00]	35 / 43.51 0.80 [0.56 - 1.12]
Non-Hodgkins lymphoma (200,202)	4 / 5.92 0.68 [0.18 - 1.73]	5 / 6.66 0.75 [0.24 - 1.75]	9 / 12.59 0.72 [0.33 - 1.36]
Hodgkins disease (201)	3 / 1.94 1.55 [0.32 - 4.52]	2 / 1.96 1.02 [0.12 - 3.68]	5 / 3.90 1.28 [0.42 - 2.99]
Multiple myeloma (203)	5 / 3.95 1.27 [0.41 - 2.95]	2 / 4.65 0.43 [0.05 - 1.55]	7 / 8.60 0.81 [0.33 - 1.68]
Leukemia & aleukemia (204-208)	9 / 8.21 1.10 [0.50 - 2.08]	5 / 9.69 0.52 [0.17 - 1.20]	14 / 17.90 0.78 [0.43 - 1.31]
MENTAL DISORDERS (290-319)	4 / 11.07 0.36 [0.10 - 0.93]	4 / 16.61 0.24 [0.07 - 0.62]	8 / 27.68 0.29 [0.12 - 0.57]
DIS. OF CIRCULATORY SYSTEM (390-459)	397 / 379.84 1.05 [0.94 - 1.15]	341 / 433.77 0.79 [0.70 - 0.87]	738 / 813.61 0.91 [0.84 - 0.97]
Ischaemic heart disease (410-414)	208 / 184.07 1.13 [0.98 - 1.29]	158 / 194.88 0.81 [0.69 - 0.95]	366 / 378.95 0.97 [0.87 - 1.07]
DIS. OF RESPIRATORY SYSTEM (460-519)	65 / 59.44 1.09 [0.84 - 1.39]	41 / 59.76 0.69 [0.49 - 0.93]	106 / 119.20 0.89 [0.73 - 1.08]
DIS. OF DIGESTIVE SYSTEM (520-579)	24 / 32.50 0.74 [0.47 - 1.10]	26 / 37.94 0.69 [0.45 - 1.00]	50 / 70.44 0.71 [0.53 - 0.94]
Liver cirrhosis (571)	7 / 8.50 0.82 [0.33 - 1.70]	7 / 11.38 0.61 [0.25 - 1.27]	14 / 19.89 0.70 [0.38 - 1.18]
EXTERNAL CAUSES (E800-999)	47 / 57.87 0.81 [0.60 - 1.08]	53 / 67.10 0.79 [0.59 - 1.03]	100 / 124.97 0.80 [0.65 - 0.97]

Table 2.4.13
Mortality from selected causes by ever employment in "paper/paperboard product manufacture" department

TOTAL COHORT

ever employment in "paper/paperboard product manufacture" department	Ever	Never	Total
ALL CAUSES	453 / 521.55 0.87 [0.79 - 0.95]	17163 / 18729.91 0.92 [0.90 - 0.93]	17616 / 19251.46 0.92 [0.90 - 0.93]
ALL MALIGNANT NEOPLASMS (140-208)	121 / 137.06 0.88 [0.73 - 1.05]	4192 / 4490.93 0.93 [0.91 - 0.96]	4313 / 4627.99 0.93 [0.90 - 0.96]
Oral cavity & pharynx (140-149)	3 / 3.19 0.94 [0.19 - 2.75]	77 / 104.08 0.74 [0.58 - 0.92]	80 / 107.27 0.75 [0.59 - 0.93]
Stomach (151)	4 / 8.46 0.47 [0.13 - 1.21]	376 / 451.62 0.83 [0.75 - 0.92]	380 / 460.08 0.83 [0.74 - 0.91]
Liver (155)	3 / 2.86 1.05 [0.22 - 3.06]	70 / 93.37 0.75 [0.58 - 0.95]	73 / 96.23 0.76 [0.59 - 0.95]
Larynx (161)	1 / 1.88 0.53 [0.01 - 2.97]	60 / 59.38 1.01 [0.77 - 1.30]	61 / 61.25 1.00 [0.76 - 1.28]
Lung (162)	32 / 32.06 1.00 [0.68 - 1.41]	1081 / 1055.94 1.02 [0.96 - 1.09]	1113 / 1088.00 1.02 [0.96 - 1.08]
Pleura (163)	1 / 0.62 1.61 [0.04 - 8.95]	34 / 18.04 1.89 [1.31 - 2.63]	35 / 18.66 1.88 [1.31 - 2.61]
Soft tissue (171)	1 / 0.56 1.80 [0.05 - 10.0]	22 / 18.40 1.20 [0.75 - 1.81]	23 / 18.95 1.21 [0.77 - 1.82]
Bladder (188)	4 / 3.95 1.01 [0.28 - 2.59]	157 / 150.33 1.04 [0.89 - 1.22]	161 / 154.29 1.04 [0.89 - 1.22]
Lymphatic & hematopoietic tissue (200-208)	9 / 11.59 0.78 [0.36 - 1.47]	335 / 367.02 0.91 [0.82 - 1.02]	344 / 378.61 0.91 [0.82 - 1.01]
Non-Hodgkins lymphoma (200,202)	3 / 3.20 0.94 [0.19 - 2.74]	103 / 106.87 0.96 [0.79 - 1.17]	106 / 110.07 0.96 [0.79 - 1.16]
Hodgkins disease (201)	2 / 1.21 1.65 [0.20 - 5.96]	33 / 34.35 0.96 [0.66 - 1.35]	35 / 35.56 0.98 [0.69 - 1.37]
Multiple myeloma (203)	0 / 1.75 0.00 [0.00 - 2.11]	70 / 72.94 0.96 [0.75 - 1.21]	70 / 74.69 0.94 [0.73 - 1.18]
Leukemia & aleukemia (204-208)	4 / 5.05 0.79 [0.22 - 2.03]	129 / 148.66 0.87 [0.72 - 1.03]	133 / 153.70 0.87 [0.72 - 1.03]
MENTAL DISORDERS (290-319)	4 / 6.07 0.66 [0.18 - 1.69]	149 / 201.23 0.74 [0.63 - 0.87]	153 / 207.31 0.74 [0.63 - 0.86]
DIS. OF CIRCULATORY SYSTEM (390-459)	184 / 195.40 0.94 [0.81 - 1.09]	7924 / 8436.40 0.94 [0.92 - 0.96]	8108 / 8631.80 0.94 [0.92 - 0.96]
Ischaemic heart disease (410-414)	130 / 118.98 1.09 [0.91 - 1.30]	4925 / 5201.16 0.95 [0.92 - 0.97]	5055 / 5320.15 0.95 [0.92 - 0.98]
DIS. OF RESPIRATORY SYSTEM (460-519)	20 / 26.90 0.74 [0.45 - 1.15]	1011 / 1245.00 0.81 [0.76 - 0.86]	1031 / 1271.90 0.81 [0.76 - 0.86]
DIS. OF DIGESTIVE SYSTEM (520-579)	20 / 22.53 0.89 [0.54 - 1.37]	583 / 680.74 0.86 [0.79 - 0.93]	603 / 703.26 0.86 [0.79 - 0.93]
Liver cirrhosis (571)	9 / 11.52 0.78 [0.36 - 1.48]	245 / 260.77 0.94 [0.83 - 1.06]	254 / 272.29 0.93 [0.82 - 1.05]
EXTERNAL CAUSES (E800-999)	63 / 79.99 0.79 [0.61 - 1.01]	1559 / 1851.06 0.84 [0.80 - 0.89]	1622 / 1931.05 0.84 [0.80 - 0.88]

Table 2.4.14
Mortality from selected causes by ever employment in "paper/paperboard product manufacture" department

TOTAL COHORT
Men

ever employment in "paper/paperboard product manufacture" department	Ever	Never	Total
ALL CAUSES	361 / 398.69 0.91 [0.81 - 1.00]	15540 / 16912.86 0.92 [0.90 - 0.93]	15901 / 17311.55 0.92 [0.90 - 0.93]
ALL MALIGNANT NEOPLASMS (140-208)	89 / 96.23 0.92 [0.74 - 1.14]	3694 / 3971.36 0.93 [0.90 - 0.96]	3783 / 4067.59 0.93 [0.90 - 0.96]
Oral cavity & pharynx (140-149)	3 / 2.79 1.08 [0.22 - 3.14]	73 / 98.98 0.74 [0.58 - 0.93]	76 / 101.77 0.75 [0.59 - 0.93]
Stomach (151)	4 / 6.25 0.64 [0.17 - 1.64]	344 / 413.82 0.83 [0.75 - 0.92]	348 / 420.07 0.83 [0.74 - 0.92]
Liver (155)	3 / 1.89 1.58 [0.33 - 4.63]	60 / 84.05 0.71 [0.54 - 0.92]	63 / 85.95 0.73 [0.56 - 0.94]
Larynx (161)	1 / 1.78 0.56 [0.01 - 3.13]	59 / 58.38 1.01 [0.77 - 1.30]	60 / 60.16 1.00 [0.76 - 1.28]
Lung (162)	29 / 28.66 1.01 [0.68 - 1.45]	1018 / 1008.39 1.01 [0.95 - 1.07]	1047 / 1037.05 1.01 [0.95 - 1.07]
Pleura (163)	0 / 0.55 0.00 [0.00 - 6.69]	31 / 17.15 1.81 [1.23 - 2.57]	31 / 17.70 1.75 [1.19 - 2.49]
Soft tissue (171)	1 / 0.39 2.56 [0.06 - 14.2]	16 / 16.10 0.99 [0.57 - 1.61]	17 / 16.49 1.03 [0.60 - 1.65]
Bladder (188)	4 / 3.52 1.14 [0.31 - 2.91]	148 / 142.91 1.04 [0.88 - 1.22]	152 / 146.43 1.04 [0.88 - 1.22]
Lymphatic & hematopoietic tissue (200-208)	7 / 8.24 0.85 [0.34 - 1.75]	302 / 326.69 0.92 [0.82 - 1.03]	309 / 334.93 0.92 [0.82 - 1.03]
Non-Hodgkins lymphoma (200,202)	2 / 2.40 0.83 [0.10 - 3.01]	95 / 95.08 1.00 [0.81 - 1.22]	97 / 97.48 1.00 [0.81 - 1.21]
Hodgkins disease (201)	2 / 0.87 2.29 [0.28 - 8.28]	28 / 30.79 0.91 [0.60 - 1.31]	30 / 31.66 0.95 [0.64 - 1.35]
Multiple myeloma (203)	0 / 1.23 0.00 [0.00 - 3.00]	63 / 64.86 0.97 [0.75 - 1.24]	63 / 66.09 0.95 [0.73 - 1.22]
Leukemia & aleukemia (204-208)	3 / 3.54 0.85 [0.18 - 2.48]	116 / 132.17 0.88 [0.73 - 1.05]	119 / 135.71 0.88 [0.73 - 1.05]
MENTAL DISORDERS (290-319)	4 / 4.61 0.87 [0.24 - 2.22]	141 / 174.96 0.81 [0.68 - 0.95]	145 / 179.57 0.81 [0.68 - 0.95]
DIS. OF CIRCULATORY SYSTEM (390-459)	144 / 154.35 0.93 [0.79 - 1.10]	7226 / 7659.80 0.94 [0.92 - 0.97]	7370 / 7814.16 0.94 [0.92 - 0.96]
Ischaemic heart disease (410-414)	107 / 101.06 1.06 [0.87 - 1.28]	4582 / 4839.32 0.95 [0.92 - 0.97]	4689 / 4940.38 0.95 [0.92 - 0.98]
DIS. OF RESPIRATORY SYSTEM (460-519)	17 / 21.17 0.80 [0.47 - 1.29]	907 / 1130.78 0.80 [0.75 - 0.86]	924 / 1151.95 0.80 [0.75 - 0.86]
DIS. OF DIGESTIVE SYSTEM (520-579)	18 / 17.21 1.05 [0.62 - 1.65]	533 / 614.95 0.87 [0.79 - 0.94]	551 / 632.15 0.87 [0.80 - 0.95]
Liver cirrhosis (571)	8 / 9.41 0.85 [0.37 - 1.68]	231 / 242.74 0.95 [0.83 - 1.08]	239 / 252.15 0.95 [0.83 - 1.08]
EXTERNAL CAUSES (E800-999)	57 / 67.19 0.85 [0.64 - 1.10]	1463 / 1737.48 0.84 [0.80 - 0.89]	1520 / 1804.68 0.84 [0.80 - 0.89]

Table 2.4.14
Mortality from selected causes by ever employment in "paper/paperboard product manufacture" department

TOTAL COHORT
Women

ever employment in "paper/paperboard product manufacture" department	Ever	Never	Total
ALL CAUSES	92 / 122.86 0.75 [0.60 - 0.92]	1623 / 1817.06 0.89 [0.85 - 0.94]	1715 / 1939.91 0.88 [0.84 - 0.93]
ALL MALIGNANT NEOPLASMS (140-208)	32 / 40.83 0.78 [0.54 - 1.11]	498 / 519.57 0.96 [0.88 - 1.05]	530 / 560.39 0.95 [0.87 - 1.03]
Oral cavity & pharynx (140-149)	0 / 0.40 0.00 [0.00 - 9.27]	4 / 5.10 0.78 [0.21 - 2.01]	4 / 5.50 0.73 [0.20 - 1.86]
Stomach (151)	0 / 2.21 0.00 [0.00 - 1.67]	32 / 37.80 0.85 [0.58 - 1.20]	32 / 40.01 0.80 [0.55 - 1.13]
Liver (155)	0 / 0.97 0.00 [0.00 - 3.80]	10 / 9.32 1.07 [0.51 - 1.97]	10 / 10.29 0.97 [0.47 - 1.79]
Larynx (161)	0 / 0.10 0.00 [0.00 - 38.4]	1 / 0.99 1.01 [0.03 - 5.61]	1 / 1.09 0.92 [0.02 - 5.11]
Lung (162)	3 / 3.40 0.88 [0.18 - 2.58]	63 / 47.55 1.32 [1.02 - 1.70]	66 / 50.95 1.30 [1.00 - 1.65]
Pleura (163)	1 / 0.07 14.00 [0.35 - 78.2]	3 / 0.89 3.37 [0.70 - 9.86]	4 / 0.96 4.16 [1.13 - 10.7]
Soft tissue (171)	0 / 0.16 0.00 [0.00 - 22.4]	6 / 2.30 2.61 [0.96 - 5.68]	6 / 2.46 2.43 [0.89 - 5.30]
Bladder (188)	0 / 0.43 0.00 [0.00 - 8.53]	9 / 7.42 1.21 [0.55 - 2.30]	9 / 7.86 1.15 [0.52 - 2.17]
Lymphatic & hematopoietic tissue (200-208)	2 / 3.35 0.60 [0.07 - 2.16]	33 / 40.33 0.82 [0.56 - 1.15]	35 / 43.68 0.80 [0.56 - 1.11]
Non-Hodgkins lymphoma (200,202)	1 / 0.80 1.25 [0.03 - 6.99]	8 / 11.79 0.68 [0.29 - 1.34]	9 / 12.59 0.72 [0.33 - 1.36]
Hodgkins disease (201)	0 / 0.34 0.00 [0.00 - 10.8]	5 / 3.56 1.40 [0.46 - 3.28]	5 / 3.90 1.28 [0.42 - 2.99]
Multiple myeloma (203)	0 / 0.52 0.00 [0.00 - 7.12]	7 / 8.09 0.87 [0.35 - 1.78]	7 / 8.60 0.81 [0.33 - 1.68]
Leukemia & aleukemia (204-208)	1 / 1.51 0.66 [0.02 - 3.69]	13 / 16.49 0.79 [0.42 - 1.35]	14 / 18.00 0.78 [0.43 - 1.31]
MENTAL DISORDERS (290-319)	0 / 1.46 0.00 [0.00 - 2.52]	8 / 26.28 0.30 [0.13 - 0.60]	8 / 27.74 0.29 [0.12 - 0.57]
DIS. OF CIRCULATORY SYSTEM (390-459)	40 / 41.05 0.97 [0.70 - 1.33]	698 / 776.60 0.90 [0.83 - 0.97]	738 / 817.65 0.90 [0.84 - 0.97]
Ischaemic heart disease (410-414)	23 / 17.92 1.28 [0.81 - 1.93]	343 / 361.84 0.95 [0.85 - 1.05]	366 / 379.77 0.96 [0.87 - 1.07]
DIS. OF RESPIRATORY SYSTEM (460-519)	3 / 5.73 0.52 [0.11 - 1.53]	104 / 114.22 0.91 [0.74 - 1.10]	107 / 119.95 0.89 [0.73 - 1.08]
DIS. OF DIGESTIVE SYSTEM (520-579)	2 / 5.32 0.38 [0.05 - 1.36]	50 / 65.79 0.76 [0.56 - 1.00]	52 / 71.11 0.73 [0.55 - 0.96]
Liver cirrhosis (571)	1 / 2.11 0.47 [0.01 - 2.64]	14 / 18.03 0.78 [0.42 - 1.30]	15 / 20.14 0.74 [0.42 - 1.23]
EXTERNAL CAUSES (E800-999)	6 / 12.80 0.47 [0.17 - 1.02]	96 / 113.58 0.85 [0.68 - 1.03]	102 / 126.38 0.81 [0.66 - 0.98]

Table 2.4.15
Mortality from selected causes by ever employment in "paper/paperboard product manufacture" department

TOTAL COHORT Excluding Brazil.South Africa

ever employment in "paper/paperboard product manufacture" department	Ever	Never	Total
ALL CAUSES	453 / 521.55 0.87 [0.79 - 0.95]	16954 / 18461.80 0.92 [0.90 - 0.93]	17407 / 18983.35 0.92 [0.90 - 0.93]
ALL MALIGNANT NEOPLASMS (140-208)	121 / 137.06 0.88 [0.73 - 1.05]	4162 / 4466.73 0.93 [0.90 - 0.96]	4283 / 4603.79 0.93 [0.90 - 0.96]
Oral cavity & pharynx (140-149)	3 / 3.19 0.94 [0.19 - 2.75]	76 / 102.54 0.74 [0.58 - 0.93]	79 / 105.73 0.75 [0.59 - 0.93]
Stomach (151)	4 / 8.46 0.47 [0.13 - 1.21]	376 / 447.99 0.84 [0.76 - 0.93]	380 / 456.45 0.83 [0.75 - 0.92]
Liver (155)	3 / 2.86 1.05 [0.22 - 3.06]	70 / 90.64 0.77 [0.60 - 0.98]	73 / 93.51 0.78 [0.61 - 0.98]
Larynx (161)	1 / 1.88 0.53 [0.01 - 2.97]	58 / 58.37 0.99 [0.75 - 1.28]	59 / 60.25 0.98 [0.75 - 1.26]
Lung (162)	32 / 32.06 1.00 [0.68 - 1.41]	1068 / 1052.35 1.01 [0.95 - 1.08]	1100 / 1084.41 1.01 [0.96 - 1.08]
Pleura (163)	1 / 0.62 1.61 [0.04 - 8.95]	34 / 18.04 1.89 [1.31 - 2.63]	35 / 18.66 1.88 [1.31 - 2.61]
Soft tissue (171)	1 / 0.56 1.80 [0.05 - 10.0]	22 / 18.40 1.20 [0.75 - 1.81]	23 / 18.95 1.21 [0.77 - 1.82]
Bladder (188)	4 / 3.95 1.01 [0.28 - 2.59]	157 / 150.01 1.05 [0.89 - 1.22]	161 / 153.96 1.05 [0.89 - 1.22]
Lymphatic & hematopoietic tissue (200-208)	9 / 11.59 0.78 [0.36 - 1.47]	331 / 364.69 0.91 [0.81 - 1.01]	340 / 376.28 0.90 [0.81 - 1.00]
Non-Hodgkins lymphoma (200,202)	3 / 3.20 0.94 [0.19 - 2.74]	102 / 106.87 0.95 [0.78 - 1.16]	105 / 110.07 0.95 [0.78 - 1.15]
Hodgkins disease (201)	2 / 1.21 1.65 [0.20 - 5.96]	33 / 34.35 0.96 [0.66 - 1.35]	35 / 35.56 0.98 [0.69 - 1.37]
Multiple myeloma (203)	0 / 1.75 0.00 [0.00 - 2.11]	69 / 72.94 0.95 [0.74 - 1.20]	69 / 74.69 0.92 [0.72 - 1.17]
Leukemia & aleukemia (204-208)	4 / 5.05 0.79 [0.22 - 2.03]	127 / 147.51 0.86 [0.72 - 1.02]	131 / 152.56 0.86 [0.72 - 1.02]
MENTAL DISORDERS (290-319)	4 / 6.07 0.66 [0.18 - 1.69]	149 / 198.43 0.75 [0.64 - 0.88]	153 / 204.51 0.75 [0.63 - 0.88]
DIS. OF CIRCULATORY SYSTEM (390-459)	184 / 195.40 0.94 [0.81 - 1.09]	7896 / 8370.38 0.94 [0.92 - 0.96]	8080 / 8565.78 0.94 [0.92 - 0.96]
Ischaemic heart disease (410-414)	130 / 118.98 1.09 [0.91 - 1.30]	4915 / 5179.92 0.95 [0.92 - 0.98]	5045 / 5298.90 0.95 [0.93 - 0.98]
DIS. OF RESPIRATORY SYSTEM (460-519)	20 / 26.90 0.74 [0.45 - 1.15]	1001 / 1231.45 0.81 [0.76 - 0.86]	1021 / 1258.35 0.81 [0.76 - 0.86]
DIS. OF DIGESTIVE SYSTEM (520-579)	20 / 22.53 0.89 [0.54 - 1.37]	568 / 662.26 0.86 [0.79 - 0.93]	588 / 684.79 0.86 [0.79 - 0.93]
Liver cirrhosis (571)	9 / 11.52 0.78 [0.36 - 1.48]	236 / 250.24 0.94 [0.83 - 1.07]	245 / 261.76 0.94 [0.82 - 1.06]
EXTERNAL CAUSES (E800-999)	63 / 79.99 0.79 [0.61 - 1.01]	1525 / 1779.16 0.86 [0.81 - 0.90]	1588 / 1859.15 0.85 [0.81 - 0.90]

Table 2.4.16
Mortality from selected causes by ever employment in "paper/paperboard product manufacture" department

TOTAL COHORT Excluding Brazil.South Africa
Men

ever employment in "paper/paperboard product manufacture" department	Ever	Never	Total
ALL CAUSES	361 / 398.69 0.91 [0.81 - 1.00]	15342 / 16658.44 0.92 [0.91 - 0.94]	15703 / 17057.13 0.92 [0.91 - 0.94]
ALL MALIGNANT NEOPLASMS (140-208)	89 / 96.23 0.92 [0.74 - 1.14]	3664 / 3949.31 0.93 [0.90 - 0.96]	3753 / 4045.54 0.93 [0.90 - 0.96]
Oral cavity & pharynx (140-149)	3 / 2.79 1.08 [0.22 - 3.14]	72 / 97.47 0.74 [0.58 - 0.93]	75 / 100.26 0.75 [0.59 - 0.94]
Stomach (151)	4 / 6.25 0.64 [0.17 - 1.64]	344 / 410.34 0.84 [0.75 - 0.93]	348 / 416.58 0.84 [0.75 - 0.93]
Liver (155)	3 / 1.89 1.58 [0.33 - 4.63]	60 / 81.54 0.74 [0.56 - 0.95]	63 / 83.43 0.76 [0.58 - 0.97]
Larynx (161)	1 / 1.78 0.56 [0.01 - 3.13]	57 / 57.39 0.99 [0.75 - 1.29]	58 / 59.17 0.98 [0.74 - 1.27]
Lung (162)	29 / 28.66 1.01 [0.68 - 1.45]	1005 / 1004.91 1.00 [0.94 - 1.06]	1034 / 1033.57 1.00 [0.94 - 1.06]
Pleura (163)	0 / 0.55 0.00 [0.00 - 6.69]	31 / 17.15 1.81 [1.23 - 2.57]	31 / 17.70 1.75 [1.19 - 2.49]
Soft tissue (171)	1 / 0.39 2.56 [0.06 - 14.2]	16 / 16.10 0.99 [0.57 - 1.61]	17 / 16.49 1.03 [0.60 - 1.65]
Bladder (188)	4 / 3.52 1.14 [0.31 - 2.91]	148 / 142.60 1.04 [0.88 - 1.22]	152 / 146.12 1.04 [0.88 - 1.22]
Lymphatic & hematopoietic tissue (200-208)	7 / 8.24 0.85 [0.34 - 1.75]	298 / 324.53 0.92 [0.82 - 1.03]	305 / 332.77 0.92 [0.82 - 1.03]
Non-Hodgkins lymphoma (200,202)	2 / 2.40 0.83 [0.10 - 3.01]	94 / 95.08 0.99 [0.80 - 1.21]	96 / 97.48 0.98 [0.80 - 1.20]
Hodgkins disease (201)	2 / 0.87 2.29 [0.28 - 8.28]	28 / 30.79 0.91 [0.60 - 1.31]	30 / 31.66 0.95 [0.64 - 1.35]
Multiple myeloma (203)	0 / 1.23 0.00 [0.00 - 3.00]	62 / 64.86 0.96 [0.73 - 1.23]	62 / 66.09 0.94 [0.72 - 1.20]
Leukemia & aleukemia (204-208)	3 / 3.54 0.85 [0.18 - 2.48]	114 / 131.12 0.87 [0.72 - 1.04]	117 / 134.65 0.87 [0.72 - 1.04]
MENTAL DISORDERS (290-319)	4 / 4.61 0.87 [0.24 - 2.22]	141 / 172.21 0.82 [0.69 - 0.97]	145 / 176.82 0.82 [0.69 - 0.96]
DIS. OF CIRCULATORY SYSTEM (390-459)	144 / 154.35 0.93 [0.79 - 1.10]	7198 / 7597.82 0.95 [0.93 - 0.97]	7342 / 7752.17 0.95 [0.93 - 0.97]
Ischaemic heart disease (410-414)	107 / 101.06 1.06 [0.87 - 1.28]	4572 / 4818.89 0.95 [0.92 - 0.98]	4679 / 4919.95 0.95 [0.92 - 0.98]
DIS. OF RESPIRATORY SYSTEM (460-519)	17 / 21.17 0.80 [0.47 - 1.29]	898 / 1117.98 0.80 [0.75 - 0.86]	915 / 1139.15 0.80 [0.75 - 0.86]
DIS. OF DIGESTIVE SYSTEM (520-579)	18 / 17.21 1.05 [0.62 - 1.65]	520 / 597.14 0.87 [0.80 - 0.95]	538 / 614.35 0.88 [0.80 - 0.95]
Liver cirrhosis (571)	8 / 9.41 0.85 [0.37 - 1.68]	223 / 232.47 0.96 [0.84 - 1.09]	231 / 241.87 0.96 [0.84 - 1.09]
EXTERNAL CAUSES (E800-999)	57 / 67.19 0.85 [0.64 - 1.10]	1431 / 1666.99 0.86 [0.81 - 0.90]	1488 / 1734.18 0.86 [0.81 - 0.90]

Table 2.4.16
Mortality from selected causes by ever employment in "paper/paperboard product manufacture" department

TOTAL COHORT Excluding Brazil.South Africa
Women

ever employment in "paper/paperboard product manufacture" department	Ever	Never	Total
ALL CAUSES	92 / 122.86 0.75 [0.60 - 0.92]	1612 / 1803.36 0.89 [0.85 - 0.94]	1704 / 1926.22 0.88 [0.84 - 0.93]
ALL MALIGNANT NEOPLASMS (140-208)	32 / 40.83 0.78 [0.54 - 1.11]	498 / 517.42 0.96 [0.88 - 1.05]	530 / 558.25 0.95 [0.87 - 1.03]
Oral cavity & pharynx (140-149)	0 / 0.40 0.00 [0.00 - 9.27]	4 / 5.08 0.79 [0.21 - 2.02]	4 / 5.47 0.73 [0.20 - 1.87]
Stomach (151)	0 / 2.21 0.00 [0.00 - 1.67]	32 / 37.65 0.85 [0.58 - 1.20]	32 / 39.87 0.80 [0.55 - 1.13]
Liver (155)	0 / 0.97 0.00 [0.00 - 3.80]	10 / 9.10 1.10 [0.53 - 2.02]	10 / 10.07 0.99 [0.48 - 1.83]
Larynx (161)	0 / 0.10 0.00 [0.00 - 38.4]	1 / 0.98 1.02 [0.03 - 5.67]	1 / 1.08 0.93 [0.02 - 5.17]
Lung (162)	3 / 3.40 0.88 [0.18 - 2.58]	63 / 47.44 1.33 [1.02 - 1.70]	66 / 50.84 1.30 [1.00 - 1.65]
Pleura (163)	1 / 0.07 14.00 [0.35 - 78.2]	3 / 0.89 3.37 [0.70 - 9.86]	4 / 0.96 4.16 [1.13 - 10.7]
Soft tissue (171)	0 / 0.16 0.00 [0.00 - 22.4]	6 / 2.30 2.61 [0.96 - 5.68]	6 / 2.46 2.43 [0.89 - 5.30]
Bladder (188)	0 / 0.43 0.00 [0.00 - 8.53]	9 / 7.41 1.21 [0.56 - 2.31]	9 / 7.84 1.15 [0.52 - 2.18]
Lymphatic & hematopoietic tissue (200-208)	2 / 3.35 0.60 [0.07 - 2.16]	33 / 40.17 0.82 [0.57 - 1.15]	35 / 43.51 0.80 [0.56 - 1.12]
Non-Hodgkins lymphoma (200,202)	1 / 0.80 1.25 [0.03 - 6.99]	8 / 11.79 0.68 [0.29 - 1.34]	9 / 12.59 0.72 [0.33 - 1.36]
Hodgkins disease (201)	0 / 0.34 0.00 [0.00 - 10.8]	5 / 3.56 1.40 [0.46 - 3.28]	5 / 3.90 1.28 [0.42 - 2.99]
Multiple myeloma (203)	0 / 0.52 0.00 [0.00 - 7.12]	7 / 8.09 0.87 [0.35 - 1.78]	7 / 8.60 0.81 [0.33 - 1.68]
Leukemia & aleukemia (204-208)	1 / 1.51 0.66 [0.02 - 3.69]	13 / 16.39 0.79 [0.42 - 1.36]	14 / 17.90 0.78 [0.43 - 1.31]
MENTAL DISORDERS (290-319)	0 / 1.46 0.00 [0.00 - 2.52]	8 / 26.22 0.31 [0.13 - 0.60]	8 / 27.68 0.29 [0.12 - 0.57]
DIS. OF CIRCULATORY SYSTEM (390-459)	40 / 41.05 0.97 [0.70 - 1.33]	698 / 772.56 0.90 [0.84 - 0.97]	738 / 813.61 0.91 [0.84 - 0.97]
Ischaemic heart disease (410-414)	23 / 17.92 1.28 [0.81 - 1.93]	343 / 361.03 0.95 [0.85 - 1.06]	366 / 378.95 0.97 [0.87 - 1.07]
DIS. OF RESPIRATORY SYSTEM (460-519)	3 / 5.73 0.52 [0.11 - 1.53]	103 / 113.47 0.91 [0.74 - 1.10]	106 / 119.20 0.89 [0.73 - 1.08]
DIS. OF DIGESTIVE SYSTEM (520-579)	2 / 5.32 0.38 [0.05 - 1.36]	48 / 65.12 0.74 [0.54 - 0.98]	50 / 70.44 0.71 [0.53 - 0.94]
Liver cirrhosis (571)	1 / 2.11 0.47 [0.01 - 2.64]	13 / 17.77 0.73 [0.39 - 1.25]	14 / 19.89 0.70 [0.38 - 1.18]
EXTERNAL CAUSES (E800-999)	6 / 12.80 0.47 [0.17 - 1.02]	94 / 112.17 0.84 [0.68 - 1.03]	100 / 124.97 0.80 [0.65 - 0.97]

Table 2.4.17
Mortality from selected causes by ever employment in "non production" department

TOTAL COHORT

ever employment in "non production" department	Ever	Never	Total
ALL CAUSES	8997 / 10628.94 0.85 [0.83 - 0.86]	8619 / 8622.58 1.00 [0.98 - 1.02]	17616 / 19251.52 0.92 [0.90 - 0.93]
ALL MALIGNANT NEOPLASMS (140-208)	2162 / 2465.10 0.88 [0.84 - 0.91]	2151 / 2162.89 0.99 [0.95 - 1.04]	4313 / 4627.99 0.93 [0.90 - 0.96]
Oral cavity & pharynx (140-149)	41 / 58.37 0.70 [0.50 - 0.95]	39 / 48.90 0.80 [0.57 - 1.09]	80 / 107.27 0.75 [0.59 - 0.93]
Stomach (151)	199 / 256.71 0.78 [0.67 - 0.89]	181 / 203.37 0.89 [0.77 - 1.03]	380 / 460.08 0.83 [0.74 - 0.91]
Liver (155)	39 / 51.71 0.75 [0.54 - 1.03]	34 / 44.53 0.76 [0.53 - 1.07]	73 / 96.23 0.76 [0.59 - 0.95]
Larynx (161)	29 / 32.95 0.88 [0.59 - 1.26]	32 / 28.30 1.13 [0.77 - 1.60]	61 / 61.25 1.00 [0.76 - 1.28]
Lung (162)	569 / 590.01 0.96 [0.89 - 1.05]	544 / 497.99 1.09 [1.00 - 1.19]	1113 / 1088.00 1.02 [0.96 - 1.08]
Pleura (163)	21 / 9.77 2.15 [1.33 - 3.29]	14 / 8.89 1.58 [0.86 - 2.64]	35 / 18.66 1.88 [1.31 - 2.61]
Soft tissue (171)	10 / 10.36 0.97 [0.46 - 1.78]	13 / 8.59 1.51 [0.81 - 2.59]	23 / 18.95 1.21 [0.77 - 1.82]
Bladder (188)	83 / 78.74 1.05 [0.84 - 1.31]	78 / 75.55 1.03 [0.82 - 1.29]	161 / 154.29 1.04 [0.89 - 1.22]
Lymphatic & hematopoietic tissue (200-208)	171 / 204.92 0.83 [0.71 - 0.97]	173 / 173.69 1.00 [0.85 - 1.16]	344 / 378.61 0.91 [0.82 - 1.01]
Non-Hodgkins lymphoma (200,202)	52 / 59.20 0.88 [0.66 - 1.15]	54 / 50.87 1.06 [0.80 - 1.39]	106 / 110.07 0.96 [0.79 - 1.16]
Hodgkins disease (201)	15 / 19.34 0.78 [0.43 - 1.28]	20 / 16.22 1.23 [0.75 - 1.90]	35 / 35.56 0.98 [0.69 - 1.37]
Multiple myeloma (203)	40 / 40.13 1.00 [0.71 - 1.36]	30 / 34.56 0.87 [0.59 - 1.24]	70 / 74.69 0.94 [0.73 - 1.18]
Leukemia & aleukemia (204-208)	64 / 82.53 0.78 [0.60 - 0.99]	69 / 71.17 0.97 [0.75 - 1.23]	133 / 153.70 0.87 [0.72 - 1.03]
MENTAL DISORDERS (290-319)	64 / 119.90 0.53 [0.41 - 0.68]	89 / 87.41 1.02 [0.82 - 1.25]	153 / 207.31 0.74 [0.63 - 0.86]
DIS. OF CIRCULATORY SYSTEM (390-459)	4261 / 4803.33 0.89 [0.86 - 0.91]	3847 / 3828.48 1.00 [0.97 - 1.04]	8108 / 8631.81 0.94 [0.92 - 0.96]
Ischaemic heart disease (410-414)	2651 / 2978.41 0.89 [0.86 - 0.92]	2404 / 2341.74 1.03 [0.99 - 1.07]	5055 / 5320.15 0.95 [0.92 - 0.98]
DIS. OF RESPIRATORY SYSTEM (460-519)	520 / 697.01 0.75 [0.68 - 0.81]	511 / 574.89 0.89 [0.81 - 0.97]	1031 / 1271.91 0.81 [0.76 - 0.86]
DIS. OF DIGESTIVE SYSTEM (520-579)	273 / 373.29 0.73 [0.65 - 0.82]	330 / 329.98 1.00 [0.90 - 1.11]	603 / 703.27 0.86 [0.79 - 0.93]
Liver cirrhosis (571)	100 / 137.24 0.73 [0.59 - 0.89]	154 / 135.05 1.14 [0.97 - 1.34]	254 / 272.29 0.93 [0.82 - 1.05]
EXTERNAL CAUSES (E800-999)	832 / 1132.18 0.73 [0.69 - 0.79]	790 / 798.90 0.99 [0.92 - 1.06]	1622 / 1931.08 0.84 [0.80 - 0.88]

Table 2.4.18
Mortality from selected causes by ever employment in "non production" department

TOTAL COHORT
Men

ever employment in "non production" department	Ever	Never	Total
ALL CAUSES	8400 / 9834.54 0.85 [0.84 - 0.87]	7501 / 7477.07 1.00 [0.98 - 1.03]	15901 / 17311.61 0.92 [0.90 - 0.93]
ALL MALIGNANT NEOPLASMS (140-208)	1975 / 2242.96 0.88 [0.84 - 0.92]	1808 / 1824.64 0.99 [0.95 - 1.04]	3783 / 4067.60 0.93 [0.90 - 0.96]
Oral cavity & pharynx (140-149)	38 / 56.15 0.68 [0.48 - 0.93]	38 / 45.62 0.83 [0.59 - 1.14]	76 / 101.77 0.75 [0.59 - 0.93]
Stomach (151)	189 / 239.77 0.79 [0.68 - 0.91]	159 / 180.30 0.88 [0.75 - 1.03]	348 / 420.07 0.83 [0.74 - 0.92]
Liver (155)	35 / 47.04 0.74 [0.52 - 1.03]	28 / 38.91 0.72 [0.48 - 1.04]	63 / 85.95 0.73 [0.56 - 0.94]
Larynx (161)	29 / 32.57 0.89 [0.60 - 1.28]	31 / 27.59 1.12 [0.76 - 1.59]	60 / 60.16 1.00 [0.76 - 1.28]
Lung (162)	549 / 572.85 0.96 [0.88 - 1.04]	498 / 464.19 1.07 [0.98 - 1.17]	1047 / 1037.05 1.01 [0.95 - 1.07]
Pleura (163)	19 / 9.38 2.03 [1.22 - 3.16]	12 / 8.32 1.44 [0.75 - 2.52]	31 / 17.70 1.75 [1.19 - 2.49]
Soft tissue (171)	7 / 9.27 0.76 [0.30 - 1.56]	10 / 7.22 1.39 [0.66 - 2.55]	17 / 16.49 1.03 [0.60 - 1.65]
Bladder (188)	81 / 76.04 1.07 [0.85 - 1.32]	71 / 70.40 1.01 [0.79 - 1.27]	152 / 146.43 1.04 [0.88 - 1.22]
Lymphatic & hematopoietic tissue (200-208)	162 / 186.35 0.87 [0.74 - 1.01]	147 / 148.58 0.99 [0.84 - 1.16]	309 / 334.93 0.92 [0.82 - 1.03]
Non-Hodgkins lymphoma (200,202)	52 / 53.84 0.97 [0.72 - 1.27]	45 / 43.65 1.03 [0.75 - 1.38]	97 / 97.48 1.00 [0.81 - 1.21]
Hodgkins disease (201)	13 / 17.76 0.73 [0.39 - 1.25]	17 / 13.90 1.22 [0.71 - 1.96]	30 / 31.66 0.95 [0.64 - 1.35]
Multiple myeloma (203)	39 / 36.49 1.07 [0.76 - 1.46]	24 / 29.60 0.81 [0.52 - 1.21]	63 / 66.09 0.95 [0.73 - 1.22]
Leukemia & aleukemia (204-208)	58 / 74.96 0.77 [0.59 - 1.00]	61 / 60.75 1.00 [0.77 - 1.29]	119 / 135.71 0.88 [0.73 - 1.05]
MENTAL DISORDERS (290-319)	60 / 105.39 0.57 [0.43 - 0.73]	85 / 74.18 1.15 [0.92 - 1.42]	145 / 179.57 0.81 [0.68 - 0.95]
DIS. OF CIRCULATORY SYSTEM (390-459)	4024 / 4465.32 0.90 [0.87 - 0.93]	3346 / 3348.84 1.00 [0.97 - 1.03]	7370 / 7814.16 0.94 [0.92 - 0.96]
Ischaemic heart disease (410-414)	2534 / 2821.62 0.90 [0.86 - 0.93]	2155 / 2118.76 1.02 [0.97 - 1.06]	4689 / 4940.38 0.95 [0.92 - 0.98]
DIS. OF RESPIRATORY SYSTEM (460-519)	484 / 649.45 0.75 [0.68 - 0.81]	440 / 502.51 0.88 [0.80 - 0.96]	924 / 1151.96 0.80 [0.75 - 0.86]
DIS. OF DIGESTIVE SYSTEM (520-579)	250 / 345.12 0.72 [0.64 - 0.82]	301 / 287.04 1.05 [0.93 - 1.17]	551 / 632.16 0.87 [0.80 - 0.95]
Liver cirrhosis (571)	94 / 129.60 0.73 [0.59 - 0.89]	145 / 122.54 1.18 [1.00 - 1.39]	239 / 252.15 0.95 [0.83 - 1.08]
EXTERNAL CAUSES (E800-999)	783 / 1077.71 0.73 [0.68 - 0.78]	737 / 727.00 1.01 [0.94 - 1.09]	1520 / 1804.71 0.84 [0.80 - 0.89]

Table 2.4.18
Mortality from selected causes by ever employment in "non production" department

TOTAL COHORT
Women

ever employment in "non production" department	Ever	Never	Total
ALL CAUSES	597 / 794.40 0.75 [0.69 - 0.81]	1118 / 1145.51 0.98 [0.92 - 1.03]	1715 / 1939.91 0.88 [0.84 - 0.93]
ALL MALIGNANT NEOPLASMS (140-208)	187 / 222.14 0.84 [0.73 - 0.97]	343 / 338.25 1.01 [0.91 - 1.13]	530 / 560.39 0.95 [0.87 - 1.03]
Oral cavity & pharynx (140-149)	3 / 2.22 1.35 [0.28 - 3.95]	1 / 3.28 0.30 [0.01 - 1.70]	4 / 5.50 0.73 [0.20 - 1.86]
Stomach (151)	10 / 16.94 0.59 [0.28 - 1.09]	22 / 23.07 0.95 [0.60 - 1.44]	32 / 40.01 0.80 [0.55 - 1.13]
Liver (155)	4 / 4.67 0.86 [0.23 - 2.19]	6 / 5.62 1.07 [0.39 - 2.32]	10 / 10.29 0.97 [0.47 - 1.79]
Larynx (161)	0 / 0.38 0.00 [0.00 - 9.75]	1 / 0.71 1.41 [0.04 - 7.84]	1 / 1.09 0.92 [0.02 - 5.11]
Lung (162)	20 / 17.16 1.17 [0.71 - 1.80]	46 / 33.80 1.36 [1.00 - 1.82]	66 / 50.95 1.30 [1.00 - 1.65]
Pleura (163)	2 / 0.39 5.12 [0.62 - 18.5]	2 / 0.57 3.51 [0.42 - 12.7]	4 / 0.96 4.16 [1.13 - 10.7]
Soft tissue (171)	3 / 1.09 2.75 [0.57 - 8.05]	3 / 1.37 2.18 [0.45 - 6.38]	6 / 2.46 2.43 [0.89 - 5.30]
Bladder (188)	2 / 2.71 0.74 [0.09 - 2.67]	7 / 5.15 1.36 [0.55 - 2.80]	9 / 7.86 1.15 [0.52 - 2.17]
Lymphatic & hematopoietic tissue (200-208)	9 / 18.57 0.48 [0.22 - 0.92]	26 / 25.11 1.04 [0.68 - 1.52]	35 / 43.68 0.80 [0.56 - 1.11]
Non-Hodgkins lymphoma (200,202)	0 / 5.36 0.00 [0.00 - 0.69]	9 / 7.22 1.25 [0.57 - 2.37]	9 / 12.59 0.72 [0.33 - 1.36]
Hodgkins disease (201)	2 / 1.58 1.26 [0.15 - 4.57]	3 / 2.32 1.29 [0.27 - 3.78]	5 / 3.90 1.28 [0.42 - 2.99]
Multiple myeloma (203)	1 / 3.65 0.27 [0.01 - 1.53]	6 / 4.96 1.21 [0.44 - 2.63]	7 / 8.60 0.81 [0.33 - 1.68]
Leukemia & aleukemia (204-208)	6 / 7.57 0.79 [0.29 - 1.72]	8 / 10.42 0.77 [0.33 - 1.51]	14 / 18.00 0.78 [0.43 - 1.31]
MENTAL DISORDERS (290-319)	4 / 14.51 0.28 [0.08 - 0.71]	4 / 13.23 0.30 [0.08 - 0.77]	8 / 27.74 0.29 [0.12 - 0.57]
DIS. OF CIRCULATORY SYSTEM (390-459)	237 / 338.00 0.70 [0.61 - 0.80]	501 / 479.64 1.04 [0.96 - 1.14]	738 / 817.65 0.90 [0.84 - 0.97]
Ischaemic heart disease (410-414)	117 / 156.79 0.75 [0.62 - 0.89]	249 / 222.98 1.12 [0.98 - 1.26]	366 / 379.77 0.96 [0.87 - 1.07]
DIS. OF RESPIRATORY SYSTEM (460-519)	36 / 47.56 0.76 [0.53 - 1.05]	71 / 72.39 0.98 [0.77 - 1.24]	107 / 119.95 0.89 [0.73 - 1.08]
DIS. OF DIGESTIVE SYSTEM (520-579)	23 / 28.17 0.82 [0.52 - 1.22]	29 / 42.94 0.68 [0.45 - 0.97]	52 / 71.11 0.73 [0.55 - 0.96]
Liver cirrhosis (571)	6 / 7.64 0.79 [0.29 - 1.71]	9 / 12.50 0.72 [0.33 - 1.37]	15 / 20.14 0.74 [0.42 - 1.23]
EXTERNAL CAUSES (E800-999)	49 / 54.47 0.90 [0.67 - 1.19]	53 / 71.90 0.74 [0.55 - 0.96]	102 / 126.38 0.81 [0.66 - 0.98]

Table 2.4.19
Mortality from selected causes by ever employment in "non production" department

TOTAL COHORT Excluding Brazil, South Africa

ever employment in "non production" department	Ever	Never	Total
ALL CAUSES	8829 / 10385.20 0.85 [0.83 - 0.87]	8578 / 8598.15 1.00 [0.98 - 1.02]	17407 / 18983.35 0.92 [0.90 - 0.93]
ALL MALIGNANT NEOPLASMS (140-208)	2136 / 2442.62 0.87 [0.84 - 0.91]	2147 / 2161.17 0.99 [0.95 - 1.04]	4283 / 4603.79 0.93 [0.90 - 0.96]
Oral cavity & pharynx (140-149)	40 / 56.94 0.70 [0.50 - 0.96]	39 / 48.79 0.80 [0.57 - 1.09]	79 / 105.73 0.75 [0.59 - 0.93]
Stomach (151)	199 / 253.32 0.79 [0.68 - 0.90]	181 / 203.13 0.89 [0.77 - 1.03]	380 / 456.45 0.83 [0.75 - 0.92]
Liver (155)	39 / 49.17 0.79 [0.56 - 1.08]	34 / 44.33 0.77 [0.53 - 1.07]	73 / 93.51 0.78 [0.61 - 0.98]
Larynx (161)	27 / 32.02 0.84 [0.56 - 1.23]	32 / 28.23 1.13 [0.78 - 1.60]	59 / 60.25 0.98 [0.75 - 1.26]
Lung (162)	557 / 586.66 0.95 [0.87 - 1.03]	543 / 497.76 1.09 [1.00 - 1.19]	1100 / 1084.41 1.01 [0.96 - 1.08]
Pleura (163)	21 / 9.77 2.15 [1.33 - 3.29]	14 / 8.89 1.58 [0.86 - 2.64]	35 / 18.66 1.88 [1.31 - 2.61]
Soft tissue (171)	10 / 10.36 0.97 [0.46 - 1.78]	13 / 8.59 1.51 [0.81 - 2.59]	23 / 18.95 1.21 [0.77 - 1.82]
Bladder (188)	83 / 78.43 1.06 [0.84 - 1.31]	78 / 75.53 1.03 [0.82 - 1.29]	161 / 153.96 1.05 [0.89 - 1.22]
Lymphatic & hematopoietic tissue (200-208)	168 / 202.81 0.83 [0.71 - 0.96]	172 / 173.47 0.99 [0.85 - 1.15]	340 / 376.28 0.90 [0.81 - 1.00]
Non-Hodgkins lymphoma (200,202)	51 / 59.20 0.86 [0.64 - 1.13]	54 / 50.87 1.06 [0.80 - 1.39]	105 / 110.07 0.95 [0.78 - 1.15]
Hodgkins disease (201)	15 / 19.34 0.78 [0.43 - 1.28]	20 / 16.22 1.23 [0.75 - 1.90]	35 / 35.56 0.98 [0.69 - 1.37]
Multiple myeloma (203)	39 / 40.13 0.97 [0.69 - 1.33]	30 / 34.56 0.87 [0.59 - 1.24]	69 / 74.69 0.92 [0.72 - 1.17]
Leukemia & aleukemia (204-208)	63 / 81.50 0.77 [0.59 - 0.99]	68 / 71.06 0.96 [0.74 - 1.21]	131 / 152.56 0.86 [0.72 - 1.02]
MENTAL DISORDERS (290-319)	64 / 117.39 0.55 [0.42 - 0.70]	89 / 87.12 1.02 [0.82 - 1.26]	153 / 204.51 0.75 [0.63 - 0.88]
DIS. OF CIRCULATORY SYSTEM (390-459)	4235 / 4742.13 0.89 [0.87 - 0.92]	3845 / 3823.65 1.01 [0.97 - 1.04]	8080 / 8565.78 0.94 [0.92 - 0.96]
Ischaemic heart disease (410-414)	2642 / 2958.68 0.89 [0.86 - 0.93]	2403 / 2340.22 1.03 [0.99 - 1.07]	5045 / 5298.90 0.95 [0.93 - 0.98]
DIS. OF RESPIRATORY SYSTEM (460-519)	512 / 684.54 0.75 [0.68 - 0.82]	509 / 573.81 0.89 [0.81 - 0.97]	1021 / 1258.35 0.81 [0.76 - 0.86]
DIS. OF DIGESTIVE SYSTEM (520-579)	258 / 356.52 0.72 [0.64 - 0.82]	330 / 328.27 1.01 [0.90 - 1.12]	588 / 684.79 0.86 [0.79 - 0.93]
Liver cirrhosis (571)	91 / 127.72 0.71 [0.57 - 0.87]	154 / 134.05 1.15 [0.97 - 1.35]	245 / 261.76 0.94 [0.82 - 1.06]
EXTERNAL CAUSES (E800-999)	802 / 1068.85 0.75 [0.70 - 0.80]	786 / 790.30 0.99 [0.93 - 1.07]	1588 / 1859.15 0.85 [0.81 - 0.90]

Table 2.4.20
Mortality from selected causes by ever employment in "non production" department

TOTAL COHORT Excluding Brazil.South Africa
Men

ever employment in "non production" department	Ever	Never	Total
ALL CAUSES	8243 / 9603.99 0.86 [0.84 - 0.88]	7460 / 7453.15 1.00 [0.98 - 1.02]	15703 / 17057.13 0.92 [0.91 - 0.94]
ALL MALIGNANT NEOPLASMS (140-208)	1949 / 2222.54 0.88 [0.84 - 0.92]	1804 / 1823.00 0.99 [0.94 - 1.04]	3753 / 4045.54 0.93 [0.90 - 0.96]
Oral cavity & pharynx (140-149)	37 / 54.75 0.68 [0.48 - 0.93]	38 / 45.51 0.84 [0.59 - 1.15]	75 / 100.26 0.75 [0.59 - 0.94]
Stomach (151)	189 / 236.52 0.80 [0.69 - 0.92]	159 / 180.06 0.88 [0.75 - 1.03]	348 / 416.58 0.84 [0.75 - 0.93]
Liver (155)	35 / 44.71 0.78 [0.55 - 1.09]	28 / 38.72 0.72 [0.48 - 1.05]	63 / 83.43 0.76 [0.58 - 0.97]
Larynx (161)	27 / 31.65 0.85 [0.56 - 1.24]	31 / 27.52 1.13 [0.77 - 1.60]	58 / 59.17 0.98 [0.74 - 1.27]
Lung (162)	537 / 569.60 0.94 [0.86 - 1.03]	497 / 463.97 1.07 [0.98 - 1.17]	1034 / 1033.57 1.00 [0.94 - 1.06]
Pleura (163)	19 / 9.38 2.03 [1.22 - 3.16]	12 / 8.32 1.44 [0.75 - 2.52]	31 / 17.70 1.75 [1.19 - 2.49]
Soft tissue (171)	7 / 9.27 0.76 [0.30 - 1.56]	10 / 7.22 1.39 [0.66 - 2.55]	17 / 16.49 1.03 [0.60 - 1.65]
Bladder (188)	81 / 75.74 1.07 [0.85 - 1.33]	71 / 70.38 1.01 [0.79 - 1.27]	152 / 146.12 1.04 [0.88 - 1.22]
Lymphatic & hematopoietic tissue (200-208)	159 / 184.40 0.86 [0.73 - 1.01]	146 / 148.37 0.98 [0.83 - 1.16]	305 / 332.77 0.92 [0.82 - 1.03]
Non-Hodgkins lymphoma (200,202)	51 / 53.84 0.95 [0.71 - 1.25]	45 / 43.65 1.03 [0.75 - 1.38]	96 / 97.48 0.98 [0.80 - 1.20]
Hodgkins disease (201)	13 / 17.76 0.73 [0.39 - 1.25]	17 / 13.90 1.22 [0.71 - 1.96]	30 / 31.66 0.95 [0.64 - 1.35]
Multiple myeloma (203)	38 / 36.49 1.04 [0.74 - 1.43]	24 / 29.60 0.81 [0.52 - 1.21]	62 / 66.09 0.94 [0.72 - 1.20]
Leukemia & aleukemia (204-208)	57 / 74.01 0.77 [0.58 - 1.00]	60 / 60.64 0.99 [0.76 - 1.27]	117 / 134.65 0.87 [0.72 - 1.04]
MENTAL DISORDERS (290-319)	60 / 102.94 0.58 [0.44 - 0.75]	85 / 73.89 1.15 [0.92 - 1.42]	145 / 176.82 0.82 [0.69 - 0.96]
DIS. OF CIRCULATORY SYSTEM (390-459)	3998 / 4408.02 0.91 [0.88 - 0.94]	3344 / 3344.15 1.00 [0.97 - 1.03]	7342 / 7752.17 0.95 [0.93 - 0.97]
Ischaemic heart disease (410-414)	2525 / 2802.68 0.90 [0.87 - 0.94]	2154 / 2117.27 1.02 [0.97 - 1.06]	4679 / 4919.95 0.95 [0.92 - 0.98]
DIS. OF RESPIRATORY SYSTEM (460-519)	477 / 637.70 0.75 [0.68 - 0.82]	438 / 501.45 0.87 [0.79 - 0.96]	915 / 1139.15 0.80 [0.75 - 0.86]
DIS. OF DIGESTIVE SYSTEM (520-579)	237 / 329.00 0.72 [0.63 - 0.82]	301 / 285.36 1.05 [0.94 - 1.18]	538 / 614.35 0.88 [0.80 - 0.95]
Liver cirrhosis (571)	86 / 120.32 0.71 [0.57 - 0.88]	145 / 121.55 1.19 [1.01 - 1.40]	231 / 241.87 0.96 [0.84 - 1.09]
EXTERNAL CAUSES (E800-999)	755 / 1015.73 0.74 [0.69 - 0.80]	733 / 718.46 1.02 [0.95 - 1.10]	1488 / 1734.18 0.86 [0.81 - 0.90]

Table 2.4.20
Mortality from selected causes by ever employment in "non production" department

TOTAL COHORT Excluding Brazil, South Africa
Women

ever employment in "non production" department	Ever	Never	Total
ALL CAUSES	586 / 781.22 0.75 [0.69 - 0.81]	1118 / 1145.00 0.98 [0.92 - 1.04]	1704 / 1926.22 0.88 [0.84 - 0.93]
ALL MALIGNANT NEOPLASMS (140-208)	187 / 220.08 0.85 [0.73 - 0.98]	343 / 338.17 1.01 [0.91 - 1.13]	530 / 558.25 0.95 [0.87 - 1.03]
Oral cavity & pharynx (140-149)	3 / 2.19 1.37 [0.28 - 3.99]	1 / 3.28 0.30 [0.01 - 1.70]	4 / 5.47 0.73 [0.20 - 1.87]
Stomach (151)	10 / 16.80 0.60 [0.29 - 1.09]	22 / 23.07 0.95 [0.60 - 1.44]	32 / 39.87 0.80 [0.55 - 1.13]
Liver (155)	4 / 4.46 0.90 [0.24 - 2.30]	6 / 5.61 1.07 [0.39 - 2.33]	10 / 10.07 0.99 [0.48 - 1.83]
Larynx (161)	0 / 0.37 0.00 [0.00 - 10.0]	1 / 0.71 1.41 [0.04 - 7.84]	1 / 1.08 0.93 [0.02 - 5.17]
Lung (162)	20 / 17.05 1.17 [0.72 - 1.81]	46 / 33.79 1.36 [1.00 - 1.82]	66 / 50.84 1.30 [1.00 - 1.65]
Pleura (163)	2 / 0.39 5.12 [0.62 - 18.5]	2 / 0.57 3.51 [0.42 - 12.7]	4 / 0.96 4.16 [1.13 - 10.7]
Soft tissue (171)	3 / 1.09 2.75 [0.57 - 8.05]	3 / 1.37 2.18 [0.45 - 6.38]	6 / 2.46 2.43 [0.89 - 5.30]
Bladder (188)	2 / 2.70 0.74 [0.09 - 2.68]	7 / 5.15 1.36 [0.55 - 2.80]	9 / 7.84 1.15 [0.52 - 2.18]
Lymphatic & hematopoietic tissue (200-208)	9 / 18.41 0.49 [0.22 - 0.93]	26 / 25.10 1.04 [0.68 - 1.52]	35 / 43.51 0.80 [0.56 - 1.12]
Non-Hodgkins lymphoma (200,202)	0 / 5.36 0.00 [0.00 - 0.69]	9 / 7.22 1.25 [0.57 - 2.37]	9 / 12.59 0.72 [0.33 - 1.36]
Hodgkins disease (201)	2 / 1.58 1.26 [0.15 - 4.57]	3 / 2.32 1.29 [0.27 - 3.78]	5 / 3.90 1.28 [0.42 - 2.99]
Multiple myeloma (203)	1 / 3.65 0.27 [0.01 - 1.53]	6 / 4.96 1.21 [0.44 - 2.63]	7 / 8.60 0.81 [0.33 - 1.68]
Leukemia & aleukemia (204-208)	6 / 7.48 0.80 [0.29 - 1.75]	8 / 10.42 0.77 [0.33 - 1.51]	14 / 17.90 0.78 [0.43 - 1.31]
MENTAL DISORDERS (290-319)	4 / 14.45 0.28 [0.08 - 0.71]	4 / 13.23 0.30 [0.08 - 0.77]	8 / 27.68 0.29 [0.12 - 0.57]
DIS. OF CIRCULATORY SYSTEM (390-459)	237 / 334.11 0.71 [0.62 - 0.81]	501 / 479.50 1.04 [0.96 - 1.14]	738 / 813.61 0.91 [0.84 - 0.97]
Ischaemic heart disease (410-414)	117 / 156.00 0.75 [0.62 - 0.90]	249 / 222.95 1.12 [0.98 - 1.26]	366 / 378.95 0.97 [0.87 - 1.07]
DIS. OF RESPIRATORY SYSTEM (460-519)	35 / 46.84 0.75 [0.52 - 1.04]	71 / 72.36 0.98 [0.77 - 1.24]	106 / 119.20 0.89 [0.73 - 1.08]
DIS. OF DIGESTIVE SYSTEM (520-579)	21 / 27.53 0.76 [0.47 - 1.17]	29 / 42.91 0.68 [0.45 - 0.97]	50 / 70.44 0.71 [0.53 - 0.94]
Liver cirrhosis (571)	5 / 7.39 0.68 [0.22 - 1.58]	9 / 12.49 0.72 [0.33 - 1.37]	14 / 19.89 0.70 [0.38 - 1.18]
EXTERNAL CAUSES (E800-999)	47 / 53.13 0.88 [0.65 - 1.18]	53 / 71.84 0.74 [0.55 - 0.96]	100 / 124.97 0.80 [0.65 - 0.97]

Table 2.4.21
Mortality from selected causes by ever employment in "other/unknown" department

TOTAL COHORT

ever employment in "other/unknown" department	Ever	Never	Total
ALL CAUSES	2097 / 1983.93 1.06 [1.01 - 1.10]	15519 / 17267.53 0.90 [0.88 - 0.91]	17616 / 19251.46 0.92 [0.90 - 0.93]
ALL MALIGNANT NEOPLASMS (140-208)	539 / 527.41 1.02 [0.94 - 1.11]	3774 / 4100.58 0.92 [0.89 - 0.95]	4313 / 4627.99 0.93 [0.90 - 0.96]
Oral cavity & pharynx (140-149)	16 / 11.73 1.36 [0.78 - 2.21]	64 / 95.53 0.67 [0.52 - 0.86]	80 / 107.27 0.75 [0.59 - 0.93]
Stomach (151)	29 / 44.48 0.65 [0.44 - 0.94]	351 / 415.60 0.84 [0.76 - 0.94]	380 / 460.08 0.83 [0.74 - 0.91]
Liver (155)	11 / 13.40 0.82 [0.41 - 1.47]	62 / 82.83 0.75 [0.57 - 0.96]	73 / 96.23 0.76 [0.59 - 0.95]
Larynx (161)	12 / 8.50 1.41 [0.73 - 2.47]	49 / 52.76 0.93 [0.69 - 1.23]	61 / 61.25 1.00 [0.76 - 1.28]
Lung (162)	159 / 141.42 1.12 [0.96 - 1.31]	954 / 946.57 1.01 [0.94 - 1.07]	1113 / 1088.00 1.02 [0.96 - 1.08]
Pleura (163)	6 / 2.37 2.53 [0.93 - 5.52]	29 / 16.29 1.78 [1.19 - 2.56]	35 / 18.66 1.88 [1.31 - 2.61]
Soft tissue (171)	2 / 1.55 1.29 [0.16 - 4.65]	21 / 17.40 1.21 [0.75 - 1.85]	23 / 18.95 1.21 [0.77 - 1.82]
Bladder (188)	23 / 22.32 1.03 [0.65 - 1.55]	138 / 131.96 1.05 [0.88 - 1.24]	161 / 154.29 1.04 [0.89 - 1.22]
Lymphatic & hematopoietic tissue (200-208)	41 / 39.63 1.03 [0.74 - 1.40]	303 / 338.98 0.89 [0.80 - 1.00]	344 / 378.61 0.91 [0.82 - 1.01]
Non-Hodgkins lymphoma (200,202)	13 / 11.28 1.15 [0.61 - 1.97]	93 / 98.78 0.94 [0.76 - 1.15]	106 / 110.07 0.96 [0.79 - 1.16]
Hodgkins disease (201)	6 / 3.75 1.60 [0.59 - 3.48]	29 / 31.81 0.91 [0.61 - 1.31]	35 / 35.56 0.98 [0.69 - 1.37]
Multiple myeloma (203)	7 / 6.93 1.01 [0.41 - 2.08]	63 / 67.76 0.93 [0.71 - 1.19]	70 / 74.69 0.94 [0.73 - 1.18]
Leukemia & aleukemia (204-208)	15 / 17.66 0.85 [0.48 - 1.40]	118 / 136.04 0.87 [0.72 - 1.04]	133 / 153.70 0.87 [0.72 - 1.03]
MENTAL DISORDERS (290-319)	21 / 14.87 1.41 [0.87 - 2.16]	132 / 192.44 0.69 [0.57 - 0.81]	153 / 207.31 0.74 [0.63 - 0.86]
DIS. OF CIRCULATORY SYSTEM (390-459)	868 / 877.01 0.99 [0.92 - 1.06]	7240 / 7754.79 0.93 [0.91 - 0.96]	8108 / 8631.80 0.94 [0.92 - 0.96]
Ischaemic heart disease (410-414)	540 / 543.61 0.99 [0.91 - 1.08]	4515 / 4776.53 0.95 [0.92 - 0.97]	5055 / 5320.15 0.95 [0.92 - 0.98]
DIS. OF RESPIRATORY SYSTEM (460-519)	134 / 129.22 1.04 [0.87 - 1.23]	897 / 1142.68 0.78 [0.73 - 0.84]	1031 / 1271.90 0.81 [0.76 - 0.86]
DIS. OF DIGESTIVE SYSTEM (520-579)	108 / 89.70 1.20 [0.99 - 1.45]	495 / 613.56 0.81 [0.74 - 0.88]	603 / 703.26 0.86 [0.79 - 0.93]
Liver cirrhosis (571)	62 / 41.24 1.50 [1.15 - 1.93]	192 / 231.04 0.83 [0.72 - 0.96]	254 / 272.29 0.93 [0.82 - 1.05]
EXTERNAL CAUSES (E800-999)	192 / 167.37 1.15 [0.99 - 1.32]	1430 / 1763.68 0.81 [0.77 - 0.85]	1622 / 1931.05 0.84 [0.80 - 0.88]

Table 2.4.22
Mortality from selected causes by ever employment in "other/unknown" department

TOTAL COHORT
Men

ever employment in "other/unknown" department	Ever	Never	Total
ALL CAUSES	1941 / 1832.08 1.06 [1.01 - 1.11]	13960 / 15479.47 0.90 [0.89 - 0.92]	15901 / 17311.55 0.92 [0.90 - 0.93]
ALL MALIGNANT NEOPLASMS (140-208)	491 / 480.37 1.02 [0.93 - 1.12]	3292 / 3587.22 0.92 [0.89 - 0.95]	3783 / 4067.59 0.93 [0.90 - 0.96]
Oral cavity & pharynx (140-149)	16 / 11.31 1.42 [0.81 - 2.30]	60 / 90.46 0.66 [0.51 - 0.85]	76 / 101.77 0.75 [0.59 - 0.93]
Stomach (151)	28 / 42.03 0.67 [0.44 - 0.96]	320 / 378.04 0.85 [0.76 - 0.94]	348 / 420.07 0.83 [0.74 - 0.92]
Liver (155)	11 / 12.63 0.87 [0.43 - 1.56]	52 / 73.32 0.71 [0.53 - 0.93]	63 / 85.95 0.73 [0.56 - 0.94]
Larynx (161)	12 / 8.39 1.43 [0.74 - 2.50]	48 / 51.78 0.93 [0.68 - 1.23]	60 / 60.16 1.00 [0.76 - 1.28]
Lung (162)	151 / 136.44 1.11 [0.94 - 1.30]	896 / 900.61 0.99 [0.93 - 1.06]	1047 / 1037.05 1.01 [0.95 - 1.07]
Pleura (163)	6 / 2.27 2.64 [0.97 - 5.75]	25 / 15.43 1.62 [1.05 - 2.39]	31 / 17.70 1.75 [1.19 - 2.49]
Soft tissue (171)	2 / 1.40 1.42 [0.17 - 5.14]	15 / 15.08 0.99 [0.56 - 1.64]	17 / 16.49 1.03 [0.60 - 1.65]
Bladder (188)	22 / 21.51 1.02 [0.64 - 1.55]	130 / 124.92 1.04 [0.87 - 1.24]	152 / 146.43 1.04 [0.88 - 1.22]
Lymphatic & hematopoietic tissue (200-208)	36 / 36.50 0.99 [0.69 - 1.37]	273 / 298.43 0.91 [0.81 - 1.03]	309 / 334.93 0.92 [0.82 - 1.03]
Non-Hodgkins lymphoma (200,202)	10 / 10.39 0.96 [0.46 - 1.77]	87 / 87.09 1.00 [0.80 - 1.23]	97 / 97.48 1.00 [0.81 - 1.21]
Hodgkins disease (201)	6 / 3.50 1.71 [0.63 - 3.73]	24 / 28.16 0.85 [0.55 - 1.27]	30 / 31.66 0.95 [0.64 - 1.35]
Multiple myeloma (203)	6 / 6.33 0.95 [0.35 - 2.06]	57 / 59.76 0.95 [0.72 - 1.24]	63 / 66.09 0.95 [0.73 - 1.22]
Leukemia & aleukemia (204-208)	14 / 16.27 0.86 [0.47 - 1.44]	105 / 119.44 0.88 [0.72 - 1.06]	119 / 135.71 0.88 [0.73 - 1.05]
MENTAL DISORDERS (290-319)	21 / 13.60 1.54 [0.96 - 2.36]	124 / 165.96 0.75 [0.62 - 0.89]	145 / 179.57 0.81 [0.68 - 0.95]
DIS. OF CIRCULATORY SYSTEM (390-459)	798 / 815.40 0.98 [0.91 - 1.05]	6572 / 6998.76 0.94 [0.92 - 0.96]	7370 / 7814.16 0.94 [0.92 - 0.96]
Ischaemic heart disease (410-414)	504 / 511.61 0.99 [0.90 - 1.08]	4185 / 4428.77 0.94 [0.92 - 0.97]	4689 / 4940.38 0.95 [0.92 - 0.98]
DIS. OF RESPIRATORY SYSTEM (460-519)	125 / 120.79 1.03 [0.86 - 1.23]	799 / 1031.17 0.77 [0.72 - 0.83]	924 / 1151.95 0.80 [0.75 - 0.86]
DIS. OF DIGESTIVE SYSTEM (520-579)	107 / 83.67 1.28 [1.05 - 1.55]	444 / 548.49 0.81 [0.74 - 0.89]	551 / 632.15 0.87 [0.80 - 0.95]
Liver cirrhosis (571)	61 / 39.38 1.55 [1.18 - 1.99]	178 / 212.76 0.84 [0.72 - 0.97]	239 / 252.15 0.95 [0.83 - 1.08]
EXTERNAL CAUSES (E800-999)	181 / 156.94 1.15 [0.99 - 1.33]	1339 / 1647.74 0.81 [0.77 - 0.86]	1520 / 1804.68 0.84 [0.80 - 0.89]

Table 2.4.22
Mortality from selected causes by ever employment in "other/unknown" department

TOTAL COHORT
Women

ever employment in "other/unknown" department	Ever	Never	Total
ALL CAUSES	156 / 151.85 1.03 [0.87 - 1.20]	1559 / 1788.06 0.87 [0.83 - 0.92]	1715 / 1939.91 0.88 [0.84 - 0.93]
ALL MALIGNANT NEOPLASMS (140-208)	48 / 47.04 1.02 [0.75 - 1.35]	482 / 513.35 0.94 [0.86 - 1.03]	530 / 560.39 0.95 [0.87 - 1.03]
Oral cavity & pharynx (140-149)	0 / 0.43 0.00 [0.00 - 8.63]	4 / 5.07 0.79 [0.21 - 2.02]	4 / 5.50 0.73 [0.20 - 1.86]
Stomach (151)	1 / 2.45 0.41 [0.01 - 2.27]	31 / 37.56 0.83 [0.56 - 1.17]	32 / 40.01 0.80 [0.55 - 1.13]
Liver (155)	0 / 0.77 0.00 [0.00 - 4.77]	10 / 9.51 1.05 [0.50 - 1.93]	10 / 10.29 0.97 [0.47 - 1.79]
Larynx (161)	0 / 0.11 0.00 [0.00 - 33.4]	1 / 0.98 1.02 [0.03 - 5.69]	1 / 1.09 0.92 [0.02 - 5.11]
Lung (162)	8 / 4.99 1.60 [0.69 - 3.16]	58 / 45.97 1.26 [0.96 - 1.63]	66 / 50.95 1.30 [1.00 - 1.65]
Pleura (163)	0 / 0.10 0.00 [0.00 - 37.5]	4 / 0.86 4.64 [1.26 - 11.9]	4 / 0.96 4.16 [1.13 - 10.7]
Soft tissue (171)	0 / 0.15 0.00 [0.00 - 24.9]	6 / 2.32 2.59 [0.95 - 5.64]	6 / 2.46 2.43 [0.89 - 5.30]
Bladder (188)	1 / 0.81 1.23 [0.03 - 6.84]	8 / 7.04 1.14 [0.49 - 2.24]	9 / 7.86 1.15 [0.52 - 2.17]
Lymphatic & hematopoietic tissue (200-208)	5 / 3.13 1.60 [0.52 - 3.73]	30 / 40.55 0.74 [0.50 - 1.06]	35 / 43.68 0.80 [0.56 - 1.11]
Non-Hodgkins lymphoma (200,202)	3 / 0.89 3.36 [0.69 - 9.82]	6 / 11.69 0.51 [0.19 - 1.12]	9 / 12.59 0.72 [0.33 - 1.36]
Hodgkins disease (201)	0 / 0.25 0.00 [0.00 - 14.8]	5 / 3.65 1.37 [0.44 - 3.20]	5 / 3.90 1.28 [0.42 - 2.99]
Multiple myeloma (203)	1 / 0.60 1.67 [0.04 - 9.28]	6 / 8.00 0.75 [0.28 - 1.63]	7 / 8.60 0.81 [0.33 - 1.68]
Leukemia & aleukemia (204-208)	1 / 1.39 0.72 [0.02 - 4.01]	13 / 16.61 0.78 [0.42 - 1.34]	14 / 18.00 0.78 [0.43 - 1.31]
MENTAL DISORDERS (290-319)	0 / 1.27 0.00 [0.00 - 2.91]	8 / 26.47 0.30 [0.13 - 0.60]	8 / 27.74 0.29 [0.12 - 0.57]
DIS. OF CIRCULATORY SYSTEM (390-459)	70 / 61.61 1.14 [0.89 - 1.44]	668 / 756.03 0.88 [0.82 - 0.95]	738 / 817.65 0.90 [0.84 - 0.97]
Ischaemic heart disease (410-414)	36 / 32.01 1.12 [0.79 - 1.56]	330 / 347.76 0.95 [0.85 - 1.06]	366 / 379.77 0.96 [0.87 - 1.07]
DIS. OF RESPIRATORY SYSTEM (460-519)	9 / 8.43 1.07 [0.49 - 2.03]	98 / 111.52 0.88 [0.71 - 1.07]	107 / 119.95 0.89 [0.73 - 1.08]
DIS. OF DIGESTIVE SYSTEM (520-579)	1 / 6.03 0.17 [0.00 - 0.92]	51 / 65.08 0.78 [0.58 - 1.03]	52 / 71.11 0.73 [0.55 - 0.96]
Liver cirrhosis (571)	1 / 1.86 0.54 [0.01 - 3.00]	14 / 18.28 0.77 [0.42 - 1.28]	15 / 20.14 0.74 [0.42 - 1.23]
EXTERNAL CAUSES (E800-999)	11 / 10.43 1.05 [0.53 - 1.89]	91 / 115.95 0.78 [0.63 - 0.96]	102 / 126.38 0.81 [0.66 - 0.98]

Table 2.4.23
Mortality from selected causes by ever employment in "other/unknown" department

TOTAL COHORT Excluding Brazil, South Africa

ever employment in "other/unknown" department	Ever	Never	Total
ALL CAUSES	2094 / 1983.60 1.06 [1.01 - 1.10]	15313 / 16999.75 0.90 [0.89 - 0.92]	17407 / 18983.35 0.92 [0.90 - 0.93]
ALL MALIGNANT NEOPLASMS (140-208)	539 / 527.39 1.02 [0.94 - 1.11]	3744 / 4076.40 0.92 [0.89 - 0.95]	4283 / 4603.79 0.93 [0.90 - 0.96]
Oral cavity & pharynx (140-149)	16 / 11.73 1.36 [0.78 - 2.21]	63 / 94.00 0.67 [0.52 - 0.86]	79 / 105.73 0.75 [0.59 - 0.93]
Stomach (151)	29 / 44.48 0.65 [0.44 - 0.94]	351 / 411.97 0.85 [0.77 - 0.95]	380 / 456.45 0.83 [0.75 - 0.92]
Liver (155)	11 / 13.40 0.82 [0.41 - 1.47]	62 / 80.11 0.77 [0.59 - 0.99]	73 / 93.51 0.78 [0.61 - 0.98]
Larynx (161)	12 / 8.50 1.41 [0.73 - 2.47]	47 / 51.75 0.91 [0.67 - 1.21]	59 / 60.25 0.98 [0.75 - 1.26]
Lung (162)	159 / 141.42 1.12 [0.96 - 1.31]	941 / 942.99 1.00 [0.94 - 1.06]	1100 / 1084.41 1.01 [0.96 - 1.08]
Pleura (163)	6 / 2.37 2.53 [0.93 - 5.52]	29 / 16.29 1.78 [1.19 - 2.56]	35 / 18.66 1.88 [1.31 - 2.61]
Soft tissue (171)	2 / 1.55 1.29 [0.16 - 4.65]	21 / 17.40 1.21 [0.75 - 1.85]	23 / 18.95 1.21 [0.77 - 1.82]
Bladder (188)	23 / 22.32 1.03 [0.65 - 1.55]	138 / 131.64 1.05 [0.88 - 1.24]	161 / 153.96 1.05 [0.89 - 1.22]
Lymphatic & hematopoietic tissue (200-208)	41 / 39.63 1.03 [0.74 - 1.40]	299 / 336.65 0.89 [0.79 - 0.99]	340 / 376.28 0.90 [0.81 - 1.00]
Non-Hodgkins lymphoma (200,202)	13 / 11.28 1.15 [0.61 - 1.97]	92 / 98.78 0.93 [0.75 - 1.14]	105 / 110.07 0.95 [0.78 - 1.15]
Hodgkins disease (201)	6 / 3.75 1.60 [0.59 - 3.48]	29 / 31.81 0.91 [0.61 - 1.31]	35 / 35.56 0.98 [0.69 - 1.37]
Multiple myeloma (203)	7 / 6.93 1.01 [0.41 - 2.08]	62 / 67.76 0.91 [0.70 - 1.17]	69 / 74.69 0.92 [0.72 - 1.17]
Leukemia & aleukemia (204-208)	15 / 17.66 0.85 [0.48 - 1.40]	116 / 134.90 0.86 [0.71 - 1.03]	131 / 152.56 0.86 [0.72 - 1.02]
MENTAL DISORDERS (290-319)	21 / 14.87 1.41 [0.87 - 2.16]	132 / 189.64 0.70 [0.58 - 0.83]	153 / 204.51 0.75 [0.63 - 0.88]
DIS. OF CIRCULATORY SYSTEM (390-459)	867 / 876.95 0.99 [0.92 - 1.06]	7213 / 7688.82 0.94 [0.92 - 0.96]	8080 / 8565.78 0.94 [0.92 - 0.96]
Ischaemic heart disease (410-414)	540 / 543.60 0.99 [0.91 - 1.08]	4505 / 4755.30 0.95 [0.92 - 0.98]	5045 / 5298.90 0.95 [0.93 - 0.98]
DIS. OF RESPIRATORY SYSTEM (460-519)	133 / 129.21 1.03 [0.86 - 1.22]	888 / 1129.15 0.79 [0.74 - 0.84]	1021 / 1258.35 0.81 [0.76 - 0.86]
DIS. OF DIGESTIVE SYSTEM (520-579)	108 / 89.68 1.20 [0.99 - 1.45]	480 / 595.11 0.81 [0.74 - 0.88]	588 / 684.79 0.86 [0.79 - 0.93]
Liver cirrhosis (571)	62 / 41.23 1.50 [1.15 - 1.93]	183 / 220.53 0.83 [0.71 - 0.96]	245 / 261.76 0.94 [0.82 - 1.06]
EXTERNAL CAUSES (E800-999)	192 / 167.23 1.15 [0.99 - 1.32]	1396 / 1691.92 0.83 [0.78 - 0.87]	1588 / 1859.15 0.85 [0.81 - 0.90]

Table 2.4.24
Mortality from selected causes by ever employment in "other/unknown" department

TOTAL COHORT Excluding Brazil.South Africa
Men

ever employment in "other/unknown" department	Ever	Never	Total
ALL CAUSES	1938 / 1831.78 1.06 [1.01 - 1.11]	13765 / 15225.36 0.90 [0.89 - 0.92]	15703 / 17057.13 0.92 [0.91 - 0.94]
ALL MALIGNANT NEOPLASMS (140-208)	491 / 480.35 1.02 [0.93 - 1.12]	3262 / 3565.19 0.91 [0.88 - 0.95]	3753 / 4045.54 0.93 [0.90 - 0.96]
Oral cavity & pharynx (140-149)	16 / 11.31 1.42 [0.81 - 2.30]	59 / 88.95 0.66 [0.50 - 0.86]	75 / 100.26 0.75 [0.59 - 0.94]
Stomach (151)	28 / 42.03 0.67 [0.44 - 0.96]	320 / 374.56 0.85 [0.76 - 0.95]	348 / 416.58 0.84 [0.75 - 0.93]
Liver (155)	11 / 12.63 0.87 [0.43 - 1.56]	52 / 70.81 0.73 [0.55 - 0.96]	63 / 83.43 0.76 [0.58 - 0.97]
Larynx (161)	12 / 8.39 1.43 [0.74 - 2.50]	46 / 50.79 0.91 [0.66 - 1.21]	58 / 59.17 0.98 [0.74 - 1.27]
Lung (162)	151 / 136.44 1.11 [0.94 - 1.30]	883 / 897.13 0.98 [0.92 - 1.05]	1034 / 1033.57 1.00 [0.94 - 1.06]
Pleura (163)	6 / 2.27 2.64 [0.97 - 5.75]	25 / 15.43 1.62 [1.05 - 2.39]	31 / 17.70 1.75 [1.19 - 2.49]
Soft tissue (171)	2 / 1.40 1.42 [0.17 - 5.14]	15 / 15.08 0.99 [0.56 - 1.64]	17 / 16.49 1.03 [0.60 - 1.65]
Bladder (188)	22 / 21.51 1.02 [0.64 - 1.55]	130 / 124.61 1.04 [0.87 - 1.24]	152 / 146.12 1.04 [0.88 - 1.22]
Lymphatic & hematopoietic tissue (200-208)	36 / 36.50 0.99 [0.69 - 1.37]	269 / 296.27 0.91 [0.80 - 1.02]	305 / 332.77 0.92 [0.82 - 1.03]
Non-Hodgkins lymphoma (200,202)	10 / 10.39 0.96 [0.46 - 1.77]	86 / 87.09 0.99 [0.79 - 1.22]	96 / 97.48 0.98 [0.80 - 1.20]
Hodgkins disease (201)	6 / 3.50 1.71 [0.63 - 3.73]	24 / 28.16 0.85 [0.55 - 1.27]	30 / 31.66 0.95 [0.64 - 1.35]
Multiple myeloma (203)	6 / 6.33 0.95 [0.35 - 2.06]	56 / 59.76 0.94 [0.71 - 1.22]	62 / 66.09 0.94 [0.72 - 1.20]
Leukemia & aleukemia (204-208)	14 / 16.27 0.86 [0.47 - 1.44]	103 / 118.38 0.87 [0.71 - 1.06]	117 / 134.65 0.87 [0.72 - 1.04]
MENTAL DISORDERS (290-319)	21 / 13.60 1.54 [0.96 - 2.36]	124 / 163.22 0.76 [0.63 - 0.91]	145 / 176.82 0.82 [0.69 - 0.96]
DIS. OF CIRCULATORY SYSTEM (390-459)	797 / 815.35 0.98 [0.91 - 1.05]	6545 / 6936.82 0.94 [0.92 - 0.97]	7342 / 7752.17 0.95 [0.93 - 0.97]
Ischaemic heart disease (410-414)	504 / 511.59 0.99 [0.90 - 1.08]	4175 / 4408.36 0.95 [0.92 - 0.98]	4679 / 4919.95 0.95 [0.92 - 0.98]
DIS. OF RESPIRATORY SYSTEM (460-519)	124 / 120.77 1.03 [0.85 - 1.22]	791 / 1018.38 0.78 [0.72 - 0.83]	915 / 1139.15 0.80 [0.75 - 0.86]
DIS. OF DIGESTIVE SYSTEM (520-579)	107 / 83.65 1.28 [1.05 - 1.55]	431 / 530.70 0.81 [0.74 - 0.89]	538 / 614.35 0.88 [0.80 - 0.95]
Liver cirrhosis (571)	61 / 39.37 1.55 [1.19 - 1.99]	170 / 202.50 0.84 [0.72 - 0.98]	231 / 241.87 0.96 [0.84 - 1.09]
EXTERNAL CAUSES (E800-999)	181 / 156.81 1.15 [0.99 - 1.34]	1307 / 1577.37 0.83 [0.78 - 0.87]	1488 / 1734.18 0.86 [0.81 - 0.90]

Table 2.4.24

Mortality from selected causes by ever employment in "other/unknown" department

TOTAL COHORT Excluding Brazil.South Africa
Women

ever employment in "other/unknown" department	Ever	Never	Total
ALL CAUSES	156 / 151.83 1.03 [0.87 - 1.20]	1548 / 1774.39 0.87 [0.83 - 0.92]	1704 / 1926.22 0.88 [0.84 - 0.93]
ALL MALIGNANT NEOPLASMS (140-208)	48 / 47.04 1.02 [0.75 - 1.35]	482 / 511.22 0.94 [0.86 - 1.03]	530 / 558.25 0.95 [0.87 - 1.03]
Oral cavity & pharynx (140-149)	0 / 0.43 0.00 [0.00 - 8.63]	4 / 5.05 0.79 [0.22 - 2.03]	4 / 5.47 0.73 [0.20 - 1.87]
Stomach (151)	1 / 2.45 0.41 [0.01 - 2.27]	31 / 37.42 0.83 [0.56 - 1.18]	32 / 39.87 0.80 [0.55 - 1.13]
Liver (155)	0 / 0.77 0.00 [0.00 - 4.77]	10 / 9.30 1.08 [0.52 - 1.98]	10 / 10.07 0.99 [0.48 - 1.83]
Larynx (161)	0 / 0.11 0.00 [0.00 - 33.4]	1 / 0.97 1.03 [0.03 - 5.76]	1 / 1.08 0.93 [0.02 - 5.17]
Lung (162)	8 / 4.99 1.60 [0.69 - 3.16]	58 / 45.86 1.26 [0.96 - 1.64]	66 / 50.84 1.30 [1.00 - 1.65]
Pleura (163)	0 / 0.10 0.00 [0.00 - 37.5]	4 / 0.86 4.64 [1.26 - 11.9]	4 / 0.96 4.16 [1.13 - 10.7]
Soft tissue (171)	0 / 0.15 0.00 [0.00 - 24.9]	6 / 2.32 2.59 [0.95 - 5.64]	6 / 2.46 2.43 [0.89 - 5.30]
Bladder (188)	1 / 0.81 1.23 [0.03 - 6.84]	8 / 7.03 1.14 [0.49 - 2.24]	9 / 7.84 1.15 [0.52 - 2.18]
Lymphatic & hematopoietic tissue (200-208)	5 / 3.13 1.60 [0.52 - 3.73]	30 / 40.39 0.74 [0.50 - 1.06]	35 / 43.51 0.80 [0.56 - 1.12]
Non-Hodgkins lymphoma (200,202)	3 / 0.89 3.36 [0.69 - 9.82]	6 / 11.69 0.51 [0.19 - 1.12]	9 / 12.59 0.72 [0.33 - 1.36]
Hodgkins disease (201)	0 / 0.25 0.00 [0.00 - 14.8]	5 / 3.65 1.37 [0.44 - 3.20]	5 / 3.90 1.28 [0.42 - 2.99]
Multiple myeloma (203)	1 / 0.60 1.67 [0.04 - 9.28]	6 / 8.00 0.75 [0.28 - 1.63]	7 / 8.60 0.81 [0.33 - 1.68]
Leukemia & aleukemia (204-208)	1 / 1.39 0.72 [0.02 - 4.01]	13 / 16.51 0.79 [0.42 - 1.35]	14 / 17.90 0.78 [0.43 - 1.31]
MENTAL DISORDERS (290-319)	0 / 1.27 0.00 [0.00 - 2.91]	8 / 26.42 0.30 [0.13 - 0.60]	8 / 27.68 0.29 [0.12 - 0.57]
DIS. OF CIRCULATORY SYSTEM (390-459)	70 / 61.60 1.14 [0.89 - 1.44]	668 / 752.01 0.89 [0.82 - 0.96]	738 / 813.61 0.91 [0.84 - 0.97]
Ischaemic heart disease (410-414)	36 / 32.01 1.12 [0.79 - 1.56]	330 / 346.94 0.95 [0.85 - 1.06]	366 / 378.95 0.97 [0.87 - 1.07]
DIS. OF RESPIRATORY SYSTEM (460-519)	9 / 8.43 1.07 [0.49 - 2.03]	97 / 110.77 0.88 [0.71 - 1.07]	106 / 119.20 0.89 [0.73 - 1.08]
DIS. OF DIGESTIVE SYSTEM (520-579)	1 / 6.03 0.17 [0.00 - 0.92]	49 / 64.41 0.76 [0.56 - 1.01]	50 / 70.44 0.71 [0.53 - 0.94]
Liver cirrhosis (571)	1 / 1.86 0.54 [0.01 - 3.00]	13 / 18.03 0.72 [0.38 - 1.23]	14 / 19.89 0.70 [0.38 - 1.18]
EXTERNAL CAUSES (E800-999)	11 / 10.43 1.05 [0.53 - 1.89]	89 / 114.54 0.78 [0.62 - 0.96]	100 / 124.97 0.80 [0.65 - 0.97]

Table 2.5.1
Mortality from selected causes by employment in only one department

TOTAL COHORT

employment in only one department	-1-	-2-	-3-	-4-	-5-	-6-	More than one department	Total
ALL CAUSES	2664 / 2749.86 0.97 [0.93 - 1.01]	31 / 43.52 0.71 [0.48 - 1.01]	3412 / 3461.15 0.99 [0.95 - 1.02]	305 / 303.37 1.01 [0.90 - 1.12]	5963 / 7005.17 0.85 [0.83 - 0.87]	1446 / 1277.87 1.13 [1.07 - 1.19]	3795 / 4410.59 0.86 [0.83 - 0.89]	17616 / 19251.52 0.92 [0.90 - 0.93]
ALL MALIGNANT NEOPLASMS (140-208)	613 / 624.94 0.98 [0.90 - 1.06]	10 / 11.07 0.90 [0.43 - 1.66]	863 / 892.17 0.97 [0.90 - 1.03]	85 / 86.64 0.98 [0.78 - 1.21]	1451 / 1615.86 0.90 [0.85 - 0.95]	406 / 360.35 1.13 [1.02 - 1.24]	885 / 1036.96 0.85 [0.80 - 0.91]	4313 / 4627.99 0.93 [0.90 - 0.96]
Oral cavity & pharynx (140-149)	11 / 12.58 0.87 [0.44 - 1.56]	0 / 0.22 0.00 [0.00 - 16.6]	9 / 20.67 0.44 [0.20 - 0.83]	3 / 1.96 1.53 [0.32 - 4.48]	27 / 37.40 0.72 [0.48 - 1.05]	14 / 9.07 1.54 [0.84 - 2.59]	16 / 25.37 0.63 [0.36 - 1.02]	80 / 107.27 0.75 [0.59 - 0.93]
Stomach (151)	76 / 73.49 1.03 [0.81 - 1.29]	3 / 1.03 2.91 [0.60 - 8.52]	67 / 78.21 0.86 [0.66 - 1.09]	2 / 4.82 0.42 [0.05 - 1.50]	130 / 174.78 0.74 [0.62 - 0.88]	19 / 28.04 0.68 [0.41 - 1.06]	83 / 99.72 0.83 [0.66 - 1.03]	380 / 460.08 0.83 [0.74 - 0.91]
Liver (155)	9 / 12.28 0.73 [0.34 - 1.39]	1 / 0.33 2.99 [0.07 - 16.7]	9 / 16.17 0.56 [0.25 - 1.06]	1 / 1.55 0.65 [0.02 - 3.60]	24 / 34.32 0.70 [0.45 - 1.04]	10 / 10.30 0.97 [0.47 - 1.79]	19 / 21.28 0.89 [0.54 - 1.39]	73 / 96.23 0.76 [0.59 - 0.95]
Larynx (161)	6 / 6.18 0.97 [0.36 - 2.11]	0 / 0.14 0.00 [0.00 - 26.9]	11 / 11.38 0.97 [0.48 - 1.73]	1 / 1.16 0.86 [0.02 - 4.79]	16 / 20.43 0.78 [0.45 - 1.27]	8 / 6.98 1.15 [0.49 - 2.26]	19 / 14.98 1.27 [0.76 - 1.98]	61 / 61.25 1.00 [0.76 - 1.28]
Lung (162)	132 / 126.44 1.04 [0.87 - 1.24]	2 / 2.92 0.68 [0.08 - 2.47]	203 / 202.92 1.00 [0.87 - 1.15]	20 / 20.51 0.97 [0.60 - 1.51]	371 / 370.40 1.00 [0.90 - 1.11]	129 / 101.32 1.27 [1.06 - 1.51]	256 / 263.48 0.97 [0.86 - 1.10]	1113 / 1088.00 1.02 [0.96 - 1.08]
Pleura (163)	5 / 2.37 2.11 [0.68 - 4.92]	0 / 0.05 0.00 [0.00 - 70.5]	3 / 3.48 0.86 [0.18 - 2.52]	1 / 0.43 2.34 [0.06 - 13.0]	16 / 6.23 2.57 [1.47 - 4.17]	4 / 1.90 2.11 [0.57 - 5.40]	6 / 4.20 1.43 [0.52 - 3.11]	35 / 18.66 1.88 [1.31 - 2.61]
Soft tissue (171)	1 / 2.66 0.38 [0.01 - 2.09]	1 / 0.04 1.00 [0.64 - 0143]	7 / 3.82 1.83 [0.74 - 3.78]	1 / 0.32 3.09 [0.08 - 17.2]	9 / 6.88 1.31 [0.60 - 2.48]	2 / 1.02 1.97 [0.24 - 7.10]	2 / 4.22 0.47 [0.06 - 1.71]	23 / 18.95 1.21 [0.77 - 1.82]
Bladder (188)	19 / 22.25 0.85 [0.51 - 1.33]	0 / 0.46 0.00 [0.00 - 8.03]	31 / 28.33 1.09 [0.74 - 1.55]	3 / 2.90 1.04 [0.21 - 3.03]	56 / 51.83 1.08 [0.82 - 1.40]	19 / 15.34 1.24 [0.75 - 1.93]	33 / 33.19 0.99 [0.68 - 1.40]	161 / 154.29 1.04 [0.89 - 1.22]
Lymphatic & hematopoietic tissue (200-208)	53 / 53.64 0.99 [0.74 - 1.29]	0 / 0.88 0.00 [0.00 - 4.18]	71 / 70.38 1.01 [0.79 - 1.27]	5 / 6.94 0.72 [0.23 - 1.68]	108 / 135.42 0.80 [0.65 - 0.96]	30 / 26.71 1.12 [0.76 - 1.60]	77 / 84.64 0.91 [0.72 - 1.14]	344 / 378.61 0.91 [0.82 - 1.01]
Non-Hodgkins lymphoma (200,202)	20 / 15.42 1.30 [0.79 - 2.00]	0 / 0.26 0.00 [0.00 - 14.4]	19 / 21.17 0.90 [0.54 - 1.40]	2 / 1.95 1.02 [0.12 - 3.70]	37 / 38.75 0.95 [0.67 - 1.32]	12 / 7.73 1.55 [0.80 - 2.71]	16 / 24.79 0.65 [0.37 - 1.05]	106 / 110.07 0.96 [0.79 - 1.16]
Hodgkins disease (201)	5 / 4.46 1.12 [0.36 - 2.62]	0 / 0.07 0.00 [0.00 - 54.1]	9 / 6.95 1.29 [0.59 - 2.46]	1 / 0.65 1.53 [0.04 - 8.51]	6 / 12.46 0.48 [0.18 - 1.05]	3 / 2.60 1.15 [0.24 - 3.37]	11 / 8.37 1.31 [0.66 - 2.35]	35 / 35.56 0.98 [0.69 - 1.37]
Multiple myeloma (203)	8 / 12.20 0.66 [0.28 - 1.29]	0 / 0.16 0.00 [0.00 - 23.0]	15 / 13.79 1.09 [0.61 - 1.79]	0 / 1.13 0.00 [0.00 - 3.26]	22 / 27.23 0.81 [0.51 - 1.22]	4 / 4.54 0.88 [0.24 - 2.26]	21 / 15.65 1.34 [0.83 - 2.05]	70 / 74.69 0.94 [0.73 - 1.18]
Leukemia & aleukemia (204-208)	20 / 21.16 0.95 [0.58 - 1.46]	0 / 0.39 0.00 [0.00 - 9.53]	28 / 28.29 0.99 [0.66 - 1.43]	2 / 3.06 0.65 [0.08 - 2.36]	43 / 54.21 0.79 [0.57 - 1.07]	11 / 11.85 0.93 [0.46 - 1.66]	29 / 34.75 0.83 [0.56 - 1.20]	133 / 153.70 0.87 [0.72 - 1.03]
MENTAL DISORDERS (290-319)	29 / 28.19 1.03 [0.69 - 1.48]	1 / 0.40 2.50 [0.06 - 13.9]	34 / 37.30 0.91 [0.63 - 1.27]	3 / 3.46 0.87 [0.18 - 2.53]	45 / 76.74 0.59 [0.43 - 0.78]	17 / 10.08 1.69 [0.98 - 2.70]	24 / 51.14 0.47 [0.30 - 0.70]	153 / 207.31 0.74 [0.63 - 0.86]
DIS. OF CIRCULATORY SYSTEM (390-459)	1296 / 1322.92 0.98 [0.93 - 1.03]	9 / 18.38 0.49 [0.22 - 0.93]	1525 / 1490.97 1.02 [0.97 - 1.08]	121 / 112.14 1.08 [0.90 - 1.29]	2824 / 3157.64 0.89 [0.86 - 0.93]	520 / 529.55 0.98 [0.90 - 1.07]	1813 / 2000.21 0.91 [0.87 - 0.95]	8108 / 8631.81 0.94 [0.92 - 0.96]
Ischaemic heart disease (410-414)	795 / 808.21 0.98 [0.92 - 1.05]	5 / 11.48 0.44 [0.14 - 1.02]	977 / 911.09 1.07 [1.01 - 1.14]	88 / 69.60 1.26 [1.01 - 1.56]	1763 / 1941.57 0.91 [0.87 - 0.95]	305 / 321.57 0.95 [0.85 - 1.06]	1122 / 1256.63 0.89 [0.84 - 0.95]	5055 / 5320.15 0.95 [0.92 - 0.98]
DIS. OF RESPIRATORY SYSTEM (460-519)	164 / 188.46 0.87 [0.74 - 1.01]	4 / 3.05 1.31 [0.36 - 3.36]	199 / 236.06 0.84 [0.73 - 0.97]	15 / 16.61 0.90 [0.51 - 1.49]	329 / 463.21 0.71 [0.64 - 0.79]	87 / 82.14 1.06 [0.85 - 1.31]	233 / 282.37 0.83 [0.72 - 0.94]	1031 / 1271.91 0.81 [0.76 - 0.86]
DIS. OF DIGESTIVE SYSTEM (520-579)	69 / 89.08 0.77 [0.60 - 0.98]	1 / 1.68 0.60 [0.01 - 3.32]	141 / 131.19 1.07 [0.90 - 1.27]	13 / 13.17 0.99 [0.53 - 1.69]	183 / 242.57 0.75 [0.65 - 0.87]	84 / 64.77 1.30 [1.03 - 1.61]	112 / 160.81 0.70 [0.57 - 0.84]	603 / 703.27 0.86 [0.79 - 0.93]
Liver cirrhosis (571)	21 / 27.41 0.77 [0.47 - 1.17]	1 / 0.79 1.27 [0.03 - 7.06]	61 / 53.90 1.13 [0.87 - 1.45]	6 / 7.10 0.84 [0.31 - 1.84]	67 / 88.14 0.76 [0.59 - 0.97]	55 / 35.27 1.56 [1.17 - 2.03]	43 / 59.66 0.72 [0.52 - 0.97]	254 / 272.29 0.93 [0.82 - 1.05]
EXTERNAL CAUSES (E800-999)	195 / 219.89 0.89 [0.77 - 1.02]	4 / 4.80 0.83 [0.23 - 2.14]	331 / 337.57 0.98 [0.88 - 1.09]	38 / 38.74 0.98 [0.69 - 1.35]	529 / 737.90 0.72 [0.66 - 0.78]	148 / 112.87 1.31 [1.11 - 1.54]	377 / 479.33 0.79 [0.71 - 0.87]	1622 / 1931.08 0.84 [0.80 - 0.88]

Table 2.5.2
Mortality from selected causes by employment in only one department

TOTAL COHORT

Men

employment in only one department	-1-	-2-	-3-	-4-	-5-	-6-	More than one department	Total
ALL CAUSES	2488 / 2536.17 0.98 [0.94 - 1.02]	30 / 43.10 0.70 [0.47 - 0.99]	2725 / 2796.55 0.97 [0.94 - 1.01]	243 / 228.90 1.06 [0.93 - 1.20]	5591 / 6511.10 0.86 [0.84 - 0.88]	1364 / 1195.58 1.14 [1.08 - 1.20]	3460 / 4000.22 0.86 [0.84 - 0.89]	15901 / 17311.61 0.92 [0.90 - 0.93]
ALL MALIGNANT NEOPLASMS (140-208)	568 / 575.01 0.99 [0.91 - 1.07]	9 / 10.92 0.82 [0.38 - 1.56]	644 / 686.79 0.94 [0.87 - 1.01]	61 / 60.89 1.00 [0.77 - 1.29]	1328 / 1471.08 0.90 [0.85 - 0.95]	373 / 332.43 1.12 [1.01 - 1.24]	800 / 930.47 0.86 [0.80 - 0.92]	3783 / 4067.60 0.93 [0.90 - 0.96]
Oral cavity & pharynx (140-149)	11 / 12.07 0.91 [0.45 - 1.63]	0 / 0.22 0.00 [0.00 - 16.7]	8 / 18.68 0.43 [0.18 - 0.84]	3 / 1.71 1.76 [0.36 - 5.14]	24 / 35.98 0.67 [0.43 - 0.99]	14 / 8.80 1.59 [0.87 - 2.67]	16 / 24.30 0.66 [0.38 - 1.07]	76 / 101.77 0.75 [0.59 - 0.93]
Stomach (151)	70 / 68.20 1.03 [0.80 - 1.30]	3 / 1.02 2.94 [0.61 - 8.58]	52 / 65.17 0.80 [0.60 - 1.05]	2 / 3.59 0.56 [0.07 - 2.01]	127 / 164.50 0.77 [0.64 - 0.92]	19 / 26.83 0.71 [0.43 - 1.11]	75 / 90.76 0.83 [0.65 - 1.04]	348 / 420.07 0.83 [0.74 - 0.92]
Liver (155)	6 / 10.74 0.56 [0.20 - 1.22]	1 / 0.33 3.05 [0.08 - 17.0]	7 / 13.63 0.51 [0.21 - 1.06]	1 / 1.06 0.95 [0.02 - 5.27]	21 / 31.50 0.67 [0.41 - 1.02]	10 / 9.87 1.01 [0.49 - 1.86]	17 / 18.83 0.90 [0.53 - 1.45]	63 / 85.95 0.73 [0.56 - 0.94]
Larynx (161)	6 / 6.09 0.99 [0.36 - 2.14]	0 / 0.14 0.00 [0.00 - 27.0]	10 / 10.95 0.91 [0.44 - 1.68]	1 / 1.10 0.91 [0.02 - 5.06]	16 / 20.18 0.79 [0.45 - 1.29]	8 / 6.90 1.16 [0.50 - 2.28]	19 / 14.80 1.28 [0.77 - 2.00]	60 / 60.16 1.00 [0.76 - 1.28]
Lung (162)	129 / 123.31 1.05 [0.87 - 1.24]	2 / 2.91 0.69 [0.08 - 2.49]	170 / 180.17 0.94 [0.81 - 1.10]	18 / 18.18 0.99 [0.59 - 1.56]	359 / 358.93 1.00 [0.90 - 1.11]	123 / 98.00 1.26 [1.04 - 1.50]	246 / 255.54 0.95 [0.85 - 1.09]	1047 / 1037.05 1.01 [0.95 - 1.07]
Pleura (163)	4 / 2.23 1.79 [0.49 - 4.59]	0 / 0.05 0.00 [0.00 - 70.6]	3 / 3.21 0.94 [0.19 - 2.74]	0 / 0.38 0.00 [0.00 - 9.67]	15 / 6.01 2.50 [1.40 - 4.12]	4 / 1.83 2.19 [0.60 - 5.60]	5 / 3.99 1.25 [0.41 - 2.93]	31 / 17.70 1.75 [1.19 - 2.49]
Soft tissue (171)	1 / 2.48 0.40 [0.01 - 2.25]	1 / 0.04 25.80 [0.65 - 0144]	5 / 2.92 1.71 [0.56 - 4.00]	1 / 0.22 4.54 [0.11 - 25.3]	6 / 6.16 0.97 [0.36 - 2.12]	2 / 0.93 2.16 [0.26 - 7.81]	1 / 3.74 0.27 [0.01 - 1.49]	17 / 16.49 1.03 [0.60 - 1.65]
Bladder (188)	19 / 21.50 0.88 [0.53 - 1.38]	0 / 0.46 0.00 [0.00 - 8.05]	25 / 25.14 0.99 [0.64 - 1.47]	3 / 2.59 1.16 [0.24 - 3.38]	54 / 49.99 1.08 [0.81 - 1.41]	18 / 14.88 1.21 [0.72 - 1.91]	33 / 31.87 1.04 [0.71 - 1.45]	152 / 146.43 1.04 [0.88 - 1.22]
Lymphatic & hematopoietic tissue (200-208)	52 / 49.50 1.05 [0.78 - 1.38]	0 / 0.87 0.00 [0.00 - 4.24]	53 / 55.49 0.96 [0.72 - 1.25]	3 / 4.88 0.61 [0.13 - 1.80]	103 / 123.53 0.83 [0.68 - 1.01]	26 / 24.86 1.05 [0.68 - 1.53]	72 / 75.81 0.95 [0.74 - 1.20]	309 / 334.93 0.92 [0.82 - 1.03]
Non-Hodgkins lymphoma (200,202)	19 / 14.24 1.33 [0.80 - 2.08]	0 / 0.25 0.00 [0.00 - 14.5]	15 / 16.76 0.90 [0.50 - 1.48]	1 / 1.45 0.69 [0.02 - 3.85]	37 / 35.36 1.05 [0.74 - 1.44]	9 / 7.18 1.25 [0.57 - 2.38]	16 / 22.24 0.72 [0.41 - 1.17]	97 / 97.48 1.00 [0.81 - 1.21]
Hodgkins disease (201)	5 / 4.14 1.21 [0.39 - 2.82]	0 / 0.07 0.00 [0.00 - 55.9]	6 / 5.49 1.09 [0.40 - 2.38]	1 / 0.45 2.20 [0.06 - 12.3]	6 / 11.47 0.52 [0.19 - 1.14]	3 / 2.45 1.22 [0.25 - 3.57]	9 / 7.59 1.19 [0.54 - 2.25]	30 / 31.66 0.95 [0.64 - 1.35]
Multiple myeloma (203)	8 / 11.29 0.71 [0.31 - 1.40]	0 / 0.16 0.00 [0.00 - 23.1]	10 / 10.84 0.92 [0.44 - 1.70]	0 / 0.80 0.00 [0.00 - 4.63]	21 / 24.86 0.84 [0.52 - 1.29]	3 / 4.20 0.71 [0.15 - 2.09]	21 / 13.95 1.51 [0.93 - 2.30]	63 / 66.09 0.95 [0.73 - 1.22]
Leukemia & aleukemia (204-208)	20 / 19.45 1.03 [0.63 - 1.59]	0 / 0.38 0.00 [0.00 - 9.69]	22 / 22.26 0.99 [0.62 - 1.50]	1 / 2.13 0.47 [0.01 - 2.61]	39 / 49.34 0.79 [0.56 - 1.08]	11 / 11.02 1.00 [0.50 - 1.79]	26 / 31.12 0.84 [0.55 - 1.22]	119 / 135.71 0.88 [0.73 - 1.05]
MENTAL DISORDERS (290-319)	28 / 24.76 1.13 [0.75 - 1.63]	1 / 0.40 2.52 [0.06 - 14.0]	31 / 30.30 1.02 [0.70 - 1.45]	3 / 2.60 1.15 [0.24 - 3.37]	42 / 69.09 0.61 [0.44 - 0.82]	17 / 9.40 1.81 [1.05 - 2.89]	23 / 43.02 0.53 [0.34 - 0.80]	145 / 179.57 0.81 [0.68 - 0.95]
DIS. OF CIRCULATORY SYSTEM (390-459)	1197 / 1216.90 0.98 [0.93 - 1.04]	9 / 18.28 0.49 [0.23 - 0.93]	1242 / 1221.86 1.02 [0.96 - 1.07]	95 / 88.58 1.07 [0.87 - 1.31]	2694 / 2956.45 0.91 [0.88 - 0.95]	492 / 500.10 0.98 [0.90 - 1.07]	1641 / 1811.99 0.91 [0.86 - 0.95]	7370 / 7814.16 0.94 [0.92 - 0.96]
Ischaemic heart disease (410-414)	753 / 766.09 0.98 [0.91 - 1.06]	5 / 11.45 0.44 [0.14 - 1.02]	829 / 781.49 1.06 [0.99 - 1.14]	75 / 59.15 1.27 [1.00 - 1.59]	1701 / 1850.22 0.92 [0.88 - 0.96]	296 / 306.82 0.96 [0.86 - 1.08]	1030 / 1165.16 0.88 [0.83 - 0.94]	4689 / 4940.38 0.95 [0.92 - 0.98]
DIS. OF RESPIRATORY SYSTEM (460-519)	157 / 175.75 0.89 [0.76 - 1.04]	4 / 3.03 1.32 [0.36 - 3.38]	147 / 190.48 0.77 [0.65 - 0.91]	14 / 13.03 1.07 [0.59 - 1.80]	307 / 432.65 0.71 [0.63 - 0.79]	83 / 77.63 1.07 [0.85 - 1.33]	212 / 259.39 0.82 [0.71 - 0.94]	924 / 1151.96 0.80 [0.75 - 0.86]
DIS. OF DIGESTIVE SYSTEM (520-579)	64 / 80.67 0.79 [0.61 - 1.01]	1 / 1.66 0.60 [0.02 - 3.35]	121 / 107.49 1.13 [0.93 - 1.35]	12 / 9.83 1.22 [0.63 - 2.13]	167 / 224.92 0.74 [0.63 - 0.86]	83 / 61.33 1.35 [1.08 - 1.68]	103 / 146.26 0.70 [0.57 - 0.85]	551 / 632.16 0.87 [0.80 - 0.95]
Liver cirrhosis (571)	20 / 25.08 0.80 [0.49 - 1.23]	1 / 0.78 1.28 [0.03 - 7.11]	54 / 47.34 1.14 [0.86 - 1.49]	6 / 5.67 1.06 [0.39 - 2.30]	62 / 82.94 0.75 [0.57 - 0.96]	54 / 33.82 1.60 [1.20 - 2.08]	42 / 56.52 0.74 [0.54 - 1.00]	239 / 252.15 0.95 [0.83 - 1.08]
EXTERNAL CAUSES (E800-999)	191 / 210.60 0.91 [0.78 - 1.05]	4 / 4.73 0.85 [0.23 - 2.17]	296 / 295.78 1.00 [0.89 - 1.12]	35 / 30.98 1.13 [0.79 - 1.57]	496 / 703.58 0.70 [0.64 - 0.77]	140 / 106.24 1.32 [1.11 - 1.56]	358 / 452.80 0.79 [0.71 - 0.88]	1520 / 1804.71 0.84 [0.80 - 0.89]

Table 2.5.2
Mortality from selected causes by employment in only one department

TOTAL COHORT
Women

employment in only one department	-1-	-2-	-3-	-4-	-5-	-6-	More than one department	Total
ALL CAUSES	176 / 213.70 0.82 [0.71 - 0.95]	1 / 0.42 2.38 [0.06 - 13.2]	687 / 664.59 1.03 [0.96 - 1.11]	62 / 74.47 0.83 [0.64 - 1.07]	372 / 494.07 0.75 [0.68 - 0.83]	82 / 82.29 1.00 [0.79 - 1.24]	335 / 410.37 0.82 [0.73 - 0.91]	1715 / 1939.91 0.88 [0.84 - 0.93]
ALL MALIGNANT NEOPLASMS (140-208)	45 / 49.93 0.90 [0.66 - 1.21]	1 / 0.14 6.94 [0.17 - 38.7]	219 / 205.38 1.07 [0.93 - 1.22]	24 / 25.74 0.93 [0.60 - 1.39]	123 / 144.78 0.85 [0.71 - 1.01]	33 / 27.92 1.18 [0.81 - 1.66]	85 / 106.49 0.80 [0.64 - 0.99]	530 / 560.39 0.95 [0.87 - 1.03]
Oral cavity & pharynx (140-149)	0 / 0.51 0.00 [0.00 - 7.30]	0 / 0.00 0.00 [0.00 - 2869]	1 / 1.98 0.50 [0.01 - 2.81]	0 / 0.25 0.00 [0.00 - 14.5]	3 / 1.42 2.11 [0.43 - 6.16]	0 / 0.26 0.00 [0.00 - 14.1]	0 / 1.07 0.00 [0.00 - 3.45]	4 / 5.50 0.73 [0.20 - 1.86]
Stomach (151)	6 / 5.29 1.13 [0.42 - 2.47]	0 / 0.01 0.00 [0.00 - 0502]	15 / 13.04 1.15 [0.64 - 1.90]	0 / 1.23 0.00 [0.00 - 3.00]	3 / 10.28 0.29 [0.06 - 0.85]	0 / 1.21 0.00 [0.00 - 3.05]	8 / 8.96 0.89 [0.39 - 1.76]	32 / 40.01 0.80 [0.55 - 1.13]
Liver (155)	3 / 1.53 1.96 [0.40 - 5.72]	0 / 0.01 0.00 [0.00 - 0616]	2 / 2.55 0.79 [0.10 - 2.84]	0 / 0.49 0.00 [0.00 - 7.53]	3 / 2.83 1.06 [0.22 - 3.10]	0 / 0.43 0.00 [0.00 - 8.56]	2 / 2.45 0.82 [0.10 - 2.94]	10 / 10.29 0.97 [0.47 - 1.79]
Larynx (161)	0 / 0.09 0.00 [0.00 - 39.7]	0 / 0.00 0.00 [0.00 - 6161]	1 / 0.43 2.34 [0.06 - 13.0]	0 / 0.06 0.00 [0.00 - 58.6]	0 / 0.25 0.00 [0.00 - 14.8]	0 / 0.07 0.00 [0.00 - 49.3]	0 / 0.18 0.00 [0.00 - 20.4]	1 / 1.09 0.92 [0.02 - 5.11]
Lung (162)	3 / 3.13 0.96 [0.20 - 2.80]	0 / 0.01 0.00 [0.00 - 0252]	33 / 22.75 1.45 [1.00 - 2.04]	2 / 2.33 0.86 [0.10 - 3.09]	12 / 11.46 1.05 [0.54 - 1.83]	6 / 3.32 1.81 [0.66 - 3.93]	10 / 7.94 1.26 [0.60 - 2.32]	66 / 50.95 1.30 [1.00 - 1.65]
Pleura (163)	1 / 0.14 7.36 [0.18 - 41.0]	0 / 0.00 0.00 [0.00 - 52E3]	0 / 0.27 0.00 [0.00 - 13.6]	1 / 0.05 21.70 [0.54 - 0121]	1 / 0.22 4.50 [0.11 - 25.0]	0 / 0.07 0.00 [0.00 - 53.4]	1 / 0.22 4.63 [0.12 - 25.8]	4 / 0.96 4.16 [1.13 - 10.7]
Soft tissue (171)	0 / 0.18 0.00 [0.00 - 20.1]	0 / 0.00 0.00 [0.00 - 28E3]	2 / 0.90 2.23 [0.27 - 8.06]	0 / 0.10 0.00 [0.00 - 35.9]	3 / 0.71 4.20 [0.87 - 12.3]	0 / 0.09 0.00 [0.00 - 40.1]	1 / 0.47 2.11 [0.05 - 11.7]	6 / 2.46 2.43 [0.89 - 5.30]
Bladder (188)	0 / 0.75 0.00 [0.00 - 4.95]	0 / 0.00 0.00 [0.00 - 4182]	6 / 3.19 1.88 [0.69 - 4.10]	0 / 0.30 0.00 [0.00 - 12.2]	2 / 1.84 1.09 [0.13 - 3.92]	1 / 0.45 2.21 [0.06 - 12.3]	0 / 1.33 0.00 [0.00 - 2.78]	9 / 7.86 1.15 [0.52 - 2.17]
Lymphatic & hematopoietic tissue (200-208)	1 / 4.14 0.24 [0.01 - 1.35]	0 / 0.01 0.00 [0.00 - 0294]	18 / 14.89 1.21 [0.72 - 1.91]	2 / 2.05 0.97 [0.12 - 3.52]	5 / 11.89 0.42 [0.14 - 0.98]	4 / 1.86 2.15 [0.59 - 5.51]	5 / 8.83 0.57 [0.18 - 1.32]	35 / 43.68 0.80 [0.56 - 1.11]
Non-Hodgkins lymphoma (200,202)	1 / 1.17 0.85 [0.02 - 4.75]	0 / 0.00 0.00 [0.00 - 5053]	4 / 4.42 0.91 [0.25 - 2.32]	1 / 0.50 1.98 [0.05 - 11.0]	0 / 3.40 0.00 [0.00 - 1.09]	3 / 0.54 5.55 [1.14 - 16.2]	0 / 2.55 0.00 [0.00 - 1.44]	9 / 12.59 0.72 [0.33 - 1.36]
Hodgkins disease (201)	0 / 0.32 0.00 [0.00 - 11.4]	0 / 0.00 0.00 [0.00 - 1704]	3 / 1.46 2.05 [0.42 - 5.99]	0 / 0.20 0.00 [0.00 - 18.4]	0 / 0.99 0.00 [0.00 - 3.74]	0 / 0.15 0.00 [0.00 - 24.8]	2 / 0.78 2.57 [0.31 - 9.29]	5 / 3.90 1.28 [0.42 - 2.99]
Multiple myeloma (203)	0 / 0.91 0.00 [0.00 - 4.07]	0 / 0.00 0.00 [0.00 - 9008]	5 / 2.95 1.69 [0.55 - 3.96]	0 / 0.34 0.00 [0.00 - 10.9]	1 / 2.37 0.42 [0.01 - 2.35]	1 / 0.34 2.95 [0.07 - 16.4]	0 / 1.70 0.00 [0.00 - 2.17]	7 / 8.60 0.81 [0.33 - 1.68]
Leukemia & aleukemia (204-208)	0 / 1.70 0.00 [0.00 - 2.16]	0 / 0.01 0.00 [0.00 - 0557]	6 / 6.03 1.00 [0.37 - 2.17]	1 / 0.93 0.82 [0.03 - 6.02]	4 / 4.87 0.82 [0.22 - 2.10]	0 / 0.83 0.00 [0.00 - 4.45]	3 / 3.64 0.83 [0.17 - 2.41]	14 / 18.00 0.78 [0.43 - 1.31]
MENTAL DISORDERS (290-319)	1 / 3.43 0.29 [0.01 - 1.63]	0 / 0.00 0.00 [0.00 - 1112]	3 / 7.00 0.43 [0.09 - 1.25]	0 / 0.86 0.00 [0.00 - 4.28]	3 / 7.64 0.39 [0.08 - 1.15]	0 / 0.68 0.00 [0.00 - 5.43]	1 / 8.12 0.12 [0.00 - 0.69]	8 / 27.74 0.29 [0.12 - 0.57]
DIS. OF CIRCULATORY SYSTEM (390-459)	99 / 106.02 0.93 [0.76 - 1.14]	0 / 0.10 0.00 [0.00 - 37.6]	283 / 269.11 1.05 [0.93 - 1.18]	26 / 23.55 1.10 [0.72 - 1.62]	130 / 201.19 0.65 [0.54 - 0.77]	28 / 29.45 0.95 [0.63 - 1.37]	172 / 188.22 0.91 [0.78 - 1.06]	738 / 817.65 0.90 [0.84 - 0.97]
Ischaemic heart disease (410-414)	42 / 42.12 1.00 [0.72 - 1.35]	0 / 0.03 0.00 [0.00 - 0139]	148 / 129.60 1.14 [0.97 - 1.34]	13 / 10.45 1.24 [0.66 - 2.13]	62 / 91.35 0.68 [0.52 - 0.87]	9 / 14.74 0.61 [0.28 - 1.16]	92 / 91.47 1.01 [0.81 - 1.23]	366 / 379.77 0.96 [0.87 - 1.07]
DIS. OF RESPIRATORY SYSTEM (460-519)	7 / 12.71 0.55 [0.22 - 1.13]	0 / 0.02 0.00 [0.00 - 0220]	52 / 45.58 1.14 [0.85 - 1.50]	1 / 3.59 0.28 [0.01 - 1.55]	22 / 30.57 0.72 [0.45 - 1.09]	4 / 4.51 0.89 [0.24 - 2.27]	21 / 22.98 0.91 [0.57 - 1.40]	107 / 119.95 0.89 [0.73 - 1.08]
DIS. OF DIGESTIVE SYSTEM (520-579)	5 / 8.41 0.59 [0.19 - 1.39]	0 / 0.02 0.00 [0.00 - 0212]	20 / 23.70 0.84 [0.52 - 1.30]	1 / 3.34 0.30 [0.01 - 1.67]	16 / 17.65 0.91 [0.52 - 1.47]	1 / 3.44 0.29 [0.01 - 1.62]	9 / 14.55 0.62 [0.28 - 1.17]	52 / 71.11 0.73 [0.55 - 0.96]
Liver cirrhosis (571)	1 / 2.33 0.43 [0.01 - 2.39]	0 / 0.01 0.00 [0.00 - 0616]	7 / 6.57 1.07 [0.43 - 2.20]	0 / 1.44 0.00 [0.00 - 2.57]	5 / 5.20 0.96 [0.31 - 2.24]	1 / 1.45 0.69 [0.02 - 3.84]	1 / 3.15 0.32 [0.01 - 1.77]	15 / 20.14 0.74 [0.42 - 1.23]
EXTERNAL CAUSES (E800-999)	4 / 9.28 0.43 [0.12 - 1.10]	0 / 0.07 0.00 [0.00 - 52.4]	35 / 41.78 0.84 [0.58 - 1.16]	3 / 7.76 0.39 [0.08 - 1.13]	33 / 34.32 0.96 [0.66 - 1.35]	8 / 6.63 1.21 [0.52 - 2.38]	19 / 26.53 0.72 [0.43 - 1.12]	102 / 126.38 0.81 [0.66 - 0.98]

Table 2.5.3
Mortality from selected causes by employment in only one department

TOTAL COHORT Excluding Brazil,South Africa

employment in only one department	-1-	-2-	-3-	-4-	-5-	-6-	More than one department	Total
ALL CAUSES	2625 / 2731.00 0.96 [0.92 - 1.00]	31 / 43.52 0.71 [0.48 - 1.01]	3411 / 3456.67 0.99 [0.95 - 1.02]	305 / 303.37 1.01 [0.90 - 1.12]	5808 / 6769.10 0.86 [0.84 - 0.88]	1445 / 1277.68 1.13 [1.07 - 1.19]	3782 / 4402.02 0.86 [0.83 - 0.89]	17407 / 18983.35 0.92 [0.90 - 0.93]
ALL MALIGNANT NEOPLASMS (140-208)	609 / 623.63 0.98 [0.90 - 1.06]	10 / 11.07 0.90 [0.43 - 1.66]	863 / 891.83 0.97 [0.90 - 1.03]	85 / 86.64 0.98 [0.78 - 1.21]	1428 / 1593.94 0.90 [0.85 - 0.94]	406 / 360.34 1.13 [1.02 - 1.24]	882 / 1036.35 0.85 [0.80 - 0.91]	4283 / 4603.79 0.93 [0.90 - 0.96]
Oral cavity & pharynx (140-149)	11 / 12.49 0.88 [0.44 - 1.58]	0 / 0.22 0.00 [0.00 - 16.6]	9 / 20.65 0.44 [0.20 - 0.83]	3 / 1.96 1.53 [0.32 - 4.48]	26 / 36.01 0.72 [0.47 - 1.06]	14 / 9.06 1.54 [0.84 - 2.59]	16 / 25.33 0.63 [0.36 - 1.03]	79 / 105.73 0.75 [0.59 - 0.93]
Stomach (151)	76 / 73.30 1.04 [0.82 - 1.30]	3 / 1.03 2.91 [0.60 - 8.52]	67 / 78.17 0.86 [0.66 - 1.09]	2 / 4.82 0.42 [0.05 - 1.50]	130 / 171.48 0.76 [0.63 - 0.90]	19 / 28.04 0.68 [0.41 - 1.06]	83 / 99.63 0.83 [0.66 - 1.03]	380 / 456.45 0.83 [0.75 - 0.92]
Liver (155)	9 / 12.13 0.74 [0.34 - 1.41]	1 / 0.33 2.99 [0.07 - 16.7]	9 / 16.13 0.56 [0.26 - 1.06]	1 / 1.55 0.65 [0.02 - 3.60]	24 / 31.85 0.75 [0.48 - 1.12]	10 / 10.29 0.97 [0.47 - 1.79]	19 / 21.22 0.90 [0.54 - 1.40]	73 / 93.51 0.78 [0.61 - 0.98]
Larynx (161)	6 / 6.13 0.98 [0.36 - 2.13]	0 / 0.14 0.00 [0.00 - 26.9]	11 / 11.36 0.97 [0.48 - 1.73]	1 / 1.16 0.86 [0.02 - 4.79]	14 / 19.52 0.72 [0.39 - 1.20]	8 / 6.98 1.15 [0.49 - 2.26]	19 / 14.96 1.27 [0.76 - 1.98]	59 / 60.25 0.98 [0.75 - 1.26]
Lung (162)	131 / 126.26 1.04 [0.87 - 1.23]	2 / 2.92 0.68 [0.08 - 2.47]	203 / 202.88 1.00 [0.87 - 1.15]	20 / 20.51 0.97 [0.60 - 1.51]	359 / 367.12 0.98 [0.88 - 1.08]	129 / 101.32 1.27 [1.06 - 1.51]	256 / 263.39 0.97 [0.86 - 1.10]	1100 / 1084.41 1.01 [0.96 - 1.08]
Pleura (163)	5 / 2.37 2.11 [0.68 - 4.92]	0 / 0.05 0.00 [0.00 - 70.5]	3 / 3.48 0.86 [0.18 - 2.52]	1 / 0.43 2.34 [0.06 - 13.0]	16 / 6.23 2.57 [1.47 - 4.17]	4 / 1.90 2.11 [0.57 - 5.40]	6 / 4.20 1.43 [0.52 - 3.11]	35 / 18.66 1.88 [1.31 - 2.61]
Soft tissue (171)	1 / 2.66 0.38 [0.01 - 2.09]	1 / 0.04 1.00 [0.64 - 0143]	7 / 3.82 1.83 [0.74 - 3.78]	1 / 0.32 3.09 [0.08 - 17.2]	9 / 6.88 1.31 [0.60 - 2.48]	2 / 1.02 1.97 [0.24 - 7.10]	2 / 4.22 0.47 [0.06 - 1.71]	23 / 18.95 1.21 [0.77 - 1.82]
Bladder (188)	19 / 22.23 0.85 [0.51 - 1.33]	0 / 0.46 0.00 [0.00 - 8.03]	31 / 28.33 1.09 [0.74 - 1.55]	3 / 2.90 1.04 [0.21 - 3.03]	56 / 51.53 1.09 [0.82 - 1.41]	19 / 15.34 1.24 [0.75 - 1.93]	33 / 33.18 0.99 [0.68 - 1.40]	161 / 153.96 1.05 [0.89 - 1.22]
Lymphatic & hematopoietic tissue (200-208)	52 / 53.47 0.97 [0.73 - 1.28]	0 / 0.88 0.00 [0.00 - 4.18]	71 / 70.34 1.01 [0.79 - 1.27]	5 / 6.94 0.72 [0.23 - 1.68]	107 / 133.37 0.80 [0.66 - 0.97]	30 / 26.71 1.12 [0.76 - 1.60]	75 / 84.57 0.89 [0.70 - 1.11]	340 / 376.28 0.90 [0.81 - 1.00]
Non-Hodgkins lymphoma (200,202)	20 / 15.42 1.30 [0.79 - 2.00]	0 / 0.26 0.00 [0.00 - 14.4]	19 / 21.17 0.90 [0.54 - 1.40]	2 / 1.95 1.02 [0.12 - 3.70]	36 / 38.75 0.93 [0.65 - 1.29]	12 / 7.73 1.55 [0.80 - 2.71]	16 / 24.79 0.65 [0.37 - 1.05]	105 / 110.07 0.95 [0.78 - 1.15]
Hodgkins disease (201)	5 / 4.46 1.12 [0.36 - 2.62]	0 / 0.07 0.00 [0.00 - 54.1]	9 / 6.95 1.29 [0.59 - 2.46]	1 / 0.65 1.53 [0.04 - 8.51]	6 / 12.46 0.48 [0.18 - 1.05]	3 / 2.60 1.15 [0.24 - 3.37]	11 / 8.37 1.31 [0.66 - 2.35]	35 / 35.56 0.98 [0.69 - 1.37]
Multiple myeloma (203)	8 / 12.20 0.66 [0.28 - 1.29]	0 / 0.16 0.00 [0.00 - 23.0]	15 / 13.79 1.09 [0.61 - 1.79]	0 / 1.13 0.00 [0.00 - 3.26]	22 / 27.23 0.81 [0.51 - 1.22]	4 / 4.54 0.88 [0.24 - 2.26]	20 / 15.65 1.28 [0.78 - 1.97]	69 / 74.69 0.92 [0.72 - 1.17]
Leukemia & aleukemia (204-208)	19 / 21.07 0.90 [0.54 - 1.41]	0 / 0.39 0.00 [0.00 - 9.53]	28 / 28.26 0.99 [0.66 - 1.43]	2 / 3.06 0.65 [0.08 - 2.36]	43 / 53.21 0.81 [0.58 - 1.09]	11 / 11.85 0.93 [0.46 - 1.66]	28 / 34.72 0.81 [0.54 - 1.17]	131 / 152.56 0.86 [0.72 - 1.02]
MENTAL DISORDERS (290-319)	29 / 27.96 1.04 [0.69 - 1.49]	1 / 0.40 2.50 [0.06 - 13.9]	34 / 37.25 0.91 [0.63 - 1.28]	3 / 3.46 0.87 [0.18 - 2.53]	45 / 74.31 0.61 [0.44 - 0.81]	17 / 10.08 1.69 [0.98 - 2.70]	24 / 51.04 0.47 [0.30 - 0.70]	153 / 204.51 0.75 [0.63 - 0.88]
DIS. OF CIRCULATORY SYSTEM (390-459)	1294 / 1319.19 0.98 [0.93 - 1.04]	9 / 18.38 0.49 [0.22 - 0.93]	1525 / 1490.08 1.02 [0.97 - 1.08]	121 / 112.14 1.08 [0.90 - 1.29]	2800 / 3098.02 0.90 [0.87 - 0.94]	520 / 529.51 0.98 [0.90 - 1.07]	1811 / 1998.47 0.91 [0.86 - 0.95]	8080 / 8565.78 0.94 [0.92 - 0.96]
Ischaemic heart disease (410-414)	794 / 807.02 0.98 [0.92 - 1.05]	5 / 11.48 0.44 [0.14 - 1.02]	977 / 910.82 1.07 [1.01 - 1.14]	88 / 69.60 1.26 [1.01 - 1.56]	1754 / 1922.34 0.91 [0.87 - 0.96]	305 / 321.55 0.95 [0.85 - 1.06]	1122 / 1256.07 0.89 [0.84 - 0.95]	5045 / 5298.90 0.95 [0.93 - 0.98]
DIS. OF RESPIRATORY SYSTEM (460-519)	163 / 187.62 0.87 [0.74 - 1.01]	4 / 3.05 1.31 [0.36 - 3.36]	199 / 235.86 0.84 [0.73 - 0.97]	15 / 16.61 0.90 [0.51 - 1.49]	321 / 451.09 0.71 [0.64 - 0.79]	86 / 82.13 1.05 [0.84 - 1.29]	233 / 281.99 0.83 [0.72 - 0.94]	1021 / 1258.35 0.81 [0.76 - 0.86]
DIS. OF DIGESTIVE SYSTEM (520-579)	69 / 87.75 0.79 [0.61 - 1.00]	1 / 1.68 0.60 [0.01 - 3.32]	141 / 130.89 1.08 [0.91 - 1.27]	13 / 13.17 0.99 [0.53 - 1.69]	168 / 226.33 0.74 [0.63 - 0.86]	84 / 64.76 1.30 [1.03 - 1.61]	112 / 160.21 0.70 [0.58 - 0.84]	588 / 684.79 0.86 [0.79 - 0.93]
Liver cirrhosis (571)	21 / 26.63 0.79 [0.49 - 1.21]	1 / 0.79 1.27 [0.03 - 7.06]	61 / 53.73 1.14 [0.87 - 1.46]	6 / 7.10 0.84 [0.31 - 1.84]	58 / 78.93 0.73 [0.56 - 0.95]	55 / 35.27 1.56 [1.17 - 2.03]	43 / 59.31 0.72 [0.52 - 0.98]	245 / 261.76 0.94 [0.82 - 1.06]
EXTERNAL CAUSES (E800-999)	192 / 213.23 0.90 [0.78 - 1.04]	4 / 4.80 0.83 [0.23 - 2.14]	330 / 336.03 0.98 [0.88 - 1.09]	38 / 38.74 0.98 [0.69 - 1.35]	501 / 677.16 0.74 [0.68 - 0.81]	148 / 112.80 1.31 [1.11 - 1.54]	375 / 476.39 0.79 [0.71 - 0.87]	1588 / 1859.15 0.85 [0.81 - 0.90]

Table 2.5.4
Mortality from selected causes by employment in only one department

TOTAL COHORT Excluding Brazil,South Africa
Men

employment in only one department	-1-	-2-	-3-	-4-	-5-	-6-	More than one department	Total
ALL CAUSES	2449 / 2517.35 0.97 [0.93 - 1.01]	30 / 43.10 0.70 [0.47 - 0.99]	2724 / 2792.55 0.98 [0.94 - 1.01]	243 / 228.90 1.06 [0.93 - 1.20]	5447 / 6288.10 0.87 [0.84 - 0.89]	1363 / 1195.39 1.14 [1.08 - 1.20]	3447 / 3991.76 0.86 [0.83 - 0.89]	15703 / 17057.13 0.92 [0.91 - 0.94]
ALL MALIGNANT NEOPLASMS (140-208)	564 / 573.70 0.98 [0.90 - 1.07]	9 / 10.92 0.82 [0.38 - 1.56]	644 / 686.52 0.94 [0.87 - 1.01]	61 / 60.89 1.00 [0.77 - 1.29]	1305 / 1451.21 0.90 [0.85 - 0.95]	373 / 332.42 1.12 [1.01 - 1.24]	797 / 929.87 0.86 [0.80 - 0.92]	3753 / 4045.54 0.93 [0.90 - 0.96]
Oral cavity & pharynx (140-149)	11 / 11.99 0.92 [0.46 - 1.64]	0 / 0.22 0.00 [0.00 - 16.7]	8 / 18.66 0.43 [0.19 - 0.84]	3 / 1.71 1.76 [0.36 - 5.14]	23 / 34.61 0.66 [0.42 - 1.00]	14 / 8.80 1.59 [0.87 - 2.67]	16 / 24.26 0.66 [0.38 - 1.07]	75 / 100.26 0.75 [0.59 - 0.94]
Stomach (151)	70 / 68.01 1.03 [0.80 - 1.30]	3 / 1.02 2.94 [0.61 - 8.58]	52 / 65.13 0.80 [0.60 - 1.05]	2 / 3.59 0.56 [0.07 - 2.01]	127 / 161.33 0.79 [0.66 - 0.94]	19 / 26.83 0.71 [0.43 - 1.11]	75 / 90.67 0.83 [0.65 - 1.04]	348 / 416.58 0.84 [0.75 - 0.93]
Liver (155)	6 / 10.60 0.57 [0.21 - 1.23]	1 / 0.33 3.05 [0.08 - 17.0]	7 / 13.60 0.51 [0.21 - 1.06]	1 / 1.06 0.95 [0.02 - 5.27]	21 / 29.23 0.72 [0.44 - 1.10]	10 / 9.86 1.01 [0.49 - 1.86]	17 / 18.76 0.91 [0.53 - 1.45]	63 / 83.43 0.76 [0.58 - 0.97]
Larynx (161)	6 / 6.03 0.99 [0.36 - 2.16]	0 / 0.14 0.00 [0.00 - 27.0]	10 / 10.94 0.91 [0.44 - 1.68]	1 / 1.10 0.91 [0.02 - 5.06]	14 / 19.28 0.73 [0.40 - 1.22]	8 / 6.90 1.16 [0.50 - 2.28]	19 / 14.78 1.29 [0.77 - 2.01]	58 / 59.17 0.98 [0.74 - 1.27]
Lung (162)	128 / 123.13 1.04 [0.87 - 1.24]	2 / 2.91 0.69 [0.08 - 2.49]	170 / 180.14 0.94 [0.81 - 1.10]	18 / 18.18 0.99 [0.59 - 1.56]	347 / 355.76 0.98 [0.88 - 1.08]	123 / 98.00 1.26 [1.04 - 1.50]	246 / 255.46 0.96 [0.85 - 1.09]	1034 / 1033.57 1.00 [0.94 - 1.06]
Pleura (163)	4 / 2.23 1.79 [0.49 - 4.59]	0 / 0.05 0.00 [0.00 - 70.6]	3 / 3.21 0.94 [0.19 - 2.74]	0 / 0.38 0.00 [0.00 - 9.67]	15 / 6.01 2.50 [1.40 - 4.12]	4 / 1.83 2.19 [0.60 - 5.60]	5 / 3.99 1.25 [0.41 - 2.93]	31 / 17.70 1.75 [1.19 - 2.49]
Soft tissue (171)	1 / 2.48 0.40 [0.01 - 2.25]	1 / 0.04 25.80 [0.65 - 0144]	5 / 2.92 1.71 [0.56 - 4.00]	1 / 0.22 4.54 [0.11 - 25.3]	6 / 6.16 0.97 [0.36 - 2.12]	2 / 0.93 2.16 [0.26 - 7.81]	1 / 3.74 0.27 [0.01 - 1.49]	17 / 16.49 1.03 [0.60 - 1.65]
Bladder (188)	19 / 21.49 0.88 [0.53 - 1.38]	0 / 0.46 0.00 [0.00 - 8.05]	25 / 25.14 0.99 [0.64 - 1.47]	3 / 2.59 1.16 [0.24 - 3.38]	54 / 49.70 1.09 [0.82 - 1.42]	18 / 14.88 1.21 [0.72 - 1.91]	33 / 31.86 1.04 [0.71 - 1.45]	152 / 146.12 1.04 [0.88 - 1.22]
Lymphatic & hematopoietic tissue (200-208)	51 / 49.33 1.03 [0.77 - 1.36]	0 / 0.87 0.00 [0.00 - 4.24]	53 / 55.46 0.96 [0.72 - 1.25]	3 / 4.88 0.61 [0.13 - 1.80]	102 / 121.64 0.84 [0.68 - 1.02]	26 / 24.85 1.05 [0.68 - 1.53]	70 / 75.74 0.92 [0.72 - 1.17]	305 / 332.77 0.92 [0.82 - 1.03]
Non-Hodgkins lymphoma (200,202)	19 / 14.24 1.33 [0.80 - 2.08]	0 / 0.25 0.00 [0.00 - 14.5]	15 / 16.76 0.90 [0.50 - 1.48]	1 / 1.45 0.69 [0.02 - 3.85]	36 / 35.36 1.02 [0.71 - 1.41]	9 / 7.18 1.25 [0.57 - 2.38]	16 / 22.24 0.72 [0.41 - 1.17]	96 / 97.48 0.98 [0.80 - 1.20]
Hodgkins disease (201)	5 / 4.14 1.21 [0.39 - 2.82]	0 / 0.07 0.00 [0.00 - 55.9]	6 / 5.49 1.09 [0.40 - 2.38]	1 / 0.45 2.20 [0.06 - 12.3]	6 / 11.47 0.52 [0.19 - 1.14]	3 / 2.45 1.22 [0.25 - 3.57]	9 / 7.59 1.19 [0.54 - 2.25]	30 / 31.66 0.95 [0.64 - 1.35]
Multiple myeloma (203)	8 / 11.29 0.71 [0.31 - 1.40]	0 / 0.16 0.00 [0.00 - 23.1]	10 / 10.84 0.92 [0.44 - 1.70]	0 / 0.80 0.00 [0.00 - 4.63]	21 / 24.86 0.84 [0.52 - 1.29]	3 / 4.20 0.71 [0.15 - 2.09]	20 / 13.95 1.43 [0.88 - 2.21]	62 / 66.09 0.94 [0.72 - 1.20]
Leukemia & aleukemia (204-208)	19 / 19.37 0.98 [0.59 - 1.53]	0 / 0.38 0.00 [0.00 - 9.69]	22 / 22.24 0.99 [0.62 - 1.50]	1 / 2.13 0.47 [0.01 - 2.61]	39 / 48.43 0.81 [0.57 - 1.10]	11 / 11.02 1.00 [0.50 - 1.79]	25 / 31.08 0.80 [0.52 - 1.19]	117 / 134.65 0.87 [0.72 - 1.04]
MENTAL DISORDERS (290-319)	28 / 24.53 1.14 [0.76 - 1.65]	1 / 0.40 2.52 [0.06 - 14.0]	31 / 30.25 1.02 [0.70 - 1.45]	3 / 2.60 1.15 [0.24 - 3.37]	42 / 66.73 0.63 [0.45 - 0.85]	17 / 9.40 1.81 [1.05 - 2.90]	23 / 42.92 0.54 [0.34 - 0.80]	145 / 176.82 0.82 [0.69 - 0.96]
DIS. OF CIRCULATORY SYSTEM (390-459)	1195 / 1213.18 0.99 [0.93 - 1.04]	9 / 18.28 0.49 [0.23 - 0.93]	1242 / 1221.10 1.02 [0.96 - 1.08]	95 / 88.58 1.07 [0.87 - 1.31]	2670 / 2900.70 0.92 [0.89 - 0.96]	492 / 500.06 0.98 [0.90 - 1.07]	1639 / 1810.27 0.91 [0.86 - 0.95]	7342 / 7752.17 0.95 [0.93 - 0.97]
Ischaemic heart disease (410-414)	752 / 764.90 0.98 [0.91 - 1.06]	5 / 11.45 0.44 [0.14 - 1.02]	829 / 781.25 1.06 [0.99 - 1.14]	75 / 59.15 1.27 [1.00 - 1.59]	1692 / 1831.78 0.92 [0.88 - 0.97]	296 / 306.81 0.96 [0.86 - 1.08]	1030 / 1164.61 0.88 [0.83 - 0.94]	4679 / 4919.95 0.95 [0.92 - 0.98]
DIS. OF RESPIRATORY SYSTEM (460-519)	156 / 174.91 0.89 [0.76 - 1.04]	4 / 3.03 1.32 [0.36 - 3.38]	147 / 190.31 0.77 [0.65 - 0.91]	14 / 13.03 1.07 [0.59 - 1.80]	300 / 421.24 0.71 [0.63 - 0.80]	82 / 77.62 1.06 [0.84 - 1.31]	212 / 259.01 0.82 [0.71 - 0.94]	915 / 1139.15 0.80 [0.75 - 0.86]
DIS. OF DIGESTIVE SYSTEM (520-579)	64 / 79.34 0.81 [0.62 - 1.03]	1 / 1.66 0.60 [0.02 - 3.35]	121 / 107.21 1.13 [0.94 - 1.35]	12 / 9.83 1.22 [0.63 - 2.13]	154 / 209.32 0.74 [0.62 - 0.86]	83 / 61.32 1.35 [1.08 - 1.68]	103 / 145.67 0.71 [0.58 - 0.86]	538 / 614.35 0.88 [0.80 - 0.95]
Liver cirrhosis (571)	20 / 24.30 0.82 [0.50 - 1.27]	1 / 0.78 1.28 [0.03 - 7.11]	54 / 47.17 1.14 [0.86 - 1.49]	6 / 5.67 1.06 [0.39 - 2.30]	54 / 73.97 0.73 [0.55 - 0.95]	54 / 33.81 1.60 [1.20 - 2.08]	42 / 56.17 0.75 [0.54 - 1.01]	231 / 241.87 0.96 [0.84 - 1.09]
EXTERNAL CAUSES (E800-999)	188 / 203.96 0.92 [0.79 - 1.06]	4 / 4.73 0.85 [0.23 - 2.17]	295 / 294.29 1.00 [0.89 - 1.12]	35 / 30.98 1.13 [0.79 - 1.57]	470 / 644.17 0.73 [0.67 - 0.80]	140 / 106.17 1.32 [1.11 - 1.56]	356 / 449.88 0.79 [0.71 - 0.88]	1488 / 1734.18 0.86 [0.81 - 0.90]

Table 2.5.4
Mortality from selected causes by employment in only one department

TOTAL COHORT Excluding Brazil,South Africa
Women

employment in only one department	-1-	-2-	-3-	-4-	-5-	-6-	More than one department	Total
ALL CAUSES	176 / 213.65 0.82 [0.71 - 0.95]	1 / 0.42 2.38 [0.06 - 13.2]	687 / 664.13 1.03 [0.96 - 1.11]	62 / 74.47 0.83 [0.64 - 1.07]	361 / 481.00 0.75 [0.68 - 0.83]	82 / 82.29 1.00 [0.79 - 1.24]	335 / 410.26 0.82 [0.73 - 0.91]	1704 / 1926.22 0.88 [0.84 - 0.93]
ALL MALIGNANT NEOPLASMS (140-208)	45 / 49.93 0.90 [0.66 - 1.21]	1 / 0.14 6.94 [0.17 - 38.7]	219 / 205.30 1.07 [0.93 - 1.22]	24 / 25.74 0.93 [0.60 - 1.39]	123 / 142.73 0.86 [0.72 - 1.03]	33 / 27.92 1.18 [0.81 - 1.66]	85 / 106.48 0.80 [0.64 - 0.99]	530 / 558.25 0.95 [0.87 - 1.03]
Oral cavity & pharynx (140-149)	0 / 0.51 0.00 [0.00 - 7.30]	0 / 0.00 0.00 [0.00 - 2869]	1 / 1.98 0.50 [0.01 - 2.81]	0 / 0.25 0.00 [0.00 - 14.5]	3 / 1.40 2.14 [0.44 - 6.26]	0 / 0.26 0.00 [0.00 - 14.1]	0 / 1.07 0.00 [0.00 - 3.45]	4 / 5.47 0.73 [0.20 - 1.87]
Stomach (151)	6 / 5.29 1.13 [0.42 - 2.47]	0 / 0.01 0.00 [0.00 - 0502]	15 / 13.04 1.15 [0.64 - 1.90]	0 / 1.23 0.00 [0.00 - 3.00]	3 / 10.14 0.30 [0.06 - 0.86]	0 / 1.21 0.00 [0.00 - 3.05]	8 / 8.95 0.89 [0.39 - 1.76]	32 / 39.87 0.80 [0.55 - 1.13]
Liver (155)	3 / 1.53 1.96 [0.40 - 5.72]	0 / 0.01 0.00 [0.00 - 0616]	2 / 2.54 0.79 [0.10 - 2.85]	0 / 0.49 0.00 [0.00 - 7.53]	3 / 2.62 1.14 [0.24 - 3.34]	0 / 0.43 0.00 [0.00 - 8.56]	2 / 2.45 0.82 [0.10 - 2.95]	10 / 10.07 0.99 [0.48 - 1.83]
Larynx (161)	0 / 0.09 0.00 [0.00 - 39.7]	0 / 0.00 0.00 [0.00 - 6161]	1 / 0.43 2.34 [0.06 - 13.0]	0 / 0.06 0.00 [0.00 - 58.6]	0 / 0.24 0.00 [0.00 - 15.4]	0 / 0.07 0.00 [0.00 - 49.3]	0 / 0.18 0.00 [0.00 - 20.4]	1 / 1.08 0.93 [0.02 - 5.17]
Lung (162)	3 / 3.13 0.96 [0.20 - 2.80]	0 / 0.01 0.00 [0.00 - 0252]	33 / 22.75 1.45 [1.00 - 2.04]	2 / 2.33 0.86 [0.10 - 3.09]	12 / 11.36 1.06 [0.55 - 1.85]	6 / 3.32 1.81 [0.66 - 3.93]	10 / 7.94 1.26 [0.60 - 2.32]	66 / 50.84 1.30 [1.00 - 1.65]
Pleura (163)	1 / 0.14 7.36 [0.18 - 41.0]	0 / 0.00 0.00 [0.00 - 52E3]	0 / 0.27 0.00 [0.00 - 13.6]	1 / 0.05 21.70 [0.54 - 0121]	1 / 0.22 4.50 [0.11 - 25.0]	0 / 0.07 0.00 [0.00 - 53.4]	1 / 0.22 4.63 [0.12 - 25.8]	4 / 0.96 4.16 [1.13 - 10.7]
Soft tissue (171)	0 / 0.18 0.00 [0.00 - 20.1]	0 / 0.00 0.00 [0.00 - 28E3]	2 / 0.90 2.23 [0.27 - 8.06]	0 / 0.10 0.00 [0.00 - 35.9]	3 / 0.71 4.20 [0.87 - 12.3]	0 / 0.09 0.00 [0.00 - 40.1]	1 / 0.47 2.11 [0.05 - 11.7]	6 / 2.46 2.43 [0.89 - 5.30]
Bladder (188)	0 / 0.75 0.00 [0.00 - 4.95]	0 / 0.00 0.00 [0.00 - 4182]	6 / 3.19 1.88 [0.69 - 4.10]	0 / 0.30 0.00 [0.00 - 12.2]	2 / 1.83 1.09 [0.13 - 3.95]	1 / 0.45 2.21 [0.06 - 12.3]	0 / 1.33 0.00 [0.00 - 2.78]	9 / 7.84 1.15 [0.52 - 2.18]
Lymphatic & hematopoietic tissue (200-208)	1 / 4.14 0.24 [0.01 - 1.35]	0 / 0.01 0.00 [0.00 - 0294]	18 / 14.89 1.21 [0.72 - 1.91]	2 / 2.05 0.97 [0.12 - 3.52]	5 / 11.73 0.43 [0.14 - 0.99]	4 / 1.86 2.15 [0.59 - 5.51]	5 / 8.83 0.57 [0.18 - 1.32]	35 / 43.51 0.80 [0.56 - 1.12]
Non-Hodgkins lymphoma (200,202)	1 / 1.17 0.85 [0.02 - 4.75]	0 / 0.00 0.00 [0.00 - 5053]	4 / 4.42 0.91 [0.25 - 2.32]	1 / 0.50 1.98 [0.05 - 11.0]	0 / 3.40 0.00 [0.00 - 1.09]	3 / 0.54 5.55 [1.14 - 16.2]	0 / 2.55 0.00 [0.00 - 1.44]	9 / 12.59 0.72 [0.33 - 1.36]
Hodgkins disease (201)	0 / 0.32 0.00 [0.00 - 11.4]	0 / 0.00 0.00 [0.00 - 1704]	3 / 1.46 2.05 [0.42 - 5.99]	0 / 0.20 0.00 [0.00 - 18.4]	0 / 0.99 0.00 [0.00 - 3.74]	0 / 0.15 0.00 [0.00 - 24.8]	2 / 0.78 2.57 [0.31 - 9.29]	5 / 3.90 1.28 [0.42 - 2.99]
Multiple myeloma (203)	0 / 0.91 0.00 [0.00 - 4.07]	0 / 0.00 0.00 [0.00 - 9008]	5 / 2.95 1.69 [0.55 - 3.96]	0 / 0.34 0.00 [0.00 - 10.9]	1 / 2.37 0.42 [0.01 - 2.35]	1 / 0.34 2.95 [0.07 - 16.4]	0 / 1.70 0.00 [0.00 - 2.17]	7 / 8.60 0.81 [0.33 - 1.68]
Leukemia & aleukemia (204-208)	0 / 1.70 0.00 [0.00 - 2.16]	0 / 0.01 0.00 [0.00 - 0557]	6 / 6.03 1.00 [0.37 - 2.17]	1 / 0.93 1.08 [0.03 - 6.02]	4 / 4.78 0.84 [0.23 - 2.14]	0 / 0.83 0.00 [0.00 - 4.45]	3 / 3.63 0.83 [0.17 - 2.41]	14 / 17.90 0.78 [0.43 - 1.31]
MENTAL DISORDERS (290-319)	1 / 3.43 0.29 [0.01 - 1.63]	0 / 0.00 0.00 [0.00 - 1112]	3 / 7.00 0.43 [0.09 - 1.25]	0 / 0.86 0.00 [0.00 - 4.28]	3 / 7.59 0.40 [0.08 - 1.16]	0 / 0.68 0.00 [0.00 - 5.43]	1 / 8.12 0.12 [0.00 - 0.69]	8 / 27.68 0.29 [0.12 - 0.57]
DIS. OF CIRCULATORY SYSTEM (390-459)	99 / 106.01 0.93 [0.76 - 1.14]	0 / 0.10 0.00 [0.00 - 37.6]	283 / 268.98 1.05 [0.93 - 1.18]	26 / 23.55 1.10 [0.72 - 1.62]	130 / 197.32 0.66 [0.55 - 0.78]	28 / 29.45 0.95 [0.63 - 1.37]	172 / 188.20 0.91 [0.78 - 1.06]	738 / 813.61 0.91 [0.84 - 0.97]
Ischaemic heart disease (410-414)	42 / 42.12 1.00 [0.72 - 1.35]	0 / 0.03 0.00 [0.00 - 0139]	148 / 129.58 1.14 [0.97 - 1.34]	13 / 10.45 1.24 [0.66 - 2.13]	62 / 90.57 0.68 [0.52 - 0.88]	9 / 14.74 0.61 [0.28 - 1.16]	92 / 91.47 1.01 [0.81 - 1.23]	366 / 378.95 0.97 [0.87 - 1.07]
DIS. OF RESPIRATORY SYSTEM (460-519)	7 / 12.71 0.55 [0.22 - 1.14]	0 / 0.02 0.00 [0.00 - 0220]	52 / 45.56 1.14 [0.85 - 1.50]	1 / 3.59 0.28 [0.01 - 1.55]	21 / 29.85 0.70 [0.44 - 1.08]	4 / 4.51 0.89 [0.24 - 2.27]	21 / 22.98 0.91 [0.57 - 1.40]	106 / 119.20 0.89 [0.73 - 1.08]
DIS. OF DIGESTIVE SYSTEM (520-579)	5 / 8.41 0.59 [0.19 - 1.39]	0 / 0.02 0.00 [0.00 - 0212]	20 / 23.67 0.84 [0.52 - 1.30]	1 / 3.34 0.30 [0.01 - 1.67]	14 / 17.01 0.82 [0.45 - 1.38]	1 / 3.44 0.29 [0.01 - 1.62]	9 / 14.54 0.62 [0.28 - 1.18]	50 / 70.44 0.71 [0.53 - 0.94]
Liver cirrhosis (571)	1 / 2.33 0.43 [0.01 - 2.39]	0 / 0.01 0.00 [0.00 - 0616]	7 / 6.56 1.07 [0.43 - 2.20]	0 / 1.44 0.00 [0.00 - 2.57]	4 / 4.96 0.81 [0.22 - 2.06]	1 / 1.45 0.69 [0.02 - 3.84]	1 / 3.14 0.32 [0.01 - 1.77]	14 / 19.89 0.70 [0.38 - 1.18]
EXTERNAL CAUSES (E800-999)	4 / 9.27 0.43 [0.12 - 1.10]	0 / 0.07 0.00 [0.00 - 52.4]	35 / 41.73 0.84 [0.58 - 1.17]	3 / 7.76 0.39 [0.08 - 1.13]	31 / 32.99 0.94 [0.64 - 1.33]	8 / 6.63 1.21 [0.52 - 2.38]	19 / 26.51 0.72 [0.43 - 1.12]	100 / 124.97 0.80 [0.65 - 0.97]

Table 2.6.1
Mortality from selected causes by department of longest employment

TOTAL COHORT

department of longest employment	-1-	-2-	-3-	-4-	-5-	-6-	Total
ALL CAUSES	3644 / 3864.10 0.94 [0.91 - 0.97]	55 / 77.55 0.71 [0.53 - 0.92]	4401 / 4578.39 0.96 [0.93 - 0.99]	363 / 386.41 0.94 [0.85 - 1.04]	7379 / 8732.81 0.84 [0.83 - 0.86]	1774 / 1612.25 1.10 [1.05 - 1.15]	17616 / 19251.52 0.92 [0.90 - 0.93]
ALL MALIGNANT NEOPLASMS (140-208)	846 / 876.12 0.97 [0.90 - 1.03]	15 / 18.94 0.79 [0.44 - 1.31]	1108 / 1171.74 0.95 [0.89 - 1.00]	102 / 106.04 0.96 [0.78 - 1.17]	1783 / 2019.55 0.88 [0.84 - 0.92]	459 / 435.59 1.05 [0.96 - 1.15]	4313 / 4627.99 0.93 [0.90 - 0.96]
Oral cavity & pharynx (140-149)	13 / 18.29 0.71 [0.38 - 1.22]	0 / 0.41 0.00 [0.00 - 9.04]	14 / 28.29 0.49 [0.27 - 0.83]	3 / 2.45 1.22 [0.25 - 3.57]	35 / 47.67 0.73 [0.51 - 1.02]	15 / 10.15 1.48 [0.83 - 2.44]	80 / 107.27 0.75 [0.59 - 0.93]
Stomach (151)	101 / 100.06 1.01 [0.82 - 1.23]	3 / 1.89 1.59 [0.33 - 4.64]	87 / 100.85 0.86 [0.69 - 1.06]	3 / 6.20 0.48 [0.10 - 1.41]	164 / 213.33 0.77 [0.66 - 0.90]	22 / 37.76 0.58 [0.37 - 0.88]	380 / 460.08 0.83 [0.74 - 0.91]
Liver (155)	15 / 17.44 0.86 [0.48 - 1.42]	1 / 0.55 1.82 [0.05 - 10.1]	15 / 21.91 0.68 [0.38 - 1.13]	2 / 2.05 0.97 [0.12 - 3.52]	30 / 42.42 0.71 [0.48 - 1.01]	10 / 11.87 0.84 [0.40 - 1.55]	73 / 96.23 0.76 [0.59 - 0.95]
Larynx (161)	10 / 9.49 1.05 [0.51 - 1.94]	0 / 0.28 0.00 [0.00 - 13.4]	14 / 15.83 0.88 [0.48 - 1.48]	1 / 1.46 0.69 [0.02 - 3.82]	26 / 26.64 0.98 [0.64 - 1.43]	10 / 7.56 1.32 [0.63 - 2.43]	61 / 61.25 1.00 [0.76 - 1.28]
Lung (162)	205 / 189.39 1.08 [0.94 - 1.24]	4 / 5.47 0.73 [0.20 - 1.87]	274 / 275.39 0.99 [0.88 - 1.12]	25 / 24.87 1.01 [0.65 - 1.48]	463 / 476.60 0.97 [0.88 - 1.06]	142 / 116.27 1.22 [1.03 - 1.44]	1113 / 1088.00 1.02 [0.96 - 1.08]
Pleura (163)	8 / 3.34 2.39 [1.03 - 4.72]	0 / 0.07 0.00 [0.00 - 51.1]	3 / 4.75 0.63 [0.13 - 1.85]	1 / 0.51 1.95 [0.05 - 10.9]	18 / 7.95 2.27 [1.34 - 3.58]	5 / 2.04 2.45 [0.80 - 5.72]	35 / 18.66 1.88 [1.31 - 2.61]
Soft tissue (171)	1 / 3.74 0.27 [0.01 - 1.49]	1 / 0.06 17.00 [0.42 - 94.5]	8 / 4.94 1.62 [0.70 - 3.19]	1 / 0.42 2.41 [0.06 - 13.4]	10 / 8.56 1.17 [0.56 - 2.15]	2 / 1.23 1.62 [0.20 - 5.86]	23 / 18.95 1.21 [0.77 - 1.82]
Bladder (188)	27 / 29.62 0.91 [0.60 - 1.33]	1 / 0.71 1.41 [0.04 - 7.85]	44 / 37.57 1.17 [0.85 - 1.57]	4 / 3.31 1.21 [0.33 - 3.10]	64 / 64.47 0.99 [0.76 - 1.27]	21 / 18.61 1.13 [0.70 - 1.72]	161 / 154.29 1.04 [0.89 - 1.22]
Lymphatic & hematopoietic tissue (200-208)	75 / 74.67 1.00 [0.79 - 1.26]	2 / 1.43 1.40 [0.17 - 5.06]	88 / 92.87 0.95 [0.76 - 1.17]	8 / 8.74 0.92 [0.40 - 1.80]	138 / 168.55 0.82 [0.69 - 0.97]	33 / 32.35 1.02 [0.70 - 1.43]	344 / 378.61 0.91 [0.82 - 1.01]
Non-Hodgkins lymphoma (200,202)	23 / 21.70 1.06 [0.67 - 1.59]	0 / 0.38 0.00 [0.00 - 9.73]	23 / 27.88 0.83 [0.52 - 1.24]	3 / 2.43 1.23 [0.25 - 3.60]	45 / 48.51 0.93 [0.68 - 1.24]	12 / 9.17 1.31 [0.68 - 2.29]	106 / 110.07 0.96 [0.79 - 1.16]
Hodgkins disease (201)	6 / 6.42 0.93 [0.34 - 2.03]	1 / 0.13 7.68 [0.19 - 42.8]	11 / 9.27 1.19 [0.59 - 2.12]	2 / 0.88 2.27 [0.28 - 8.21]	12 / 15.77 0.76 [0.39 - 1.33]	3 / 3.09 0.97 [0.20 - 2.84]	35 / 35.56 0.98 [0.69 - 1.37]
Multiple myeloma (203)	15 / 16.35 0.92 [0.51 - 1.51]	1 / 0.23 4.28 [0.11 - 23.8]	20 / 17.78 1.12 [0.69 - 1.74]	0 / 1.35 0.00 [0.00 - 2.72]	28 / 33.34 0.84 [0.56 - 1.21]	6 / 5.64 1.06 [0.39 - 2.32]	70 / 74.69 0.94 [0.73 - 1.18]
Leukemia & aleukemia (204-208)	31 / 29.51 1.05 [0.71 - 1.49]	0 / 0.62 0.00 [0.00 - 5.95]	34 / 37.56 0.91 [0.63 - 1.26]	3 / 3.84 0.78 [0.16 - 2.29]	53 / 67.67 0.78 [0.59 - 1.02]	12 / 14.51 0.83 [0.43 - 1.44]	133 / 153.70 0.87 [0.72 - 1.03]
MENTAL DISORDERS (290-319)	31 / 42.13 0.74 [0.50 - 1.04]	1 / 0.68 1.47 [0.04 - 8.22]	43 / 50.29 0.86 [0.62 - 1.15]	3 / 4.51 0.67 [0.14 - 1.95]	57 / 97.83 0.58 [0.44 - 0.75]	18 / 11.87 1.52 [0.90 - 2.40]	153 / 207.31 0.74 [0.63 - 0.86]
DIS. OF CIRCULATORY SYSTEM (390-459)	1765 / 1849.21 0.95 [0.91 - 1.00]	18 / 32.93 0.55 [0.32 - 0.86]	1970 / 1967.43 1.00 [0.96 - 1.05]	144 / 142.04 1.01 [0.85 - 1.19]	3499 / 3936.17 0.89 [0.86 - 0.92]	712 / 704.04 1.01 [0.94 - 1.09]	8108 / 8631.81 0.94 [0.92 - 0.96]
Ischaemic heart disease (410-414)	1074 / 1138.08 0.94 [0.89 - 1.00]	10 / 19.97 0.50 [0.24 - 0.92]	1264 / 1211.64 1.04 [0.99 - 1.10]	100 / 86.90 1.15 [0.94 - 1.40]	2182 / 2433.42 0.90 [0.86 - 0.94]	425 / 430.14 0.99 [0.90 - 1.09]	5055 / 5320.15 0.95 [0.92 - 0.98]
DIS. OF RESPIRATORY SYSTEM (460-519)	225 / 260.54 0.86 [0.75 - 0.98]	7 / 5.63 1.24 [0.50 - 2.56]	257 / 305.27 0.84 [0.74 - 0.95]	17 / 20.19 0.84 [0.49 - 1.35]	418 / 577.15 0.72 [0.66 - 0.80]	107 / 103.13 1.04 [0.85 - 1.25]	1031 / 1271.91 0.81 [0.76 - 0.86]
DIS. OF DIGESTIVE SYSTEM (520-579)	96 / 126.74 0.76 [0.61 - 0.92]	1 / 2.89 0.35 [0.01 - 1.93]	174 / 175.78 0.99 [0.85 - 1.15]	16 / 16.91 0.95 [0.54 - 1.54]	218 / 304.27 0.72 [0.62 - 0.82]	98 / 76.69 1.28 [1.04 - 1.56]	603 / 703.27 0.86 [0.79 - 0.93]
Liver cirrhosis (571)	33 / 39.87 0.83 [0.57 - 1.16]	1 / 1.24 0.81 [0.02 - 4.50]	72 / 73.43 0.98 [0.77 - 1.23]	8 / 8.99 0.89 [0.38 - 1.75]	83 / 111.76 0.74 [0.59 - 0.92]	57 / 37.00 1.54 [1.17 - 2.00]	254 / 272.29 0.93 [0.82 - 1.05]
EXTERNAL CAUSES (E800-999)	288 / 332.89 0.87 [0.77 - 0.97]	7 / 9.28 0.75 [0.30 - 1.55]	448 / 467.43 0.96 [0.87 - 1.05]	48 / 55.94 0.86 [0.63 - 1.14]	664 / 931.23 0.71 [0.66 - 0.77]	167 / 134.29 1.24 [1.06 - 1.45]	1622 / 1931.08 0.84 [0.80 - 0.88]

Table 2.6.2
Mortality from selected causes by department of longest employment

TOTAL COHORT
Men

department of longest employment	-1-	-2-	-3-	-4-	-5-	-6-	Total
ALL CAUSES	3386 / 3529.48 0.96 [0.93 - 0.99]	53 / 76.47 0.69 [0.52 - 0.91]	3601 / 3784.74 0.95 [0.92 - 0.98]	290 / 292.45 0.99 [0.88 - 1.11]	6921 / 8133.27 0.85 [0.83 - 0.87]	1650 / 1495.19 1.10 [1.05 - 1.16]	15901 / 17311.61 0.92 [0.90 - 0.93]
ALL MALIGNANT NEOPLASMS (140-208)	784 / 799.49 0.98 [0.91 - 1.05]	14 / 18.59 0.75 [0.41 - 1.26]	860 / 931.95 0.92 [0.86 - 0.99]	75 / 74.14 1.01 [0.80 - 1.27]	1632 / 1844.60 0.88 [0.84 - 0.93]	418 / 398.83 1.05 [0.95 - 1.15]	3783 / 4067.60 0.93 [0.90 - 0.96]
Oral cavity & pharynx (140-149)	13 / 17.50 0.74 [0.40 - 1.27]	0 / 0.41 0.00 [0.00 - 9.11]	13 / 25.97 0.50 [0.27 - 0.86]	3 / 2.14 1.40 [0.29 - 4.09]	32 / 45.95 0.70 [0.48 - 0.98]	15 / 9.81 1.53 [0.86 - 2.52]	76 / 101.77 0.75 [0.59 - 0.93]
Stomach (151)	92 / 91.94 1.00 [0.81 - 1.23]	3 / 1.87 1.60 [0.33 - 4.69]	71 / 85.13 0.83 [0.65 - 1.05]	3 / 4.59 0.65 [0.13 - 1.91]	157 / 200.67 0.78 [0.66 - 0.91]	22 / 35.87 0.61 [0.38 - 0.93]	348 / 420.07 0.83 [0.74 - 0.92]
Liver (155)	11 / 15.21 0.72 [0.36 - 1.29]	1 / 0.53 1.88 [0.05 - 10.5]	12 / 18.70 0.64 [0.33 - 1.12]	2 / 1.39 1.44 [0.17 - 5.21]	27 / 38.87 0.69 [0.46 - 1.01]	10 / 11.25 0.89 [0.43 - 1.64]	63 / 85.95 0.73 [0.56 - 0.94]
Larynx (161)	10 / 9.36 1.07 [0.51 - 1.96]	0 / 0.27 0.00 [0.00 - 13.4]	13 / 15.33 0.85 [0.45 - 1.45]	1 / 1.38 0.72 [0.02 - 4.03]	26 / 26.34 0.99 [0.64 - 1.45]	10 / 7.47 1.34 [0.64 - 2.46]	60 / 60.16 1.00 [0.76 - 1.28]
Lung (162)	200 / 184.59 1.08 [0.94 - 1.24]	4 / 5.45 0.73 [0.20 - 1.88]	238 / 249.78 0.95 [0.84 - 1.08]	22 / 22.09 1.00 [0.62 - 1.51]	449 / 462.87 0.97 [0.88 - 1.06]	134 / 112.27 1.19 [1.00 - 1.41]	1047 / 1037.05 1.01 [0.95 - 1.07]
Pleura (163)	6 / 3.14 1.91 [0.70 - 4.15]	0 / 0.07 0.00 [0.00 - 51.2]	3 / 4.41 0.68 [0.14 - 1.99]	0 / 0.45 0.00 [0.00 - 8.13]	17 / 7.66 2.22 [1.29 - 3.55]	5 / 1.96 2.55 [0.83 - 5.95]	31 / 17.70 1.75 [1.19 - 2.49]
Soft tissue (171)	1 / 3.43 0.29 [0.01 - 1.63]	1 / 0.06 17.00 [0.43 - 94.9]	5 / 3.91 1.28 [0.42 - 2.99]	1 / 0.29 3.50 [0.09 - 19.5]	7 / 7.69 0.91 [0.37 - 1.88]	2 / 1.12 1.79 [0.22 - 6.46]	17 / 16.49 1.03 [0.60 - 1.65]
Bladder (188)	27 / 28.57 0.95 [0.62 - 1.38]	1 / 0.71 1.41 [0.04 - 7.87]	38 / 33.89 1.12 [0.79 - 1.54]	4 / 2.95 1.36 [0.37 - 3.47]	62 / 62.34 0.99 [0.76 - 1.28]	20 / 17.98 1.11 [0.68 - 1.72]	152 / 146.43 1.04 [0.88 - 1.22]
Lymphatic & hematopoietic tissue (200-208)	74 / 68.15 1.09 [0.85 - 1.36]	2 / 1.39 1.43 [0.17 - 5.18]	69 / 75.27 0.92 [0.71 - 1.16]	6 / 6.15 0.98 [0.36 - 2.12]	130 / 154.05 0.84 [0.71 - 1.00]	28 / 29.92 0.94 [0.62 - 1.35]	309 / 334.93 0.92 [0.82 - 1.03]
Non-Hodgkins lymphoma (200,202)	22 / 19.77 1.11 [0.70 - 1.68]	0 / 0.38 0.00 [0.00 - 9.76]	19 / 22.68 0.84 [0.50 - 1.31]	2 / 1.80 1.11 [0.13 - 4.01]	45 / 44.38 1.01 [0.74 - 1.36]	9 / 8.47 1.06 [0.49 - 2.02]	97 / 97.48 1.00 [0.81 - 1.21]
Hodgkins disease (201)	6 / 5.92 1.01 [0.37 - 2.21]	1 / 0.12 8.03 [0.20 - 44.8]	8 / 7.57 1.06 [0.46 - 2.08]	2 / 0.62 3.22 [0.39 - 11.6]	10 / 14.53 0.69 [0.33 - 1.27]	3 / 2.89 1.04 [0.21 - 3.03]	30 / 31.66 0.95 [0.64 - 1.35]
Multiple myeloma (203)	15 / 14.93 1.00 [0.56 - 1.66]	1 / 0.23 4.29 [0.11 - 23.9]	15 / 14.31 1.05 [0.59 - 1.73]	0 / 0.94 0.00 [0.00 - 3.91]	27 / 30.50 0.89 [0.58 - 1.29]	5 / 5.17 0.97 [0.31 - 2.26]	63 / 66.09 0.95 [0.73 - 1.22]
Leukemia & aleukemia (204-208)	31 / 26.89 1.15 [0.78 - 1.64]	0 / 0.60 0.00 [0.00 - 6.12]	27 / 30.40 0.89 [0.59 - 1.29]	2 / 2.67 0.75 [0.09 - 2.71]	48 / 61.72 0.78 [0.57 - 1.03]	11 / 13.43 0.82 [0.41 - 1.47]	119 / 135.71 0.88 [0.73 - 1.05]
MENTAL DISORDERS (290-319)	30 / 35.28 0.85 [0.57 - 1.21]	1 / 0.67 1.49 [0.04 - 8.32]	39 / 41.08 0.95 [0.68 - 1.30]	3 / 3.38 0.89 [0.18 - 2.60]	54 / 88.22 0.61 [0.46 - 0.80]	18 / 10.94 1.64 [0.97 - 2.60]	145 / 179.57 0.81 [0.68 - 0.95]
DIS. OF CIRCULATORY SYSTEM (390-459)	1620 / 1681.26 0.96 [0.92 - 1.01]	17 / 32.67 0.52 [0.30 - 0.83]	1631 / 1639.96 0.99 [0.95 - 1.04]	113 / 111.85 1.01 [0.83 - 1.21]	3327 / 3691.05 0.90 [0.87 - 0.93]	662 / 657.37 1.01 [0.93 - 1.09]	7370 / 7814.16 0.94 [0.92 - 0.96]
Ischaemic heart disease (410-414)	1009 / 1065.82 0.95 [0.89 - 1.01]	10 / 19.91 0.50 [0.24 - 0.92]	1083 / 1053.39 1.03 [0.97 - 1.09]	84 / 73.82 1.14 [0.91 - 1.41]	2099 / 2321.27 0.90 [0.87 - 0.94]	404 / 406.17 0.99 [0.90 - 1.10]	4689 / 4940.38 0.95 [0.92 - 0.98]
DIS. OF RESPIRATORY SYSTEM (460-519)	212 / 240.68 0.88 [0.77 - 1.01]	7 / 5.59 1.25 [0.50 - 2.58]	195 / 252.09 0.77 [0.67 - 0.89]	15 / 15.72 0.95 [0.53 - 1.57]	394 / 541.20 0.73 [0.66 - 0.80]	101 / 96.67 1.04 [0.85 - 1.27]	924 / 1151.96 0.80 [0.75 - 0.86]
DIS. OF DIGESTIVE SYSTEM (520-579)	89 / 114.32 0.78 [0.63 - 0.96]	1 / 2.84 0.35 [0.01 - 1.96]	151 / 147.50 1.02 [0.87 - 1.20]	14 / 12.74 1.10 [0.60 - 1.84]	199 / 282.84 0.70 [0.61 - 0.81]	97 / 71.90 1.35 [1.09 - 1.65]	551 / 632.16 0.87 [0.80 - 0.95]
Liver cirrhosis (571)	32 / 36.94 0.87 [0.59 - 1.22]	1 / 1.22 0.82 [0.02 - 4.55]	65 / 65.85 0.99 [0.76 - 1.26]	7 / 7.26 0.96 [0.39 - 1.99]	78 / 105.48 0.74 [0.58 - 0.92]	56 / 35.39 1.58 [1.20 - 2.05]	239 / 252.15 0.95 [0.83 - 1.08]
EXTERNAL CAUSES (E800-999)	282 / 317.72 0.89 [0.79 - 1.00]	7 / 9.10 0.77 [0.31 - 1.59]	408 / 417.53 0.98 [0.88 - 1.08]	44 / 46.00 0.96 [0.69 - 1.28]	623 / 888.39 0.70 [0.65 - 0.76]	156 / 125.97 1.24 [1.05 - 1.45]	1520 / 1804.71 0.84 [0.80 - 0.89]

Table 2.6.2
Mortality from selected causes by department of longest employment

TOTAL COHORT
Women

department of longest employment	-1-	-2-	-3-	-4-	-5-	-6-	Total
ALL CAUSES	258 / 334.62 0.77 [0.68 - 0.87]	2 / 1.08 1.85 [0.22 - 6.68]	800 / 793.65 1.01 [0.94 - 1.08]	73 / 93.97 0.78 [0.61 - 0.98]	458 / 599.54 0.76 [0.70 - 0.84]	124 / 117.06 1.06 [0.88 - 1.26]	1715 / 1939.91 0.88 [0.84 - 0.93]
ALL MALIGNANT NEOPLASMS (140-208)	62 / 76.64 0.81 [0.62 - 1.04]	1 / 0.35 2.83 [0.07 - 15.8]	248 / 239.79 1.03 [0.91 - 1.17]	27 / 31.90 0.85 [0.56 - 1.23]	151 / 174.95 0.86 [0.73 - 1.01]	41 / 36.76 1.12 [0.80 - 1.51]	530 / 560.39 0.95 [0.87 - 1.03]
Oral cavity & pharynx (140-149)	0 / 0.80 0.00 [0.00 - 4.63]	0 / 0.00 0.00 [0.00 - 1175]	1 / 2.32 0.43 [0.01 - 2.40]	0 / 0.31 0.00 [0.00 - 11.9]	3 / 1.72 1.74 [0.36 - 5.09]	0 / 0.34 0.00 [0.00 - 10.8]	4 / 5.50 0.73 [0.20 - 1.86]
Stomach (151)	9 / 8.12 1.11 [0.51 - 2.10]	0 / 0.02 0.00 [0.00 - 0182]	16 / 15.72 1.02 [0.58 - 1.65]	0 / 1.61 0.00 [0.00 - 2.29]	7 / 12.66 0.55 [0.22 - 1.14]	0 / 1.89 0.00 [0.00 - 1.96]	32 / 40.01 0.80 [0.55 - 1.13]
Liver (155)	4 / 2.22 1.80 [0.49 - 4.61]	0 / 0.02 0.00 [0.00 - 0216]	3 / 3.22 0.93 [0.19 - 2.73]	0 / 0.67 0.00 [0.00 - 5.54]	3 / 3.55 0.85 [0.17 - 2.47]	0 / 0.62 0.00 [0.00 - 5.97]	10 / 10.29 0.97 [0.47 - 1.79]
Larynx (161)	0 / 0.13 0.00 [0.00 - 28.6]	0 / 0.00 0.00 [0.00 - 2599]	1 / 0.49 2.03 [0.05 - 11.3]	0 / 0.08 0.00 [0.00 - 48.4]	0 / 0.30 0.00 [0.00 - 12.2]	0 / 0.09 0.00 [0.00 - 41.1]	1 / 1.09 0.92 [0.02 - 5.11]
Lung (162)	5 / 4.79 1.04 [0.34 - 2.43]	0 / 0.03 0.00 [0.00 - 0138]	36 / 25.61 1.41 [0.98 - 1.95]	3 / 2.78 1.08 [0.22 - 3.15]	14 / 13.73 1.02 [0.56 - 1.71]	8 / 4.00 2.00 [0.86 - 3.94]	66 / 50.95 1.30 [1.00 - 1.65]
Pleura (163)	2 / 0.20 10.10 [1.22 - 36.4]	0 / 0.00 0.00 [0.00 - 48E3]	0 / 0.34 0.00 [0.00 - 11.0]	1 / 0.06 17.30 [0.43 - 96.6]	1 / 0.29 3.48 [0.09 - 19.4]	0 / 0.08 0.00 [0.00 - 46.0]	4 / 0.96 4.16 [1.13 - 10.7]
Soft tissue (171)	0 / 0.31 0.00 [0.00 - 11.9]	0 / 0.00 0.00 [0.00 - 15E3]	3 / 1.04 2.89 [0.60 - 8.44]	0 / 0.13 0.00 [0.00 - 28.5]	3 / 0.87 3.45 [0.71 - 10.1]	0 / 0.12 0.00 [0.00 - 31.8]	6 / 2.46 2.43 [0.89 - 5.30]
Bladder (188)	0 / 1.06 0.00 [0.00 - 3.49]	0 / 0.00 0.00 [0.00 - 2491]	6 / 3.67 1.63 [0.60 - 3.56]	0 / 0.36 0.00 [0.00 - 10.3]	2 / 2.14 0.94 [0.11 - 3.38]	1 / 0.63 1.59 [0.04 - 8.87]	9 / 7.86 1.15 [0.52 - 2.17]
Lymphatic & hematopoietic tissue (200-208)	1 / 6.52 0.15 [0.00 - 0.85]	0 / 0.03 0.00 [0.00 - 0114]	19 / 17.61 1.08 [0.65 - 1.69]	2 / 2.59 0.77 [0.09 - 2.79]	8 / 14.50 0.55 [0.24 - 1.09]	5 / 2.43 2.06 [0.67 - 4.80]	35 / 43.68 0.80 [0.56 - 1.11]
Non-Hodgkins lymphoma (200,202)	1 / 1.92 0.52 [0.01 - 2.90]	0 / 0.00 0.00 [0.00 - 3711]	4 / 5.20 0.77 [0.21 - 1.97]	1 / 0.63 1.59 [0.04 - 8.85]	0 / 4.14 0.00 [0.00 - 0.89]	3 / 0.69 4.32 [0.89 - 12.6]	9 / 12.59 0.72 [0.33 - 1.36]
Hodgkins disease (201)	0 / 0.50 0.00 [0.00 - 7.38]	0 / 0.01 0.00 [0.00 - 0647]	3 / 1.70 1.76 [0.36 - 5.15]	0 / 0.26 0.00 [0.00 - 14.2]	2 / 1.24 1.61 [0.20 - 5.83]	0 / 0.19 0.00 [0.00 - 18.9]	5 / 3.90 1.28 [0.42 - 2.99]
Multiple myeloma (203)	0 / 1.42 0.00 [0.00 - 2.60]	0 / 0.00 0.00 [0.00 - 8854]	5 / 3.48 1.44 [0.47 - 3.36]	0 / 0.41 0.00 [0.00 - 8.96]	1 / 2.83 0.35 [0.01 - 1.97]	1 / 0.46 2.17 [0.05 - 12.1]	7 / 8.60 0.81 [0.33 - 1.68]
Leukemia & aleukemia (204-208)	0 / 2.62 0.00 [0.00 - 1.41]	0 / 0.02 0.00 [0.00 - 0209]	7 / 7.16 0.98 [0.39 - 2.02]	1 / 1.17 0.86 [0.02 - 4.77]	5 / 5.95 0.84 [0.27 - 1.96]	1 / 1.08 0.92 [0.02 - 5.14]	14 / 18.00 0.78 [0.43 - 1.31]
MENTAL DISORDERS (290-319)	1 / 6.85 0.15 [0.00 - 0.81]	0 / 0.01 0.00 [0.00 - 0425]	4 / 9.21 0.43 [0.12 - 1.11]	0 / 1.13 0.00 [0.00 - 3.26]	3 / 9.61 0.31 [0.06 - 0.91]	0 / 0.93 0.00 [0.00 - 3.98]	8 / 27.74 0.29 [0.12 - 0.57]
DIS. OF CIRCULATORY SYSTEM (390-459)	145 / 167.95 0.86 [0.73 - 1.02]	1 / 0.26 3.85 [0.10 - 21.4]	339 / 327.47 1.04 [0.93 - 1.15]	31 / 30.18 1.03 [0.70 - 1.46]	172 / 245.12 0.70 [0.60 - 0.81]	50 / 46.67 1.07 [0.80 - 1.41]	738 / 817.65 0.90 [0.84 - 0.97]
Ischaemic heart disease (410-414)	65 / 72.26 0.90 [0.69 - 1.15]	0 / 0.06 0.00 [0.00 - 59.8]	181 / 158.25 1.14 [0.98 - 1.32]	16 / 13.08 1.22 [0.70 - 1.99]	83 / 112.15 0.74 [0.59 - 0.92]	21 / 23.97 0.88 [0.54 - 1.34]	366 / 379.77 0.96 [0.87 - 1.07]
DIS. OF RESPIRATORY SYSTEM (460-519)	13 / 19.86 0.65 [0.35 - 1.12]	0 / 0.04 0.00 [0.00 - 95.7]	62 / 53.18 1.17 [0.89 - 1.49]	2 / 4.46 0.45 [0.05 - 1.62]	24 / 35.95 0.67 [0.43 - 0.99]	6 / 6.46 0.93 [0.34 - 2.02]	107 / 119.95 0.89 [0.73 - 1.08]
DIS. OF DIGESTIVE SYSTEM (520-579)	7 / 12.41 0.56 [0.23 - 1.16]	0 / 0.04 0.00 [0.00 - 82.5]	23 / 28.27 0.81 [0.52 - 1.22]	2 / 4.17 0.48 [0.06 - 1.73]	19 / 21.43 0.89 [0.53 - 1.38]	1 / 4.78 0.21 [0.01 - 1.17]	52 / 71.11 0.73 [0.55 - 0.96]
Liver cirrhosis (571)	1 / 2.93 0.34 [0.01 - 1.90]	0 / 0.01 0.00 [0.00 - 0272]	7 / 7.58 0.92 [0.37 - 1.90]	1 / 1.73 0.58 [0.01 - 3.22]	5 / 6.28 0.80 [0.26 - 1.86]	1 / 1.61 0.62 [0.02 - 3.46]	15 / 20.14 0.74 [0.42 - 1.23]
EXTERNAL CAUSES (E800-999)	6 / 15.17 0.40 [0.15 - 0.86]	0 / 0.19 0.00 [0.00 - 19.6]	40 / 49.91 0.80 [0.57 - 1.09]	4 / 9.94 0.40 [0.11 - 1.03]	41 / 42.85 0.96 [0.69 - 1.30]	11 / 8.32 1.32 [0.66 - 2.36]	102 / 126.38 0.81 [0.66 - 0.98]

Table 2.6.3
Mortality from selected causes by department of longest employment

TOTAL COHORT Excluding Brazil,South Africa

department of longest employment	-1-	-2-	-3-	-4-	-5-	-6-	Total
ALL CAUSES	3602 / 3842.54 0.94 [0.91 - 0.97]	55 / 77.55 0.71 [0.53 - 0.92]	4400 / 4572.13 0.96 [0.93 - 0.99]	363 / 386.41 0.94 [0.85 - 1.04]	7214 / 8492.80 0.85 [0.83 - 0.87]	1773 / 1611.92 1.10 [1.05 - 1.15]	17407 / 18983.35 1.02 [0.90 - 0.93]
ALL MALIGNANT NEOPLASMS (140-208)	841 / 874.62 0.96 [0.90 - 1.03]	15 / 18.94 0.79 [0.44 - 1.31]	1108 / 1171.28 0.95 [0.89 - 1.00]	102 / 106.04 0.96 [0.78 - 1.17]	1758 / 1997.34 0.88 [0.84 - 0.92]	459 / 435.57 1.05 [0.96 - 1.15]	4283 / 4603.79 0.93 [0.90 - 0.96]
Oral cavity & pharynx (140-149)	13 / 18.19 0.71 [0.38 - 1.22]	0 / 0.41 0.00 [0.00 - 9.04]	14 / 28.26 0.50 [0.27 - 0.83]	3 / 2.45 1.22 [0.25 - 3.57]	34 / 46.26 0.73 [0.51 - 1.03]	15 / 10.15 1.48 [0.83 - 2.44]	79 / 105.73 0.75 [0.59 - 0.93]
Stomach (151)	101 / 99.84 1.01 [0.82 - 1.23]	3 / 1.89 1.59 [0.33 - 4.64]	87 / 100.79 0.86 [0.69 - 1.06]	3 / 6.20 0.48 [0.10 - 1.41]	164 / 209.98 0.78 [0.67 - 0.91]	22 / 37.75 0.58 [0.37 - 0.88]	380 / 456.45 0.83 [0.75 - 0.92]
Liver (155)	15 / 17.27 0.87 [0.49 - 1.43]	1 / 0.55 1.82 [0.05 - 10.1]	15 / 21.86 0.69 [0.38 - 1.13]	2 / 2.05 0.97 [0.12 - 3.52]	30 / 39.91 0.75 [0.51 - 1.07]	10 / 11.86 0.84 [0.40 - 1.55]	73 / 93.51 0.78 [0.61 - 0.98]
Larynx (161)	10 / 9.43 1.06 [0.51 - 1.95]	0 / 0.28 0.00 [0.00 - 13.4]	14 / 15.81 0.89 [0.48 - 1.49]	1 / 1.46 0.69 [0.02 - 3.82]	24 / 25.72 0.93 [0.60 - 1.39]	10 / 7.55 1.32 [0.63 - 2.43]	59 / 60.25 0.98 [0.75 - 1.26]
Lung (162)	204 / 189.18 1.08 [0.94 - 1.24]	4 / 5.47 0.73 [0.20 - 1.87]	274 / 275.33 1.00 [0.88 - 1.12]	25 / 24.87 1.01 [0.65 - 1.48]	451 / 473.29 0.95 [0.87 - 1.05]	142 / 116.27 1.22 [1.03 - 1.44]	1100 / 1084.41 1.01 [0.96 - 1.08]
Pleura (163)	8 / 3.34 2.39 [1.03 - 4.72]	0 / 0.07 0.00 [0.00 - 51.1]	3 / 4.75 0.63 [0.13 - 1.85]	1 / 0.51 1.95 [0.05 - 10.9]	18 / 7.95 2.27 [1.34 - 3.58]	5 / 2.04 2.45 [0.80 - 5.72]	35 / 18.66 1.88 [1.31 - 2.61]
Soft tissue (171)	1 / 3.74 0.27 [0.01 - 1.49]	1 / 0.06 17.00 [0.42 - 94.5]	8 / 4.94 1.62 [0.70 - 3.19]	1 / 0.42 2.41 [0.06 - 13.4]	10 / 8.56 1.17 [0.56 - 2.15]	2 / 1.23 1.62 [0.20 - 5.86]	23 / 18.95 1.21 [0.77 - 1.82]
Bladder (188)	27 / 29.61 0.91 [0.60 - 1.33]	1 / 0.71 1.41 [0.04 - 7.85]	44 / 37.56 1.17 [0.85 - 1.57]	4 / 3.31 1.21 [0.33 - 3.10]	64 / 64.17 1.00 [0.77 - 1.27]	21 / 18.61 1.13 [0.70 - 1.72]	161 / 153.96 1.05 [0.89 - 1.22]
Lymphatic & hematopoietic tissue (200-208)	73 / 74.48 0.98 [0.77 - 1.23]	2 / 1.43 1.40 [0.17 - 5.06]	88 / 92.82 0.95 [0.76 - 1.17]	8 / 8.74 0.92 [0.40 - 1.80]	136 / 166.47 0.82 [0.69 - 0.97]	33 / 32.35 1.02 [0.70 - 1.43]	340 / 376.28 0.90 [0.81 - 1.00]
Non-Hodgkins lymphoma (200,202)	23 / 21.70 1.06 [0.67 - 1.59]	0 / 0.38 0.00 [0.00 - 9.73]	23 / 27.88 0.83 [0.52 - 1.24]	3 / 2.43 1.23 [0.25 - 3.60]	44 / 48.51 0.91 [0.66 - 1.22]	12 / 9.17 1.31 [0.68 - 2.29]	105 / 110.07 0.95 [0.78 - 1.15]
Hodgkins disease (201)	6 / 6.42 0.93 [0.34 - 2.03]	1 / 0.13 7.68 [0.19 - 42.8]	11 / 9.27 1.19 [0.59 - 2.12]	2 / 0.88 2.27 [0.28 - 8.21]	12 / 15.77 0.76 [0.39 - 1.33]	3 / 3.09 0.97 [0.20 - 2.84]	35 / 35.56 0.98 [0.69 - 1.37]
Multiple myeloma (203)	14 / 16.35 0.86 [0.47 - 1.44]	1 / 0.23 4.28 [0.11 - 23.8]	20 / 17.78 1.12 [0.69 - 1.74]	0 / 1.35 0.00 [0.00 - 2.72]	28 / 33.34 0.84 [0.56 - 1.21]	6 / 5.64 1.06 [0.39 - 2.32]	69 / 74.69 0.92 [0.72 - 1.17]
Leukemia & aleukemia (204-208)	30 / 29.41 1.02 [0.69 - 1.46]	0 / 0.62 0.00 [0.00 - 5.95]	34 / 37.53 0.91 [0.63 - 1.27]	3 / 3.84 0.78 [0.16 - 2.29]	52 / 66.65 0.78 [0.58 - 1.02]	12 / 14.51 0.83 [0.43 - 1.44]	131 / 152.56 0.86 [0.72 - 1.02]
MENTAL DISORDERS (290-319)	31 / 41.87 0.74 [0.50 - 1.05]	1 / 0.68 1.47 [0.04 - 8.22]	43 / 50.22 0.86 [0.62 - 1.15]	3 / 4.51 0.67 [0.14 - 1.95]	57 / 95.36 0.60 [0.45 - 0.77]	18 / 11.87 1.52 [0.90 - 2.40]	153 / 204.51 0.75 [0.63 - 0.88]
DIS. OF CIRCULATORY SYSTEM (390-459)	1763 / 1844.93 0.96 [0.91 - 1.00]	18 / 32.93 0.55 [0.32 - 0.86]	1970 / 1966.18 1.00 [0.96 - 1.05]	144 / 142.04 1.01 [0.85 - 1.19]	3473 / 3875.72 0.90 [0.87 - 0.93]	712 / 703.98 1.01 [0.94 - 1.09]	8080 / 8565.78 0.94 [0.92 - 0.96]
Ischaemic heart disease (410-414)	1073 / 1136.72 0.94 [0.89 - 1.00]	10 / 19.97 0.50 [0.24 - 0.92]	1264 / 1211.26 1.04 [0.99 - 1.10]	100 / 86.90 1.15 [0.94 - 1.40]	2173 / 2413.92 0.90 [0.86 - 0.94]	425 / 430.12 0.99 [0.90 - 1.09]	5045 / 5298.90 0.95 [0.93 - 0.98]
DIS. OF RESPIRATORY SYSTEM (460-519)	224 / 259.58 0.86 [0.75 - 0.98]	7 / 5.63 1.24 [0.50 - 2.56]	257 / 304.99 0.84 [0.74 - 0.95]	17 / 20.19 0.84 [0.49 - 1.35]	410 / 564.85 0.73 [0.66 - 0.80]	106 / 103.11 1.03 [0.84 - 1.24]	1021 / 1258.35 0.81 [0.76 - 0.86]
DIS. OF DIGESTIVE SYSTEM (520-579)	96 / 125.24 0.77 [0.62 - 0.94]	1 / 2.89 0.35 [0.01 - 1.93]	174 / 175.35 0.99 [0.85 - 1.15]	16 / 16.91 0.95 [0.54 - 1.54]	203 / 287.74 0.71 [0.61 - 0.81]	98 / 76.67 1.28 [1.04 - 1.56]	588 / 684.79 0.86 [0.79 - 0.93]
Liver cirrhosis (571)	33 / 38.99 0.85 [0.58 - 1.19]	1 / 1.24 0.81 [0.02 - 4.50]	72 / 73.17 0.98 [0.77 - 1.24]	8 / 8.99 0.89 [0.38 - 1.75]	74 / 102.37 0.72 [0.57 - 0.91]	57 / 36.99 1.54 [1.17 - 2.00]	245 / 261.76 0.94 [0.82 - 1.06]
EXTERNAL CAUSES (E800-999)	284 / 325.27 0.87 [0.77 - 0.98]	7 / 9.28 0.75 [0.30 - 1.55]	447 / 465.28 0.96 [0.87 - 1.05]	48 / 55.94 0.86 [0.63 - 1.14]	635 / 869.22 0.73 [0.67 - 0.79]	167 / 134.15 1.24 [1.06 - 1.45]	1588 / 1859.15 0.85 [0.81 - 0.90]

Table 2.6.4
Mortality from selected causes by department of longest employment

TOTAL COHORT Excluding Brazil, South Africa
Men

department of longest employment	-1-	-2-	-3-	-4-	-5-	-6-	Total
ALL CAUSES	3344 / 3508.03 0.95 [0.92 - 0.99]	53 / 76.47 0.69 [0.52 - 0.91]	3600 / 3778.95 0.95 [0.92 - 0.98]	290 / 292.45 0.99 [0.88 - 1.11]	6767 / 7906.37 0.86 [0.84 - 0.88]	1649 / 1494.87 1.10 [1.05 - 1.16]	15703 / 17057.13 0.92 [0.91 - 0.94]
ALL MALIGNANT NEOPLASMS (140-208)	779 / 797.99 0.98 [0.91 - 1.05]	14 / 18.59 0.75 [0.41 - 1.26]	860 / 931.56 0.92 [0.86 - 0.99]	75 / 74.14 1.01 [0.80 - 1.27]	1607 / 1824.44 0.88 [0.84 - 0.92]	418 / 398.81 1.05 [0.95 - 1.15]	3753 / 4045.54 0.93 [0.90 - 0.96]
Oral cavity & pharynx (140-149)	13 / 17.39 0.75 [0.40 - 1.28]	0 / 0.41 0.00 [0.00 - 9.11]	13 / 25.94 0.50 [0.27 - 0.86]	3 / 2.14 1.40 [0.29 - 4.09]	31 / 44.56 0.70 [0.47 - 0.99]	15 / 9.81 1.53 [0.86 - 2.52]	75 / 100.26 0.75 [0.59 - 0.94]
Stomach (151)	92 / 91.72 1.00 [0.81 - 1.23]	3 / 1.87 1.60 [0.33 - 4.69]	71 / 85.08 0.83 [0.65 - 1.05]	3 / 4.59 0.65 [0.13 - 1.91]	157 / 197.46 0.80 [0.68 - 0.93]	22 / 35.87 0.61 [0.38 - 0.93]	348 / 416.58 0.84 [0.75 - 0.93]
Liver (155)	11 / 15.04 0.73 [0.36 - 1.31]	1 / 0.53 1.88 [0.05 - 10.5]	12 / 18.65 0.64 [0.33 - 1.12]	2 / 1.39 1.44 [0.17 - 5.21]	27 / 36.57 0.74 [0.49 - 1.07]	10 / 11.24 0.89 [0.43 - 1.64]	63 / 83.43 0.76 [0.58 - 0.97]
Larynx (161)	10 / 9.30 1.07 [0.52 - 1.98]	0 / 0.27 0.00 [0.00 - 13.4]	13 / 15.32 0.85 [0.45 - 1.45]	1 / 1.38 0.72 [0.02 - 4.03]	24 / 25.43 0.94 [0.60 - 1.40]	10 / 7.46 1.34 [0.64 - 2.46]	58 / 59.17 0.98 [0.74 - 1.27]
Lung (162)	199 / 184.38 1.08 [0.93 - 1.24]	4 / 5.45 0.73 [0.20 - 1.88]	238 / 249.72 0.95 [0.84 - 1.08]	22 / 22.09 1.00 [0.62 - 1.51]	437 / 459.66 0.95 [0.86 - 1.04]	134 / 112.27 1.19 [1.00 - 1.41]	1034 / 1033.57 1.00 [0.94 - 1.06]
Pleura (163)	6 / 3.14 1.91 [0.70 - 4.15]	0 / 0.07 0.00 [0.00 - 51.2]	3 / 4.41 0.68 [0.14 - 1.99]	0 / 0.45 0.00 [0.00 - 8.13]	17 / 7.66 2.22 [1.29 - 3.55]	5 / 1.96 2.55 [0.83 - 5.95]	31 / 17.70 1.75 [1.19 - 2.49]
Soft tissue (171)	1 / 3.43 0.29 [0.01 - 1.63]	1 / 0.06 17.00 [0.43 - 94.9]	5 / 3.91 1.28 [0.42 - 2.99]	1 / 0.29 3.50 [0.09 - 19.5]	7 / 7.69 0.91 [0.37 - 1.88]	2 / 1.12 1.79 [0.22 - 6.46]	17 / 16.49 1.03 [0.60 - 1.65]
Bladder (188)	27 / 28.55 0.95 [0.62 - 1.38]	1 / 0.71 1.41 [0.04 - 7.87]	38 / 33.89 1.12 [0.79 - 1.54]	4 / 2.95 1.36 [0.37 - 3.47]	62 / 62.04 1.00 [0.77 - 1.28]	20 / 17.98 1.11 [0.68 - 1.72]	152 / 146.12 1.04 [0.88 - 1.22]
Lymphatic & hematopoietic tissue (200-208)	72 / 67.96 1.06 [0.83 - 1.33]	2 / 1.39 1.43 [0.17 - 5.18]	69 / 75.22 0.92 [0.71 - 1.16]	6 / 6.15 0.98 [0.36 - 2.12]	128 / 152.12 0.84 [0.70 - 1.00]	28 / 29.92 0.94 [0.62 - 1.35]	305 / 332.77 0.92 [0.82 - 1.03]
Non-Hodgkins lymphoma (200,202)	22 / 19.77 1.11 [0.70 - 1.68]	0 / 0.38 0.00 [0.00 - 9.76]	19 / 22.68 0.84 [0.50 - 1.31]	2 / 1.80 1.11 [0.13 - 4.01]	44 / 44.38 0.99 [0.72 - 1.33]	9 / 8.47 1.06 [0.49 - 2.02]	96 / 97.48 0.98 [0.80 - 1.20]
Hodgkins disease (201)	6 / 5.92 1.01 [0.37 - 2.21]	1 / 0.12 8.03 [0.20 - 44.8]	8 / 7.57 1.06 [0.46 - 2.08]	2 / 0.62 3.22 [0.39 - 11.6]	10 / 14.53 0.69 [0.33 - 1.27]	3 / 2.89 1.04 [0.21 - 3.03]	30 / 31.66 0.95 [0.64 - 1.35]
Multiple myeloma (203)	14 / 14.93 0.94 [0.51 - 1.57]	1 / 0.23 4.29 [0.11 - 23.9]	15 / 14.31 1.05 [0.59 - 1.73]	0 / 0.94 0.00 [0.00 - 3.91]	27 / 30.50 0.89 [0.58 - 1.29]	5 / 5.17 0.97 [0.31 - 2.26]	62 / 66.09 0.94 [0.72 - 1.20]
Leukemia & aleukemia (204-208)	30 / 26.79 1.12 [0.76 - 1.60]	0 / 0.60 0.00 [0.00 - 6.12]	27 / 30.38 0.89 [0.59 - 1.29]	2 / 2.67 0.75 [0.09 - 2.71]	47 / 60.79 0.77 [0.57 - 1.03]	11 / 13.42 0.82 [0.41 - 1.47]	117 / 134.65 0.87 [0.72 - 1.04]
MENTAL DISORDERS (290-319)	30 / 35.02 0.86 [0.58 - 1.22]	1 / 0.67 1.49 [0.04 - 8.32]	39 / 41.01 0.95 [0.68 - 1.30]	3 / 3.38 0.89 [0.18 - 2.60]	54 / 85.81 0.63 [0.47 - 0.82]	18 / 10.94 1.65 [0.98 - 2.60]	145 / 176.82 0.82 [0.69 - 0.96]
DIS. OF CIRCULATORY SYSTEM (390-459)	1618 / 1677.00 0.96 [0.92 - 1.01]	17 / 32.67 0.52 [0.30 - 0.83]	1631 / 1638.84 1.00 [0.95 - 1.04]	113 / 111.85 1.01 [0.83 - 1.21]	3301 / 3634.48 0.91 [0.88 - 0.94]	662 / 657.32 1.01 [0.93 - 1.09]	7342 / 7752.17 0.95 [0.93 - 0.97]
Ischaemic heart disease (410-414)	1008 / 1064.46 0.95 [0.89 - 1.01]	10 / 19.91 0.50 [0.24 - 0.92]	1083 / 1053.04 1.03 [0.97 - 1.09]	84 / 73.82 1.14 [0.91 - 1.41]	2090 / 2302.56 0.91 [0.87 - 0.95]	404 / 406.16 0.99 [0.90 - 1.10]	4679 / 4919.95 0.95 [0.92 - 0.98]
DIS. OF RESPIRATORY SYSTEM (460-519)	211 / 239.73 0.88 [0.77 - 1.01]	7 / 5.59 1.25 [0.50 - 2.58]	195 / 251.84 0.77 [0.67 - 0.89]	15 / 15.72 0.95 [0.53 - 1.57]	387 / 529.62 0.73 [0.66 - 0.81]	100 / 96.65 1.03 [0.84 - 1.26]	915 / 1139.15 0.80 [0.75 - 0.86]
DIS. OF DIGESTIVE SYSTEM (520-579)	89 / 112.83 0.79 [0.63 - 0.97]	1 / 2.84 0.35 [0.01 - 1.96]	151 / 147.10 1.03 [0.87 - 1.20]	14 / 12.74 1.10 [0.60 - 1.84]	186 / 266.96 0.70 [0.60 - 0.80]	97 / 71.89 1.35 [1.09 - 1.65]	538 / 614.35 0.88 [0.80 - 0.95]
Liver cirrhosis (571)	32 / 36.06 0.89 [0.61 - 1.25]	1 / 1.22 0.82 [0.02 - 4.55]	65 / 65.60 0.99 [0.76 - 1.26]	7 / 7.26 0.96 [0.39 - 1.99]	70 / 96.34 0.73 [0.57 - 0.92]	56 / 35.38 1.58 [1.20 - 2.06]	231 / 241.87 0.96 [0.84 - 1.09]
EXTERNAL CAUSES (E800-999)	278 / 310.13 0.90 [0.79 - 1.01]	7 / 9.10 0.77 [0.31 - 1.59]	407 / 415.42 0.98 [0.89 - 1.08]	44 / 46.00 0.96 [0.69 - 1.28]	596 / 827.70 0.72 [0.66 - 0.78]	156 / 125.83 1.24 [1.05 - 1.45]	1488 / 1734.18 0.86 [0.81 - 0.90]

Table 2.6.4
Mortality from selected causes by department of longest employment

TOTAL COHORT Excluding Brazil, South Africa
Women

department of longest employment	-1-	-2-	-3-	-4-	-5-	-6-	Total
ALL CAUSES	258 / 334.51 0.77 [0.68 - 0.87]	2 / 1.08 1.85 [0.22 - 6.68]	800 / 793.18 1.01 [0.94 - 1.08]	73 / 93.97 0.78 [0.61 - 0.98]	447 / 586.43 0.76 [0.69 - 0.84]	124 / 117.06 1.06 [0.88 - 1.26]	1704 / 1926.22 0.88 [0.84 - 0.93]
ALL MALIGNANT NEOPLASMS (140-208)	62 / 76.63 0.81 [0.62 - 1.04]	1 / 0.35 2.83 [0.07 - 15.8]	248 / 239.72 1.03 [0.91 - 1.17]	27 / 31.90 0.85 [0.56 - 1.23]	151 / 172.89 0.87 [0.74 - 1.02]	41 / 36.76 1.12 [0.80 - 1.51]	530 / 558.25 0.95 [0.87 - 1.03]
Oral cavity & pharynx (140-149)	0 / 0.80 0.00 [0.00 - 4.63]	0 / 0.00 0.00 [0.00 - 1175]	1 / 2.32 0.43 [0.01 - 2.40]	0 / 0.31 0.00 [0.00 - 11.9]	3 / 1.70 1.76 [0.36 - 5.16]	0 / 0.34 0.00 [0.00 - 10.8]	4 / 5.47 0.73 [0.20 - 1.87]
Stomach (151)	9 / 8.12 1.11 [0.51 - 2.11]	0 / 0.02 0.00 [0.00 - 0182]	16 / 15.71 1.02 [0.58 - 1.65]	0 / 1.61 0.00 [0.00 - 2.29]	7 / 12.52 0.56 [0.22 - 1.15]	0 / 1.89 0.00 [0.00 - 1.96]	32 / 39.87 0.80 [0.55 - 1.13]
Liver (155)	4 / 2.22 1.80 [0.49 - 4.61]	0 / 0.02 0.00 [0.00 - 0216]	3 / 3.21 0.93 [0.19 - 2.73]	0 / 0.67 0.00 [0.00 - 5.54]	3 / 3.34 0.90 [0.19 - 2.63]	0 / 0.62 0.00 [0.00 - 5.97]	10 / 10.07 0.99 [0.48 - 1.83]
Larynx (161)	0 / 0.13 0.00 [0.00 - 28.6]	0 / 0.00 0.00 [0.00 - 2599]	1 / 0.49 2.04 [0.05 - 11.3]	0 / 0.08 0.00 [0.00 - 48.4]	0 / 0.29 0.00 [0.00 - 12.7]	0 / 0.09 0.00 [0.00 - 41.1]	1 / 1.08 0.93 [0.02 - 5.17]
Lung (162)	5 / 4.79 1.04 [0.34 - 2.43]	0 / 0.03 0.00 [0.00 - 0138]	36 / 25.61 1.41 [0.98 - 1.95]	3 / 2.78 1.08 [0.22 - 3.15]	14 / 13.63 1.03 [0.56 - 1.72]	8 / 4.00 2.00 [0.86 - 3.94]	66 / 50.84 1.30 [1.00 - 1.65]
Pleura (163)	2 / 0.20 10.10 [1.22 - 36.4]	0 / 0.00 0.00 [0.00 - 48E3]	0 / 0.34 0.00 [0.00 - 11.0]	1 / 0.06 17.30 [0.43 - 96.6]	1 / 0.29 3.48 [0.09 - 19.4]	0 / 0.08 0.00 [0.00 - 46.0]	4 / 0.96 4.16 [1.13 - 10.7]
Soft tissue (171)	0 / 0.31 0.00 [0.00 - 11.9]	0 / 0.00 0.00 [0.00 - 15E3]	3 / 1.04 2.89 [0.60 - 8.44]	0 / 0.13 0.00 [0.00 - 28.5]	3 / 0.87 3.45 [0.71 - 10.1]	0 / 0.12 0.00 [0.00 - 31.8]	6 / 2.46 2.43 [0.89 - 5.30]
Bladder (188)	0 / 1.06 0.00 [0.00 - 3.49]	0 / 0.00 0.00 [0.00 - 2491]	6 / 3.67 1.63 [0.60 - 3.56]	0 / 0.36 0.00 [0.00 - 10.3]	2 / 2.13 0.94 [0.11 - 3.39]	1 / 0.63 1.59 [0.04 - 8.87]	9 / 7.84 1.15 [0.52 - 2.18]
Lymphatic & hematopoietic tissue (200-208)	1 / 6.52 0.15 [0.00 - 0.86]	0 / 0.03 0.00 [0.00 - 0114]	19 / 17.60 1.08 [0.65 - 1.69]	2 / 2.59 0.77 [0.09 - 2.79]	8 / 14.35 0.56 [0.24 - 1.10]	5 / 2.43 2.06 [0.67 - 4.80]	35 / 43.51 0.80 [0.56 - 1.12]
Non-Hodgkins lymphoma (200,202)	1 / 1.92 0.52 [0.01 - 2.90]	0 / 0.00 0.00 [0.00 - 3711]	4 / 5.20 0.77 [0.21 - 1.97]	1 / 0.63 1.59 [0.04 - 8.85]	0 / 4.14 0.00 [0.00 - 0.89]	3 / 0.69 4.32 [0.89 - 12.6]	9 / 12.59 0.72 [0.33 - 1.36]
Hodgkins disease (201)	0 / 0.50 0.00 [0.00 - 7.38]	0 / 0.01 0.00 [0.00 - 0647]	3 / 1.70 1.76 [0.36 - 5.15]	0 / 0.26 0.00 [0.00 - 14.2]	2 / 1.24 1.61 [0.20 - 5.83]	0 / 0.19 0.00 [0.00 - 18.9]	5 / 3.90 1.28 [0.42 - 2.99]
Multiple myeloma (203)	0 / 1.42 0.00 [0.00 - 2.60]	0 / 0.00 0.00 [0.00 - 8854]	5 / 3.48 1.44 [0.47 - 3.36]	0 / 0.41 0.00 [0.00 - 8.96]	1 / 2.83 0.35 [0.01 - 1.97]	1 / 0.46 2.17 [0.05 - 12.1]	7 / 8.60 0.81 [0.33 - 1.68]
Leukemia & aleukemia (204-208)	0 / 2.62 0.00 [0.00 - 1.41]	0 / 0.02 0.00 [0.00 - 0209]	7 / 7.15 0.98 [0.39 - 2.02]	1 / 1.17 0.86 [0.02 - 4.77]	5 / 5.86 0.85 [0.28 - 1.99]	1 / 1.08 0.92 [0.02 - 5.14]	14 / 17.90 0.78 [0.43 - 1.31]
MENTAL DISORDERS (290-319)	1 / 6.85 0.15 [0.00 - 0.81]	0 / 0.01 0.00 [0.00 - 0425]	4 / 9.21 0.43 [0.12 - 1.11]	0 / 1.13 0.00 [0.00 - 3.26]	3 / 9.56 0.31 [0.06 - 0.92]	0 / 0.93 0.00 [0.00 - 3.98]	8 / 27.68 0.29 [0.12 - 0.57]
DIS. OF CIRCULATORY SYSTEM (390-459)	145 / 167.93 0.86 [0.73 - 1.02]	1 / 0.26 3.85 [0.10 - 21.4]	339 / 327.34 1.04 [0.93 - 1.15]	31 / 30.18 1.03 [0.70 - 1.46]	172 / 241.23 0.71 [0.61 - 0.83]	50 / 46.67 1.07 [0.80 - 1.41]	738 / 813.61 0.91 [0.84 - 0.97]
Ischaemic heart disease (410-414)	65 / 72.26 0.90 [0.69 - 1.15]	0 / 0.06 0.00 [0.00 - 59.8]	181 / 158.23 1.14 [0.98 - 1.32]	16 / 13.08 1.22 [0.70 - 1.99]	83 / 111.36 0.75 [0.59 - 0.92]	21 / 23.97 0.88 [0.54 - 1.34]	366 / 378.95 0.97 [0.87 - 1.07]
DIS. OF RESPIRATORY SYSTEM (460-519)	13 / 19.85 0.65 [0.35 - 1.12]	0 / 0.04 0.00 [0.00 - 95.7]	62 / 53.15 1.17 [0.89 - 1.50]	2 / 4.46 0.45 [0.05 - 1.62]	23 / 35.23 0.65 [0.41 - 0.98]	6 / 6.46 0.93 [0.34 - 2.02]	106 / 119.20 0.89 [0.73 - 1.08]
DIS. OF DIGESTIVE SYSTEM (520-579)	7 / 12.41 0.56 [0.23 - 1.16]	0 / 0.04 0.00 [0.00 - 82.5]	23 / 28.25 0.81 [0.52 - 1.22]	2 / 4.17 0.48 [0.06 - 1.73]	17 / 20.78 0.82 [0.48 - 1.31]	1 / 4.78 0.21 [0.01 - 1.17]	50 / 70.44 0.71 [0.53 - 0.94]
Liver cirrhosis (571)	1 / 2.93 0.34 [0.01 - 1.90]	0 / 0.01 0.00 [0.00 - 0272]	7 / 7.57 0.92 [0.37 - 1.91]	1 / 1.73 0.58 [0.01 - 3.22]	4 / 6.03 0.66 [0.18 - 1.70]	1 / 1.61 0.62 [0.02 - 3.46]	14 / 19.89 0.70 [0.38 - 1.18]
EXTERNAL CAUSES (E800-999)	6 / 15.15 0.40 [0.15 - 0.86]	0 / 0.19 0.00 [0.00 - 19.6]	40 / 49.86 0.80 [0.57 - 1.09]	4 / 9.94 0.40 [0.11 - 1.03]	39 / 41.52 0.94 [0.67 - 1.28]	11 / 8.32 1.32 [0.66 - 2.36]	100 / 124.97 0.80 [0.65 - 0.97]

Table 2.7.1

Mortality from selected causes of death by employment in only one department and years since first employment

TOTAL COHORT

ALL CAUSES

employment in only one department

years since first employment(years)	-1-	-2-	-3-	-4-	-5-	-6-	More than one department	Total
1-9	203 / 266.33 0.76 [0.66 - 0.87]	3 / 7.43 0.4 [0.08 - 1.18]	352 / 394.68 0.89 [0.80 - 0.99]	72 / 80.09 0.9 [0.70 - 1.13]	524 / 836.51 0.63 [0.57 - 0.68]	240 / 238.22 1.01 [0.88 - 1.14]	113 / 319.84 0.35 [0.29 - 0.42]	1507 / 2143.11 0.7 [0.67 - 0.74]
10-14	194 / 218.49 0.89 [0.77 - 1.02]	7 / 5.41 1.29 [0.52 - 2.67]	287 / 302.74 0.95 [0.84 - 1.06]	60 / 55.01 1.09 [0.83 - 1.40]	479 / 616.64 0.78 [0.71 - 0.85]	224 / 180.58 1.24 [1.08 - 1.41]	205 / 257.22 0.8 [0.69 - 0.91]	1456 / 1636.08 0.89 [0.84 - 0.94]
15-19	283 / 268.93 1.05 [0.93 - 1.18]	3 / 6.14 0.49 [0.10 - 1.43]	375 / 377.18 0.99 [0.90 - 1.10]	60 / 59.08 1.02 [0.77 - 1.31]	601 / 735.11 0.82 [0.75 - 0.89]	274 / 223.44 1.23 [1.09 - 1.38]	278 / 332.08 0.84 [0.74 - 0.94]	1874 / 2001.95 0.94 [0.89 - 0.98]
20-24	305 / 283.58 1.08 [0.96 - 1.20]	6 / 6.77 0.89 [0.33 - 1.93]	386 / 404.23 0.95 [0.86 - 1.06]	52 / 45.16 1.15 [0.86 - 1.51]	651 / 781.70 0.83 [0.77 - 0.90]	302 / 227.72 1.33 [1.18 - 1.48]	312 / 400.52 0.78 [0.69 - 0.87]	2014 / 2149.68 0.94 [0.90 - 0.98]
25+	1679 / 1712.53 0.98 [0.93 - 1.03]	12 / 17.77 0.68 [0.35 - 1.18]	2012 / 1982.32 1.01 [0.97 - 1.06]	61 / 64.03 0.95 [0.73 - 1.22]	3708 / 4035.20 0.92 [0.89 - 0.95]	406 / 407.92 1 [0.90 - 1.10]	2887 / 3100.94 0.93 [0.90 - 0.97]	10765 / 11320.71 0.95 [0.93 - 0.97]
Total	2664 / 2749.86 0.97 [0.93 - 1.01]	31 / 43.52 0.71 [0.48 - 1.01]	3412 / 3461.15 0.99 [0.95 - 1.02]	305 / 303.37 1.01 [0.90 - 1.12]	5963 / 7005.17 0.85 [0.83 - 0.87]	1446 / 1277.87 1.13 [1.07 - 1.19]	3795 / 4410.59 0.86 [0.83 - 0.89]	17616 / 19251.52 0.92 [0.90 - 0.93]

ALL MALIGNANT NEOPLASMS (140-208)

employment in only one department

years since first employment(years)	-1-	-2-	-3-	-4-	-5-	-6-	More than one department	Total
1-9	55 / 54.77 1 [0.76 - 1.31]	1 / 1.59 0.63 [0.02 - 3.50]	73 / 85.63 0.85 [0.67 - 1.07]	18 / 20.74 0.87 [0.51 - 1.37]	116 / 159.14 0.73 [0.60 - 0.87]	55 / 63.09 0.87 [0.66 - 1.13]	19 / 54.37 0.35 [0.21 - 0.55]	337 / 439.33 0.77 [0.69 - 0.85]
10-14	50 / 51.17 0.98 [0.73 - 1.29]	2 / 1.40 1.42 [0.17 - 5.15]	89 / 77.30 1.15 [0.92 - 1.42]	18 / 16.13 1.12 [0.66 - 1.76]	105 / 137.28 0.76 [0.63 - 0.93]	59 / 51.98 1.14 [0.86 - 1.46]	55 / 54.60 1.01 [0.76 - 1.31]	378 / 389.86 0.97 [0.87 - 1.07]
15-19	62 / 64.99 0.95 [0.73 - 1.22]	2 / 1.68 1.19 [0.14 - 4.30]	101 / 101.13 1 [0.81 - 1.21]	11 / 17.73 0.62 [0.31 - 1.11]	145 / 173.32 0.84 [0.71 - 0.98]	72 / 65.28 1.1 [0.86 - 1.39]	59 / 77.34 0.76 [0.58 - 0.98]	452 / 501.48 0.9 [0.82 - 0.99]
20-24	77 / 68.24 1.13 [0.89 - 1.41]	2 / 1.80 1.11 [0.13 - 4.01]	97 / 110.73 0.88 [0.71 - 1.07]	19 / 13.64 1.39 [0.84 - 2.18]	167 / 189.33 0.88 [0.75 - 1.03]	98 / 66.73 1.47 [1.19 - 1.79]	66 / 98.56 0.67 [0.52 - 0.85]	526 / 549.03 0.96 [0.88 - 1.04]
25+	369 / 385.77 0.96 [0.86 - 1.06]	3 / 4.59 0.65 [0.13 - 1.91]	503 / 517.38 0.97 [0.89 - 1.06]	19 / 18.40 1.03 [0.62 - 1.61]	918 / 956.79 0.96 [0.90 - 1.02]	122 / 113.27 1.08 [0.89 - 1.29]	686 / 752.08 0.91 [0.85 - 0.98]	2620 / 2748.29 0.95 [0.92 - 0.99]
Total	613 / 624.94 0.98 [0.90 - 1.06]	10 / 11.07 0.9 [0.43 - 1.66]	863 / 892.17 0.97 [0.90 - 1.03]	85 / 86.64 0.98 [0.78 - 1.21]	1451 / 1615.86 0.9 [0.85 - 0.95]	406 / 360.35 1.13 [1.02 - 1.24]	885 / 1036.96 0.85 [0.80 - 0.91]	4313 / 4627.99 0.93 [0.90 - 0.96]

Table 2.7.1

Mortality from selected causes of death by employment in only one department and years since first employment

Stomach (151)

employment in only one department								
years since first employment(years)	-1-	-2-	-3-	-4-	-5-	-6-	More than one department	Total
1-9	8 / 7.24 1.1 [0.48 - 2.18]	0 / 0.14 0 [0.00 - 26.9]	5 / 8.20 0.61 [0.20 - 1.42]	0 / 1.29 0 [0.00 - 2.87]	11 / 19.13 0.57 [0.29 - 1.03]	4 / 5.45 0.73 [0.20 - 1.88]	2 / 6.08 0.33 [0.04 - 1.19]	30 / 47.53 0.63 [0.43 - 0.90]
10-14	10 / 6.39 1.56 [0.75 - 2.88]	1 / 0.12 8.2 [0.21 - 45.7]	4 / 6.89 0.58 [0.16 - 1.49]	1 / 0.92 1.08 [0.03 - 6.04]	8 / 16.41 0.49 [0.21 - 0.96]	0 / 4.03 0 [0.00 - 0.92]	4 / 6.13 0.65 [0.18 - 1.67]	28 / 40.90 0.68 [0.45 - 0.99]
15-19	7 / 7.62 0.92 [0.37 - 1.89]	0 / 0.14 0 [0.00 - 25.4]	7 / 8.50 0.82 [0.33 - 1.70]	1 / 0.93 1.07 [0.03 - 5.98]	12 / 19.47 0.62 [0.32 - 1.08]	2 / 4.64 0.43 [0.05 - 1.56]	8 / 8.35 0.96 [0.41 - 1.89]	37 / 49.66 0.75 [0.52 - 1.03]
20-24	9 / 7.90 1.14 [0.52 - 2.16]	1 / 0.16 6.23 [0.16 - 34.7]	7 / 9.02 0.78 [0.31 - 1.60]	0 / 0.65 0 [0.00 - 5.65]	13 / 20.46 0.64 [0.34 - 1.09]	3 / 4.36 0.69 [0.14 - 2.01]	11 / 10.12 1.09 [0.54 - 1.94]	44 / 52.68 0.84 [0.61 - 1.12]
25+	42 / 44.33 0.95 [0.68 - 1.28]	1 / 0.46 2.15 [0.05 - 12.0]	44 / 45.59 0.97 [0.70 - 1.30]	0 / 1.03 0 [0.00 - 3.60]	86 / 99.31 0.87 [0.69 - 1.07]	10 / 9.57 1.04 [0.50 - 1.92]	58 / 69.03 0.84 [0.64 - 1.09]	241 / 269.33 0.89 [0.79 - 1.02]
Total	76 / 73.49 1.03 [0.81 - 1.29]	3 / 1.03 2.91 [0.60 - 8.52]	67 / 78.21 0.86 [0.66 - 1.09]	2 / 4.82 0.42 [0.05 - 1.50]	130 / 174.78 0.74 [0.62 - 0.88]	19 / 28.04 0.68 [0.41 - 1.06]	83 / 99.72 0.83 [0.66 - 1.03]	380 / 460.08 0.83 [0.74 - 0.91]

Lung (162)

employment in only one department								
years since first employment(years)	-1-	-2-	-3-	-4-	-5-	-6-	More than one department	Total
1-9	10 / 10.65 0.94 [0.45 - 1.73]	0 / 0.41 0 [0.00 - 9.02]	14 / 18.01 0.78 [0.43 - 1.30]	6 / 5.00 1.2 [0.44 - 2.61]	25 / 30.87 0.81 [0.52 - 1.20]	19 / 17.36 1.09 [0.66 - 1.71]	6 / 9.67 0.62 [0.23 - 1.35]	80 / 91.96 0.87 [0.69 - 1.08]
10-14	14 / 11.04 1.27 [0.69 - 2.13]	1 / 0.41 2.42 [0.06 - 13.5]	20 / 18.29 1.09 [0.67 - 1.69]	3 / 4.21 0.71 [0.15 - 2.08]	28 / 30.41 0.92 [0.61 - 1.33]	17 / 15.56 1.09 [0.64 - 1.75]	11 / 12.24 0.9 [0.45 - 1.61]	94 / 92.15 1.02 [0.82 - 1.25]
15-19	14 / 14.40 0.97 [0.53 - 1.63]	0 / 0.49 0 [0.00 - 7.59]	32 / 24.48 1.31 [0.89 - 1.85]	1 / 4.57 0.22 [0.01 - 1.22]	35 / 40.59 0.86 [0.60 - 1.20]	21 / 19.36 1.08 [0.67 - 1.66]	15 / 19.08 0.79 [0.44 - 1.30]	118 / 122.97 0.96 [0.79 - 1.15]
20-24	15 / 14.88 1.01 [0.56 - 1.66]	0 / 0.47 0 [0.00 - 7.85]	30 / 26.53 1.13 [0.76 - 1.61]	5 / 3.35 1.49 [0.48 - 3.48]	49 / 45.48 1.08 [0.80 - 1.42]	32 / 19.32 1.66 [1.13 - 2.34]	18 / 25.62 0.7 [0.42 - 1.11]	149 / 135.66 1.1 [0.93 - 1.29]
25+	79 / 75.47 1.05 [0.83 - 1.30]	1 / 1.14 0.87 [0.02 - 4.87]	107 / 115.62 0.93 [0.76 - 1.12]	5 / 3.38 1.48 [0.48 - 3.45]	234 / 223.05 1.05 [0.92 - 1.19]	40 / 29.72 1.35 [0.96 - 1.83]	206 / 196.87 1.05 [0.91 - 1.20]	672 / 645.26 1.04 [0.96 - 1.12]
Total	132 / 126.44 1.04 [0.87 - 1.24]	2 / 2.92 0.68 [0.08 - 2.47]	203 / 202.92 1 [0.87 - 1.15]	20 / 20.51 0.97 [0.60 - 1.51]	371 / 370.40 1 [0.90 - 1.11]	129 / 101.32 1.27 [1.06 - 1.51]	256 / 263.48 0.97 [0.86 - 1.10]	1113 / 1088.00 1.02 [0.96 - 1.08]

Table 2.7.1

Mortality from selected causes of death by employment in only one department and years since first employment

Lymphatic & heamatopoetic tissue (200-208)

employment in only one department								
years since first employment(years)	-1-	-2-	-3-	-4-	-5-	-6-	More than one department	Total
1-9	8 / 6.50 1.23 [0.53 - 2.42]	0 / 0.18 0 [0.00 - 20.5]	12 / 10.43 1.15 [0.59 - 2.01]	1 / 2.07 0.48 [0.01 - 2.69]	12 / 19.05 0.63 [0.33 - 1.10]	4 / 6.13 0.65 [0.18 - 1.67]	1 / 8.38 0.12 [0.00 - 0.67]	38 / 52.74 0.72 [0.51 - 0.99]
10-14	2 / 4.86 0.41 [0.05 - 1.49]	0 / 0.12 0 [0.00 - 31.6]	12 / 7.05 1.7 [0.88 - 2.98]	1 / 1.25 0.8 [0.02 - 4.44]	10 / 12.74 0.78 [0.38 - 1.44]	5 / 3.87 1.29 [0.42 - 3.01]	8 / 5.82 1.37 [0.59 - 2.71]	38 / 35.72 1.06 [0.75 - 1.46]
15-19	5 / 5.68 0.88 [0.29 - 2.06]	0 / 0.13 0 [0.00 - 28.4]	4 / 8.15 0.49 [0.13 - 1.26]	1 / 1.29 0.77 [0.02 - 4.31]	11 / 14.53 0.76 [0.38 - 1.35]	8 / 4.57 1.75 [0.76 - 3.45]	8 / 6.92 1.16 [0.50 - 2.28]	37 / 41.26 0.9 [0.63 - 1.24]
20-24	13 / 5.69 2.28 [1.22 - 3.91]	0 / 0.14 0 [0.00 - 26.5]	7 / 8.31 0.84 [0.34 - 1.73]	1 / 0.99 1.01 [0.03 - 5.63]	13 / 15.10 0.86 [0.46 - 1.47]	6 / 4.60 1.3 [0.48 - 2.84]	4 / 8.03 0.5 [0.14 - 1.28]	44 / 42.86 1.03 [0.75 - 1.38]
25+	25 / 30.90 0.81 [0.52 - 1.19]	0 / 0.32 0 [0.00 - 11.6]	36 / 36.44 0.99 [0.69 - 1.37]	1 / 1.33 0.75 [0.02 - 4.20]	62 / 74.00 0.84 [0.64 - 1.07]	7 / 7.55 0.93 [0.37 - 1.91]	56 / 55.50 1.01 [0.76 - 1.31]	187 / 206.04 0.91 [0.78 - 1.05]
Total	53 / 53.64 0.99 [0.74 - 1.29]	0 / 0.88 0 [0.00 - 4.18]	71 / 70.38 1.01 [0.79 - 1.27]	5 / 6.94 0.72 [0.23 - 1.68]	108 / 135.42 0.8 [0.65 - 0.96]	30 / 26.71 1.12 [0.76 - 1.60]	77 / 84.64 0.91 [0.72 - 1.14]	344 / 378.61 0.91 [0.82 - 1.01]

Ischaemic heart disease (410-414)

employment in only one department								
years since first employment(years)	-1-	-2-	-3-	-4-	-5-	-6-	More than one department	Total
1-9	39 / 60.90 0.64 [0.46 - 0.88]	0 / 1.56 0 [0.00 - 2.37]	69 / 75.73 0.91 [0.71 - 1.15]	19 / 15.77 1.2 [0.73 - 1.88]	95 / 138.91 0.68 [0.55 - 0.84]	51 / 57.30 0.89 [0.66 - 1.17]	14 / 44.58 0.31 [0.17 - 0.53]	287 / 394.76 0.73 [0.65 - 0.82]
10-14	68 / 60.96 1.12 [0.87 - 1.41]	1 / 1.46 0.68 [0.02 - 3.81]	77 / 73.84 1.04 [0.82 - 1.30]	16 / 13.13 1.22 [0.70 - 1.98]	118 / 139.11 0.85 [0.70 - 1.02]	40 / 49.10 0.81 [0.58 - 1.11]	36 / 52.67 0.68 [0.48 - 0.95]	356 / 390.27 0.91 [0.82 - 1.01]
15-19	77 / 79.89 0.96 [0.76 - 1.20]	0 / 1.72 0 [0.00 - 2.15]	107 / 98.03 1.09 [0.89 - 1.32]	18 / 14.71 1.22 [0.73 - 1.93]	166 / 189.30 0.88 [0.75 - 1.02]	63 / 60.73 1.04 [0.80 - 1.33]	61 / 81.09 0.75 [0.58 - 0.97]	492 / 525.46 0.94 [0.86 - 1.02]
20-24	89 / 87.07 1.02 [0.82 - 1.26]	1 / 1.92 0.52 [0.01 - 2.90]	111 / 108.28 1.03 [0.84 - 1.23]	19 / 11.22 1.69 [1.02 - 2.64]	177 / 221.73 0.8 [0.68 - 0.92]	65 / 59.52 1.09 [0.84 - 1.39]	75 / 109.60 0.68 [0.54 - 0.86]	537 / 599.35 0.9 [0.82 - 0.98]
25+	522 / 519.38 1.01 [0.92 - 1.10]	3 / 4.82 0.62 [0.13 - 1.82]	613 / 555.21 1.1 [1.02 - 1.20]	16 / 14.77 1.08 [0.62 - 1.76]	1207 / 1252.51 0.96 [0.91 - 1.02]	86 / 94.92 0.91 [0.72 - 1.12]	936 / 968.69 0.97 [0.91 - 1.03]	3383 / 3410.30 0.99 [0.96 - 1.03]
Total	795 / 808.21 0.98 [0.92 - 1.05]	5 / 11.48 0.44 [0.14 - 1.02]	977 / 911.09 1.07 [1.01 - 1.14]	88 / 69.60 1.26 [1.01 - 1.56]	1763 / 1941.57 0.91 [0.87 - 0.95]	305 / 321.57 0.95 [0.85 - 1.06]	1122 / 1256.63 0.89 [0.84 - 0.95]	5055 / 5320.15 0.95 [0.92 - 0.98]

Table 2.7.1

Mortality from selected causes of death by employment in only one department and years since first employment

DIS. OF RESPIRATORY SYSTEM (460-519)

employment in only one department								
years since first employment(years)	-1-	-2-	-3-	-4-	-5-	-6-	More than one department	Total
1-9	6 / 9.09 0.66 [0.24 - 1.44]	0 / 0.28 0 [0.00 - 13.2]	8 / 16.06 0.5 [0.22 - 0.98]	1 / 3.35 0.3 [0.01 - 1.66]	16 / 30.85 0.52 [0.30 - 0.84]	9 / 11.03 0.82 [0.37 - 1.55]	3 / 9.42 0.32 [0.07 - 0.93]	43 / 80.09 0.54 [0.39 - 0.72]
10-14	8 / 9.53 0.84 [0.36 - 1.65]	1 / 0.28 3.54 [0.09 - 19.7]	8 / 14.81 0.54 [0.23 - 1.06]	4 / 2.86 1.4 [0.38 - 3.58]	16 / 27.26 0.59 [0.34 - 0.95]	10 / 10.33 0.97 [0.46 - 1.78]	8 / 9.09 0.88 [0.38 - 1.73]	55 / 74.17 0.74 [0.56 - 0.97]
15-19	12 / 13.77 0.87 [0.45 - 1.52]	1 / 0.36 2.74 [0.07 - 15.3]	26 / 21.44 1.21 [0.79 - 1.78]	5 / 3.53 1.42 [0.46 - 3.31]	25 / 37.20 0.67 [0.43 - 0.99]	15 / 14.12 1.06 [0.59 - 1.75]	10 / 13.43 0.74 [0.36 - 1.37]	94 / 103.84 0.91 [0.73 - 1.11]
20-24	17 / 16.91 1.01 [0.59 - 1.61]	0 / 0.48 0 [0.00 - 7.73]	21 / 25.73 0.82 [0.51 - 1.25]	2 / 2.93 0.68 [0.08 - 2.47]	44 / 45.54 0.97 [0.70 - 1.30]	16 / 15.71 1.02 [0.58 - 1.65]	15 / 18.87 0.8 [0.44 - 1.31]	115 / 126.15 0.91 [0.75 - 1.09]
25+	121 / 139.15 0.87 [0.72 - 1.04]	2 / 1.64 1.22 [0.15 - 4.40]	136 / 158.03 0.86 [0.72 - 1.02]	3 / 3.94 0.76 [0.16 - 2.22]	228 / 322.36 0.71 [0.62 - 0.81]	37 / 30.95 1.2 [0.84 - 1.65]	197 / 231.56 0.85 [0.74 - 0.98]	724 / 887.65 0.82 [0.76 - 0.88]
Total	164 / 188.46 0.87 [0.74 - 1.01]	4 / 3.05 1.31 [0.36 - 3.36]	199 / 236.06 0.84 [0.73 - 0.97]	15 / 16.61 0.9 [0.51 - 1.49]	329 / 463.21 0.71 [0.64 - 0.79]	87 / 82.14 1.06 [0.85 - 1.31]	233 / 282.37 0.83 [0.72 - 0.94]	1031 / 1271.91 0.81 [0.76 - 0.86]

EXTERNAL CAUSES (E800-999)

employment in only one department								
years since first employment(years)	-1-	-2-	-3-	-4-	-5-	-6-	More than one department	Total
1-9	56 / 63.59 0.88 [0.67 - 1.14]	1 / 2.01 0.5 [0.01 - 2.77]	127 / 105.92 1.2 [1.00 - 1.43]	15 / 18.51 0.81 [0.45 - 1.34]	145 / 243.60 0.6 [0.50 - 0.70]	58 / 42.18 1.37 [1.04 - 1.78]	42 / 121.84 0.34 [0.25 - 0.47]	444 / 597.65 0.74 [0.68 - 0.82]
10-14	16 / 30.42 0.53 [0.30 - 0.85]	2 / 0.74 2.72 [0.33 - 9.82]	39 / 48.93 0.8 [0.57 - 1.09]	10 / 7.30 1.37 [0.66 - 2.52]	79 / 110.64 0.71 [0.57 - 0.89]	27 / 19.02 1.42 [0.94 - 2.07]	62 / 64.09 0.97 [0.74 - 1.24]	235 / 281.14 0.84 [0.73 - 0.95]
15-19	29 / 27.26 1.06 [0.71 - 1.53]	0 / 0.60 0 [0.00 - 6.13]	38 / 44.47 0.85 [0.60 - 1.17]	9 / 5.60 1.61 [0.73 - 3.05]	79 / 95.75 0.83 [0.65 - 1.03]	22 / 17.85 1.23 [0.77 - 1.87]	57 / 60.44 0.94 [0.71 - 1.22]	234 / 251.97 0.93 [0.81 - 1.06]
20-24	24 / 22.18 1.08 [0.69 - 1.61]	0 / 0.51 0 [0.00 - 7.29]	41 / 37.33 1.1 [0.79 - 1.49]	1 / 3.45 0.29 [0.01 - 1.61]	64 / 76.52 0.84 [0.64 - 1.07]	28 / 14.79 1.89 [1.26 - 2.74]	51 / 54.79 0.93 [0.69 - 1.22]	209 / 209.57 1 [0.87 - 1.14]
25+	70 / 76.44 0.92 [0.71 - 1.16]	1 / 0.94 1.06 [0.03 - 5.93]	86 / 100.92 0.85 [0.68 - 1.05]	3 / 3.87 0.77 [0.16 - 2.26]	162 / 211.39 0.77 [0.65 - 0.89]	13 / 19.02 0.68 [0.36 - 1.17]	165 / 178.17 0.93 [0.79 - 1.08]	500 / 590.75 0.85 [0.77 - 0.92]
Total	195 / 219.89 0.89 [0.77 - 1.02]	4 / 4.80 0.83 [0.23 - 2.14]	331 / 337.57 0.98 [0.88 - 1.09]	38 / 38.74 0.98 [0.69 - 1.35]	529 / 737.90 0.72 [0.66 - 0.78]	148 / 112.87 1.31 [1.11 - 1.54]	377 / 479.33 0.79 [0.71 - 0.87]	1622 / 1931.08 0.84 [0.80 - 0.88]

Table 2.7.2

Mortality from selected causes of death by employment in only one department and years since first employment

TOTAL COHORT
Men

ALL CAUSES

employment in only one department

years since first employment(years)	-1-	-2-	-3-	-4-	-5-	-6-	More than one department	Total
1-9	198 / 255.97 0.77 [0.67 - 0.89]	2 / 7.20 0.28 [0.03 - 1.00]	320 / 344.36 0.93 [0.83 - 1.04]	61 / 64.29 0.95 [0.73 - 1.22]	474 / 764.11 0.62 [0.57 - 0.68]	229 / 223.67 1.02 [0.90 - 1.17]	103 / 291.99 0.35 [0.29 - 0.43]	1387 / 1951.60 0.71 [0.67 - 0.75]
10-14	190 / 209.22 0.91 [0.78 - 1.05]	7 / 5.29 1.32 [0.53 - 2.73]	249 / 261.10 0.95 [0.84 - 1.08]	50 / 44.56 1.12 [0.83 - 1.48]	454 / 564.33 0.8 [0.73 - 0.88]	212 / 169.34 1.25 [1.09 - 1.43]	190 / 234.65 0.81 [0.70 - 0.93]	1352 / 1488.48 0.91 [0.86 - 0.96]
15-19	275 / 255.49 1.08 [0.95 - 1.21]	3 / 6.06 0.49 [0.10 - 1.45]	309 / 321.53 0.96 [0.86 - 1.07]	53 / 48.16 1.1 [0.82 - 1.44]	554 / 670.97 0.83 [0.76 - 0.90]	262 / 208.21 1.26 [1.11 - 1.42]	257 / 303.21 0.85 [0.75 - 0.96]	1713 / 1813.64 0.94 [0.90 - 0.99]
20-24	290 / 266.67 1.09 [0.97 - 1.22]	6 / 6.77 0.89 [0.33 - 1.93]	324 / 338.74 0.96 [0.86 - 1.07]	41 / 35.70 1.15 [0.82 - 1.56]	595 / 716.19 0.83 [0.77 - 0.90]	272 / 209.31 1.3 [1.15 - 1.46]	294 / 369.48 0.8 [0.71 - 0.89]	1822 / 1942.85 0.94 [0.90 - 0.98]
25+	1535 / 1548.81 0.99 [0.94 - 1.04]	12 / 17.77 0.68 [0.35 - 1.18]	1523 / 1530.82 0.99 [0.95 - 1.05]	38 / 36.19 1.05 [0.74 - 1.44]	3514 / 3795.50 0.93 [0.90 - 0.96]	389 / 385.05 1.01 [0.91 - 1.12]	2616 / 2800.88 0.93 [0.90 - 0.97]	9627 / 10115.04 0.95 [0.93 - 0.97]
Total	2488 / 2536.17 0.98 [0.94 - 1.02]	30 / 43.10 0.7 [0.47 - 0.99]	2725 / 2796.55 0.97 [0.94 - 1.01]	243 / 228.90 1.06 [0.93 - 1.20]	5591 / 6511.10 0.86 [0.84 - 0.88]	1364 / 1195.58 1.14 [1.08 - 1.20]	3460 / 4000.22 0.86 [0.84 - 0.89]	15901 / 17311.61 0.92 [0.90 - 0.93]

ALL MALIGNANT NEOPLASMS (140-208)

employment in only one department

years since first employment(years)	-1-	-2-	-3-	-4-	-5-	-6-	More than one department	Total
1-9	54 / 51.36 1.05 [0.79 - 1.37]	0 / 1.52 0 [0.00 - 2.43]	58 / 68.49 0.85 [0.64 - 1.09]	14 / 15.23 0.92 [0.50 - 1.54]	102 / 134.61 0.76 [0.62 - 0.92]	49 / 57.38 0.85 [0.63 - 1.13]	17 / 46.09 0.37 [0.21 - 0.59]	294 / 374.68 0.78 [0.70 - 0.88]
10-14	49 / 47.97 1.02 [0.76 - 1.35]	2 / 1.36 1.47 [0.18 - 5.31]	70 / 61.87 1.13 [0.88 - 1.43]	11 / 11.98 0.92 [0.46 - 1.64]	95 / 118.33 0.8 [0.65 - 0.98]	52 / 47.72 1.09 [0.81 - 1.43]	46 / 46.75 0.98 [0.72 - 1.31]	325 / 335.98 0.97 [0.86 - 1.08]
15-19	59 / 60.51 0.98 [0.74 - 1.26]	2 / 1.65 1.21 [0.15 - 4.37]	73 / 80.67 0.9 [0.71 - 1.14]	9 / 13.33 0.68 [0.31 - 1.28]	125 / 151.00 0.83 [0.69 - 0.99]	69 / 59.96 1.15 [0.90 - 1.46]	51 / 67.04 0.76 [0.57 - 1.00]	388 / 434.16 0.89 [0.81 - 0.99]
20-24	71 / 63.07 1.13 [0.88 - 1.42]	2 / 1.80 1.11 [0.13 - 4.01]	77 / 87.17 0.88 [0.70 - 1.10]	15 / 9.93 1.51 [0.85 - 2.49]	147 / 168.16 0.87 [0.74 - 1.03]	87 / 60.84 1.43 [1.15 - 1.76]	60 / 87.73 0.68 [0.52 - 0.88]	459 / 478.70 0.96 [0.87 - 1.05]
25+	335 / 352.10 0.95 [0.85 - 1.06]	3 / 4.59 0.65 [0.13 - 1.91]	366 / 388.59 0.94 [0.85 - 1.04]	12 / 10.42 1.15 [0.60 - 2.01]	859 / 898.98 0.96 [0.89 - 1.02]	116 / 106.54 1.09 [0.90 - 1.31]	626 / 682.86 0.92 [0.85 - 0.99]	2317 / 2444.08 0.95 [0.91 - 0.99]
Total	568 / 575.01 0.99 [0.91 - 1.07]	9 / 10.92 0.82 [0.38 - 1.56]	644 / 686.79 0.94 [0.87 - 1.01]	61 / 60.89 1 [0.77 - 1.29]	1328 / 1471.08 0.9 [0.85 - 0.95]	373 / 332.43 1.12 [1.01 - 1.24]	800 / 930.47 0.86 [0.80 - 0.92]	3783 / 4067.60 0.93 [0.90 - 0.96]

Table 2.7.2

Mortality from selected causes of death by employment in only one department and years since first employment

Stomach (151)

employment in only one department								
years since first employment(years)	-1-	-2-	-3-	-4-	-5-	-6-	More than one department	Total
1-9	8 / 6.89 1.16 [0.50 - 2.29]	0 / 0.13 0 [0.00 - 27.6]	4 / 7.12 0.56 [0.15 - 1.44]	0 / 1.04 0 [0.00 - 3.56]	11 / 17.45 0.63 [0.31 - 1.13]	4 / 5.18 0.77 [0.21 - 1.98]	1 / 5.41 0.18 [0.00 - 1.03]	28 / 43.23 0.65 [0.43 - 0.94]
10-14	10 / 6.07 1.65 [0.79 - 3.03]	1 / 0.12 8.36 [0.21 - 46.6]	2 / 5.93 0.34 [0.04 - 1.22]	1 / 0.73 1.37 [0.03 - 7.64]	8 / 15.10 0.53 [0.23 - 1.04]	0 / 3.83 0 [0.00 - 0.96]	3 / 5.51 0.54 [0.11 - 1.59]	25 / 37.29 0.67 [0.43 - 0.99]
15-19	7 / 7.15 0.98 [0.39 - 2.02]	0 / 0.14 0 [0.00 - 25.7]	6 / 7.30 0.82 [0.30 - 1.79]	1 / 0.73 1.36 [0.03 - 7.61]	12 / 17.96 0.67 [0.35 - 1.17]	2 / 4.41 0.45 [0.05 - 1.64]	7 / 7.55 0.93 [0.37 - 1.91]	35 / 45.25 0.77 [0.54 - 1.08]
20-24	7 / 7.34 0.95 [0.38 - 1.96]	1 / 0.16 6.23 [0.16 - 34.7]	7 / 7.67 0.91 [0.37 - 1.88]	0 / 0.49 0 [0.00 - 7.54]	13 / 19.01 0.68 [0.36 - 1.17]	3 / 4.12 0.73 [0.15 - 2.13]	10 / 9.25 1.08 [0.52 - 1.99]	41 / 48.04 0.85 [0.61 - 1.16]
25+	38 / 40.74 0.93 [0.66 - 1.28]	1 / 0.46 2.15 [0.05 - 12.0]	33 / 37.15 0.89 [0.61 - 1.25]	0 / 0.60 0 [0.00 - 6.12]	83 / 94.98 0.87 [0.70 - 1.08]	10 / 9.28 1.08 [0.52 - 1.98]	54 / 63.04 0.86 [0.64 - 1.12]	219 / 246.26 0.89 [0.78 - 1.02]
Total	70 / 68.20 1.03 [0.80 - 1.30]	3 / 1.02 2.94 [0.61 - 8.58]	52 / 65.17 0.8 [0.60 - 1.05]	2 / 3.59 0.56 [0.07 - 2.01]	127 / 164.50 0.77 [0.64 - 0.92]	19 / 26.83 0.71 [0.43 - 1.11]	75 / 90.76 0.83 [0.65 - 1.04]	348 / 420.07 0.83 [0.74 - 0.92]

Lung (162)

employment in only one department								
years since first employment(years)	-1-	-2-	-3-	-4-	-5-	-6-	More than one department	Total
1-9	10 / 10.51 0.95 [0.46 - 1.75]	0 / 0.40 0 [0.00 - 9.20]	12 / 16.68 0.72 [0.37 - 1.26]	6 / 4.54 1.32 [0.48 - 2.88]	25 / 29.32 0.85 [0.55 - 1.26]	18 / 16.89 1.07 [0.63 - 1.68]	6 / 9.27 0.65 [0.24 - 1.41]	77 / 87.61 0.88 [0.69 - 1.10]
10-14	14 / 10.87 1.29 [0.70 - 2.16]	1 / 0.41 2.45 [0.06 - 13.6]	20 / 16.79 1.19 [0.73 - 1.84]	2 / 3.82 0.52 [0.06 - 1.89]	27 / 28.96 0.93 [0.61 - 1.36]	17 / 15.09 1.13 [0.66 - 1.80]	11 / 11.74 0.94 [0.47 - 1.68]	92 / 87.67 1.05 [0.85 - 1.29]
15-19	14 / 14.13 0.99 [0.54 - 1.66]	0 / 0.48 0 [0.00 - 7.62]	29 / 22.23 1.3 [0.87 - 1.87]	1 / 4.14 0.24 [0.01 - 1.35]	35 / 38.72 0.9 [0.63 - 1.26]	20 / 18.68 1.07 [0.65 - 1.65]	14 / 18.34 0.76 [0.42 - 1.28]	113 / 116.72 0.97 [0.80 - 1.16]
20-24	15 / 14.56 1.03 [0.58 - 1.70]	0 / 0.47 0 [0.00 - 7.85]	23 / 23.85 0.96 [0.61 - 1.45]	5 / 2.95 1.7 [0.55 - 3.96]	46 / 43.62 1.05 [0.77 - 1.41]	29 / 18.47 1.57 [1.05 - 2.26]	18 / 24.79 0.73 [0.43 - 1.15]	136 / 128.70 1.06 [0.89 - 1.25]
25+	76 / 73.24 1.04 [0.82 - 1.30]	1 / 1.14 0.87 [0.02 - 4.87]	86 / 100.63 0.85 [0.68 - 1.06]	4 / 2.74 1.46 [0.40 - 3.74]	226 / 218.32 1.04 [0.90 - 1.18]	39 / 28.88 1.35 [0.96 - 1.85]	197 / 191.40 1.03 [0.89 - 1.18]	629 / 616.34 1.02 [0.94 - 1.10]
Total	129 / 123.31 1.05 [0.87 - 1.24]	2 / 2.91 0.69 [0.08 - 2.49]	170 / 180.17 0.94 [0.81 - 1.10]	18 / 18.18 0.99 [0.59 - 1.56]	359 / 358.93 1 [0.90 - 1.11]	123 / 98.00 1.26 [1.04 - 1.50]	246 / 255.54 0.96 [0.85 - 1.09]	1047 / 1037.05 1.01 [0.95 - 1.07]

Table 2.7.2

Mortality from selected causes of death by employment in only one department and years since first employment

Lymphatic & heamatopoeitic tissue (200-208)

employment in only one department								
years since first employment(years)	-1-	-2-	-3-	-4-	-5-	-6-	More than one department	Total
1-9	8 / 6.18 1.29 [0.56 - 2.55]	0 / 0.17 0 [0.00 - 21.4]	8 / 8.65 0.93 [0.40 - 1.82]	1 / 1.52 0.66 [0.02 - 3.68]	12 / 16.71 0.72 [0.37 - 1.25]	4 / 5.71 0.7 [0.19 - 1.79]	1 / 7.42 0.13 [0.00 - 0.75]	34 / 46.36 0.73 [0.51 - 1.02]
10-14	2 / 4.62 0.43 [0.05 - 1.57]	0 / 0.11 0 [0.00 - 32.5]	10 / 5.82 1.72 [0.82 - 3.16]	0 / 0.94 0 [0.00 - 3.92]	10 / 11.27 0.89 [0.43 - 1.63]	4 / 3.60 1.11 [0.30 - 2.85]	6 / 5.17 1.16 [0.43 - 2.53]	32 / 31.52 1.02 [0.69 - 1.43]
15-19	5 / 5.34 0.94 [0.30 - 2.18]	0 / 0.13 0 [0.00 - 28.8]	3 / 6.70 0.45 [0.09 - 1.31]	1 / 0.99 1.01 [0.03 - 5.64]	10 / 12.87 0.78 [0.37 - 1.43]	8 / 4.24 1.89 [0.81 - 3.72]	8 / 6.16 1.3 [0.56 - 2.56]	35 / 36.43 0.96 [0.67 - 1.34]
20-24	12 / 5.30 2.26 [1.17 - 3.96]	0 / 0.14 0 [0.00 - 26.5]	5 / 6.75 0.74 [0.24 - 1.73]	0 / 0.73 0 [0.00 - 5.05]	13 / 13.51 0.96 [0.51 - 1.65]	4 / 4.22 0.95 [0.26 - 2.43]	4 / 7.22 0.55 [0.15 - 1.42]	38 / 37.86 1 [0.71 - 1.38]
25+	25 / 28.05 0.89 [0.58 - 1.32]	0 / 0.32 0 [0.00 - 11.6]	27 / 27.58 0.98 [0.65 - 1.42]	1 / 0.71 1.41 [0.04 - 7.88]	58 / 69.16 0.84 [0.64 - 1.08]	6 / 7.09 0.85 [0.31 - 1.84]	53 / 49.85 1.06 [0.80 - 1.39]	170 / 182.76 0.93 [0.80 - 1.08]
Total	52 / 49.50 1.05 [0.78 - 1.38]	0 / 0.87 0 [0.00 - 4.24]	53 / 55.49 0.96 [0.72 - 1.25]	3 / 4.88 0.61 [0.13 - 1.80]	103 / 123.53 0.83 [0.68 - 1.01]	26 / 24.86 1.05 [0.68 - 1.53]	72 / 75.81 0.95 [0.74 - 1.20]	309 / 334.93 0.92 [0.82 - 1.03]

Ischaemic heart disease (410-414)

employment in only one department								
years since first employment(years)	-1-	-2-	-3-	-4-	-5-	-6-	More than one department	Total
1-9	38 / 60.04 0.63 [0.45 - 0.87]	0 / 1.54 0 [0.00 - 2.39]	64 / 71.38 0.9 [0.69 - 1.14]	17 / 14.81 1.15 [0.67 - 1.84]	92 / 132.79 0.69 [0.56 - 0.85]	50 / 55.53 0.9 [0.67 - 1.19]	13 / 42.94 0.3 [0.16 - 0.52]	274 / 379.03 0.72 [0.64 - 0.81]
10-14	66 / 59.83 1.1 [0.85 - 1.40]	1 / 1.45 0.69 [0.02 - 3.83]	73 / 68.40 1.07 [0.84 - 1.34]	16 / 12.10 1.32 [0.76 - 2.15]	115 / 132.42 0.87 [0.72 - 1.04]	40 / 47.19 0.85 [0.61 - 1.15]	36 / 50.54 0.71 [0.50 - 0.99]	347 / 371.94 0.93 [0.84 - 1.04]
15-19	76 / 77.82 0.98 [0.77 - 1.22]	0 / 1.71 0 [0.00 - 2.15]	92 / 89.30 1.03 [0.83 - 1.26]	17 / 13.28 1.28 [0.75 - 2.05]	161 / 178.90 0.9 [0.77 - 1.05]	61 / 57.75 1.06 [0.81 - 1.36]	60 / 77.39 0.78 [0.59 - 1.00]	467 / 496.15 0.94 [0.86 - 1.03]
20-24	88 / 83.97 1.05 [0.84 - 1.29]	1 / 1.92 0.52 [0.01 - 2.90]	102 / 97.12 1.05 [0.86 - 1.27]	15 / 9.63 1.56 [0.87 - 2.57]	164 / 209.18 0.78 [0.67 - 0.91]	61 / 55.68 1.1 [0.84 - 1.41]	73 / 104.27 0.7 [0.55 - 0.88]	504 / 561.77 0.9 [0.82 - 0.98]
25+	485 / 484.44 1 [0.91 - 1.09]	3 / 4.82 0.62 [0.13 - 1.82]	498 / 455.29 1.09 [1.00 - 1.19]	10 / 9.33 1.07 [0.51 - 1.97]	1169 / 1196.92 0.98 [0.92 - 1.03]	84 / 90.67 0.93 [0.74 - 1.15]	848 / 890.02 0.95 [0.89 - 1.02]	3097 / 3131.48 0.99 [0.95 - 1.02]
Total	753 / 766.09 0.98 [0.91 - 1.06]	5 / 11.45 0.44 [0.14 - 1.02]	829 / 781.49 1.06 [0.99 - 1.14]	75 / 59.15 1.27 [1.00 - 1.59]	1701 / 1850.22 0.92 [0.88 - 0.96]	296 / 306.82 0.96 [0.86 - 1.08]	1030 / 1165.16 0.88 [0.83 - 0.94]	4689 / 4940.38 0.95 [0.92 - 0.98]

Table 2.7.2

Mortality from selected causes of death by employment in only one department and years since first employment

DIS. OF RESPIRATORY SYSTEM (460-519)

employment in only one department								
years since first employment(years)	-1-	-2-	-3-	-4-	-5-	-6-	More than one department	Total
1-9	4 / 8.74 0.46 [0.12 - 1.17]	0 / 0.27 0 [0.00 - 13.7]	7 / 13.81 0.51 [0.20 - 1.04]	1 / 2.75 0.36 [0.01 - 2.02]	16 / 27.92 0.57 [0.33 - 0.93]	9 / 10.51 0.86 [0.39 - 1.62]	3 / 8.45 0.36 [0.07 - 1.04]	40 / 72.45 0.55 [0.39 - 0.75]
10-14	8 / 9.20 0.87 [0.38 - 1.71]	1 / 0.28 3.61 [0.09 - 20.1]	8 / 12.83 0.62 [0.27 - 1.23]	4 / 2.44 1.64 [0.45 - 4.20]	15 / 25.01 0.6 [0.34 - 0.99]	9 / 9.79 0.92 [0.42 - 1.75]	7 / 8.33 0.84 [0.34 - 1.73]	52 / 67.88 0.77 [0.57 - 1.00]
15-19	12 / 13.24 0.91 [0.47 - 1.58]	1 / 0.36 2.76 [0.07 - 15.4]	21 / 18.44 1.14 [0.70 - 1.74]	5 / 3.06 1.64 [0.53 - 3.82]	21 / 33.97 0.62 [0.38 - 0.94]	13 / 13.27 0.98 [0.52 - 1.68]	8 / 12.45 0.64 [0.28 - 1.27]	81 / 94.79 0.85 [0.68 - 1.06]
20-24	17 / 16.16 1.05 [0.61 - 1.68]	0 / 0.48 0 [0.00 - 7.73]	16 / 21.87 0.73 [0.42 - 1.19]	2 / 2.45 0.82 [0.10 - 2.95]	41 / 41.79 0.98 [0.70 - 1.33]	15 / 14.57 1.03 [0.58 - 1.70]	13 / 17.69 0.73 [0.39 - 1.26]	104 / 115.00 0.9 [0.74 - 1.10]
25+	116 / 128.41 0.9 [0.75 - 1.08]	2 / 1.64 1.22 [0.15 - 4.40]	95 / 123.53 0.77 [0.62 - 0.94]	2 / 2.33 0.86 [0.10 - 3.10]	214 / 303.95 0.7 [0.61 - 0.80]	37 / 29.50 1.25 [0.88 - 1.73]	181 / 212.47 0.85 [0.73 - 0.99]	647 / 801.83 0.81 [0.75 - 0.87]
Total	157 / 175.75 0.89 [0.76 - 1.04]	4 / 3.03 1.32 [0.36 - 3.38]	147 / 190.48 0.77 [0.65 - 0.91]	14 / 13.03 1.07 [0.59 - 1.80]	307 / 432.65 0.71 [0.63 - 0.79]	83 / 77.63 1.07 [0.85 - 1.33]	212 / 259.39 0.82 [0.71 - 0.94]	924 / 1151.96 0.8 [0.75 - 0.86]

EXTERNAL CAUSES (E800-999)

employment in only one department								
years since first employment(years)	-1-	-2-	-3-	-4-	-5-	-6-	More than one department	Total
1-9	56 / 62.31 0.9 [0.68 - 1.17]	1 / 1.97 0.51 [0.01 - 2.83]	122 / 98.15 1.24 [1.03 - 1.48]	13 / 15.19 0.86 [0.46 - 1.46]	132 / 232.54 0.57 [0.47 - 0.67]	57 / 40.11 1.42 [1.08 - 1.84]	41 / 116.37 0.35 [0.25 - 0.48]	422 / 566.64 0.74 [0.68 - 0.82]
10-14	16 / 29.68 0.54 [0.31 - 0.88]	2 / 0.72 2.78 [0.34 - 10.0]	36 / 44.49 0.81 [0.57 - 1.12]	10 / 5.91 1.69 [0.81 - 3.11]	76 / 105.55 0.72 [0.57 - 0.90]	25 / 17.95 1.39 [0.90 - 2.06]	60 / 61.03 0.98 [0.75 - 1.27]	225 / 265.32 0.85 [0.74 - 0.97]
15-19	28 / 26.45 1.06 [0.70 - 1.53]	0 / 0.59 0 [0.00 - 6.23]	34 / 39.71 0.86 [0.59 - 1.20]	9 / 4.54 1.98 [0.91 - 3.76]	75 / 91.02 0.82 [0.65 - 1.03]	21 / 16.70 1.26 [0.78 - 1.92]	54 / 57.38 0.94 [0.71 - 1.23]	221 / 236.40 0.93 [0.82 - 1.07]
20-24	23 / 21.40 1.07 [0.68 - 1.61]	0 / 0.51 0 [0.00 - 7.29]	34 / 32.46 1.05 [0.73 - 1.46]	1 / 2.82 0.35 [0.01 - 1.98]	64 / 72.73 0.88 [0.68 - 1.12]	24 / 13.64 1.76 [1.13 - 2.62]	48 / 52.20 0.92 [0.68 - 1.22]	194 / 195.75 0.99 [0.86 - 1.14]
25+	68 / 70.77 0.96 [0.75 - 1.22]	1 / 0.94 1.06 [0.03 - 5.93]	70 / 80.98 0.86 [0.67 - 1.09]	2 / 2.51 0.8 [0.10 - 2.88]	149 / 201.74 0.74 [0.62 - 0.87]	13 / 17.83 0.73 [0.39 - 1.25]	155 / 165.82 0.93 [0.79 - 1.09]	458 / 540.61 0.85 [0.77 - 0.93]
Total	191 / 210.60 0.91 [0.78 - 1.05]	4 / 4.73 0.85 [0.23 - 2.17]	296 / 295.78 1 [0.89 - 1.12]	35 / 30.98 1.13 [0.79 - 1.57]	496 / 703.58 0.7 [0.64 - 0.77]	140 / 106.24 1.32 [1.11 - 1.56]	358 / 452.80 0.79 [0.71 - 0.88]	1520 / 1804.71 0.84 [0.80 - 0.89]

Table 2.7.2

Mortality from selected causes of death by employment in only one department and years since first employment

TOTAL COHORT

Women

ALL CAUSES

employment in only one department

years since first employment(years)	-1-	-2-	-3-	-4-	-5-	-6-	More than one department	Total
1-9	5 / 10.37 0.48 [0.16 - 1.13]	1 / 0.22 4.48 [0.11 - 24.9]	32 / 50.32 0.64 [0.43 - 0.90]	11 / 15.81 0.7 [0.35 - 1.25]	50 / 72.41 0.69 [0.51 - 0.91]	11 / 14.55 0.76 [0.38 - 1.35]	10 / 27.84 0.36 [0.17 - 0.66]	120 / 191.51 0.63 [0.52 - 0.75]
10-14	4 / 9.27 0.43 [0.12 - 1.11]	0 / 0.12 0 [0.00 - 30.6]	38 / 41.63 0.91 [0.65 - 1.25]	10 / 10.45 0.96 [0.46 - 1.76]	25 / 52.31 0.48 [0.31 - 0.71]	12 / 11.24 1.07 [0.55 - 1.86]	15 / 22.57 0.66 [0.37 - 1.10]	104 / 147.59 0.7 [0.58 - 0.85]
15-19	8 / 13.44 0.6 [0.26 - 1.17]	0 / 0.08 0 [0.00 - 48.1]	66 / 55.65 1.19 [0.92 - 1.51]	7 / 10.92 0.64 [0.26 - 1.32]	47 / 64.14 0.73 [0.54 - 0.97]	12 / 15.22 0.79 [0.41 - 1.38]	21 / 28.87 0.73 [0.45 - 1.11]	161 / 188.31 0.85 [0.73 - 1.00]
20-24	15 / 16.91 0.89 [0.50 - 1.46]	0 / 0.00 . [. - .]	62 / 65.50 0.95 [0.73 - 1.21]	11 / 9.45 1.16 [0.58 - 2.08]	56 / 65.51 0.85 [0.65 - 1.11]	30 / 18.41 1.63 [1.10 - 2.33]	18 / 31.04 0.58 [0.34 - 0.92]	192 / 206.83 0.93 [0.80 - 1.07]
25+	144 / 163.72 0.88 [0.74 - 1.04]	0 / 0.00 . [. - .]	489 / 451.49 1.08 [0.99 - 1.18]	23 / 27.84 0.83 [0.52 - 1.24]	194 / 239.70 0.81 [0.70 - 0.93]	17 / 22.87 0.74 [0.43 - 1.19]	271 / 300.06 0.9 [0.80 - 1.02]	1138 / 1205.67 0.94 [0.89 - 1.00]
Total	176 / 213.70 0.82 [0.71 - 0.95]	1 / 0.42 2.38 [0.06 - 13.2]	687 / 664.59 1.03 [0.96 - 1.11]	62 / 74.47 0.83 [0.64 - 1.07]	372 / 494.07 0.75 [0.68 - 0.83]	82 / 82.29 1 [0.79 - 1.24]	335 / 410.37 0.82 [0.73 - 0.91]	1715 / 1939.91 0.88 [0.84 - 0.93]

ALL MALIGNANT NEOPLASMS (140-208)

employment in only one department

years since first employment(years)	-1-	-2-	-3-	-4-	-5-	-6-	More than one department	Total
1-9	1 / 3.41 0.29 [0.01 - 1.63]	1 / 0.07 13.4 [0.33 - 74.6]	15 / 17.15 0.87 [0.49 - 1.44]	4 / 5.51 0.73 [0.20 - 1.86]	14 / 24.53 0.57 [0.31 - 0.96]	6 / 5.70 1.05 [0.39 - 2.29]	2 / 8.28 0.24 [0.03 - 0.87]	43 / 64.66 0.67 [0.48 - 0.90]
10-14	1 / 3.20 0.31 [0.01 - 1.74]	0 / 0.04 0 [0.00 - 85.8]	19 / 15.43 1.23 [0.74 - 1.92]	7 / 4.15 1.69 [0.68 - 3.48]	10 / 18.94 0.53 [0.25 - 0.97]	7 / 4.26 1.64 [0.66 - 3.38]	9 / 7.85 1.15 [0.52 - 2.18]	53 / 53.88 0.98 [0.74 - 1.29]
15-19	3 / 4.48 0.67 [0.14 - 1.96]	0 / 0.03 0 [0.00 - 0140]	28 / 20.46 1.37 [0.91 - 1.98]	2 / 4.40 0.45 [0.06 - 1.64]	20 / 22.33 0.9 [0.55 - 1.38]	3 / 5.33 0.56 [0.12 - 1.65]	8 / 10.30 0.78 [0.34 - 1.53]	64 / 67.32 0.95 [0.73 - 1.21]
20-24	6 / 5.17 1.16 [0.43 - 2.53]	0 / 0.00 . [. - .]	20 / 23.56 0.85 [0.52 - 1.31]	4 / 3.71 1.08 [0.29 - 2.76]	20 / 21.17 0.94 [0.58 - 1.46]	11 / 5.90 1.87 [0.93 - 3.34]	6 / 10.83 0.55 [0.20 - 1.21]	67 / 70.33 0.95 [0.74 - 1.21]
25+	34 / 33.67 1.01 [0.70 - 1.41]	0 / 0.00 . [. - .]	137 / 128.79 1.06 [0.89 - 1.26]	7 / 7.98 0.88 [0.35 - 1.81]	59 / 57.81 1.02 [0.78 - 1.32]	6 / 6.74 0.89 [0.33 - 1.94]	60 / 69.22 0.87 [0.66 - 1.12]	303 / 304.21 1 [0.89 - 1.11]
Total	45 / 49.93 0.9 [0.66 - 1.21]	1 / 0.14 6.94 [0.17 - 38.7]	219 / 205.38 1.07 [0.93 - 1.22]	24 / 25.74 0.93 [0.60 - 1.39]	123 / 144.78 0.85 [0.71 - 1.01]	33 / 27.92 1.18 [0.81 - 1.66]	85 / 106.49 0.8 [0.64 - 0.99]	530 / 560.39 0.95 [0.87 - 1.03]

Table 2.7.2

Mortality from selected causes of death by employment in only one department and years since first employment

Stomach (151)

employment in only one department								
years since first employment(years)	-1-	-2-	-3-	-4-	-5-	-6-	More than one department	Total
1-9	0 / 0.35 0 [0.00 - 10.6]	0 / 0.00 0 [0.00 - 1049]	1 / 1.08 0.92 [0.02 - 5.15]	0 / 0.25 0 [0.00 - 14.7]	0 / 1.69 0 [0.00 - 2.19]	0 / 0.26 0 [0.00 - 14.1]	1 / 0.66 1.51 [0.04 - 8.40]	2 / 4.30 0.47 [0.06 - 1.68]
10-14	0 / 0.32 0 [0.00 - 11.4]	0 / 0.00 0 [0.00 - 1619]	2 / 0.96 2.08 [0.25 - 7.51]	0 / 0.19 0 [0.00 - 19.1]	0 / 1.30 0 [0.00 - 2.83]	0 / 0.20 0 [0.00 - 18.6]	1 / 0.62 1.6 [0.04 - 8.93]	3 / 3.61 0.83 [0.17 - 2.43]
15-19	0 / 0.47 0 [0.00 - 7.88]	0 / 0.00 0 [0.00 - 2368]	1 / 1.20 0.83 [0.02 - 4.64]	0 / 0.20 0 [0.00 - 18.6]	0 / 1.51 0 [0.00 - 2.44]	0 / 0.23 0 [0.00 - 16.3]	1 / 0.80 1.24 [0.03 - 6.93]	2 / 4.41 0.45 [0.05 - 1.64]
20-24	2 / 0.56 3.56 [0.43 - 12.9]	0 / 0.00 . [. - .]	0 / 1.35 0 [0.00 - 2.72]	0 / 0.16 0 [0.00 - 22.6]	0 / 1.45 0 [0.00 - 2.54]	0 / 0.23 0 [0.00 - 15.9]	1 / 0.87 1.15 [0.03 - 6.40]	3 / 4.63 0.65 [0.13 - 1.89]
25+	4 / 3.58 1.12 [0.30 - 2.86]	0 / 0.00 . [. - .]	11 / 8.44 1.3 [0.65 - 2.33]	0 / 0.42 0 [0.00 - 8.73]	3 / 4.33 0.69 [0.14 - 2.02]	0 / 0.29 0 [0.00 - 12.7]	4 / 5.99 0.67 [0.18 - 1.71]	22 / 23.07 0.95 [0.60 - 1.44]
Total	6 / 5.29 1.13 [0.42 - 2.47]	0 / 0.01 0 [0.00 - 0502]	15 / 13.04 1.15 [0.64 - 1.90]	0 / 1.23 0 [0.00 - 3.00]	3 / 10.28 0.29 [0.06 - 0.85]	0 / 1.21 0 [0.00 - 3.05]	8 / 8.96 0.89 [0.39 - 1.76]	32 / 40.01 0.8 [0.55 - 1.13]

Lung (162)

employment in only one department								
years since first employment(years)	-1-	-2-	-3-	-4-	-5-	-6-	More than one department	Total
1-9	0 / 0.14 0 [0.00 - 26.0]	0 / 0.01 0 [0.00 - 0451]	2 / 1.33 1.51 [0.18 - 5.45]	0 / 0.46 0 [0.00 - 8.10]	0 / 1.55 0 [0.00 - 2.38]	1 / 0.47 2.14 [0.05 - 11.9]	0 / 0.40 0 [0.00 - 9.16]	3 / 4.35 0.69 [0.14 - 2.01]
10-14	0 / 0.17 0 [0.00 - 21.7]	0 / 0.00 0 [0.00 - 0825]	0 / 1.50 0 [0.00 - 2.45]	1 / 0.39 2.56 [0.06 - 14.3]	1 / 1.44 0.69 [0.02 - 3.87]	0 / 0.47 0 [0.00 - 7.91]	0 / 0.50 0 [0.00 - 7.45]	2 / 4.47 0.45 [0.05 - 1.62]
15-19	0 / 0.27 0 [0.00 - 13.8]	0 / 0.00 0 [0.00 - 1875]	3 / 2.25 1.33 [0.27 - 3.89]	0 / 0.44 0 [0.00 - 8.46]	0 / 1.88 0 [0.00 - 1.97]	1 / 0.69 1.46 [0.04 - 8.12]	1 / 0.73 1.36 [0.03 - 7.59]	5 / 6.25 0.8 [0.26 - 1.87]
20-24	0 / 0.31 0 [0.00 - 11.8]	0 / 0.00 . [. - .]	7 / 2.68 2.61 [1.05 - 5.38]	0 / 0.41 0 [0.00 - 9.05]	3 / 1.86 1.61 [0.33 - 4.71]	3 / 0.86 3.5 [0.72 - 10.2]	0 / 0.84 0 [0.00 - 4.41]	13 / 6.96 1.87 [0.99 - 3.19]
25+	3 / 2.24 1.34 [0.28 - 3.92]	0 / 0.00 . [. - .]	21 / 14.99 1.4 [0.87 - 2.14]	1 / 0.64 1.55 [0.04 - 8.65]	8 / 4.73 1.69 [0.73 - 3.33]	1 / 0.84 1.18 [0.03 - 6.60]	9 / 5.47 1.65 [0.75 - 3.12]	43 / 28.91 1.49 [1.08 - 2.00]
Total	3 / 3.13 0.96 [0.20 - 2.80]	0 / 0.01 0 [0.00 - 0252]	33 / 22.75 1.45 [1.00 - 2.04]	2 / 2.33 0.86 [0.10 - 3.09]	12 / 11.46 1.05 [0.54 - 1.83]	6 / 3.32 1.81 [0.66 - 3.93]	10 / 7.94 1.26 [0.60 - 2.32]	66 / 50.95 1.3 [1.00 - 1.65]

Table 2.7.2

Mortality from selected causes of death by employment in only one department and years since first employment

Lymphatic & heamatopoetic tissue (200-208)

employment in only one department								
years since first employment(years)	-1-	-2-	-3-	-4-	-5-	-6-	More than one department	Total
1-9	0 / 0.32 0 [0.00 - 11.6]	0 / 0.01 0 [0.00 - 0493]	4 / 1.79 2.24 [0.61 - 5.73]	0 / 0.56 0 [0.00 - 6.62]	0 / 2.34 0 [0.00 - 1.58]	0 / 0.42 0 [0.00 - 8.81]	0 / 0.96 0 [0.00 - 3.86]	4 / 6.38 0.63 [0.17 - 1.60]
10-14	0 / 0.25 0 [0.00 - 14.8]	0 / 0.00 0 [0.00 - 1132]	2 / 1.23 1.63 [0.20 - 5.87]	1 / 0.31 3.18 [0.08 - 17.7]	0 / 1.47 0 [0.00 - 2.51]	1 / 0.27 3.65 [0.09 - 20.3]	2 / 0.65 3.06 [0.37 - 11.1]	6 / 4.19 1.43 [0.53 - 3.11]
15-19	0 / 0.33 0 [0.00 - 11.1]	0 / 0.00 0 [0.00 - 2021]	1 / 1.45 0.69 [0.02 - 3.85]	0 / 0.31 0 [0.00 - 12.1]	1 / 1.66 0.6 [0.02 - 3.36]	0 / 0.33 0 [0.00 - 11.3]	0 / 0.77 0 [0.00 - 4.82]	2 / 4.83 0.41 [0.05 - 1.50]
20-24	1 / 0.39 2.56 [0.06 - 14.2]	0 / 0.00 . [. - .]	2 / 1.57 1.28 [0.15 - 4.62]	1 / 0.26 3.85 [0.10 - 21.4]	0 / 1.59 0 [0.00 - 2.32]	2 / 0.38 5.27 [0.64 - 19.0]	0 / 0.81 0 [0.00 - 4.57]	6 / 4.99 1.2 [0.44 - 2.62]
25+	0 / 2.85 0 [0.00 - 1.29]	0 / 0.00 . [. - .]	9 / 8.87 1.02 [0.46 - 1.93]	0 / 0.62 0 [0.00 - 5.97]	4 / 4.84 0.83 [0.23 - 2.12]	1 / 0.46 2.17 [0.05 - 12.1]	3 / 5.65 0.53 [0.11 - 1.55]	17 / 23.28 0.73 [0.43 - 1.17]
Total	1 / 4.14 0.24 [0.01 - 1.35]	0 / 0.01 0 [0.00 - 0294]	18 / 14.89 1.21 [0.72 - 1.91]	2 / 2.05 0.97 [0.12 - 3.52]	5 / 11.89 0.42 [0.14 - 0.98]	4 / 1.86 2.15 [0.59 - 5.51]	5 / 8.83 0.57 [0.18 - 1.32]	35 / 43.68 0.8 [0.56 - 1.11]

Ischaemic heart disease (410-414)

employment in only one department								
years since first employment(years)	-1-	-2-	-3-	-4-	-5-	-6-	More than one department	Total
1-9	1 / 0.87 1.16 [0.03 - 6.44]	0 / 0.01 0 [0.00 - 0329]	5 / 4.35 1.15 [0.37 - 2.68]	2 / 0.96 2.08 [0.25 - 7.52]	3 / 6.13 0.49 [0.10 - 1.43]	1 / 1.77 0.57 [0.01 - 3.15]	1 / 1.65 0.61 [0.02 - 3.38]	13 / 15.73 0.83 [0.44 - 1.41]
10-14	2 / 1.13 1.77 [0.21 - 6.39]	0 / 0.01 0 [0.00 - 0413]	4 / 5.43 0.74 [0.20 - 1.89]	0 / 1.02 0 [0.00 - 3.60]	3 / 6.69 0.45 [0.09 - 1.31]	0 / 1.91 0 [0.00 - 1.93]	0 / 2.13 0 [0.00 - 1.73]	9 / 18.33 0.49 [0.22 - 0.93]
15-19	1 / 2.07 0.48 [0.01 - 2.69]	0 / 0.01 0 [0.00 - 0584]	15 / 8.73 1.72 [0.96 - 2.83]	1 / 1.43 0.7 [0.02 - 3.90]	5 / 10.40 0.48 [0.16 - 1.12]	2 / 2.97 0.67 [0.08 - 2.43]	1 / 3.70 0.27 [0.01 - 1.51]	25 / 29.31 0.85 [0.55 - 1.26]
20-24	1 / 3.11 0.32 [0.01 - 1.79]	0 / 0.00 . [. - .]	9 / 11.17 0.81 [0.37 - 1.53]	4 / 1.59 2.51 [0.68 - 6.43]	13 / 12.55 1.04 [0.55 - 1.77]	4 / 3.84 1.04 [0.28 - 2.67]	2 / 5.33 0.38 [0.05 - 1.36]	33 / 37.58 0.88 [0.60 - 1.23]
25+	37 / 34.94 1.06 [0.75 - 1.46]	0 / 0.00 . [. - .]	115 / 99.92 1.15 [0.95 - 1.38]	6 / 5.44 1.1 [0.40 - 2.40]	38 / 55.59 0.68 [0.48 - 0.94]	2 / 4.26 0.47 [0.06 - 1.70]	88 / 78.67 1.12 [0.90 - 1.38]	286 / 278.82 1.03 [0.91 - 1.15]
Total	42 / 42.12 1 [0.72 - 1.35]	0 / 0.03 0 [0.00 - 0139]	148 / 129.60 1.14 [0.97 - 1.34]	13 / 10.45 1.24 [0.66 - 2.13]	62 / 91.35 0.68 [0.52 - 0.87]	9 / 14.74 0.61 [0.28 - 1.16]	92 / 91.47 1.01 [0.81 - 1.23]	366 / 379.77 0.96 [0.87 - 1.07]

Table 2.7.2

Mortality from selected causes of death by employment in only one department and years since first employment

DIS. OF RESPIRATORY SYSTEM (460-519)

employment in only one department								
years since first employment(years)	-1-	-2-	-3-	-4-	-5-	-6-	More than one department	Total
1-9	2 / 0.35 5.76 [0.70 - 20.8]	0 / 0.01 0 [0.00 - 0387]	1 / 2.25 0.44 [0.01 - 2.48]	0 / 0.60 0 [0.00 - 6.15]	0 / 2.94 0 [0.00 - 1.26]	0 / 0.52 0 [0.00 - 7.12]	0 / 0.97 0 [0.00 - 3.79]	3 / 7.63 0.39 [0.08 - 1.15]
10-14	0 / 0.34 0 [0.00 - 10.9]	0 / 0.01 0 [0.00 - 0727]	0 / 1.98 0 [0.00 - 1.87]	0 / 0.42 0 [0.00 - 8.79]	1 / 2.25 0.45 [0.01 - 2.48]	1 / 0.54 1.86 [0.05 - 10.3]	1 / 0.76 1.31 [0.03 - 7.32]	3 / 6.29 0.48 [0.10 - 1.39]
15-19	0 / 0.53 0 [0.00 - 6.99]	0 / 0.00 0 [0.00 - 1717]	5 / 2.99 1.67 [0.54 - 3.90]	0 / 0.47 0 [0.00 - 7.79]	4 / 3.23 1.24 [0.34 - 3.17]	2 / 0.85 2.35 [0.28 - 8.50]	2 / 0.98 2.04 [0.25 - 7.38]	13 / 9.05 1.44 [0.76 - 2.46]
20-24	0 / 0.75 0 [0.00 - 4.93]	0 / 0.00 . [. - .]	5 / 3.85 1.3 [0.42 - 3.03]	0 / 0.48 0 [0.00 - 7.66]	3 / 3.75 0.8 [0.17 - 2.34]	1 / 1.14 0.88 [0.02 - 4.88]	2 / 1.18 1.7 [0.21 - 6.13]	11 / 11.15 0.99 [0.49 - 1.77]
25+	5 / 10.75 0.47 [0.15 - 1.09]	0 / 0.00 . [. - .]	41 / 34.51 1.19 [0.85 - 1.61]	1 / 1.61 0.62 [0.02 - 3.46]	14 / 18.41 0.76 [0.42 - 1.28]	0 / 1.46 0 [0.00 - 2.53]	16 / 19.09 0.84 [0.48 - 1.36]	77 / 85.83 0.9 [0.71 - 1.12]
Total	7 / 12.71 0.55 [0.22 - 1.13]	0 / 0.02 0 [0.00 - 0220]	52 / 45.58 1.14 [0.85 - 1.50]	1 / 3.59 0.28 [0.01 - 1.55]	22 / 30.57 0.72 [0.45 - 1.09]	4 / 4.51 0.89 [0.24 - 2.27]	21 / 22.98 0.91 [0.57 - 1.40]	107 / 119.95 0.89 [0.73 - 1.08]

EXTERNAL CAUSES (E800-999)

employment in only one department								
years since first employment(years)	-1-	-2-	-3-	-4-	-5-	-6-	More than one department	Total
1-9	0 / 1.28 0 [0.00 - 2.89]	0 / 0.05 0 [0.00 - 81.8]	5 / 7.77 0.64 [0.21 - 1.50]	2 / 3.32 0.6 [0.07 - 2.18]	13 / 11.06 1.18 [0.63 - 2.01]	1 / 2.07 0.48 [0.01 - 2.69]	1 / 5.48 0.18 [0.00 - 1.02]	22 / 31.01 0.71 [0.44 - 1.07]
10-14	0 / 0.75 0 [0.00 - 4.95]	0 / 0.02 0 [0.00 - 0230]	3 / 4.45 0.67 [0.14 - 1.97]	0 / 1.39 0 [0.00 - 2.65]	3 / 5.09 0.59 [0.12 - 1.72]	2 / 1.07 1.86 [0.23 - 6.73]	2 / 3.06 0.65 [0.08 - 2.36]	10 / 15.83 0.63 [0.30 - 1.16]
15-19	1 / 0.81 1.24 [0.03 - 6.90]	0 / 0.01 0 [0.00 - 0398]	4 / 4.76 0.84 [0.23 - 2.15]	0 / 1.05 0 [0.00 - 3.50]	4 / 4.74 0.84 [0.23 - 2.16]	1 / 1.15 0.87 [0.02 - 4.86]	3 / 3.06 0.98 [0.20 - 2.86]	13 / 15.57 0.83 [0.44 - 1.43]
20-24	1 / 0.78 1.28 [0.03 - 7.14]	0 / 0.00 . [. - .]	7 / 4.87 1.44 [0.58 - 2.96]	0 / 0.63 0 [0.00 - 5.83]	0 / 3.79 0 [0.00 - 0.97]	4 / 1.15 3.47 [0.95 - 8.89]	3 / 2.59 1.16 [0.24 - 3.38]	15 / 13.82 1.09 [0.61 - 1.79]
25+	2 / 5.67 0.35 [0.04 - 1.27]	0 / 0.00 . [. - .]	16 / 19.93 0.8 [0.46 - 1.30]	1 / 1.36 0.73 [0.02 - 4.09]	13 / 9.65 1.35 [0.72 - 2.30]	0 / 1.19 0 [0.00 - 3.10]	10 / 12.35 0.81 [0.39 - 1.49]	42 / 50.14 0.84 [0.60 - 1.13]
Total	4 / 9.28 0.43 [0.12 - 1.10]	0 / 0.07 0 [0.00 - 52.4]	35 / 41.78 0.84 [0.58 - 1.16]	3 / 7.76 0.39 [0.08 - 1.13]	33 / 34.32 0.96 [0.66 - 1.35]	8 / 6.63 1.21 [0.52 - 2.38]	19 / 26.53 0.72 [0.43 - 1.12]	102 / 126.38 0.81 [0.66 - 0.98]

Table 2.7.3

Mortality from selected causes of death by employment in only one department and years since first employment

TOTAL COHORT Excluding Brazil,South Africa

ALL CAUSES

employment in only one department								
years since first employment(years)	-1-	-2-	-3-	-4-	-5-	-6-	More than one department	Total
1-9	196 / 257.01 0.76 [0.66 - 0.88]	3 / 7.43 0.4 [0.08 - 1.18]	351 / 390.38 0.9 [0.81 - 1.00]	72 / 80.09 0.9 [0.70 - 1.13]	468 / 727.81 0.64 [0.59 - 0.70]	240 / 238.05 1.01 [0.88 - 1.14]	112 / 315.26 0.36 [0.29 - 0.43]	1442 / 2016.03 0.72 [0.68 - 0.75]
10-14	185 / 214.09 0.86 [0.74 - 1.00]	7 / 5.41 1.29 [0.52 - 2.67]	287 / 302.65 0.95 [0.84 - 1.06]	60 / 55.01 1.09 [0.83 - 1.40]	441 / 556.31 0.79 [0.72 - 0.87]	223 / 180.56 1.24 [1.08 - 1.41]	201 / 255.37 0.79 [0.68 - 0.90]	1404 / 1569.40 0.89 [0.85 - 0.94]
15-19	271 / 265.58 1.02 [0.90 - 1.15]	3 / 6.14 0.49 [0.10 - 1.43]	375 / 377.12 0.99 [0.90 - 1.10]	60 / 59.08 1.02 [0.77 - 1.31]	577 / 688.89 0.84 [0.77 - 0.91]	274 / 223.44 1.23 [1.09 - 1.38]	274 / 330.71 0.83 [0.73 - 0.93]	1834 / 1950.96 0.94 [0.90 - 0.98]
20-24	299 / 281.79 1.06 [0.94 - 1.19]	6 / 6.77 0.89 [0.33 - 1.93]	386 / 404.20 0.95 [0.86 - 1.06]	52 / 45.16 1.15 [0.86 - 1.51]	630 / 760.99 0.83 [0.76 - 0.90]	302 / 227.72 1.33 [1.18 - 1.48]	309 / 399.74 0.77 [0.69 - 0.86]	1984 / 2126.36 0.93 [0.89 - 0.98]
25+	1674 / 1712.53 0.98 [0.93 - 1.03]	12 / 17.77 0.68 [0.35 - 1.18]	2012 / 1982.32 1.01 [0.97 - 1.06]	61 / 64.03 0.95 [0.73 - 1.22]	3692 / 4035.10 0.91 [0.89 - 0.94]	406 / 407.92 1 [0.90 - 1.10]	2886 / 3100.93 0.93 [0.90 - 0.97]	10743 / 11320.60 0.95 [0.93 - 0.97]
Total	2625 / 2731.00 0.96 [0.92 - 1.00]	31 / 43.52 0.71 [0.48 - 1.01]	3411 / 3456.67 0.99 [0.95 - 1.02]	305 / 303.37 1.01 [0.90 - 1.12]	5808 / 6769.10 0.86 [0.84 - 0.88]	1445 / 1277.68 1.13 [1.07 - 1.19]	3782 / 4402.02 0.86 [0.83 - 0.89]	17407 / 18983.35 0.92 [0.90 - 0.93]

ALL MALIGNANT NEOPLASMS (140-208)

employment in only one department								
years since first employment(years)	-1-	-2-	-3-	-4-	-5-	-6-	More than one department	Total
1-9	54 / 54.28 0.99 [0.75 - 1.30]	1 / 1.59 0.63 [0.02 - 3.50]	73 / 85.30 0.86 [0.67 - 1.08]	18 / 20.74 0.87 [0.51 - 1.37]	110 / 150.83 0.73 [0.60 - 0.88]	55 / 63.07 0.87 [0.66 - 1.14]	19 / 54.10 0.35 [0.21 - 0.55]	330 / 429.92 0.77 [0.69 - 0.86]
10-14	48 / 50.85 0.94 [0.70 - 1.25]	2 / 1.40 1.42 [0.17 - 5.15]	89 / 77.29 1.15 [0.92 - 1.42]	18 / 16.13 1.12 [0.66 - 1.76]	100 / 131.34 0.76 [0.62 - 0.93]	59 / 51.98 1.14 [0.86 - 1.46]	54 / 54.47 0.99 [0.74 - 1.29]	370 / 383.47 0.96 [0.87 - 1.07]
15-19	61 / 64.69 0.94 [0.72 - 1.21]	2 / 1.68 1.19 [0.14 - 4.30]	101 / 101.12 1 [0.81 - 1.21]	11 / 17.73 0.62 [0.31 - 1.11]	140 / 168.25 0.83 [0.70 - 0.98]	72 / 65.28 1.1 [0.86 - 1.39]	57 / 77.21 0.74 [0.56 - 0.96]	444 / 495.97 0.9 [0.81 - 0.98]
20-24	77 / 68.04 1.13 [0.89 - 1.41]	2 / 1.80 1.11 [0.13 - 4.01]	97 / 110.73 0.88 [0.71 - 1.07]	19 / 13.64 1.39 [0.84 - 2.18]	161 / 186.74 0.86 [0.73 - 1.01]	98 / 66.73 1.47 [1.19 - 1.79]	66 / 98.48 0.67 [0.52 - 0.85]	520 / 546.15 0.95 [0.87 - 1.04]
25+	369 / 385.77 0.96 [0.86 - 1.06]	3 / 4.59 0.65 [0.13 - 1.91]	503 / 517.38 0.97 [0.89 - 1.06]	19 / 18.40 1.03 [0.62 - 1.61]	917 / 956.78 0.96 [0.90 - 1.02]	122 / 113.27 1.08 [0.89 - 1.29]	686 / 752.08 0.91 [0.85 - 0.98]	2619 / 2748.27 0.95 [0.92 - 0.99]
Total	609 / 623.63 0.98 [0.90 - 1.06]	10 / 11.07 0.9 [0.43 - 1.66]	863 / 891.83 0.97 [0.90 - 1.03]	85 / 86.64 0.98 [0.78 - 1.21]	1428 / 1593.94 0.9 [0.85 - 0.94]	406 / 360.34 1.13 [1.02 - 1.24]	882 / 1036.35 0.85 [0.80 - 0.91]	4283 / 4603.79 0.93 [0.90 - 0.96]

Table 2.7.3

Mortality from selected causes of death by employment in only one department and years since first employment

Stomach (151)

employment in only one department								
years since first employment(years)	-1-	-2-	-3-	-4-	-5-	-6-	More than one department	Total
1-9	8 / 7.18 1.11 [0.48 - 2.20]	0 / 0.14 0 [0.00 - 26.9]	5 / 8.16 0.61 [0.20 - 1.43]	0 / 1.29 0 [0.00 - 2.87]	11 / 17.94 0.61 [0.31 - 1.10]	4 / 5.44 0.73 [0.20 - 1.88]	2 / 6.04 0.33 [0.04 - 1.20]	30 / 46.20 0.65 [0.44 - 0.93]
10-14	10 / 6.35 1.58 [0.76 - 2.90]	1 / 0.12 8.2 [0.21 - 45.7]	4 / 6.89 0.58 [0.16 - 1.49]	1 / 0.92 1.08 [0.03 - 6.04]	8 / 15.50 0.52 [0.22 - 1.02]	0 / 4.03 0 [0.00 - 0.92]	4 / 6.11 0.65 [0.18 - 1.68]	28 / 39.92 0.7 [0.47 - 1.01]
15-19	7 / 7.57 0.92 [0.37 - 1.90]	0 / 0.14 0 [0.00 - 25.4]	7 / 8.50 0.82 [0.33 - 1.70]	1 / 0.93 1.07 [0.03 - 5.98]	12 / 18.68 0.64 [0.33 - 1.12]	2 / 4.64 0.43 [0.05 - 1.56]	8 / 8.33 0.96 [0.41 - 1.89]	37 / 48.79 0.76 [0.53 - 1.05]
20-24	9 / 7.87 1.14 [0.52 - 2.17]	1 / 0.16 6.23 [0.16 - 34.7]	7 / 9.02 0.78 [0.31 - 1.60]	0 / 0.65 0 [0.00 - 5.65]	13 / 20.05 0.65 [0.35 - 1.11]	3 / 4.36 0.69 [0.14 - 2.01]	11 / 10.11 1.09 [0.54 - 1.95]	44 / 52.22 0.84 [0.61 - 1.13]
25+	42 / 44.33 0.95 [0.68 - 1.28]	1 / 0.46 2.15 [0.05 - 12.0]	44 / 45.59 0.97 [0.70 - 1.30]	0 / 1.03 0 [0.00 - 3.60]	86 / 99.31 0.87 [0.69 - 1.07]	10 / 9.57 1.04 [0.50 - 1.92]	58 / 69.03 0.84 [0.64 - 1.09]	241 / 269.32 0.89 [0.79 - 1.02]
Total	76 / 73.30 1.04 [0.82 - 1.30]	3 / 1.03 2.91 [0.60 - 8.52]	67 / 78.17 0.86 [0.66 - 1.09]	2 / 4.82 0.42 [0.05 - 1.50]	130 / 171.48 0.76 [0.63 - 0.90]	19 / 28.04 0.68 [0.41 - 1.06]	83 / 99.63 0.83 [0.66 - 1.03]	380 / 456.45 0.83 [0.75 - 0.92]

Lung (162)

employment in only one department								
years since first employment(years)	-1-	-2-	-3-	-4-	-5-	-6-	More than one department	Total
1-9	10 / 10.59 0.94 [0.45 - 1.74]	0 / 0.41 0 [0.00 - 9.02]	14 / 17.97 0.78 [0.43 - 1.31]	6 / 5.00 1.2 [0.44 - 2.61]	20 / 29.76 0.67 [0.41 - 1.04]	19 / 17.35 1.09 [0.66 - 1.71]	6 / 9.64 0.62 [0.23 - 1.35]	75 / 90.73 0.83 [0.65 - 1.04]
10-14	14 / 10.99 1.27 [0.70 - 2.14]	1 / 0.41 2.42 [0.06 - 13.5]	20 / 18.29 1.09 [0.67 - 1.69]	3 / 4.21 0.71 [0.15 - 2.08]	26 / 29.50 0.88 [0.58 - 1.29]	17 / 15.56 1.09 [0.64 - 1.75]	11 / 12.22 0.9 [0.45 - 1.61]	92 / 91.18 1.01 [0.81 - 1.24]
15-19	13 / 14.35 0.91 [0.48 - 1.55]	0 / 0.49 0 [0.00 - 7.59]	32 / 24.48 1.31 [0.89 - 1.85]	1 / 4.57 0.22 [0.01 - 1.22]	33 / 39.77 0.83 [0.57 - 1.17]	21 / 19.36 1.08 [0.67 - 1.66]	15 / 19.06 0.79 [0.44 - 1.30]	115 / 122.08 0.94 [0.78 - 1.13]
20-24	15 / 14.84 1.01 [0.57 - 1.67]	0 / 0.47 0 [0.00 - 7.85]	30 / 26.53 1.13 [0.76 - 1.61]	5 / 3.35 1.49 [0.48 - 3.48]	46 / 45.04 1.02 [0.75 - 1.36]	32 / 19.32 1.66 [1.13 - 2.34]	18 / 25.61 0.7 [0.42 - 1.11]	146 / 135.17 1.08 [0.91 - 1.27]
25+	79 / 75.47 1.05 [0.83 - 1.30]	1 / 1.14 0.87 [0.02 - 4.87]	107 / 115.62 0.93 [0.76 - 1.12]	5 / 3.38 1.48 [0.48 - 3.45]	234 / 223.05 1.05 [0.92 - 1.19]	40 / 29.72 1.35 [0.96 - 1.83]	206 / 196.87 1.05 [0.91 - 1.20]	672 / 645.26 1.04 [0.96 - 1.12]
Total	131 / 126.26 1.04 [0.87 - 1.23]	2 / 2.92 0.68 [0.08 - 2.47]	203 / 202.88 1 [0.87 - 1.15]	20 / 20.51 0.97 [0.60 - 1.51]	359 / 367.12 0.98 [0.88 - 1.08]	129 / 101.32 1.27 [1.06 - 1.51]	256 / 263.39 0.97 [0.86 - 1.10]	1100 / 1084.41 1.01 [0.96 - 1.08]

Table 2.7.3

Mortality from selected causes of death by employment in only one department and years since first employment

Lymphatic & heamatopoietic tissue (200-208)

employment in only one department								
years since first employment(years)	-1-	-2-	-3-	-4-	-5-	-6-	More than one department	Total
1-9	8 / 6.41 1.25 [0.54 - 2.46]	0 / 0.18 0 [0.00 - 20.5]	12 / 10.39 1.15 [0.60 - 2.02]	1 / 2.07 0.48 [0.01 - 2.69]	12 / 18.03 0.67 [0.34 - 1.16]	4 / 6.12 0.65 [0.18 - 1.67]	1 / 8.33 0.12 [0.00 - 0.67]	38 / 51.55 0.74 [0.52 - 1.01]
10-14	1 / 4.83 0.21 [0.01 - 1.15]	0 / 0.12 0 [0.00 - 31.6]	12 / 7.05 1.7 [0.88 - 2.98]	1 / 1.25 0.8 [0.02 - 4.44]	9 / 12.24 0.74 [0.34 - 1.40]	5 / 3.87 1.29 [0.42 - 3.01]	7 / 5.81 1.21 [0.48 - 2.48]	35 / 35.17 1 [0.69 - 1.38]
15-19	5 / 5.65 0.89 [0.29 - 2.07]	0 / 0.13 0 [0.00 - 28.4]	4 / 8.15 0.49 [0.13 - 1.26]	1 / 1.29 0.77 [0.02 - 4.31]	11 / 14.16 0.78 [0.39 - 1.39]	8 / 4.57 1.75 [0.76 - 3.45]	7 / 6.91 1.01 [0.41 - 2.09]	36 / 40.86 0.88 [0.62 - 1.22]
20-24	13 / 5.68 2.29 [1.22 - 3.92]	0 / 0.14 0 [0.00 - 26.5]	7 / 8.31 0.84 [0.34 - 1.73]	1 / 0.99 1.01 [0.03 - 5.63]	13 / 14.93 0.87 [0.46 - 1.49]	6 / 4.60 1.3 [0.48 - 2.84]	4 / 8.02 0.5 [0.14 - 1.28]	44 / 42.67 1.03 [0.75 - 1.38]
25+	25 / 30.90 0.81 [0.52 - 1.19]	0 / 0.32 0 [0.00 - 11.6]	36 / 36.44 0.99 [0.69 - 1.37]	1 / 1.33 0.75 [0.02 - 4.20]	62 / 74.00 0.84 [0.64 - 1.07]	7 / 7.55 0.93 [0.37 - 1.91]	56 / 55.50 1.01 [0.76 - 1.31]	187 / 206.04 0.91 [0.78 - 1.05]
Total	52 / 53.47 0.97 [0.73 - 1.28]	0 / 0.88 0 [0.00 - 4.18]	71 / 70.34 1.01 [0.79 - 1.27]	5 / 6.94 0.72 [0.23 - 1.68]	107 / 133.37 0.8 [0.66 - 0.97]	30 / 26.71 1.12 [0.76 - 1.60]	75 / 84.57 0.89 [0.70 - 1.11]	340 / 376.28 0.9 [0.81 - 1.00]

Ischaemic heart disease (410-414)

employment in only one department								
years since first employment(years)	-1-	-2-	-3-	-4-	-5-	-6-	More than one department	Total
1-9	39 / 60.50 0.64 [0.46 - 0.88]	0 / 1.56 0 [0.00 - 2.37]	69 / 75.47 0.91 [0.71 - 1.16]	19 / 15.77 1.2 [0.73 - 1.88]	93 / 132.01 0.7 [0.57 - 0.86]	51 / 57.29 0.89 [0.66 - 1.17]	14 / 44.36 0.32 [0.17 - 0.53]	285 / 386.96 0.74 [0.65 - 0.83]
10-14	67 / 60.66 1.1 [0.86 - 1.40]	1 / 1.46 0.68 [0.02 - 3.81]	77 / 73.83 1.04 [0.82 - 1.30]	16 / 13.13 1.22 [0.70 - 1.98]	115 / 133.80 0.86 [0.71 - 1.03]	40 / 49.10 0.81 [0.58 - 1.11]	36 / 52.55 0.69 [0.48 - 0.95]	352 / 384.53 0.92 [0.82 - 1.02]
15-19	77 / 79.60 0.97 [0.76 - 1.21]	0 / 1.72 0 [0.00 - 2.15]	107 / 98.03 1.09 [0.89 - 1.32]	18 / 14.71 1.22 [0.73 - 1.93]	164 / 184.65 0.89 [0.76 - 1.03]	63 / 60.73 1.04 [0.80 - 1.33]	61 / 80.97 0.75 [0.58 - 0.97]	490 / 520.39 0.94 [0.86 - 1.03]
20-24	89 / 86.89 1.02 [0.82 - 1.26]	1 / 1.92 0.52 [0.01 - 2.90]	111 / 108.28 1.03 [0.84 - 1.23]	19 / 11.22 1.69 [1.02 - 2.64]	175 / 219.39 0.8 [0.68 - 0.93]	65 / 59.52 1.09 [0.84 - 1.39]	75 / 109.52 0.68 [0.54 - 0.86]	535 / 596.73 0.9 [0.82 - 0.98]
25+	522 / 519.38 1.01 [0.92 - 1.10]	3 / 4.82 0.62 [0.13 - 1.82]	613 / 555.21 1.1 [1.02 - 1.20]	16 / 14.77 1.08 [0.62 - 1.76]	1207 / 1252.49 0.96 [0.91 - 1.02]	86 / 94.92 0.91 [0.72 - 1.12]	936 / 968.69 0.97 [0.91 - 1.03]	3383 / 3410.29 0.99 [0.96 - 1.03]
Total	794 / 807.02 0.98 [0.92 - 1.05]	5 / 11.48 0.44 [0.14 - 1.02]	977 / 910.82 1.07 [1.01 - 1.14]	88 / 69.60 1.26 [1.01 - 1.56]	1754 / 1922.34 0.91 [0.87 - 0.96]	305 / 321.55 0.95 [0.85 - 1.06]	1122 / 1256.07 0.89 [0.84 - 0.95]	5045 / 5298.90 0.95 [0.93 - 0.98]

Table 2.7.3

Mortality from selected causes of death by employment in only one department and years since first employment

DIS. OF RESPIRATORY SYSTEM (460-519)

employment in only one department								
years since first employment(years)	-1-	-2-	-3-	-4-	-5-	-6-	More than one department	Total
1-9	6 / 8.73 0.69 [0.25 - 1.50]	0 / 0.28 0 [0.00 - 13.2]	8 / 15.87 0.5 [0.22 - 0.99]	1 / 3.35 0.3 [0.01 - 1.66]	13 / 25.94 0.5 [0.27 - 0.86]	9 / 11.02 0.82 [0.37 - 1.55]	3 / 9.24 0.32 [0.07 - 0.95]	40 / 74.43 0.54 [0.38 - 0.73]
10-14	8 / 9.33 0.86 [0.37 - 1.69]	1 / 0.28 3.54 [0.09 - 19.7]	8 / 14.81 0.54 [0.23 - 1.06]	4 / 2.86 1.4 [0.38 - 3.58]	13 / 23.99 0.54 [0.29 - 0.93]	9 / 10.33 0.87 [0.40 - 1.65]	8 / 9.01 0.89 [0.38 - 1.75]	51 / 70.61 0.72 [0.54 - 0.95]
15-19	12 / 13.60 0.88 [0.46 - 1.54]	1 / 0.36 2.74 [0.07 - 15.3]	26 / 21.43 1.21 [0.79 - 1.78]	5 / 3.53 1.42 [0.46 - 3.31]	24 / 34.52 0.7 [0.45 - 1.03]	15 / 14.12 1.06 [0.59 - 1.75]	10 / 13.36 0.75 [0.36 - 1.38]	93 / 100.91 0.92 [0.74 - 1.13]
20-24	16 / 16.81 0.95 [0.54 - 1.55]	0 / 0.48 0 [0.00 - 7.73]	21 / 25.72 0.82 [0.51 - 1.25]	2 / 2.93 0.68 [0.08 - 2.47]	43 / 44.28 0.97 [0.70 - 1.31]	16 / 15.71 1.02 [0.58 - 1.65]	15 / 18.82 0.8 [0.45 - 1.31]	113 / 124.76 0.91 [0.75 - 1.09]
25+	121 / 139.15 0.87 [0.72 - 1.04]	2 / 1.64 1.22 [0.15 - 4.40]	136 / 158.03 0.86 [0.72 - 1.02]	3 / 3.94 0.76 [0.16 - 2.22]	228 / 322.35 0.71 [0.62 - 0.81]	37 / 30.95 1.2 [0.84 - 1.65]	197 / 231.56 0.85 [0.74 - 0.98]	724 / 887.65 0.82 [0.76 - 0.88]
Total	163 / 187.62 0.87 [0.74 - 1.01]	4 / 3.05 1.31 [0.36 - 3.36]	199 / 235.86 0.84 [0.73 - 0.97]	15 / 16.61 0.9 [0.51 - 1.49]	321 / 451.09 0.71 [0.64 - 0.79]	86 / 82.13 1.05 [0.84 - 1.29]	233 / 281.99 0.83 [0.72 - 0.94]	1021 / 1258.35 0.81 [0.76 - 0.86]

EXTERNAL CAUSES (E800-999)

employment in only one department								
years since first employment(years)	-1-	-2-	-3-	-4-	-5-	-6-	More than one department	Total
1-9	54 / 59.37 0.91 [0.68 - 1.19]	1 / 2.01 0.5 [0.01 - 2.77]	126 / 104.42 1.21 [1.01 - 1.44]	15 / 18.51 0.81 [0.45 - 1.34]	126 / 206.83 0.61 [0.51 - 0.73]	58 / 42.13 1.38 [1.05 - 1.78]	42 / 119.91 0.35 [0.25 - 0.47]	422 / 553.17 0.76 [0.69 - 0.84]
10-14	16 / 29.05 0.55 [0.31 - 0.89]	2 / 0.74 2.72 [0.33 - 9.82]	39 / 48.91 0.8 [0.57 - 1.09]	10 / 7.30 1.37 [0.66 - 2.52]	75 / 97.19 0.77 [0.61 - 0.97]	27 / 19.01 1.42 [0.94 - 2.07]	62 / 63.51 0.98 [0.75 - 1.25]	231 / 265.71 0.87 [0.76 - 0.99]
15-19	29 / 26.50 1.09 [0.73 - 1.57]	0 / 0.60 0 [0.00 - 6.13]	38 / 44.46 0.85 [0.60 - 1.17]	9 / 5.60 1.61 [0.73 - 3.05]	74 / 87.89 0.84 [0.66 - 1.06]	22 / 17.85 1.23 [0.77 - 1.87]	56 / 60.14 0.93 [0.70 - 1.21]	228 / 243.03 0.94 [0.82 - 1.07]
20-24	23 / 21.88 1.05 [0.67 - 1.58]	0 / 0.51 0 [0.00 - 7.29]	41 / 37.32 1.1 [0.79 - 1.49]	1 / 3.45 0.29 [0.01 - 1.61]	64 / 73.88 0.87 [0.67 - 1.11]	28 / 14.79 1.89 [1.26 - 2.74]	50 / 54.67 0.91 [0.68 - 1.21]	207 / 206.50 1 [0.87 - 1.15]
25+	70 / 76.44 0.92 [0.71 - 1.16]	1 / 0.94 1.06 [0.03 - 5.93]	86 / 100.92 0.85 [0.68 - 1.05]	3 / 3.87 0.77 [0.16 - 2.26]	162 / 211.38 0.77 [0.65 - 0.89]	13 / 19.02 0.68 [0.36 - 1.17]	165 / 178.17 0.93 [0.79 - 1.08]	500 / 590.74 0.85 [0.77 - 0.92]
Total	192 / 213.23 0.9 [0.78 - 1.04]	4 / 4.80 0.83 [0.23 - 2.14]	330 / 336.03 0.98 [0.88 - 1.09]	38 / 38.74 0.98 [0.69 - 1.35]	501 / 677.16 0.74 [0.68 - 0.81]	148 / 112.80 1.31 [1.11 - 1.54]	375 / 476.39 0.79 [0.71 - 0.87]	1588 / 1859.15 0.85 [0.81 - 0.90]

Table 2.7.4

Mortality from selected causes of death by employment in only one department and years since first employment

TOTAL COHORT Excluding Brazil, South Africa
Men

ALL CAUSES

employment in only one department

years since first employment(years)	-1-	-2-	-3-	-4-	-5-	-6-	More than one department	Total
1-9	191 / 246.68 0.77 [0.67 - 0.89]	2 / 7.20 0.28 [0.03 - 1.00]	319 / 340.52 0.94 [0.84 - 1.05]	61 / 64.29 0.95 [0.73 - 1.22]	423 / 661.45 0.64 [0.58 - 0.70]	229 / 223.50 1.02 [0.90 - 1.17]	102 / 287.49 0.35 [0.29 - 0.43]	1327 / 1831.13 0.72 [0.69 - 0.76]
10-14	181 / 204.83 0.88 [0.76 - 1.02]	7 / 5.29 1.32 [0.53 - 2.73]	249 / 261.02 0.95 [0.84 - 1.08]	50 / 44.56 1.12 [0.83 - 1.48]	418 / 507.46 0.82 [0.75 - 0.91]	211 / 169.31 1.25 [1.08 - 1.43]	186 / 232.84 0.8 [0.69 - 0.92]	1302 / 1425.31 0.91 [0.86 - 0.96]
15-19	263 / 252.15 1.04 [0.92 - 1.18]	3 / 6.06 0.49 [0.10 - 1.45]	309 / 321.47 0.96 [0.86 - 1.07]	53 / 48.16 1.1 [0.82 - 1.44]	533 / 627.15 0.85 [0.78 - 0.93]	262 / 208.21 1.26 [1.11 - 1.42]	253 / 301.85 0.84 [0.74 - 0.95]	1676 / 1765.06 0.95 [0.90 - 1.00]
20-24	284 / 264.88 1.07 [0.95 - 1.20]	6 / 6.77 0.89 [0.33 - 1.93]	324 / 338.71 0.96 [0.86 - 1.07]	41 / 35.70 1.15 [0.82 - 1.56]	575 / 696.62 0.83 [0.76 - 0.90]	272 / 209.31 1.3 [1.15 - 1.46]	291 / 368.70 0.79 [0.70 - 0.89]	1793 / 1920.69 0.93 [0.89 - 0.98]
25+	1530 / 1548.81 0.99 [0.94 - 1.04]	12 / 17.77 0.68 [0.35 - 1.18]	1523 / 1530.82 0.99 [0.95 - 1.05]	38 / 36.19 1.05 [0.74 - 1.44]	3498 / 3795.42 0.92 [0.89 - 0.95]	389 / 385.05 1.01 [0.91 - 1.12]	2615 / 2800.88 0.93 [0.90 - 0.97]	9605 / 10114.95 0.95 [0.93 - 0.97]
Total	2449 / 2517.35 0.97 [0.93 - 1.01]	30 / 43.10 0.7 [0.47 - 0.99]	2724 / 2792.55 0.98 [0.94 - 1.01]	243 / 228.90 1.06 [0.93 - 1.20]	5447 / 6288.10 0.87 [0.84 - 0.89]	1363 / 1195.39 1.14 [1.08 - 1.20]	3447 / 3991.76 0.86 [0.83 - 0.89]	15703 / 17057.13 0.92 [0.91 - 0.94]

ALL MALIGNANT NEOPLASMS (140-208)

employment in only one department

years since first employment(years)	-1-	-2-	-3-	-4-	-5-	-6-	More than one department	Total
1-9	53 / 50.87 1.04 [0.78 - 1.36]	0 / 1.52 0 [0.00 - 2.43]	58 / 68.23 0.85 [0.65 - 1.10]	14 / 15.23 0.92 [0.50 - 1.54]	96 / 127.12 0.76 [0.61 - 0.92]	49 / 57.37 0.85 [0.63 - 1.13]	17 / 45.83 0.37 [0.22 - 0.59]	287 / 366.17 0.78 [0.70 - 0.88]
10-14	47 / 47.65 0.99 [0.72 - 1.31]	2 / 1.36 1.47 [0.18 - 5.31]	70 / 61.87 1.13 [0.88 - 1.43]	11 / 11.98 0.92 [0.46 - 1.64]	90 / 112.99 0.8 [0.64 - 0.98]	52 / 47.72 1.09 [0.81 - 1.43]	45 / 46.62 0.97 [0.70 - 1.29]	317 / 330.18 0.96 [0.86 - 1.07]
15-19	58 / 60.21 0.96 [0.73 - 1.25]	2 / 1.65 1.21 [0.15 - 4.37]	73 / 80.66 0.91 [0.71 - 1.14]	9 / 13.33 0.68 [0.31 - 1.28]	120 / 146.35 0.82 [0.68 - 0.98]	69 / 59.96 1.15 [0.90 - 1.46]	49 / 66.92 0.73 [0.54 - 0.97]	380 / 429.08 0.89 [0.80 - 0.98]
20-24	71 / 62.87 1.13 [0.88 - 1.42]	2 / 1.80 1.11 [0.13 - 4.01]	77 / 87.17 0.88 [0.70 - 1.10]	15 / 9.93 1.51 [0.85 - 2.49]	141 / 165.78 0.85 [0.72 - 1.00]	87 / 60.84 1.43 [1.15 - 1.76]	60 / 87.65 0.68 [0.52 - 0.88]	453 / 476.04 0.95 [0.87 - 1.04]
25+	335 / 352.10 0.95 [0.85 - 1.06]	3 / 4.59 0.65 [0.13 - 1.91]	366 / 388.59 0.94 [0.85 - 1.04]	12 / 10.42 1.15 [0.60 - 2.01]	858 / 898.97 0.95 [0.89 - 1.02]	116 / 106.54 1.09 [0.90 - 1.31]	626 / 682.86 0.92 [0.85 - 0.99]	2316 / 2444.06 0.95 [0.91 - 0.99]
Total	564 / 573.70 0.98 [0.90 - 1.07]	9 / 10.92 0.82 [0.38 - 1.56]	644 / 686.52 0.94 [0.87 - 1.01]	61 / 60.89 1 [0.77 - 1.29]	1305 / 1451.21 0.9 [0.85 - 0.95]	373 / 332.42 1.12 [1.01 - 1.24]	797 / 929.87 0.86 [0.80 - 0.92]	3753 / 4045.54 0.93 [0.90 - 0.96]

Table 2.7.4

Mortality from selected causes of death by employment in only one department and years since first employment

Stomach (151)

employment in only one department								
years since first employment(years)	-1-	-2-	-3-	-4-	-5-	-6-	More than one department	Total
1-9	8 / 6.83 1.17 [0.51 - 2.31]	0 / 0.13 0 [0.00 - 27.6]	4 / 7.09 0.56 [0.15 - 1.45]	0 / 1.04 0 [0.00 - 3.56]	11 / 16.31 0.67 [0.34 - 1.21]	4 / 5.18 0.77 [0.21 - 1.98]	1 / 5.38 0.19 [0.00 - 1.04]	28 / 41.96 0.67 [0.44 - 0.96]
10-14	10 / 6.02 1.66 [0.80 - 3.05]	1 / 0.12 8.36 [0.21 - 46.6]	2 / 5.93 0.34 [0.04 - 1.22]	1 / 0.73 1.37 [0.03 - 7.64]	8 / 14.24 0.56 [0.24 - 1.11]	0 / 3.83 0 [0.00 - 0.96]	3 / 5.49 0.55 [0.11 - 1.60]	25 / 36.36 0.69 [0.45 - 1.02]
15-19	7 / 7.10 0.99 [0.40 - 2.03]	0 / 0.14 0 [0.00 - 25.7]	6 / 7.29 0.82 [0.30 - 1.79]	1 / 0.73 1.36 [0.03 - 7.61]	12 / 17.20 0.7 [0.36 - 1.22]	2 / 4.41 0.45 [0.05 - 1.64]	7 / 7.53 0.93 [0.37 - 1.92]	35 / 44.41 0.79 [0.55 - 1.10]
20-24	7 / 7.31 0.96 [0.39 - 1.97]	1 / 0.16 6.23 [0.16 - 34.7]	7 / 7.67 0.91 [0.37 - 1.88]	0 / 0.49 0 [0.00 - 7.54]	13 / 18.61 0.7 [0.37 - 1.19]	3 / 4.12 0.73 [0.15 - 2.13]	10 / 9.24 1.08 [0.52 - 1.99]	41 / 47.60 0.86 [0.62 - 1.17]
25+	38 / 40.74 0.93 [0.66 - 1.28]	1 / 0.46 2.15 [0.05 - 12.0]	33 / 37.15 0.89 [0.61 - 1.25]	0 / 0.60 0 [0.00 - 6.12]	83 / 94.97 0.87 [0.70 - 1.08]	10 / 9.28 1.08 [0.52 - 1.98]	54 / 63.04 0.86 [0.64 - 1.12]	219 / 246.25 0.89 [0.78 - 1.02]
Total	70 / 68.01 1.03 [0.80 - 1.30]	3 / 1.02 2.94 [0.61 - 8.58]	52 / 65.13 0.8 [0.60 - 1.05]	2 / 3.59 0.56 [0.07 - 2.01]	127 / 161.33 0.79 [0.66 - 0.94]	19 / 26.83 0.71 [0.43 - 1.11]	75 / 90.67 0.83 [0.65 - 1.04]	348 / 416.58 0.84 [0.75 - 0.93]

Lung (162)

employment in only one department								
years since first employment(years)	-1-	-2-	-3-	-4-	-5-	-6-	More than one department	Total
1-9	10 / 10.45 0.96 [0.46 - 1.76]	0 / 0.40 0 [0.00 - 9.20]	12 / 16.65 0.72 [0.37 - 1.26]	6 / 4.54 1.32 [0.48 - 2.88]	20 / 28.25 0.71 [0.43 - 1.09]	18 / 16.89 1.07 [0.63 - 1.68]	6 / 9.24 0.65 [0.24 - 1.41]	72 / 86.41 0.83 [0.65 - 1.05]
10-14	14 / 10.82 1.29 [0.71 - 2.17]	1 / 0.41 2.45 [0.06 - 13.6]	20 / 16.78 1.19 [0.73 - 1.84]	2 / 3.82 0.52 [0.06 - 1.89]	25 / 28.09 0.89 [0.58 - 1.31]	17 / 15.09 1.13 [0.66 - 1.80]	11 / 11.72 0.94 [0.47 - 1.68]	90 / 86.74 1.04 [0.83 - 1.28]
15-19	13 / 14.09 0.92 [0.49 - 1.58]	0 / 0.48 0 [0.00 - 7.62]	29 / 22.23 1.3 [0.87 - 1.87]	1 / 4.14 0.24 [0.01 - 1.35]	33 / 37.92 0.87 [0.60 - 1.22]	20 / 18.68 1.07 [0.65 - 1.65]	14 / 18.32 0.76 [0.42 - 1.28]	110 / 115.86 0.95 [0.78 - 1.14]
20-24	15 / 14.53 1.03 [0.58 - 1.70]	0 / 0.47 0 [0.00 - 7.85]	23 / 23.85 0.96 [0.61 - 1.45]	5 / 2.95 1.7 [0.55 - 3.96]	43 / 43.19 1 [0.72 - 1.34]	29 / 18.47 1.57 [1.05 - 2.26]	18 / 24.77 0.73 [0.43 - 1.15]	133 / 128.22 1.04 [0.87 - 1.23]
25+	76 / 73.24 1.04 [0.82 - 1.30]	1 / 1.14 0.87 [0.02 - 4.87]	86 / 100.63 0.85 [0.68 - 1.06]	4 / 2.74 1.46 [0.40 - 3.74]	226 / 218.32 1.04 [0.90 - 1.18]	39 / 28.88 1.35 [0.96 - 1.85]	197 / 191.40 1.03 [0.89 - 1.18]	629 / 616.34 1.02 [0.94 - 1.10]
Total	128 / 123.13 1.04 [0.87 - 1.24]	2 / 2.91 0.69 [0.08 - 2.49]	170 / 180.14 0.94 [0.81 - 1.10]	18 / 18.18 0.99 [0.59 - 1.56]	347 / 355.76 0.98 [0.88 - 1.08]	123 / 98.00 1.26 [1.04 - 1.50]	246 / 255.46 0.96 [0.85 - 1.09]	1034 / 1033.57 1 [0.94 - 1.06]

Table 2.7.4

Mortality from selected causes of death by employment in only one department and years since first employment

Lymphatic & heamatopoeitic tissue (200-208)

employment in only one department								
years since first employment(years)	-1-	-2-	-3-	-4-	-5-	-6-	More than one department	Total
1-9	8 / 6.10 1.31 [0.57 - 2.59]	0 / 0.17 0 [0.00 - 21.4]	8 / 8.61 0.93 [0.40 - 1.83]	1 / 1.52 0.66 [0.02 - 3.68]	12 / 15.78 0.76 [0.39 - 1.33]	4 / 5.71 0.7 [0.19 - 1.79]	1 / 7.38 0.14 [0.00 - 0.76]	34 / 45.25 0.75 [0.52 - 1.05]
10-14	1 / 4.58 0.22 [0.01 - 1.22]	0 / 0.11 0 [0.00 - 32.5]	10 / 5.81 1.72 [0.82 - 3.16]	0 / 0.94 0 [0.00 - 3.92]	9 / 10.82 0.83 [0.38 - 1.58]	4 / 3.60 1.11 [0.30 - 2.85]	5 / 5.15 0.97 [0.31 - 2.26]	29 / 31.01 0.94 [0.63 - 1.34]
15-19	5 / 5.32 0.94 [0.31 - 2.19]	0 / 0.13 0 [0.00 - 28.8]	3 / 6.70 0.45 [0.09 - 1.31]	1 / 0.99 1.01 [0.03 - 5.64]	10 / 12.53 0.8 [0.38 - 1.47]	8 / 4.24 1.89 [0.81 - 3.72]	7 / 6.15 1.14 [0.46 - 2.35]	34 / 36.05 0.94 [0.65 - 1.32]
20-24	12 / 5.28 2.27 [1.17 - 3.97]	0 / 0.14 0 [0.00 - 26.5]	5 / 6.75 0.74 [0.24 - 1.73]	0 / 0.73 0 [0.00 - 5.05]	13 / 13.36 0.97 [0.52 - 1.66]	4 / 4.22 0.95 [0.26 - 2.43]	4 / 7.21 0.55 [0.15 - 1.42]	38 / 37.69 1.01 [0.71 - 1.38]
25+	25 / 28.05 0.89 [0.58 - 1.32]	0 / 0.32 0 [0.00 - 11.6]	27 / 27.58 0.98 [0.65 - 1.42]	1 / 0.71 1.41 [0.04 - 7.88]	58 / 69.16 0.84 [0.64 - 1.08]	6 / 7.09 0.85 [0.31 - 1.84]	53 / 49.85 1.06 [0.80 - 1.39]	170 / 182.76 0.93 [0.80 - 1.08]
Total	51 / 49.33 1.03 [0.77 - 1.36]	0 / 0.87 0 [0.00 - 4.24]	53 / 55.46 0.96 [0.72 - 1.25]	3 / 4.88 0.61 [0.13 - 1.80]	102 / 121.64 0.84 [0.68 - 1.02]	26 / 24.85 1.05 [0.68 - 1.53]	70 / 75.74 0.92 [0.72 - 1.17]	305 / 332.77 0.92 [0.82 - 1.03]

Ischaemic heart disease (410-414)

employment in only one department								
years since first employment(years)	-1-	-2-	-3-	-4-	-5-	-6-	More than one department	Total
1-9	38 / 59.64 0.64 [0.45 - 0.87]	0 / 1.54 0 [0.00 - 2.39]	64 / 71.15 0.9 [0.69 - 1.15]	17 / 14.81 1.15 [0.67 - 1.84]	90 / 126.15 0.71 [0.57 - 0.88]	50 / 55.52 0.9 [0.67 - 1.19]	13 / 42.71 0.3 [0.16 - 0.52]	272 / 371.52 0.73 [0.65 - 0.82]
10-14	65 / 59.53 1.09 [0.84 - 1.39]	1 / 1.45 0.69 [0.02 - 3.83]	73 / 68.40 1.07 [0.84 - 1.34]	16 / 12.10 1.32 [0.76 - 2.15]	112 / 127.34 0.88 [0.72 - 1.06]	40 / 47.19 0.85 [0.61 - 1.15]	36 / 50.42 0.71 [0.50 - 0.99]	343 / 366.43 0.94 [0.84 - 1.04]
15-19	76 / 77.52 0.98 [0.77 - 1.23]	0 / 1.71 0 [0.00 - 2.15]	92 / 89.30 1.03 [0.83 - 1.26]	17 / 13.28 1.28 [0.75 - 2.05]	159 / 174.44 0.91 [0.78 - 1.06]	61 / 57.75 1.06 [0.81 - 1.36]	60 / 77.27 0.78 [0.59 - 1.00]	465 / 491.27 0.95 [0.86 - 1.04]
20-24	88 / 83.78 1.05 [0.84 - 1.29]	1 / 1.92 0.52 [0.01 - 2.90]	102 / 97.11 1.05 [0.86 - 1.28]	15 / 9.63 1.56 [0.87 - 2.57]	162 / 206.93 0.78 [0.67 - 0.91]	61 / 55.68 1.1 [0.84 - 1.41]	73 / 104.19 0.7 [0.55 - 0.88]	502 / 559.25 0.9 [0.82 - 0.98]
25+	485 / 484.44 1 [0.91 - 1.09]	3 / 4.82 0.62 [0.13 - 1.82]	498 / 455.29 1.09 [1.00 - 1.19]	10 / 9.33 1.07 [0.51 - 1.97]	1169 / 1196.91 0.98 [0.92 - 1.03]	84 / 90.67 0.93 [0.74 - 1.15]	848 / 890.02 0.95 [0.89 - 1.02]	3097 / 3131.47 0.99 [0.95 - 1.02]
Total	752 / 764.90 0.98 [0.91 - 1.06]	5 / 11.45 0.44 [0.14 - 1.02]	829 / 781.25 1.06 [0.99 - 1.14]	75 / 59.15 1.27 [1.00 - 1.59]	1692 / 1831.78 0.92 [0.88 - 0.97]	296 / 306.81 0.96 [0.86 - 1.08]	1030 / 1164.61 0.88 [0.83 - 0.94]	4679 / 4919.95 0.95 [0.92 - 0.98]

Table 2.7.4

Mortality from selected causes of death by employment in only one department and years since first employment

DIS. OF RESPIRATORY SYSTEM (460-519)

employment in only one department								
years since first employment(years)	-1-	-2-	-3-	-4-	-5-	-6-	More than one department	Total
1-9	4 / 8.38 0.48 [0.13 - 1.22]	0 / 0.27 0 [0.00 - 13.7]	7 / 13.64 0.51 [0.21 - 1.06]	1 / 2.75 0.36 [0.01 - 2.02]	13 / 23.34 0.56 [0.30 - 0.95]	9 / 10.51 0.86 [0.39 - 1.63]	3 / 8.27 0.36 [0.07 - 1.06]	37 / 67.16 0.55 [0.39 - 0.76]
10-14	8 / 8.99 0.89 [0.38 - 1.75]	1 / 0.28 3.61 [0.09 - 20.1]	8 / 12.83 0.62 [0.27 - 1.23]	4 / 2.44 1.64 [0.45 - 4.20]	12 / 21.93 0.55 [0.28 - 0.96]	8 / 9.79 0.82 [0.35 - 1.61]	7 / 8.25 0.85 [0.34 - 1.75]	48 / 64.51 0.74 [0.55 - 0.99]
15-19	12 / 13.07 0.92 [0.47 - 1.60]	1 / 0.36 2.76 [0.07 - 15.4]	21 / 18.44 1.14 [0.71 - 1.74]	5 / 3.06 1.64 [0.53 - 3.82]	21 / 31.42 0.67 [0.41 - 1.02]	13 / 13.27 0.98 [0.52 - 1.68]	8 / 12.38 0.65 [0.28 - 1.27]	81 / 91.99 0.88 [0.70 - 1.09]
20-24	16 / 16.06 1 [0.57 - 1.62]	0 / 0.48 0 [0.00 - 7.73]	16 / 21.87 0.73 [0.42 - 1.19]	2 / 2.45 0.82 [0.10 - 2.95]	40 / 40.60 0.99 [0.70 - 1.34]	15 / 14.57 1.03 [0.58 - 1.70]	13 / 17.64 0.74 [0.39 - 1.26]	102 / 113.67 0.9 [0.73 - 1.09]
25+	116 / 128.41 0.9 [0.75 - 1.08]	2 / 1.64 1.22 [0.15 - 4.40]	95 / 123.53 0.77 [0.62 - 0.94]	2 / 2.33 0.86 [0.10 - 3.10]	214 / 303.94 0.7 [0.61 - 0.81]	37 / 29.50 1.25 [0.88 - 1.73]	181 / 212.47 0.85 [0.73 - 0.99]	647 / 801.82 0.81 [0.75 - 0.87]
Total	156 / 174.91 0.89 [0.76 - 1.04]	4 / 3.03 1.32 [0.36 - 3.38]	147 / 190.31 0.77 [0.65 - 0.91]	14 / 13.03 1.07 [0.59 - 1.80]	300 / 421.24 0.71 [0.63 - 0.80]	82 / 77.62 1.06 [0.84 - 1.31]	212 / 259.01 0.82 [0.71 - 0.94]	915 / 1139.15 0.8 [0.75 - 0.86]

EXTERNAL CAUSES (E800-999)

employment in only one department								
years since first employment(years)	-1-	-2-	-3-	-4-	-5-	-6-	More than one department	Total
1-9	54 / 58.10 0.93 [0.70 - 1.21]	1 / 1.97 0.51 [0.01 - 2.83]	121 / 96.70 1.25 [1.04 - 1.50]	13 / 15.19 0.86 [0.46 - 1.46]	115 / 196.58 0.59 [0.48 - 0.70]	57 / 40.06 1.42 [1.08 - 1.84]	41 / 114.45 0.36 [0.26 - 0.49]	402 / 523.04 0.77 [0.70 - 0.85]
10-14	16 / 28.31 0.57 [0.32 - 0.92]	2 / 0.72 2.78 [0.34 - 10.0]	36 / 44.46 0.81 [0.57 - 1.12]	10 / 5.91 1.69 [0.81 - 3.11]	72 / 92.39 0.78 [0.61 - 0.98]	25 / 17.94 1.39 [0.90 - 2.06]	60 / 60.46 0.99 [0.76 - 1.28]	221 / 250.19 0.88 [0.77 - 1.01]
15-19	28 / 25.69 1.09 [0.72 - 1.58]	0 / 0.59 0 [0.00 - 6.23]	34 / 39.70 0.86 [0.59 - 1.20]	9 / 4.54 1.98 [0.91 - 3.76]	70 / 83.31 0.84 [0.65 - 1.06]	21 / 16.70 1.26 [0.78 - 1.92]	53 / 57.08 0.93 [0.70 - 1.21]	215 / 227.62 0.94 [0.82 - 1.08]
20-24	22 / 21.09 1.04 [0.65 - 1.58]	0 / 0.51 0 [0.00 - 7.29]	34 / 32.45 1.05 [0.73 - 1.46]	1 / 2.82 0.35 [0.01 - 1.98]	64 / 70.15 0.91 [0.70 - 1.17]	24 / 13.64 1.76 [1.13 - 2.62]	47 / 52.08 0.9 [0.66 - 1.20]	192 / 192.74 1 [0.86 - 1.15]
25+	68 / 70.77 0.96 [0.75 - 1.22]	1 / 0.94 1.06 [0.03 - 5.93]	70 / 80.98 0.86 [0.67 - 1.09]	2 / 2.51 0.8 [0.10 - 2.88]	149 / 201.74 0.74 [0.62 - 0.87]	13 / 17.83 0.73 [0.39 - 1.25]	155 / 165.82 0.93 [0.79 - 1.09]	458 / 540.60 0.85 [0.77 - 0.93]
Total	188 / 203.96 0.92 [0.79 - 1.06]	4 / 4.73 0.85 [0.23 - 2.17]	295 / 294.29 1 [0.89 - 1.12]	35 / 30.98 1.13 [0.79 - 1.57]	470 / 644.17 0.73 [0.67 - 0.80]	140 / 106.17 1.32 [1.11 - 1.56]	356 / 449.88 0.79 [0.71 - 0.88]	1488 / 1734.18 0.86 [0.81 - 0.90]

Table 2.7.4

Mortality from selected causes of death by employment in only one department and years since first employment

TOTAL COHORT Excluding Brazil,South Africa
Women

ALL CAUSES

employment in only one department

years since first employment(years)	-1-	-2-	-3-	-4-	-5-	-6-	More than one department	Total
1-9	5 / 10.34 0.48 [0.16 - 1.13]	1 / 0.22 4.48 [0.11 - 24.9]	32 / 49.86 0.64 [0.44 - 0.91]	11 / 15.81 0.7 [0.35 - 1.25]	45 / 66.36 0.68 [0.49 - 0.91]	11 / 14.55 0.76 [0.38 - 1.35]	10 / 27.78 0.36 [0.17 - 0.66]	115 / 184.91 0.62 [0.51 - 0.75]
10-14	4 / 9.26 0.43 [0.12 - 1.11]	0 / 0.12 0 [0.00 - 30.6]	38 / 41.63 0.91 [0.65 - 1.25]	10 / 10.45 0.96 [0.46 - 1.76]	23 / 48.85 0.47 [0.30 - 0.71]	12 / 11.24 1.07 [0.55 - 1.86]	15 / 22.54 0.67 [0.37 - 1.10]	102 / 144.09 0.71 [0.58 - 0.86]
15-19	8 / 13.43 0.6 [0.26 - 1.17]	0 / 0.08 0 [0.00 - 48.1]	66 / 55.65 1.19 [0.92 - 1.51]	7 / 10.92 0.64 [0.26 - 1.32]	44 / 61.74 0.71 [0.52 - 0.96]	12 / 15.22 0.79 [0.41 - 1.38]	21 / 28.86 0.73 [0.45 - 1.11]	158 / 185.89 0.85 [0.72 - 0.99]
20-24	15 / 16.91 0.89 [0.50 - 1.46]	0 / 0.00 . [. - .]	62 / 65.50 0.95 [0.73 - 1.21]	11 / 9.45 1.16 [0.58 - 2.08]	55 / 64.37 0.85 [0.64 - 1.11]	30 / 18.41 1.63 [1.10 - 2.33]	18 / 31.03 0.58 [0.34 - 0.92]	191 / 205.67 0.93 [0.80 - 1.07]
25+	144 / 163.72 0.88 [0.74 - 1.04]	0 / 0.00 . [. - .]	489 / 451.49 1.08 [0.99 - 1.18]	23 / 27.84 0.83 [0.52 - 1.24]	194 / 239.68 0.81 [0.70 - 0.93]	17 / 22.87 0.74 [0.43 - 1.19]	271 / 300.06 0.9 [0.80 - 1.02]	1138 / 1205.66 0.94 [0.89 - 1.00]
Total	176 / 213.65 0.82 [0.71 - 0.95]	1 / 0.42 2.38 [0.06 - 13.2]	687 / 664.13 1.03 [0.96 - 1.11]	62 / 74.47 0.83 [0.64 - 1.07]	361 / 481.00 0.75 [0.68 - 0.83]	82 / 82.29 1 [0.79 - 1.24]	335 / 410.26 0.82 [0.73 - 0.91]	1704 / 1926.22 0.88 [0.84 - 0.93]

ALL MALIGNANT NEOPLASMS (140-208)

employment in only one department

years since first employment(years)	-1-	-2-	-3-	-4-	-5-	-6-	More than one department	Total
1-9	1 / 3.41 0.29 [0.01 - 1.63]	1 / 0.07 13.4 [0.33 - 74.6]	15 / 17.07 0.88 [0.49 - 1.45]	4 / 5.51 0.73 [0.20 - 1.86]	14 / 23.71 0.59 [0.32 - 0.99]	6 / 5.70 1.05 [0.39 - 2.29]	2 / 8.28 0.24 [0.03 - 0.87]	43 / 63.76 0.67 [0.49 - 0.91]
10-14	1 / 3.20 0.31 [0.01 - 1.74]	0 / 0.04 0 [0.00 - 85.8]	19 / 15.43 1.23 [0.74 - 1.92]	7 / 4.15 1.69 [0.68 - 3.48]	10 / 18.36 0.54 [0.26 - 1.00]	7 / 4.26 1.64 [0.66 - 3.38]	9 / 7.85 1.15 [0.52 - 2.18]	53 / 53.29 0.99 [0.75 - 1.30]
15-19	3 / 4.48 0.67 [0.14 - 1.96]	0 / 0.03 0 [0.00 - 0140]	28 / 20.46 1.37 [0.91 - 1.98]	2 / 4.40 0.45 [0.06 - 1.64]	20 / 21.90 0.91 [0.56 - 1.41]	3 / 5.33 0.56 [0.12 - 1.65]	8 / 10.30 0.78 [0.34 - 1.53]	64 / 66.88 0.96 [0.74 - 1.22]
20-24	6 / 5.17 1.16 [0.43 - 2.53]	0 / 0.00 . [. - .]	20 / 23.56 0.85 [0.52 - 1.31]	4 / 3.71 1.08 [0.29 - 2.76]	20 / 20.96 0.95 [0.58 - 1.47]	11 / 5.90 1.87 [0.93 - 3.34]	6 / 10.83 0.55 [0.20 - 1.21]	67 / 70.11 0.96 [0.74 - 1.21]
25+	34 / 33.67 1.01 [0.70 - 1.41]	0 / 0.00 . [. - .]	137 / 128.79 1.06 [0.89 - 1.26]	7 / 7.98 0.88 [0.35 - 1.81]	59 / 57.81 1.02 [0.78 - 1.32]	6 / 6.74 0.89 [0.33 - 1.94]	60 / 69.22 0.87 [0.66 - 1.12]	303 / 304.21 1 [0.89 - 1.11]
Total	45 / 49.93 0.9 [0.66 - 1.21]	1 / 0.14 6.94 [0.17 - 38.7]	219 / 205.30 1.07 [0.93 - 1.22]	24 / 25.74 0.93 [0.60 - 1.39]	123 / 142.73 0.86 [0.72 - 1.03]	33 / 27.92 1.18 [0.81 - 1.66]	85 / 106.48 0.8 [0.64 - 0.99]	530 / 558.25 0.95 [0.87 - 1.03]

Table 2.7.4

Mortality from selected causes of death by employment in only one department and years since first employment

Stomach (151)

employment in only one department								
years since first employment(years)	-1-	-2-	-3-	-4-	-5-	-6-	More than one department	Total
1-9	0 / 0.35 0 [0.00 - 10.6]	0 / 0.00 0 [0.00 - 1049]	1 / 1.08 0.93 [0.02 - 5.17]	0 / 0.25 0 [0.00 - 14.7]	0 / 1.63 0 [0.00 - 2.26]	0 / 0.26 0 [0.00 - 14.1]	1 / 0.66 1.51 [0.04 - 8.40]	2 / 4.24 0.47 [0.06 - 1.71]
10-14	0 / 0.32 0 [0.00 - 11.4]	0 / 0.00 0 [0.00 - 1619]	2 / 0.96 2.08 [0.25 - 7.51]	0 / 0.19 0 [0.00 - 19.1]	0 / 1.26 0 [0.00 - 2.92]	0 / 0.20 0 [0.00 - 18.6]	1 / 0.62 1.6 [0.04 - 8.93]	3 / 3.57 0.84 [0.17 - 2.46]
15-19	0 / 0.47 0 [0.00 - 7.88]	0 / 0.00 0 [0.00 - 2368]	1 / 1.20 0.83 [0.02 - 4.64]	0 / 0.20 0 [0.00 - 18.6]	0 / 1.48 0 [0.00 - 2.49]	0 / 0.23 0 [0.00 - 16.3]	1 / 0.80 1.24 [0.03 - 6.93]	2 / 4.38 0.46 [0.06 - 1.65]
20-24	2 / 0.56 3.56 [0.43 - 12.9]	0 / 0.00 . [. - .]	0 / 1.35 0 [0.00 - 2.72]	0 / 0.16 0 [0.00 - 22.6]	0 / 1.44 0 [0.00 - 2.57]	0 / 0.23 0 [0.00 - 15.9]	1 / 0.87 1.15 [0.03 - 6.41]	3 / 4.62 0.65 [0.13 - 1.90]
25+	4 / 3.58 1.12 [0.30 - 2.86]	0 / 0.00 . [. - .]	11 / 8.44 1.3 [0.65 - 2.33]	0 / 0.42 0 [0.00 - 8.73]	3 / 4.33 0.69 [0.14 - 2.02]	0 / 0.29 0 [0.00 - 12.7]	4 / 5.99 0.67 [0.18 - 1.71]	22 / 23.07 0.95 [0.60 - 1.44]
Total	6 / 5.29 1.13 [0.42 - 2.47]	0 / 0.01 0 [0.00 - 0502]	15 / 13.04 1.15 [0.64 - 1.90]	0 / 1.23 0 [0.00 - 3.00]	3 / 10.14 0.3 [0.06 - 0.86]	0 / 1.21 0 [0.00 - 3.05]	8 / 8.95 0.89 [0.39 - 1.76]	32 / 39.87 0.8 [0.55 - 1.13]

Lung (162)

employment in only one department								
years since first employment(years)	-1-	-2-	-3-	-4-	-5-	-6-	More than one department	Total
1-9	0 / 0.14 0 [0.00 - 26.0]	0 / 0.01 0 [0.00 - 0451]	2 / 1.32 1.51 [0.18 - 5.46]	0 / 0.46 0 [0.00 - 8.10]	0 / 1.51 0 [0.00 - 2.44]	1 / 0.47 2.14 [0.05 - 11.9]	0 / 0.40 0 [0.00 - 9.17]	3 / 4.31 0.7 [0.14 - 2.03]
10-14	0 / 0.17 0 [0.00 - 21.7]	0 / 0.00 0 [0.00 - 0825]	0 / 1.50 0 [0.00 - 2.45]	1 / 0.39 2.56 [0.06 - 14.3]	1 / 1.41 0.71 [0.02 - 3.95]	0 / 0.47 0 [0.00 - 7.91]	0 / 0.49 0 [0.00 - 7.45]	2 / 4.44 0.45 [0.05 - 1.63]
15-19	0 / 0.27 0 [0.00 - 13.8]	0 / 0.00 0 [0.00 - 1875]	3 / 2.25 1.33 [0.27 - 3.89]	0 / 0.44 0 [0.00 - 8.46]	0 / 1.85 0 [0.00 - 1.99]	1 / 0.69 1.46 [0.04 - 8.12]	1 / 0.73 1.36 [0.03 - 7.59]	5 / 6.23 0.8 [0.26 - 1.87]
20-24	0 / 0.31 0 [0.00 - 11.8]	0 / 0.00 . [. - .]	7 / 2.68 2.61 [1.05 - 5.38]	0 / 0.41 0 [0.00 - 9.05]	3 / 1.85 1.62 [0.33 - 4.74]	3 / 0.86 3.5 [0.72 - 10.2]	0 / 0.84 0 [0.00 - 4.41]	13 / 6.95 1.87 [1.00 - 3.20]
25+	3 / 2.24 1.34 [0.28 - 3.92]	0 / 0.00 . [. - .]	21 / 14.99 1.4 [0.87 - 2.14]	1 / 0.64 1.55 [0.04 - 8.65]	8 / 4.73 1.69 [0.73 - 3.33]	1 / 0.84 1.18 [0.03 - 6.60]	9 / 5.47 1.65 [0.75 - 3.12]	43 / 28.91 1.49 [1.08 - 2.00]
Total	3 / 3.13 0.96 [0.20 - 2.80]	0 / 0.01 0 [0.00 - 0252]	33 / 22.75 1.45 [1.00 - 2.04]	2 / 2.33 0.86 [0.10 - 3.09]	12 / 11.36 1.06 [0.55 - 1.85]	6 / 3.32 1.81 [0.66 - 3.93]	10 / 7.94 1.26 [0.60 - 2.32]	66 / 50.84 1.3 [1.00 - 1.65]

Table 2.7.4

Mortality from selected causes of death by employment in only one department and years since first employment

Lymphatic & heamatopoietic tissue (200-208)

employment in only one department								
years since first employment(years)	-1-	-2-	-3-	-4-	-5-	-6-	More than one department	Total
1-9	0 / 0.32 0 [0.00 - 11.6]	0 / 0.01 0 [0.00 - 0493]	4 / 1.78 2.25 [0.61 - 5.75]	0 / 0.56 0 [0.00 - 6.62]	0 / 2.26 0 [0.00 - 1.63]	0 / 0.42 0 [0.00 - 8.81]	0 / 0.96 0 [0.00 - 3.86]	4 / 6.30 0.64 [0.17 - 1.63]
10-14	0 / 0.25 0 [0.00 - 14.9]	0 / 0.00 0 [0.00 - 1132]	2 / 1.23 1.63 [0.20 - 5.87]	1 / 0.31 3.18 [0.08 - 17.7]	0 / 1.43 0 [0.00 - 2.58]	1 / 0.27 3.65 [0.09 - 20.3]	2 / 0.65 3.06 [0.37 - 11.1]	6 / 4.15 1.44 [0.53 - 3.14]
15-19	0 / 0.33 0 [0.00 - 11.2]	0 / 0.00 0 [0.00 - 2021]	1 / 1.45 0.69 [0.02 - 3.85]	0 / 0.31 0 [0.00 - 12.1]	1 / 1.63 0.61 [0.02 - 3.42]	0 / 0.33 0 [0.00 - 11.3]	0 / 0.77 0 [0.00 - 4.82]	2 / 4.81 0.42 [0.05 - 1.50]
20-24	1 / 0.39 2.56 [0.06 - 14.2]	0 / 0.00 . [. - .]	2 / 1.57 1.28 [0.15 - 4.62]	1 / 0.26 3.85 [0.10 - 21.4]	0 / 1.58 0 [0.00 - 2.34]	2 / 0.38 5.27 [0.64 - 19.0]	0 / 0.81 0 [0.00 - 4.57]	6 / 4.98 1.2 [0.44 - 2.62]
25+	0 / 2.85 0 [0.00 - 1.29]	0 / 0.00 . [. - .]	9 / 8.87 1.02 [0.46 - 1.93]	0 / 0.62 0 [0.00 - 5.97]	4 / 4.84 0.83 [0.23 - 2.12]	1 / 0.46 2.17 [0.05 - 12.1]	3 / 5.65 0.53 [0.11 - 1.55]	17 / 23.28 0.73 [0.43 - 1.17]
Total	1 / 4.14 0.24 [0.01 - 1.35]	0 / 0.01 0 [0.00 - 0294]	18 / 14.89 1.21 [0.72 - 1.91]	2 / 2.05 0.97 [0.12 - 3.52]	5 / 11.73 0.43 [0.14 - 0.99]	4 / 1.86 2.15 [0.59 - 5.51]	5 / 8.83 0.57 [0.18 - 1.32]	35 / 43.51 0.8 [0.56 - 1.12]

Ischaemic heart disease (410-414)

employment in only one department								
years since first employment(years)	-1-	-2-	-3-	-4-	-5-	-6-	More than one department	Total
1-9	1 / 0.86 1.16 [0.03 - 6.44]	0 / 0.01 0 [0.00 - 0329]	5 / 4.32 1.16 [0.38 - 2.70]	2 / 0.96 2.08 [0.25 - 7.52]	3 / 5.86 0.51 [0.11 - 1.50]	1 / 1.77 0.57 [0.01 - 3.15]	1 / 1.65 0.61 [0.02 - 3.38]	13 / 15.43 0.84 [0.45 - 1.44]
10-14	2 / 1.13 1.77 [0.21 - 6.39]	0 / 0.01 0 [0.00 - 0413]	4 / 5.43 0.74 [0.20 - 1.89]	0 / 1.02 0 [0.00 - 3.60]	3 / 6.46 0.46 [0.10 - 1.36]	0 / 1.91 0 [0.00 - 1.93]	0 / 2.13 0 [0.00 - 1.73]	9 / 18.10 0.5 [0.23 - 0.94]
15-19	1 / 2.07 0.48 [0.01 - 2.69]	0 / 0.01 0 [0.00 - 0584]	15 / 8.73 1.72 [0.96 - 2.83]	1 / 1.43 0.7 [0.02 - 3.90]	5 / 10.21 0.49 [0.16 - 1.14]	2 / 2.97 0.67 [0.08 - 2.43]	1 / 3.70 0.27 [0.01 - 1.51]	25 / 29.12 0.86 [0.56 - 1.27]
20-24	1 / 3.11 0.32 [0.01 - 1.79]	0 / 0.00 . [. - .]	9 / 11.17 0.81 [0.37 - 1.53]	4 / 1.59 2.51 [0.68 - 6.43]	13 / 12.45 1.04 [0.56 - 1.79]	4 / 3.84 1.04 [0.28 - 2.67]	2 / 5.33 0.38 [0.05 - 1.36]	33 / 37.48 0.88 [0.61 - 1.24]
25+	37 / 34.94 1.06 [0.75 - 1.46]	0 / 0.00 . [. - .]	115 / 99.92 1.15 [0.95 - 1.38]	6 / 5.44 1.1 [0.40 - 2.40]	38 / 55.58 0.68 [0.48 - 0.94]	2 / 4.26 0.47 [0.06 - 1.70]	88 / 78.67 1.12 [0.90 - 1.38]	286 / 278.82 1.03 [0.91 - 1.15]
Total	42 / 42.12 1 [0.72 - 1.35]	0 / 0.03 0 [0.00 - 0139]	148 / 129.58 1.14 [0.97 - 1.34]	13 / 10.45 1.24 [0.66 - 2.13]	62 / 90.57 0.68 [0.52 - 0.88]	9 / 14.74 0.61 [0.28 - 1.16]	92 / 91.47 1.01 [0.81 - 1.23]	366 / 378.95 0.97 [0.87 - 1.07]

Table 2.7.4

Mortality from selected causes of death by employment in only one department and years since first employment

DIS. OF RESPIRATORY SYSTEM (460-519)

employment in only one department								
years since first employment(years)	-1-	-2-	-3-	-4-	-5-	-6-	More than one department	Total
1-9	2 / 0.35 5.79 [0.70 - 20.9]	0 / 0.01 0 [0.00 - 0387]	1 / 2.22 0.45 [0.01 - 2.51]	0 / 0.60 0 [0.00 - 6.15]	0 / 2.60 0 [0.00 - 1.42]	0 / 0.52 0 [0.00 - 7.12]	0 / 0.97 0 [0.00 - 3.80]	3 / 7.27 0.41 [0.09 - 1.21]
10-14	0 / 0.34 0 [0.00 - 10.9]	0 / 0.01 0 [0.00 - 0727]	0 / 1.98 0 [0.00 - 1.87]	0 / 0.42 0 [0.00 - 8.79]	1 / 2.06 0.49 [0.01 - 2.71]	1 / 0.54 1.86 [0.05 - 10.3]	1 / 0.76 1.32 [0.03 - 7.34]	3 / 6.10 0.49 [0.10 - 1.44]
15-19	0 / 0.53 0 [0.00 - 6.99]	0 / 0.00 0 [0.00 - 1717]	5 / 2.99 1.67 [0.54 - 3.90]	0 / 0.47 0 [0.00 - 7.79]	3 / 3.10 0.97 [0.20 - 2.83]	2 / 0.85 2.35 [0.28 - 8.50]	2 / 0.98 2.04 [0.25 - 7.38]	12 / 8.92 1.34 [0.69 - 2.35]
20-24	0 / 0.75 0 [0.00 - 4.93]	0 / 0.00 . [. - .]	5 / 3.85 1.3 [0.42 - 3.03]	0 / 0.48 0 [0.00 - 7.66]	3 / 3.68 0.81 [0.17 - 2.38]	1 / 1.14 0.88 [0.02 - 4.88]	2 / 1.18 1.7 [0.21 - 6.13]	11 / 11.09 0.99 [0.50 - 1.78]
25+	5 / 10.75 0.47 [0.15 - 1.09]	0 / 0.00 . [. - .]	41 / 34.51 1.19 [0.85 - 1.61]	1 / 1.61 0.62 [0.02 - 3.46]	14 / 18.41 0.76 [0.42 - 1.28]	0 / 1.46 0 [0.00 - 2.53]	16 / 19.09 0.84 [0.48 - 1.36]	77 / 85.83 0.9 [0.71 - 1.12]
Total	7 / 12.71 0.55 [0.22 - 1.14]	0 / 0.02 0 [0.00 - 0220]	52 / 45.56 1.14 [0.85 - 1.50]	1 / 3.59 0.28 [0.01 - 1.55]	21 / 29.85 0.7 [0.44 - 1.08]	4 / 4.51 0.89 [0.24 - 2.27]	21 / 22.98 0.91 [0.57 - 1.40]	106 / 119.20 0.89 [0.73 - 1.08]

EXTERNAL CAUSES (E800-999)

employment in only one department								
years since first employment(years)	-1-	-2-	-3-	-4-	-5-	-6-	More than one department	Total
1-9	0 / 1.27 0 [0.00 - 2.90]	0 / 0.05 0 [0.00 - 81.8]	5 / 7.72 0.65 [0.21 - 1.51]	2 / 3.32 0.6 [0.07 - 2.18]	11 / 10.25 1.07 [0.54 - 1.92]	1 / 2.07 0.48 [0.01 - 2.69]	1 / 5.46 0.18 [0.00 - 1.02]	20 / 30.13 0.66 [0.41 - 1.03]
10-14	0 / 0.74 0 [0.00 - 4.96]	0 / 0.02 0 [0.00 - 0230]	3 / 4.45 0.67 [0.14 - 1.97]	0 / 1.39 0 [0.00 - 2.65]	3 / 4.80 0.63 [0.13 - 1.83]	2 / 1.07 1.86 [0.23 - 6.73]	2 / 3.06 0.65 [0.08 - 2.36]	10 / 15.53 0.64 [0.31 - 1.18]
15-19	1 / 0.81 1.24 [0.03 - 6.90]	0 / 0.01 0 [0.00 - 0398]	4 / 4.76 0.84 [0.23 - 2.15]	0 / 1.05 0 [0.00 - 3.50]	4 / 4.58 0.87 [0.24 - 2.24]	1 / 1.15 0.87 [0.02 - 4.86]	3 / 3.06 0.98 [0.20 - 2.87]	13 / 15.41 0.84 [0.45 - 1.44]
20-24	1 / 0.78 1.28 [0.03 - 7.14]	0 / 0.00 . [. - .]	7 / 4.87 1.44 [0.58 - 2.96]	0 / 0.63 0 [0.00 - 5.83]	0 / 3.73 0 [0.00 - 0.99]	4 / 1.15 3.47 [0.95 - 8.89]	3 / 2.59 1.16 [0.24 - 3.38]	15 / 13.76 1.09 [0.61 - 1.80]
25+	2 / 5.67 0.35 [0.04 - 1.27]	0 / 0.00 . [. - .]	16 / 19.93 0.8 [0.46 - 1.30]	1 / 1.36 0.73 [0.02 - 4.09]	13 / 9.64 1.35 [0.72 - 2.30]	0 / 1.19 0 [0.00 - 3.10]	10 / 12.35 0.81 [0.39 - 1.49]	42 / 50.14 0.84 [0.60 - 1.13]
Total	4 / 9.27 0.43 [0.12 - 1.10]	0 / 0.07 0 [0.00 - 52.4]	35 / 41.73 0.84 [0.58 - 1.17]	3 / 7.76 0.39 [0.08 - 1.13]	31 / 32.99 0.94 [0.64 - 1.33]	8 / 6.63 1.21 [0.52 - 2.38]	19 / 26.51 0.72 [0.43 - 1.12]	100 / 124.97 0.8 [0.65 - 0.97]

Table 2.8.1

Mortality from selected causes of death by employment in only one department and duration of employment

TOTAL COHORT

ALL CAUSES

employment in only one department								
duration of employment(years)	-1-	-2-	-3-	-4-	-5-	-6-	More than one department	Total
1-4	514 / 482.64 1.06 [0.97 - 1.16]	13 / 13.81 0.94 [0.50 - 1.61]	849 / 808.07 1.05 [0.98 - 1.12]	117 / 107.69 1.09 [0.90 - 1.30]	1100 / 1337.27 0.82 [0.77 - 0.87]	626 / 490.88 1.28 [1.18 - 1.38]	218 / 320.50 0.68 [0.59 - 0.78]	3437 / 3560.86 0.97 [0.93 - 1.00]
5-9	382 / 403.18 0.95 [0.85 - 1.05]	2 / 6.72 0.3 [0.04 - 1.08]	547 / 532.20 1.03 [0.94 - 1.12]	87 / 81.93 1.06 [0.85 - 1.31]	823 / 964.48 0.85 [0.80 - 0.91]	345 / 270.02 1.28 [1.15 - 1.42]	307 / 402.65 0.76 [0.68 - 0.85]	2493 / 2661.18 0.94 [0.90 - 0.97]
10-14	263 / 304.77 0.86 [0.76 - 0.97]	4 / 6.30 0.64 [0.17 - 1.63]	384 / 382.27 1 [0.91 - 1.11]	42 / 45.61 0.92 [0.66 - 1.24]	716 / 842.25 0.85 [0.79 - 0.91]	171 / 162.44 1.05 [0.90 - 1.22]	399 / 421.35 0.95 [0.86 - 1.04]	1979 / 2164.98 0.91 [0.87 - 0.96]
15-19	332 / 351.12 0.95 [0.85 - 1.05]	4 / 4.29 0.93 [0.25 - 2.39]	353 / 369.71 0.95 [0.86 - 1.06]	20 / 19.56 1.02 [0.62 - 1.58]	658 / 821.82 0.8 [0.74 - 0.86]	99 / 118.34 0.84 [0.68 - 1.02]	406 / 509.98 0.8 [0.72 - 0.88]	1872 / 2194.83 0.85 [0.81 - 0.89]
20-24	279 / 257.08 1.09 [0.96 - 1.22]	2 / 3.27 0.61 [0.07 - 2.21]	276 / 299.17 0.92 [0.82 - 1.04]	8 / 13.15 0.61 [0.26 - 1.20]	579 / 718.83 0.81 [0.74 - 0.87]	56 / 70.51 0.79 [0.60 - 1.03]	439 / 548.84 0.8 [0.73 - 0.88]	1639 / 1910.84 0.86 [0.82 - 0.90]
25-29	228 / 246.73 0.92 [0.81 - 1.05]	2 / 1.65 1.21 [0.15 - 4.39]	234 / 243.97 0.96 [0.84 - 1.09]	9 / 10.17 0.88 [0.40 - 1.68]	554 / 629.59 0.88 [0.81 - 0.96]	42 / 56.81 0.74 [0.53 - 1.00]	472 / 540.64 0.87 [0.80 - 0.96]	1541 / 1729.56 0.89 [0.85 - 0.94]
> 30	666 / 704.33 0.95 [0.88 - 1.02]	4 / 7.49 0.53 [0.15 - 1.37]	769 / 825.76 0.93 [0.87 - 1.00]	22 / 25.26 0.87 [0.55 - 1.32]	1533 / 1690.94 0.91 [0.86 - 0.95]	107 / 108.87 0.98 [0.81 - 1.19]	1554 / 1666.63 0.93 [0.89 - 0.98]	4655 / 5029.27 0.93 [0.90 - 0.95]
Total	2664 / 2749.86 0.97 [0.93 - 1.01]	31 / 43.52 0.71 [0.48 - 1.01]	3412 / 3461.15 0.99 [0.95 - 1.02]	305 / 303.37 1.01 [0.90 - 1.12]	5963 / 7005.17 0.85 [0.83 - 0.87]	1446 / 1277.87 1.13 [1.07 - 1.19]	3795 / 4410.59 0.86 [0.83 - 0.89]	17616 / 19251.52 0.92 [0.90 - 0.93]

ALL MALIGNANT NEOPLASMS (140-208)

employment in only one department								
duration of employment(years)	-1-	-2-	-3-	-4-	-5-	-6-	More than one department	Total
1-4	116 / 106.97 1.08 [0.90 - 1.30]	3 / 3.51 0.86 [0.18 - 2.50]	211 / 210.45 1 [0.87 - 1.15]	35 / 29.07 1.2 [0.84 - 1.67]	260 / 279.62 0.93 [0.82 - 1.05]	151 / 132.98 1.14 [0.96 - 1.33]	51 / 64.01 0.8 [0.59 - 1.05]	827 / 826.61 1 [0.93 - 1.07]
5-9	88 / 92.42 0.95 [0.76 - 1.17]	0 / 1.60 0 [0.00 - 2.31]	154 / 138.27 1.11 [0.94 - 1.30]	20 / 23.35 0.86 [0.52 - 1.32]	194 / 216.01 0.9 [0.78 - 1.03]	98 / 74.42 1.32 [1.07 - 1.60]	57 / 86.48 0.66 [0.50 - 0.85]	611 / 632.55 0.97 [0.89 - 1.05]
10-14	67 / 70.19 0.95 [0.74 - 1.21]	2 / 1.53 1.31 [0.16 - 4.73]	92 / 99.89 0.92 [0.74 - 1.13]	10 / 13.72 0.73 [0.35 - 1.34]	187 / 195.00 0.96 [0.83 - 1.11]	58 / 48.91 1.19 [0.90 - 1.53]	99 / 95.88 1.03 [0.84 - 1.26]	515 / 525.10 0.98 [0.90 - 1.07]
15-19	80 / 77.82 1.03 [0.82 - 1.28]	2 / 1.16 1.73 [0.21 - 6.23]	95 / 92.91 1.02 [0.83 - 1.25]	5 / 6.08 0.82 [0.27 - 1.92]	147 / 190.89 0.77 [0.65 - 0.91]	34 / 34.60 0.98 [0.68 - 1.37]	108 / 117.00 0.92 [0.76 - 1.11]	471 / 520.47 0.9 [0.83 - 0.99]
20-24	55 / 59.42 0.93 [0.70 - 1.20]	1 / 0.82 1.22 [0.03 - 6.81]	78 / 76.90 1.01 [0.80 - 1.27]	3 / 3.97 0.76 [0.16 - 2.21]	153 / 168.93 0.91 [0.77 - 1.06]	20 / 22.53 0.89 [0.54 - 1.37]	99 / 129.32 0.77 [0.62 - 0.93]	409 / 461.87 0.89 [0.80 - 0.98]
25-29	45 / 57.46 0.78 [0.57 - 1.05]	0 / 0.46 0 [0.00 - 7.97]	60 / 64.84 0.93 [0.71 - 1.19]	2 / 3.17 0.63 [0.08 - 2.28]	140 / 154.02 0.91 [0.76 - 1.07]	15 / 17.72 0.85 [0.47 - 1.40]	106 / 134.73 0.79 [0.64 - 0.95]	368 / 432.40 0.85 [0.77 - 0.94]
> 30	162 / 160.65 1.01 [0.86 - 1.18]	2 / 1.99 1 [0.12 - 3.63]	173 / 208.91 0.83 [0.71 - 0.96]	10 / 7.29 1.37 [0.66 - 2.52]	370 / 411.40 0.9 [0.81 - 1.00]	30 / 29.20 1.03 [0.69 - 1.47]	365 / 409.54 0.89 [0.80 - 0.99]	1112 / 1228.98 0.9 [0.85 - 0.96]
Total	613 / 624.94 0.98 [0.90 - 1.06]	10 / 11.07 0.9 [0.43 - 1.66]	863 / 892.17 0.97 [0.90 - 1.03]	85 / 86.64 0.98 [0.78 - 1.21]	1451 / 1615.86 0.9 [0.85 - 0.95]	406 / 360.35 1.13 [1.02 - 1.24]	885 / 1036.96 0.85 [0.80 - 0.91]	4313 / 4627.99 0.93 [0.90 - 0.96]

Table 2.8.1

Mortality from selected causes of death by employment in only one department and duration of employment

Stomach (151)

employment in only one department								
duration of employment(years)	-1-	-2-	-3-	-4-	-5-	-6-	More than one department	Total
1-4	13 / 11.08 1.17 [0.62 - 2.01]	1 / 0.23 4.28 [0.11 - 23.9]	10 / 14.91 0.67 [0.32 - 1.23]	1 / 1.56 0.64 [0.02 - 3.56]	19 / 28.34 0.67 [0.40 - 1.05]	4 / 9.15 0.44 [0.12 - 1.12]	6 / 5.55 1.08 [0.40 - 2.35]	54 / 70.82 0.76 [0.57 - 0.99]
5-9	12 / 10.36 1.16 [0.60 - 2.02]	0 / 0.11 0 [0.00 - 33.4]	7 / 11.10 0.63 [0.25 - 1.30]	1 / 1.36 0.74 [0.02 - 4.10]	14 / 23.15 0.6 [0.33 - 1.01]	2 / 5.31 0.38 [0.05 - 1.36]	4 / 8.16 0.49 [0.13 - 1.26]	40 / 59.55 0.67 [0.48 - 0.91]
10-14	10 / 8.07 1.24 [0.59 - 2.28]	0 / 0.14 0 [0.00 - 27.3]	3 / 8.38 0.36 [0.07 - 1.05]	0 / 0.72 0 [0.00 - 5.14]	16 / 21.14 0.76 [0.43 - 1.23]	4 / 3.59 1.11 [0.30 - 2.85]	7 / 9.58 0.73 [0.29 - 1.50]	40 / 51.62 0.77 [0.55 - 1.06]
15-19	7 / 9.55 0.73 [0.29 - 1.51]	1 / 0.13 7.62 [0.19 - 42.5]	11 / 8.91 1.23 [0.62 - 2.21]	0 / 0.31 0 [0.00 - 11.7]	7 / 21.04 0.33 [0.13 - 0.69]	3 / 3.21 0.93 [0.19 - 2.73]	15 / 12.16 1.23 [0.69 - 2.03]	44 / 55.32 0.8 [0.58 - 1.07]
20-24	6 / 7.16 0.84 [0.31 - 1.82]	0 / 0.11 0 [0.00 - 33.3]	10 / 7.30 1.37 [0.66 - 2.52]	0 / 0.22 0 [0.00 - 17.1]	23 / 18.42 1.25 [0.79 - 1.87]	1 / 1.88 0.53 [0.01 - 2.96]	10 / 13.13 0.76 [0.37 - 1.40]	50 / 48.22 1.04 [0.77 - 1.37]
25-29	6 / 7.11 0.84 [0.31 - 1.84]	0 / 0.08 0 [0.00 - 43.8]	5 / 6.36 0.79 [0.26 - 1.83]	0 / 0.19 0 [0.00 - 19.6]	16 / 16.95 0.94 [0.54 - 1.53]	0 / 1.71 0 [0.00 - 2.16]	8 / 13.05 0.61 [0.26 - 1.21]	35 / 45.45 0.77 [0.54 - 1.07]
> 30	22 / 20.15 1.09 [0.68 - 1.65]	1 / 0.22 4.46 [0.11 - 24.8]	21 / 21.25 0.99 [0.61 - 1.51]	0 / 0.46 0 [0.00 - 8.05]	35 / 45.74 0.77 [0.53 - 1.06]	5 / 3.20 1.56 [0.51 - 3.65]	33 / 38.09 0.87 [0.60 - 1.22]	117 / 129.10 0.91 [0.75 - 1.09]
Total	76 / 73.49 1.03 [0.81 - 1.29]	3 / 1.03 2.91 [0.60 - 8.52]	67 / 78.21 0.86 [0.66 - 1.09]	2 / 4.82 0.42 [0.05 - 1.50]	130 / 174.78 0.74 [0.62 - 0.88]	19 / 28.04 0.68 [0.41 - 1.06]	83 / 99.72 0.83 [0.66 - 1.03]	380 / 460.08 0.83 [0.74 - 0.91]

Lung (162)

employment in only one department								
duration of employment(years)	-1-	-2-	-3-	-4-	-5-	-6-	More than one department	Total
1-4	24 / 22.57 1.06 [0.68 - 1.58]	0 / 1.01 0 [0.00 - 3.66]	57 / 45.86 1.24 [0.94 - 1.61]	8 / 7.08 1.13 [0.49 - 2.23]	73 / 58.44 1.25 [0.98 - 1.57]	48 / 36.98 1.3 [0.96 - 1.72]	13 / 14.91 0.87 [0.46 - 1.49]	223 / 186.85 1.19 [1.04 - 1.36]
5-9	21 / 17.99 1.17 [0.72 - 1.78]	0 / 0.43 0 [0.00 - 8.54]	32 / 30.47 1.05 [0.72 - 1.48]	9 / 5.92 1.52 [0.70 - 2.89]	45 / 47.28 0.95 [0.69 - 1.27]	35 / 21.18 1.65 [1.15 - 2.30]	17 / 20.12 0.85 [0.49 - 1.35]	159 / 143.39 1.11 [0.94 - 1.30]
10-14	16 / 14.70 1.09 [0.62 - 1.77]	1 / 0.38 2.65 [0.07 - 14.8]	22 / 23.40 0.94 [0.59 - 1.42]	1 / 3.60 0.28 [0.01 - 1.55]	47 / 43.85 1.07 [0.79 - 1.43]	16 / 14.53 1.1 [0.63 - 1.79]	26 / 22.70 1.15 [0.75 - 1.68]	129 / 123.16 1.05 [0.87 - 1.24]
15-19	14 / 14.96 0.94 [0.51 - 1.57]	1 / 0.29 3.45 [0.09 - 19.2]	27 / 20.27 1.33 [0.88 - 1.94]	0 / 1.34 0 [0.00 - 2.75]	42 / 45.04 0.93 [0.67 - 1.26]	8 / 10.04 0.8 [0.34 - 1.57]	26 / 28.91 0.9 [0.59 - 1.32]	118 / 120.85 0.98 [0.81 - 1.17]
20-24	14 / 12.16 1.15 [0.63 - 1.93]	0 / 0.16 0 [0.00 - 23.0]	20 / 17.70 1.13 [0.69 - 1.75]	1 / 0.70 1.43 [0.04 - 7.98]	44 / 40.62 1.08 [0.79 - 1.45]	8 / 6.80 1.18 [0.51 - 2.32]	36 / 32.59 1.1 [0.77 - 1.53]	123 / 110.73 1.11 [0.92 - 1.33]
25-29	11 / 12.01 0.92 [0.46 - 1.64]	0 / 0.09 0 [0.00 - 42.0]	9 / 15.04 0.6 [0.27 - 1.14]	0 / 0.54 0 [0.00 - 6.86]	36 / 37.22 0.97 [0.68 - 1.34]	4 / 5.15 0.78 [0.21 - 1.99]	42 / 35.03 1.2 [0.86 - 1.62]	102 / 105.07 0.97 [0.79 - 1.18]
> 30	32 / 32.06 1 [0.68 - 1.41]	0 / 0.57 0 [0.00 - 6.51]	36 / 50.18 0.72 [0.50 - 0.99]	1 / 1.34 0.75 [0.02 - 4.17]	84 / 97.95 0.86 [0.68 - 1.06]	10 / 6.64 1.51 [0.72 - 2.77]	96 / 109.23 0.88 [0.71 - 1.07]	259 / 297.96 0.87 [0.77 - 0.98]
Total	132 / 126.44 1.04 [0.87 - 1.24]	2 / 2.92 0.68 [0.08 - 2.47]	203 / 202.92 1 [0.87 - 1.15]	20 / 20.51 0.97 [0.60 - 1.51]	371 / 370.40 1 [0.90 - 1.11]	129 / 101.32 1.27 [1.06 - 1.51]	256 / 263.48 0.97 [0.86 - 1.10]	1113 / 1088.00 1.02 [0.96 - 1.08]

Table 2.8.1

Mortality from selected causes of death by employment in only one department and duration of employment

Lymphatic & haematopoietic tissue (200-208)

employment in only one department								
duration of employment(years)	-1-	-2-	-3-	-4-	-5-	-6-	More than one department	Total
1-4	16 / 10.60 1.51 [0.86 - 2.45]	0 / 0.30 0 [0.00 - 12.3]	27 / 19.16 1.41 [0.93 - 2.05]	1 / 2.66 0.38 [0.01 - 2.10]	18 / 27.78 0.65 [0.38 - 1.02]	9 / 10.83 0.83 [0.38 - 1.58]	5 / 7.67 0.65 [0.21 - 1.52]	76 / 78.99 0.96 [0.76 - 1.20]
5-9	4 / 8.29 0.48 [0.13 - 1.24]	0 / 0.14 0 [0.00 - 27.1]	16 / 11.48 1.39 [0.80 - 2.26]	1 / 1.80 0.55 [0.01 - 3.09]	19 / 19.43 0.98 [0.59 - 1.53]	13 / 5.61 2.32 [1.23 - 3.96]	9 / 8.86 1.02 [0.46 - 1.93]	62 / 55.61 1.11 [0.85 - 1.43]
10-14	2 / 6.12 0.33 [0.04 - 1.18]	0 / 0.13 0 [0.00 - 29.4]	6 / 7.94 0.76 [0.28 - 1.65]	2 / 1.01 1.98 [0.24 - 7.15]	9 / 16.54 0.54 [0.25 - 1.03]	4 / 3.41 1.17 [0.32 - 3.00]	5 / 8.81 0.57 [0.18 - 1.32]	28 / 43.95 0.64 [0.42 - 0.92]
15-19	8 / 6.45 1.24 [0.54 - 2.44]	0 / 0.09 0 [0.00 - 39.2]	3 / 7.24 0.41 [0.09 - 1.21]	0 / 0.45 0 [0.00 - 8.20]	9 / 15.53 0.58 [0.26 - 1.10]	2 / 2.33 0.86 [0.10 - 3.10]	15 / 9.70 1.55 [0.87 - 2.55]	37 / 41.80 0.89 [0.62 - 1.22]
20-24	3 / 4.87 0.62 [0.13 - 1.80]	0 / 0.07 0 [0.00 - 50.4]	2 / 5.74 0.35 [0.04 - 1.26]	0 / 0.30 0 [0.00 - 12.3]	15 / 13.31 1.13 [0.63 - 1.86]	1 / 1.46 0.68 [0.02 - 3.80]	6 / 10.09 0.59 [0.22 - 1.29]	27 / 35.86 0.75 [0.50 - 1.10]
25-29	5 / 4.56 1.1 [0.36 - 2.56]	0 / 0.04 0 [0.00 - 98.9]	4 / 4.59 0.87 [0.24 - 2.23]	0 / 0.22 0 [0.00 - 16.8]	10 / 11.91 0.84 [0.40 - 1.54]	0 / 1.11 0 [0.00 - 3.34]	10 / 9.95 1.01 [0.48 - 1.85]	29 / 32.37 0.9 [0.60 - 1.29]
> 30	15 / 12.74 1.18 [0.66 - 1.94]	0 / 0.12 0 [0.00 - 31.5]	13 / 14.23 0.91 [0.49 - 1.56]	1 / 0.49 2.02 [0.05 - 11.3]	28 / 30.92 0.91 [0.60 - 1.31]	1 / 1.96 0.51 [0.01 - 2.84]	27 / 29.57 0.91 [0.60 - 1.33]	85 / 90.03 0.94 [0.75 - 1.17]
Total	53 / 53.64 0.99 [0.74 - 1.29]	0 / 0.88 0 [0.00 - 4.18]	71 / 70.38 1.01 [0.79 - 1.27]	5 / 6.94 0.72 [0.23 - 1.68]	108 / 135.42 0.8 [0.65 - 0.96]	30 / 26.71 1.12 [0.76 - 1.60]	77 / 84.64 0.91 [0.72 - 1.14]	344 / 378.61 0.91 [0.82 - 1.01]

Ischaemic heart disease (410-414)

employment in only one department								
duration of employment(years)	-1-	-2-	-3-	-4-	-5-	-6-	More than one department	Total
1-4	136 / 129.33 1.05 [0.88 - 1.24]	2 / 3.73 0.54 [0.06 - 1.94]	202 / 187.12 1.08 [0.94 - 1.24]	30 / 22.71 1.32 [0.89 - 1.89]	266 / 295.85 0.9 [0.79 - 1.01]	125 / 128.96 0.97 [0.81 - 1.15]	45 / 62.06 0.73 [0.53 - 0.97]	806 / 829.76 0.97 [0.91 - 1.04]
5-9	106 / 111.53 0.95 [0.78 - 1.15]	0 / 1.87 0 [0.00 - 1.97]	151 / 133.05 1.13 [0.96 - 1.33]	26 / 21.02 1.24 [0.81 - 1.81]	227 / 236.15 0.96 [0.84 - 1.09]	78 / 73.08 1.07 [0.84 - 1.33]	70 / 90.47 0.77 [0.60 - 0.98]	658 / 667.17 0.99 [0.91 - 1.06]
10-14	84 / 90.73 0.93 [0.74 - 1.15]	0 / 1.75 0 [0.00 - 2.11]	110 / 103.29 1.06 [0.88 - 1.28]	16 / 11.59 1.38 [0.79 - 2.24]	197 / 228.41 0.86 [0.75 - 0.99]	34 / 40.24 0.84 [0.59 - 1.18]	112 / 107.67 1.04 [0.86 - 1.25]	553 / 583.68 0.95 [0.87 - 1.03]
15-19	91 / 99.77 0.91 [0.73 - 1.12]	1 / 1.01 0.99 [0.02 - 5.49]	107 / 100.15 1.07 [0.88 - 1.29]	8 / 4.21 1.9 [0.82 - 3.75]	199 / 238.46 0.83 [0.72 - 0.96]	16 / 25.92 0.62 [0.35 - 1.00]	91 / 142.25 0.64 [0.52 - 0.79]	513 / 611.78 0.84 [0.77 - 0.91]
20-24	95 / 77.56 1.22 [0.99 - 1.50]	0 / 0.82 0 [0.00 - 4.48]	68 / 82.39 0.83 [0.64 - 1.05]	3 / 2.54 1.18 [0.24 - 3.46]	171 / 214.94 0.8 [0.68 - 0.92]	8 / 14.23 0.56 [0.24 - 1.11]	150 / 158.69 0.95 [0.80 - 1.11]	495 / 551.17 0.9 [0.82 - 0.98]
25-29	81 / 75.24 1.08 [0.85 - 1.34]	0 / 0.31 0 [0.00 - 11.8]	75 / 66.72 1.12 [0.88 - 1.41]	3 / 2.01 1.49 [0.31 - 4.36]	177 / 192.89 0.92 [0.79 - 1.06]	7 / 10.69 0.65 [0.26 - 1.35]	137 / 159.52 0.86 [0.72 - 1.02]	480 / 507.39 0.95 [0.86 - 1.03]
> 30	202 / 224.06 0.9 [0.78 - 1.03]	2 / 1.98 1.01 [0.12 - 3.66]	264 / 238.37 1.11 [0.98 - 1.25]	2 / 5.53 0.36 [0.04 - 1.31]	526 / 534.88 0.98 [0.90 - 1.07]	37 / 28.44 1.3 [0.92 - 1.79]	517 / 535.97 0.96 [0.88 - 1.05]	1550 / 1569.20 0.99 [0.94 - 1.04]
Total	795 / 808.21 0.98 [0.92 - 1.05]	5 / 11.48 0.44 [0.14 - 1.02]	977 / 911.09 1.07 [1.01 - 1.14]	88 / 69.60 1.26 [1.01 - 1.56]	1763 / 1941.57 0.91 [0.87 - 0.95]	305 / 321.57 0.95 [0.85 - 1.06]	1122 / 1256.63 0.89 [0.84 - 0.95]	5055 / 5320.15 0.95 [0.92 - 0.98]

Table 2.8.1

Mortality from selected causes of death by employment in only one department and duration of employment

DIS. OF RESPIRATORY SYSTEM (460-519)

employment in only one department								
duration of employment(years)	-1-	-2-	-3-	-4-	-5-	-6-	More than one department	Total
1-4	37 / 26.12 1.42 [1.00 - 1.95]	2 / 0.77 2.59 [0.31 - 9.36]	62 / 44.77 1.39 [1.06 - 1.78]	6 / 5.29 1.13 [0.42 - 2.47]	60 / 69.27 0.87 [0.66 - 1.11]	37 / 29.88 1.24 [0.87 - 1.71]	9 / 13.16 0.68 [0.31 - 1.30]	213 / 189.26 1.13 [0.98 - 1.29]
5-9	22 / 24.40 0.9 [0.57 - 1.37]	0 / 0.44 0 [0.00 - 8.32]	21 / 34.93 0.6 [0.37 - 0.92]	7 / 4.99 1.4 [0.56 - 2.89]	38 / 55.36 0.69 [0.49 - 0.94]	18 / 17.73 1.02 [0.60 - 1.60]	18 / 19.00 0.95 [0.56 - 1.50]	124 / 156.84 0.79 [0.66 - 0.94]
10-14	15 / 19.94 0.75 [0.42 - 1.24]	0 / 0.47 0 [0.00 - 7.80]	25 / 25.30 0.99 [0.64 - 1.46]	1 / 2.76 0.36 [0.01 - 2.02]	43 / 53.82 0.8 [0.58 - 1.08]	11 / 10.51 1.05 [0.52 - 1.87]	18 / 21.89 0.82 [0.49 - 1.30]	113 / 134.68 0.84 [0.69 - 1.01]
15-19	17 / 25.53 0.67 [0.39 - 1.07]	0 / 0.27 0 [0.00 - 13.6]	25 / 26.52 0.94 [0.61 - 1.39]	0 / 1.00 0 [0.00 - 3.70]	39 / 57.98 0.67 [0.48 - 0.92]	7 / 8.24 0.85 [0.34 - 1.75]	18 / 33.15 0.54 [0.32 - 0.86]	106 / 152.68 0.69 [0.57 - 0.84]
20-24	18 / 18.43 0.98 [0.58 - 1.54]	1 / 0.21 4.86 [0.12 - 27.1]	15 / 20.84 0.72 [0.40 - 1.19]	0 / 0.62 0 [0.00 - 5.93]	34 / 52.73 0.64 [0.45 - 0.90]	5 / 4.58 1.09 [0.35 - 2.55]	30 / 37.24 0.81 [0.54 - 1.15]	103 / 134.66 0.76 [0.62 - 0.93]
25-29	15 / 18.61 0.81 [0.45 - 1.33]	1 / 0.07 13.4 [0.33 - 74.4]	13 / 16.14 0.81 [0.43 - 1.38]	0 / 0.48 0 [0.00 - 7.72]	28 / 45.34 0.62 [0.41 - 0.89]	3 / 3.92 0.76 [0.16 - 2.23]	40 / 36.24 1.1 [0.79 - 1.50]	100 / 120.80 0.83 [0.67 - 1.01]
> 30	40 / 55.43 0.72 [0.52 - 0.98]	0 / 0.80 0 [0.00 - 4.58]	38 / 67.57 0.56 [0.40 - 0.77]	1 / 1.48 0.68 [0.02 - 3.77]	87 / 128.72 0.68 [0.54 - 0.83]	6 / 7.29 0.82 [0.30 - 1.79]	100 / 121.70 0.82 [0.67 - 1.00]	272 / 382.99 0.71 [0.63 - 0.80]
Total	164 / 188.46 0.87 [0.74 - 1.01]	4 / 3.05 1.31 [0.36 - 3.36]	199 / 236.06 0.84 [0.73 - 0.97]	15 / 16.61 0.9 [0.51 - 1.49]	329 / 463.21 0.71 [0.64 - 0.79]	87 / 82.14 1.06 [0.85 - 1.31]	233 / 282.37 0.83 [0.72 - 0.94]	1031 / 1271.91 0.81 [0.76 - 0.86]

EXTERNAL CAUSES (E800-999)

employment in only one department								
duration of employment(years)	-1-	-2-	-3-	-4-	-5-	-6-	More than one department	Total
1-4	70 / 72.96 0.96 [0.75 - 1.21]	3 / 2.01 1.49 [0.31 - 4.37]	159 / 130.61 1.22 [1.04 - 1.42]	20 / 20.04 1 [0.61 - 1.54]	195 / 254.65 0.77 [0.66 - 0.88]	87 / 56.46 1.54 [1.23 - 1.90]	58 / 90.84 0.64 [0.48 - 0.83]	592 / 627.57 0.94 [0.87 - 1.02]
5-9	34 / 39.21 0.87 [0.60 - 1.21]	0 / 0.86 0 [0.00 - 4.28]	64 / 61.96 1.03 [0.80 - 1.32]	13 / 8.61 1.51 [0.80 - 2.58]	105 / 140.61 0.75 [0.61 - 0.90]	34 / 24.12 1.41 [0.98 - 1.97]	60 / 86.01 0.7 [0.53 - 0.90]	310 / 361.39 0.86 [0.76 - 0.96]
10-14	18 / 25.58 0.7 [0.42 - 1.11]	1 / 0.56 1.78 [0.04 - 9.91]	19 / 37.80 0.5 [0.30 - 0.78]	2 / 4.17 0.48 [0.06 - 1.73]	57 / 92.17 0.62 [0.47 - 0.80]	12 / 12.06 1 [0.51 - 1.74]	65 / 67.55 0.96 [0.74 - 1.23]	174 / 239.89 0.73 [0.62 - 0.84]
15-19	18 / 22.47 0.8 [0.47 - 1.27]	0 / 0.44 0 [0.00 - 8.42]	21 / 29.86 0.7 [0.44 - 1.08]	1 / 2.11 0.47 [0.01 - 2.64]	54 / 72.32 0.75 [0.56 - 0.97]	4 / 7.69 0.52 [0.14 - 1.33]	54 / 57.65 0.94 [0.70 - 1.22]	152 / 192.54 0.79 [0.67 - 0.93]
20-24	17 / 16.02 1.06 [0.62 - 1.70]	0 / 0.34 0 [0.00 - 10.9]	21 / 22.78 0.92 [0.57 - 1.41]	0 / 1.35 0 [0.00 - 2.74]	41 / 53.68 0.76 [0.55 - 1.04]	4 / 4.44 0.9 [0.25 - 2.30]	26 / 49.85 0.52 [0.34 - 0.76]	109 / 148.46 0.73 [0.60 - 0.89]
25-29	9 / 13.44 0.67 [0.31 - 1.27]	0 / 0.23 0 [0.00 - 16.2]	12 / 17.00 0.71 [0.36 - 1.23]	0 / 0.88 0 [0.00 - 4.17]	22 / 41.70 0.53 [0.33 - 0.80]	2 / 3.04 0.66 [0.08 - 2.38]	34 / 42.07 0.81 [0.56 - 1.13]	79 / 118.36 0.67 [0.53 - 0.83]
> 30	29 / 30.21 0.96 [0.64 - 1.38]	0 / 0.36 0 [0.00 - 10.2]	35 / 37.55 0.93 [0.65 - 1.30]	2 / 1.57 1.27 [0.15 - 4.59]	55 / 82.77 0.66 [0.50 - 0.86]	5 / 5.05 0.99 [0.32 - 2.31]	80 / 85.37 0.94 [0.74 - 1.17]	206 / 242.88 0.85 [0.74 - 0.97]
Total	195 / 219.89 0.89 [0.77 - 1.02]	4 / 4.80 0.83 [0.23 - 2.14]	331 / 337.57 0.98 [0.88 - 1.09]	38 / 38.74 0.98 [0.69 - 1.35]	529 / 737.90 0.72 [0.66 - 0.78]	148 / 112.87 1.31 [1.11 - 1.54]	377 / 479.33 0.79 [0.71 - 0.87]	1622 / 1931.08 0.84 [0.80 - 0.88]

Table 2.8.2

Mortality from selected causes of death by employment in only one department and duration of employment

TOTAL COHORT

Men

ALL CAUSES

employment in only one department

duration of employment(years)	-1-	-2-	-3-	-4-	-5-	-6-	More than one department	Total
1-4	492 / 455.28 1.08 [0.99 - 1.18]	12 / 13.51 0.89 [0.46 - 1.55]	641 / 596.60 1.07 [0.99 - 1.16]	95 / 85.79 1.11 [0.90 - 1.35]	993 / 1199.19 0.83 [0.78 - 0.88]	580 / 446.48 1.3 [1.20 - 1.41]	209 / 292.86 0.71 [0.62 - 0.82]	3022 / 3089.71 0.98 [0.94 - 1.01]
5-9	339 / 342.71 0.99 [0.89 - 1.10]	2 / 6.66 0.3 [0.04 - 1.08]	416 / 404.47 1.03 [0.93 - 1.13]	73 / 64.95 1.12 [0.88 - 1.41]	742 / 860.21 0.86 [0.80 - 0.93]	324 / 250.37 1.29 [1.16 - 1.44]	271 / 356.44 0.76 [0.67 - 0.86]	2167 / 2285.81 0.95 [0.91 - 0.99]
10-14	247 / 280.13 0.88 [0.78 - 1.00]	4 / 6.26 0.64 [0.17 - 1.64]	293 / 307.28 0.95 [0.85 - 1.07]	34 / 37.11 0.92 [0.63 - 1.28]	642 / 760.43 0.84 [0.78 - 0.91]	164 / 153.81 1.07 [0.91 - 1.24]	347 / 367.69 0.94 [0.85 - 1.05]	1731 / 1912.70 0.91 [0.86 - 0.95]
15-19	284 / 295.50 0.96 [0.85 - 1.08]	4 / 4.27 0.94 [0.26 - 2.40]	285 / 305.83 0.93 [0.83 - 1.05]	16 / 12.45 1.29 [0.73 - 2.09]	616 / 759.08 0.81 [0.75 - 0.88]	96 / 114.12 0.84 [0.68 - 1.03]	367 / 447.02 0.82 [0.74 - 0.91]	1668 / 1938.27 0.86 [0.82 - 0.90]
20-24	258 / 237.70 1.09 [0.96 - 1.23]	2 / 3.27 0.61 [0.07 - 2.21]	232 / 255.33 0.91 [0.80 - 1.03]	6 / 6.64 0.9 [0.33 - 1.97]	558 / 668.71 0.83 [0.77 - 0.91]	53 / 68.71 0.77 [0.58 - 1.01]	392 / 484.94 0.81 [0.73 - 0.89]	1501 / 1725.30 0.87 [0.83 - 0.92]
25-29	217 / 236.04 0.92 [0.80 - 1.05]	2 / 1.65 1.21 [0.15 - 4.39]	195 / 205.59 0.95 [0.82 - 1.09]	4 / 5.77 0.69 [0.19 - 1.77]	536 / 604.65 0.89 [0.81 - 0.96]	41 / 56.04 0.73 [0.53 - 0.99]	428 / 492.64 0.87 [0.79 - 0.96]	1423 / 1602.39 0.89 [0.84 - 0.94]
> 30	651 / 688.80 0.95 [0.87 - 1.02]	4 / 7.49 0.53 [0.15 - 1.37]	663 / 721.46 0.92 [0.85 - 0.99]	15 / 16.19 0.93 [0.52 - 1.53]	1504 / 1658.83 0.91 [0.86 - 0.95]	106 / 106.05 1 [0.82 - 1.21]	1446 / 1558.61 0.93 [0.88 - 0.98]	4389 / 4757.43 0.92 [0.90 - 0.95]
Total	2488 / 2536.17 0.98 [0.94 - 1.02]	30 / 43.10 0.7 [0.47 - 0.99]	2725 / 2796.55 0.97 [0.94 - 1.01]	243 / 228.90 1.06 [0.93 - 1.20]	5591 / 6511.10 0.86 [0.84 - 0.88]	1364 / 1195.58 1.14 [1.08 - 1.20]	3460 / 4000.22 0.86 [0.84 - 0.89]	15901 / 17311.61 0.92 [0.90 - 0.93]

ALL MALIGNANT NEOPLASMS (140-208)

employment in only one department

duration of employment(years)	-1-	-2-	-3-	-4-	-5-	-6-	More than one department	Total
1-4	110 / 99.34 1.11 [0.91 - 1.33]	2 / 3.40 0.59 [0.07 - 2.13]	145 / 137.43 1.06 [0.89 - 1.24]	25 / 21.11 1.18 [0.77 - 1.75]	229 / 237.46 0.96 [0.84 - 1.10]	135 / 118.22 1.14 [0.96 - 1.35]	47 / 55.90 0.84 [0.62 - 1.12]	693 / 672.86 1.03 [0.95 - 1.11]
5-9	77 / 77.95 0.99 [0.78 - 1.23]	0 / 1.59 0 [0.00 - 2.33]	103 / 96.11 1.07 [0.87 - 1.30]	16 / 17.28 0.93 [0.53 - 1.50]	167 / 184.64 0.9 [0.77 - 1.05]	90 / 68.15 1.32 [1.06 - 1.62]	48 / 73.51 0.65 [0.48 - 0.87]	501 / 519.22 0.96 [0.88 - 1.05]
10-14	64 / 64.35 0.99 [0.77 - 1.27]	2 / 1.52 1.32 [0.16 - 4.76]	62 / 75.96 0.82 [0.63 - 1.05]	6 / 10.55 0.57 [0.21 - 1.24]	157 / 171.54 0.92 [0.78 - 1.07]	54 / 45.73 1.18 [0.89 - 1.54]	84 / 80.87 1.04 [0.83 - 1.29]	429 / 450.52 0.95 [0.86 - 1.05]
15-19	62 / 66.24 0.94 [0.72 - 1.20]	2 / 1.15 1.74 [0.21 - 6.28]	75 / 73.94 1.01 [0.80 - 1.27]	4 / 3.47 1.15 [0.31 - 2.95]	130 / 173.01 0.75 [0.63 - 0.89]	32 / 32.89 0.97 [0.67 - 1.37]	96 / 100.86 0.95 [0.77 - 1.16]	401 / 451.56 0.89 [0.80 - 0.98]
20-24	51 / 54.94 0.93 [0.69 - 1.22]	1 / 0.82 1.22 [0.03 - 6.81]	64 / 64.66 0.99 [0.76 - 1.26]	3 / 1.91 1.57 [0.32 - 4.59]	147 / 156.31 0.94 [0.79 - 1.11]	18 / 21.73 0.83 [0.49 - 1.31]	91 / 113.97 0.8 [0.64 - 0.98]	375 / 414.34 0.91 [0.82 - 1.00]
25-29	43 / 54.87 0.78 [0.57 - 1.06]	0 / 0.46 0 [0.00 - 7.97]	48 / 54.76 0.88 [0.65 - 1.16]	1 / 1.83 0.55 [0.01 - 3.04]	134 / 146.58 0.91 [0.77 - 1.08]	15 / 17.39 0.86 [0.48 - 1.42]	96 / 122.52 0.78 [0.63 - 0.96]	337 / 398.42 0.85 [0.76 - 0.94]
> 30	161 / 157.33 1.02 [0.87 - 1.19]	2 / 1.99 1 [0.12 - 3.63]	147 / 183.93 0.8 [0.68 - 0.94]	6 / 4.74 1.27 [0.46 - 2.76]	364 / 401.54 0.91 [0.82 - 1.00]	29 / 28.31 1.02 [0.69 - 1.47]	338 / 382.83 0.88 [0.79 - 0.98]	1047 / 1160.68 0.9 [0.85 - 0.96]
Total	568 / 575.01 0.99 [0.91 - 1.07]	9 / 10.92 0.82 [0.38 - 1.56]	644 / 686.79 0.94 [0.87 - 1.01]	61 / 60.89 1 [0.77 - 1.29]	1328 / 1471.08 0.9 [0.85 - 0.95]	373 / 332.43 1.12 [1.01 - 1.24]	800 / 930.47 0.86 [0.80 - 0.92]	3783 / 4067.60 0.93 [0.90 - 0.96]

Table 2.8.2

Mortality from selected causes of death by employment in only one department and duration of employment

Stomach (151)

employment in only one department								
duration of employment(years)	-1-	-2-	-3-	-4-	-5-	-6-	More than one department	Total
1-4	13 / 10.44 1.24 [0.66 - 2.13]	1 / 0.23 4.39 [0.11 - 24.4]	8 / 11.22 0.71 [0.31 - 1.40]	1 / 1.23 0.81 [0.02 - 4.53]	18 / 25.54 0.7 [0.42 - 1.11]	4 / 8.50 0.47 [0.13 - 1.20]	5 / 4.98 1 [0.33 - 2.34]	50 / 62.15 0.8 [0.60 - 1.06]
5-9	11 / 8.86 1.24 [0.62 - 2.22]	0 / 0.11 0 [0.00 - 33.6]	6 / 8.67 0.69 [0.25 - 1.51]	1 / 1.06 0.94 [0.02 - 5.23]	14 / 20.94 0.67 [0.37 - 1.12]	2 / 5.03 0.4 [0.05 - 1.44]	3 / 7.13 0.42 [0.09 - 1.23]	37 / 51.81 0.71 [0.50 - 0.98]
10-14	10 / 7.46 1.34 [0.64 - 2.47]	0 / 0.13 0 [0.00 - 27.4]	2 / 6.90 0.29 [0.04 - 1.05]	0 / 0.56 0 [0.00 - 6.59]	16 / 19.38 0.83 [0.47 - 1.34]	4 / 3.46 1.16 [0.32 - 2.96]	6 / 8.35 0.72 [0.26 - 1.56]	38 / 46.24 0.82 [0.58 - 1.13]
15-19	4 / 8.13 0.49 [0.13 - 1.26]	1 / 0.13 7.65 [0.19 - 42.6]	8 / 7.63 1.05 [0.45 - 2.07]	0 / 0.19 0 [0.00 - 19.2]	7 / 19.72 0.36 [0.14 - 0.73]	3 / 3.14 0.95 [0.20 - 2.79]	13 / 10.78 1.21 [0.64 - 2.06]	36 / 49.72 0.72 [0.51 - 1.00]
20-24	4 / 6.69 0.6 [0.16 - 1.53]	0 / 0.11 0 [0.00 - 33.3]	7 / 6.36 1.1 [0.44 - 2.27]	0 / 0.11 0 [0.00 - 34.0]	22 / 17.47 1.26 [0.79 - 1.91]	1 / 1.86 0.54 [0.01 - 3.00]	10 / 11.73 0.85 [0.41 - 1.57]	44 / 44.33 0.99 [0.72 - 1.33]
25-29	6 / 6.85 0.88 [0.32 - 1.91]	0 / 0.08 0 [0.00 - 43.8]	4 / 5.45 0.73 [0.20 - 1.88]	0 / 0.11 0 [0.00 - 32.5]	16 / 16.43 0.97 [0.56 - 1.58]	0 / 1.70 0 [0.00 - 2.17]	7 / 11.98 0.58 [0.23 - 1.20]	33 / 42.61 0.77 [0.53 - 1.09]
> 30	22 / 19.76 1.11 [0.70 - 1.69]	1 / 0.22 4.46 [0.11 - 24.8]	17 / 18.93 0.9 [0.52 - 1.44]	0 / 0.32 0 [0.00 - 11.5]	34 / 45.01 0.76 [0.52 - 1.06]	5 / 3.15 1.59 [0.52 - 3.71]	31 / 35.80 0.87 [0.59 - 1.23]	110 / 123.20 0.89 [0.73 - 1.08]
Total	70 / 68.20 1.03 [0.80 - 1.30]	3 / 1.02 2.94 [0.61 - 8.58]	52 / 65.17 0.8 [0.60 - 1.05]	2 / 3.59 0.56 [0.07 - 2.01]	127 / 164.50 0.77 [0.64 - 0.92]	19 / 26.83 0.71 [0.43 - 1.11]	75 / 90.76 0.83 [0.65 - 1.04]	348 / 420.07 0.83 [0.74 - 0.92]

Lung (162)

employment in only one department								
duration of employment(years)	-1-	-2-	-3-	-4-	-5-	-6-	More than one department	Total
1-4	24 / 22.07 1.09 [0.70 - 1.62]	0 / 0.99 0 [0.00 - 3.71]	39 / 37.09 1.05 [0.75 - 1.44]	8 / 6.24 1.28 [0.55 - 2.52]	69 / 55.29 1.25 [0.97 - 1.58]	45 / 35.24 1.28 [0.93 - 1.71]	13 / 14.30 0.91 [0.48 - 1.55]	198 / 171.23 1.16 [1.00 - 1.33]
5-9	20 / 17.06 1.17 [0.72 - 1.81]	0 / 0.43 0 [0.00 - 8.55]	24 / 25.50 0.94 [0.60 - 1.40]	7 / 5.34 1.31 [0.53 - 2.70]	43 / 44.71 0.96 [0.70 - 1.30]	32 / 20.46 1.56 [1.07 - 2.21]	14 / 19.17 0.73 [0.40 - 1.23]	140 / 132.67 1.06 [0.89 - 1.25]
10-14	16 / 14.35 1.12 [0.64 - 1.81]	1 / 0.38 2.66 [0.07 - 14.8]	20 / 20.71 0.97 [0.59 - 1.49]	1 / 3.34 0.3 [0.01 - 1.67]	43 / 41.89 1.03 [0.74 - 1.38]	16 / 14.11 1.13 [0.65 - 1.84]	26 / 21.60 1.2 [0.79 - 1.76]	123 / 116.36 1.06 [0.88 - 1.26]
15-19	13 / 14.25 0.91 [0.49 - 1.56]	1 / 0.29 3.46 [0.09 - 19.3]	23 / 18.23 1.26 [0.80 - 1.89]	0 / 1.08 0 [0.00 - 3.41]	41 / 43.61 0.94 [0.67 - 1.28]	8 / 9.81 0.82 [0.35 - 1.61]	25 / 27.71 0.9 [0.58 - 1.33]	111 / 114.97 0.97 [0.79 - 1.16]
20-24	14 / 11.88 1.18 [0.64 - 1.98]	0 / 0.16 0 [0.00 - 23.0]	20 / 16.49 1.21 [0.74 - 1.87]	1 / 0.53 1.88 [0.05 - 10.5]	43 / 39.64 1.08 [0.79 - 1.46]	8 / 6.69 1.2 [0.52 - 2.36]	35 / 31.49 1.11 [0.77 - 1.55]	121 / 106.87 1.13 [0.94 - 1.35]
25-29	10 / 11.84 0.84 [0.41 - 1.55]	0 / 0.09 0 [0.00 - 42.0]	8 / 14.16 0.57 [0.24 - 1.11]	0 / 0.45 0 [0.00 - 8.17]	36 / 36.62 0.98 [0.69 - 1.36]	4 / 5.11 0.78 [0.21 - 2.00]	39 / 34.10 1.14 [0.81 - 1.56]	97 / 102.36 0.95 [0.77 - 1.16]
> 30	32 / 31.86 1 [0.69 - 1.42]	0 / 0.57 0 [0.00 - 6.51]	36 / 48.01 0.75 [0.53 - 1.04]	1 / 1.19 0.84 [0.02 - 4.69]	84 / 97.18 0.86 [0.69 - 1.07]	10 / 6.59 1.52 [0.73 - 2.79]	94 / 107.17 0.88 [0.71 - 1.07]	257 / 292.58 0.88 [0.77 - 0.99]
Total	129 / 123.31 1.05 [0.87 - 1.24]	2 / 2.91 0.69 [0.08 - 2.49]	170 / 180.17 0.94 [0.81 - 1.10]	18 / 18.18 0.99 [0.59 - 1.56]	359 / 358.93 1 [0.90 - 1.11]	123 / 98.00 1.26 [1.04 - 1.50]	246 / 255.54 0.96 [0.85 - 1.09]	1047 / 1037.05 1.01 [0.95 - 1.07]

Table 2.8.2

Mortality from selected causes of death by employment in only one department and duration of employment

Lymphatic & haematopoietic tissue (200-208)

employment in only one department								
duration of employment(years)	-1-	-2-	-3-	-4-	-5-	-6-	More than one department	Total
1-4	16 / 9.91 1.61 [0.92 - 2.62]	0 / 0.29 0 [0.00 - 12.7]	22 / 13.68 1.61 [1.01 - 2.43]	1 / 1.95 0.51 [0.01 - 2.86]	18 / 24.08 0.75 [0.44 - 1.18]	9 / 9.84 0.92 [0.42 - 1.74]	5 / 6.83 0.73 [0.24 - 1.71]	71 / 66.57 1.07 [0.83 - 1.35]
5-9	4 / 7.13 0.56 [0.15 - 1.44]	0 / 0.13 0 [0.00 - 27.5]	10 / 8.44 1.18 [0.57 - 2.18]	1 / 1.33 0.75 [0.02 - 4.20]	17 / 16.91 1.01 [0.59 - 1.61]	12 / 5.19 2.31 [1.19 - 4.04]	7 / 7.72 0.91 [0.36 - 1.87]	51 / 46.86 1.09 [0.81 - 1.43]
10-14	2 / 5.63 0.36 [0.04 - 1.28]	0 / 0.12 0 [0.00 - 29.7]	3 / 6.26 0.48 [0.10 - 1.40]	0 / 0.77 0 [0.00 - 4.77]	8 / 14.69 0.54 [0.24 - 1.07]	2 / 3.21 0.62 [0.08 - 2.25]	5 / 7.58 0.66 [0.21 - 1.54]	20 / 38.26 0.52 [0.32 - 0.81]
15-19	7 / 5.55 1.26 [0.51 - 2.60]	0 / 0.09 0 [0.00 - 39.5]	2 / 5.90 0.34 [0.04 - 1.22]	0 / 0.27 0 [0.00 - 13.9]	9 / 14.10 0.64 [0.29 - 1.21]	1 / 2.22 0.45 [0.01 - 2.51]	15 / 8.38 1.79 [1.00 - 2.95]	34 / 36.51 0.93 [0.64 - 1.30]
20-24	3 / 4.48 0.67 [0.14 - 1.95]	0 / 0.07 0 [0.00 - 50.4]	2 / 4.90 0.41 [0.05 - 1.47]	0 / 0.14 0 [0.00 - 26.0]	15 / 12.29 1.22 [0.68 - 2.01]	1 / 1.42 0.71 [0.02 - 3.93]	6 / 8.83 0.68 [0.25 - 1.48]	27 / 32.14 0.84 [0.55 - 1.22]
25-29	5 / 4.34 1.15 [0.37 - 2.69]	0 / 0.04 0 [0.00 - 98.9]	3 / 3.89 0.77 [0.16 - 2.25]	0 / 0.12 0 [0.00 - 31.9]	9 / 11.31 0.8 [0.36 - 1.51]	0 / 1.09 0 [0.00 - 3.40]	9 / 9.03 1 [0.46 - 1.89]	26 / 29.82 0.87 [0.57 - 1.28]
> 30	15 / 12.45 1.2 [0.67 - 1.99]	0 / 0.12 0 [0.00 - 31.5]	11 / 12.41 0.89 [0.44 - 1.59]	1 / 0.31 3.26 [0.08 - 18.2]	27 / 30.16 0.9 [0.59 - 1.30]	1 / 1.89 0.53 [0.01 - 2.94]	25 / 27.44 0.91 [0.59 - 1.34]	80 / 84.78 0.94 [0.75 - 1.17]
Total	52 / 49.50 1.05 [0.78 - 1.38]	0 / 0.87 0 [0.00 - 4.24]	53 / 55.49 0.96 [0.72 - 1.25]	3 / 4.88 0.61 [0.13 - 1.80]	103 / 123.53 0.83 [0.68 - 1.01]	26 / 24.86 1.05 [0.68 - 1.53]	72 / 75.81 0.95 [0.74 - 1.20]	309 / 334.93 0.92 [0.82 - 1.03]

Ischaemic heart disease (410-414)

employment in only one department								
duration of employment(years)	-1-	-2-	-3-	-4-	-5-	-6-	More than one department	Total
1-4	132 / 123.95 1.06 [0.89 - 1.26]	2 / 3.71 0.54 [0.07 - 1.95]	157 / 152.63 1.03 [0.87 - 1.20]	26 / 20.48 1.27 [0.83 - 1.86]	245 / 275.29 0.89 [0.78 - 1.01]	120 / 120.84 0.99 [0.82 - 1.19]	44 / 58.80 0.75 [0.54 - 1.00]	726 / 755.71 0.96 [0.89 - 1.03]
5-9	98 / 101.38 0.97 [0.78 - 1.18]	0 / 1.87 0 [0.00 - 1.97]	120 / 110.55 1.09 [0.90 - 1.30]	22 / 18.51 1.19 [0.74 - 1.80]	214 / 217.55 0.98 [0.86 - 1.12]	74 / 68.97 1.07 [0.84 - 1.35]	65 / 82.49 0.79 [0.61 - 1.00]	593 / 601.33 0.99 [0.91 - 1.07]
10-14	79 / 85.30 0.93 [0.73 - 1.15]	0 / 1.74 0 [0.00 - 2.11]	92 / 88.30 1.04 [0.84 - 1.28]	15 / 10.37 1.45 [0.81 - 2.39]	191 / 211.92 0.9 [0.78 - 1.04]	34 / 38.92 0.87 [0.60 - 1.22]	104 / 96.92 1.07 [0.88 - 1.30]	515 / 533.48 0.97 [0.88 - 1.05]
15-19	82 / 89.67 0.91 [0.73 - 1.14]	1 / 1.01 0.99 [0.02 - 5.50]	91 / 86.43 1.05 [0.85 - 1.29]	7 / 3.11 2.25 [0.90 - 4.63]	191 / 225.27 0.85 [0.73 - 0.98]	16 / 25.34 0.63 [0.36 - 1.03]	80 / 128.16 0.62 [0.49 - 0.78]	468 / 559.00 0.84 [0.76 - 0.92]
20-24	88 / 72.83 1.21 [0.97 - 1.49]	0 / 0.82 0 [0.00 - 4.48]	65 / 72.77 0.89 [0.69 - 1.14]	2 / 1.39 1.44 [0.17 - 5.20]	167 / 203.65 0.82 [0.70 - 0.95]	8 / 14.03 0.57 [0.25 - 1.12]	131 / 143.10 0.92 [0.77 - 1.09]	461 / 508.60 0.91 [0.83 - 0.99]
25-29	79 / 72.70 1.09 [0.86 - 1.35]	0 / 0.31 0 [0.00 - 11.8]	65 / 58.07 1.12 [0.86 - 1.43]	1 / 1.09 0.91 [0.02 - 5.09]	172 / 187.66 0.92 [0.78 - 1.06]	7 / 10.62 0.66 [0.26 - 1.36]	124 / 147.61 0.84 [0.70 - 1.00]	448 / 478.06 0.94 [0.85 - 1.03]
> 30	195 / 220.26 0.89 [0.77 - 1.02]	2 / 1.98 1.01 [0.12 - 3.66]	239 / 212.73 1.12 [0.99 - 1.28]	2 / 4.20 0.48 [0.06 - 1.72]	521 / 528.87 0.99 [0.90 - 1.07]	37 / 28.09 1.32 [0.93 - 1.82]	482 / 508.07 0.95 [0.87 - 1.04]	1478 / 1504.20 0.98 [0.93 - 1.03]
Total	753 / 766.09 0.98 [0.91 - 1.06]	5 / 11.45 0.44 [0.14 - 1.02]	829 / 781.49 1.06 [0.99 - 1.14]	75 / 59.15 1.27 [1.00 - 1.59]	1701 / 1850.22 0.92 [0.88 - 0.96]	296 / 306.82 0.96 [0.86 - 1.08]	1030 / 1165.16 0.88 [0.83 - 0.94]	4689 / 4940.38 0.95 [0.92 - 0.98]

Table 2.8.2

Mortality from selected causes of death by employment in only one department and duration of employment

DIS. OF RESPIRATORY SYSTEM (460-519)

employment in only one department								
duration of employment(years)	-1-	-2-	-3-	-4-	-5-	-6-	More than one department	Total
1-4	35 / 24.57 1.42 [0.99 - 1.98]	2 / 0.76 2.64 [0.32 - 9.52]	46 / 30.82 1.49 [1.09 - 1.99]	6 / 4.30 1.39 [0.51 - 3.04]	52 / 61.49 0.85 [0.63 - 1.11]	34 / 27.47 1.24 [0.86 - 1.73]	9 / 11.92 0.76 [0.35 - 1.43]	184 / 161.32 1.14 [0.98 - 1.32]
5-9	20 / 20.66 0.97 [0.59 - 1.49]	0 / 0.44 0 [0.00 - 8.36]	13 / 26.05 0.5 [0.27 - 0.85]	7 / 4.18 1.68 [0.67 - 3.45]	33 / 49.04 0.67 [0.46 - 0.95]	17 / 16.62 1.02 [0.60 - 1.64]	16 / 16.64 0.96 [0.55 - 1.56]	106 / 133.63 0.79 [0.65 - 0.96]
10-14	15 / 18.43 0.81 [0.46 - 1.34]	0 / 0.47 0 [0.00 - 7.81]	21 / 20.18 1.04 [0.64 - 1.59]	1 / 2.40 0.42 [0.01 - 2.32]	39 / 48.54 0.8 [0.57 - 1.10]	11 / 10.02 1.1 [0.55 - 1.97]	13 / 18.97 0.69 [0.36 - 1.17]	100 / 119.01 0.84 [0.68 - 1.02]
15-19	17 / 22.24 0.76 [0.45 - 1.22]	0 / 0.27 0 [0.00 - 13.6]	16 / 21.97 0.73 [0.42 - 1.18]	0 / 0.64 0 [0.00 - 5.77]	37 / 53.81 0.69 [0.48 - 0.95]	7 / 8.01 0.87 [0.35 - 1.80]	17 / 29.43 0.58 [0.34 - 0.92]	94 / 136.37 0.69 [0.56 - 0.84]
20-24	16 / 17.34 0.92 [0.53 - 1.50]	1 / 0.21 4.86 [0.12 - 27.1]	10 / 17.83 0.56 [0.27 - 1.03]	0 / 0.27 0 [0.00 - 13.9]	32 / 49.14 0.65 [0.45 - 0.92]	5 / 4.48 1.12 [0.36 - 2.61]	28 / 33.50 0.84 [0.56 - 1.21]	92 / 122.77 0.75 [0.60 - 0.92]
25-29	14 / 18.01 0.78 [0.42 - 1.30]	1 / 0.07 13.4 [0.33 - 74.4]	9 / 13.50 0.67 [0.30 - 1.27]	0 / 0.26 0 [0.00 - 14.5]	27 / 43.74 0.62 [0.41 - 0.90]	3 / 3.88 0.77 [0.16 - 2.26]	36 / 33.49 1.07 [0.75 - 1.49]	90 / 112.95 0.8 [0.64 - 0.98]
> 30	40 / 54.48 0.73 [0.52 - 1.00]	0 / 0.80 0 [0.00 - 4.58]	32 / 60.14 0.53 [0.36 - 0.75]	0 / 0.99 0 [0.00 - 3.71]	87 / 126.90 0.69 [0.55 - 0.85]	6 / 7.16 0.84 [0.31 - 1.82]	93 / 115.44 0.81 [0.65 - 0.99]	258 / 365.91 0.71 [0.62 - 0.80]
Total	157 / 175.75 0.89 [0.76 - 1.04]	4 / 3.03 1.32 [0.36 - 3.38]	147 / 190.48 0.77 [0.65 - 0.91]	14 / 13.03 1.07 [0.59 - 1.80]	307 / 432.65 0.71 [0.63 - 0.79]	83 / 77.63 1.07 [0.85 - 1.33]	212 / 259.39 0.82 [0.71 - 0.94]	924 / 1151.96 0.8 [0.75 - 0.86]

EXTERNAL CAUSES (E800-999)

employment in only one department								
duration of employment(years)	-1-	-2-	-3-	-4-	-5-	-6-	More than one department	Total
1-4	69 / 71.00 0.97 [0.76 - 1.23]	3 / 1.96 1.53 [0.32 - 4.46]	141 / 112.47 1.25 [1.06 - 1.48]	19 / 16.49 1.15 [0.69 - 1.80]	182 / 240.92 0.76 [0.65 - 0.87]	83 / 52.50 1.58 [1.26 - 1.96]	57 / 86.59 0.66 [0.50 - 0.85]	554 / 581.92 0.95 [0.87 - 1.03]
5-9	34 / 36.67 0.93 [0.64 - 1.30]	0 / 0.85 0 [0.00 - 4.35]	61 / 53.17 1.15 [0.88 - 1.47]	12 / 6.87 1.75 [0.90 - 3.05]	101 / 133.17 0.76 [0.62 - 0.92]	33 / 22.69 1.45 [1.00 - 2.04]	55 / 81.57 0.67 [0.51 - 0.88]	296 / 334.99 0.88 [0.79 - 0.99]
10-14	17 / 24.53 0.69 [0.40 - 1.11]	1 / 0.55 1.8 [0.05 - 10.1]	17 / 33.52 0.51 [0.30 - 0.81]	2 / 3.36 0.59 [0.07 - 2.15]	53 / 87.48 0.61 [0.45 - 0.79]	10 / 11.46 0.87 [0.42 - 1.60]	60 / 63.59 0.94 [0.72 - 1.21]	160 / 224.49 0.71 [0.61 - 0.83]
15-19	18 / 20.47 0.88 [0.52 - 1.39]	0 / 0.43 0 [0.00 - 8.51]	17 / 26.81 0.63 [0.37 - 1.02]	1 / 1.59 0.63 [0.02 - 3.50]	49 / 69.01 0.71 [0.53 - 0.94]	3 / 7.40 0.41 [0.08 - 1.19]	52 / 53.95 0.96 [0.72 - 1.26]	140 / 179.67 0.78 [0.66 - 0.92]
20-24	16 / 15.29 1.05 [0.60 - 1.70]	0 / 0.34 0 [0.00 - 10.9]	18 / 20.75 0.87 [0.51 - 1.37]	0 / 0.97 0 [0.00 - 3.79]	40 / 51.33 0.78 [0.56 - 1.06]	4 / 4.31 0.93 [0.25 - 2.38]	24 / 46.71 0.51 [0.33 - 0.76]	102 / 139.69 0.73 [0.60 - 0.89]
25-29	8 / 13.02 0.61 [0.27 - 1.21]	0 / 0.23 0 [0.00 - 16.2]	12 / 15.29 0.78 [0.41 - 1.37]	0 / 0.65 0 [0.00 - 5.66]	20 / 40.46 0.49 [0.30 - 0.76]	2 / 2.98 0.67 [0.08 - 2.42]	32 / 39.61 0.81 [0.55 - 1.14]	74 / 112.24 0.66 [0.52 - 0.83]
> 30	29 / 29.64 0.98 [0.66 - 1.41]	0 / 0.36 0 [0.00 - 10.2]	30 / 33.78 0.89 [0.60 - 1.27]	1 / 1.04 0.96 [0.02 - 5.34]	51 / 81.21 0.63 [0.47 - 0.83]	5 / 4.89 1.02 [0.33 - 2.39]	78 / 80.78 0.97 [0.76 - 1.21]	194 / 231.70 0.84 [0.72 - 0.96]
Total	191 / 210.60 0.91 [0.78 - 1.05]	4 / 4.73 0.85 [0.23 - 2.17]	296 / 295.78 1 [0.89 - 1.12]	35 / 30.98 1.13 [0.79 - 1.57]	496 / 703.58 0.7 [0.64 - 0.77]	140 / 106.24 1.32 [1.11 - 1.56]	358 / 452.80 0.79 [0.71 - 0.88]	1520 / 1804.71 0.84 [0.80 - 0.89]

Table 2.8.2

Mortality from selected causes of death by employment in only one department and duration of employment

TOTAL COHORT
Women

ALL CAUSES

employment in only one department

duration of employment(years)	-1-	-2-	-3-	-4-	-5-	-6-	More than one department	Total
1-4	22 / 27.36 0.8 [0.50 - 1.22]	1 / 0.31 3.26 [0.08 - 18.2]	208 / 211.47 0.98 [0.85 - 1.13]	22 / 21.90 1 [0.63 - 1.52]	107 / 138.09 0.77 [0.64 - 0.94]	46 / 44.40 1.04 [0.76 - 1.38]	9 / 27.63 0.33 [0.15 - 0.62]	415 / 471.15 0.88 [0.80 - 0.97]
5-9	43 / 60.47 0.71 [0.51 - 0.96]	0 / 0.05 0 [0.00 - 71.6]	131 / 127.73 1.03 [0.86 - 1.22]	14 / 16.98 0.82 [0.45 - 1.38]	81 / 104.26 0.78 [0.62 - 0.97]	21 / 19.65 1.07 [0.66 - 1.63]	36 / 46.21 0.78 [0.55 - 1.08]	326 / 375.37 0.87 [0.78 - 0.97]
10-14	16 / 24.65 0.65 [0.37 - 1.05]	0 / 0.04 0 [0.00 - 97.5]	91 / 74.99 1.21 [0.98 - 1.49]	8 / 8.50 0.94 [0.41 - 1.85]	74 / 81.82 0.9 [0.71 - 1.14]	7 / 8.63 0.81 [0.33 - 1.67]	52 / 53.65 0.97 [0.72 - 1.27]	248 / 252.28 0.98 [0.86 - 1.11]
15-19	48 / 55.62 0.86 [0.64 - 1.14]	0 / 0.03 0 [0.00 - 0148]	68 / 63.88 1.06 [0.83 - 1.35]	4 / 7.11 0.56 [0.15 - 1.44]	42 / 62.74 0.67 [0.48 - 0.90]	3 / 4.23 0.71 [0.15 - 2.07]	39 / 62.96 0.62 [0.44 - 0.85]	204 / 256.56 0.8 [0.69 - 0.91]
20-24	21 / 19.37 1.08 [0.67 - 1.66]	0 / 0.00 . [. - .]	44 / 43.84 1 [0.73 - 1.35]	2 / 6.51 0.31 [0.04 - 1.11]	21 / 50.12 0.42 [0.26 - 0.64]	3 / 1.80 1.67 [0.34 - 4.88]	47 / 63.90 0.74 [0.54 - 0.98]	138 / 185.54 0.74 [0.62 - 0.88]
25-29	11 / 10.69 1.03 [0.51 - 1.84]	0 / 0.00 . [. - .]	39 / 38.38 1.02 [0.72 - 1.39]	5 / 4.40 1.14 [0.37 - 2.65]	18 / 24.93 0.72 [0.43 - 1.14]	1 / 0.77 1.3 [0.03 - 7.24]	44 / 48.00 0.92 [0.67 - 1.23]	118 / 127.17 0.93 [0.77 - 1.11]
> 30	15 / 15.53 0.97 [0.54 - 1.59]	0 / 0.00 . [. - .]	106 / 104.30 1.02 [0.83 - 1.23]	7 / 9.07 0.77 [0.31 - 1.59]	29 / 32.11 0.9 [0.60 - 1.30]	1 / 2.81 0.36 [0.01 - 1.98]	108 / 108.02 1 [0.82 - 1.21]	266 / 271.84 0.98 [0.86 - 1.10]
Total	176 / 213.70 0.82 [0.71 - 0.95]	1 / 0.42 2.38 [0.06 - 13.2]	687 / 664.59 1.03 [0.96 - 1.11]	62 / 74.47 0.83 [0.64 - 1.07]	372 / 494.07 0.75 [0.68 - 0.83]	82 / 82.29 1 [0.79 - 1.24]	335 / 410.37 0.82 [0.73 - 0.91]	1715 / 1939.91 0.88 [0.84 - 0.93]

ALL MALIGNANT NEOPLASMS (140-208)

employment in only one department

duration of employment(years)	-1-	-2-	-3-	-4-	-5-	-6-	More than one department	Total
1-4	6 / 7.63 0.79 [0.29 - 1.71]	1 / 0.11 9.08 [0.23 - 50.6]	66 / 73.02 0.9 [0.70 - 1.15]	10 / 7.96 1.26 [0.60 - 2.31]	31 / 42.15 0.74 [0.50 - 1.04]	16 / 14.76 1.08 [0.62 - 1.76]	4 / 8.12 0.49 [0.13 - 1.26]	134 / 153.75 0.87 [0.73 - 1.03]
5-9	11 / 14.47 0.76 [0.38 - 1.36]	0 / 0.01 0 [0.00 - 0272]	51 / 42.16 1.21 [0.90 - 1.59]	4 / 6.07 0.66 [0.18 - 1.69]	27 / 31.38 0.86 [0.57 - 1.25]	8 / 6.27 1.28 [0.55 - 2.51]	9 / 12.97 0.69 [0.32 - 1.32]	110 / 113.33 0.97 [0.80 - 1.17]
10-14	3 / 5.84 0.51 [0.11 - 1.50]	0 / 0.01 0 [0.00 - 0315]	30 / 23.93 1.25 [0.85 - 1.79]	4 / 3.16 1.26 [0.34 - 3.24]	30 / 23.46 1.28 [0.86 - 1.83]	4 / 3.17 1.26 [0.34 - 3.23]	15 / 15.00 1 [0.56 - 1.65]	86 / 74.58 1.15 [0.92 - 1.42]
15-19	18 / 11.59 1.55 [0.92 - 2.46]	0 / 0.01 0 [0.00 - 0426]	20 / 18.97 1.05 [0.64 - 1.63]	1 / 2.61 0.38 [0.01 - 2.13]	17 / 17.88 0.95 [0.55 - 1.52]	2 / 1.71 1.17 [0.14 - 4.21]	12 / 16.13 0.74 [0.38 - 1.30]	70 / 68.91 1.02 [0.79 - 1.28]
20-24	4 / 4.48 0.89 [0.24 - 2.29]	0 / 0.00 . [. - .]	14 / 12.24 1.14 [0.63 - 1.92]	0 / 2.06 0 [0.00 - 1.79]	6 / 12.61 0.48 [0.17 - 1.04]	2 / 0.79 2.52 [0.31 - 9.12]	8 / 15.35 0.52 [0.22 - 1.03]	34 / 47.53 0.72 [0.50 - 1.00]
25-29	2 / 2.60 0.77 [0.09 - 2.78]	0 / 0.00 . [. - .]	12 / 10.08 1.19 [0.61 - 2.08]	1 / 1.33 0.75 [0.02 - 4.18]	6 / 7.43 0.81 [0.30 - 1.76]	0 / 0.33 0 [0.00 - 11.3]	10 / 12.21 0.82 [0.39 - 1.51]	31 / 33.98 0.91 [0.62 - 1.29]
> 30	1 / 3.32 0.3 [0.01 - 1.68]	0 / 0.00 . [. - .]	26 / 24.99 1.04 [0.68 - 1.52]	4 / 2.55 1.57 [0.43 - 4.02]	6 / 9.86 0.61 [0.22 - 1.32]	1 / 0.89 1.13 [0.03 - 6.29]	27 / 26.71 1.01 [0.67 - 1.47]	65 / 68.31 0.95 [0.73 - 1.21]
Total	45 / 49.93 0.9 [0.66 - 1.21]	1 / 0.14 6.94 [0.17 - 38.7]	219 / 205.38 1.07 [0.93 - 1.22]	24 / 25.74 0.93 [0.60 - 1.39]	123 / 144.78 0.85 [0.71 - 1.01]	33 / 27.92 1.18 [0.81 - 1.66]	85 / 106.49 0.8 [0.64 - 0.99]	530 / 560.39 0.95 [0.87 - 1.03]

Table 2.8.2

Mortality from selected causes of death by employment in only one department and duration of employment

Stomach (151)

employment in only one department								
duration of employment(years)	-1-	-2-	-3-	-4-	-5-	-6-	More than one department	Total
1-4	0 / 0.64 0 [0.00 - 5.76]	0 / 0.01 0 [0.00 - 0677]	2 / 3.69 0.54 [0.07 - 1.96]	0 / 0.34 0 [0.00 - 11.0]	1 / 2.80 0.36 [0.01 - 1.99]	0 / 0.65 0 [0.00 - 5.69]	1 / 0.56 1.78 [0.04 - 9.90]	4 / 8.67 0.46 [0.13 - 1.18]
5-9	1 / 1.49 0.67 [0.02 - 3.73]	0 / 0.00 0 [0.00 - 4761]	1 / 2.43 0.41 [0.01 - 2.29]	0 / 0.29 0 [0.00 - 12.5]	0 / 2.22 0 [0.00 - 1.67]	0 / 0.28 0 [0.00 - 13.2]	1 / 1.03 0.97 [0.02 - 5.43]	3 / 7.74 0.39 [0.08 - 1.13]
10-14	0 / 0.61 0 [0.00 - 6.01]	0 / 0.00 0 [0.00 - 5443]	1 / 1.48 0.68 [0.02 - 3.76]	0 / 0.16 0 [0.00 - 23.4]	0 / 1.76 0 [0.00 - 2.09]	0 / 0.13 0 [0.00 - 27.7]	1 / 1.23 0.81 [0.02 - 4.53]	2 / 5.38 0.37 [0.05 - 1.34]
15-19	3 / 1.42 2.11 [0.43 - 6.15]	0 / 0.00 0 [0.00 - 8118]	3 / 1.28 2.34 [0.48 - 6.84]	0 / 0.12 0 [0.00 - 30.2]	0 / 1.32 0 [0.00 - 2.79]	0 / 0.07 0 [0.00 - 56.3]	2 / 1.38 1.45 [0.18 - 5.24]	8 / 5.60 1.43 [0.62 - 2.82]
20-24	2 / 0.47 4.28 [0.52 - 15.4]	0 / 0.00 . [. - .]	3 / 0.94 3.2 [0.66 - 9.34]	0 / 0.11 0 [0.00 - 34.6]	1 / 0.95 1.05 [0.03 - 5.86]	0 / 0.02 0 [0.00 - 0149]	0 / 1.40 0 [0.00 - 2.63]	6 / 3.89 1.54 [0.57 - 3.36]
25-29	0 / 0.26 0 [0.00 - 14.1]	0 / 0.00 . [. - .]	1 / 0.91 1.1 [0.03 - 6.13]	0 / 0.07 0 [0.00 - 49.5]	0 / 0.52 0 [0.00 - 7.14]	0 / 0.01 0 [0.00 - 0318]	1 / 1.06 0.94 [0.02 - 5.24]	2 / 2.84 0.7 [0.09 - 2.55]
> 30	0 / 0.38 0 [0.00 - 9.59]	0 / 0.00 . [. - .]	4 / 2.32 1.73 [0.47 - 4.42]	0 / 0.14 0 [0.00 - 26.9]	1 / 0.72 1.39 [0.03 - 7.73]	0 / 0.05 0 [0.00 - 77.2]	2 / 2.29 0.87 [0.11 - 3.15]	7 / 5.90 1.19 [0.48 - 2.44]
Total	6 / 5.29 1.13 [0.42 - 2.47]	0 / 0.01 0 [0.00 - 0502]	15 / 13.04 1.15 [0.64 - 1.90]	0 / 1.23 0 [0.00 - 3.00]	3 / 10.28 0.29 [0.06 - 0.85]	0 / 1.21 0 [0.00 - 3.05]	8 / 8.96 0.89 [0.39 - 1.76]	32 / 40.01 0.8 [0.55 - 1.13]

Lung (162)

employment in only one department								
duration of employment(years)	-1-	-2-	-3-	-4-	-5-	-6-	More than one department	Total
1-4	0 / 0.49 0 [0.00 - 7.49]	0 / 0.01 0 [0.00 - 0280]	18 / 8.77 2.05 [1.22 - 3.24]	0 / 0.84 0 [0.00 - 4.41]	4 / 3.14 1.27 [0.35 - 3.26]	3 / 1.75 1.72 [0.35 - 5.02]	0 / 0.61 0 [0.00 - 6.07]	25 / 15.62 1.6 [1.04 - 2.36]
5-9	1 / 0.93 1.08 [0.03 - 6.00]	0 / 0.00 0 [0.00 - 7393]	8 / 4.98 1.61 [0.69 - 3.17]	2 / 0.57 3.5 [0.42 - 12.7]	2 / 2.57 0.78 [0.09 - 2.81]	3 / 0.72 4.16 [0.86 - 12.2]	3 / 0.94 3.18 [0.66 - 9.28]	19 / 10.72 1.77 [1.07 - 2.77]
10-14	0 / 0.35 0 [0.00 - 10.6]	0 / 0.00 0 [0.00 - 7326]	2 / 2.69 0.74 [0.09 - 2.68]	0 / 0.27 0 [0.00 - 13.8]	4 / 1.96 2.04 [0.56 - 5.22]	0 / 0.42 0 [0.00 - 8.83]	0 / 1.11 0 [0.00 - 3.34]	6 / 6.79 0.88 [0.32 - 1.92]
15-19	1 / 0.71 1.41 [0.04 - 7.86]	0 / 0.00 0 [0.00 - 8020]	4 / 2.04 1.96 [0.53 - 5.01]	0 / 0.26 0 [0.00 - 14.3]	1 / 1.44 0.7 [0.02 - 3.88]	0 / 0.23 0 [0.00 - 16.2]	1 / 1.20 0.83 [0.02 - 4.63]	7 / 5.88 1.19 [0.48 - 2.45]
20-24	0 / 0.28 0 [0.00 - 13.0]	0 / 0.00 . [. - .]	0 / 1.21 0 [0.00 - 3.05]	0 / 0.17 0 [0.00 - 22.0]	1 / 0.98 1.02 [0.03 - 5.71]	0 / 0.12 0 [0.00 - 31.1]	1 / 1.10 0.91 [0.02 - 5.07]	2 / 3.85 0.52 [0.06 - 1.88]
25-29	1 / 0.17 5.94 [0.15 - 33.1]	0 / 0.00 . [. - .]	1 / 0.89 1.13 [0.03 - 6.30]	0 / 0.09 0 [0.00 - 42.9]	0 / 0.60 0 [0.00 - 6.13]	0 / 0.04 0 [0.00 - 87.7]	3 / 0.93 3.24 [0.67 - 9.47]	5 / 2.71 1.85 [0.60 - 4.31]
> 30	0 / 0.20 0 [0.00 - 18.8]	0 / 0.00 . [. - .]	0 / 2.17 0 [0.00 - 1.70]	0 / 0.15 0 [0.00 - 24.9]	0 / 0.77 0 [0.00 - 4.81]	0 / 0.05 0 [0.00 - 76.3]	2 / 2.05 0.97 [0.12 - 3.52]	2 / 5.39 0.37 [0.04 - 1.34]
Total	3 / 3.13 0.96 [0.20 - 2.80]	0 / 0.01 0 [0.00 - 0252]	33 / 22.75 1.45 [1.00 - 2.04]	2 / 2.33 0.86 [0.10 - 3.09]	12 / 11.46 1.05 [0.54 - 1.83]	6 / 3.32 1.81 [0.66 - 3.93]	10 / 7.94 1.26 [0.60 - 2.32]	66 / 50.95 1.3 [1.00 - 1.65]

Table 2.8.2

Mortality from selected causes of death by employment in only one department and duration of employment

Lymphatic & hematopoietic tissue (200-208)

employment in only one department								
duration of employment(years)	-1-	-2-	-3-	-4-	-5-	-6-	More than one department	Total
1-4	0 / 0.69 0 [0.00 - 5.32]	0 / 0.01 0 [0.00 - 0.432]	5 / 5.47 0.91 [0.30 - 2.13]	0 / 0.71 0 [0.00 - 5.22]	0 / 3.70 0 [0.00 - 1.00]	0 / 0.99 0 [0.00 - 3.71]	0 / 0.84 0 [0.00 - 4.40]	5 / 12.42 0.4 [0.13 - 0.94]
5-9	0 / 1.16 0 [0.00 - 3.18]	0 / 0.00 0 [0.00 - 1807]	6 / 3.04 1.97 [0.72 - 4.29]	0 / 0.48 0 [0.00 - 7.75]	2 / 2.52 0.79 [0.10 - 2.87]	1 / 0.41 2.42 [0.06 - 13.5]	2 / 1.14 1.76 [0.21 - 6.36]	11 / 8.75 1.26 [0.63 - 2.25]
10-14	0 / 0.49 0 [0.00 - 7.50]	0 / 0.00 0 [0.00 - 2903]	3 / 1.68 1.79 [0.37 - 5.22]	2 / 0.24 8.47 [1.02 - 30.6]	1 / 1.85 0.54 [0.01 - 3.01]	2 / 0.20 9.85 [1.19 - 35.6]	0 / 1.23 0 [0.00 - 3.00]	8 / 5.69 1.4 [0.61 - 2.77]
15-19	1 / 0.90 1.11 [0.03 - 6.17]	0 / 0.00 0 [0.00 - 5152]	1 / 1.34 0.75 [0.02 - 4.16]	0 / 0.18 0 [0.00 - 20.0]	0 / 1.44 0 [0.00 - 2.57]	1 / 0.11 9 [0.23 - 50.2]	0 / 1.32 0 [0.00 - 2.80]	3 / 5.29 0.57 [0.12 - 1.66]
20-24	0 / 0.38 0 [0.00 - 9.61]	0 / 0.00 . [. - .]	0 / 0.85 0 [0.00 - 4.36]	0 / 0.16 0 [0.00 - 23.2]	0 / 1.02 0 [0.00 - 3.61]	0 / 0.05 0 [0.00 - 77.7]	0 / 1.26 0 [0.00 - 2.93]	0 / 3.72 0 [0.00 - 0.99]
25-29	0 / 0.22 0 [0.00 - 16.9]	0 / 0.00 . [. - .]	1 / 0.70 1.44 [0.04 - 8.00]	0 / 0.10 0 [0.00 - 35.3]	1 / 0.60 1.68 [0.04 - 9.34]	0 / 0.02 0 [0.00 - 0185]	1 / 0.92 1.09 [0.03 - 6.08]	3 / 2.55 1.18 [0.24 - 3.44]
> 30	0 / 0.29 0 [0.00 - 12.9]	0 / 0.00 . [. - .]	2 / 1.82 1.1 [0.13 - 3.98]	0 / 0.19 0 [0.00 - 19.7]	1 / 0.76 1.31 [0.03 - 7.30]	0 / 0.07 0 [0.00 - 53.7]	2 / 2.13 0.94 [0.11 - 3.39]	5 / 5.25 0.95 [0.31 - 2.22]
Total	1 / 4.14 0.24 [0.01 - 1.35]	0 / 0.01 0 [0.00 - 0294]	18 / 14.89 1.21 [0.72 - 1.91]	2 / 2.05 0.97 [0.12 - 3.52]	5 / 11.89 0.42 [0.14 - 0.98]	4 / 1.86 2.15 [0.59 - 5.51]	5 / 8.83 0.57 [0.18 - 1.32]	35 / 43.68 0.8 [0.56 - 1.11]

Ischaemic heart disease (410-414)

employment in only one department								
duration of employment(years)	-1-	-2-	-3-	-4-	-5-	-6-	More than one department	Total
1-4	4 / 5.38 0.74 [0.20 - 1.90]	0 / 0.02 0 [0.00 - 0167]	45 / 34.49 1.3 [0.95 - 1.75]	4 / 2.23 1.8 [0.49 - 4.60]	21 / 20.56 1.02 [0.63 - 1.56]	5 / 8.12 0.62 [0.20 - 1.44]	1 / 3.26 0.31 [0.01 - 1.71]	80 / 74.05 1.08 [0.86 - 1.34]
5-9	8 / 10.15 0.79 [0.34 - 1.55]	0 / 0.00 0 [0.00 - 2402]	31 / 22.49 1.38 [0.94 - 1.96]	4 / 2.51 1.59 [0.43 - 4.07]	13 / 18.59 0.7 [0.37 - 1.20]	4 / 4.11 0.97 [0.27 - 2.49]	5 / 7.98 0.63 [0.20 - 1.46]	65 / 65.84 0.99 [0.76 - 1.26]
10-14	5 / 5.43 0.92 [0.30 - 2.15]	0 / 0.00 0 [0.00 - 2531]	18 / 14.99 1.2 [0.71 - 1.90]	1 / 1.22 0.82 [0.02 - 4.56]	6 / 16.48 0.36 [0.13 - 0.79]	0 / 1.32 0 [0.00 - 2.80]	8 / 10.76 0.74 [0.32 - 1.47]	38 / 50.20 0.76 [0.54 - 1.04]
15-19	9 / 10.10 0.89 [0.41 - 1.69]	0 / 0.00 0 [0.00 - 2704]	16 / 13.73 1.17 [0.67 - 1.89]	1 / 1.09 0.91 [0.02 - 5.09]	8 / 13.19 0.61 [0.26 - 1.19]	0 / 0.58 0 [0.00 - 6.38]	11 / 14.09 0.78 [0.39 - 1.40]	45 / 52.78 0.85 [0.62 - 1.14]
20-24	7 / 4.73 1.48 [0.60 - 3.05]	0 / 0.00 . [. - .]	3 / 9.62 0.31 [0.06 - 0.91]	1 / 1.15 0.87 [0.02 - 4.86]	4 / 11.29 0.35 [0.10 - 0.91]	0 / 0.20 0 [0.00 - 18.7]	19 / 15.59 1.22 [0.73 - 1.90]	34 / 42.57 0.8 [0.55 - 1.12]
25-29	2 / 2.54 0.79 [0.10 - 2.84]	0 / 0.00 . [. - .]	10 / 8.65 1.16 [0.55 - 2.13]	2 / 0.92 2.18 [0.26 - 7.89]	5 / 5.23 0.96 [0.31 - 2.23]	0 / 0.07 0 [0.00 - 50.4]	13 / 11.91 1.09 [0.58 - 1.87]	32 / 29.32 1.09 [0.75 - 1.54]
> 30	7 / 3.79 1.85 [0.74 - 3.80]	0 / 0.00 . [. - .]	25 / 25.64 0.98 [0.63 - 1.44]	0 / 1.33 0 [0.00 - 2.78]	5 / 6.01 0.83 [0.27 - 1.94]	0 / 0.34 0 [0.00 - 10.8]	35 / 27.89 1.25 [0.87 - 1.75]	72 / 65.00 1.11 [0.87 - 1.39]
Total	42 / 42.12 1 [0.72 - 1.35]	0 / 0.03 0 [0.00 - 0139]	148 / 129.60 1.14 [0.97 - 1.34]	13 / 10.45 1.24 [0.66 - 2.13]	62 / 91.35 0.68 [0.52 - 0.87]	9 / 14.74 0.61 [0.28 - 1.16]	92 / 91.47 1.01 [0.81 - 1.23]	366 / 379.77 0.96 [0.87 - 1.07]

Table 2.8.2

Mortality from selected causes of death by employment in only one department and duration of employment

DIS. OF RESPIRATORY SYSTEM (460-519)

employment in only one department								
duration of employment(years)	-1-	-2-	-3-	-4-	-5-	-6-	More than one department	Total
1-4	2 / 1.55 1.29 [0.16 - 4.66]	0 / 0.01 0 [0.00 - 0280]	16 / 13.95 1.15 [0.66 - 1.86]	0 / 0.98 0 [0.00 - 3.75]	8 / 7.79 1.03 [0.44 - 2.02]	3 / 2.41 1.24 [0.26 - 3.64]	0 / 1.24 0 [0.00 - 2.97]	29 / 27.94 1.04 [0.70 - 1.49]
5-9	2 / 3.74 0.54 [0.06 - 1.93]	0 / 0.00 0 [0.00 - 2122]	8 / 8.88 0.9 [0.39 - 1.78]	0 / 0.82 0 [0.00 - 4.51]	5 / 6.32 0.79 [0.26 - 1.85]	1 / 1.10 0.91 [0.02 - 5.05]	2 / 2.36 0.85 [0.10 - 3.07]	18 / 23.21 0.78 [0.46 - 1.23]
10-14	0 / 1.50 0 [0.00 - 2.45]	0 / 0.00 0 [0.00 - 3175]	4 / 5.11 0.78 [0.21 - 2.00]	0 / 0.36 0 [0.00 - 10.2]	4 / 5.28 0.76 [0.21 - 1.94]	0 / 0.49 0 [0.00 - 7.51]	5 / 2.92 1.71 [0.56 - 3.99]	13 / 15.67 0.83 [0.44 - 1.42]
15-19	0 / 3.28 0 [0.00 - 1.12]	0 / 0.00 0 [0.00 - 5463]	9 / 4.56 1.98 [0.90 - 3.75]	0 / 0.36 0 [0.00 - 10.3]	2 / 4.17 0.48 [0.06 - 1.73]	0 / 0.23 0 [0.00 - 16.2]	1 / 3.72 0.27 [0.01 - 1.50]	12 / 16.32 0.74 [0.38 - 1.28]
20-24	2 / 1.09 1.84 [0.22 - 6.64]	0 / 0.00 . [. - .]	5 / 3.01 1.66 [0.54 - 3.88]	0 / 0.36 0 [0.00 - 10.4]	2 / 3.60 0.56 [0.07 - 2.01]	0 / 0.10 0 [0.00 - 36.8]	2 / 3.74 0.54 [0.06 - 1.93]	11 / 11.89 0.93 [0.46 - 1.66]
25-29	1 / 0.60 1.67 [0.04 - 9.31]	0 / 0.00 . [. - .]	4 / 2.64 1.52 [0.41 - 3.88]	0 / 0.22 0 [0.00 - 16.5]	1 / 1.60 0.62 [0.02 - 3.48]	0 / 0.04 0 [0.00 - 94.8]	4 / 2.75 1.45 [0.40 - 3.72]	10 / 7.85 1.27 [0.61 - 2.34]
> 30	0 / 0.95 0 [0.00 - 3.89]	0 / 0.00 . [. - .]	6 / 7.44 0.81 [0.30 - 1.76]	1 / 0.48 2.07 [0.05 - 11.5]	0 / 1.82 0 [0.00 - 2.03]	0 / 0.13 0 [0.00 - 27.7]	7 / 6.26 1.12 [0.45 - 2.31]	14 / 17.07 0.82 [0.45 - 1.38]
Total	7 / 12.71 0.55 [0.22 - 1.13]	0 / 0.02 0 [0.00 - 0220]	52 / 45.58 1.14 [0.85 - 1.50]	1 / 3.59 0.28 [0.01 - 1.55]	22 / 30.57 0.72 [0.45 - 1.09]	4 / 4.51 0.89 [0.24 - 2.27]	21 / 22.98 0.91 [0.57 - 1.40]	107 / 119.95 0.89 [0.73 - 1.08]

EXTERNAL CAUSES (E800-999)

employment in only one department								
duration of employment(years)	-1-	-2-	-3-	-4-	-5-	-6-	More than one department	Total
1-4	1 / 1.97 0.51 [0.01 - 2.83]	0 / 0.04 0 [0.00 - 83.2]	18 / 18.14 0.99 [0.59 - 1.57]	1 / 3.56 0.28 [0.01 - 1.57]	13 / 13.73 0.95 [0.50 - 1.62]	4 / 3.96 1.01 [0.28 - 2.59]	1 / 4.25 0.24 [0.01 - 1.31]	38 / 45.65 0.83 [0.59 - 1.14]
5-9	0 / 2.54 0 [0.00 - 1.45]	0 / 0.01 0 [0.00 - 0278]	3 / 8.79 0.34 [0.07 - 1.00]	1 / 1.74 0.57 [0.01 - 3.20]	4 / 7.44 0.54 [0.15 - 1.38]	1 / 1.43 0.7 [0.02 - 3.90]	5 / 4.44 1.13 [0.37 - 2.63]	14 / 26.40 0.53 [0.29 - 0.89]
10-14	1 / 1.05 0.95 [0.02 - 5.31]	0 / 0.01 0 [0.00 - 0449]	2 / 4.28 0.47 [0.06 - 1.69]	0 / 0.81 0 [0.00 - 4.56]	4 / 4.69 0.85 [0.23 - 2.18]	2 / 0.60 3.35 [0.41 - 12.1]	5 / 3.97 1.26 [0.41 - 2.94]	14 / 15.40 0.91 [0.50 - 1.53]
15-19	0 / 2.00 0 [0.00 - 1.84]	0 / 0.00 0 [0.00 - 0802]	4 / 3.05 1.31 [0.36 - 3.36]	0 / 0.52 0 [0.00 - 7.15]	5 / 3.31 1.51 [0.49 - 3.52]	1 / 0.29 3.4 [0.09 - 19.0]	2 / 3.69 0.54 [0.07 - 1.96]	12 / 12.87 0.93 [0.48 - 1.63]
20-24	1 / 0.73 1.37 [0.03 - 7.61]	0 / 0.00 . [. - .]	3 / 2.04 1.47 [0.30 - 4.30]	0 / 0.37 0 [0.00 - 9.85]	1 / 2.35 0.43 [0.01 - 2.37]	0 / 0.14 0 [0.00 - 26.9]	2 / 3.14 0.64 [0.08 - 2.30]	7 / 8.77 0.8 [0.32 - 1.64]
25-29	1 / 0.42 2.37 [0.06 - 13.2]	0 / 0.00 . [. - .]	0 / 1.71 0 [0.00 - 2.15]	0 / 0.23 0 [0.00 - 15.8]	2 / 1.23 1.62 [0.20 - 5.85]	0 / 0.06 0 [0.00 - 65.2]	2 / 2.46 0.81 [0.10 - 2.94]	5 / 6.12 0.82 [0.27 - 1.91]
> 30	0 / 0.57 0 [0.00 - 6.47]	0 / 0.00 . [. - .]	5 / 3.77 1.33 [0.43 - 3.09]	1 / 0.53 1.89 [0.05 - 10.5]	4 / 1.56 2.57 [0.70 - 6.58]	0 / 0.16 0 [0.00 - 23.1]	2 / 4.59 0.44 [0.05 - 1.57]	12 / 11.18 1.07 [0.55 - 1.88]
Total	4 / 9.28 0.43 [0.12 - 1.10]	0 / 0.07 0 [0.00 - 52.4]	35 / 41.78 0.84 [0.58 - 1.16]	3 / 7.76 0.39 [0.08 - 1.13]	33 / 34.32 0.96 [0.66 - 1.35]	8 / 6.63 1.21 [0.52 - 2.38]	19 / 26.53 0.72 [0.43 - 1.12]	102 / 126.38 0.81 [0.66 - 0.98]

Table 2.8.3

Mortality from selected causes of death by employment in only one department and duration of employment

TOTAL COHORT Excluding Brazil,South Africa

ALL CAUSES

employment in only one department								
duration of employment(years)	-1-	-2-	-3-	-4-	-5-	-6-	More than one department	Total
1-4	509 / 471.15 1.08 [0.99 - 1.18]	13 / 13.81 0.94 [0.50 - 1.61]	848 / 805.34 1.05 [0.98 - 1.13]	117 / 107.69 1.09 [0.90 - 1.30]	1033 / 1184.49 0.87 [0.82 - 0.93]	625 / 490.73 1.27 [1.18 - 1.38]	217 / 317.27 0.68 [0.60 - 0.78]	3362 / 3390.49 0.99 [0.96 - 1.03]
5-9	377 / 399.17 0.94 [0.85 - 1.04]	2 / 6.72 0.3 [0.04 - 1.08]	547 / 530.60 1.03 [0.95 - 1.12]	87 / 81.93 1.06 [0.85 - 1.31]	797 / 910.42 0.88 [0.82 - 0.94]	345 / 269.98 1.28 [1.15 - 1.42]	307 / 399.80 0.77 [0.68 - 0.86]	2462 / 2598.62 0.95 [0.91 - 0.99]
10-14	255 / 302.63 0.84 [0.74 - 0.95]	4 / 6.30 0.64 [0.17 - 1.63]	384 / 382.19 1 [0.91 - 1.11]	42 / 45.61 0.92 [0.66 - 1.24]	694 / 821.51 0.84 [0.78 - 0.91]	171 / 162.44 1.05 [0.90 - 1.22]	395 / 420.09 0.94 [0.85 - 1.04]	1945 / 2140.76 0.91 [0.87 - 0.95]
15-19	322 / 350.12 0.92 [0.82 - 1.03]	4 / 4.29 0.93 [0.25 - 2.39]	353 / 369.67 0.95 [0.86 - 1.06]	20 / 19.56 1.02 [0.62 - 1.58]	643 / 814.24 0.79 [0.73 - 0.85]	99 / 118.34 0.84 [0.68 - 1.02]	402 / 509.07 0.79 [0.71 - 0.87]	1843 / 2185.31 0.84 [0.81 - 0.88]
20-24	272 / 256.86 1.06 [0.94 - 1.19]	2 / 3.27 0.61 [0.07 - 2.21]	276 / 299.14 0.92 [0.82 - 1.04]	8 / 13.15 0.61 [0.26 - 1.20]	569 / 717.91 0.79 [0.73 - 0.86]	56 / 70.51 0.79 [0.60 - 1.03]	436 / 548.51 0.79 [0.72 - 0.87]	1619 / 1909.34 0.85 [0.81 - 0.89]
25-29	224 / 246.73 0.91 [0.79 - 1.03]	2 / 1.65 1.21 [0.15 - 4.39]	234 / 243.97 0.96 [0.84 - 1.09]	9 / 10.17 0.88 [0.40 - 1.68]	543 / 629.59 0.86 [0.79 - 0.94]	42 / 56.81 0.74 [0.53 - 1.00]	472 / 540.64 0.87 [0.80 - 0.96]	1526 / 1729.56 0.88 [0.84 - 0.93]
> 30	666 / 704.33 0.95 [0.88 - 1.02]	4 / 7.49 0.53 [0.15 - 1.37]	769 / 825.76 0.93 [0.87 - 1.00]	22 / 25.26 0.87 [0.55 - 1.32]	1529 / 1690.94 0.9 [0.86 - 0.95]	107 / 108.87 0.98 [0.81 - 1.19]	1553 / 1666.63 0.93 [0.89 - 0.98]	4650 / 5029.27 0.92 [0.90 - 0.95]
Total	2625 / 2731.00 0.96 [0.92 - 1.00]	31 / 43.52 0.71 [0.48 - 1.01]	3411 / 3456.67 0.99 [0.95 - 1.02]	305 / 303.37 1.01 [0.90 - 1.12]	5808 / 6769.10 0.86 [0.84 - 0.88]	1445 / 1277.68 1.13 [1.07 - 1.19]	3782 / 4402.02 0.86 [0.83 - 0.89]	17407 / 18983.35 0.92 [0.90 - 0.93]

ALL MALIGNANT NEOPLASMS (140-208)

employment in only one department								
duration of employment(years)	-1-	-2-	-3-	-4-	-5-	-6-	More than one department	Total
1-4	114 / 106.24 1.07 [0.89 - 1.29]	3 / 3.51 0.86 [0.18 - 2.50]	211 / 210.27 1 [0.87 - 1.15]	35 / 29.07 1.2 [0.84 - 1.67]	249 / 266.17 0.94 [0.82 - 1.06]	151 / 132.97 1.14 [0.96 - 1.33]	51 / 63.81 0.8 [0.60 - 1.05]	814 / 812.03 1 [0.93 - 1.07]
5-9	88 / 92.14 0.96 [0.77 - 1.18]	0 / 1.60 0 [0.00 - 2.31]	154 / 138.12 1.11 [0.95 - 1.31]	20 / 23.35 0.86 [0.52 - 1.32]	191 / 210.53 0.91 [0.78 - 1.05]	98 / 74.42 1.32 [1.07 - 1.60]	57 / 86.27 0.66 [0.50 - 0.86]	608 / 626.43 0.97 [0.89 - 1.05]
10-14	66 / 70.01 0.94 [0.73 - 1.20]	2 / 1.53 1.31 [0.16 - 4.73]	92 / 99.88 0.92 [0.74 - 1.13]	10 / 13.72 0.73 [0.35 - 1.34]	185 / 192.89 0.96 [0.83 - 1.11]	58 / 48.91 1.19 [0.90 - 1.53]	98 / 95.79 1.02 [0.83 - 1.25]	511 / 522.72 0.98 [0.89 - 1.07]
15-19	79 / 77.74 1.02 [0.80 - 1.27]	2 / 1.16 1.73 [0.21 - 6.23]	95 / 92.91 1.02 [0.83 - 1.25]	5 / 6.08 0.82 [0.27 - 1.92]	143 / 190.10 0.75 [0.63 - 0.89]	34 / 34.60 0.98 [0.68 - 1.37]	106 / 116.91 0.91 [0.74 - 1.10]	464 / 519.50 0.89 [0.81 - 0.98]
20-24	55 / 59.40 0.93 [0.70 - 1.21]	1 / 0.82 1.22 [0.03 - 6.81]	78 / 76.89 1.01 [0.80 - 1.27]	3 / 3.97 0.76 [0.16 - 2.21]	151 / 168.84 0.89 [0.76 - 1.05]	20 / 22.53 0.89 [0.54 - 1.37]	99 / 129.29 0.77 [0.62 - 0.93]	407 / 461.73 0.88 [0.80 - 0.97]
25-29	45 / 57.46 0.78 [0.57 - 1.05]	0 / 0.46 0 [0.00 - 7.97]	60 / 64.84 0.93 [0.71 - 1.19]	2 / 3.17 0.63 [0.08 - 2.28]	139 / 154.02 0.9 [0.76 - 1.07]	15 / 17.72 0.85 [0.47 - 1.40]	106 / 134.73 0.79 [0.64 - 0.95]	367 / 432.40 0.85 [0.76 - 0.94]
> 30	162 / 160.65 1.01 [0.86 - 1.18]	2 / 1.99 1 [0.12 - 3.63]	173 / 208.91 0.83 [0.71 - 0.96]	10 / 7.29 1.37 [0.66 - 2.52]	370 / 411.40 0.9 [0.81 - 1.00]	30 / 29.20 1.03 [0.69 - 1.47]	365 / 409.54 0.89 [0.80 - 0.99]	1112 / 1228.98 0.9 [0.85 - 0.96]
Total	609 / 623.63 0.98 [0.90 - 1.06]	10 / 11.07 0.9 [0.43 - 1.66]	863 / 891.83 0.97 [0.90 - 1.03]	85 / 86.64 0.98 [0.78 - 1.21]	1428 / 1593.94 0.9 [0.85 - 0.94]	406 / 360.34 1.13 [1.02 - 1.24]	882 / 1036.35 0.85 [0.80 - 0.91]	4283 / 4603.79 0.93 [0.90 - 0.96]

Table 2.8.3

Mortality from selected causes of death by employment in only one department and duration of employment

Stomach (151)

employment in only one department								
duration of employment(years)	-1-	-2-	-3-	-4-	-5-	-6-	More than one department	Total
1-4	13 / 10.98 1.18 [0.63 - 2.02]	1 / 0.23 4.28 [0.11 - 23.9]	10 / 14.89 0.67 [0.32 - 1.24]	1 / 1.56 0.64 [0.02 - 3.56]	19 / 26.36 0.72 [0.43 - 1.13]	4 / 9.15 0.44 [0.12 - 1.12]	6 / 5.52 1.09 [0.40 - 2.37]	54 / 68.69 0.79 [0.59 - 1.03]
5-9	12 / 10.31 1.16 [0.60 - 2.03]	0 / 0.11 0 [0.00 - 33.4]	7 / 11.08 0.63 [0.25 - 1.30]	1 / 1.36 0.74 [0.02 - 4.10]	14 / 22.30 0.63 [0.34 - 1.05]	2 / 5.31 0.38 [0.05 - 1.36]	4 / 8.13 0.49 [0.13 - 1.26]	40 / 58.61 0.68 [0.49 - 0.93]
10-14	10 / 8.04 1.24 [0.60 - 2.29]	0 / 0.14 0 [0.00 - 27.3]	3 / 8.38 0.36 [0.07 - 1.05]	0 / 0.72 0 [0.00 - 5.14]	16 / 20.81 0.77 [0.44 - 1.25]	4 / 3.59 1.11 [0.30 - 2.85]	7 / 9.57 0.73 [0.29 - 1.51]	40 / 51.24 0.78 [0.56 - 1.06]
15-19	7 / 9.54 0.73 [0.30 - 1.51]	1 / 0.13 7.62 [0.19 - 42.5]	11 / 8.91 1.23 [0.62 - 2.21]	0 / 0.31 0 [0.00 - 11.7]	7 / 20.91 0.33 [0.13 - 0.69]	3 / 3.21 0.93 [0.19 - 2.73]	15 / 12.15 1.23 [0.69 - 2.04]	44 / 55.17 0.8 [0.58 - 1.07]
20-24	6 / 7.16 0.84 [0.31 - 1.82]	0 / 0.11 0 [0.00 - 33.3]	10 / 7.30 1.37 [0.66 - 2.52]	0 / 0.22 0 [0.00 - 17.1]	23 / 18.41 1.25 [0.79 - 1.87]	1 / 1.88 0.53 [0.01 - 2.96]	10 / 13.12 0.76 [0.37 - 1.40]	50 / 48.19 1.04 [0.77 - 1.37]
25-29	6 / 7.11 0.84 [0.31 - 1.84]	0 / 0.08 0 [0.00 - 43.8]	5 / 6.36 0.79 [0.26 - 1.83]	0 / 0.19 0 [0.00 - 19.6]	16 / 16.95 0.94 [0.54 - 1.53]	0 / 1.71 0 [0.00 - 2.16]	8 / 13.05 0.61 [0.26 - 1.21]	35 / 45.45 0.77 [0.54 - 1.07]
> 30	22 / 20.15 1.09 [0.68 - 1.65]	1 / 0.22 4.46 [0.11 - 24.8]	21 / 21.25 0.99 [0.61 - 1.51]	0 / 0.46 0 [0.00 - 8.05]	35 / 45.74 0.77 [0.53 - 1.06]	5 / 3.20 1.56 [0.51 - 3.65]	33 / 38.09 0.87 [0.60 - 1.22]	117 / 129.10 0.91 [0.75 - 1.09]
Total	76 / 73.30 1.04 [0.82 - 1.30]	3 / 1.03 2.91 [0.60 - 8.52]	67 / 78.17 0.86 [0.66 - 1.09]	2 / 4.82 0.42 [0.05 - 1.50]	130 / 171.48 0.76 [0.63 - 0.90]	19 / 28.04 0.68 [0.41 - 1.06]	83 / 99.63 0.83 [0.66 - 1.03]	380 / 456.45 0.83 [0.75 - 0.92]

Lung (162)

employment in only one department								
duration of employment(years)	-1-	-2-	-3-	-4-	-5-	-6-	More than one department	Total
1-4	24 / 22.47 1.07 [0.68 - 1.59]	0 / 1.01 0 [0.00 - 3.66]	57 / 45.84 1.24 [0.94 - 1.61]	8 / 7.08 1.13 [0.49 - 2.23]	66 / 56.51 1.17 [0.90 - 1.49]	48 / 36.98 1.3 [0.96 - 1.72]	13 / 14.88 0.87 [0.47 - 1.49]	216 / 184.77 1.17 [1.02 - 1.34]
5-9	21 / 17.95 1.17 [0.72 - 1.79]	0 / 0.43 0 [0.00 - 8.54]	32 / 30.45 1.05 [0.72 - 1.48]	9 / 5.92 1.52 [0.70 - 2.89]	44 / 46.43 0.95 [0.69 - 1.27]	35 / 21.18 1.65 [1.15 - 2.30]	17 / 20.09 0.85 [0.49 - 1.36]	158 / 142.44 1.11 [0.94 - 1.30]
10-14	16 / 14.67 1.09 [0.62 - 1.77]	1 / 0.38 2.65 [0.07 - 14.8]	22 / 23.40 0.94 [0.59 - 1.42]	1 / 3.60 0.28 [0.01 - 1.55]	46 / 43.50 1.06 [0.77 - 1.41]	16 / 14.53 1.1 [0.63 - 1.79]	26 / 22.69 1.15 [0.75 - 1.68]	128 / 122.77 1.04 [0.87 - 1.24]
15-19	13 / 14.94 0.87 [0.46 - 1.49]	1 / 0.29 3.45 [0.09 - 19.2]	27 / 20.27 1.33 [0.88 - 1.94]	0 / 1.34 0 [0.00 - 2.75]	40 / 44.91 0.89 [0.64 - 1.21]	8 / 10.04 0.8 [0.34 - 1.57]	26 / 28.90 0.9 [0.59 - 1.32]	115 / 120.69 0.95 [0.79 - 1.14]
20-24	14 / 12.16 1.15 [0.63 - 1.93]	0 / 0.16 0 [0.00 - 23.0]	20 / 17.70 1.13 [0.69 - 1.75]	1 / 0.70 1.43 [0.04 - 7.98]	43 / 40.60 1.06 [0.77 - 1.43]	8 / 6.80 1.18 [0.51 - 2.32]	36 / 32.58 1.1 [0.77 - 1.53]	122 / 110.70 1.1 [0.92 - 1.32]
25-29	11 / 12.01 0.92 [0.46 - 1.64]	0 / 0.09 0 [0.00 - 42.0]	9 / 15.04 0.6 [0.27 - 1.14]	0 / 0.54 0 [0.00 - 6.86]	36 / 37.22 0.97 [0.68 - 1.34]	4 / 5.15 0.78 [0.21 - 1.99]	42 / 35.03 1.2 [0.86 - 1.62]	102 / 105.07 0.97 [0.79 - 1.18]
> 30	32 / 32.06 1 [0.68 - 1.41]	0 / 0.57 0 [0.00 - 6.51]	36 / 50.18 0.72 [0.50 - 0.99]	1 / 1.34 0.75 [0.02 - 4.17]	84 / 97.95 0.86 [0.68 - 1.06]	10 / 6.64 1.51 [0.72 - 2.77]	96 / 109.23 0.88 [0.71 - 1.07]	259 / 297.96 0.87 [0.77 - 0.98]
Total	131 / 126.26 1.04 [0.87 - 1.23]	2 / 2.92 0.68 [0.08 - 2.47]	203 / 202.88 1 [0.87 - 1.15]	20 / 20.51 0.97 [0.60 - 1.51]	359 / 367.12 0.98 [0.88 - 1.08]	129 / 101.32 1.27 [1.06 - 1.51]	256 / 263.39 0.97 [0.86 - 1.10]	1100 / 1084.41 1.01 [0.96 - 1.08]

Table 2.8.3

Mortality from selected causes of death by employment in only one department and duration of employment

Lymphatic & haematopoietic tissue (200-208)

employment in only one department								
duration of employment(years)	-1-	-2-	-3-	-4-	-5-	-6-	More than one department	Total
1-4	15 / 10.50 1.43 [0.80 - 2.36]	0 / 0.30 0 [0.00 - 12.3]	27 / 19.13 1.41 [0.93 - 2.05]	1 / 2.66 0.38 [0.01 - 2.10]	18 / 26.42 0.68 [0.40 - 1.08]	9 / 10.83 0.83 [0.38 - 1.58]	5 / 7.64 0.65 [0.21 - 1.53]	75 / 77.47 0.97 [0.76 - 1.21]
5-9	4 / 8.26 0.48 [0.13 - 1.24]	0 / 0.14 0 [0.00 - 27.1]	16 / 11.47 1.4 [0.80 - 2.27]	1 / 1.80 0.55 [0.01 - 3.09]	18 / 18.98 0.95 [0.56 - 1.50]	13 / 5.61 2.32 [1.23 - 3.96]	9 / 8.84 1.02 [0.47 - 1.93]	61 / 55.08 1.11 [0.85 - 1.42]
10-14	2 / 6.10 0.33 [0.04 - 1.18]	0 / 0.13 0 [0.00 - 29.4]	6 / 7.94 0.76 [0.28 - 1.65]	2 / 1.01 1.98 [0.24 - 7.15]	9 / 16.37 0.55 [0.25 - 1.04]	4 / 3.41 1.17 [0.32 - 3.00]	4 / 8.80 0.45 [0.12 - 1.16]	27 / 43.75 0.62 [0.41 - 0.90]
15-19	8 / 6.45 1.24 [0.54 - 2.45]	0 / 0.09 0 [0.00 - 39.2]	3 / 7.24 0.41 [0.09 - 1.21]	0 / 0.45 0 [0.00 - 8.20]	9 / 15.47 0.58 [0.27 - 1.10]	2 / 2.33 0.86 [0.10 - 3.10]	14 / 9.69 1.44 [0.79 - 2.42]	36 / 41.72 0.86 [0.60 - 1.19]
20-24	3 / 4.87 0.62 [0.13 - 1.80]	0 / 0.07 0 [0.00 - 50.4]	2 / 5.74 0.35 [0.04 - 1.26]	0 / 0.30 0 [0.00 - 12.3]	15 / 13.30 1.13 [0.63 - 1.86]	1 / 1.46 0.68 [0.02 - 3.80]	6 / 10.09 0.59 [0.22 - 1.29]	27 / 35.84 0.75 [0.50 - 1.10]
25-29	5 / 4.56 1.1 [0.36 - 2.56]	0 / 0.04 0 [0.00 - 98.9]	4 / 4.59 0.87 [0.24 - 2.23]	0 / 0.22 0 [0.00 - 16.8]	10 / 11.91 0.84 [0.40 - 1.54]	0 / 1.11 0 [0.00 - 3.34]	10 / 9.95 1.01 [0.48 - 1.85]	29 / 32.37 0.9 [0.60 - 1.29]
> 30	15 / 12.74 1.18 [0.66 - 1.94]	0 / 0.12 0 [0.00 - 31.5]	13 / 14.23 0.91 [0.49 - 1.56]	1 / 0.49 2.02 [0.05 - 11.3]	28 / 30.92 0.91 [0.60 - 1.31]	1 / 1.96 0.51 [0.01 - 2.84]	27 / 29.57 0.91 [0.60 - 1.33]	85 / 90.03 0.94 [0.75 - 1.17]
Total	52 / 53.47 0.97 [0.73 - 1.28]	0 / 0.88 0 [0.00 - 4.18]	71 / 70.34 1.01 [0.79 - 1.27]	5 / 6.94 0.72 [0.23 - 1.68]	107 / 133.37 0.8 [0.66 - 0.97]	30 / 26.71 1.12 [0.76 - 1.60]	75 / 84.57 0.89 [0.70 - 1.11]	340 / 376.28 0.9 [0.81 - 1.00]

Ischaemic heart disease (410-414)

employment in only one department								
duration of employment(years)	-1-	-2-	-3-	-4-	-5-	-6-	More than one department	Total
1-4	136 / 128.68 1.06 [0.89 - 1.25]	2 / 3.73 0.54 [0.06 - 1.94]	202 / 186.98 1.08 [0.94 - 1.24]	30 / 22.71 1.32 [0.89 - 1.89]	263 / 284.25 0.93 [0.82 - 1.04]	125 / 128.95 0.97 [0.81 - 1.15]	45 / 61.89 0.73 [0.53 - 0.97]	803 / 817.21 0.98 [0.92 - 1.05]
5-9	106 / 111.27 0.95 [0.78 - 1.15]	0 / 1.87 0 [0.00 - 1.97]	151 / 132.92 1.14 [0.96 - 1.33]	26 / 21.02 1.24 [0.81 - 1.81]	225 / 231.29 0.97 [0.85 - 1.11]	78 / 73.08 1.07 [0.84 - 1.33]	70 / 90.28 0.78 [0.60 - 0.98]	656 / 661.74 0.99 [0.92 - 1.07]
10-14	83 / 90.56 0.92 [0.73 - 1.14]	0 / 1.75 0 [0.00 - 2.11]	110 / 103.28 1.07 [0.88 - 1.28]	16 / 11.59 1.38 [0.79 - 2.24]	193 / 226.46 0.85 [0.74 - 0.98]	34 / 40.24 0.84 [0.59 - 1.18]	112 / 107.59 1.04 [0.86 - 1.25]	548 / 581.47 0.94 [0.87 - 1.02]
15-19	91 / 99.69 0.91 [0.73 - 1.12]	1 / 1.01 0.99 [0.02 - 5.49]	107 / 100.15 1.07 [0.88 - 1.29]	8 / 4.21 1.9 [0.82 - 3.75]	199 / 237.72 0.84 [0.72 - 0.96]	16 / 25.92 0.62 [0.35 - 1.00]	91 / 142.16 0.64 [0.52 - 0.79]	513 / 610.87 0.84 [0.77 - 0.92]
20-24	95 / 77.54 1.23 [0.99 - 1.50]	0 / 0.82 0 [0.00 - 4.48]	68 / 82.39 0.83 [0.64 - 1.05]	3 / 2.54 1.18 [0.24 - 3.46]	171 / 214.85 0.8 [0.68 - 0.92]	8 / 14.23 0.56 [0.24 - 1.11]	150 / 158.66 0.95 [0.80 - 1.11]	495 / 551.03 0.9 [0.82 - 0.98]
25-29	81 / 75.24 1.08 [0.85 - 1.34]	0 / 0.31 0 [0.00 - 11.8]	75 / 66.72 1.12 [0.88 - 1.41]	3 / 2.01 1.49 [0.31 - 4.36]	177 / 192.89 0.92 [0.79 - 1.06]	7 / 10.69 0.65 [0.26 - 1.35]	137 / 159.52 0.86 [0.72 - 1.02]	480 / 507.39 0.95 [0.86 - 1.03]
> 30	202 / 224.06 0.9 [0.78 - 1.03]	2 / 1.98 1.01 [0.12 - 3.66]	264 / 238.37 1.11 [0.98 - 1.25]	2 / 5.53 0.36 [0.04 - 1.31]	526 / 534.88 0.98 [0.90 - 1.07]	37 / 28.44 1.3 [0.92 - 1.79]	517 / 535.97 0.96 [0.88 - 1.05]	1550 / 1569.20 0.99 [0.94 - 1.04]
Total	794 / 807.02 0.98 [0.92 - 1.05]	5 / 11.48 0.44 [0.14 - 1.02]	977 / 910.82 1.07 [1.01 - 1.14]	88 / 69.60 1.26 [1.01 - 1.56]	1754 / 1922.34 0.91 [0.87 - 0.96]	305 / 321.55 0.95 [0.85 - 1.06]	1122 / 1256.07 0.89 [0.84 - 0.95]	5045 / 5298.90 0.95 [0.93 - 0.98]

Table 2.8.3

Mortality from selected causes of death by employment in only one department and duration of employment

DIS. OF RESPIRATORY SYSTEM (460-519)

employment in only one department								
duration of employment(years)	-1-	-2-	-3-	-4-	-5-	-6-	More than one department	Total
1-4	37 / 25.63 1.44 [1.02 - 1.99]	2 / 0.77 2.59 [0.31 - 9.36]	62 / 44.65 1.39 [1.06 - 1.78]	6 / 5.29 1.13 [0.42 - 2.47]	56 / 61.68 0.91 [0.69 - 1.18]	36 / 29.87 1.21 [0.84 - 1.67]	9 / 13.03 0.69 [0.32 - 1.31]	208 / 180.92 1.15 [1.00 - 1.32]
5-9	22 / 24.22 0.91 [0.57 - 1.38]	0 / 0.44 0 [0.00 - 8.32]	21 / 34.85 0.6 [0.37 - 0.92]	7 / 4.99 1.4 [0.56 - 2.89]	36 / 52.39 0.69 [0.48 - 0.95]	18 / 17.72 1.02 [0.60 - 1.61]	18 / 18.87 0.95 [0.57 - 1.51]	122 / 153.48 0.79 [0.66 - 0.95]
10-14	15 / 19.83 0.76 [0.42 - 1.25]	0 / 0.47 0 [0.00 - 7.80]	25 / 25.29 0.99 [0.64 - 1.46]	1 / 2.76 0.36 [0.01 - 2.02]	42 / 52.70 0.8 [0.57 - 1.08]	11 / 10.51 1.05 [0.52 - 1.87]	18 / 21.83 0.82 [0.49 - 1.30]	112 / 133.40 0.84 [0.69 - 1.01]
15-19	17 / 25.48 0.67 [0.39 - 1.07]	0 / 0.27 0 [0.00 - 13.6]	25 / 26.52 0.94 [0.61 - 1.39]	0 / 1.00 0 [0.00 - 3.70]	38 / 57.58 0.66 [0.47 - 0.91]	7 / 8.24 0.85 [0.34 - 1.75]	18 / 33.10 0.54 [0.32 - 0.86]	105 / 152.18 0.69 [0.56 - 0.84]
20-24	17 / 18.42 0.92 [0.54 - 1.48]	1 / 0.21 4.86 [0.12 - 27.1]	15 / 20.84 0.72 [0.40 - 1.19]	0 / 0.62 0 [0.00 - 5.93]	34 / 52.69 0.65 [0.45 - 0.90]	5 / 4.58 1.09 [0.35 - 2.55]	30 / 37.23 0.81 [0.54 - 1.15]	102 / 134.58 0.76 [0.62 - 0.92]
25-29	15 / 18.61 0.81 [0.45 - 1.33]	1 / 0.07 13.4 [0.33 - 74.4]	13 / 16.14 0.81 [0.43 - 1.38]	0 / 0.48 0 [0.00 - 7.72]	28 / 45.34 0.62 [0.41 - 0.89]	3 / 3.92 0.76 [0.16 - 2.23]	40 / 36.24 1.1 [0.79 - 1.50]	100 / 120.80 0.83 [0.67 - 1.01]
> 30	40 / 55.43 0.72 [0.52 - 0.98]	0 / 0.80 0 [0.00 - 4.58]	38 / 67.57 0.56 [0.40 - 0.77]	1 / 1.48 0.68 [0.02 - 3.77]	87 / 128.72 0.68 [0.54 - 0.83]	6 / 7.29 0.82 [0.30 - 1.79]	100 / 121.70 0.82 [0.67 - 1.00]	272 / 382.99 0.71 [0.63 - 0.80]
Total	163 / 187.62 0.87 [0.74 - 1.01]	4 / 3.05 1.31 [0.36 - 3.36]	199 / 235.86 0.84 [0.73 - 0.97]	15 / 16.61 0.9 [0.51 - 1.49]	321 / 451.09 0.71 [0.64 - 0.79]	86 / 82.13 1.05 [0.84 - 1.29]	233 / 281.99 0.83 [0.72 - 0.94]	1021 / 1258.35 0.81 [0.76 - 0.86]

EXTERNAL CAUSES (E800-999)

employment in only one department								
duration of employment(years)	-1-	-2-	-3-	-4-	-5-	-6-	More than one department	Total
1-4	70 / 68.53 1.02 [0.80 - 1.29]	3 / 2.01 1.49 [0.31 - 4.37]	158 / 129.55 1.22 [1.04 - 1.43]	20 / 20.04 1 [0.61 - 1.54]	176 / 211.86 0.83 [0.71 - 0.96]	87 / 56.40 1.54 [1.24 - 1.90]	58 / 89.53 0.65 [0.49 - 0.84]	572 / 577.92 0.99 [0.91 - 1.07]
5-9	32 / 37.84 0.85 [0.58 - 1.19]	0 / 0.86 0 [0.00 - 4.28]	64 / 61.52 1.04 [0.80 - 1.33]	13 / 8.61 1.51 [0.80 - 2.58]	99 / 128.70 0.77 [0.63 - 0.94]	34 / 24.12 1.41 [0.98 - 1.97]	60 / 85.05 0.71 [0.54 - 0.91]	302 / 346.70 0.87 [0.78 - 0.98]
10-14	18 / 25.00 0.72 [0.43 - 1.14]	1 / 0.56 1.78 [0.04 - 9.91]	19 / 37.78 0.5 [0.30 - 0.79]	2 / 4.17 0.48 [0.06 - 1.73]	56 / 87.79 0.64 [0.48 - 0.83]	12 / 12.06 1 [0.51 - 1.74]	65 / 67.14 0.97 [0.75 - 1.23]	173 / 234.50 0.74 [0.63 - 0.86]
15-19	18 / 22.23 0.81 [0.48 - 1.28]	0 / 0.44 0 [0.00 - 8.42]	21 / 29.85 0.7 [0.44 - 1.08]	1 / 2.11 0.47 [0.01 - 2.64]	52 / 70.85 0.73 [0.55 - 0.96]	4 / 7.69 0.52 [0.14 - 1.33]	53 / 57.46 0.92 [0.69 - 1.21]	149 / 190.63 0.78 [0.66 - 0.92]
20-24	16 / 15.98 1 [0.57 - 1.63]	0 / 0.34 0 [0.00 - 10.9]	21 / 22.78 0.92 [0.57 - 1.41]	0 / 1.35 0 [0.00 - 2.74]	41 / 53.50 0.77 [0.55 - 1.04]	4 / 4.44 0.9 [0.25 - 2.30]	25 / 49.78 0.5 [0.33 - 0.74]	107 / 148.17 0.72 [0.59 - 0.87]
25-29	9 / 13.44 0.67 [0.31 - 1.27]	0 / 0.23 0 [0.00 - 16.2]	12 / 17.00 0.71 [0.36 - 1.23]	0 / 0.88 0 [0.00 - 4.17]	22 / 41.70 0.53 [0.33 - 0.80]	2 / 3.04 0.66 [0.08 - 2.38]	34 / 42.07 0.81 [0.56 - 1.13]	79 / 118.36 0.67 [0.53 - 0.83]
> 30	29 / 30.21 0.96 [0.64 - 1.38]	0 / 0.36 0 [0.00 - 10.2]	35 / 37.55 0.93 [0.65 - 1.30]	2 / 1.57 1.27 [0.15 - 4.59]	55 / 82.77 0.66 [0.50 - 0.86]	5 / 5.05 0.99 [0.32 - 2.31]	80 / 85.37 0.94 [0.74 - 1.17]	206 / 242.88 0.85 [0.74 - 0.97]
Total	192 / 213.23 0.9 [0.78 - 1.04]	4 / 4.80 0.83 [0.23 - 2.14]	330 / 336.03 0.98 [0.88 - 1.09]	38 / 38.74 0.98 [0.69 - 1.35]	501 / 677.16 0.74 [0.68 - 0.81]	148 / 112.80 1.31 [1.11 - 1.54]	375 / 476.39 0.79 [0.71 - 0.87]	1588 / 1859.15 0.85 [0.81 - 0.90]

Table 2.8.4

Mortality from selected causes of death by employment in only one department and duration of employment

TOTAL COHORT Excluding Brazil,South Africa

Men

ALL CAUSES

employment in only one department

duration of employment(years)	-1-	-2-	-3-	-4-	-5-	-6-	More than one department	Total
1-4	487 / 443.81 1.1 [1.00 - 1.20]	12 / 13.51 0.89 [0.46 - 1.55]	640 / 594.21 1.08 [1.00 - 1.16]	95 / 85.79 1.11 [0.90 - 1.35]	932 / 1055.75 0.88 [0.83 - 0.94]	579 / 446.33 1.3 [1.19 - 1.41]	208 / 289.73 0.72 [0.62 - 0.82]	2953 / 2929.13 1.01 [0.97 - 1.05]
5-9	334 / 338.71 0.99 [0.88 - 1.10]	2 / 6.66 0.3 [0.04 - 1.08]	416 / 402.99 1.03 [0.94 - 1.14]	73 / 64.95 1.12 [0.88 - 1.41]	717 / 809.29 0.89 [0.82 - 0.95]	324 / 250.33 1.29 [1.16 - 1.44]	271 / 353.61 0.77 [0.68 - 0.86]	2137 / 2226.55 0.96 [0.92 - 1.00]
10-14	239 / 277.99 0.86 [0.75 - 0.98]	4 / 6.26 0.64 [0.17 - 1.64]	293 / 307.20 0.95 [0.85 - 1.07]	34 / 37.11 0.92 [0.63 - 1.28]	623 / 740.17 0.84 [0.78 - 0.91]	164 / 153.81 1.07 [0.91 - 1.24]	343 / 366.44 0.94 [0.84 - 1.04]	1700 / 1888.98 0.9 [0.86 - 0.94]
15-19	274 / 294.51 0.93 [0.82 - 1.05]	4 / 4.27 0.94 [0.26 - 2.40]	285 / 305.79 0.93 [0.83 - 1.05]	16 / 12.45 1.29 [0.73 - 2.09]	602 / 751.61 0.8 [0.74 - 0.87]	96 / 114.12 0.84 [0.68 - 1.03]	363 / 446.11 0.81 [0.73 - 0.90]	1640 / 1928.86 0.85 [0.81 - 0.89]
20-24	251 / 237.49 1.06 [0.93 - 1.20]	2 / 3.27 0.61 [0.07 - 2.21]	232 / 255.30 0.91 [0.80 - 1.03]	6 / 6.64 0.9 [0.33 - 1.97]	548 / 667.79 0.82 [0.75 - 0.89]	53 / 68.71 0.77 [0.58 - 1.01]	389 / 484.61 0.8 [0.72 - 0.89]	1481 / 1723.80 0.86 [0.82 - 0.90]
25-29	213 / 236.04 0.9 [0.79 - 1.03]	2 / 1.65 1.21 [0.15 - 4.39]	195 / 205.59 0.95 [0.82 - 1.09]	4 / 5.77 0.69 [0.19 - 1.77]	525 / 604.65 0.87 [0.80 - 0.95]	41 / 56.04 0.73 [0.53 - 0.99]	428 / 492.64 0.87 [0.79 - 0.96]	1408 / 1602.39 0.88 [0.83 - 0.93]
> 30	651 / 688.80 0.95 [0.87 - 1.02]	4 / 7.49 0.53 [0.15 - 1.37]	663 / 721.46 0.92 [0.85 - 0.99]	15 / 16.19 0.93 [0.52 - 1.53]	1500 / 1658.83 0.9 [0.86 - 0.95]	106 / 106.05 1 [0.82 - 1.21]	1445 / 1558.61 0.93 [0.88 - 0.98]	4384 / 4757.43 0.92 [0.89 - 0.95]
Total	2449 / 2517.35 0.97 [0.93 - 1.01]	30 / 43.10 0.7 [0.47 - 0.99]	2724 / 2792.55 0.98 [0.94 - 1.01]	243 / 228.90 1.06 [0.93 - 1.20]	5447 / 6288.10 0.87 [0.84 - 0.89]	1363 / 1195.39 1.14 [1.08 - 1.20]	3447 / 3991.76 0.86 [0.83 - 0.89]	15703 / 17057.13 0.92 [0.91 - 0.94]

ALL MALIGNANT NEOPLASMS (140-208)

employment in only one department

duration of employment(years)	-1-	-2-	-3-	-4-	-5-	-6-	More than one department	Total
1-4	108 / 98.60 1.1 [0.90 - 1.32]	2 / 3.40 0.59 [0.07 - 2.13]	145 / 137.30 1.06 [0.89 - 1.24]	25 / 21.11 1.18 [0.77 - 1.75]	218 / 225.44 0.97 [0.84 - 1.10]	135 / 118.21 1.14 [0.96 - 1.35]	47 / 55.70 0.84 [0.62 - 1.12]	680 / 659.76 1.03 [0.95 - 1.11]
5-9	77 / 77.67 0.99 [0.78 - 1.24]	0 / 1.59 0 [0.00 - 2.33]	103 / 95.98 1.07 [0.88 - 1.30]	16 / 17.28 0.93 [0.53 - 1.50]	164 / 179.68 0.91 [0.78 - 1.06]	90 / 68.15 1.32 [1.06 - 1.62]	48 / 73.31 0.65 [0.48 - 0.87]	498 / 513.65 0.97 [0.89 - 1.06]
10-14	63 / 64.17 0.98 [0.75 - 1.26]	2 / 1.52 1.32 [0.16 - 4.76]	62 / 75.96 0.82 [0.63 - 1.05]	6 / 10.55 0.57 [0.21 - 1.24]	155 / 169.50 0.91 [0.78 - 1.07]	54 / 45.73 1.18 [0.89 - 1.54]	83 / 80.79 1.03 [0.82 - 1.27]	425 / 448.22 0.95 [0.86 - 1.04]
15-19	61 / 66.15 0.92 [0.71 - 1.18]	2 / 1.15 1.74 [0.21 - 6.28]	75 / 73.93 1.01 [0.80 - 1.27]	4 / 3.47 1.15 [0.31 - 2.95]	126 / 172.24 0.73 [0.61 - 0.87]	32 / 32.89 0.97 [0.67 - 1.37]	94 / 100.78 0.93 [0.75 - 1.14]	394 / 450.61 0.87 [0.79 - 0.97]
20-24	51 / 54.92 0.93 [0.69 - 1.22]	1 / 0.82 1.22 [0.03 - 6.81]	64 / 64.66 0.99 [0.76 - 1.26]	3 / 1.91 1.57 [0.32 - 4.59]	145 / 156.22 0.93 [0.78 - 1.09]	18 / 21.73 0.83 [0.49 - 1.31]	91 / 113.94 0.8 [0.64 - 0.98]	373 / 414.20 0.9 [0.81 - 1.00]
25-29	43 / 54.87 0.78 [0.57 - 1.06]	0 / 0.46 0 [0.00 - 7.97]	48 / 54.76 0.88 [0.65 - 1.16]	1 / 1.83 0.55 [0.01 - 3.04]	133 / 146.58 0.91 [0.76 - 1.08]	15 / 17.39 0.86 [0.48 - 1.42]	96 / 122.52 0.78 [0.63 - 0.96]	336 / 398.42 0.84 [0.76 - 0.94]
> 30	161 / 157.33 1.02 [0.87 - 1.19]	2 / 1.99 1 [0.12 - 3.63]	147 / 183.93 0.8 [0.68 - 0.94]	6 / 4.74 1.27 [0.46 - 2.76]	364 / 401.54 0.91 [0.82 - 1.00]	29 / 28.31 1.02 [0.69 - 1.47]	338 / 382.83 0.88 [0.79 - 0.98]	1047 / 1160.68 0.9 [0.85 - 0.96]
Total	564 / 573.70 0.98 [0.90 - 1.07]	9 / 10.92 0.82 [0.38 - 1.56]	644 / 686.52 0.94 [0.87 - 1.01]	61 / 60.89 1 [0.77 - 1.29]	1305 / 1451.21 0.9 [0.85 - 0.95]	373 / 332.42 1.12 [1.01 - 1.24]	797 / 929.87 0.86 [0.80 - 0.92]	3753 / 4045.54 0.93 [0.90 - 0.96]

Table 2.8.4

Mortality from selected causes of death by employment in only one department and duration of employment

Stomach (151)

employment in only one department								
duration of employment(years)	-1-	-2-	-3-	-4-	-5-	-6-	More than one department	Total
1-4	13 / 10.34 1.26 [0.67 - 2.15]	1 / 0.23 4.39 [0.11 - 24.4]	8 / 11.20 0.71 [0.31 - 1.41]	1 / 1.23 0.81 [0.02 - 4.53]	18 / 23.66 0.76 [0.45 - 1.20]	4 / 8.50 0.47 [0.13 - 1.21]	5 / 4.96 1.01 [0.33 - 2.35]	50 / 60.12 0.83 [0.62 - 1.10]
5-9	11 / 8.82 1.25 [0.62 - 2.23]	0 / 0.11 0 [0.00 - 33.6]	6 / 8.65 0.69 [0.25 - 1.51]	1 / 1.06 0.94 [0.02 - 5.23]	14 / 20.13 0.7 [0.38 - 1.17]	2 / 5.03 0.4 [0.05 - 1.44]	3 / 7.10 0.42 [0.09 - 1.23]	37 / 50.91 0.73 [0.51 - 1.00]
10-14	10 / 7.43 1.35 [0.65 - 2.47]	0 / 0.13 0 [0.00 - 27.4]	2 / 6.90 0.29 [0.04 - 1.05]	0 / 0.56 0 [0.00 - 6.59]	16 / 19.05 0.84 [0.48 - 1.36]	4 / 3.46 1.16 [0.32 - 2.96]	6 / 8.34 0.72 [0.26 - 1.57]	38 / 45.87 0.83 [0.59 - 1.14]
15-19	4 / 8.11 0.49 [0.13 - 1.26]	1 / 0.13 7.65 [0.19 - 42.6]	8 / 7.63 1.05 [0.45 - 2.07]	0 / 0.19 0 [0.00 - 19.2]	7 / 19.59 0.36 [0.14 - 0.74]	3 / 3.14 0.95 [0.20 - 2.79]	13 / 10.77 1.21 [0.64 - 2.06]	36 / 49.57 0.73 [0.51 - 1.01]
20-24	4 / 6.69 0.6 [0.16 - 1.53]	0 / 0.11 0 [0.00 - 33.3]	7 / 6.36 1.1 [0.44 - 2.27]	0 / 0.11 0 [0.00 - 34.0]	22 / 17.46 1.26 [0.79 - 1.91]	1 / 1.86 0.54 [0.01 - 3.00]	10 / 11.72 0.85 [0.41 - 1.57]	44 / 44.30 0.99 [0.72 - 1.33]
25-29	6 / 6.85 0.88 [0.32 - 1.91]	0 / 0.08 0 [0.00 - 43.8]	4 / 5.45 0.73 [0.20 - 1.88]	0 / 0.11 0 [0.00 - 32.5]	16 / 16.43 0.97 [0.56 - 1.58]	0 / 1.70 0 [0.00 - 2.17]	7 / 11.98 0.58 [0.23 - 1.20]	33 / 42.61 0.77 [0.53 - 1.09]
> 30	22 / 19.76 1.11 [0.70 - 1.69]	1 / 0.22 4.46 [0.11 - 24.8]	17 / 18.93 0.9 [0.52 - 1.44]	0 / 0.32 0 [0.00 - 11.5]	34 / 45.01 0.76 [0.52 - 1.06]	5 / 3.15 1.59 [0.52 - 3.71]	31 / 35.80 0.87 [0.59 - 1.23]	110 / 123.20 0.89 [0.73 - 1.08]
Total	70 / 68.01 1.03 [0.80 - 1.30]	3 / 1.02 2.94 [0.61 - 8.58]	52 / 65.13 0.8 [0.60 - 1.05]	2 / 3.59 0.56 [0.07 - 2.01]	127 / 161.33 0.79 [0.66 - 0.94]	19 / 26.83 0.71 [0.43 - 1.11]	75 / 90.67 0.83 [0.65 - 1.04]	348 / 416.58 0.84 [0.75 - 0.93]

Lung (162)

employment in only one department								
duration of employment(years)	-1-	-2-	-3-	-4-	-5-	-6-	More than one department	Total
1-4	24 / 21.98 1.09 [0.70 - 1.62]	0 / 0.99 0 [0.00 - 3.71]	39 / 37.07 1.05 [0.75 - 1.44]	8 / 6.24 1.28 [0.55 - 2.52]	62 / 53.44 1.16 [0.89 - 1.49]	45 / 35.24 1.28 [0.93 - 1.71]	13 / 14.28 0.91 [0.48 - 1.56]	191 / 169.23 1.13 [0.97 - 1.30]
5-9	20 / 17.02 1.18 [0.72 - 1.81]	0 / 0.43 0 [0.00 - 8.55]	24 / 25.48 0.94 [0.60 - 1.40]	7 / 5.34 1.31 [0.53 - 2.70]	42 / 43.89 0.96 [0.69 - 1.29]	32 / 20.46 1.56 [1.07 - 2.21]	14 / 19.14 0.73 [0.40 - 1.23]	139 / 131.76 1.05 [0.89 - 1.25]
10-14	16 / 14.32 1.12 [0.64 - 1.81]	1 / 0.38 2.66 [0.07 - 14.8]	20 / 20.71 0.97 [0.59 - 1.49]	1 / 3.34 0.3 [0.01 - 1.67]	42 / 41.54 1.01 [0.73 - 1.37]	16 / 14.11 1.13 [0.65 - 1.84]	26 / 21.58 1.2 [0.79 - 1.76]	122 / 115.98 1.05 [0.87 - 1.26]
15-19	12 / 14.23 0.84 [0.44 - 1.47]	1 / 0.29 3.46 [0.09 - 19.3]	23 / 18.22 1.26 [0.80 - 1.89]	0 / 1.08 0 [0.00 - 3.41]	39 / 43.48 0.9 [0.64 - 1.23]	8 / 9.81 0.82 [0.35 - 1.61]	25 / 27.69 0.9 [0.58 - 1.33]	108 / 114.81 0.94 [0.77 - 1.14]
20-24	14 / 11.88 1.18 [0.64 - 1.98]	0 / 0.16 0 [0.00 - 23.0]	20 / 16.49 1.21 [0.74 - 1.87]	1 / 0.53 1.88 [0.05 - 10.5]	42 / 39.62 1.06 [0.76 - 1.43]	8 / 6.69 1.2 [0.52 - 2.36]	35 / 31.49 1.11 [0.77 - 1.55]	120 / 106.85 1.12 [0.93 - 1.34]
25-29	10 / 11.84 0.84 [0.41 - 1.55]	0 / 0.09 0 [0.00 - 42.0]	8 / 14.16 0.57 [0.24 - 1.11]	0 / 0.45 0 [0.00 - 8.17]	36 / 36.62 0.98 [0.69 - 1.36]	4 / 5.11 0.78 [0.21 - 2.00]	39 / 34.10 1.14 [0.81 - 1.56]	97 / 102.36 0.95 [0.77 - 1.16]
> 30	32 / 31.86 1 [0.69 - 1.42]	0 / 0.57 0 [0.00 - 6.51]	36 / 48.01 0.75 [0.53 - 1.04]	1 / 1.19 0.84 [0.02 - 4.69]	84 / 97.18 0.86 [0.69 - 1.07]	10 / 6.59 1.52 [0.73 - 2.79]	94 / 107.17 0.88 [0.71 - 1.07]	257 / 292.58 0.88 [0.77 - 0.99]
Total	128 / 123.13 1.04 [0.87 - 1.24]	2 / 2.91 0.69 [0.08 - 2.49]	170 / 180.14 0.94 [0.81 - 1.10]	18 / 18.18 0.99 [0.59 - 1.56]	347 / 355.76 0.98 [0.88 - 1.08]	123 / 98.00 1.26 [1.04 - 1.50]	246 / 255.46 0.96 [0.85 - 1.09]	1034 / 1033.57 1 [0.94 - 1.06]

Table 2.8.4

Mortality from selected causes of death by employment in only one department and duration of employment

Lymphatic & haematopoietic tissue (200-208)

employment in only one department								
duration of employment(years)	-1-	-2-	-3-	-4-	-5-	-6-	More than one department	Total
1-4	15 / 9.80 1.53 [0.86 - 2.52]	0 / 0.29 0 [0.00 - 12.7]	22 / 13.66 1.61 [1.01 - 2.44]	1 / 1.95 0.51 [0.01 - 2.86]	18 / 22.83 0.79 [0.47 - 1.25]	9 / 9.83 0.92 [0.42 - 1.74]	5 / 6.80 0.74 [0.24 - 1.72]	70 / 65.18 1.07 [0.84 - 1.36]
5-9	4 / 7.10 0.56 [0.15 - 1.44]	0 / 0.13 0 [0.00 - 27.5]	10 / 8.43 1.19 [0.57 - 2.18]	1 / 1.33 0.75 [0.02 - 4.20]	16 / 16.50 0.97 [0.55 - 1.58]	12 / 5.19 2.31 [1.19 - 4.04]	7 / 7.70 0.91 [0.37 - 1.87]	50 / 46.37 1.08 [0.80 - 1.42]
10-14	2 / 5.61 0.36 [0.04 - 1.29]	0 / 0.12 0 [0.00 - 29.7]	3 / 6.26 0.48 [0.10 - 1.40]	0 / 0.77 0 [0.00 - 4.77]	8 / 14.52 0.55 [0.24 - 1.09]	2 / 3.21 0.62 [0.08 - 2.25]	4 / 7.57 0.53 [0.14 - 1.35]	19 / 38.07 0.5 [0.30 - 0.78]
15-19	7 / 5.54 1.26 [0.51 - 2.60]	0 / 0.09 0 [0.00 - 39.5]	2 / 5.90 0.34 [0.04 - 1.22]	0 / 0.27 0 [0.00 - 13.9]	9 / 14.04 0.64 [0.29 - 1.22]	1 / 2.22 0.45 [0.01 - 2.51]	14 / 8.37 1.67 [0.91 - 2.81]	33 / 36.43 0.91 [0.62 - 1.27]
20-24	3 / 4.48 0.67 [0.14 - 1.96]	0 / 0.07 0 [0.00 - 50.4]	2 / 4.90 0.41 [0.05 - 1.47]	0 / 0.14 0 [0.00 - 26.0]	15 / 12.28 1.22 [0.68 - 2.01]	1 / 1.42 0.71 [0.02 - 3.93]	6 / 8.83 0.68 [0.25 - 1.48]	27 / 32.13 0.84 [0.55 - 1.22]
25-29	5 / 4.34 1.15 [0.37 - 2.69]	0 / 0.04 0 [0.00 - 98.9]	3 / 3.89 0.77 [0.16 - 2.25]	0 / 0.12 0 [0.00 - 31.9]	9 / 11.31 0.8 [0.36 - 1.51]	0 / 1.09 0 [0.00 - 3.40]	9 / 9.03 1 [0.46 - 1.89]	26 / 29.82 0.87 [0.57 - 1.28]
> 30	15 / 12.45 1.2 [0.67 - 1.99]	0 / 0.12 0 [0.00 - 31.5]	11 / 12.41 0.89 [0.44 - 1.59]	1 / 0.31 3.26 [0.08 - 18.2]	27 / 30.16 0.9 [0.59 - 1.30]	1 / 1.89 0.53 [0.01 - 2.94]	25 / 27.44 0.91 [0.59 - 1.34]	80 / 84.78 0.94 [0.75 - 1.17]
Total	51 / 49.33 1.03 [0.77 - 1.36]	0 / 0.87 0 [0.00 - 4.24]	53 / 55.46 0.96 [0.72 - 1.25]	3 / 4.88 0.61 [0.13 - 1.80]	102 / 121.64 0.84 [0.68 - 1.02]	26 / 24.85 1.05 [0.68 - 1.53]	70 / 75.74 0.92 [0.72 - 1.17]	305 / 332.77 0.92 [0.82 - 1.03]

Ischaemic heart disease (410-414)

employment in only one department								
duration of employment(years)	-1-	-2-	-3-	-4-	-5-	-6-	More than one department	Total
1-4	132 / 123.30 1.07 [0.90 - 1.27]	2 / 3.71 0.54 [0.07 - 1.95]	157 / 152.52 1.03 [0.87 - 1.20]	26 / 20.48 1.27 [0.83 - 1.86]	242 / 264.23 0.92 [0.80 - 1.04]	120 / 120.83 0.99 [0.82 - 1.19]	44 / 58.64 0.75 [0.55 - 1.01]	723 / 743.70 0.97 [0.90 - 1.05]
5-9	98 / 101.12 0.97 [0.79 - 1.18]	0 / 1.87 0 [0.00 - 1.97]	120 / 110.44 1.09 [0.90 - 1.30]	22 / 18.51 1.19 [0.74 - 1.80]	212 / 212.92 1 [0.87 - 1.14]	74 / 68.97 1.07 [0.84 - 1.35]	65 / 82.31 0.79 [0.61 - 1.01]	591 / 596.13 0.99 [0.91 - 1.07]
10-14	78 / 85.13 0.92 [0.72 - 1.14]	0 / 1.74 0 [0.00 - 2.11]	92 / 88.30 1.04 [0.84 - 1.28]	15 / 10.37 1.45 [0.81 - 2.39]	187 / 210.01 0.89 [0.77 - 1.03]	34 / 38.92 0.87 [0.60 - 1.22]	104 / 96.83 1.07 [0.88 - 1.30]	510 / 531.30 0.96 [0.88 - 1.05]
15-19	82 / 89.58 0.92 [0.73 - 1.14]	1 / 1.01 0.99 [0.02 - 5.50]	91 / 86.42 1.05 [0.85 - 1.29]	7 / 3.11 2.25 [0.90 - 4.63]	191 / 224.54 0.85 [0.73 - 0.98]	16 / 25.34 0.63 [0.36 - 1.03]	80 / 128.08 0.62 [0.50 - 0.78]	468 / 558.09 0.84 [0.76 - 0.92]
20-24	88 / 72.81 1.21 [0.97 - 1.49]	0 / 0.82 0 [0.00 - 4.48]	65 / 72.77 0.89 [0.69 - 1.14]	2 / 1.39 1.44 [0.17 - 5.20]	167 / 203.56 0.82 [0.70 - 0.95]	8 / 14.03 0.57 [0.25 - 1.12]	131 / 143.07 0.92 [0.77 - 1.09]	461 / 508.46 0.91 [0.83 - 0.99]
25-29	79 / 72.70 1.09 [0.86 - 1.35]	0 / 0.31 0 [0.00 - 11.8]	65 / 58.07 1.12 [0.86 - 1.43]	1 / 1.09 0.91 [0.02 - 5.09]	172 / 187.66 0.92 [0.78 - 1.06]	7 / 10.62 0.66 [0.26 - 1.36]	124 / 147.61 0.84 [0.70 - 1.00]	448 / 478.06 0.94 [0.85 - 1.03]
> 30	195 / 220.26 0.89 [0.77 - 1.02]	2 / 1.98 1.01 [0.12 - 3.66]	239 / 212.73 1.12 [0.99 - 1.28]	2 / 4.20 0.48 [0.06 - 1.72]	521 / 528.87 0.99 [0.90 - 1.07]	37 / 28.09 1.32 [0.93 - 1.82]	482 / 508.07 0.95 [0.87 - 1.04]	1478 / 1504.20 0.98 [0.93 - 1.03]
Total	752 / 764.90 0.98 [0.91 - 1.06]	5 / 11.45 0.44 [0.14 - 1.02]	829 / 781.25 1.06 [0.99 - 1.14]	75 / 59.15 1.27 [1.00 - 1.59]	1692 / 1831.78 0.92 [0.88 - 0.97]	296 / 306.81 0.96 [0.86 - 1.08]	1030 / 1164.61 0.88 [0.83 - 0.94]	4679 / 4919.95 0.95 [0.92 - 0.98]

Table 2.8.4

Mortality from selected causes of death by employment in only one department and duration of employment

DIS. OF RESPIRATORY SYSTEM (460-519)

employment in only one department								
duration of employment(years)	-1-	-2-	-3-	-4-	-5-	-6-	More than one department	Total
1-4	35 / 24.09 1.45 [1.01 - 2.02]	2 / 0.76 2.64 [0.32 - 9.52]	46 / 30.72 1.5 [1.10 - 2.00]	6 / 4.30 1.39 [0.51 - 3.04]	49 / 54.41 0.9 [0.67 - 1.19]	33 / 27.46 1.2 [0.83 - 1.69]	9 / 11.79 0.76 [0.35 - 1.45]	180 / 153.52 1.17 [1.01 - 1.36]
5-9	20 / 20.48 0.98 [0.60 - 1.51]	0 / 0.44 0 [0.00 - 8.36]	13 / 25.98 0.5 [0.27 - 0.86]	7 / 4.18 1.68 [0.67 - 3.45]	31 / 46.25 0.67 [0.46 - 0.95]	17 / 16.62 1.02 [0.60 - 1.64]	16 / 16.51 0.97 [0.55 - 1.57]	104 / 130.46 0.8 [0.65 - 0.97]
10-14	15 / 18.33 0.82 [0.46 - 1.35]	0 / 0.47 0 [0.00 - 7.81]	21 / 20.18 1.04 [0.64 - 1.59]	1 / 2.40 0.42 [0.01 - 2.32]	38 / 47.45 0.8 [0.57 - 1.10]	11 / 10.02 1.1 [0.55 - 1.97]	13 / 18.91 0.69 [0.37 - 1.18]	99 / 117.75 0.84 [0.68 - 1.02]
15-19	17 / 22.19 0.77 [0.45 - 1.23]	0 / 0.27 0 [0.00 - 13.6]	16 / 21.96 0.73 [0.42 - 1.18]	0 / 0.64 0 [0.00 - 5.77]	36 / 53.41 0.67 [0.47 - 0.93]	7 / 8.01 0.87 [0.35 - 1.80]	17 / 29.38 0.58 [0.34 - 0.93]	93 / 135.87 0.68 [0.55 - 0.84]
20-24	15 / 17.33 0.87 [0.48 - 1.43]	1 / 0.21 4.86 [0.12 - 27.1]	10 / 17.83 0.56 [0.27 - 1.03]	0 / 0.27 0 [0.00 - 13.9]	32 / 49.09 0.65 [0.45 - 0.92]	5 / 4.48 1.12 [0.36 - 2.61]	28 / 33.49 0.84 [0.56 - 1.21]	91 / 122.69 0.74 [0.60 - 0.91]
25-29	14 / 18.01 0.78 [0.42 - 1.30]	1 / 0.07 13.4 [0.33 - 74.4]	9 / 13.50 0.67 [0.30 - 1.27]	0 / 0.26 0 [0.00 - 14.5]	27 / 43.74 0.62 [0.41 - 0.90]	3 / 3.88 0.77 [0.16 - 2.26]	36 / 33.49 1.07 [0.75 - 1.49]	90 / 112.95 0.8 [0.64 - 0.98]
> 30	40 / 54.48 0.73 [0.52 - 1.00]	0 / 0.80 0 [0.00 - 4.58]	32 / 60.14 0.53 [0.36 - 0.75]	0 / 0.99 0 [0.00 - 3.71]	87 / 126.90 0.69 [0.55 - 0.85]	6 / 7.16 0.84 [0.31 - 1.82]	93 / 115.44 0.81 [0.65 - 0.99]	258 / 365.91 0.71 [0.62 - 0.80]
Total	156 / 174.91 0.89 [0.76 - 1.04]	4 / 3.03 1.32 [0.36 - 3.38]	147 / 190.31 0.77 [0.65 - 0.91]	14 / 13.03 1.07 [0.59 - 1.80]	300 / 421.24 0.71 [0.63 - 0.80]	82 / 77.62 1.06 [0.84 - 1.31]	212 / 259.01 0.82 [0.71 - 0.94]	915 / 1139.15 0.8 [0.75 - 0.86]

EXTERNAL CAUSES (E800-999)

employment in only one department								
duration of employment(years)	-1-	-2-	-3-	-4-	-5-	-6-	More than one department	Total
1-4	69 / 66.57 1.04 [0.81 - 1.31]	3 / 1.96 1.53 [0.32 - 4.46]	140 / 111.45 1.26 [1.06 - 1.48]	19 / 16.49 1.15 [0.69 - 1.80]	165 / 199.14 0.83 [0.71 - 0.97]	83 / 52.44 1.58 [1.26 - 1.96]	57 / 85.30 0.67 [0.51 - 0.87]	536 / 533.34 1 [0.92 - 1.09]
5-9	32 / 35.30 0.91 [0.62 - 1.28]	0 / 0.85 0 [0.00 - 4.35]	61 / 52.74 1.16 [0.88 - 1.49]	12 / 6.87 1.75 [0.90 - 3.05]	95 / 121.52 0.78 [0.63 - 0.96]	33 / 22.69 1.45 [1.00 - 2.04]	55 / 80.61 0.68 [0.51 - 0.89]	288 / 320.58 0.9 [0.80 - 1.01]
10-14	17 / 23.95 0.71 [0.41 - 1.14]	1 / 0.55 1.8 [0.05 - 10.1]	17 / 33.50 0.51 [0.30 - 0.81]	2 / 3.36 0.59 [0.07 - 2.15]	52 / 83.15 0.63 [0.47 - 0.82]	10 / 11.46 0.87 [0.42 - 1.60]	60 / 63.18 0.95 [0.72 - 1.22]	159 / 219.15 0.73 [0.62 - 0.85]
15-19	18 / 20.23 0.89 [0.53 - 1.41]	0 / 0.43 0 [0.00 - 8.51]	17 / 26.80 0.63 [0.37 - 1.02]	1 / 1.59 0.63 [0.02 - 3.50]	47 / 67.55 0.7 [0.51 - 0.93]	3 / 7.40 0.41 [0.08 - 1.19]	51 / 53.76 0.95 [0.71 - 1.25]	137 / 177.77 0.77 [0.65 - 0.91]
20-24	15 / 15.24 0.98 [0.55 - 1.62]	0 / 0.34 0 [0.00 - 10.9]	18 / 20.74 0.87 [0.51 - 1.37]	0 / 0.97 0 [0.00 - 3.79]	40 / 51.15 0.78 [0.56 - 1.06]	4 / 4.31 0.93 [0.25 - 2.38]	23 / 46.64 0.49 [0.31 - 0.74]	100 / 139.40 0.72 [0.58 - 0.87]
25-29	8 / 13.02 0.61 [0.27 - 1.21]	0 / 0.23 0 [0.00 - 16.2]	12 / 15.29 0.78 [0.41 - 1.37]	0 / 0.65 0 [0.00 - 5.66]	20 / 40.46 0.49 [0.30 - 0.76]	2 / 2.98 0.67 [0.08 - 2.42]	32 / 39.61 0.81 [0.55 - 1.14]	74 / 112.24 0.66 [0.52 - 0.83]
> 30	29 / 29.64 0.98 [0.66 - 1.41]	0 / 0.36 0 [0.00 - 10.2]	30 / 33.78 0.89 [0.60 - 1.27]	1 / 1.04 0.96 [0.02 - 5.34]	51 / 81.21 0.63 [0.47 - 0.83]	5 / 4.89 1.02 [0.33 - 2.39]	78 / 80.78 0.97 [0.76 - 1.21]	194 / 231.70 0.84 [0.72 - 0.96]
Total	188 / 203.96 0.92 [0.79 - 1.06]	4 / 4.73 0.85 [0.23 - 2.17]	295 / 294.29 1 [0.89 - 1.12]	35 / 30.98 1.13 [0.79 - 1.57]	470 / 644.17 0.73 [0.67 - 0.80]	140 / 106.17 1.32 [1.11 - 1.56]	356 / 449.88 0.79 [0.71 - 0.88]	1488 / 1734.18 0.86 [0.81 - 0.90]

Table 2.8.4

Mortality from selected causes of death by employment in only one department and duration of employment

TOTAL COHORT Excluding Brazil,South Africa
Women

ALL CAUSES

employment in only one department

duration of employment(years)	-1-	-2-	-3-	-4-	-5-	-6-	More than one department	Total
1-4	22 / 27.34 0.8 [0.50 - 1.22]	1 / 0.31 3.26 [0.08 - 18.2]	208 / 211.13 0.99 [0.86 - 1.13]	22 / 21.90 1 [0.63 - 1.52]	101 / 128.74 0.78 [0.64 - 0.95]	46 / 44.40 1.04 [0.76 - 1.38]	9 / 27.54 0.33 [0.15 - 0.62]	409 / 461.36 0.89 [0.80 - 0.98]
5-9	43 / 60.46 0.71 [0.51 - 0.96]	0 / 0.05 0 [0.00 - 71.6]	131 / 127.61 1.03 [0.86 - 1.22]	14 / 16.98 0.82 [0.45 - 1.38]	80 / 101.12 0.79 [0.63 - 0.98]	21 / 19.65 1.07 [0.66 - 1.63]	36 / 46.19 0.78 [0.55 - 1.08]	325 / 372.07 0.87 [0.78 - 0.97]
10-14	16 / 24.64 0.65 [0.37 - 1.05]	0 / 0.04 0 [0.00 - 97.5]	91 / 74.99 1.21 [0.98 - 1.49]	8 / 8.50 0.94 [0.41 - 1.85]	71 / 81.34 0.87 [0.68 - 1.10]	7 / 8.63 0.81 [0.33 - 1.67]	52 / 53.65 0.97 [0.72 - 1.27]	245 / 251.79 0.97 [0.86 - 1.10]
15-19	48 / 55.62 0.86 [0.64 - 1.14]	0 / 0.03 0 [0.00 - 0148]	68 / 63.88 1.06 [0.83 - 1.35]	4 / 7.11 0.56 [0.15 - 1.44]	41 / 62.64 0.65 [0.47 - 0.89]	3 / 4.23 0.71 [0.15 - 2.07]	39 / 62.96 0.62 [0.44 - 0.85]	203 / 256.45 0.79 [0.69 - 0.91]
20-24	21 / 19.37 1.08 [0.67 - 1.66]	0 / 0.00 . [. - .]	44 / 43.84 1 [0.73 - 1.35]	2 / 6.51 0.31 [0.04 - 1.11]	21 / 50.12 0.42 [0.26 - 0.64]	3 / 1.80 1.67 [0.34 - 4.88]	47 / 63.90 0.74 [0.54 - 0.98]	138 / 185.54 0.74 [0.62 - 0.88]
25-29	11 / 10.69 1.03 [0.51 - 1.84]	0 / 0.00 . [. - .]	39 / 38.38 1.02 [0.72 - 1.39]	5 / 4.40 1.14 [0.37 - 2.65]	18 / 24.93 0.72 [0.43 - 1.14]	1 / 0.77 1.3 [0.03 - 7.24]	44 / 48.00 0.92 [0.67 - 1.23]	118 / 127.17 0.93 [0.77 - 1.11]
> 30	15 / 15.53 0.97 [0.54 - 1.59]	0 / 0.00 . [. - .]	106 / 104.30 1.02 [0.83 - 1.23]	7 / 9.07 0.77 [0.31 - 1.59]	29 / 32.11 0.9 [0.60 - 1.30]	1 / 2.81 0.36 [0.01 - 1.98]	108 / 108.02 1 [0.82 - 1.21]	266 / 271.84 0.98 [0.86 - 1.10]
Total	176 / 213.65 0.82 [0.71 - 0.95]	1 / 0.42 2.38 [0.06 - 13.2]	687 / 664.13 1.03 [0.96 - 1.11]	62 / 74.47 0.83 [0.64 - 1.07]	361 / 481.00 0.75 [0.68 - 0.83]	82 / 82.29 1 [0.79 - 1.24]	335 / 410.26 0.82 [0.73 - 0.91]	1704 / 1926.22 0.88 [0.84 - 0.93]

ALL MALIGNANT NEOPLASMS (140-208)

employment in only one department

duration of employment(years)	-1-	-2-	-3-	-4-	-5-	-6-	More than one department	Total
1-4	6 / 7.63 0.79 [0.29 - 1.71]	1 / 0.11 9.08 [0.23 - 50.6]	66 / 72.97 0.9 [0.70 - 1.15]	10 / 7.96 1.26 [0.60 - 2.31]	31 / 40.73 0.76 [0.52 - 1.08]	16 / 14.76 1.08 [0.62 - 1.76]	4 / 8.11 0.49 [0.13 - 1.26]	134 / 152.26 0.88 [0.74 - 1.04]
5-9	11 / 14.47 0.76 [0.38 - 1.36]	0 / 0.01 0 [0.00 - 0272]	51 / 42.14 1.21 [0.90 - 1.59]	4 / 6.07 0.66 [0.18 - 1.69]	27 / 30.85 0.88 [0.58 - 1.27]	8 / 6.27 1.28 [0.55 - 2.51]	9 / 12.97 0.69 [0.32 - 1.32]	110 / 112.78 0.98 [0.80 - 1.18]
10-14	3 / 5.84 0.51 [0.11 - 1.50]	0 / 0.01 0 [0.00 - 0315]	30 / 23.93 1.25 [0.85 - 1.79]	4 / 3.16 1.26 [0.34 - 3.24]	30 / 23.38 1.28 [0.87 - 1.83]	4 / 3.17 1.26 [0.34 - 3.23]	15 / 15.00 1 [0.56 - 1.65]	86 / 74.50 1.15 [0.92 - 1.43]
15-19	18 / 11.59 1.55 [0.92 - 2.46]	0 / 0.01 0 [0.00 - 0426]	20 / 18.97 1.05 [0.64 - 1.63]	1 / 2.61 0.38 [0.01 - 2.13]	17 / 17.86 0.95 [0.55 - 1.52]	2 / 1.71 1.17 [0.14 - 4.21]	12 / 16.13 0.74 [0.38 - 1.30]	70 / 68.89 1.02 [0.79 - 1.28]
20-24	4 / 4.48 0.89 [0.24 - 2.29]	0 / 0.00 . [. - .]	14 / 12.24 1.14 [0.63 - 1.92]	0 / 2.06 0 [0.00 - 1.79]	6 / 12.61 0.48 [0.17 - 1.04]	2 / 0.79 2.52 [0.31 - 9.12]	8 / 15.35 0.52 [0.22 - 1.03]	34 / 47.53 0.72 [0.50 - 1.00]
25-29	2 / 2.60 0.77 [0.09 - 2.78]	0 / 0.00 . [. - .]	12 / 10.08 1.19 [0.61 - 2.08]	1 / 1.33 0.75 [0.02 - 4.18]	6 / 7.43 0.81 [0.30 - 1.76]	0 / 0.33 0 [0.00 - 11.3]	10 / 12.21 0.82 [0.39 - 1.51]	31 / 33.98 0.91 [0.62 - 1.29]
> 30	1 / 3.32 0.3 [0.01 - 1.68]	0 / 0.00 . [. - .]	26 / 24.99 1.04 [0.68 - 1.52]	4 / 2.55 1.57 [0.43 - 4.02]	6 / 9.86 0.61 [0.22 - 1.32]	1 / 0.89 1.13 [0.03 - 6.29]	27 / 26.71 1.01 [0.67 - 1.47]	65 / 68.31 0.95 [0.73 - 1.21]
Total	45 / 49.93 0.9 [0.66 - 1.21]	1 / 0.14 6.94 [0.17 - 38.7]	219 / 205.30 1.07 [0.93 - 1.22]	24 / 25.74 0.93 [0.60 - 1.39]	123 / 142.73 0.86 [0.72 - 1.03]	33 / 27.92 1.18 [0.81 - 1.66]	85 / 106.48 0.8 [0.64 - 0.99]	530 / 558.25 0.95 [0.87 - 1.03]

Table 2.8.4

Mortality from selected causes of death by employment in only one department and duration of employment

Stomach (151)

employment in only one department								
duration of employment(years)	-1-	-2-	-3-	-4-	-5-	-6-	More than one department	Total
1-4	0 / 0.64 0 [0.00 - 5.76]	0 / 0.01 0 [0.00 - 0677]	2 / 3.68 0.54 [0.07 - 1.96]	0 / 0.34 0 [0.00 - 11.0]	1 / 2.70 0.37 [0.01 - 2.06]	0 / 0.65 0 [0.00 - 5.69]	1 / 0.56 1.78 [0.04 - 9.91]	4 / 8.57 0.47 [0.13 - 1.19]
5-9	1 / 1.49 0.67 [0.02 - 3.73]	0 / 0.00 0 [0.00 - 4761]	1 / 2.43 0.41 [0.01 - 2.30]	0 / 0.29 0 [0.00 - 12.5]	0 / 2.18 0 [0.00 - 1.69]	0 / 0.28 0 [0.00 - 13.2]	1 / 1.03 0.97 [0.02 - 5.43]	3 / 7.70 0.39 [0.08 - 1.14]
10-14	0 / 0.61 0 [0.00 - 6.01]	0 / 0.00 0 [0.00 - 5443]	1 / 1.48 0.68 [0.02 - 3.76]	0 / 0.16 0 [0.00 - 23.4]	0 / 1.76 0 [0.00 - 2.10]	0 / 0.13 0 [0.00 - 27.7]	1 / 1.23 0.81 [0.02 - 4.53]	2 / 5.37 0.37 [0.05 - 1.35]
15-19	3 / 1.42 2.11 [0.43 - 6.15]	0 / 0.00 0 [0.00 - 8118]	3 / 1.28 2.34 [0.48 - 6.84]	0 / 0.12 0 [0.00 - 30.2]	0 / 1.32 0 [0.00 - 2.79]	0 / 0.07 0 [0.00 - 56.3]	2 / 1.38 1.45 [0.18 - 5.24]	8 / 5.59 1.43 [0.62 - 2.82]
20-24	2 / 0.47 4.28 [0.52 - 15.4]	0 / 0.00 . [. - .]	3 / 0.94 3.2 [0.66 - 9.34]	0 / 0.11 0 [0.00 - 34.6]	1 / 0.95 1.05 [0.03 - 5.86]	0 / 0.02 0 [0.00 - 0149]	0 / 1.40 0 [0.00 - 2.63]	6 / 3.89 1.54 [0.57 - 3.36]
25-29	0 / 0.26 0 [0.00 - 14.1]	0 / 0.00 . [. - .]	1 / 0.91 1.1 [0.03 - 6.13]	0 / 0.07 0 [0.00 - 49.5]	0 / 0.52 0 [0.00 - 7.14]	0 / 0.01 0 [0.00 - 0318]	1 / 1.06 0.94 [0.02 - 5.24]	2 / 2.84 0.7 [0.09 - 2.55]
> 30	0 / 0.38 0 [0.00 - 9.59]	0 / 0.00 . [. - .]	4 / 2.32 1.73 [0.47 - 4.42]	0 / 0.14 0 [0.00 - 26.9]	1 / 0.72 1.39 [0.03 - 7.73]	0 / 0.05 0 [0.00 - 77.2]	2 / 2.29 0.87 [0.11 - 3.15]	7 / 5.90 1.19 [0.48 - 2.44]
Total	6 / 5.29 1.13 [0.42 - 2.47]	0 / 0.01 0 [0.00 - 0502]	15 / 13.04 1.15 [0.64 - 1.90]	0 / 1.23 0 [0.00 - 3.00]	3 / 10.14 0.3 [0.06 - 0.86]	0 / 1.21 0 [0.00 - 3.05]	8 / 8.95 0.89 [0.39 - 1.76]	32 / 39.87 0.8 [0.55 - 1.13]

Lung (162)

employment in only one department								
duration of employment(years)	-1-	-2-	-3-	-4-	-5-	-6-	More than one department	Total
1-4	0 / 0.49 0 [0.00 - 7.49]	0 / 0.01 0 [0.00 - 0280]	18 / 8.77 2.05 [1.22 - 3.24]	0 / 0.84 0 [0.00 - 4.41]	4 / 3.07 1.3 [0.35 - 3.33]	3 / 1.75 1.72 [0.35 - 5.02]	0 / 0.61 0 [0.00 - 6.07]	25 / 15.54 1.61 [1.04 - 2.37]
5-9	1 / 0.93 1.08 [0.03 - 6.00]	0 / 0.00 0 [0.00 - 7393]	8 / 4.97 1.61 [0.69 - 3.17]	2 / 0.57 3.5 [0.42 - 12.7]	2 / 2.54 0.79 [0.10 - 2.84]	3 / 0.72 4.16 [0.86 - 12.2]	3 / 0.94 3.18 [0.66 - 9.28]	19 / 10.69 1.78 [1.07 - 2.78]
10-14	0 / 0.35 0 [0.00 - 10.6]	0 / 0.00 0 [0.00 - 7326]	2 / 2.69 0.74 [0.09 - 2.68]	0 / 0.27 0 [0.00 - 13.8]	4 / 1.96 2.04 [0.56 - 5.23]	0 / 0.42 0 [0.00 - 8.83]	0 / 1.11 0 [0.00 - 3.34]	6 / 6.79 0.88 [0.32 - 1.92]
15-19	1 / 0.71 1.41 [0.04 - 7.86]	0 / 0.00 0 [0.00 - 8020]	4 / 2.04 1.96 [0.53 - 5.01]	0 / 0.26 0 [0.00 - 14.3]	1 / 1.43 0.7 [0.02 - 3.88]	0 / 0.23 0 [0.00 - 16.2]	1 / 1.20 0.83 [0.02 - 4.63]	7 / 5.88 1.19 [0.48 - 2.45]
20-24	0 / 0.28 0 [0.00 - 13.0]	0 / 0.00 . [. - .]	0 / 1.21 0 [0.00 - 3.05]	0 / 0.17 0 [0.00 - 22.0]	1 / 0.98 1.02 [0.03 - 5.71]	0 / 0.12 0 [0.00 - 31.1]	1 / 1.10 0.91 [0.02 - 5.07]	2 / 3.85 0.52 [0.06 - 1.88]
25-29	1 / 0.17 5.94 [0.15 - 33.1]	0 / 0.00 . [. - .]	1 / 0.89 1.13 [0.03 - 6.30]	0 / 0.09 0 [0.00 - 42.9]	0 / 0.60 0 [0.00 - 6.13]	0 / 0.04 0 [0.00 - 87.7]	3 / 0.93 3.24 [0.67 - 9.47]	5 / 2.71 1.85 [0.60 - 4.31]
> 30	0 / 0.20 0 [0.00 - 18.8]	0 / 0.00 . [. - .]	0 / 2.17 0 [0.00 - 1.70]	0 / 0.15 0 [0.00 - 24.9]	0 / 0.77 0 [0.00 - 4.81]	0 / 0.05 0 [0.00 - 76.3]	2 / 2.05 0.97 [0.12 - 3.52]	2 / 5.39 0.37 [0.04 - 1.34]
Total	3 / 3.13 0.96 [0.20 - 2.80]	0 / 0.01 0 [0.00 - 0252]	33 / 22.75 1.45 [1.00 - 2.04]	2 / 2.33 0.86 [0.10 - 3.09]	12 / 11.36 1.06 [0.55 - 1.85]	6 / 3.32 1.81 [0.66 - 3.93]	10 / 7.94 1.26 [0.60 - 2.32]	66 / 50.84 1.3 [1.00 - 1.65]

Table 2.8.4

Mortality from selected causes of death by employment in only one department and duration of employment

Lymphatic & haematopoietic tissue (200-208)

employment in only one department								
duration of employment(years)	-1-	-2-	-3-	-4-	-5-	-6-	More than one department	Total
1-4	0 / 0.69 0 [0.00 - 5.32]	0 / 0.01 0 [0.00 - 0.432]	5 / 5.47 0.91 [0.30 - 2.13]	0 / 0.71 0 [0.00 - 5.22]	0 / 3.59 0 [0.00 - 1.03]	0 / 0.99 0 [0.00 - 3.71]	0 / 0.84 0 [0.00 - 4.40]	5 / 12.30 0.41 [0.13 - 0.95]
5-9	0 / 1.16 0 [0.00 - 3.18]	0 / 0.00 0 [0.00 - 1807]	6 / 3.04 1.97 [0.72 - 4.29]	0 / 0.48 0 [0.00 - 7.75]	2 / 2.48 0.81 [0.10 - 2.91]	1 / 0.41 2.42 [0.06 - 13.5]	2 / 1.14 1.76 [0.21 - 6.36]	11 / 8.71 1.26 [0.63 - 2.26]
10-14	0 / 0.49 0 [0.00 - 7.51]	0 / 0.00 0 [0.00 - 2903]	3 / 1.68 1.79 [0.37 - 5.22]	2 / 0.24 8.47 [1.02 - 30.6]	1 / 1.85 0.54 [0.01 - 3.02]	2 / 0.20 9.85 [1.19 - 35.6]	0 / 1.23 0 [0.00 - 3.00]	8 / 5.69 1.41 [0.61 - 2.77]
15-19	1 / 0.90 1.11 [0.03 - 6.17]	0 / 0.00 0 [0.00 - 5152]	1 / 1.34 0.75 [0.02 - 4.16]	0 / 0.18 0 [0.00 - 20.0]	0 / 1.44 0 [0.00 - 2.57]	1 / 0.11 9 [0.23 - 50.2]	0 / 1.32 0 [0.00 - 2.80]	3 / 5.29 0.57 [0.12 - 1.66]
20-24	0 / 0.38 0 [0.00 - 9.61]	0 / 0.00 . [. - .]	0 / 0.85 0 [0.00 - 4.36]	0 / 0.16 0 [0.00 - 23.2]	0 / 1.02 0 [0.00 - 3.61]	0 / 0.05 0 [0.00 - 77.7]	0 / 1.26 0 [0.00 - 2.93]	0 / 3.72 0 [0.00 - 0.99]
25-29	0 / 0.22 0 [0.00 - 16.9]	0 / 0.00 . [. - .]	1 / 0.70 1.44 [0.04 - 8.00]	0 / 0.10 0 [0.00 - 35.3]	1 / 0.60 1.68 [0.04 - 9.34]	0 / 0.02 0 [0.00 - 0185]	1 / 0.92 1.09 [0.03 - 6.08]	3 / 2.55 1.18 [0.24 - 3.44]
> 30	0 / 0.29 0 [0.00 - 12.9]	0 / 0.00 . [. - .]	2 / 1.82 1.1 [0.13 - 3.98]	0 / 0.19 0 [0.00 - 19.7]	1 / 0.76 1.31 [0.03 - 7.30]	0 / 0.07 0 [0.00 - 53.7]	2 / 2.13 0.94 [0.11 - 3.39]	5 / 5.25 0.95 [0.31 - 2.22]
Total	1 / 4.14 0.24 [0.01 - 1.35]	0 / 0.01 0 [0.00 - 0294]	18 / 14.89 1.21 [0.72 - 1.91]	2 / 2.05 0.97 [0.12 - 3.52]	5 / 11.73 0.43 [0.14 - 0.99]	4 / 1.86 2.15 [0.59 - 5.51]	5 / 8.83 0.57 [0.18 - 1.32]	35 / 43.51 0.8 [0.56 - 1.12]

Ischaemic heart disease (410-414)

employment in only one department								
duration of employment(years)	-1-	-2-	-3-	-4-	-5-	-6-	More than one department	Total
1-4	4 / 5.38 0.74 [0.20 - 1.90]	0 / 0.02 0 [0.00 - 0167]	45 / 34.47 1.31 [0.95 - 1.75]	4 / 2.23 1.8 [0.49 - 4.60]	21 / 20.03 1.05 [0.65 - 1.60]	5 / 8.12 0.62 [0.20 - 1.44]	1 / 3.26 0.31 [0.01 - 1.71]	80 / 73.50 1.09 [0.86 - 1.35]
5-9	8 / 10.15 0.79 [0.34 - 1.55]	0 / 0.00 0 [0.00 - 2402]	31 / 22.49 1.38 [0.94 - 1.96]	4 / 2.51 1.59 [0.43 - 4.07]	13 / 18.37 0.71 [0.38 - 1.21]	4 / 4.11 0.97 [0.27 - 2.49]	5 / 7.98 0.63 [0.20 - 1.46]	65 / 65.61 0.99 [0.76 - 1.26]
10-14	5 / 5.43 0.92 [0.30 - 2.15]	0 / 0.00 0 [0.00 - 2531]	18 / 14.99 1.2 [0.71 - 1.90]	1 / 1.22 0.82 [0.02 - 4.56]	6 / 16.46 0.36 [0.13 - 0.79]	0 / 1.32 0 [0.00 - 2.80]	8 / 10.76 0.74 [0.32 - 1.47]	38 / 50.17 0.76 [0.54 - 1.04]
15-19	9 / 10.10 0.89 [0.41 - 1.69]	0 / 0.00 0 [0.00 - 2704]	16 / 13.73 1.17 [0.67 - 1.89]	1 / 1.09 0.91 [0.02 - 5.09]	8 / 13.18 0.61 [0.26 - 1.20]	0 / 0.58 0 [0.00 - 6.38]	11 / 14.09 0.78 [0.39 - 1.40]	45 / 52.77 0.85 [0.62 - 1.14]
20-24	7 / 4.73 1.48 [0.60 - 3.05]	0 / 0.00 . [. - .]	3 / 9.62 0.31 [0.06 - 0.91]	1 / 1.15 0.87 [0.02 - 4.86]	4 / 11.29 0.35 [0.10 - 0.91]	0 / 0.20 0 [0.00 - 18.7]	19 / 15.59 1.22 [0.73 - 1.90]	34 / 42.57 0.8 [0.55 - 1.12]
25-29	2 / 2.54 0.79 [0.10 - 2.84]	0 / 0.00 . [. - .]	10 / 8.65 1.16 [0.55 - 2.13]	2 / 0.92 2.18 [0.26 - 7.89]	5 / 5.23 0.96 [0.31 - 2.23]	0 / 0.07 0 [0.00 - 50.4]	13 / 11.91 1.09 [0.58 - 1.87]	32 / 29.32 1.09 [0.75 - 1.54]
> 30	7 / 3.79 1.85 [0.74 - 3.80]	0 / 0.00 . [. - .]	25 / 25.64 0.98 [0.63 - 1.44]	0 / 1.33 0 [0.00 - 2.78]	5 / 6.01 0.83 [0.27 - 1.94]	0 / 0.34 0 [0.00 - 10.8]	35 / 27.89 1.25 [0.87 - 1.75]	72 / 65.00 1.11 [0.87 - 1.39]
Total	42 / 42.12 1 [0.72 - 1.35]	0 / 0.03 0 [0.00 - 0139]	148 / 129.58 1.14 [0.97 - 1.34]	13 / 10.45 1.24 [0.66 - 2.13]	62 / 90.57 0.68 [0.52 - 0.88]	9 / 14.74 0.61 [0.28 - 1.16]	92 / 91.47 1.01 [0.81 - 1.23]	366 / 378.95 0.97 [0.87 - 1.07]

Table 2.8.4

Mortality from selected causes of death by employment in only one department and duration of employment

DIS. OF RESPIRATORY SYSTEM (460-519)

employment in only one department								
duration of employment(years)	-1-	-2-	-3-	-4-	-5-	-6-	More than one department	Total
1-4	2 / 1.55 1.29 [0.16 - 4.66]	0 / 0.01 0 [0.00 - 0280]	16 / 13.93 1.15 [0.66 - 1.87]	0 / 0.98 0 [0.00 - 3.75]	7 / 7.27 0.96 [0.39 - 1.98]	3 / 2.41 1.24 [0.26 - 3.64]	0 / 1.24 0 [0.00 - 2.98]	28 / 27.40 1.02 [0.68 - 1.48]
5-9	2 / 3.74 0.54 [0.06 - 1.93]	0 / 0.00 0 [0.00 - 2122]	8 / 8.87 0.9 [0.39 - 1.78]	0 / 0.82 0 [0.00 - 4.51]	5 / 6.14 0.81 [0.26 - 1.90]	1 / 1.10 0.91 [0.02 - 5.05]	2 / 2.35 0.85 [0.10 - 3.07]	18 / 23.02 0.78 [0.46 - 1.24]
10-14	0 / 1.50 0 [0.00 - 2.45]	0 / 0.00 0 [0.00 - 3175]	4 / 5.11 0.78 [0.21 - 2.00]	0 / 0.36 0 [0.00 - 10.2]	4 / 5.25 0.76 [0.21 - 1.95]	0 / 0.49 0 [0.00 - 7.51]	5 / 2.92 1.71 [0.56 - 3.99]	13 / 15.65 0.83 [0.44 - 1.42]
15-19	0 / 3.28 0 [0.00 - 1.12]	0 / 0.00 0 [0.00 - 5463]	9 / 4.56 1.98 [0.90 - 3.75]	0 / 0.36 0 [0.00 - 10.3]	2 / 4.17 0.48 [0.06 - 1.73]	0 / 0.23 0 [0.00 - 16.2]	1 / 3.72 0.27 [0.01 - 1.50]	12 / 16.31 0.74 [0.38 - 1.29]
20-24	2 / 1.09 1.84 [0.22 - 6.64]	0 / 0.00 . [. - .]	5 / 3.01 1.66 [0.54 - 3.88]	0 / 0.36 0 [0.00 - 10.4]	2 / 3.60 0.56 [0.07 - 2.01]	0 / 0.10 0 [0.00 - 36.8]	2 / 3.74 0.54 [0.06 - 1.93]	11 / 11.89 0.93 [0.46 - 1.66]
25-29	1 / 0.60 1.67 [0.04 - 9.31]	0 / 0.00 . [. - .]	4 / 2.64 1.52 [0.41 - 3.88]	0 / 0.22 0 [0.00 - 16.5]	1 / 1.60 0.62 [0.02 - 3.48]	0 / 0.04 0 [0.00 - 94.8]	4 / 2.75 1.45 [0.40 - 3.72]	10 / 7.85 1.27 [0.61 - 2.34]
> 30	0 / 0.95 0 [0.00 - 3.89]	0 / 0.00 . [. - .]	6 / 7.44 0.81 [0.30 - 1.76]	1 / 0.48 2.07 [0.05 - 11.5]	0 / 1.82 0 [0.00 - 2.03]	0 / 0.13 0 [0.00 - 27.7]	7 / 6.26 1.12 [0.45 - 2.31]	14 / 17.07 0.82 [0.45 - 1.38]
Total	7 / 12.71 0.55 [0.22 - 1.14]	0 / 0.02 0 [0.00 - 0220]	52 / 45.56 1.14 [0.85 - 1.50]	1 / 3.59 0.28 [0.01 - 1.55]	21 / 29.85 0.7 [0.44 - 1.08]	4 / 4.51 0.89 [0.24 - 2.27]	21 / 22.98 0.91 [0.57 - 1.40]	106 / 119.20 0.89 [0.73 - 1.08]

EXTERNAL CAUSES (E800-999)

employment in only one department								
duration of employment(years)	-1-	-2-	-3-	-4-	-5-	-6-	More than one department	Total
1-4	1 / 1.96 0.51 [0.01 - 2.84]	0 / 0.04 0 [0.00 - 83.2]	18 / 18.10 0.99 [0.59 - 1.57]	1 / 3.56 0.28 [0.01 - 1.57]	11 / 12.72 0.86 [0.43 - 1.55]	4 / 3.96 1.01 [0.28 - 2.59]	1 / 4.23 0.24 [0.01 - 1.32]	36 / 44.58 0.81 [0.57 - 1.12]
5-9	0 / 2.54 0 [0.00 - 1.45]	0 / 0.01 0 [0.00 - 0278]	3 / 8.78 0.34 [0.07 - 1.00]	1 / 1.74 0.57 [0.01 - 3.20]	4 / 7.18 0.56 [0.15 - 1.43]	1 / 1.43 0.7 [0.02 - 3.90]	5 / 4.44 1.13 [0.37 - 2.63]	14 / 26.12 0.54 [0.29 - 0.90]
10-14	1 / 1.05 0.95 [0.02 - 5.32]	0 / 0.01 0 [0.00 - 0449]	2 / 4.28 0.47 [0.06 - 1.69]	0 / 0.81 0 [0.00 - 4.56]	4 / 4.64 0.86 [0.23 - 2.21]	2 / 0.60 3.35 [0.41 - 12.1]	5 / 3.97 1.26 [0.41 - 2.94]	14 / 15.35 0.91 [0.50 - 1.53]
15-19	0 / 2.00 0 [0.00 - 1.84]	0 / 0.00 0 [0.00 - 0802]	4 / 3.05 1.31 [0.36 - 3.36]	0 / 0.52 0 [0.00 - 7.15]	5 / 3.30 1.51 [0.49 - 3.53]	1 / 0.29 3.4 [0.09 - 19.0]	2 / 3.69 0.54 [0.07 - 1.96]	12 / 12.86 0.93 [0.48 - 1.63]
20-24	1 / 0.73 1.37 [0.03 - 7.61]	0 / 0.00 . [. - .]	3 / 2.04 1.47 [0.30 - 4.30]	0 / 0.37 0 [0.00 - 9.85]	1 / 2.35 0.43 [0.01 - 2.37]	0 / 0.14 0 [0.00 - 26.9]	2 / 3.14 0.64 [0.08 - 2.30]	7 / 8.77 0.8 [0.32 - 1.64]
25-29	1 / 0.42 2.37 [0.06 - 13.2]	0 / 0.00 . [. - .]	0 / 1.71 0 [0.00 - 2.15]	0 / 0.23 0 [0.00 - 15.8]	2 / 1.23 1.62 [0.20 - 5.85]	0 / 0.06 0 [0.00 - 65.2]	2 / 2.46 0.81 [0.10 - 2.94]	5 / 6.12 0.82 [0.27 - 1.91]
> 30	0 / 0.57 0 [0.00 - 6.47]	0 / 0.00 . [. - .]	5 / 3.77 1.33 [0.43 - 3.09]	1 / 0.53 1.89 [0.05 - 10.5]	4 / 1.56 2.57 [0.70 - 6.58]	0 / 0.16 0 [0.00 - 23.1]	2 / 4.59 0.44 [0.05 - 1.57]	12 / 11.18 1.07 [0.55 - 1.88]
Total	4 / 9.27 0.43 [0.12 - 1.10]	0 / 0.07 0 [0.00 - 52.4]	35 / 41.73 0.84 [0.58 - 1.17]	3 / 7.76 0.39 [0.08 - 1.13]	31 / 32.99 0.94 [0.64 - 1.33]	8 / 6.63 1.21 [0.52 - 2.38]	19 / 26.51 0.72 [0.43 - 1.12]	100 / 124.97 0.8 [0.65 - 0.97]

Table 2.9.1
Mortality by cause

TOTAL COHORT
Ever employment in department 101 (wood treatment)

Causes of death (ICD 9th.revision)	Observed	Expected	SMR	95% Confidence intervals
ALL CAUSES	1369	1615.64	0.85	[0.80 - 0.89]
ALL MALIGNANT NEOPLASMS (140-208)	315	365.81	0.86	[0.77 - 0.96]
Oral cavity & pharynx (140-149)	8	9.44	0.85	[0.37 - 1.67]
Oral cavity (141,143-145)	3	3.68	0.81	[0.17 - 2.38]
Nasopharynx (147)	0	0.55	0.00	[0.00 - 6.67]
Oesophagus (150)	5	9.44	0.53	[0.17 - 1.24]
Stomach (151)	38	39.2	0.97	[0.69 - 1.33]
Colon (153)	21	24.25	0.87	[0.54 - 1.32]
Rectum (154)	12	15.69	0.77	[0.40 - 1.34]
Liver (155)	7	7.44	0.94	[0.38 - 1.94]
Gallbladder (156)	1	3.14	0.32	[0.01 - 1.78]
Pancreas (157)	25	19.8	1.26	[0.82 - 1.86]
Peritoneum and other unspecified organs(158-159)	1	1.83	0.55	[0.01 - 3.05]
Nose & sinuses (160)	0	1.39	0.00	[0.00 - 2.65]
Larynx (161)	8	5.25	1.52	[0.66 - 3.00]
Lung (162)	75	82.9	0.90	[0.71 - 1.13]
Pleura (163)	2	1.41	1.42	[0.17 - 5.12]
Other respiratory organs (164-165)	2	0.84	2.39	[0.29 - 8.64]
Bone (170)	0	1.37	0.00	[0.00 - 2.70]
Soft tissue (171)	0	1.55	0.00	[0.00 - 2.38]
Melanoma (172)	1	5.15	0.19	[0.00 - 1.08]
Other skin (173)	2	1.13	1.76	[0.21 - 6.37]
Breast (174-175)	1	3.12	0.32	[0.01 - 1.78]
Cervix uteri (180)	1	0.72	1.39	[0.03 - 7.74]
Corpus uteri & uterus unspecified (179,181-182)	0	0.56	0.00	[0.00 - 6.58]
Ovary (183)	1	1.17	0.86	[0.02 - 4.78]
Other female genital organs (184)	0	0.13	0.00	[0.00 - 27.4]
Prostate (185)	31	40.17	0.77	[0.52 - 1.10]
Testis (186)	0	1.26	0.00	[0.00 - 2.93]
Other male genital organs (187)	0	0.42	0.00	[0.00 - 8.72]
Bladder (188)	7	12.23	0.57	[0.23 - 1.18]
Kidney (189)	8	10.6	0.75	[0.33 - 1.49]
Eye (190)	1	0.56	1.80	[0.04 - 10.0]
Brain (191-192)	10	9.03	1.11	[0.53 - 2.04]
Thyroid (193)	0	1.09	0.00	[0.00 - 3.37]
Other endocrine glands (194)	0	0.46	0.00	[0.00 - 8.09]
Ill defined (195,199)	18	17.12	1.05	[0.62 - 1.66]
Lymphatic & hematopoietic tissue (200-208)	26	30.84	0.84	[0.55 - 1.24]
Non-Hodgkins lymphoma (200,202)	8	8.95	0.89	[0.39 - 1.76]
Hodgkins disease (201)	3	2.64	1.13	[0.23 - 3.32]
Multiple myeloma (203)	5	6.55	0.76	[0.25 - 1.78]
Leukemia & aleukemia (204-208)	10	12.27	0.81	[0.39 - 1.50]
Lymphoid leukemia (204)	4	3.15	1.27	[0.35 - 3.25]
Myeloid leukemia (205)	2	4.85	0.41	[0.05 - 1.49]
BENIGN NEOPLASMS (210-239)	4	7.12	0.56	[0.15 - 1.44]
DIS. OF ENDOCRINE SYSTEM & BLOOD (240-289)	17	25.03	0.68	[0.40 - 1.09]
MENTAL DISORDERS (290-319)	12	18.85	0.64	[0.33 - 1.11]
DIS. OF NERVOUS SYSTEM (320-389)	13	21.72	0.60	[0.32 - 1.02]
DIS. OF CIRCULATORY SYSTEM (390-459)	638	764.96	0.83	[0.77 - 0.90]
Hypertension (401-405)	8	17.87	0.45	[0.19 - 0.88]
Ischaemic heart disease (410-414)	408	474.28	0.86	[0.78 - 0.95]
Cerebrovascular (430-438)	126	149.32	0.84	[0.70 - 1.00]
Other heart diseases (4150,4152-4299)	50	66.41	0.75	[0.56 - 0.99]
DIS. OF RESPIRATORY SYSTEM (460-519)	93	110.5	0.84	[0.68 - 1.03]
Influenza (487)	3	3.39	0.89	[0.18 - 2.59]
Pneumonia (480-486)	48	55.48	0.87	[0.64 - 1.15]
Bronchitis,emphysema & asthma (490-493)	30	32.93	0.91	[0.61 - 1.30]
Pneumoconioses (500-508)	0	1.66	0.00	[0.00 - 2.22]
DIS. OF DIGESTIVE SYSTEM (520-579)	47	55.95	0.84	[0.62 - 1.12]
Liver cirrhosis (571)	19	19.5	0.97	[0.59 - 1.52]
DIS. OF GENITO-URINARY SYSTEM (580-629)	20	23.74	0.84	[0.51 - 1.30]
Nephritis & nephrosis (580-589)	10	9.78	1.02	[0.49 - 1.88]
DIS. OF THE SKIN (680-739)	7	5.54	1.26	[0.51 - 2.61]
SYMPTOMS AND ILL-DEFINED CONDITIONS (780-799)	31	48.66	0.64	[0.43 - 0.90]
EXTERNAL CAUSES (E800-999)	131	146.63	0.89	[0.75 - 1.06]
Traffic accident (E810-819)	17	26.9	0.63	[0.37 - 1.01]
Suicide (E950-959)	31	41.13	0.75	[0.51 - 1.07]
Homicide (E960-969)	2	4.09	0.49	[0.06 - 1.77]
Other external causes (E800-807,E820-949,E970-999)	81	74.51	1.09	[0.86 - 1.35]
UNKNOWN CAUSES	12			
OTHER CAUSES	29			

Table 2.9.2
Mortality by cause

TOTAL COHORT
Ever employment in department 102 (nonwood raw materials)

Causes of death (ICD 9th.revision)	Observed	Expected	SMR	95% Confidence intervals
ALL CAUSES	128	145.75	0.88	[0.73 - 1.04]
ALL MALIGNANT NEOPLASMS (140-208)	36	35.86	1.00	[0.70 - 1.39]
Oral cavity & pharynx (140-149)	0	0.6	0.00	[0.00 - 6.15]
Oral cavity (141,143-145)	0	0.27	0.00	[0.00 - 13.9]
Nasopharynx (147)	0	0.05	0.00	[0.00 - 79.4]
Oesophagus (150)	0	0.62	0.00	[0.00 - 6.00]
Stomach (151)	4	3.46	1.15	[0.31 - 2.96]
Colon (153)	3	2.72	1.10	[0.23 - 3.22]
Rectum (154)	0	1.59	0.00	[0.00 - 2.31]
Liver (155)	3	1.1	2.72	[0.56 - 7.96]
Gallbladder (156)	0	0.58	0.00	[0.00 - 6.31]
Pancreas (157)	4	1.76	2.28	[0.62 - 5.83]
Peritoneum and other unspecified organs(158-159)	0	0.68	0.00	[0.00 - 5.46]
Nose & sinuses (160)	0	0.08	0.00	[0.00 - 47.8]
Larynx (161)	0	0.3	0.00	[0.00 - 12.1]
Lung (162)	5	6.02	0.83	[0.27 - 1.94]
Pleura (163)	1	0.18	5.63	[0.14 - 31.4]
Other respiratory organs (164-165)	0	0.09	0.00	[0.00 - 39.9]
Bone (170)	0	0.19	0.00	[0.00 - 19.9]
Soft tissue (171)	0	0.1	0.00	[0.00 - 36.9]
Melanoma (172)	0	0.42	0.00	[0.00 - 8.87]
Other skin (173)	0	0.11	0.00	[0.00 - 33.1]
Breast (174-175)	2	3	0.67	[0.08 - 2.41]
Cervix uteri (180)	0	0.19	0.00	[0.00 - 19.6]
Corpus uteri & uterus unspecified (179,181-182)	1	1.32	0.76	[0.02 - 4.23]
Ovary (183)	1	0.7	1.42	[0.04 - 7.91]
Other female genital organs (184)	0	0.18	0.00	[0.00 - 20.4]
Prostate (185)	4	1.69	2.36	[0.64 - 6.04]
Testis (186)	0	0.11	0.00	[0.00 - 33.7]
Other male genital organs (187)	0	0.03	0.00	[0.00 - 0145]
Bladder (188)	0	1.1	0.00	[0.00 - 3.35]
Kidney (189)	0	0.83	0.00	[0.00 - 4.42]
Eye (190)	0	0.05	0.00	[0.00 - 81.4]
Brain (191-192)	2	0.89	2.25	[0.27 - 8.15]
Thyroid (193)	0	0.19	0.00	[0.00 - 19.8]
Other endocrine glands (194)	0	0.04	0.00	[0.00 - 90.5]
Ill defined (195,199)	2	1.7	1.18	[0.14 - 4.25]
Lymphatic & hematopoeitic tissue (200-208)	4	2.79	1.43	[0.39 - 3.66]
Non-Hodgkins lymphoma (200,202)	2	0.77	2.61	[0.32 - 9.41]
Hodgkins disease (201)	0	0.24	0.00	[0.00 - 15.2]
Multiple myeloma (203)	0	0.57	0.00	[0.00 - 6.52]
Leukemia & aleukemia (204-208)	2	1.22	1.64	[0.20 - 5.92]
Lymphoid leukemia (204)	0	0.33	0.00	[0.00 - 11.1]
Myeloid leukemia (205)	1	0.48	2.10	[0.05 - 11.7]
BENIGN NEOPLASMS (210-239)	2	0.77	2.59	[0.31 - 9.35]
DIS. OF ENDOCRINE SYSTEM & BLOOD (240-289)	2	5.22	0.38	[0.05 - 1.39]
MENTAL DISORDERS (290-319)	2	1.14	1.76	[0.21 - 6.36]
DIS. OF NERVOUS SYSTEM (320-389)	2	2.25	0.89	[0.11 - 3.22]
DIS. OF CIRCULATORY SYSTEM (390-459)	59	68.17	0.87	[0.66 - 1.12]
Hypertension (401-405)	3	3.51	0.85	[0.18 - 2.50]
Ischaemic heart disease (410-414)	26	29.94	0.87	[0.57 - 1.27]
Cerebrovascular (430-438)	18	17.59	1.02	[0.61 - 1.62]
Other heart diseases (4150,4152-4299)	7	11.19	0.63	[0.25 - 1.29]
DIS. OF RESPIRATORY SYSTEM (460-519)	8	8.31	0.96	[0.42 - 1.90]
Influenza (487)	0	0.27	0.00	[0.00 - 13.8]
Pneumonia (480-486)	2	2.67	0.75	[0.09 - 2.71]
Bronchitis,emphysema & asthma (490-493)	5	3.99	1.25	[0.41 - 2.93]
Pneumoconioses (500-508)	0	0.07	0.00	[0.00 - 52.1]
DIS. OF DIGESTIVE SYSTEM (520-579)	4	6.48	0.62	[0.17 - 1.58]
Liver cirrhosis (571)	0	2.77	0.00	[0.00 - 1.33]
DIS. OF GENITO-URINARY SYSTEM (580-629)	2	1.91	1.05	[0.13 - 3.78]
Nephritis & nephrosis (580-589)	1	1.07	0.94	[0.02 - 5.22]
DIS. OF THE SKIN (680-739)	0	0.58	0.00	[0.00 - 6.31]
SYMPTOMS AND ILL-DEFINED CONDITIONS (780-799)	1	4.92	0.20	[0.01 - 1.13]
EXTERNAL CAUSES (E800-999)	7	8.79	0.80	[0.32 - 1.64]
Traffic accident (E810-819)	2	1.7	1.18	[0.14 - 4.25]
Suicide (E950-959)	1	2.59	0.39	[0.01 - 2.15]
Homicide (E960-969)	0	0.11	0.00	[0.00 - 33.8]
Other external causes (E800-807,E820-949,E970-999)	4	4.39	0.91	[0.25 - 2.33]
UNKNOWN CAUSES	1			
OTHER CAUSES	2			

Table 2.9.3
Mortality by cause

TOTAL COHORT

Ever employment in department 111 (groundwood, production)

Causes of death (ICD 9th.revision)	Observed	Expected	SMR	95% Confidence intervals
ALL CAUSES	155	332.53	0.47	[0.40 - 0.55]
ALL MALIGNANT NEOPLASMS (140-208)	32	68.4	0.47	[0.32 - 0.66]
Oral cavity & pharynx (140-149)	0	1.02	0.00	[0.00 - 3.62]
Oral cavity (141,143-145)	0	0.41	0.00	[0.00 - 8.98]
Nasopharynx (147)	0	0.09	0.00	[0.00 - 39.1]
Oesophagus (150)	0	1.53	0.00	[0.00 - 2.41]
Stomach (151)	6	8.32	0.72	[0.26 - 1.57]
Colon (153)	4	3.47	1.15	[0.31 - 2.95]
Rectum (154)	0	2.73	0.00	[0.00 - 1.35]
Liver (155)	2	1.96	1.02	[0.12 - 3.69]
Gallbladder (156)	0	0.86	0.00	[0.00 - 4.28]
Pancreas (157)	0	3.66	0.00	[0.00 - 1.01]
Peritoneum and other unspecified organs(158-159)	0	0.57	0.00	[0.00 - 6.50]
Nose & sinuses (160)	0	0.16	0.00	[0.00 - 22.7]
Larynx (161)	0	0.63	0.00	[0.00 - 5.89]
Lung (162)	7	18.07	0.39	[0.16 - 0.80]
Pleura (163)	1	0.27	3.66	[0.09 - 20.4]
Other respiratory organs (164-165)	0	0.21	0.00	[0.00 - 17.3]
Bone (170)	0	0.31	0.00	[0.00 - 12.1]
Soft tissue (171)	0	0.34	0.00	[0.00 - 10.9]
Melanoma (172)	1	0.99	1.01	[0.03 - 5.60]
Other skin (173)	0	0.23	0.00	[0.00 - 16.3]
Breast (174-175)	2	1	1.99	[0.24 - 7.20]
Cervix uteri (180)	0	0.19	0.00	[0.00 - 19.3]
Corpus uteri & uterus unspecified (179,181-182)	0	0.19	0.00	[0.00 - 19.2]
Ovary (183)	0	0.4	0.00	[0.00 - 9.15]
Other female genital organs (184)	0	0.05	0.00	[0.00 - 73.2]
Prostate (185)	1	6.6	0.15	[0.00 - 0.84]
Testis (186)	0	0.27	0.00	[0.00 - 13.8]
Other male genital organs (187)	0	0.07	0.00	[0.00 - 51.0]
Bladder (188)	2	1.95	1.03	[0.12 - 3.71]
Kidney (189)	1	1.83	0.55	[0.01 - 3.05]
Eye (190)	0	0.11	0.00	[0.00 - 32.2]
Brain (191-192)	1	1.74	0.58	[0.01 - 3.21]
Thyroid (193)	0	0.22	0.00	[0.00 - 16.5]
Other endocrine glands (194)	0	0.12	0.00	[0.00 - 29.9]
Ill defined (195,199)	1	1.9	0.53	[0.01 - 2.93]
Lymphatic & hematopoeitic tissue (200-208)	1	5.82	0.17	[0.00 - 0.96]
Non-Hodgkins lymphoma (200,202)	0	1.84	0.00	[0.00 - 2.00]
Hodgkins disease (201)	0	0.56	0.00	[0.00 - 6.62]
Multiple myeloma (203)	0	1.03	0.00	[0.00 - 3.58]
Leukemia & aleukemia (204-208)	1	2.4	0.42	[0.01 - 2.32]
Lymphoid leukemia (204)	0	0.77	0.00	[0.00 - 4.77]
Myeloid leukemia (205)	0	1.08	0.00	[0.00 - 3.43]
BENIGN NEOPLASMS (210-239)	0	1.34	0.00	[0.00 - 2.75]
DIS. OF ENDOCRINE SYSTEM & BLOOD (240-289)	3	4.55	0.66	[0.14 - 1.93]
MENTAL DISORDERS (290-319)	0	5.58	0.00	[0.00 - 0.66]
DIS. OF NERVOUS SYSTEM (320-389)	2	4.41	0.45	[0.05 - 1.64]
DIS. OF CIRCULATORY SYSTEM (390-459)	62	153.65	0.40	[0.31 - 0.52]
Hypertension (401-405)	0	2.74	0.00	[0.00 - 1.35]
Ischaemic heart disease (410-414)	42	93.11	0.45	[0.33 - 0.61]
Cerebrovascular (430-438)	13	32.49	0.40	[0.21 - 0.68]
Other heart diseases (4150,4152-4299)	4	14.36	0.28	[0.08 - 0.71]
DIS. OF RESPIRATORY SYSTEM (460-519)	8	25.52	0.31	[0.14 - 0.62]
Influenza (487)	0	0.99	0.00	[0.00 - 3.73]
Pneumonia (480-486)	1	13.13	0.08	[0.00 - 0.42]
Bronchitis,emphysema & asthma (490-493)	3	9.08	0.33	[0.07 - 0.97]
Pneumoconioses (500-508)	1	0.2	5.00	[0.12 - 27.8]
DIS. OF DIGESTIVE SYSTEM (520-579)	8	10.41	0.77	[0.33 - 1.51]
Liver cirrhosis (571)	3	3.13	0.96	[0.20 - 2.80]
DIS. OF GENITO-URINARY SYSTEM (580-629)	2	4.52	0.44	[0.05 - 1.60]
Nephritis & nephrosis (580-589)	1	1.72	0.58	[0.01 - 3.24]
DIS. OF THE SKIN (680-739)	0	1.07	0.00	[0.00 - 3.46]
SYMPTOMS AND ILL-DEFINED CONDITIONS (780-799)	3	3.37	0.89	[0.18 - 2.60]
EXTERNAL CAUSES (E800-999)	31	44.22	0.70	[0.48 - 1.00]
Traffic accident (E810-819)	5	7.82	0.64	[0.21 - 1.49]
Suicide (E950-959)	8	15.55	0.51	[0.22 - 1.01]
Homicide (E960-969)	1	1.44	0.69	[0.02 - 3.87]
Other external causes (E800-807,E820-949,E970-999)	17	19.41	0.88	[0.51 - 1.40]
UNKNOWN CAUSES	1			
OTHER CAUSES	3			

Table 2.9.4
Mortality by cause

TOTAL COHORT
Ever employment in department 112 (groundwood, washing)

Causes of death (ICD 9th.revision)	Observed	Expected	SMR	95% Confidence intervals
ALL CAUSES	52	54.9	0.95	[0.71 - 1.24]
ALL MALIGNANT NEOPLASMS (140-208)	16	12.72	1.26	[0.72 - 2.04]
Oral cavity & pharynx (140-149)	0	0.28	0.00	[0.00 - 13.3]
Oral cavity (141,143-145)	0	0.13	0.00	[0.00 - 29.4]
Nasopharynx (147)	0	0.02	0.00	[0.00 - 0150]
Oesophagus (150)	0	0.26	0.00	[0.00 - 14.4]
Stomach (151)	0	1.36	0.00	[0.00 - 2.72]
Colon (153)	1	0.95	1.06	[0.03 - 5.90]
Rectum (154)	0	0.68	0.00	[0.00 - 5.41]
Liver (155)	0	0.15	0.00	[0.00 - 25.3]
Gallbladder (156)	0	0.08	0.00	[0.00 - 47.6]
Pancreas (157)	0	0.7	0.00	[0.00 - 5.26]
Peritoneum and other unspecified organs(158-159)	0	0.01	0.00	[0.00 - 0523]
Nose & sinuses (160)	0	0.04	0.00	[0.00 - 90.3]
Larynx (161)	0	0.09	0.00	[0.00 - 40.0]
Lung (162)	5	2.59	1.93	[0.63 - 4.50]
Pleura (163)	0	0.07	0.00	[0.00 - 56.1]
Other respiratory organs (164-165)	0	0.02	0.00	[0.00 - 0203]
Bone (170)	0	0.04	0.00	[0.00 - 90.3]
Soft tissue (171)	0	0.07	0.00	[0.00 - 51.7]
Melanoma (172)	0	0.32	0.00	[0.00 - 11.4]
Other skin (173)	0	0.04	0.00	[0.00 - 0102]
Breast (174-175)	0	0.01	0.00	[0.00 - 0340]
Cervix uteri (180)	0	-	-	-
Corpus uteri & uterus unspecified (179,181-182)	0	-	-	-
Ovary (183)	0	-	-	-
Other female genital organs (184)	0	-	-	-
Prostate (185)	3	1.45	2.07	[0.43 - 6.05]
Testis (186)	0	0.08	0.00	[0.00 - 44.6]
Other male genital organs (187)	0	0.02	0.00	[0.00 - 0218]
Bladder (188)	0	0.45	0.00	[0.00 - 8.25]
Kidney (189)	1	0.42	2.39	[0.06 - 13.3]
Eye (190)	0	0.03	0.00	[0.00 - 0143]
Brain (191-192)	1	0.46	2.16	[0.05 - 12.0]
Thyroid (193)	0	0.04	0.00	[0.00 - 0103]
Other endocrine glands (194)	0	0.02	0.00	[0.00 - 0195]
Ill defined (195,199)	2	0.77	2.60	[0.31 - 9.39]
Lymphatic & hematopoeitic tissue (200-208)	3	1.19	2.53	[0.52 - 7.38]
Non-Hodgkins lymphoma (200,202)	0	0.37	0.00	[0.00 - 10.0]
Hodgkins disease (201)	0	0.1	0.00	[0.00 - 36.9]
Multiple myeloma (203)	0	0.28	0.00	[0.00 - 13.4]
Leukemia & aleukemia (204-208)	3	0.45	6.74	[1.39 - 19.7]
Lymphoid leukemia (204)	1	0.11	9.33	[0.23 - 52.0]
Myeloid leukemia (205)	0	0.22	0.00	[0.00 - 16.7]
BENIGN NEOPLASMS (210-239)	0	0.23	0.00	[0.00 - 16.1]
DIS. OF ENDOCRINE SYSTEM & BLOOD (240-289)	2	0.84	2.38	[0.29 - 8.61]
MENTAL DISORDERS (290-319)	0	0.75	0.00	[0.00 - 4.94]
DIS. OF NERVOUS SYSTEM (320-389)	0	0.84	0.00	[0.00 - 4.39]
DIS. OF CIRCULATORY SYSTEM (390-459)	23	25.1	0.92	[0.58 - 1.38]
Hypertension (401-405)	1	0.6	1.67	[0.04 - 9.31]
Ischaemic heart disease (410-414)	17	16.46	1.03	[0.60 - 1.65]
Cerebrovascular (430-438)	4	4.51	0.89	[0.24 - 2.27]
Other heart diseases (4150,4152-4299)	1	1.85	0.54	[0.01 - 3.02]
DIS. OF RESPIRATORY SYSTEM (460-519)	3	3.35	0.89	[0.18 - 2.61]
Influenza (487)	0	0.09	0.00	[0.00 - 40.2]
Pneumonia (480-486)	1	1.7	0.59	[0.01 - 3.28]
Bronchitis,emphysema & asthma (490-493)	1	1.08	0.92	[0.02 - 5.14]
Pneumoconioses (500-508)	0	0.02	0.00	[0.00 - 0168]
DIS. OF DIGESTIVE SYSTEM (520-579)	0	1.5	0.00	[0.00 - 2.47]
Liver cirrhosis (571)	0	0.49	0.00	[0.00 - 7.47]
DIS. OF GENITO-URINARY SYSTEM (580-629)	0	0.7	0.00	[0.00 - 5.25]
Nephritis & nephrosis (580-589)	0	0.28	0.00	[0.00 - 13.0]
DIS. OF THE SKIN (680-739)	0	0.18	0.00	[0.00 - 20.2]
SYMPTOMS AND ILL-DEFINED CONDITIONS (780-799)	3	2.45	1.22	[0.25 - 3.58]
EXTERNAL CAUSES (E800-999)	5	5.69	0.88	[0.29 - 2.05]
Traffic accident (E810-819)	1	1.02	0.98	[0.02 - 5.45]
Suicide (E950-959)	0	1.68	0.00	[0.00 - 2.20]
Homicide (E960-969)	0	0.12	0.00	[0.00 - 30.6]
Other external causes (E800-807,E820-949,E970-999)	4	2.87	1.40	[0.38 - 3.57]
UNKNOWN CAUSES	0			
OTHER CAUSES	0			

Table 2.9.5
Mortality by cause

TOTAL COHORT
Ever employment in department 113 (groundwood, bleaching)

Causes of death (ICD 9th.revision)	Observed	Expected	SMR	95% Confidence intervals
ALL CAUSES	77	77.1	1.00	[0.79 - 1.25]
ALL MALIGNANT NEOPLASMS (140-208)	17	16.94	1.00	[0.58 - 1.61]
Oral cavity & pharynx (140-149)	0	0.33	0.00	[0.00 - 11.2]
Oral cavity (141,143-145)	0	0.15	0.00	[0.00 - 24.1]
Nasopharynx (147)	0	0.02	0.00	[0.00 - 0149]
Oesophagus (150)	0	0.32	0.00	[0.00 - 11.6]
Stomach (151)	3	2.23	1.35	[0.28 - 3.94]
Colon (153)	3	1.24	2.41	[0.50 - 7.05]
Rectum (154)	1	0.9	1.11	[0.03 - 6.21]
Liver (155)	0	0.18	0.00	[0.00 - 20.7]
Gallbladder (156)	0	0.1	0.00	[0.00 - 38.1]
Pancreas (157)	0	0.96	0.00	[0.00 - 3.84]
Peritoneum and other unspecified organs(158-159)	0	-	-	-
Nose & sinuses (160)	1	0.06	18.10	[0.45 - 0101]
Larynx (161)	0	0.12	0.00	[0.00 - 30.1]
Lung (162)	4	2.97	1.35	[0.37 - 3.45]
Pleura (163)	0	0.07	0.00	[0.00 - 56.4]
Other respiratory organs (164-165)	0	0.02	0.00	[0.00 - 0184]
Bone (170)	0	0.04	0.00	[0.00 - 0104]
Soft tissue (171)	0	0.08	0.00	[0.00 - 47.9]
Melanoma (172)	0	0.26	0.00	[0.00 - 14.3]
Other skin (173)	0	0.06	0.00	[0.00 - 60.2]
Breast (174-175)	0	0.01	0.00	[0.00 - 0250]
Cervix uteri (180)	0	-	-	-
Corpus uteri & uterus unspecified (179,181-182)	0	-	-	-
Ovary (183)	0	-	-	-
Other female genital organs (184)	0	-	-	-
Prostate (185)	3	2.54	1.18	[0.24 - 3.45]
Testis (186)	0	0.07	0.00	[0.00 - 56.7]
Other male genital organs (187)	0	0.03	0.00	[0.00 - 0140]
Bladder (188)	0	0.71	0.00	[0.00 - 5.22]
Kidney (189)	0	0.53	0.00	[0.00 - 6.97]
Eye (190)	0	0.03	0.00	[0.00 - 0118]
Brain (191-192)	1	0.41	2.46	[0.06 - 13.7]
Thyroid (193)	0	0.05	0.00	[0.00 - 69.7]
Other endocrine glands (194)	0	0.02	0.00	[0.00 - 0213]
Ill defined (195,199)	0	1.05	0.00	[0.00 - 3.52]
Lymphatic & hematopoeitic tissue (200-208)	1	1.5	0.67	[0.02 - 3.71]
Non-Hodgkins lymphoma (200,202)	1	0.41	2.41	[0.06 - 13.4]
Hodgkins disease (201)	0	0.12	0.00	[0.00 - 30.4]
Multiple myeloma (203)	0	0.39	0.00	[0.00 - 9.54]
Leukemia & aleukemia (204-208)	0	0.58	0.00	[0.00 - 6.34]
Lymphoid leukemia (204)	0	0.14	0.00	[0.00 - 25.9]
Myeloid leukemia (205)	0	0.22	0.00	[0.00 - 16.7]
BENIGN NEOPLASMS (210-239)	1	0.36	2.80	[0.07 - 15.6]
DIS. OF ENDOCRINE SYSTEM & BLOOD (240-289)	2	1.04	1.92	[0.23 - 6.92]
MENTAL DISORDERS (290-319)	0	0.65	0.00	[0.00 - 5.69]
DIS. OF NERVOUS SYSTEM (320-389)	1	1.05	0.96	[0.02 - 5.33]
DIS. OF CIRCULATORY SYSTEM (390-459)	37	38.51	0.96	[0.68 - 1.32]
Hypertension (401-405)	0	0.98	0.00	[0.00 - 3.76]
Ischaemic heart disease (410-414)	22	23.73	0.93	[0.58 - 1.40]
Cerebrovascular (430-438)	8	8.24	0.97	[0.42 - 1.91]
Other heart diseases (4150,4152-4299)	4	2.87	1.39	[0.38 - 3.56]
DIS. OF RESPIRATORY SYSTEM (460-519)	6	5.86	1.02	[0.38 - 2.23]
Influenza (487)	0	0.19	0.00	[0.00 - 19.4]
Pneumonia (480-486)	2	3.45	0.58	[0.07 - 2.09]
Bronchitis,emphysema & asthma (490-493)	4	1.59	2.52	[0.69 - 6.45]
Pneumoconioses (500-508)	0	0.04	0.00	[0.00 - 98.7]
DIS. OF DIGESTIVE SYSTEM (520-579)	0	2.02	0.00	[0.00 - 1.83]
Liver cirrhosis (571)	0	0.38	0.00	[0.00 - 9.73]
DIS. OF GENITO-URINARY SYSTEM (580-629)	0	1.34	0.00	[0.00 - 2.76]
Nephritis & nephrosis (580-589)	0	0.46	0.00	[0.00 - 8.09]
DIS. OF THE SKIN (680-739)	1	0.26	3.82	[0.10 - 21.3]
SYMPTOMS AND ILL-DEFINED CONDITIONS (780-799)	3	3.69	0.81	[0.17 - 2.38]
EXTERNAL CAUSES (E800-999)	6	4.58	1.31	[0.48 - 2.85]
Traffic accident (E810-819)	1	0.73	1.36	[0.03 - 7.59]
Suicide (E950-959)	4	1.05	3.79	[1.03 - 9.71]
Homicide (E960-969)	0	0.06	0.00	[0.00 - 64.2]
Other external causes (E800-807,E820-949,E970-999)	1	2.73	0.37	[0.01 - 2.04]
UNKNOWN CAUSES	0			
OTHER CAUSES	3			

Table 2.9.6
Mortality by cause

TOTAL COHORT
Ever employment in department 119 (groundwood, unknown)

Causes of death (ICD 9th.revision)	Observed	Expected	SMR	95% Confidence intervals
ALL CAUSES	208	188.59	1.10	[0.96 - 1.26]
ALL MALIGNANT NEOPLASMS (140-208)	39	40.46	0.96	[0.69 - 1.32]
Oral cavity & pharynx (140-149)	0	0.61	0.00	[0.00 - 6.04]
Oral cavity (141,143-145)	0	0.26	0.00	[0.00 - 14.1]
Nasopharynx (147)	0	0.05	0.00	[0.00 - 71.7]
Oesophagus (150)	0	0.95	0.00	[0.00 - 3.90]
Stomach (151)	3	5.75	0.52	[0.11 - 1.52]
Colon (153)	3	2.14	1.40	[0.29 - 4.10]
Rectum (154)	1	1.6	0.62	[0.02 - 3.48]
Liver (155)	0	0.65	0.00	[0.00 - 5.67]
Gallbladder (156)	1	0.55	1.83	[0.05 - 10.2]
Pancreas (157)	2	2.3	0.87	[0.11 - 3.14]
Peritoneum and other unspecified organs(158-159)	0	0.37	0.00	[0.00 - 9.97]
Nose & sinuses (160)	0	0.11	0.00	[0.00 - 33.4]
Larynx (161)	0	0.36	0.00	[0.00 - 10.4]
Lung (162)	9	9.47	0.95	[0.43 - 1.81]
Pleura (163)	1	0.12	8.10	[0.20 - 45.2]
Other respiratory organs (164-165)	0	0.12	0.00	[0.00 - 31.2]
Bone (170)	0	0.15	0.00	[0.00 - 24.0]
Soft tissue (171)	0	0.16	0.00	[0.00 - 23.2]
Melanoma (172)	1	0.47	2.12	[0.05 - 11.8]
Other skin (173)	0	0.13	0.00	[0.00 - 27.7]
Breast (174-175)	0	1.39	0.00	[0.00 - 2.65]
Cervix uteri (180)	0	0.38	0.00	[0.00 - 9.65]
Corpus uteri & uterus unspecified (179,181-182)	1	0.42	2.38	[0.06 - 13.3]
Ovary (183)	2	0.6	3.32	[0.40 - 12.0]
Other female genital organs (184)	0	0.11	0.00	[0.00 - 33.6]
Prostate (185)	5	3.05	1.64	[0.53 - 3.82]
Testis (186)	0	0.09	0.00	[0.00 - 42.7]
Other male genital organs (187)	0	0.03	0.00	[0.00 - 0106]
Bladder (188)	1	1.09	0.92	[0.02 - 5.12]
Kidney (189)	1	1.09	0.91	[0.02 - 5.09]
Eye (190)	0	0.07	0.00	[0.00 - 52.1]
Brain (191-192)	0	0.85	0.00	[0.00 - 4.36]
Thyroid (193)	0	0.19	0.00	[0.00 - 19.5]
Other endocrine glands (194)	0	0.06	0.00	[0.00 - 60.8]
Ill defined (195,199)	1	1.38	0.72	[0.02 - 4.03]
Lymphatic & hematopoeitic tissue (200-208)	5	3.19	1.57	[0.51 - 3.66]
Non-Hodgkins lymphoma (200,202)	0	0.94	0.00	[0.00 - 3.91]
Hodgkins disease (201)	0	0.3	0.00	[0.00 - 12.4]
Multiple myeloma (203)	4	0.69	5.78	[1.58 - 14.8]
Leukemia & aleukemia (204-208)	1	1.26	0.79	[0.02 - 4.43]
Lymphoid leukemia (204)	0	0.31	0.00	[0.00 - 11.7]
Myeloid leukemia (205)	0	0.45	0.00	[0.00 - 8.26]
BENIGN NEOPLASMS (210-239)	1	0.77	1.29	[0.03 - 7.19]
DIS. OF ENDOCRINE SYSTEM & BLOOD (240-289)	3	2.96	1.01	[0.21 - 2.96]
MENTAL DISORDERS (290-319)	0	2.36	0.00	[0.00 - 1.56]
DIS. OF NERVOUS SYSTEM (320-389)	4	2.31	1.73	[0.47 - 4.43]
DIS. OF CIRCULATORY SYSTEM (390-459)	110	97.2	1.13	[0.93 - 1.36]
Hypertension (401-405)	2	2.68	0.75	[0.09 - 2.70]
Ischaemic heart disease (410-414)	47	58.59	0.80	[0.59 - 1.07]
Cerebrovascular (430-438)	15	21.14	0.71	[0.40 - 1.17]
Other heart diseases (4150,4152-4299)	12	7.95	1.51	[0.78 - 2.64]
DIS. OF RESPIRATORY SYSTEM (460-519)	18	12.83	1.40	[0.83 - 2.22]
Influenza (487)	0	0.69	0.00	[0.00 - 5.31]
Pneumonia (480-486)	10	6.56	1.52	[0.73 - 2.80]
Bronchitis,emphysema & asthma (490-493)	5	3.91	1.28	[0.42 - 2.99]
Pneumoconioses (500-508)	0	0.07	0.00	[0.00 - 49.3]
DIS. OF DIGESTIVE SYSTEM (520-579)	5	5.33	0.94	[0.30 - 2.19]
Liver cirrhosis (571)	0	0.79	0.00	[0.00 - 4.68]
DIS. OF GENITO-URINARY SYSTEM (580-629)	4	3.3	1.21	[0.33 - 3.11]
Nephritis & nephrosis (580-589)	1	1.42	0.70	[0.02 - 3.92]
DIS. OF THE SKIN (680-739)	0	0.81	0.00	[0.00 - 4.58]
SYMPTOMS AND ILL-DEFINED CONDITIONS (780-799)	4	3.04	1.32	[0.36 - 3.37]
EXTERNAL CAUSES (E800-999)	15	13.15	1.14	[0.64 - 1.88]
Traffic accident (E810-819)	4	2.45	1.63	[0.44 - 4.17]
Suicide (E950-959)	1	3.83	0.26	[0.01 - 1.45]
Homicide (E960-969)	0	0.31	0.00	[0.00 - 12.0]
Other external causes (E800-807,E820-949,E970-999)	10	6.55	1.53	[0.73 - 2.81]
UNKNOWN CAUSES	0			
OTHER CAUSES	5			

Table 2.9.7
Mortality by cause

TOTAL COHORT

Ever employment in department 129 (TMP/RMP pulp, unknown)

Causes of death (ICD 9th.revision)	Observed	Expected	SMR	95% Confidence intervals
ALL CAUSES	63	72.14	0.87	[0.67 - 1.12]
ALL MALIGNANT NEOPLASMS (140-208)	22	23.22	0.95	[0.59 - 1.43]
Oral cavity & pharynx (140-149)	2	1.9	1.05	[0.13 - 3.80]
Oral cavity (141,143-145)	0	0.67	0.00	[0.00 - 5.47]
Nasopharynx (147)	0	0.04	0.00	[0.00 - 93.9]
Oesophagus (150)	2	1.62	1.24	[0.15 - 4.46]
Stomach (151)	2	1.28	1.57	[0.19 - 5.66]
Colon (153)	0	1.36	0.00	[0.00 - 2.71]
Rectum (154)	0	0.66	0.00	[0.00 - 5.55]
Liver (155)	0	0.86	0.00	[0.00 - 4.29]
Gallbladder (156)	1	0.15	6.84	[0.17 - 38.1]
Pancreas (157)	1	0.83	1.21	[0.03 - 6.73]
Peritoneum and other unspecified organs(158-159)	0	0.47	0.00	[0.00 - 7.86]
Nose & sinuses (160)	0	0.36	0.00	[0.00 - 10.3]
Larynx (161)	4	1.31	3.06	[0.83 - 7.82]
Lung (162)	2	5.33	0.38	[0.05 - 1.35]
Pleura (163)	0	0.13	0.00	[0.00 - 27.5]
Other respiratory organs (164-165)	1	0.12	8.31	[0.21 - 46.3]
Bone (170)	0	0.17	0.00	[0.00 - 21.8]
Soft tissue (171)	0	0.06	0.00	[0.00 - 60.2]
Melanoma (172)	0	0.11	0.00	[0.00 - 32.3]
Other skin (173)	0	0.07	0.00	[0.00 - 56.2]
Breast (174-175)	0	0.04	0.00	[0.00 - 82.8]
Cervix uteri (180)	0	-	-	-
Corpus uteri & uterus unspecified (179,181-182)	0	-	-	-
Ovary (183)	0	-	-	-
Other female genital organs (184)	0	-	-	-
Prostate (185)	2	1.47	1.36	[0.16 - 4.91]
Testis (186)	0	0.06	0.00	[0.00 - 61.5]
Other male genital organs (187)	0	0.02	0.00	[0.00 - 0179]
Bladder (188)	1	0.72	1.39	[0.03 - 7.76]
Kidney (189)	0	0.48	0.00	[0.00 - 7.69]
Eye (190)	0	0.01	0.00	[0.00 - 0261]
Brain (191-192)	0	0.38	0.00	[0.00 - 9.82]
Thyroid (193)	0	0.05	0.00	[0.00 - 72.0]
Other endocrine glands (194)	0	0.02	0.00	[0.00 - 0167]
Ill defined (195,199)	4	1.5	2.66	[0.72 - 6.81]
Lymphatic & hematopoietic tissue (200-208)	0	1.3	0.00	[0.00 - 2.85]
Non-Hodgkins lymphoma (200,202)	0	0.37	0.00	[0.00 - 10.0]
Hodgkins disease (201)	0	0.11	0.00	[0.00 - 34.3]
Multiple myeloma (203)	0	0.2	0.00	[0.00 - 18.2]
Leukemia & aleukemia (204-208)	0	0.62	0.00	[0.00 - 5.97]
Lymphoid leukemia (204)	0	0.16	0.00	[0.00 - 22.5]
Myeloid leukemia (205)	0	0.23	0.00	[0.00 - 15.9]
BENIGN NEOPLASMS (210-239)	0	0.62	0.00	[0.00 - 5.99]
DIS. OF ENDOCRINE SYSTEM & BLOOD (240-289)	2	1.55	1.29	[0.16 - 4.65]
MENTAL DISORDERS (290-319)	1	1.48	0.68	[0.02 - 3.77]
DIS. OF NERVOUS SYSTEM (320-389)	2	1.21	1.66	[0.20 - 5.99]
DIS. OF CIRCULATORY SYSTEM (390-459)	14	20.27	0.69	[0.38 - 1.16]
Hypertension (401-405)	1	0.54	1.87	[0.05 - 10.4]
Ischaemic heart disease (410-414)	7	7.62	0.92	[0.37 - 1.89]
Cerebrovascular (430-438)	2	5.16	0.39	[0.05 - 1.40]
Other heart diseases (4150,4152-4299)	1	4.54	0.22	[0.01 - 1.23]
DIS. OF RESPIRATORY SYSTEM (460-519)	3	3.98	0.75	[0.16 - 2.20]
Influenza (487)	0	0.17	0.00	[0.00 - 21.7]
Pneumonia (480-486)	0	0.85	0.00	[0.00 - 4.34]
Bronchitis,emphysema & asthma (490-493)	2	0.92	2.18	[0.26 - 7.89]
Pneumoconioses (500-508)	0	0.34	0.00	[0.00 - 10.8]
DIS. OF DIGESTIVE SYSTEM (520-579)	4	5.93	0.67	[0.18 - 1.73]
Liver cirrhosis (571)	3	3.85	0.78	[0.16 - 2.27]
DIS. OF GENITO-URINARY SYSTEM (580-629)	0	0.77	0.00	[0.00 - 4.81]
Nephritis & nephrosis (580-589)	0	0.43	0.00	[0.00 - 8.63]
DIS. OF THE SKIN (680-739)	0	0.27	0.00	[0.00 - 13.7]
SYMPTOMS AND ILL-DEFINED CONDITIONS (780-799)	0	3.55	0.00	[0.00 - 1.04]
EXTERNAL CAUSES (E800-999)	8	8.2	0.98	[0.42 - 1.92]
Traffic accident (E810-819)	1	2.11	0.47	[0.01 - 2.65]
Suicide (E950-959)	1	2.39	0.42	[0.01 - 2.33]
Homicide (E960-969)	0	0.1	0.00	[0.00 - 35.2]
Other external causes (E800-807,E820-949,E970-999)	6	3.6	1.67	[0.61 - 3.63]
UNKNOWN CAUSES	6			
OTHER CAUSES	1			

Table 2.9.8
Mortality by cause

TOTAL COHORT
Ever employment in department 131 (CTMP pulp, production)

Causes of death (ICD 9th.revision)	Observed	Expected	SMR	95% Confidence intervals
ALL CAUSES	71	71.64	0.99	[0.77 - 1.25]
ALL MALIGNANT NEOPLASMS (140-208)	18	16.71	1.08	[0.64 - 1.70]
Oral cavity & pharynx (140-149)	0	0.34	0.00	[0.00 - 10.9]
Oral cavity (141,143-145)	0	0.16	0.00	[0.00 - 23.7]
Nasopharynx (147)	0	0.03	0.00	[0.00 - 0138]
Oesophagus (150)	0	0.32	0.00	[0.00 - 11.7]
Stomach (151)	4	1.87	2.14	[0.58 - 5.47]
Colon (153)	1	1.27	0.79	[0.02 - 4.38]
Rectum (154)	0	0.86	0.00	[0.00 - 4.28]
Liver (155)	1	0.25	3.98	[0.10 - 22.2]
Gallbladder (156)	0	0.12	0.00	[0.00 - 29.6]
Pancreas (157)	2	0.95	2.11	[0.26 - 7.62]
Peritoneum and other unspecified organs(158-159)	0	0.01	0.00	[0.00 - 0284]
Nose & sinuses (160)	0	0.06	0.00	[0.00 - 64.4]
Larynx (161)	0	0.12	0.00	[0.00 - 30.2]
Lung (162)	3	2.95	1.02	[0.21 - 2.97]
Pleura (163)	0	0.07	0.00	[0.00 - 52.5]
Other respiratory organs (164-165)	0	0.02	0.00	[0.00 - 0173]
Bone (170)	0	0.05	0.00	[0.00 - 80.8]
Soft tissue (171)	0	0.08	0.00	[0.00 - 44.0]
Melanoma (172)	1	0.31	3.18	[0.08 - 17.7]
Other skin (173)	0	0.05	0.00	[0.00 - 80.5]
Breast (174-175)	1	0.44	2.30	[0.06 - 12.8]
Cervix uteri (180)	0	0.1	0.00	[0.00 - 35.7]
Corpus uteri & uterus unspecified (179,181-182)	0	0.08	0.00	[0.00 - 46.7]
Ovary (183)	0	0.19	0.00	[0.00 - 19.2]
Other female genital organs (184)	0	0.03	0.00	[0.00 - 0140]
Prostate (185)	0	1.66	0.00	[0.00 - 2.23]
Testis (186)	0	0.09	0.00	[0.00 - 41.2]
Other male genital organs (187)	0	0.02	0.00	[0.00 - 0193]
Bladder (188)	2	0.58	3.46	[0.42 - 12.5]
Kidney (189)	0	0.53	0.00	[0.00 - 7.03]
Eye (190)	0	0.03	0.00	[0.00 - 0117]
Brain (191-192)	0	0.5	0.00	[0.00 - 7.42]
Thyroid (193)	0	0.06	0.00	[0.00 - 60.4]
Other endocrine glands (194)	0	0.02	0.00	[0.00 - 0167]
Ill defined (195,199)	0	1.07	0.00	[0.00 - 3.46]
Lymphatic & hematopoeitic tissue (200-208)	3	1.53	1.96	[0.40 - 5.73]
Non-Hodgkins lymphoma (200,202)	0	0.45	0.00	[0.00 - 8.25]
Hodgkins disease (201)	1	0.13	7.42	[0.19 - 41.3]
Multiple myeloma (203)	1	0.37	2.73	[0.07 - 15.2]
Leukemia & aleukemia (204-208)	1	0.58	1.72	[0.04 - 9.58]
Lymphoid leukemia (204)	0	0.14	0.00	[0.00 - 26.9]
Myeloid leukemia (205)	1	0.25	4.02	[0.10 - 22.4]
BENIGN NEOPLASMS (210-239)	0	0.36	0.00	[0.00 - 10.2]
DIS. OF ENDOCRINE SYSTEM & BLOOD (240-289)	0	1.08	0.00	[0.00 - 3.41]
MENTAL DISORDERS (290-319)	0	0.78	0.00	[0.00 - 4.72]
DIS. OF NERVOUS SYSTEM (320-389)	2	1.08	1.85	[0.22 - 6.67]
DIS. OF CIRCULATORY SYSTEM (390-459)	35	33.64	1.04	[0.72 - 1.45]
Hypertension (401-405)	2	0.85	2.34	[0.28 - 8.47]
Ischaemic heart disease (410-414)	22	20.59	1.07	[0.67 - 1.62]
Cerebrovascular (430-438)	7	6.99	1.00	[0.40 - 2.06]
Other heart diseases (4150,4152-4299)	3	2.82	1.06	[0.22 - 3.11]
DIS. OF RESPIRATORY SYSTEM (460-519)	3	4.88	0.61	[0.13 - 1.79]
Influenza (487)	0	0.16	0.00	[0.00 - 23.5]
Pneumonia (480-486)	2	2.76	0.73	[0.09 - 2.62]
Bronchitis,emphysema & asthma (490-493)	1	1.35	0.74	[0.02 - 4.12]
Pneumoconioses (500-508)	0	0.04	0.00	[0.00 - 0104]
DIS. OF DIGESTIVE SYSTEM (520-579)	3	2.1	1.43	[0.29 - 4.17]
Liver cirrhosis (571)	0	0.59	0.00	[0.00 - 6.28]
DIS. OF GENITO-URINARY SYSTEM (580-629)	0	0.98	0.00	[0.00 - 3.77]
Nephritis & nephrosis (580-589)	0	0.42	0.00	[0.00 - 8.73]
DIS. OF THE SKIN (680-739)	0	0.31	0.00	[0.00 - 11.9]
SYMPTOMS AND ILL-DEFINED CONDITIONS (780-799)	3	3.17	0.95	[0.20 - 2.76]
EXTERNAL CAUSES (E800-999)	5	5.72	0.87	[0.28 - 2.04]
Traffic accident (E810-819)	1	0.96	1.05	[0.03 - 5.83]
Suicide (E950-959)	2	1.45	1.38	[0.17 - 4.97]
Homicide (E960-969)	0	0.08	0.00	[0.00 - 44.7]
Other external causes (E800-807,E820-949,E970-999)	2	3.22	0.62	[0.08 - 2.24]
UNKNOWN CAUSES	0			
OTHER CAUSES	2			

Table 2.9.9
Mortality by cause

TOTAL COHORT
Ever employment in department 141 (sulphite pulp, digestion)

Causes of death (ICD 9th.revision)	Observed	Expected	SMR	95% Confidence intervals
ALL CAUSES	303	357.63	0.85	[0.75 - 0.95]
ALL MALIGNANT NEOPLASMS (140-208)	78	83.67	0.93	[0.74 - 1.16]
Oral cavity & pharynx (140-149)	0	1.58	0.00	[0.00 - 2.34]
Oral cavity (141,143-145)	0	0.7	0.00	[0.00 - 5.26]
Nasopharynx (147)	0	0.12	0.00	[0.00 - 29.6]
Oesophagus (150)	1	1.78	0.56	[0.01 - 3.13]
Stomach (151)	9	8.46	1.06	[0.49 - 2.02]
Colon (153)	6	5.83	1.03	[0.38 - 2.24]
Rectum (154)	2	3.94	0.51	[0.06 - 1.83]
Liver (155)	1	1.15	0.87	[0.02 - 4.85]
Gallbladder (156)	1	0.68	1.47	[0.04 - 8.21]
Pancreas (157)	5	4.63	1.08	[0.35 - 2.52]
Peritoneum and other unspecified organs(158-159)	0	0.27	0.00	[0.00 - 13.7]
Nose & sinuses (160)	0	0.22	0.00	[0.00 - 17.0]
Larynx (161)	2	0.81	2.46	[0.30 - 8.89]
Lung (162)	29	20.07	1.45	[0.97 - 2.08]
Pleura (163)	0	0.37	0.00	[0.00 - 9.94]
Other respiratory organs (164-165)	0	0.18	0.00	[0.00 - 20.4]
Bone (170)	0	0.22	0.00	[0.00 - 17.0]
Soft tissue (171)	0	0.34	0.00	[0.00 - 10.9]
Melanoma (172)	0	1.21	0.00	[0.00 - 3.05]
Other skin (173)	0	0.26	0.00	[0.00 - 14.4]
Breast (174-175)	1	0.64	1.57	[0.04 - 8.74]
Cervix uteri (180)	0	0.13	0.00	[0.00 - 28.5]
Corpus uteri & uterus unspecified (179,181-182)	0	0.12	0.00	[0.00 - 32.0]
Ovary (183)	0	0.25	0.00	[0.00 - 14.6]
Other female genital organs (184)	0	0.03	0.00	[0.00 - 0125]
Prostate (185)	2	9.73	0.21	[0.02 - 0.74]
Testis (186)	0	0.34	0.00	[0.00 - 10.7]
Other male genital organs (187)	1	0.11	9.30	[0.23 - 51.8]
Bladder (188)	2	3.32	0.60	[0.07 - 2.18]
Kidney (189)	2	2.54	0.79	[0.10 - 2.85]
Eye (190)	0	0.14	0.00	[0.00 - 25.9]
Brain (191-192)	1	2.11	0.47	[0.01 - 2.64]
Thyroid (193)	0	0.26	0.00	[0.00 - 14.3]
Other endocrine glands (194)	0	0.11	0.00	[0.00 - 33.3]
Ill defined (195,199)	2	4.05	0.49	[0.06 - 1.78]
Lymphatic & hematopoeitic tissue (200-208)	9	7.06	1.28	[0.58 - 2.42]
Non-Hodgkins lymphoma (200,202)	5	2.07	2.41	[0.78 - 5.62]
Hodgkins disease (201)	0	0.58	0.00	[0.00 - 6.33]
Multiple myeloma (203)	0	1.58	0.00	[0.00 - 2.33]
Leukemia & aleukemia (204-208)	4	2.8	1.43	[0.39 - 3.66]
Lymphoid leukemia (204)	0	0.8	0.00	[0.00 - 4.62]
Myeloid leukemia (205)	3	1.17	2.56	[0.53 - 7.47]
BENIGN NEOPLASMS (210-239)	2	1.59	1.26	[0.15 - 4.54]
DIS. OF ENDOCRINE SYSTEM & BLOOD (240-289)	3	5.54	0.54	[0.11 - 1.58]
MENTAL DISORDERS (290-319)	5	3.77	1.33	[0.43 - 3.10]
DIS. OF NERVOUS SYSTEM (320-389)	2	4.71	0.42	[0.05 - 1.53]
DIS. OF CIRCULATORY SYSTEM (390-459)	140	172.96	0.81	[0.68 - 0.96]
Hypertension (401-405)	3	3.87	0.78	[0.16 - 2.27]
Ischaemic heart disease (410-414)	94	110.02	0.85	[0.69 - 1.05]
Cerebrovascular (430-438)	28	33.01	0.85	[0.56 - 1.23]
Other heart diseases (4150,4152-4299)	7	13.74	0.51	[0.20 - 1.05]
DIS. OF RESPIRATORY SYSTEM (460-519)	14	26.5	0.53	[0.29 - 0.89]
Influenza (487)	1	0.78	1.28	[0.03 - 7.11]
Pneumonia (480-486)	7	12.68	0.55	[0.22 - 1.14]
Bronchitis,emphysema & asthma (490-493)	4	9.55	0.42	[0.11 - 1.07]
Pneumoconioses (500-508)	0	0.27	0.00	[0.00 - 13.5]
DIS. OF DIGESTIVE SYSTEM (520-579)	7	10.89	0.64	[0.26 - 1.32]
Liver cirrhosis (571)	4	3.33	1.20	[0.33 - 3.08]
DIS. OF GENITO-URINARY SYSTEM (580-629)	6	5.17	1.16	[0.43 - 2.53]
Nephritis & nephrosis (580-589)	4	1.92	2.08	[0.57 - 5.32]
DIS. OF THE SKIN (680-739)	0	1.21	0.00	[0.00 - 3.06]
SYMPTOMS AND ILL-DEFINED CONDITIONS (780-799)	14	12.48	1.12	[0.61 - 1.88]
EXTERNAL CAUSES (E800-999)	24	24.93	0.96	[0.62 - 1.43]
Traffic accident (E810-819)	3	4.47	0.67	[0.14 - 1.96]
Suicide (E950-959)	8	8.04	0.99	[0.43 - 1.96]
Homicide (E960-969)	0	0.42	0.00	[0.00 - 8.84]
Other external causes (E800-807,E820-949,E970-999)	13	12	1.08	[0.58 - 1.85]
UNKNOWN CAUSES	1			
OTHER CAUSES	7			

Table 2.9.10
Mortality by cause

TOTAL COHORT
Ever employment in department 142 (sulphite pulp, washing)

Causes of death (ICD 9th.revision)	Observed	Expected	SMR	95% Confidence intervals
ALL CAUSES	64	55.3	1.16	[0.89 - 1.48]
ALL MALIGNANT NEOPLASMS (140-208)	18	12.82	1.40	[0.83 - 2.22]
Oral cavity & pharynx (140-149)	0	0.26	0.00	[0.00 - 14.0]
Oral cavity (141,143-145)	0	0.12	0.00	[0.00 - 31.6]
Nasopharynx (147)	0	0.02	0.00	[0.00 - 0184]
Oesophagus (150)	0	0.26	0.00	[0.00 - 14.0]
Stomach (151)	1	1.35	0.74	[0.02 - 4.12]
Colon (153)	2	0.93	2.14	[0.26 - 7.74]
Rectum (154)	0	0.63	0.00	[0.00 - 5.85]
Liver (155)	0	0.15	0.00	[0.00 - 24.0]
Gallbladder (156)	0	0.09	0.00	[0.00 - 42.3]
Pancreas (157)	2	0.73	2.72	[0.33 - 9.84]
Peritoneum and other unspecified organs(158-159)	0	0.02	0.00	[0.00 - 0229]
Nose & sinuses (160)	0	0.04	0.00	[0.00 - 91.3]
Larynx (161)	0	0.12	0.00	[0.00 - 31.3]
Lung (162)	7	2.87	2.44	[0.98 - 5.02]
Pleura (163)	0	0.05	0.00	[0.00 - 67.1]
Other respiratory organs (164-165)	0	0.02	0.00	[0.00 - 0178]
Bone (170)	1	0.04	28.00	[0.70 - 0156]
Soft tissue (171)	0	0.06	0.00	[0.00 - 63.9]
Melanoma (172)	0	0.21	0.00	[0.00 - 17.6]
Other skin (173)	0	0.04	0.00	[0.00 - 0105]
Breast (174-175)	0	0.02	0.00	[0.00 - 0188]
Cervix uteri (180)	0	-	-	-
Corpus uteri & uterus unspecified (179,181-182)	0	-	-	-
Ovary (183)	0	-	-	-
Other female genital organs (184)	0	-	-	-
Prostate (185)	2	1.52	1.31	[0.16 - 4.75]
Testis (186)	0	0.06	0.00	[0.00 - 62.5]
Other male genital organs (187)	0	0.02	0.00	[0.00 - 0210]
Bladder (188)	0	0.5	0.00	[0.00 - 7.33]
Kidney (189)	0	0.41	0.00	[0.00 - 8.97]
Eye (190)	0	0.02	0.00	[0.00 - 0161]
Brain (191-192)	0	0.35	0.00	[0.00 - 10.5]
Thyroid (193)	0	0.04	0.00	[0.00 - 99.7]
Other endocrine glands (194)	0	0.02	0.00	[0.00 - 0232]
Ill defined (195,199)	0	0.7	0.00	[0.00 - 5.27]
Lymphatic & hematopoeitic tissue (200-208)	3	1.14	2.63	[0.54 - 7.67]
Non-Hodgkins lymphoma (200,202)	1	0.33	3.03	[0.08 - 16.9]
Hodgkins disease (201)	0	0.1	0.00	[0.00 - 37.4]
Multiple myeloma (203)	0	0.26	0.00	[0.00 - 14.0]
Leukemia & aleukemia (204-208)	2	0.44	4.52	[0.55 - 16.3]
Lymphoid leukemia (204)	1	0.11	8.81	[0.22 - 49.1]
Myeloid leukemia (205)	1	0.18	5.47	[0.14 - 30.5]
BENIGN NEOPLASMS (210-239)	0	0.24	0.00	[0.00 - 15.5]
DIS. OF ENDOCRINE SYSTEM & BLOOD (240-289)	0	0.83	0.00	[0.00 - 4.45]
MENTAL DISORDERS (290-319)	0	0.48	0.00	[0.00 - 7.65]
DIS. OF NERVOUS SYSTEM (320-389)	1	0.75	1.33	[0.03 - 7.43]
DIS. OF CIRCULATORY SYSTEM (390-459)	30	26.98	1.11	[0.75 - 1.59]
Hypertension (401-405)	0	0.66	0.00	[0.00 - 5.61]
Ischaemic heart disease (410-414)	20	17.8	1.12	[0.69 - 1.74]
Cerebrovascular (430-438)	7	4.85	1.44	[0.58 - 2.98]
Other heart diseases (4150,4152-4299)	0	1.81	0.00	[0.00 - 2.03]
DIS. OF RESPIRATORY SYSTEM (460-519)	6	3.59	1.67	[0.61 - 3.64]
Influenza (487)	0	0.1	0.00	[0.00 - 37.9]
Pneumonia (480-486)	2	1.68	1.19	[0.14 - 4.31]
Bronchitis,emphysema & asthma (490-493)	4	1.26	3.17	[0.86 - 8.13]
Pneumoconioses (500-508)	0	0.03	0.00	[0.00 - 0108]
DIS. OF DIGESTIVE SYSTEM (520-579)	0	1.59	0.00	[0.00 - 2.32]
Liver cirrhosis (571)	0	0.47	0.00	[0.00 - 7.93]
DIS. OF GENITO-URINARY SYSTEM (580-629)	3	0.76	3.96	[0.82 - 11.6]
Nephritis & nephrosis (580-589)	1	0.31	3.25	[0.08 - 18.1]
DIS. OF THE SKIN (680-739)	0	0.18	0.00	[0.00 - 20.7]
SYMPTOMS AND ILL-DEFINED CONDITIONS (780-799)	1	2.22	0.45	[0.01 - 2.51]
EXTERNAL CAUSES (E800-999)	4	4.28	0.94	[0.25 - 2.40]
Traffic accident (E810-819)	1	0.79	1.27	[0.03 - 7.07]
Suicide (E950-959)	3	1.22	2.45	[0.51 - 7.17]
Homicide (E960-969)	0	0.08	0.00	[0.00 - 45.2]
Other external causes (E800-807,E820-949,E970-999)	0	2.18	0.00	[0.00 - 1.69]
UNKNOWN CAUSES	0			
OTHER CAUSES	1			

Table 2.9.11
Mortality by cause

TOTAL COHORT
Ever employment in department 143 (sulphite pulp, bleaching)

Causes of death (ICD 9th.revision)	Observed	Expected	SMR	95% Confidence intervals
ALL CAUSES	186	180.33	1.03	[0.89 - 1.19]
ALL MALIGNANT NEOPLASMS (140-208)	39	42.41	0.92	[0.65 - 1.26]
Oral cavity & pharynx (140-149)	0	0.86	0.00	[0.00 - 4.30]
Oral cavity (141,143-145)	0	0.38	0.00	[0.00 - 9.80]
Nasopharynx (147)	0	0.07	0.00	[0.00 - 56.2]
Oesophagus (150)	1	0.85	1.18	[0.03 - 6.58]
Stomach (151)	2	4.5	0.44	[0.05 - 1.61]
Colon (153)	2	3.17	0.63	[0.08 - 2.28]
Rectum (154)	0	2.09	0.00	[0.00 - 1.76]
Liver (155)	0	0.49	0.00	[0.00 - 7.50]
Gallbladder (156)	0	0.27	0.00	[0.00 - 13.5]
Pancreas (157)	3	2.4	1.25	[0.26 - 3.65]
Peritoneum and other unspecified organs(158-159)	0	0.04	0.00	[0.00 - 94.6]
Nose & sinuses (160)	0	0.13	0.00	[0.00 - 28.1]
Larynx (161)	0	0.38	0.00	[0.00 - 9.83]
Lung (162)	14	9.15	1.53	[0.84 - 2.57]
Pleura (163)	1	0.17	5.78	[0.14 - 32.2]
Other respiratory organs (164-165)	0	0.06	0.00	[0.00 - 63.1]
Bone (170)	0	0.1	0.00	[0.00 - 37.8]
Soft tissue (171)	0	0.19	0.00	[0.00 - 19.8]
Melanoma (172)	1	0.65	1.53	[0.04 - 8.54]
Other skin (173)	0	0.12	0.00	[0.00 - 30.7]
Breast (174-175)	0	0.17	0.00	[0.00 - 22.2]
Cervix uteri (180)	0	0.04	0.00	[0.00 - 97.9]
Corpus uteri & uterus unspecified (179,181-182)	0	0.02	0.00	[0.00 - 0213]
Ovary (183)	0	0.07	0.00	[0.00 - 56.4]
Other female genital organs (184)	0	-	-	-
Prostate (185)	3	5.41	0.55	[0.11 - 1.62]
Testis (186)	0	0.16	0.00	[0.00 - 23.4]
Other male genital organs (187)	0	0.05	0.00	[0.00 - 67.6]
Bladder (188)	1	1.69	0.59	[0.01 - 3.30]
Kidney (189)	1	1.33	0.75	[0.02 - 4.17]
Eye (190)	0	0.07	0.00	[0.00 - 49.8]
Brain (191-192)	0	1.08	0.00	[0.00 - 3.42]
Thyroid (193)	0	0.12	0.00	[0.00 - 30.0]
Other endocrine glands (194)	1	0.05	20.10	[0.50 - 0112]
Ill defined (195,199)	1	2.43	0.41	[0.01 - 2.29]
Lymphatic & hematopoietic tissue (200-208)	8	3.71	2.15	[0.93 - 4.24]
Non-Hodgkins lymphoma (200,202)	2	1.07	1.86	[0.23 - 6.72]
Hodgkins disease (201)	3	0.3	10.00	[2.06 - 29.2]
Multiple myeloma (203)	1	0.9	1.11	[0.03 - 6.18]
Leukemia & aleukemia (204-208)	2	1.42	1.41	[0.17 - 5.10]
Lymphoid leukemia (204)	0	0.36	0.00	[0.00 - 10.4]
Myeloid leukemia (205)	1	0.58	1.74	[0.04 - 9.67]
BENIGN NEOPLASMS (210-239)	2	0.8	2.49	[0.30 - 9.00]
DIS. OF ENDOCRINE SYSTEM & BLOOD (240-289)	3	2.71	1.11	[0.23 - 3.23]
MENTAL DISORDERS (290-319)	0	1.6	0.00	[0.00 - 2.30]
DIS. OF NERVOUS SYSTEM (320-389)	2	2.53	0.79	[0.10 - 2.85]
DIS. OF CIRCULATORY SYSTEM (390-459)	99	88.21	1.12	[0.91 - 1.37]
Hypertension (401-405)	1	2.15	0.46	[0.01 - 2.59]
Ischaemic heart disease (410-414)	73	57	1.28	[1.00 - 1.61]
Cerebrovascular (430-438)	10	16.16	0.62	[0.30 - 1.14]
Other heart diseases (4150,4152-4299)	6	6.72	0.89	[0.33 - 1.94]
DIS. OF RESPIRATORY SYSTEM (460-519)	11	12.7	0.87	[0.43 - 1.55]
Influenza (487)	1	0.33	3.02	[0.08 - 16.8]
Pneumonia (480-486)	2	6.25	0.32	[0.04 - 1.16]
Bronchitis,emphysema & asthma (490-493)	4	4.02	0.99	[0.27 - 2.54]
Pneumoconioses (500-508)	0	0.12	0.00	[0.00 - 29.7]
DIS. OF DIGESTIVE SYSTEM (520-579)	6	5.2	1.15	[0.42 - 2.51]
Liver cirrhosis (571)	3	1.39	2.16	[0.44 - 6.30]
DIS. OF GENITO-URINARY SYSTEM (580-629)	5	2.64	1.89	[0.61 - 4.42]
Nephritis & nephrosis (580-589)	4	1.12	3.58	[0.97 - 9.16]
DIS. OF THE SKIN (680-739)	0	0.63	0.00	[0.00 - 5.85]
SYMPTOMS AND ILL-DEFINED CONDITIONS (780-799)	6	7.49	0.80	[0.29 - 1.74]
EXTERNAL CAUSES (E800-999)	8	11.44	0.70	[0.30 - 1.38]
Traffic accident (E810-819)	0	2.01	0.00	[0.00 - 1.84]
Suicide (E950-959)	3	3.05	0.98	[0.20 - 2.88]
Homicide (E960-969)	0	0.21	0.00	[0.00 - 17.3]
Other external causes (E800-807,E820-949,E970-999)	5	6.17	0.81	[0.26 - 1.89]
UNKNOWN CAUSES	1			
OTHER CAUSES	4			

Table 2.9.12
Mortality by cause

TOTAL COHORT
Ever employment in department 144 (sulphite pulp, drying)

Causes of death (ICD 9th.revision)	Observed	Expected	SMR	95% Confidence intervals
ALL CAUSES	129	125.85	1.03	[0.86 - 1.22]
ALL MALIGNANT NEOPLASMS (140-208)	32	29.85	1.07	[0.73 - 1.51]
Oral cavity & pharynx (140-149)	0	0.65	0.00	[0.00 - 5.70]
Oral cavity (141,143-145)	0	0.28	0.00	[0.00 - 13.2]
Nasopharynx (147)	0	0.05	0.00	[0.00 - 80.4]
Oesophagus (150)	0	0.64	0.00	[0.00 - 5.75]
Stomach (151)	3	2.5	1.20	[0.25 - 3.50]
Colon (153)	2	2.37	0.84	[0.10 - 3.05]
Rectum (154)	0	1.32	0.00	[0.00 - 2.80]
Liver (155)	0	0.38	0.00	[0.00 - 9.82]
Gallbladder (156)	0	0.22	0.00	[0.00 - 16.5]
Pancreas (157)	2	1.67	1.20	[0.14 - 4.33]
Peritoneum and other unspecified organs(158-159)	0	0.05	0.00	[0.00 - 67.2]
Nose & sinuses (160)	0	0.07	0.00	[0.00 - 51.4]
Larynx (161)	1	0.29	3.41	[0.09 - 19.0]
Lung (162)	8	7.3	1.10	[0.47 - 2.16]
Pleura (163)	0	0.11	0.00	[0.00 - 32.9]
Other respiratory organs (164-165)	0	0.04	0.00	[0.00 - 86.0]
Bone (170)	0	0.08	0.00	[0.00 - 44.1]
Soft tissue (171)	0	0.13	0.00	[0.00 - 28.4]
Melanoma (172)	2	0.46	4.36	[0.53 - 15.8]
Other skin (173)	0	0.08	0.00	[0.00 - 46.3]
Breast (174-175)	0	0.37	0.00	[0.00 - 10.0]
Cervix uteri (180)	0	0.09	0.00	[0.00 - 43.1]
Corpus uteri & uterus unspecified (179,181-182)	0	0.06	0.00	[0.00 - 57.5]
Ovary (183)	0	0.16	0.00	[0.00 - 23.5]
Other female genital organs (184)	0	0.02	0.00	[0.00 - 0195]
Prostate (185)	5	3.02	1.66	[0.54 - 3.87]
Testis (186)	0	0.13	0.00	[0.00 - 27.9]
Other male genital organs (187)	0	0.03	0.00	[0.00 - 0115]
Bladder (188)	2	1.07	1.86	[0.23 - 6.72]
Kidney (189)	1	0.89	1.12	[0.03 - 6.24]
Eye (190)	0	0.05	0.00	[0.00 - 80.2]
Brain (191-192)	0	0.79	0.00	[0.00 - 4.68]
Thyroid (193)	0	0.09	0.00	[0.00 - 43.3]
Other endocrine glands (194)	0	0.04	0.00	[0.00 - 0102]
Ill defined (195,199)	0	1.55	0.00	[0.00 - 2.37]
Lymphatic & hematopoeitic tissue (200-208)	5	2.64	1.89	[0.61 - 4.42]
Non-Hodgkins lymphoma (200,202)	2	0.77	2.58	[0.31 - 9.32]
Hodgkins disease (201)	0	0.22	0.00	[0.00 - 16.7]
Multiple myeloma (203)	2	0.57	3.52	[0.43 - 12.7]
Leukemia & aleukemia (204-208)	1	1.03	0.97	[0.02 - 5.39]
Lymphoid leukemia (204)	0	0.26	0.00	[0.00 - 14.3]
Myeloid leukemia (205)	1	0.43	2.35	[0.06 - 13.1]
BENIGN NEOPLASMS (210-239)	1	0.5	1.98	[0.05 - 11.0]
DIS. OF ENDOCRINE SYSTEM & BLOOD (240-289)	2	2.26	0.88	[0.11 - 3.19]
MENTAL DISORDERS (290-319)	4	1.1	3.62	[0.99 - 9.27]
DIS. OF NERVOUS SYSTEM (320-389)	2	1.66	1.20	[0.15 - 4.34]
DIS. OF CIRCULATORY SYSTEM (390-459)	60	61.6	0.97	[0.74 - 1.25]
Hypertension (401-405)	1	1.61	0.62	[0.02 - 3.47]
Ischaemic heart disease (410-414)	42	40.57	1.04	[0.75 - 1.40]
Cerebrovascular (430-438)	8	10.34	0.77	[0.33 - 1.52]
Other heart diseases (4150,4152-4299)	6	4.71	1.27	[0.47 - 2.77]
DIS. OF RESPIRATORY SYSTEM (460-519)	7	8.24	0.85	[0.34 - 1.75]
Influenza (487)	0	0.19	0.00	[0.00 - 19.1]
Pneumonia (480-486)	2	3.44	0.58	[0.07 - 2.10]
Bronchitis,emphysema & asthma (490-493)	4	2.64	1.51	[0.41 - 3.88]
Pneumoconioses (500-508)	0	0.13	0.00	[0.00 - 28.7]
DIS. OF DIGESTIVE SYSTEM (520-579)	1	4.04	0.25	[0.01 - 1.38]
Liver cirrhosis (571)	1	1.33	0.75	[0.02 - 4.18]
DIS. OF GENITO-URINARY SYSTEM (580-629)	3	1.73	1.74	[0.36 - 5.08]
Nephritis & nephrosis (580-589)	1	0.76	1.32	[0.03 - 7.36]
DIS. OF THE SKIN (680-739)	0	0.43	0.00	[0.00 - 8.48]
SYMPTOMS AND ILL-DEFINED CONDITIONS (780-799)	4	4.16	0.96	[0.26 - 2.46]
EXTERNAL CAUSES (E800-999)	9	8.85	1.02	[0.47 - 1.93]
Traffic accident (E810-819)	3	1.73	1.73	[0.36 - 5.07]
Suicide (E950-959)	2	2.59	0.77	[0.09 - 2.79]
Homicide (E960-969)	0	0.26	0.00	[0.00 - 14.0]
Other external causes (E800-807,E820-949,E970-999)	4	4.26	0.94	[0.26 - 2.40]
UNKNOWN CAUSES	0			
OTHER CAUSES	4			

Table 2.9.13
Mortality by cause

TOTAL COHORT

Ever employment in department 145 (sulphite pulp, winding)

Causes of death (ICD 9th.revision)	Observed	Expected	SMR	95% Confidence intervals
ALL CAUSES	164	148.39	1.11	[0.94 - 1.29]
ALL MALIGNANT NEOPLASMS (140-208)	46	36.03	1.28	[0.93 - 1.70]
Oral cavity & pharynx (140-149)	0	0.75	0.00	[0.00 - 4.89]
Oral cavity (141,143-145)	0	0.34	0.00	[0.00 - 10.8]
Nasopharynx (147)	0	0.06	0.00	[0.00 - 60.3]
Oesophagus (150)	0	0.66	0.00	[0.00 - 5.55]
Stomach (151)	4	3.47	1.15	[0.31 - 2.95]
Colon (153)	1	2.71	0.37	[0.01 - 2.06]
Rectum (154)	3	1.76	1.70	[0.35 - 4.97]
Liver (155)	1	0.39	2.56	[0.06 - 14.2]
Gallbladder (156)	0	0.24	0.00	[0.00 - 15.5]
Pancreas (157)	7	1.97	3.55	[1.43 - 7.31]
Peritoneum and other unspecified organs(158-159)	0	0.02	0.00	[0.00 - 0237]
Nose & sinuses (160)	0	0.12	0.00	[0.00 - 31.2]
Larynx (161)	1	0.25	3.99	[0.10 - 22.2]
Lung (162)	17	7.04	2.42	[1.41 - 3.87]
Pleura (163)	0	0.17	0.00	[0.00 - 21.7]
Other respiratory organs (164-165)	0	0.05	0.00	[0.00 - 79.8]
Bone (170)	0	0.12	0.00	[0.00 - 29.8]
Soft tissue (171)	0	0.19	0.00	[0.00 - 19.1]
Melanoma (172)	1	0.86	1.16	[0.03 - 6.47]
Other skin (173)	1	0.08	12.70	[0.32 - 70.8]
Breast (174-175)	0	1.04	0.00	[0.00 - 3.55]
Cervix uteri (180)	0	0.29	0.00	[0.00 - 12.9]
Corpus uteri & uterus unspecified (179,181-182)	0	0.16	0.00	[0.00 - 22.7]
Ovary (183)	1	0.47	2.11	[0.05 - 11.7]
Other female genital organs (184)	0	0.05	0.00	[0.00 - 72.9]
Prostate (185)	3	3.05	0.98	[0.20 - 2.87]
Testis (186)	0	0.31	0.00	[0.00 - 12.1]
Other male genital organs (187)	0	0.04	0.00	[0.00 - 90.5]
Bladder (188)	1	1.11	0.90	[0.02 - 5.02]
Kidney (189)	1	1.15	0.87	[0.02 - 4.84]
Eye (190)	0	0.07	0.00	[0.00 - 52.5]
Brain (191-192)	1	1.34	0.75	[0.02 - 4.16]
Thyroid (193)	0	0.12	0.00	[0.00 - 30.0]
Other endocrine glands (194)	0	0.06	0.00	[0.00 - 63.3]
Ill defined (195,199)	2	2.19	0.91	[0.11 - 3.30]
Lymphatic & hematopoeitic tissue (200-208)	1	3.48	0.29	[0.01 - 1.60]
Non-Hodgkins lymphoma (200,202)	1	1.03	0.97	[0.02 - 5.41]
Hodgkins disease (201)	0	0.37	0.00	[0.00 - 9.93]
Multiple myeloma (203)	0	0.76	0.00	[0.00 - 4.84]
Leukemia & aleukemia (204-208)	0	1.3	0.00	[0.00 - 2.83]
Lymphoid leukemia (204)	0	0.27	0.00	[0.00 - 13.6]
Myeloid leukemia (205)	0	0.58	0.00	[0.00 - 6.35]
BENIGN NEOPLASMS (210-239)	1	0.69	1.44	[0.04 - 8.02]
DIS. OF ENDOCRINE SYSTEM & BLOOD (240-289)	1	2.44	0.41	[0.01 - 2.28]
MENTAL DISORDERS (290-319)	3	1.79	1.68	[0.35 - 4.90]
DIS. OF NERVOUS SYSTEM (320-389)	3	2.42	1.24	[0.26 - 3.62]
DIS. OF CIRCULATORY SYSTEM (390-459)	74	66	1.12	[0.88 - 1.41]
Hypertension (401-405)	0	1.67	0.00	[0.00 - 2.21]
Ischaemic heart disease (410-414)	55	42.9	1.28	[0.97 - 1.67]
Cerebrovascular (430-438)	15	11.98	1.25	[0.70 - 2.06]
Other heart diseases (4150,4152-4299)	2	4.91	0.41	[0.05 - 1.47]
DIS. OF RESPIRATORY SYSTEM (460-519)	6	8.54	0.70	[0.26 - 1.53]
Influenza (487)	0	0.24	0.00	[0.00 - 15.3]
Pneumonia (480-486)	2	4.22	0.47	[0.06 - 1.71]
Bronchitis,emphysema & asthma (490-493)	2	2.72	0.74	[0.09 - 2.66]
Pneumoconioses (500-508)	0	0.06	0.00	[0.00 - 61.1]
DIS. OF DIGESTIVE SYSTEM (520-579)	7	4.37	1.60	[0.64 - 3.30]
Liver cirrhosis (571)	3	1.43	2.10	[0.43 - 6.12]
DIS. OF GENITO-URINARY SYSTEM (580-629)	1	1.87	0.53	[0.01 - 2.97]
Nephritis & nephrosis (580-589)	0	0.92	0.00	[0.00 - 4.00]
DIS. OF THE SKIN (680-739)	0	0.62	0.00	[0.00 - 5.98]
SYMPTOMS AND ILL-DEFINED CONDITIONS (780-799)	5	6.38	0.78	[0.25 - 1.83]
EXTERNAL CAUSES (E800-999)	13	15.27	0.85	[0.45 - 1.46]
Traffic accident (E810-819)	4	2.5	1.60	[0.44 - 4.09]
Suicide (E950-959)	4	3.93	1.02	[0.28 - 2.61]
Homicide (E960-969)	0	0.28	0.00	[0.00 - 13.2]
Other external causes (E800-807,E820-949,E970-999)	5	8.56	0.58	[0.19 - 1.36]
UNKNOWN CAUSES	0			
OTHER CAUSES	4			

Table 2.9.14
Mortality by cause

TOTAL COHORT
Ever employment in department 146 (sulphite cooking liquor)

Causes of death (ICD 9th.revision)	Observed	Expected	SMR	95% Confidence intervals
ALL CAUSES	62	66.6	0.93	[0.71 - 1.19]
ALL MALIGNANT NEOPLASMS (140-208)	9	14.89	0.60	[0.28 - 1.15]
Oral cavity & pharynx (140-149)	0	0.32	0.00	[0.00 - 11.4]
Oral cavity (141,143-145)	0	0.14	0.00	[0.00 - 27.2]
Nasopharynx (147)	0	0.02	0.00	[0.00 - 0173]
Oesophagus (150)	0	0.33	0.00	[0.00 - 11.0]
Stomach (151)	1	1.54	0.65	[0.02 - 3.62]
Colon (153)	0	1.08	0.00	[0.00 - 3.43]
Rectum (154)	0	0.65	0.00	[0.00 - 5.66]
Liver (155)	0	0.21	0.00	[0.00 - 17.6]
Gallbladder (156)	0	0.11	0.00	[0.00 - 33.8]
Pancreas (157)	1	0.82	1.22	[0.03 - 6.79]
Peritoneum and other unspecified organs(158-159)	0	0.04	0.00	[0.00 - 88.5]
Nose & sinuses (160)	0	0.05	0.00	[0.00 - 78.2]
Larynx (161)	0	0.15	0.00	[0.00 - 24.0]
Lung (162)	4	3.56	1.12	[0.31 - 2.88]
Pleura (163)	0	0.05	0.00	[0.00 - 68.2]
Other respiratory organs (164-165)	0	0.03	0.00	[0.00 - 0143]
Bone (170)	0	0.04	0.00	[0.00 - 93.3]
Soft tissue (171)	0	0.06	0.00	[0.00 - 59.6]
Melanoma (172)	0	0.19	0.00	[0.00 - 19.4]
Other skin (173)	0	0.05	0.00	[0.00 - 76.6]
Breast (174-175)	0	0.05	0.00	[0.00 - 73.2]
Cervix uteri (180)	0	0.01	0.00	[0.00 - 0469]
Corpus uteri & uterus unspecified (179,181-182)	0	0.01	0.00	[0.00 - 0433]
Ovary (183)	0	0.02	0.00	[0.00 - 0237]
Other female genital organs (184)	0	-	-	-
Prostate (185)	1	1.82	0.55	[0.01 - 3.06]
Testis (186)	0	0.04	0.00	[0.00 - 88.6]
Other male genital organs (187)	0	0.02	0.00	[0.00 - 0192]
Bladder (188)	0	0.56	0.00	[0.00 - 6.58]
Kidney (189)	1	0.44	2.30	[0.06 - 12.8]
Eye (190)	0	0.02	0.00	[0.00 - 0158]
Brain (191-192)	0	0.33	0.00	[0.00 - 11.3]
Thyroid (193)	0	0.04	0.00	[0.00 - 87.0]
Other endocrine glands (194)	0	0.02	0.00	[0.00 - 0221]
Ill defined (195,199)	1	0.75	1.33	[0.03 - 7.41]
Lymphatic & hematopoeitic tissue (200-208)	0	1.27	0.00	[0.00 - 2.90]
Non-Hodgkins lymphoma (200,202)	0	0.37	0.00	[0.00 - 10.0]
Hodgkins disease (201)	0	0.1	0.00	[0.00 - 36.0]
Multiple myeloma (203)	0	0.29	0.00	[0.00 - 12.8]
Leukemia & aleukemia (204-208)	0	0.5	0.00	[0.00 - 7.36]
Lymphoid leukemia (204)	0	0.13	0.00	[0.00 - 27.6]
Myeloid leukemia (205)	0	0.2	0.00	[0.00 - 18.7]
BENIGN NEOPLASMS (210-239)	0	0.27	0.00	[0.00 - 13.8]
DIS. OF ENDOCRINE SYSTEM & BLOOD (240-289)	1	1.05	0.96	[0.02 - 5.33]
MENTAL DISORDERS (290-319)	2	0.66	3.04	[0.37 - 11.0]
DIS. OF NERVOUS SYSTEM (320-389)	0	0.83	0.00	[0.00 - 4.42]
DIS. OF CIRCULATORY SYSTEM (390-459)	33	32.91	1.00	[0.69 - 1.41]
Hypertension (401-405)	0	0.79	0.00	[0.00 - 4.66]
Ischaemic heart disease (410-414)	19	20.82	0.91	[0.55 - 1.43]
Cerebrovascular (430-438)	5	6.23	0.80	[0.26 - 1.87]
Other heart diseases (4150,4152-4299)	4	2.76	1.45	[0.40 - 3.72]
DIS. OF RESPIRATORY SYSTEM (460-519)	3	4.94	0.61	[0.13 - 1.78]
Influenza (487)	1	0.14	7.29	[0.18 - 40.6]
Pneumonia (480-486)	1	2.48	0.40	[0.01 - 2.25]
Bronchitis,emphysema & asthma (490-493)	1	1.49	0.67	[0.02 - 3.73]
Pneumoconioses (500-508)	0	0.06	0.00	[0.00 - 66.5]
DIS. OF DIGESTIVE SYSTEM (520-579)	0	2.12	0.00	[0.00 - 1.74]
Liver cirrhosis (571)	0	0.62	0.00	[0.00 - 5.96]
DIS. OF GENITO-URINARY SYSTEM (580-629)	3	1.02	2.94	[0.61 - 8.59]
Nephritis & nephrosis (580-589)	0	0.39	0.00	[0.00 - 9.41]
DIS. OF THE SKIN (680-739)	1	0.22	4.62	[0.12 - 25.7]
SYMPTOMS AND ILL-DEFINED CONDITIONS (780-799)	4	2.13	1.88	[0.51 - 4.81]
EXTERNAL CAUSES (E800-999)	5	4.8	1.04	[0.34 - 2.43]
Traffic accident (E810-819)	1	0.82	1.21	[0.03 - 6.76]
Suicide (E950-959)	0	1.32	0.00	[0.00 - 2.80]
Homicide (E960-969)	1	0.15	6.63	[0.17 - 37.0]
Other external causes (E800-807,E820-949,E970-999)	3	2.51	1.20	[0.25 - 3.50]
UNKNOWN CAUSES	0			
OTHER CAUSES	1			

Table 2.9.15
Mortality by cause

TOTAL COHORT
Ever employment in department 148 (sulphite pulp, other)

Causes of death (ICD 9th.revision)	Observed	Expected	SMR	95% Confidence intervals
ALL CAUSES	65	59.36	1.09	[0.85 - 1.40]
ALL MALIGNANT NEOPLASMS (140-208)	12	14.08	0.85	[0.44 - 1.49]
Oral cavity & pharynx (140-149)	0	0.27	0.00	[0.00 - 13.5]
Oral cavity (141,143-145)	0	0.12	0.00	[0.00 - 29.8]
Nasopharynx (147)	0	0.02	0.00	[0.00 - 0153]
Oesophagus (150)	0	0.26	0.00	[0.00 - 14.4]
Stomach (151)	1	1.5	0.67	[0.02 - 3.73]
Colon (153)	1	1.03	0.97	[0.02 - 5.43]
Rectum (154)	1	0.74	1.35	[0.03 - 7.53]
Liver (155)	0	0.15	0.00	[0.00 - 24.4]
Gallbladder (156)	0	0.09	0.00	[0.00 - 40.8]
Pancreas (157)	2	0.81	2.48	[0.30 - 8.97]
Peritoneum and other unspecified organs(158-159)	0	-	-	-
Nose & sinuses (160)	0	0.04	0.00	[0.00 - 83.9]
Larynx (161)	0	0.1	0.00	[0.00 - 36.2]
Lung (162)	1	2.83	0.35	[0.01 - 1.97]
Pleura (163)	0	0.07	0.00	[0.00 - 52.8]
Other respiratory organs (164-165)	0	0.02	0.00	[0.00 - 0201]
Bone (170)	0	0.04	0.00	[0.00 - 97.3]
Soft tissue (171)	0	0.07	0.00	[0.00 - 50.3]
Melanoma (172)	1	0.3	3.33	[0.08 - 18.6]
Other skin (173)	0	0.03	0.00	[0.00 - 0109]
Breast (174-175)	0	0.08	0.00	[0.00 - 43.6]
Cervix uteri (180)	0	0.02	0.00	[0.00 - 0192]
Corpus uteri & uterus unspecified (179,181-182)	0	0.01	0.00	[0.00 - 0320]
Ovary (183)	0	0.03	0.00	[0.00 - 0109]
Other female genital organs (184)	0	-	-	-
Prostate (185)	1	1.67	0.60	[0.01 - 3.33]
Testis (186)	0	0.08	0.00	[0.00 - 43.6]
Other male genital organs (187)	0	0.02	0.00	[0.00 - 0202]
Bladder (188)	0	0.53	0.00	[0.00 - 6.95]
Kidney (189)	0	0.47	0.00	[0.00 - 7.82]
Eye (190)	0	0.03	0.00	[0.00 - 0131]
Brain (191-192)	1	0.46	2.16	[0.05 - 12.0]
Thyroid (193)	0	0.04	0.00	[0.00 - 86.7]
Other endocrine glands (194)	0	0.02	0.00	[0.00 - 0188]
Ill defined (195,199)	2	0.87	2.30	[0.28 - 8.32]
Lymphatic & hematopoeitic tissue (200-208)	0	1.31	0.00	[0.00 - 2.81]
Non-Hodgkins lymphoma (200,202)	0	0.39	0.00	[0.00 - 9.35]
Hodgkins disease (201)	0	0.12	0.00	[0.00 - 31.5]
Multiple myeloma (203)	0	0.32	0.00	[0.00 - 11.7]
Leukemia & aleukemia (204-208)	0	0.48	0.00	[0.00 - 7.62]
Lymphoid leukemia (204)	0	0.12	0.00	[0.00 - 31.6]
Myeloid leukemia (205)	0	0.22	0.00	[0.00 - 16.7]
BENIGN NEOPLASMS (210-239)	0	0.27	0.00	[0.00 - 13.5]
DIS. OF ENDOCRINE SYSTEM & BLOOD (240-289)	0	0.85	0.00	[0.00 - 4.36]
MENTAL DISORDERS (290-319)	2	0.69	2.90	[0.35 - 10.5]
DIS. OF NERVOUS SYSTEM (320-389)	0	0.94	0.00	[0.00 - 3.93]
DIS. OF CIRCULATORY SYSTEM (390-459)	34	27.82	1.22	[0.85 - 1.71]
Hypertension (401-405)	0	0.66	0.00	[0.00 - 5.63]
Ischaemic heart disease (410-414)	19	18.32	1.04	[0.62 - 1.62]
Cerebrovascular (430-438)	7	4.88	1.43	[0.58 - 2.95]
Other heart diseases (4150,4152-4299)	3	2.04	1.47	[0.30 - 4.30]
DIS. OF RESPIRATORY SYSTEM (460-519)	4	3.75	1.07	[0.29 - 2.73]
Influenza (487)	0	0.1	0.00	[0.00 - 36.4]
Pneumonia (480-486)	2	1.86	1.08	[0.13 - 3.89]
Bronchitis,emphysema & asthma (490-493)	1	1.28	0.78	[0.02 - 4.37]
Pneumoconioses (500-508)	0	0.02	0.00	[0.00 - 0150]
DIS. OF DIGESTIVE SYSTEM (520-579)	0	1.61	0.00	[0.00 - 2.29]
Liver cirrhosis (571)	0	0.46	0.00	[0.00 - 8.02]
DIS. OF GENITO-URINARY SYSTEM (580-629)	3	0.74	4.04	[0.83 - 11.8]
Nephritis & nephrosis (580-589)	1	0.35	2.82	[0.07 - 15.7]
DIS. OF THE SKIN (680-739)	0	0.22	0.00	[0.00 - 16.6]
SYMPTOMS AND ILL-DEFINED CONDITIONS (780-799)	3	2.67	1.12	[0.23 - 3.28]
EXTERNAL CAUSES (E800-999)	7	5.06	1.38	[0.56 - 2.85]
Traffic accident (E810-819)	2	0.84	2.39	[0.29 - 8.64]
Suicide (E950-959)	3	1.35	2.22	[0.46 - 6.49]
Homicide (E960-969)	0	0.08	0.00	[0.00 - 44.8]
Other external causes (E800-807,E820-949,E970-999)	2	2.79	0.72	[0.09 - 2.59]
UNKNOWN CAUSES	0			
OTHER CAUSES	0			

Table 2.9.16
Mortality by cause

TOTAL COHORT

Ever employment in department 149 (sulphite pulp, unknown)

Causes of death (ICD 9th.revision)	Observed	Expected	SMR	95% Confidence intervals
ALL CAUSES	446	426.47	1.05	[0.95 - 1.15]
ALL MALIGNANT NEOPLASMS (140-208)	101	92.51	1.09	[0.89 - 1.33]
Oral cavity & pharynx (140-149)	2	1.58	1.26	[0.15 - 4.56]
Oral cavity (141,143-145)	2	0.65	3.09	[0.37 - 11.1]
Nasopharynx (147)	0	0.12	0.00	[0.00 - 31.2]
Oesophagus (150)	2	2.1	0.95	[0.11 - 3.43]
Stomach (151)	11	11.4	0.96	[0.48 - 1.73]
Colon (153)	9	5.28	1.70	[0.78 - 3.23]
Rectum (154)	2	3.55	0.56	[0.07 - 2.04]
Liver (155)	1	1.52	0.66	[0.02 - 3.67]
Gallbladder (156)	0	1.07	0.00	[0.00 - 3.44]
Pancreas (157)	5	5.19	0.96	[0.31 - 2.25]
Peritoneum and other unspecified organs(158-159)	1	0.69	1.45	[0.04 - 8.06]
Nose & sinuses (160)	0	0.24	0.00	[0.00 - 15.6]
Larynx (161)	1	0.92	1.09	[0.03 - 6.06]
Lung (162)	34	24.09	1.41	[0.98 - 1.97]
Pleura (163)	1	0.3	3.28	[0.08 - 18.3]
Other respiratory organs (164-165)	2	0.27	7.42	[0.90 - 26.8]
Bone (170)	0	0.34	0.00	[0.00 - 10.8]
Soft tissue (171)	0	0.37	0.00	[0.00 - 9.89]
Melanoma (172)	0	1.13	0.00	[0.00 - 3.25]
Other skin (173)	0	0.29	0.00	[0.00 - 12.6]
Breast (174-175)	0	1.87	0.00	[0.00 - 1.98]
Cervix uteri (180)	1	0.47	2.13	[0.05 - 11.8]
Corpus uteri & uterus unspecified (179,181-182)	0	0.49	0.00	[0.00 - 7.47]
Ovary (183)	1	0.8	1.26	[0.03 - 7.00]
Other female genital organs (184)	0	0.13	0.00	[0.00 - 28.6]
Prostate (185)	11	8.26	1.33	[0.66 - 2.38]
Testis (186)	0	0.24	0.00	[0.00 - 15.3]
Other male genital organs (187)	0	0.09	0.00	[0.00 - 41.4]
Bladder (188)	2	2.68	0.74	[0.09 - 2.69]
Kidney (189)	4	2.62	1.53	[0.42 - 3.91]
Eye (190)	0	0.15	0.00	[0.00 - 24.9]
Brain (191-192)	2	2.02	0.99	[0.12 - 3.57]
Thyroid (193)	0	0.35	0.00	[0.00 - 10.7]
Other endocrine glands (194)	0	0.14	0.00	[0.00 - 27.2]
Ill defined (195,199)	3	3.15	0.95	[0.20 - 2.78]
Lymphatic & hematopoeitic tissue (200-208)	6	7.42	0.81	[0.30 - 1.76]
Non-Hodgkins lymphoma (200,202)	1	2.23	0.45	[0.01 - 2.49]
Hodgkins disease (201)	1	0.68	1.47	[0.04 - 8.21]
Multiple myeloma (203)	3	1.55	1.94	[0.40 - 5.67]
Leukemia & aleukemia (204-208)	1	2.92	0.34	[0.01 - 1.91]
Lymphoid leukemia (204)	1	0.77	1.29	[0.03 - 7.20]
Myeloid leukemia (205)	0	1.1	0.00	[0.00 - 3.35]
BENIGN NEOPLASMS (210-239)	0	1.65	0.00	[0.00 - 2.23]
DIS. OF ENDOCRINE SYSTEM & BLOOD (240-289)	11	6.48	1.70	[0.85 - 3.04]
MENTAL DISORDERS (290-319)	3	5.22	0.58	[0.12 - 1.68]
DIS. OF NERVOUS SYSTEM (320-389)	4	5.08	0.79	[0.21 - 2.02]
DIS. OF CIRCULATORY SYSTEM (390-459)	238	217.35	1.10	[0.96 - 1.24]
Hypertension (401-405)	5	5.2	0.96	[0.31 - 2.25]
Ischaemic heart disease (410-414)	124	136.36	0.91	[0.76 - 1.08]
Cerebrovascular (430-438)	36	43.2	0.83	[0.58 - 1.15]
Other heart diseases (4150,4152-4299)	15	17.23	0.87	[0.49 - 1.44]
DIS. OF RESPIRATORY SYSTEM (460-519)	31	30.07	1.03	[0.70 - 1.46]
Influenza (487)	1	1.32	0.76	[0.02 - 4.23]
Pneumonia (480-486)	18	14.54	1.24	[0.73 - 1.96]
Bronchitis,emphysema & asthma (490-493)	4	9.55	0.42	[0.11 - 1.07]
Pneumoconioses (500-508)	0	0.25	0.00	[0.00 - 14.5]
DIS. OF DIGESTIVE SYSTEM (520-579)	8	12.74	0.63	[0.27 - 1.24]
Liver cirrhosis (571)	2	2.79	0.72	[0.09 - 2.59]
DIS. OF GENITO-URINARY SYSTEM (580-629)	3	6.85	0.44	[0.09 - 1.28]
Nephritis & nephrosis (580-589)	1	2.85	0.35	[0.01 - 1.96]
DIS. OF THE SKIN (680-739)	2	1.55	1.29	[0.16 - 4.65]
SYMPTOMS AND ILL-DEFINED CONDITIONS (780-799)	7	6.91	1.01	[0.41 - 2.09]
EXTERNAL CAUSES (E800-999)	27	32.09	0.84	[0.55 - 1.22]
Traffic accident (E810-819)	3	5.79	0.52	[0.11 - 1.51]
Suicide (E950-959)	5	9.71	0.51	[0.17 - 1.20]
Homicide (E960-969)	2	0.82	2.43	[0.29 - 8.77]
Other external causes (E800-807,E820-949,E970-999)	17	15.76	1.08	[0.63 - 1.73]
UNKNOWN CAUSES	0			
OTHER CAUSES	11			

Table 2.9.17
Mortality by cause

TOTAL COHORT
Ever employment in department 151 (sulphate pulp, digestion)

Causes of death (ICD 9th.revision)	Observed	Expected	SMR	95% Confidence intervals
ALL CAUSES	163	244.18	0.67	[0.57 - 0.78]
ALL MALIGNANT NEOPLASMS (140-208)	36	54.24	0.66	[0.46 - 0.92]
Oral cavity & pharynx (140-149)	0	1.4	0.00	[0.00 - 2.63]
Oral cavity (141,143-145)	0	0.46	0.00	[0.00 - 8.09]
Nasopharynx (147)	0	0.08	0.00	[0.00 - 45.5]
Oesophagus (150)	1	1.42	0.71	[0.02 - 3.94]
Stomach (151)	7	5.35	1.31	[0.53 - 2.70]
Colon (153)	1	2.8	0.36	[0.01 - 1.99]
Rectum (154)	0	1.93	0.00	[0.00 - 1.91]
Liver (155)	0	1.57	0.00	[0.00 - 2.35]
Gallbladder (156)	1	0.58	1.72	[0.04 - 9.59]
Pancreas (157)	3	2.84	1.06	[0.22 - 3.09]
Peritoneum and other unspecified organs(158-159)	1	0.42	2.40	[0.06 - 13.4]
Nose & sinuses (160)	0	0.19	0.00	[0.00 - 19.1]
Larynx (161)	2	0.93	2.15	[0.26 - 7.78]
Lung (162)	9	14.06	0.64	[0.29 - 1.22]
Pleura (163)	1	0.22	4.51	[0.11 - 25.1]
Other respiratory organs (164-165)	0	0.16	0.00	[0.00 - 23.1]
Bone (170)	0	0.31	0.00	[0.00 - 11.9]
Soft tissue (171)	0	0.24	0.00	[0.00 - 15.6]
Melanoma (172)	2	0.82	2.44	[0.29 - 8.80]
Other skin (173)	0	0.15	0.00	[0.00 - 24.5]
Breast (174-175)	1	1.56	0.64	[0.02 - 3.57]
Cervix uteri (180)	0	0.39	0.00	[0.00 - 9.54]
Corpus uteri & uterus unspecified (179,181-182)	1	0.27	3.71	[0.09 - 20.6]
Ovary (183)	0	0.63	0.00	[0.00 - 5.87]
Other female genital organs (184)	1	0.05	18.80	[0.47 - 0105]
Prostate (185)	4	3.46	1.16	[0.31 - 2.96]
Testis (186)	0	0.2	0.00	[0.00 - 18.3]
Other male genital organs (187)	0	0.05	0.00	[0.00 - 80.0]
Bladder (188)	1	1.25	0.80	[0.02 - 4.45]
Kidney (189)	0	1.45	0.00	[0.00 - 2.54]
Eye (190)	0	0.08	0.00	[0.00 - 47.5]
Brain (191-192)	0	1.66	0.00	[0.00 - 2.23]
Thyroid (193)	0	0.17	0.00	[0.00 - 22.2]
Other endocrine glands (194)	0	0.09	0.00	[0.00 - 42.6]
Ill defined (195,199)	0	1.63	0.00	[0.00 - 2.27]
Lymphatic & hematopoeitic tissue (200-208)	0	4.63	0.00	[0.00 - 0.80]
Non-Hodgkins lymphoma (200,202)	0	1.34	0.00	[0.00 - 2.75]
Hodgkins disease (201)	0	0.5	0.00	[0.00 - 7.36]
Multiple myeloma (203)	0	0.72	0.00	[0.00 - 5.10]
Leukemia & aleukemia (204-208)	0	1.89	0.00	[0.00 - 1.95]
Lymphoid leukemia (204)	0	0.47	0.00	[0.00 - 7.92]
Myeloid leukemia (205)	0	0.79	0.00	[0.00 - 4.67]
BENIGN NEOPLASMS (210-239)	1	0.99	1.01	[0.03 - 5.64]
DIS. OF ENDOCRINE SYSTEM & BLOOD (240-289)	2	3.83	0.52	[0.06 - 1.89]
MENTAL DISORDERS (290-319)	1	3.23	0.31	[0.01 - 1.73]
DIS. OF NERVOUS SYSTEM (320-389)	3	3.57	0.84	[0.17 - 2.46]
DIS. OF CIRCULATORY SYSTEM (390-459)	79	103.63	0.76	[0.60 - 0.95]
Hypertension (401-405)	1	2.29	0.44	[0.01 - 2.43]
Ischaemic heart disease (410-414)	44	62.71	0.70	[0.51 - 0.94]
Cerebrovascular (430-438)	12	19.28	0.62	[0.32 - 1.09]
Other heart diseases (4150,4152-4299)	15	10.5	1.43	[0.80 - 2.36]
DIS. OF RESPIRATORY SYSTEM (460-519)	5	13.65	0.37	[0.12 - 0.85]
Influenza (487)	0	0.42	0.00	[0.00 - 8.86]
Pneumonia (480-486)	4	5.98	0.67	[0.18 - 1.71]
Bronchitis,emphysema & asthma (490-493)	0	4.94	0.00	[0.00 - 0.75]
Pneumoconioses (500-508)	0	0.22	0.00	[0.00 - 16.7]
DIS. OF DIGESTIVE SYSTEM (520-579)	4	9.67	0.41	[0.11 - 1.06]
Liver cirrhosis (571)	2	4.11	0.49	[0.06 - 1.76]
DIS. OF GENITO-URINARY SYSTEM (580-629)	0	2.98	0.00	[0.00 - 1.24]
Nephritis & nephrosis (580-589)	0	1.54	0.00	[0.00 - 2.39]
DIS. OF THE SKIN (680-739)	0	0.95	0.00	[0.00 - 3.89]
SYMPTOMS AND ILL-DEFINED CONDITIONS (780-799)	2	4.24	0.47	[0.06 - 1.70]
EXTERNAL CAUSES (E800-999)	26	39.27	0.66	[0.43 - 0.97]
Traffic accident (E810-819)	2	6.98	0.29	[0.03 - 1.04]
Suicide (E950-959)	8	12.08	0.66	[0.29 - 1.30]
Homicide (E960-969)	0	1.38	0.00	[0.00 - 2.67]
Other external causes (E800-807,E820-949,E970-999)	16	18.83	0.85	[0.49 - 1.38]
UNKNOWN CAUSES	2			
OTHER CAUSES	2			

Table 2.9.18
Mortality by cause

TOTAL COHORT

Ever employment in department 153 (sulphate pulp, bleaching)

Causes of death (ICD 9th.revision)	Observed	Expected	SMR	95% Confidence intervals
ALL CAUSES	101	123.7	0.82	[0.67 - 0.99]
ALL MALIGNANT NEOPLASMS (140-208)	26	28	0.93	[0.61 - 1.36]
Oral cavity & pharynx (140-149)	1	0.69	1.45	[0.04 - 8.06]
Oral cavity (141,143-145)	1	0.24	4.24	[0.11 - 23.6]
Nasopharynx (147)	0	0.05	0.00	[0.00 - 79.4]
Oesophagus (150)	0	0.78	0.00	[0.00 - 4.75]
Stomach (151)	3	2.5	1.20	[0.25 - 3.51]
Colon (153)	1	1.83	0.55	[0.01 - 3.04]
Rectum (154)	0	1.17	0.00	[0.00 - 3.14]
Liver (155)	1	0.63	1.60	[0.04 - 8.90]
Gallbladder (156)	0	0.21	0.00	[0.00 - 17.5]
Pancreas (157)	2	1.37	1.46	[0.18 - 5.26]
Peritoneum and other unspecified organs(158-159)	2	0.18	11.40	[1.37 - 41.0]
Nose & sinuses (160)	0	0.08	0.00	[0.00 - 45.5]
Larynx (161)	0	0.45	0.00	[0.00 - 8.22]
Lung (162)	7	8.11	0.86	[0.35 - 1.78]
Pleura (163)	0	0.1	0.00	[0.00 - 36.6]
Other respiratory organs (164-165)	0	0.07	0.00	[0.00 - 51.0]
Bone (170)	0	0.15	0.00	[0.00 - 24.9]
Soft tissue (171)	0	0.11	0.00	[0.00 - 34.3]
Melanoma (172)	0	0.39	0.00	[0.00 - 9.56]
Other skin (173)	0	0.08	0.00	[0.00 - 44.3]
Breast (174-175)	0	0.16	0.00	[0.00 - 23.6]
Cervix uteri (180)	0	0.06	0.00	[0.00 - 64.6]
Corpus uteri & uterus unspecified (179,181-182)	0	0.02	0.00	[0.00 - 0176]
Ovary (183)	0	0.05	0.00	[0.00 - 75.8]
Other female genital organs (184)	0	-	-	-
Prostate (185)	2	2.19	0.91	[0.11 - 3.29]
Testis (186)	0	0.12	0.00	[0.00 - 30.1]
Other male genital organs (187)	0	0.03	0.00	[0.00 - 0110]
Bladder (188)	1	0.93	1.07	[0.03 - 5.98]
Kidney (189)	0	0.74	0.00	[0.00 - 4.99]
Eye (190)	0	0.03	0.00	[0.00 - 0111]
Brain (191-192)	2	0.8	2.51	[0.30 - 9.08]
Thyroid (193)	0	0.06	0.00	[0.00 - 57.1]
Other endocrine glands (194)	1	0.04	26.90	[0.67 - 0150]
Ill defined (195,199)	1	1.02	0.98	[0.02 - 5.45]
Lymphatic & hematopoeitic tissue (200-208)	2	2.26	0.88	[0.11 - 3.19]
Non-Hodgkins lymphoma (200,202)	1	0.64	1.56	[0.04 - 8.71]
Hodgkins disease (201)	0	0.24	0.00	[0.00 - 15.6]
Multiple myeloma (203)	1	0.37	2.73	[0.07 - 15.2]
Leukemia & aleukemia (204-208)	0	0.94	0.00	[0.00 - 3.91]
Lymphoid leukemia (204)	0	0.24	0.00	[0.00 - 15.6]
Myeloid leukemia (205)	0	0.36	0.00	[0.00 - 10.3]
BENIGN NEOPLASMS (210-239)	0	0.48	0.00	[0.00 - 7.69]
DIS. OF ENDOCRINE SYSTEM & BLOOD (240-289)	2	1.98	1.01	[0.12 - 3.66]
MENTAL DISORDERS (290-319)	0	1.21	0.00	[0.00 - 3.05]
DIS. OF NERVOUS SYSTEM (320-389)	0	1.64	0.00	[0.00 - 2.25]
DIS. OF CIRCULATORY SYSTEM (390-459)	47	54.25	0.87	[0.64 - 1.15]
Hypertension (401-405)	1	1.08	0.92	[0.02 - 5.15]
Ischaemic heart disease (410-414)	36	34.39	1.05	[0.73 - 1.45]
Cerebrovascular (430-438)	9	9.51	0.95	[0.43 - 1.80]
Other heart diseases (4150,4152-4299)	1	4.84	0.21	[0.01 - 1.15]
DIS. OF RESPIRATORY SYSTEM (460-519)	4	8.21	0.49	[0.13 - 1.25]
Influenza (487)	0	0.22	0.00	[0.00 - 17.1]
Pneumonia (480-486)	2	3.22	0.62	[0.08 - 2.24]
Bronchitis,emphysema & asthma (490-493)	1	2.95	0.34	[0.01 - 1.89]
Pneumoconioses (500-508)	0	0.17	0.00	[0.00 - 22.3]
DIS. OF DIGESTIVE SYSTEM (520-579)	4	4.66	0.86	[0.23 - 2.20]
Liver cirrhosis (571)	2	1.78	1.12	[0.14 - 4.05]
DIS. OF GENITO-URINARY SYSTEM (580-629)	0	1.73	0.00	[0.00 - 2.14]
Nephritis & nephrosis (580-589)	0	0.76	0.00	[0.00 - 4.83]
DIS. OF THE SKIN (680-739)	0	0.36	0.00	[0.00 - 10.3]
SYMPTOMS AND ILL-DEFINED CONDITIONS (780-799)	2	2.45	0.82	[0.10 - 2.95]
EXTERNAL CAUSES (E800-999)	12	17.11	0.70	[0.36 - 1.23]
Traffic accident (E810-819)	2	3.37	0.59	[0.07 - 2.15]
Suicide (E950-959)	4	5.17	0.77	[0.21 - 1.98]
Homicide (E960-969)	0	0.65	0.00	[0.00 - 5.69]
Other external causes (E800-807,E820-949,E970-999)	6	7.93	0.76	[0.28 - 1.65]
UNKNOWN CAUSES	0			
OTHER CAUSES	4			

Table 2.9.19
Mortality by cause

TOTAL COHORT
Ever employment in department 155 (sulphate pulp, winding)

Causes of death (ICD 9th.revision)	Observed	Expected	SMR	95% Confidence intervals
ALL CAUSES	116	124.83	0.93	[0.77 - 1.11]
ALL MALIGNANT NEOPLASMS (140-208)	33	27.86	1.18	[0.82 - 1.66]
Oral cavity & pharynx (140-149)	3	0.57	5.30	[1.09 - 15.5]
Oral cavity (141,143-145)	1	0.23	4.32	[0.11 - 24.1]
Nasopharynx (147)	0	0.05	0.00	[0.00 - 70.0]
Oesophagus (150)	0	0.56	0.00	[0.00 - 6.63]
Stomach (151)	0	2.71	0.00	[0.00 - 1.36]
Colon (153)	1	1.84	0.54	[0.01 - 3.03]
Rectum (154)	2	1.3	1.54	[0.19 - 5.56]
Liver (155)	1	0.49	2.04	[0.05 - 11.4]
Gallbladder (156)	0	0.2	0.00	[0.00 - 18.6]
Pancreas (157)	3	1.52	1.98	[0.41 - 5.78]
Peritoneum and other unspecified organs(158-159)	0	0.08	0.00	[0.00 - 43.8]
Nose & sinuses (160)	0	0.08	0.00	[0.00 - 49.0]
Larynx (161)	0	0.26	0.00	[0.00 - 14.1]
Lung (162)	7	6.75	1.04	[0.42 - 2.14]
Pleura (163)	0	0.14	0.00	[0.00 - 26.7]
Other respiratory organs (164-165)	0	0.05	0.00	[0.00 - 68.9]
Bone (170)	0	0.11	0.00	[0.00 - 33.5]
Soft tissue (171)	0	0.14	0.00	[0.00 - 26.0]
Melanoma (172)	0	0.64	0.00	[0.00 - 5.80]
Other skin (173)	0	0.08	0.00	[0.00 - 47.4]
Breast (174-175)	0	0.2	0.00	[0.00 - 18.1]
Cervix uteri (180)	0	0.1	0.00	[0.00 - 37.4]
Corpus uteri & uterus unspecified (179,181-182)	1	0.03	29.00	[0.72 - 0161]
Ovary (183)	0	0.07	0.00	[0.00 - 51.5]
Other female genital organs (184)	0	-	-	-
Prostate (185)	6	2.67	2.24	[0.82 - 4.88]
Testis (186)	0	0.15	0.00	[0.00 - 24.7]
Other male genital organs (187)	0	0.03	0.00	[0.00 - 0114]
Bladder (188)	0	0.84	0.00	[0.00 - 4.39]
Kidney (189)	2	0.88	2.27	[0.28 - 8.22]
Eye (190)	0	0.05	0.00	[0.00 - 75.8]
Brain (191-192)	0	0.98	0.00	[0.00 - 3.78]
Thyroid (193)	0	0.08	0.00	[0.00 - 49.1]
Other endocrine glands (194)	0	0.04	0.00	[0.00 - 82.7]
Ill defined (195,199)	1	1.3	0.77	[0.02 - 4.29]
Lymphatic & hematopoietic tissue (200-208)	5	2.58	1.94	[0.63 - 4.53]
Non-Hodgkins lymphoma (200,202)	3	0.79	3.80	[0.78 - 11.1]
Hodgkins disease (201)	0	0.25	0.00	[0.00 - 15.0]
Multiple myeloma (203)	1	0.51	1.96	[0.05 - 10.9]
Leukemia & aleukemia (204-208)	1	0.99	1.01	[0.03 - 5.61]
Lymphoid leukemia (204)	0	0.25	0.00	[0.00 - 14.8]
Myeloid leukemia (205)	1	0.47	2.13	[0.05 - 11.9]
BENIGN NEOPLASMS (210-239)	0	0.47	0.00	[0.00 - 7.80]
DIS. OF ENDOCRINE SYSTEM & BLOOD (240-289)	2	1.92	1.04	[0.13 - 3.76]
MENTAL DISORDERS (290-319)	1	1.37	0.73	[0.02 - 4.05]
DIS. OF NERVOUS SYSTEM (320-389)	1	1.87	0.54	[0.01 - 2.99]
DIS. OF CIRCULATORY SYSTEM (390-459)	46	56.45	0.81	[0.60 - 1.09]
Hypertension (401-405)	0	1.22	0.00	[0.00 - 3.03]
Ischaemic heart disease (410-414)	29	36.9	0.79	[0.53 - 1.13]
Cerebrovascular (430-438)	12	9.47	1.27	[0.65 - 2.21]
Other heart diseases (4150,4152-4299)	4	4.65	0.86	[0.23 - 2.20]
DIS. OF RESPIRATORY SYSTEM (460-519)	4	7.37	0.54	[0.15 - 1.39]
Influenza (487)	0	0.18	0.00	[0.00 - 20.2]
Pneumonia (480-486)	3	3.35	0.90	[0.18 - 2.62]
Bronchitis,emphysema & asthma (490-493)	1	2.63	0.38	[0.01 - 2.12]
Pneumoconioses (500-508)	0	0.08	0.00	[0.00 - 48.5]
DIS. OF DIGESTIVE SYSTEM (520-579)	1	3.87	0.26	[0.01 - 1.44]
Liver cirrhosis (571)	1	1.42	0.71	[0.02 - 3.93]
DIS. OF GENITO-URINARY SYSTEM (580-629)	2	1.42	1.41	[0.17 - 5.10]
Nephritis & nephrosis (580-589)	1	0.72	1.38	[0.03 - 7.69]
DIS. OF THE SKIN (680-739)	0	0.42	0.00	[0.00 - 8.73]
SYMPTOMS AND ILL-DEFINED CONDITIONS (780-799)	2	3.53	0.57	[0.07 - 2.05]
EXTERNAL CAUSES (E800-999)	21	16.68	1.26	[0.78 - 1.92]
Traffic accident (E810-819)	3	3.08	0.97	[0.20 - 2.85]
Suicide (E950-959)	5	5	1.00	[0.32 - 2.33]
Homicide (E960-969)	0	0.53	0.00	[0.00 - 6.99]
Other external causes (E800-807,E820-949,E970-999)	13	8.07	1.61	[0.86 - 2.75]
UNKNOWN CAUSES	0			
OTHER CAUSES	3			

Table 2.9.20
Mortality by cause

TOTAL COHORT
Ever employment in department 156 (cooking liquor)

Causes of death (ICD 9th.revision)	Observed	Expected	SMR	95% Confidence intervals
ALL CAUSES	99	109.7	0.90	[0.73 - 1.10]
ALL MALIGNANT NEOPLASMS (140-208)	21	25.38	0.83	[0.51 - 1.26]
Oral cavity & pharynx (140-149)	1	0.84	1.19	[0.03 - 6.61]
Oral cavity (141,143-145)	1	0.25	3.98	[0.10 - 22.2]
Nasopharynx (147)	0	0.05	0.00	[0.00 - 79.9]
Oesophagus (150)	1	0.78	1.28	[0.03 - 7.11]
Stomach (151)	0	2.51	0.00	[0.00 - 1.47]
Colon (153)	1	1.57	0.64	[0.02 - 3.55]
Rectum (154)	1	0.96	1.05	[0.03 - 5.83]
Liver (155)	0	0.86	0.00	[0.00 - 4.28]
Gallbladder (156)	0	0.22	0.00	[0.00 - 17.1]
Pancreas (157)	1	1.24	0.80	[0.02 - 4.48]
Peritoneum and other unspecified organs(158-159)	0	0.16	0.00	[0.00 - 22.6]
Nose & sinuses (160)	0	0.08	0.00	[0.00 - 47.1]
Larynx (161)	1	0.6	1.65	[0.04 - 9.21]
Lung (162)	4	6.66	0.60	[0.16 - 1.54]
Pleura (163)	1	0.06	16.10	[0.40 - 89.6]
Other respiratory organs (164-165)	0	0.07	0.00	[0.00 - 50.7]
Bone (170)	0	0.17	0.00	[0.00 - 21.2]
Soft tissue (171)	0	0.09	0.00	[0.00 - 41.2]
Melanoma (172)	1	0.37	2.72	[0.07 - 15.1]
Other skin (173)	0	0.08	0.00	[0.00 - 47.2]
Breast (174-175)	0	0.11	0.00	[0.00 - 32.8]
Cervix uteri (180)	0	0.05	0.00	[0.00 - 79.7]
Corpus uteri & uterus unspecified (179,181-182)	0	0.01	0.00	[0.00 - 0263]
Ovary (183)	0	0.04	0.00	[0.00 - 0104]
Other female genital organs (184)	0	-	-	-
Prostate (185)	2	1.78	1.12	[0.14 - 4.06]
Testis (186)	0	0.11	0.00	[0.00 - 32.6]
Other male genital organs (187)	0	0.02	0.00	[0.00 - 0160]
Bladder (188)	1	0.64	1.55	[0.04 - 8.66]
Kidney (189)	2	0.61	3.30	[0.40 - 11.9]
Eye (190)	0	0.02	0.00	[0.00 - 0164]
Brain (191-192)	1	0.77	1.30	[0.03 - 7.27]
Thyroid (193)	0	0.05	0.00	[0.00 - 67.2]
Other endocrine glands (194)	0	0.03	0.00	[0.00 - 0130]
Ill defined (195,199)	1	0.82	1.22	[0.03 - 6.81]
Lymphatic & hematopoeitic tissue (200-208)	2	2.07	0.97	[0.12 - 3.49]
Non-Hodgkins lymphoma (200,202)	1	0.52	1.93	[0.05 - 10.7]
Hodgkins disease (201)	0	0.22	0.00	[0.00 - 16.7]
Multiple myeloma (203)	0	0.3	0.00	[0.00 - 12.1]
Leukemia & aleukemia (204-208)	1	0.88	1.14	[0.03 - 6.36]
Lymphoid leukemia (204)	0	0.18	0.00	[0.00 - 20.6]
Myeloid leukemia (205)	1	0.3	3.39	[0.08 - 18.9]
BENIGN NEOPLASMS (210-239)	1	0.46	2.15	[0.05 - 12.0]
DIS. OF ENDOCRINE SYSTEM & BLOOD (240-289)	0	1.98	0.00	[0.00 - 1.86]
MENTAL DISORDERS (290-319)	2	1.07	1.87	[0.23 - 6.75]
DIS. OF NERVOUS SYSTEM (320-389)	0	1.48	0.00	[0.00 - 2.49]
DIS. OF CIRCULATORY SYSTEM (390-459)	48	45.15	1.06	[0.78 - 1.41]
Hypertension (401-405)	0	1.13	0.00	[0.00 - 3.28]
Ischaemic heart disease (410-414)	24	27.53	0.87	[0.56 - 1.30]
Cerebrovascular (430-438)	11	7.21	1.53	[0.76 - 2.73]
Other heart diseases (4150,4152-4299)	7	4.91	1.43	[0.57 - 2.94]
DIS. OF RESPIRATORY SYSTEM (460-519)	3	5.63	0.53	[0.11 - 1.56]
Influenza (487)	0	0.13	0.00	[0.00 - 28.2]
Pneumonia (480-486)	2	2.24	0.89	[0.11 - 3.22]
Bronchitis,emphysema & asthma (490-493)	0	1.78	0.00	[0.00 - 2.08]
Pneumoconioses (500-508)	0	0.15	0.00	[0.00 - 24.5]
DIS. OF DIGESTIVE SYSTEM (520-579)	2	4.93	0.41	[0.05 - 1.47]
Liver cirrhosis (571)	0	2.21	0.00	[0.00 - 1.67]
DIS. OF GENITO-URINARY SYSTEM (580-629)	2	1.53	1.30	[0.16 - 4.71]
Nephritis & nephrosis (580-589)	1	0.81	1.23	[0.03 - 6.87]
DIS. OF THE SKIN (680-739)	0	0.31	0.00	[0.00 - 12.1]
SYMPTOMS AND ILL-DEFINED CONDITIONS (780-799)	0	2.71	0.00	[0.00 - 1.36]
EXTERNAL CAUSES (E800-999)	16	17.41	0.92	[0.53 - 1.49]
Traffic accident (E810-819)	1	3.49	0.29	[0.01 - 1.60]
Suicide (E950-959)	7	4.68	1.49	[0.60 - 3.08]
Homicide (E960-969)	1	0.54	1.87	[0.05 - 10.4]
Other external causes (E800-807,E820-949,E970-999)	7	8.7	0.80	[0.32 - 1.66]
UNKNOWN CAUSES	1			
OTHER CAUSES	3			

Table 2.9.21
Mortality by cause

TOTAL COHORT
Ever employment in department 159 (sulphate pulp, unknown)

Causes of death (ICD 9th.revision)	Observed	Expected	SMR	95% Confidence intervals
ALL CAUSES	707	700.3	1.01	[0.94 - 1.09]
ALL MALIGNANT NEOPLASMS (140-208)	143	151.55	0.94	[0.80 - 1.11]
Oral cavity & pharynx (140-149)	1	2.59	0.39	[0.01 - 2.15]
Oral cavity (141,143-145)	1	1.05	0.95	[0.02 - 5.30]
Nasopharynx (147)	0	0.24	0.00	[0.00 - 15.7]
Oesophagus (150)	2	3.5	0.57	[0.07 - 2.07]
Stomach (151)	17	17.86	0.95	[0.55 - 1.52]
Colon (153)	11	8.18	1.35	[0.67 - 2.41]
Rectum (154)	3	5.57	0.54	[0.11 - 1.57]
Liver (155)	1	3.4	0.29	[0.01 - 1.64]
Gallbladder (156)	3	2.14	1.40	[0.29 - 4.10]
Pancreas (157)	6	8.74	0.69	[0.25 - 1.49]
Peritoneum and other unspecified organs(158-159)	1	1.34	0.74	[0.02 - 4.15]
Nose & sinuses (160)	0	0.34	0.00	[0.00 - 10.8]
Larynx (161)	3	1.68	1.78	[0.37 - 5.21]
Lung (162)	41	38.63	1.06	[0.76 - 1.44]
Pleura (163)	2	0.53	3.77	[0.46 - 13.6]
Other respiratory organs (164-165)	0	0.53	0.00	[0.00 - 6.94]
Bone (170)	0	0.67	0.00	[0.00 - 5.53]
Soft tissue (171)	1	0.65	1.53	[0.04 - 8.52]
Melanoma (172)	0	2.06	0.00	[0.00 - 1.79]
Other skin (173)	0	0.47	0.00	[0.00 - 7.83]
Breast (174-175)	4	4.21	0.95	[0.26 - 2.43]
Cervix uteri (180)	2	1.01	1.98	[0.24 - 7.15]
Corpus uteri & uterus unspecified (179,181-182)	0	1.07	0.00	[0.00 - 3.45]
Ovary (183)	2	1.79	1.12	[0.14 - 4.04]
Other female genital organs (184)	0	0.28	0.00	[0.00 - 13.1]
Prostate (185)	11	11.25	0.98	[0.49 - 1.75]
Testis (186)	0	0.36	0.00	[0.00 - 10.2]
Other male genital organs (187)	1	0.14	7.04	[0.18 - 39.2]
Bladder (188)	5	3.87	1.29	[0.42 - 3.02]
Kidney (189)	4	4.61	0.87	[0.24 - 2.22]
Eye (190)	0	0.24	0.00	[0.00 - 15.5]
Brain (191-192)	2	3.94	0.51	[0.06 - 1.84]
Thyroid (193)	0	0.62	0.00	[0.00 - 5.91]
Other endocrine glands (194)	0	0.25	0.00	[0.00 - 14.6]
Ill defined (195,199)	4	4.59	0.87	[0.24 - 2.23]
Lymphatic & hematopoeitic tissue (200-208)	11	12.61	0.87	[0.44 - 1.56]
Non-Hodgkins lymphoma (200,202)	1	3.92	0.26	[0.01 - 1.42]
Hodgkins disease (201)	1	1.22	0.82	[0.02 - 4.55]
Multiple myeloma (203)	6	2.48	2.42	[0.89 - 5.28]
Leukemia & aleukemia (204-208)	3	4.95	0.61	[0.13 - 1.77]
Lymphoid leukemia (204)	1	1.34	0.75	[0.02 - 4.17]
Myeloid leukemia (205)	1	1.96	0.51	[0.01 - 2.84]
BENIGN NEOPLASMS (210-239)	4	2.74	1.46	[0.40 - 3.73]
DIS. OF ENDOCRINE SYSTEM & BLOOD (240-289)	10	11.25	0.89	[0.43 - 1.63]
MENTAL DISORDERS (290-319)	3	9.61	0.31	[0.06 - 0.91]
DIS. OF NERVOUS SYSTEM (320-389)	15	8.82	1.70	[0.95 - 2.81]
DIS. OF CIRCULATORY SYSTEM (390-459)	373	344.58	1.08	[0.98 - 1.20]
Hypertension (401-405)	3	7.5	0.40	[0.08 - 1.17]
Ischaemic heart disease (410-414)	212	216.48	0.98	[0.85 - 1.12]
Cerebrovascular (430-438)	42	67.75	0.62	[0.45 - 0.84]
Other heart diseases (4150,4152-4299)	33	28.26	1.17	[0.80 - 1.64]
DIS. OF RESPIRATORY SYSTEM (460-519)	51	44.38	1.15	[0.86 - 1.51]
Influenza (487)	1	1.86	0.54	[0.01 - 2.99]
Pneumonia (480-486)	23	21.35	1.08	[0.68 - 1.62]
Bronchitis,emphysema & asthma (490-493)	18	14.55	1.24	[0.73 - 1.95]
Pneumoconioses (500-508)	1	0.46	2.16	[0.05 - 12.0]
DIS. OF DIGESTIVE SYSTEM (520-579)	20	23.62	0.85	[0.52 - 1.31]
Liver cirrhosis (571)	6	6.93	0.87	[0.32 - 1.88]
DIS. OF GENITO-URINARY SYSTEM (580-629)	9	10.5	0.86	[0.39 - 1.63]
Nephritis & nephrosis (580-589)	3	4.77	0.63	[0.13 - 1.84]
DIS. OF THE SKIN (680-739)	3	2.76	1.09	[0.22 - 3.18]
SYMPTOMS AND ILL-DEFINED CONDITIONS (780-799)	3	7.02	0.43	[0.09 - 1.25]
EXTERNAL CAUSES (E800-999)	59	69.41	0.85	[0.65 - 1.10]
Traffic accident (E810-819)	5	13.54	0.37	[0.12 - 0.86]
Suicide (E950-959)	4	21.04	0.19	[0.05 - 0.49]
Homicide (E960-969)	1	2.62	0.38	[0.01 - 2.12]
Other external causes (E800-807,E820-949,E970-999)	49	32.21	1.52	[1.13 - 2.01]
UNKNOWN CAUSES	3			
OTHER CAUSES	11			

Table 2.9.22
Mortality by cause

TOTAL COHORT
Ever employment in department 161 (chlorine plant)

Causes of death (ICD 9th.revision)	Observed	Expected	SMR	95% Confidence intervals
ALL CAUSES	134	138.02	0.97	[0.81 - 1.15]
ALL MALIGNANT NEOPLASMS (140-208)	36	31.2	1.15	[0.81 - 1.60]
Oral cavity & pharynx (140-149)	1	0.67	1.49	[0.04 - 8.31]
Oral cavity (141,143-145)	1	0.29	3.46	[0.09 - 19.3]
Nasopharynx (147)	0	0.05	0.00	[0.00 - 72.6]
Oesophagus (150)	1	0.64	1.56	[0.04 - 8.68]
Stomach (151)	2	2.86	0.70	[0.08 - 2.52]
Colon (153)	3	2.5	1.20	[0.25 - 3.51]
Rectum (154)	2	1.43	1.40	[0.17 - 5.04]
Liver (155)	1	0.37	2.67	[0.07 - 14.9]
Gallbladder (156)	0	0.2	0.00	[0.00 - 18.1]
Pancreas (157)	2	1.71	1.17	[0.14 - 4.24]
Peritoneum and other unspecified organs(158-159)	0	0.04	0.00	[0.00 - 94.6]
Nose & sinuses (160)	0	0.08	0.00	[0.00 - 46.8]
Larynx (161)	0	0.28	0.00	[0.00 - 13.3]
Lung (162)	8	7.1	1.13	[0.49 - 2.22]
Pleura (163)	0	0.11	0.00	[0.00 - 33.4]
Other respiratory organs (164-165)	0	0.04	0.00	[0.00 - 0104]
Bone (170)	0	0.1	0.00	[0.00 - 38.2]
Soft tissue (171)	0	0.16	0.00	[0.00 - 23.8]
Melanoma (172)	3	0.57	5.28	[1.09 - 15.4]
Other skin (173)	0	0.1	0.00	[0.00 - 38.5]
Breast (174-175)	1	0.13	7.54	[0.19 - 42.0]
Cervix uteri (180)	0	0.03	0.00	[0.00 - 0115]
Corpus uteri & uterus unspecified (179,181-182)	0	0.01	0.00	[0.00 - 0366]
Ovary (183)	0	0.05	0.00	[0.00 - 79.6]
Other female genital organs (184)	0	-	-	-
Prostate (185)	3	3.74	0.80	[0.17 - 2.35]
Testis (186)	0	0.15	0.00	[0.00 - 24.4]
Other male genital organs (187)	1	0.04	27.80	[0.69 - 0155]
Bladder (188)	3	1.12	2.67	[0.55 - 7.80]
Kidney (189)	2	0.92	2.16	[0.26 - 7.82]
Eye (190)	0	0.05	0.00	[0.00 - 73.1]
Brain (191-192)	0	0.86	0.00	[0.00 - 4.28]
Thyroid (193)	0	0.08	0.00	[0.00 - 45.4]
Other endocrine glands (194)	0	0.04	0.00	[0.00 - 97.4]
Ill defined (195,199)	2	1.73	1.16	[0.14 - 4.19]
Lymphatic & hematopoeitic tissue (200-208)	1	2.86	0.35	[0.01 - 1.95]
Non-Hodgkins lymphoma (200,202)	0	0.85	0.00	[0.00 - 4.36]
Hodgkins disease (201)	0	0.23	0.00	[0.00 - 15.8]
Multiple myeloma (203)	0	0.63	0.00	[0.00 - 5.88]
Leukemia & aleukemia (204-208)	1	1.11	0.90	[0.02 - 5.04]
Lymphoid leukemia (204)	0	0.26	0.00	[0.00 - 13.9]
Myeloid leukemia (205)	1	0.46	2.18	[0.05 - 12.1]
BENIGN NEOPLASMS (210-239)	2	0.54	3.69	[0.45 - 13.3]
DIS. OF ENDOCRINE SYSTEM & BLOOD (240-289)	2	2.39	0.84	[0.10 - 3.03]
MENTAL DISORDERS (290-319)	4	1.33	3.02	[0.82 - 7.73]
DIS. OF NERVOUS SYSTEM (320-389)	1	1.93	0.52	[0.01 - 2.88]
DIS. OF CIRCULATORY SYSTEM (390-459)	64	66.6	0.96	[0.74 - 1.23]
Hypertension (401-405)	0	1.69	0.00	[0.00 - 2.18]
Ischaemic heart disease (410-414)	45	43.34	1.04	[0.76 - 1.39]
Cerebrovascular (430-438)	9	11.51	0.78	[0.36 - 1.48]
Other heart diseases (4150,4152-4299)	5	5.48	0.91	[0.30 - 2.13]
DIS. OF RESPIRATORY SYSTEM (460-519)	5	9.69	0.52	[0.17 - 1.20]
Influenza (487)	1	0.23	4.32	[0.11 - 24.1]
Pneumonia (480-486)	1	4.6	0.22	[0.01 - 1.21]
Bronchitis,emphysema & asthma (490-493)	3	2.64	1.14	[0.23 - 3.33]
Pneumoconioses (500-508)	0	0.14	0.00	[0.00 - 26.1]
DIS. OF DIGESTIVE SYSTEM (520-579)	3	4.15	0.72	[0.15 - 2.11]
Liver cirrhosis (571)	1	1.17	0.85	[0.02 - 4.74]
DIS. OF GENITO-URINARY SYSTEM (580-629)	0	1.97	0.00	[0.00 - 1.88]
Nephritis & nephrosis (580-589)	0	0.89	0.00	[0.00 - 4.15]
DIS. OF THE SKIN (680-739)	0	0.46	0.00	[0.00 - 8.03]
SYMPTOMS AND ILL-DEFINED CONDITIONS (780-799)	4	4.82	0.83	[0.23 - 2.13]
EXTERNAL CAUSES (E800-999)	9	11.38	0.79	[0.36 - 1.50]
Traffic accident (E810-819)	0	2.32	0.00	[0.00 - 1.59]
Suicide (E950-959)	4	2.85	1.40	[0.38 - 3.60]
Homicide (E960-969)	0	0.46	0.00	[0.00 - 8.10]
Other external causes (E800-807,E820-949,E970-999)	5	5.76	0.87	[0.28 - 2.03]
UNKNOWN CAUSES	0			
OTHER CAUSES	4			

Table 2.9.23
Mortality by cause

TOTAL COHORT
Ever employment in department 164 (viscose rayon plant)

Causes of death (ICD 9th.revision)	Observed	Expected	SMR	95% Confidence intervals
ALL CAUSES	404	356.3	1.13	[1.03 - 1.25]
ALL MALIGNANT NEOPLASMS (140-208)	79	82.22	0.96	[0.76 - 1.20]
Oral cavity & pharynx (140-149)	2	1.56	1.28	[0.16 - 4.63]
Oral cavity (141,143-145)	0	0.72	0.00	[0.00 - 5.16]
Nasopharynx (147)	0	0.13	0.00	[0.00 - 28.4]
Oesophagus (150)	0	1.51	0.00	[0.00 - 2.44]
Stomach (151)	11	9.87	1.11	[0.56 - 1.99]
Colon (153)	9	5.98	1.50	[0.69 - 2.86]
Rectum (154)	6	4.3	1.40	[0.51 - 3.04]
Liver (155)	0	0.89	0.00	[0.00 - 4.16]
Gallbladder (156)	0	0.5	0.00	[0.00 - 7.41]
Pancreas (157)	3	4.74	0.63	[0.13 - 1.85]
Peritoneum and other unspecified organs(158-159)	0	0.01	0.00	[0.00 - 0.258]
Nose & sinuses (160)	0	0.26	0.00	[0.00 - 14.1]
Larynx (161)	0	0.61	0.00	[0.00 - 6.01]
Lung (162)	16	15.65	1.02	[0.58 - 1.66]
Pleura (163)	1	0.34	2.91	[0.07 - 16.2]
Other respiratory organs (164-165)	0	0.1	0.00	[0.00 - 37.3]
Bone (170)	0	0.18	0.00	[0.00 - 20.1]
Soft tissue (171)	2	0.39	5.12	[0.62 - 18.5]
Melanoma (172)	1	1.39	0.72	[0.02 - 4.02]
Other skin (173)	0	0.24	0.00	[0.00 - 15.4]
Breast (174-175)	0	0.25	0.00	[0.00 - 14.7]
Cervix uteri (180)	0	0.06	0.00	[0.00 - 64.7]
Corpus uteri & uterus unspecified (179,181-182)	0	0.02	0.00	[0.00 - 0.165]
Ovary (183)	0	0.09	0.00	[0.00 - 40.1]
Other female genital organs (184)	0	0.01	0.00	[0.00 - 0.669]
Prostate (185)	6	11.1	0.54	[0.20 - 1.18]
Testis (186)	1	0.35	2.90	[0.07 - 16.1]
Other male genital organs (187)	0	0.11	0.00	[0.00 - 32.6]
Bladder (188)	4	3.32	1.20	[0.33 - 3.08]
Kidney (189)	1	2.68	0.37	[0.01 - 2.08]
Eye (190)	0	0.16	0.00	[0.00 - 23.3]
Brain (191-192)	1	2.24	0.45	[0.01 - 2.49]
Thyroid (193)	0	0.25	0.00	[0.00 - 14.6]
Other endocrine glands (194)	0	0.1	0.00	[0.00 - 38.1]
Ill defined (195,199)	3	5.09	0.59	[0.12 - 1.72]
Lymphatic & hematopoeitic tissue (200-208)	10	7.43	1.35	[0.65 - 2.48]
Non-Hodgkins lymphoma (200,202)	4	2.13	1.88	[0.51 - 4.81]
Hodgkins disease (201)	1	0.62	1.61	[0.04 - 8.95]
Multiple myeloma (203)	1	1.88	0.53	[0.01 - 2.97]
Leukemia & aleukemia (204-208)	4	2.8	1.43	[0.39 - 3.66]
Lymphoid leukemia (204)	0	0.68	0.00	[0.00 - 5.45]
Myeloid leukemia (205)	1	1.13	0.89	[0.02 - 4.94]
BENIGN NEOPLASMS (210-239)	4	1.66	2.41	[0.66 - 6.18]
DIS. OF ENDOCRINE SYSTEM & BLOOD (240-289)	4	4.86	0.82	[0.22 - 2.11]
MENTAL DISORDERS (290-319)	3	3.27	0.92	[0.19 - 2.68]
DIS. OF NERVOUS SYSTEM (320-389)	10	5.25	1.90	[0.91 - 3.50]
DIS. OF CIRCULATORY SYSTEM (390-459)	210	174.54	1.20	[1.05 - 1.38]
Hypertension (401-405)	3	4.32	0.69	[0.14 - 2.03]
Ischaemic heart disease (410-414)	137	112.13	1.22	[1.03 - 1.44]
Cerebrovascular (430-438)	43	33.27	1.29	[0.94 - 1.74]
Other heart diseases (4150,4152-4299)	8	12.71	0.63	[0.27 - 1.24]
DIS. OF RESPIRATORY SYSTEM (460-519)	29	24.79	1.17	[0.78 - 1.68]
Influenza (487)	0	0.72	0.00	[0.00 - 5.13]
Pneumonia (480-486)	12	13.19	0.91	[0.47 - 1.59]
Bronchitis,empysema & asthma (490-493)	13	7.65	1.70	[0.90 - 2.91]
Pneumoconioses (500-508)	0	0.18	0.00	[0.00 - 21.0]
DIS. OF DIGESTIVE SYSTEM (520-579)	12	9.44	1.27	[0.66 - 2.22]
Liver cirrhosis (571)	4	2.08	1.92	[0.52 - 4.92]
DIS. OF GENITO-URINARY SYSTEM (580-629)	5	5.26	0.95	[0.31 - 2.22]
Nephritis & nephrosis (580-589)	2	2.25	0.89	[0.11 - 3.22]
DIS. OF THE SKIN (680-739)	0	1.29	0.00	[0.00 - 2.87]
SYMPTOMS AND ILL-DEFINED CONDITIONS (780-799)	16	16.39	0.98	[0.56 - 1.59]
EXTERNAL CAUSES (E800-999)	24	23.32	1.03	[0.66 - 1.53]
Traffic accident (E810-819)	6	3.81	1.57	[0.58 - 3.42]
Suicide (E950-959)	5	5.67	0.88	[0.29 - 2.06]
Homicide (E960-969)	1	0.32	3.13	[0.08 - 17.4]
Other external causes (E800-807,E820-949,E970-999)	12	13.52	0.89	[0.46 - 1.55]
UNKNOWN CAUSES	0			
OTHER CAUSES	8			

**Table 2.9.24
Mortality by cause**

TOTAL COHORT

Ever employment in department 165 (yeast or ethanol plant)

Causes of death (ICD 9th.revision)	Observed	Expected	SMR	95% Confidence intervals
ALL CAUSES	63	70.65	0.89	[0.69 - 1.14]
ALL MALIGNANT NEOPLASMS (140-208)	14	16.39	0.85	[0.47 - 1.43]
Oral cavity & pharynx (140-149)	0	0.3	0.00	[0.00 - 12.4]
Oral cavity (141,143-145)	0	0.13	0.00	[0.00 - 28.0]
Nasopharynx (147)	0	0.03	0.00	[0.00 - 0142]
Oesophagus (150)	0	0.31	0.00	[0.00 - 12.0]
Stomach (151)	0	1.88	0.00	[0.00 - 1.96]
Colon (153)	3	1.13	2.65	[0.55 - 7.76]
Rectum (154)	0	0.82	0.00	[0.00 - 4.50]
Liver (155)	0	0.21	0.00	[0.00 - 17.9]
Gallbladder (156)	0	0.12	0.00	[0.00 - 31.0]
Pancreas (157)	1	0.95	1.06	[0.03 - 5.89]
Peritoneum and other unspecified organs(158-159)	0	0.02	0.00	[0.00 - 0152]
Nose & sinuses (160)	0	0.05	0.00	[0.00 - 75.7]
Larynx (161)	0	0.13	0.00	[0.00 - 28.5]
Lung (162)	2	3.49	0.57	[0.07 - 2.07]
Pleura (163)	0	0.07	0.00	[0.00 - 51.6]
Other respiratory organs (164-165)	0	0.03	0.00	[0.00 - 0129]
Bone (170)	0	0.04	0.00	[0.00 - 85.1]
Soft tissue (171)	0	0.08	0.00	[0.00 - 48.9]
Melanoma (172)	1	0.28	3.57	[0.09 - 19.9]
Other skin (173)	0	0.04	0.00	[0.00 - 84.6]
Breast (174-175)	0	0.07	0.00	[0.00 - 54.3]
Cervix uteri (180)	0	0.02	0.00	[0.00 - 0241]
Corpus uteri & uterus unspecified (179,181-182)	0	0.01	0.00	[0.00 - 0373]
Ovary (183)	0	0.03	0.00	[0.00 - 0141]
Other female genital organs (184)	0	-	-	-
Prostate (185)	2	2.06	0.97	[0.12 - 3.50]
Testis (186)	0	0.07	0.00	[0.00 - 56.5]
Other male genital organs (187)	1	0.02	47.90	[1.20 - 0267]
Bladder (188)	1	0.62	1.62	[0.04 - 9.01]
Kidney (189)	0	0.54	0.00	[0.00 - 6.81]
Eye (190)	0	0.03	0.00	[0.00 - 0120]
Brain (191-192)	1	0.45	2.22	[0.06 - 12.4]
Thyroid (193)	0	0.05	0.00	[0.00 - 71.5]
Other endocrine glands (194)	0	0.02	0.00	[0.00 - 0166]
Ill defined (195,199)	1	0.9	1.11	[0.03 - 6.16]
Lymphatic & hematopoeitic tissue (200-208)	1	1.46	0.69	[0.02 - 3.83]
Non-Hodgkins lymphoma (200,202)	0	0.43	0.00	[0.00 - 8.51]
Hodgkins disease (201)	0	0.12	0.00	[0.00 - 30.1]
Multiple myeloma (203)	1	0.36	2.80	[0.07 - 15.6]
Leukemia & aleukemia (204-208)	0	0.54	0.00	[0.00 - 6.79]
Lymphoid leukemia (204)	0	0.14	0.00	[0.00 - 26.5]
Myeloid leukemia (205)	0	0.23	0.00	[0.00 - 16.3]
BENIGN NEOPLASMS (210-239)	0	0.32	0.00	[0.00 - 11.4]
DIS. OF ENDOCRINE SYSTEM & BLOOD (240-289)	0	0.96	0.00	[0.00 - 3.84]
MENTAL DISORDERS (290-319)	0	0.76	0.00	[0.00 - 4.82]
DIS. OF NERVOUS SYSTEM (320-389)	1	1.02	0.98	[0.02 - 5.44]
DIS. OF CIRCULATORY SYSTEM (390-459)	31	34.6	0.90	[0.61 - 1.27]
Hypertension (401-405)	2	0.79	2.53	[0.31 - 9.14]
Ischaemic heart disease (410-414)	18	22.54	0.80	[0.47 - 1.26]
Cerebrovascular (430-438)	5	6.35	0.79	[0.26 - 1.84]
Other heart diseases (4150,4152-4299)	3	2.48	1.21	[0.25 - 3.53]
DIS. OF RESPIRATORY SYSTEM (460-519)	6	4.79	1.25	[0.46 - 2.73]
Influenza (487)	1	0.14	7.18	[0.18 - 40.0]
Pneumonia (480-486)	0	2.42	0.00	[0.00 - 1.53]
Bronchitis,emphysema & asthma (490-493)	5	1.61	3.10	[1.01 - 7.23]
Pneumoconioses (500-508)	0	0.03	0.00	[0.00 - 0107]
DIS. OF DIGESTIVE SYSTEM (520-579)	1	1.9	0.53	[0.01 - 2.93]
Liver cirrhosis (571)	1	0.44	2.26	[0.06 - 12.6]
DIS. OF GENITO-URINARY SYSTEM (580-629)	0	0.98	0.00	[0.00 - 3.77]
Nephritis & nephrosis (580-589)	0	0.44	0.00	[0.00 - 8.41]
DIS. OF THE SKIN (680-739)	0	0.25	0.00	[0.00 - 14.5]
SYMPTOMS AND ILL-DEFINED CONDITIONS (780-799)	6	2.67	2.24	[0.82 - 4.89]
EXTERNAL CAUSES (E800-999)	4	5.11	0.78	[0.21 - 2.00]
Traffic accident (E810-819)	1	0.87	1.15	[0.03 - 6.39]
Suicide (E950-959)	0	1.39	0.00	[0.00 - 2.66]
Homicide (E960-969)	1	0.08	12.20	[0.31 - 68.1]
Other external causes (E800-807,E820-949,E970-999)	2	2.77	0.72	[0.09 - 2.61]
UNKNOWN CAUSES	0			
OTHER CAUSES	0			

Table 2.9.25
Mortality by cause

TOTAL COHORT
Ever employment in department 166 (vanillin plant)

Causes of death (ICD 9th.revision)	Observed	Expected	SMR	95% Confidence intervals
ALL CAUSES	52	50.17	1.04	[0.77 - 1.36]
ALL MALIGNANT NEOPLASMS (140-208)	14	11.84	1.18	[0.65 - 1.98]
Oral cavity & pharynx (140-149)	0	0.23	0.00	[0.00 - 15.7]
Oral cavity (141,143-145)	0	0.11	0.00	[0.00 - 34.5]
Nasopharynx (147)	0	0.02	0.00	[0.00 - 0175]
Oesophagus (150)	0	0.22	0.00	[0.00 - 16.7]
Stomach (151)	0	1.29	0.00	[0.00 - 2.85]
Colon (153)	2	0.85	2.34	[0.28 - 8.47]
Rectum (154)	2	0.62	3.23	[0.39 - 11.7]
Liver (155)	2	0.13	15.70	[1.90 - 56.6]
Gallbladder (156)	0	0.07	0.00	[0.00 - 51.1]
Pancreas (157)	1	0.68	1.47	[0.04 - 8.19]
Peritoneum and other unspecified organs(158-159)	0	-	-	-
Nose & sinuses (160)	0	0.04	0.00	[0.00 - 95.0]
Larynx (161)	0	0.09	0.00	[0.00 - 41.7]
Lung (162)	3	2.41	1.25	[0.26 - 3.64]
Pleura (163)	0	0.06	0.00	[0.00 - 62.1]
Other respiratory organs (164-165)	0	0.02	0.00	[0.00 - 0238]
Bone (170)	0	0.03	0.00	[0.00 - 0110]
Soft tissue (171)	0	0.06	0.00	[0.00 - 57.9]
Melanoma (172)	0	0.26	0.00	[0.00 - 14.0]
Other skin (173)	0	0.03	0.00	[0.00 - 0135]
Breast (174-175)	0	0.01	0.00	[0.00 - 0311]
Cervix uteri (180)	0	-	-	-
Corpus uteri & uterus unspecified (179,181-182)	0	-	-	-
Ovary (183)	0	-	-	-
Other female genital organs (184)	0	-	-	-
Prostate (185)	0	1.4	0.00	[0.00 - 2.63]
Testis (186)	0	0.08	0.00	[0.00 - 48.5]
Other male genital organs (187)	0	0.02	0.00	[0.00 - 0235]
Bladder (188)	1	0.44	2.27	[0.06 - 12.6]
Kidney (189)	0	0.4	0.00	[0.00 - 9.12]
Eye (190)	0	0.02	0.00	[0.00 - 0153]
Brain (191-192)	0	0.41	0.00	[0.00 - 9.07]
Thyroid (193)	0	0.04	0.00	[0.00 - 0102]
Other endocrine glands (194)	0	0.02	0.00	[0.00 - 0213]
Ill defined (195,199)	1	0.73	1.37	[0.03 - 7.66]
Lymphatic & hematopoeitic tissue (200-208)	2	1.12	1.79	[0.22 - 6.47]
Non-Hodgkins lymphoma (200,202)	0	0.34	0.00	[0.00 - 10.9]
Hodgkins disease (201)	1	0.1	9.71	[0.24 - 54.1]
Multiple myeloma (203)	0	0.26	0.00	[0.00 - 14.0]
Leukemia & aleukemia (204-208)	1	0.41	2.43	[0.06 - 13.5]
Lymphoid leukemia (204)	1	0.1	10.50	[0.26 - 58.6]
Myeloid leukemia (205)	0	0.19	0.00	[0.00 - 19.9]
BENIGN NEOPLASMS (210-239)	1	0.23	4.36	[0.11 - 24.3]
DIS. OF ENDOCRINE SYSTEM & BLOOD (240-289)	0	0.72	0.00	[0.00 - 5.14]
MENTAL DISORDERS (290-319)	0	0.59	0.00	[0.00 - 6.24]
DIS. OF NERVOUS SYSTEM (320-389)	0	0.8	0.00	[0.00 - 4.60]
DIS. OF CIRCULATORY SYSTEM (390-459)	23	23.43	0.98	[0.62 - 1.47]
Hypertension (401-405)	2	0.56	3.59	[0.43 - 13.0]
Ischaemic heart disease (410-414)	14	15.61	0.90	[0.49 - 1.51]
Cerebrovascular (430-438)	5	4.02	1.24	[0.40 - 2.90]
Other heart diseases (4150,4152-4299)	0	1.65	0.00	[0.00 - 2.24]
DIS. OF RESPIRATORY SYSTEM (460-519)	7	3.04	2.30	[0.93 - 4.75]
Influenza (487)	0	0.08	0.00	[0.00 - 44.6]
Pneumonia (480-486)	3	1.46	2.05	[0.42 - 5.99]
Bronchitis,emphysema & asthma (490-493)	2	1.04	1.91	[0.23 - 6.92]
Pneumoconioses (500-508)	0	0.02	0.00	[0.00 - 0174]
DIS. OF DIGESTIVE SYSTEM (520-579)	2	1.36	1.47	[0.18 - 5.31]
Liver cirrhosis (571)	1	0.4	2.51	[0.06 - 14.0]
DIS. OF GENITO-URINARY SYSTEM (580-629)	0	0.62	0.00	[0.00 - 5.91]
Nephritis & nephrosis (580-589)	0	0.31	0.00	[0.00 - 12.1]
DIS. OF THE SKIN (680-739)	0	0.18	0.00	[0.00 - 20.4]
SYMPTOMS AND ILL-DEFINED CONDITIONS (780-799)	4	2.29	1.75	[0.48 - 4.47]
EXTERNAL CAUSES (E800-999)	1	4.5	0.22	[0.01 - 1.24]
Traffic accident (E810-819)	0	0.74	0.00	[0.00 - 4.96]
Suicide (E950-959)	0	1.2	0.00	[0.00 - 3.07]
Homicide (E960-969)	0	0.07	0.00	[0.00 - 49.6]
Other external causes (E800-807,E820-949,E970-999)	1	2.48	0.40	[0.01 - 2.25]
UNKNOWN CAUSES	0			
OTHER CAUSES	0			

Table 2.9.26
Mortality by cause

TOTAL COHORT
Ever employment in department 168 (pulp, other by-products)

Causes of death (ICD 9th.revision)	Observed	Expected	SMR	95% Confidence intervals
ALL CAUSES	129	145.72	0.89	[0.74 - 1.05]
ALL MALIGNANT NEOPLASMS (140-208)	29	31.73	0.91	[0.61 - 1.31]
Oral cavity & pharynx (140-149)	0	0.79	0.00	[0.00 - 4.66]
Oral cavity (141,143-145)	0	0.3	0.00	[0.00 - 12.2]
Nasopharynx (147)	0	0.04	0.00	[0.00 - 99.3]
Oesophagus (150)	2	0.78	2.57	[0.31 - 9.27]
Stomach (151)	3	1.75	1.71	[0.35 - 5.01]
Colon (153)	2	2.91	0.69	[0.08 - 2.48]
Rectum (154)	0	0.94	0.00	[0.00 - 3.94]
Liver (155)	1	0.47	2.15	[0.05 - 12.0]
Gallbladder (156)	0	0.24	0.00	[0.00 - 15.7]
Pancreas (157)	2	1.68	1.19	[0.14 - 4.30]
Peritoneum and other unspecified organs(158-159)	0	0.09	0.00	[0.00 - 42.2]
Nose & sinuses (160)	0	0.04	0.00	[0.00 - 97.0]
Larynx (161)	0	0.41	0.00	[0.00 - 9.05]
Lung (162)	7	9.65	0.73	[0.29 - 1.50]
Pleura (163)	0	0.04	0.00	[0.00 - 95.1]
Other respiratory organs (164-165)	0	0.02	0.00	[0.00 - 0171]
Bone (170)	0	0.1	0.00	[0.00 - 37.2]
Soft tissue (171)	0	0.12	0.00	[0.00 - 30.4]
Melanoma (172)	0	0.27	0.00	[0.00 - 13.7]
Other skin (173)	0	0.11	0.00	[0.00 - 35.1]
Breast (174-175)	0	0.06	0.00	[0.00 - 63.6]
Cervix uteri (180)	0	0.01	0.00	[0.00 - 0511]
Corpus uteri & uterus unspecified (179,181-182)	0	-	-	-
Ovary (183)	0	0.01	0.00	[0.00 - 0380]
Other female genital organs (184)	0	-	-	-
Prostate (185)	4	3.54	1.13	[0.31 - 2.89]
Testis (186)	0	0.05	0.00	[0.00 - 69.3]
Other male genital organs (187)	0	0.03	0.00	[0.00 - 0144]
Bladder (188)	1	1.06	0.94	[0.02 - 5.24]
Kidney (189)	0	0.75	0.00	[0.00 - 4.95]
Eye (190)	0	0.03	0.00	[0.00 - 0137]
Brain (191-192)	1	0.49	2.06	[0.05 - 11.5]
Thyroid (193)	0	0.06	0.00	[0.00 - 62.8]
Other endocrine glands (194)	0	0.02	0.00	[0.00 - 0165]
Ill defined (195,199)	1	1.37	0.73	[0.02 - 4.06]
Lymphatic & hematopoeitic tissue (200-208)	4	2.75	1.45	[0.40 - 3.72]
Non-Hodgkins lymphoma (200,202)	1	0.79	1.27	[0.03 - 7.09]
Hodgkins disease (201)	0	0.18	0.00	[0.00 - 20.1]
Multiple myeloma (203)	1	0.51	1.96	[0.05 - 10.9]
Leukemia & aleukemia (204-208)	2	1.13	1.77	[0.21 - 6.40]
Lymphoid leukemia (204)	0	0.28	0.00	[0.00 - 13.2]
Myeloid leukemia (205)	0	0.4	0.00	[0.00 - 9.28]
BENIGN NEOPLASMS (210-239)	0	0.4	0.00	[0.00 - 9.15]
DIS. OF ENDOCRINE SYSTEM & BLOOD (240-289)	2	3.15	0.64	[0.08 - 2.30]
MENTAL DISORDERS (290-319)	2	0.98	2.05	[0.25 - 7.39]
DIS. OF NERVOUS SYSTEM (320-389)	0	1.56	0.00	[0.00 - 2.36]
DIS. OF CIRCULATORY SYSTEM (390-459)	68	76.1	0.89	[0.69 - 1.13]
Hypertension (401-405)	1	2.13	0.47	[0.01 - 2.61]
Ischaemic heart disease (410-414)	46	49.7	0.93	[0.68 - 1.23]
Cerebrovascular (430-438)	11	11.45	0.96	[0.48 - 1.72]
Other heart diseases (4150,4152-4299)	5	7.38	0.68	[0.22 - 1.58]
DIS. OF RESPIRATORY SYSTEM (460-519)	9	11.24	0.80	[0.37 - 1.52]
Influenza (487)	0	0.18	0.00	[0.00 - 20.4]
Pneumonia (480-486)	1	4.33	0.23	[0.01 - 1.29]
Bronchitis,emphysema & asthma (490-493)	3	2.38	1.26	[0.26 - 3.69]
Pneumoconioses (500-508)	0	0.32	0.00	[0.00 - 11.7]
DIS. OF DIGESTIVE SYSTEM (520-579)	4	5.35	0.75	[0.20 - 1.91]
Liver cirrhosis (571)	4	1.68	2.38	[0.65 - 6.10]
DIS. OF GENITO-URINARY SYSTEM (580-629)	1	2.31	0.43	[0.01 - 2.41]
Nephritis & nephrosis (580-589)	0	1.08	0.00	[0.00 - 3.40]
DIS. OF THE SKIN (680-739)	0	0.42	0.00	[0.00 - 8.83]
SYMPTOMS AND ILL-DEFINED CONDITIONS (780-799)	2	2.44	0.82	[0.10 - 2.96]
EXTERNAL CAUSES (E800-999)	6	8.43	0.71	[0.26 - 1.55]
Traffic accident (E810-819)	2	1.95	1.03	[0.12 - 3.71]
Suicide (E950-959)	1	1.97	0.51	[0.01 - 2.83]
Homicide (E960-969)	0	0.56	0.00	[0.00 - 6.62]
Other external causes (E800-807,E820-949,E970-999)	3	3.96	0.76	[0.16 - 2.21]
UNKNOWN CAUSES	0			
OTHER CAUSES	6			

Table 2.9.27
Mortality by cause

TOTAL COHORT
Ever employment in department 201 (recycling, repulping)

Causes of death (ICD 9th.revision)	Observed	Expected	SMR	95% Confidence intervals
ALL CAUSES	76	94.04	0.81	[0.64 - 1.01]
ALL MALIGNANT NEOPLASMS (140-208)	21	23.69	0.89	[0.55 - 1.35]
Oral cavity & pharynx (140-149)	0	0.46	0.00	[0.00 - 7.97]
Oral cavity (141,143-145)	0	0.19	0.00	[0.00 - 19.5]
Nasopharynx (147)	0	0.04	0.00	[0.00 - 99.2]
Oesophagus (150)	1	0.7	1.42	[0.04 - 7.92]
Stomach (151)	4	2.43	1.65	[0.45 - 4.22]
Colon (153)	0	1.61	0.00	[0.00 - 2.29]
Rectum (154)	1	1.11	0.90	[0.02 - 5.01]
Liver (155)	0	0.63	0.00	[0.00 - 5.86]
Gallbladder (156)	1	0.18	5.59	[0.14 - 31.2]
Pancreas (157)	0	1.12	0.00	[0.00 - 3.29]
Peritoneum and other unspecified organs(158-159)	0	0.08	0.00	[0.00 - 43.9]
Nose & sinuses (160)	0	0.05	0.00	[0.00 - 67.8]
Larynx (161)	0	0.28	0.00	[0.00 - 13.2]
Lung (162)	7	7.38	0.95	[0.38 - 1.95]
Pleura (163)	0	0.09	0.00	[0.00 - 41.2]
Other respiratory organs (164-165)	0	0.04	0.00	[0.00 - 91.3]
Bone (170)	0	0.09	0.00	[0.00 - 41.7]
Soft tissue (171)	1	0.07	13.40	[0.34 - 74.8]
Melanoma (172)	0	0.25	0.00	[0.00 - 14.7]
Other skin (173)	0	0.07	0.00	[0.00 - 55.2]
Breast (174-175)	0	0.07	0.00	[0.00 - 53.0]
Cervix uteri (180)	0	0.03	0.00	[0.00 - 0134]
Corpus uteri & uterus unspecified (179,181-182)	0	0.01	0.00	[0.00 - 0627]
Ovary (183)	0	0.02	0.00	[0.00 - 0200]
Other female genital organs (184)	0	-	-	-
Prostate (185)	0	1.73	0.00	[0.00 - 2.13]
Testis (186)	1	0.09	10.50	[0.26 - 58.7]
Other male genital organs (187)	0	0.03	0.00	[0.00 - 0122]
Bladder (188)	1	0.88	1.13	[0.03 - 6.31]
Kidney (189)	0	0.56	0.00	[0.00 - 6.61]
Eye (190)	0	0.03	0.00	[0.00 - 0131]
Brain (191-192)	1	0.55	1.82	[0.05 - 10.1]
Thyroid (193)	0	0.05	0.00	[0.00 - 76.5]
Other endocrine glands (194)	0	0.02	0.00	[0.00 - 0153]
Ill defined (195,199)	0	0.95	0.00	[0.00 - 3.89]
Lymphatic & hematopoeitic tissue (200-208)	2	1.67	1.20	[0.14 - 4.32]
Non-Hodgkins lymphoma (200,202)	0	0.49	0.00	[0.00 - 7.57]
Hodgkins disease (201)	1	0.14	7.03	[0.18 - 39.2]
Multiple myeloma (203)	1	0.3	3.30	[0.08 - 18.4]
Leukemia & aleukemia (204-208)	0	0.7	0.00	[0.00 - 5.26]
Lymphoid leukemia (204)	0	0.18	0.00	[0.00 - 20.2]
Myeloid leukemia (205)	0	0.3	0.00	[0.00 - 12.3]
BENIGN NEOPLASMS (210-239)	1	0.37	2.67	[0.07 - 14.9]
DIS. OF ENDOCRINE SYSTEM & BLOOD (240-289)	1	1.35	0.74	[0.02 - 4.12]
MENTAL DISORDERS (290-319)	2	0.76	2.63	[0.32 - 9.50]
DIS. OF NERVOUS SYSTEM (320-389)	0	1.16	0.00	[0.00 - 3.19]
DIS. OF CIRCULATORY SYSTEM (390-459)	29	42.59	0.68	[0.46 - 0.98]
Hypertension (401-405)	0	0.88	0.00	[0.00 - 4.21]
Ischaemic heart disease (410-414)	19	26.74	0.71	[0.43 - 1.11]
Cerebrovascular (430-438)	7	8.33	0.84	[0.34 - 1.73]
Other heart diseases (4150,4152-4299)	3	3.3	0.91	[0.19 - 2.66]
DIS. OF RESPIRATORY SYSTEM (460-519)	8	7.58	1.05	[0.46 - 2.08]
Influenza (487)	0	0.17	0.00	[0.00 - 22.3]
Pneumonia (480-486)	3	2.66	1.13	[0.23 - 3.30]
Bronchitis,emphysema & asthma (490-493)	4	3.22	1.24	[0.34 - 3.18]
Pneumoconioses (500-508)	0	0.15	0.00	[0.00 - 25.3]
DIS. OF DIGESTIVE SYSTEM (520-579)	1	3.3	0.30	[0.01 - 1.69]
Liver cirrhosis (571)	1	1.29	0.78	[0.02 - 4.33]
DIS. OF GENITO-URINARY SYSTEM (580-629)	2	1.17	1.71	[0.21 - 6.17]
Nephritis & nephrosis (580-589)	1	0.58	1.72	[0.04 - 9.57]
DIS. OF THE SKIN (680-739)	0	0.26	0.00	[0.00 - 14.0]
SYMPTOMS AND ILL-DEFINED CONDITIONS (780-799)	1	2.36	0.42	[0.01 - 2.36]
EXTERNAL CAUSES (E800-999)	8	8.41	0.95	[0.41 - 1.87]
Traffic accident (E810-819)	1	1.64	0.61	[0.02 - 3.40]
Suicide (E950-959)	2	2.69	0.74	[0.09 - 2.68]
Homicide (E960-969)	0	0.14	0.00	[0.00 - 25.5]
Other external causes (E800-807,E820-949,E970-999)	5	3.94	1.27	[0.41 - 2.96]
UNKNOWN CAUSES	1			
OTHER CAUSES	1			

Table 2.9.28
Mortality by cause

TOTAL COHORT
Ever employment in department 301 (stock preparation)

Causes of death (ICD 9th.revision)	Observed	Expected	SMR	95% Confidence intervals
ALL CAUSES	1028	1125.74	0.91	[0.86 - 0.97]
ALL MALIGNANT NEOPLASMS (140-208)	240	286.3	0.84	[0.74 - 0.95]
Oral cavity & pharynx (140-149)	2	6.52	0.31	[0.04 - 1.11]
Oral cavity (141,143-145)	1	2.68	0.37	[0.01 - 2.08]
Nasopharynx (147)	0	0.47	0.00	[0.00 - 7.91]
Oesophagus (150)	11	9.76	1.13	[0.56 - 2.02]
Stomach (151)	19	25.11	0.76	[0.46 - 1.18]
Colon (153)	8	20.44	0.39	[0.17 - 0.77]
Rectum (154)	8	12.98	0.62	[0.27 - 1.21]
Liver (155)	8	5.8	1.38	[0.60 - 2.72]
Gallbladder (156)	2	2.09	0.96	[0.12 - 3.45]
Pancreas (157)	15	13.14	1.14	[0.64 - 1.88]
Peritoneum and other unspecified organs(158-159)	2	1.84	1.09	[0.13 - 3.92]
Nose & sinuses (160)	0	0.81	0.00	[0.00 - 4.55]
Larynx (161)	6	3.96	1.51	[0.56 - 3.30]
Lung (162)	72	86.91	0.83	[0.65 - 1.04]
Pleura (163)	1	1.12	0.89	[0.02 - 4.97]
Other respiratory organs (164-165)	1	0.6	1.66	[0.04 - 9.22]
Bone (170)	1	1.07	0.93	[0.02 - 5.19]
Soft tissue (171)	0	0.9	0.00	[0.00 - 4.12]
Melanoma (172)	4	2.66	1.50	[0.41 - 3.84]
Other skin (173)	2	0.83	2.40	[0.29 - 8.66]
Breast (174-175)	4	5.62	0.71	[0.19 - 1.82]
Cervix uteri (180)	4	1.21	3.31	[0.90 - 8.46]
Corpus uteri & uterus unspecified (179,181-182)	0	0.75	0.00	[0.00 - 4.91]
Ovary (183)	0	1.84	0.00	[0.00 - 2.00]
Other female genital organs (184)	0	0.18	0.00	[0.00 - 20.3]
Prostate (185)	15	18.59	0.81	[0.45 - 1.33]
Testis (186)	1	1.07	0.93	[0.02 - 5.20]
Other male genital organs (187)	0	0.37	0.00	[0.00 - 9.86]
Bladder (188)	6	10.47	0.57	[0.21 - 1.25]
Kidney (189)	4	6.99	0.57	[0.16 - 1.46]
Eye (190)	0	0.35	0.00	[0.00 - 10.6]
Brain (191-192)	3	6.65	0.45	[0.09 - 1.32]
Thyroid (193)	1	0.68	1.48	[0.04 - 8.25]
Other endocrine glands (194)	0	0.32	0.00	[0.00 - 11.7]
Ill defined (195,199)	14	12.18	1.15	[0.63 - 1.93]
Lymphatic & hematopoeitic tissue (200-208)	23	19.4	1.19	[0.75 - 1.78]
Non-Hodgkins lymphoma (200,202)	6	5.98	1.00	[0.37 - 2.18]
Hodgkins disease (201)	2	1.8	1.11	[0.13 - 4.02]
Multiple myeloma (203)	6	3.53	1.70	[0.62 - 3.70]
Leukemia & aleukemia (204-208)	9	7.98	1.13	[0.52 - 2.14]
Lymphoid leukemia (204)	1	2.16	0.46	[0.01 - 2.58]
Myeloid leukemia (205)	6	3.27	1.83	[0.67 - 3.99]
BENIGN NEOPLASMS (210-239)	4	4.53	0.88	[0.24 - 2.26]
DIS. OF ENDOCRINE SYSTEM & BLOOD (240-289)	13	17.87	0.73	[0.39 - 1.24]
MENTAL DISORDERS (290-319)	16	9.81	1.63	[0.93 - 2.65]
DIS. OF NERVOUS SYSTEM (320-389)	9	13.64	0.66	[0.30 - 1.25]
DIS. OF CIRCULATORY SYSTEM (390-459)	503	516.3	0.97	[0.89 - 1.06]
Hypertension (401-405)	8	9.83	0.81	[0.35 - 1.60]
Ischaemic heart disease (410-414)	316	327.11	0.97	[0.86 - 1.08]
Cerebrovascular (430-438)	110	103.59	1.06	[0.87 - 1.28]
Other heart diseases (4150,4152-4299)	27	37.07	0.73	[0.48 - 1.06]
DIS. OF RESPIRATORY SYSTEM (460-519)	75	88.71	0.85	[0.66 - 1.06]
Influenza (487)	0	2.48	0.00	[0.00 - 1.49]
Pneumonia (480-486)	25	32.9	0.76	[0.49 - 1.12]
Bronchitis,emphysema & asthma (490-493)	35	32.67	1.07	[0.75 - 1.49]
Pneumoconioses (500-508)	1	1.69	0.59	[0.01 - 3.30]
DIS. OF DIGESTIVE SYSTEM (520-579)	38	43.21	0.88	[0.62 - 1.21]
Liver cirrhosis (571)	17	16.6	1.02	[0.60 - 1.64]
DIS. OF GENITO-URINARY SYSTEM (580-629)	13	15.61	0.83	[0.44 - 1.42]
Nephritis & nephrosis (580-589)	5	6.21	0.81	[0.26 - 1.88]
DIS. OF THE SKIN (680-739)	0	3.45	0.00	[0.00 - 1.07]
SYMPTOMS AND ILL-DEFINED CONDITIONS (780-799)	6	20.97	0.29	[0.11 - 0.62]
EXTERNAL CAUSES (E800-999)	90	93.82	0.96	[0.77 - 1.18]
Traffic accident (E810-819)	18	19.82	0.91	[0.54 - 1.43]
Suicide (E950-959)	29	31.02	0.93	[0.63 - 1.34]
Homicide (E960-969)	1	2.19	0.46	[0.01 - 2.54]
Other external causes (E800-807,E820-949,E970-999)	42	40.79	1.03	[0.74 - 1.39]
UNKNOWN CAUSES	6			
OTHER CAUSES	15			

Table 2.9.29
Mortality by cause

TOTAL COHORT

Ever employment in department 302 (newsprint paper machine)

Causes of death (ICD 9th.revision)	Observed	Expected	SMR	95% Confidence intervals
ALL CAUSES	191	207.99	0.92	[0.79 - 1.06]
ALL MALIGNANT NEOPLASMS (140-208)	42	50.15	0.84	[0.60 - 1.13]
Oral cavity & pharynx (140-149)	0	1.07	0.00	[0.00 - 3.44]
Oral cavity (141,143-145)	0	0.49	0.00	[0.00 - 7.54]
Nasopharynx (147)	0	0.1	0.00	[0.00 - 36.8]
Oesophagus (150)	1	1.11	0.90	[0.02 - 5.00]
Stomach (151)	5	5.3	0.94	[0.31 - 2.20]
Colon (153)	3	3.6	0.83	[0.17 - 2.44]
Rectum (154)	2	2.57	0.78	[0.09 - 2.81]
Liver (155)	0	1.1	0.00	[0.00 - 3.35]
Gallbladder (156)	0	0.38	0.00	[0.00 - 9.64]
Pancreas (157)	2	2.7	0.74	[0.09 - 2.68]
Peritoneum and other unspecified organs(158-159)	0	0.06	0.00	[0.00 - 59.6]
Nose & sinuses (160)	1	0.16	6.12	[0.15 - 34.1]
Larynx (161)	0	0.4	0.00	[0.00 - 9.28]
Lung (162)	11	10.86	1.01	[0.51 - 1.81]
Pleura (163)	1	0.26	3.83	[0.10 - 21.3]
Other respiratory organs (164-165)	0	0.1	0.00	[0.00 - 35.4]
Bone (170)	0	0.2	0.00	[0.00 - 18.8]
Soft tissue (171)	0	0.28	0.00	[0.00 - 13.2]
Melanoma (172)	2	1.22	1.63	[0.20 - 5.90]
Other skin (173)	1	0.12	8.31	[0.21 - 46.3]
Breast (174-175)	0	0.16	0.00	[0.00 - 23.6]
Cervix uteri (180)	0	0.03	0.00	[0.00 - 0.113]
Corpus uteri & uterus unspecified (179,181-182)	0	0.01	0.00	[0.00 - 0.512]
Ovary (183)	0	0.04	0.00	[0.00 - 92.1]
Other female genital organs (184)	0	-	-	-
Prostate (185)	3	4.68	0.64	[0.13 - 1.87]
Testis (186)	1	0.44	2.25	[0.06 - 12.5]
Other male genital organs (187)	0	0.07	0.00	[0.00 - 54.6]
Bladder (188)	1	1.7	0.59	[0.01 - 3.27]
Kidney (189)	0	1.59	0.00	[0.00 - 2.33]
Eye (190)	0	0.09	0.00	[0.00 - 39.7]
Brain (191-192)	3	1.91	1.57	[0.32 - 4.59]
Thyroid (193)	0	0.14	0.00	[0.00 - 25.9]
Other endocrine glands (194)	0	0.09	0.00	[0.00 - 42.3]
Ill defined (195,199)	1	2.68	0.37	[0.01 - 2.08]
Lymphatic & hematopoeitic tissue (200-208)	2	4.74	0.42	[0.05 - 1.53]
Non-Hodgkins lymphoma (200,202)	0	1.47	0.00	[0.00 - 2.51]
Hodgkins disease (201)	1	0.45	2.22	[0.06 - 12.4]
Multiple myeloma (203)	1	0.94	1.06	[0.03 - 5.91]
Leukemia & aleukemia (204-208)	0	1.88	0.00	[0.00 - 1.96]
Lymphoid leukemia (204)	0	0.45	0.00	[0.00 - 8.22]
Myeloid leukemia (205)	0	0.92	0.00	[0.00 - 4.01]
BENIGN NEOPLASMS (210-239)	1	0.97	1.03	[0.03 - 5.75]
DIS. OF ENDOCRINE SYSTEM & BLOOD (240-289)	4	3.51	1.14	[0.31 - 2.92]
MENTAL DISORDERS (290-319)	1	2.73	0.37	[0.01 - 2.04]
DIS. OF NERVOUS SYSTEM (320-389)	4	3.2	1.25	[0.34 - 3.20]
DIS. OF CIRCULATORY SYSTEM (390-459)	83	87.94	0.94	[0.75 - 1.17]
Hypertension (401-405)	2	1.98	1.01	[0.12 - 3.65]
Ischaemic heart disease (410-414)	56	57.28	0.98	[0.74 - 1.27]
Cerebrovascular (430-438)	12	15.85	0.76	[0.39 - 1.32]
Other heart diseases (4150,4152-4299)	8	7.01	1.14	[0.49 - 2.25]
DIS. OF RESPIRATORY SYSTEM (460-519)	10	11.71	0.85	[0.41 - 1.57]
Influenza (487)	0	0.31	0.00	[0.00 - 12.0]
Pneumonia (480-486)	4	5.34	0.75	[0.20 - 1.92]
Bronchitis,emphysema & asthma (490-493)	2	4.44	0.45	[0.05 - 1.63]
Pneumoconioses (500-508)	0	0.12	0.00	[0.00 - 31.9]
DIS. OF DIGESTIVE SYSTEM (520-579)	3	6.66	0.45	[0.09 - 1.32]
Liver cirrhosis (571)	1	2.85	0.35	[0.01 - 1.95]
DIS. OF GENITO-URINARY SYSTEM (580-629)	2	2.45	0.82	[0.10 - 2.95]
Nephritis & nephrosis (580-589)	1	1.08	0.92	[0.02 - 5.15]
DIS. OF THE SKIN (680-739)	2	0.64	3.12	[0.38 - 11.3]
SYMPTOMS AND ILL-DEFINED CONDITIONS (780-799)	9	8.79	1.02	[0.47 - 1.94]
EXTERNAL CAUSES (E800-999)	27	26.76	1.01	[0.66 - 1.47]
Traffic accident (E810-819)	2	5.16	0.39	[0.05 - 1.40]
Suicide (E950-959)	11	8.72	1.26	[0.63 - 2.26]
Homicide (E960-969)	3	0.52	5.79	[1.19 - 16.9]
Other external causes (E800-807,E820-949,E970-999)	11	12.35	0.89	[0.44 - 1.59]
UNKNOWN CAUSES	0			
OTHER CAUSES	3			

Table 2.9.30
Mortality by cause

TOTAL COHORT
Ever employment in department 303 (fine paper machine)

Causes of death (ICD 9th.revision)	Observed	Expected	SMR	95% Confidence intervals
ALL CAUSES	964	989.59	0.97	[0.91 - 1.04]
ALL MALIGNANT NEOPLASMS (140-208)	241	246.91	0.98	[0.86 - 1.11]
Oral cavity & pharynx (140-149)	5	8.05	0.62	[0.20 - 1.45]
Oral cavity (141,143-145)	1	3.27	0.31	[0.01 - 1.70]
Nasopharynx (147)	0	0.45	0.00	[0.00 - 8.17]
Oesophagus (150)	3	7.18	0.42	[0.09 - 1.22]
Stomach (151)	25	22.58	1.11	[0.72 - 1.63]
Colon (153)	15	17	0.88	[0.49 - 1.46]
Rectum (154)	14	11.85	1.18	[0.65 - 1.98]
Liver (155)	4	4.35	0.92	[0.25 - 2.36]
Gallbladder (156)	1	1.63	0.62	[0.02 - 3.43]
Pancreas (157)	16	12.66	1.26	[0.72 - 2.05]
Peritoneum and other unspecified organs(158-159)	1	1.23	0.82	[0.02 - 4.55]
Nose & sinuses (160)	2	1.43	1.40	[0.17 - 5.07]
Larynx (161)	2	4.38	0.46	[0.06 - 1.65]
Lung (162)	64	55.25	1.16	[0.89 - 1.48]
Pleura (163)	0	1.28	0.00	[0.00 - 2.89]
Other respiratory organs (164-165)	0	0.66	0.00	[0.00 - 5.62]
Bone (170)	1	1.09	0.92	[0.02 - 5.13]
Soft tissue (171)	1	1.13	0.88	[0.02 - 4.92]
Melanoma (172)	5	4.42	1.13	[0.37 - 2.64]
Other skin (173)	1	0.63	1.58	[0.04 - 8.78]
Breast (174-175)	1	1.76	0.57	[0.01 - 3.16]
Cervix uteri (180)	0	0.29	0.00	[0.00 - 12.6]
Corpus uteri & uterus unspecified (179,181-182)	0	0.24	0.00	[0.00 - 15.1]
Ovary (183)	0	0.56	0.00	[0.00 - 6.59]
Other female genital organs (184)	0	0.06	0.00	[0.00 - 61.5]
Prostate (185)	20	22.46	0.89	[0.54 - 1.38]
Testis (186)	4	1.71	2.34	[0.64 - 6.00]
Other male genital organs (187)	0	0.33	0.00	[0.00 - 11.2]
Bladder (188)	14	8.99	1.56	[0.85 - 2.61]
Kidney (189)	3	7.5	0.40	[0.08 - 1.17]
Eye (190)	0	0.41	0.00	[0.00 - 8.97]
Brain (191-192)	7	7.91	0.88	[0.36 - 1.82]
Thyroid (193)	0	0.72	0.00	[0.00 - 5.14]
Other endocrine glands (194)	0	0.38	0.00	[0.00 - 9.65]
Ill defined (195,199)	14	13.84	1.01	[0.55 - 1.70]
Lymphatic & hematopoeitic tissue (200-208)	14	21.28	0.66	[0.36 - 1.10]
Non-Hodgkins lymphoma (200,202)	3	6.27	0.48	[0.10 - 1.40]
Hodgkins disease (201)	3	2.19	1.37	[0.28 - 4.00]
Multiple myeloma (203)	3	4.3	0.70	[0.14 - 2.04]
Leukemia & aleukemia (204-208)	5	8.55	0.59	[0.19 - 1.37]
Lymphoid leukemia (204)	2	2.07	0.97	[0.12 - 3.49]
Myeloid leukemia (205)	2	3.64	0.55	[0.07 - 1.98]
BENIGN NEOPLASMS (210-239)	4	5.2	0.77	[0.21 - 1.97]
DIS. OF ENDOCRINE SYSTEM & BLOOD (240-289)	12	16.35	0.73	[0.38 - 1.28]
MENTAL DISORDERS (290-319)	15	12.06	1.24	[0.70 - 2.05]
DIS. OF NERVOUS SYSTEM (320-389)	11	14.8	0.74	[0.37 - 1.33]
DIS. OF CIRCULATORY SYSTEM (390-459)	420	417.66	1.01	[0.91 - 1.11]
Hypertension (401-405)	5	9.49	0.53	[0.17 - 1.23]
Ischaemic heart disease (410-414)	286	265.87	1.08	[0.95 - 1.21]
Cerebrovascular (430-438)	72	75.79	0.95	[0.74 - 1.20]
Other heart diseases (4150,4152-4299)	24	35.3	0.68	[0.44 - 1.01]
DIS. OF RESPIRATORY SYSTEM (460-519)	50	56.74	0.88	[0.65 - 1.16]
Influenza (487)	0	1.9	0.00	[0.00 - 1.94]
Pneumonia (480-486)	21	23.59	0.89	[0.55 - 1.36]
Bronchitis,emphysema & asthma (490-493)	23	21.26	1.08	[0.69 - 1.62]
Pneumoconioses (500-508)	0	0.96	0.00	[0.00 - 3.83]
DIS. OF DIGESTIVE SYSTEM (520-579)	43	38.34	1.12	[0.81 - 1.51]
Liver cirrhosis (571)	16	17.21	0.93	[0.53 - 1.51]
DIS. OF GENITO-URINARY SYSTEM (580-629)	10	12.78	0.78	[0.38 - 1.44]
Nephritis & nephrosis (580-589)	3	5.01	0.60	[0.12 - 1.75]
DIS. OF THE SKIN (680-739)	5	3.24	1.54	[0.50 - 3.60]
SYMPTOMS AND ILL-DEFINED CONDITIONS (780-799)	26	41.17	0.63	[0.41 - 0.93]
EXTERNAL CAUSES (E800-999)	105	112.47	0.93	[0.76 - 1.13]
Traffic accident (E810-819)	23	23.13	0.99	[0.63 - 1.49]
Suicide (E950-959)	27	35.39	0.76	[0.50 - 1.11]
Homicide (E960-969)	5	2.05	2.44	[0.79 - 5.69]
Other external causes (E800-807,E820-949,E970-999)	50	51.9	0.96	[0.72 - 1.27]
UNKNOWN CAUSES	7			
OTHER CAUSES	15			

**Table 2.9.31
Mortality by cause**

TOTAL COHORT
Ever employment in department 305 (paperboard machine)

Causes of death (ICD 9th.revision)	Observed	Expected	SMR	95% Confidence intervals
ALL CAUSES	487	627.62	0.78	[0.71 - 0.85]
ALL MALIGNANT NEOPLASMS (140-208)	112	144.9	0.77	[0.64 - 0.93]
Oral cavity & pharynx (140-149)	0	2.54	0.00	[0.00 - 1.45]
Oral cavity (141,143-145)	0	1.07	0.00	[0.00 - 3.44]
Nasopharynx (147)	0	0.26	0.00	[0.00 - 14.0]
Oesophagus (150)	3	4.31	0.70	[0.14 - 2.03]
Stomach (151)	9	12.44	0.72	[0.33 - 1.37]
Colon (153)	4	8.91	0.45	[0.12 - 1.15]
Rectum (154)	4	5.62	0.71	[0.19 - 1.82]
Liver (155)	2	2.39	0.84	[0.10 - 3.03]
Gallbladder (156)	0	1.36	0.00	[0.00 - 2.71]
Pancreas (157)	6	6.99	0.86	[0.32 - 1.87]
Peritoneum and other unspecified organs(158-159)	1	0.91	1.10	[0.03 - 6.14]
Nose & sinuses (160)	0	0.24	0.00	[0.00 - 15.3]
Larynx (161)	2	1.26	1.59	[0.19 - 5.73]
Lung (162)	30	44.39	0.68	[0.46 - 0.96]
Pleura (163)	0	0.64	0.00	[0.00 - 5.74]
Other respiratory organs (164-165)	0	0.32	0.00	[0.00 - 11.6]
Bone (170)	0	0.71	0.00	[0.00 - 5.22]
Soft tissue (171)	0	0.69	0.00	[0.00 - 5.35]
Melanoma (172)	3	2.04	1.47	[0.30 - 4.30]
Other skin (173)	0	0.38	0.00	[0.00 - 9.61]
Breast (174-175)	6	4.05	1.48	[0.54 - 3.22]
Cervix uteri (180)	1	0.83	1.21	[0.03 - 6.73]
Corpus uteri & uterus unspecified (179,181-182)	1	0.51	1.97	[0.05 - 11.0]
Ovary (183)	0	1.53	0.00	[0.00 - 2.41]
Other female genital organs (184)	0	0.12	0.00	[0.00 - 31.2]
Prostate (185)	8	8.39	0.95	[0.41 - 1.88]
Testis (186)	1	0.78	1.28	[0.03 - 7.14]
Other male genital organs (187)	0	0.19	0.00	[0.00 - 19.6]
Bladder (188)	4	4.15	0.96	[0.26 - 2.47]
Kidney (189)	3	4.03	0.74	[0.15 - 2.17]
Eye (190)	0	0.21	0.00	[0.00 - 17.7]
Brain (191-192)	3	4.88	0.61	[0.13 - 1.80]
Thyroid (193)	0	0.38	0.00	[0.00 - 9.66]
Other endocrine glands (194)	0	0.22	0.00	[0.00 - 16.6]
Ill defined (195,199)	6	5.38	1.12	[0.41 - 2.43]
Lymphatic & hematopoeitic tissue (200-208)	14	11.75	1.19	[0.65 - 2.00]
Non-Hodgkins lymphoma (200,202)	4	3.83	1.04	[0.28 - 2.67]
Hodgkins disease (201)	2	1.42	1.40	[0.17 - 5.07]
Multiple myeloma (203)	4	1.9	2.10	[0.57 - 5.38]
Leukemia & aleukemia (204-208)	4	4.53	0.88	[0.24 - 2.26]
Lymphoid leukemia (204)	0	1.2	0.00	[0.00 - 3.07]
Myeloid leukemia (205)	3	2.17	1.38	[0.28 - 4.03]
BENIGN NEOPLASMS (210-239)	0	2.02	0.00	[0.00 - 1.83]
DIS. OF ENDOCRINE SYSTEM & BLOOD (240-289)	4	9.54	0.42	[0.11 - 1.07]
MENTAL DISORDERS (290-319)	1	7.6	0.13	[0.00 - 0.73]
DIS. OF NERVOUS SYSTEM (320-389)	7	9.23	0.76	[0.30 - 1.56]
DIS. OF CIRCULATORY SYSTEM (390-459)	239	274.81	0.87	[0.76 - 0.99]
Hypertension (401-405)	1	4.51	0.22	[0.01 - 1.23]
Ischaemic heart disease (410-414)	164	181.22	0.90	[0.77 - 1.05]
Cerebrovascular (430-438)	39	51.89	0.75	[0.53 - 1.03]
Other heart diseases (4150,4152-4299)	17	18.05	0.94	[0.55 - 1.51]
DIS. OF RESPIRATORY SYSTEM (460-519)	37	45.16	0.82	[0.58 - 1.13]
Influenza (487)	0	1.08	0.00	[0.00 - 3.42]
Pneumonia (480-486)	14	18.71	0.75	[0.41 - 1.26]
Bronchitis,empysema & asthma (490-493)	15	15.24	0.98	[0.55 - 1.62]
Pneumoconioses (500-508)	0	0.69	0.00	[0.00 - 5.36]
DIS. OF DIGESTIVE SYSTEM (520-579)	15	22.42	0.67	[0.37 - 1.10]
Liver cirrhosis (571)	4	8.56	0.47	[0.13 - 1.20]
DIS. OF GENITO-URINARY SYSTEM (580-629)	4	6.86	0.58	[0.16 - 1.49]
Nephritis & nephrosis (580-589)	0	3.53	0.00	[0.00 - 1.04]
DIS. OF THE SKIN (680-739)	0	2.17	0.00	[0.00 - 1.70]
SYMPTOMS AND ILL-DEFINED CONDITIONS (780-799)	7	5.07	1.38	[0.55 - 2.84]
EXTERNAL CAUSES (E800-999)	58	89.93	0.64	[0.49 - 0.83]
Traffic accident (E810-819)	5	17.13	0.29	[0.09 - 0.68]
Suicide (E950-959)	16	29.43	0.54	[0.31 - 0.88]
Homicide (E960-969)	1	3.14	0.32	[0.01 - 1.78]
Other external causes (E800-807,E820-949,E970-999)	36	40.24	0.89	[0.63 - 1.24]
UNKNOWN CAUSES	1			
OTHER CAUSES	2			

Table 2.9.32
Mortality by cause

TOTAL COHORT
Ever employment in department 306 (paper/board machines)

Causes of death (ICD 9th.revision)	Observed	Expected	SMR	95% Confidence intervals
ALL CAUSES	147	198.08	0.74	[0.63 - 0.87]
ALL MALIGNANT NEOPLASMS (140-208)	33	46.3	0.71	[0.49 - 1.00]
Oral cavity & pharynx (140-149)	0	1.2	0.00	[0.00 - 3.07]
Oral cavity (141,143-145)	0	0.44	0.00	[0.00 - 8.36]
Nasopharynx (147)	0	0.07	0.00	[0.00 - 52.9]
Oesophagus (150)	0	1.22	0.00	[0.00 - 3.01]
Stomach (151)	1	2.66	0.38	[0.01 - 2.10]
Colon (153)	5	3.62	1.38	[0.45 - 3.23]
Rectum (154)	0	1.64	0.00	[0.00 - 2.26]
Liver (155)	1	0.92	1.09	[0.03 - 6.05]
Gallbladder (156)	1	0.33	3.02	[0.08 - 16.8]
Pancreas (157)	1	2.29	0.44	[0.01 - 2.43]
Peritoneum and other unspecified organs(158-159)	0	0.19	0.00	[0.00 - 19.5]
Nose & sinuses (160)	0	0.07	0.00	[0.00 - 54.8]
Larynx (161)	0	0.79	0.00	[0.00 - 4.70]
Lung (162)	11	14.37	0.77	[0.38 - 1.37]
Pleura (163)	0	0.12	0.00	[0.00 - 30.0]
Other respiratory organs (164-165)	0	0.1	0.00	[0.00 - 38.7]
Bone (170)	0	0.21	0.00	[0.00 - 17.6]
Soft tissue (171)	0	0.16	0.00	[0.00 - 22.8]
Melanoma (172)	0	0.51	0.00	[0.00 - 7.21]
Other skin (173)	0	0.15	0.00	[0.00 - 24.7]
Breast (174-175)	0	0.19	0.00	[0.00 - 19.7]
Cervix uteri (180)	0	0.1	0.00	[0.00 - 36.7]
Corpus uteri & uterus unspecified (179,181-182)	0	0.03	0.00	[0.00 - 0138]
Ovary (183)	0	0.05	0.00	[0.00 - 76.3]
Other female genital organs (184)	0	-	-	-
Prostate (185)	0	3.85	0.00	[0.00 - 0.96]
Testis (186)	0	0.18	0.00	[0.00 - 20.4]
Other male genital organs (187)	0	0.05	0.00	[0.00 - 76.2]
Bladder (188)	4	1.64	2.43	[0.66 - 6.23]
Kidney (189)	1	1.12	0.89	[0.02 - 4.97]
Eye (190)	0	0.04	0.00	[0.00 - 89.1]
Brain (191-192)	1	1.13	0.88	[0.02 - 4.92]
Thyroid (193)	0	0.09	0.00	[0.00 - 41.5]
Other endocrine glands (194)	0	0.05	0.00	[0.00 - 77.0]
Ill defined (195,199)	5	1.87	2.67	[0.87 - 6.23]
Lymphatic & hematopoietic tissue (200-208)	2	3.89	0.51	[0.06 - 1.86]
Non-Hodgkins lymphoma (200,202)	1	1.04	0.96	[0.02 - 5.37]
Hodgkins disease (201)	0	0.35	0.00	[0.00 - 10.6]
Multiple myeloma (203)	0	0.61	0.00	[0.00 - 6.07]
Leukemia & aleukemia (204-208)	1	1.67	0.60	[0.01 - 3.34]
Lymphoid leukemia (204)	0	0.43	0.00	[0.00 - 8.50]
Myeloid leukemia (205)	0	0.61	0.00	[0.00 - 6.03]
BENIGN NEOPLASMS (210-239)	1	0.71	1.40	[0.03 - 7.80]
DIS. OF ENDOCRINE SYSTEM & BLOOD (240-289)	1	4.11	0.24	[0.01 - 1.35]
MENTAL DISORDERS (290-319)	1	1.59	0.63	[0.02 - 3.51]
DIS. OF NERVOUS SYSTEM (320-389)	1	2.35	0.43	[0.01 - 2.37]
DIS. OF CIRCULATORY SYSTEM (390-459)	79	88.75	0.89	[0.70 - 1.11]
Hypertension (401-405)	3	2.14	1.40	[0.29 - 4.10]
Ischaemic heart disease (410-414)	51	57.02	0.89	[0.67 - 1.18]
Cerebrovascular (430-438)	5	12.9	0.39	[0.13 - 0.90]
Other heart diseases (4150,4152-4299)	7	9.26	0.76	[0.30 - 1.56]
DIS. OF RESPIRATORY SYSTEM (460-519)	2	13.23	0.15	[0.02 - 0.55]
Influenza (487)	0	0.25	0.00	[0.00 - 14.9]
Pneumonia (480-486)	1	4.34	0.23	[0.01 - 1.29]
Bronchitis,emphysema & asthma (490-493)	0	4.65	0.00	[0.00 - 0.79]
Pneumoconioses (500-508)	0	0.33	0.00	[0.00 - 11.1]
DIS. OF DIGESTIVE SYSTEM (520-579)	5	8.33	0.60	[0.19 - 1.40]
Liver cirrhosis (571)	3	3.67	0.82	[0.17 - 2.39]
DIS. OF GENITO-URINARY SYSTEM (580-629)	1	2.72	0.37	[0.01 - 2.05]
Nephritis & nephrosis (580-589)	0	1.25	0.00	[0.00 - 2.96]
DIS. OF THE SKIN (680-739)	0	0.52	0.00	[0.00 - 7.09]
SYMPTOMS AND ILL-DEFINED CONDITIONS (780-799)	4	5.24	0.76	[0.21 - 1.95]
EXTERNAL CAUSES (E800-999)	14	21.92	0.64	[0.35 - 1.07]
Traffic accident (E810-819)	4	5.03	0.80	[0.22 - 2.04]
Suicide (E950-959)	3	5.83	0.51	[0.11 - 1.50]
Homicide (E960-969)	0	1.16	0.00	[0.00 - 3.19]
Other external causes (E800-807,E820-949,E970-999)	7	9.91	0.71	[0.28 - 1.46]
UNKNOWN CAUSES	2			
OTHER CAUSES	3			

Table 2.9.33
Mortality by cause

TOTAL COHORT

Ever employment in department 307 (on-machine coating of paper)

Causes of death (ICD 9th.revision)	Observed	Expected	SMR	95% Confidence intervals
ALL CAUSES	432	482.01	0.90	[0.81 - 0.98]
ALL MALIGNANT NEOPLASMS (140-208)	128	131.05	0.98	[0.81 - 1.16]
Oral cavity & pharynx (140-149)	5	4.21	1.19	[0.39 - 2.77]
Oral cavity (141,143-145)	3	1.72	1.75	[0.36 - 5.10]
Nasopharynx (147)	0	0.26	0.00	[0.00 - 14.3]
Oesophagus (150)	1	4.22	0.24	[0.01 - 1.32]
Stomach (151)	11	9.32	1.18	[0.59 - 2.11]
Colon (153)	13	9.12	1.43	[0.76 - 2.44]
Rectum (154)	8	6.13	1.31	[0.56 - 2.57]
Liver (155)	2	2.91	0.69	[0.08 - 2.48]
Gallbladder (156)	1	1.02	0.98	[0.02 - 5.44]
Pancreas (157)	6	6.36	0.94	[0.35 - 2.05]
Peritoneum and other unspecified organs(158-159)	1	0.94	1.07	[0.03 - 5.95]
Nose & sinuses (160)	0	0.61	0.00	[0.00 - 6.05]
Larynx (161)	3	2.86	1.05	[0.22 - 3.07]
Lung (162)	40	36.17	1.11	[0.79 - 1.51]
Pleura (163)	0	0.68	0.00	[0.00 - 5.46]
Other respiratory organs (164-165)	0	0.5	0.00	[0.00 - 7.42]
Bone (170)	0	0.6	0.00	[0.00 - 6.19]
Soft tissue (171)	1	0.45	2.24	[0.06 - 12.5]
Melanoma (172)	0	1.77	0.00	[0.00 - 2.08]
Other skin (173)	0	0.36	0.00	[0.00 - 10.1]
Breast (174-175)	2	0.61	3.27	[0.40 - 11.8]
Cervix uteri (180)	0	0.1	0.00	[0.00 - 36.6]
Corpus uteri & uterus unspecified (179,181-182)	0	0.07	0.00	[0.00 - 49.3]
Ovary (183)	0	0.17	0.00	[0.00 - 21.3]
Other female genital organs (184)	0	0.01	0.00	[0.00 - 0266]
Prostate (185)	8	9.65	0.83	[0.36 - 1.63]
Testis (186)	0	0.84	0.00	[0.00 - 4.39]
Other male genital organs (187)	0	0.19	0.00	[0.00 - 19.5]
Bladder (188)	5	5.45	0.92	[0.30 - 2.14]
Kidney (189)	1	3.78	0.26	[0.01 - 1.47]
Eye (190)	0	0.17	0.00	[0.00 - 21.7]
Brain (191-192)	3	3.98	0.75	[0.16 - 2.20]
Thyroid (193)	0	0.34	0.00	[0.00 - 10.8]
Other endocrine glands (194)	0	0.21	0.00	[0.00 - 17.5]
Ill defined (195,199)	4	5.95	0.67	[0.18 - 1.72]
Lymphatic & hematopoeitic tissue (200-208)	10	10.05	1.00	[0.48 - 1.83]
Non-Hodgkins lymphoma (200,202)	2	2.89	0.69	[0.08 - 2.50]
Hodgkins disease (201)	3	1.04	2.87	[0.59 - 8.40]
Multiple myeloma (203)	3	1.71	1.76	[0.36 - 5.13]
Leukemia & aleukemia (204-208)	2	4.39	0.46	[0.06 - 1.65]
Lymphoid leukemia (204)	0	1.26	0.00	[0.00 - 2.94]
Myeloid leukemia (205)	2	1.82	1.10	[0.13 - 3.97]
BENIGN NEOPLASMS (210-239)	5	2.64	1.90	[0.62 - 4.42]
DIS. OF ENDOCRINE SYSTEM & BLOOD (240-289)	2	9.27	0.22	[0.03 - 0.78]
MENTAL DISORDERS (290-319)	3	4.65	0.64	[0.13 - 1.88]
DIS. OF NERVOUS SYSTEM (320-389)	1	6.07	0.16	[0.00 - 0.92]
DIS. OF CIRCULATORY SYSTEM (390-459)	177	195.46	0.91	[0.78 - 1.05]
Hypertension (401-405)	1	3.55	0.28	[0.01 - 1.57]
Ischaemic heart disease (410-414)	136	125.34	1.09	[0.91 - 1.28]
Cerebrovascular (430-438)	22	32.67	0.67	[0.42 - 1.02]
Other heart diseases (4150,4152-4299)	6	17.58	0.34	[0.13 - 0.74]
DIS. OF RESPIRATORY SYSTEM (460-519)	24	29.11	0.82	[0.53 - 1.23]
Influenza (487)	0	0.92	0.00	[0.00 - 4.00]
Pneumonia (480-486)	1	8.24	0.12	[0.00 - 0.68]
Bronchitis,emphysema & asthma (490-493)	23	14.85	1.55	[0.98 - 2.32]
Pneumoconioses (500-508)	0	0.66	0.00	[0.00 - 5.62]
DIS. OF DIGESTIVE SYSTEM (520-579)	29	22.67	1.28	[0.86 - 1.84]
Liver cirrhosis (571)	17	11.77	1.44	[0.84 - 2.31]
DIS. OF GENITO-URINARY SYSTEM (580-629)	5	6.26	0.80	[0.26 - 1.86]
Nephritis & nephrosis (580-589)	0	1.92	0.00	[0.00 - 1.92]
DIS. OF THE SKIN (680-739)	1	1.24	0.81	[0.02 - 4.49]
SYMPTOMS AND ILL-DEFINED CONDITIONS (780-799)	14	17.16	0.82	[0.45 - 1.37]
EXTERNAL CAUSES (E800-999)	36	51.15	0.70	[0.49 - 0.97]
Traffic accident (E810-819)	5	12.14	0.41	[0.13 - 0.96]
Suicide (E950-959)	16	19.56	0.82	[0.47 - 1.33]
Homicide (E960-969)	0	0.77	0.00	[0.00 - 4.79]
Other external causes (E800-807,E820-949,E970-999)	15	18.68	0.80	[0.45 - 1.32]
UNKNOWN CAUSES	5			
OTHER CAUSES	2			

Table 2.9.34
Mortality by cause

TOTAL COHORT
Ever employment in department 308 (paper/board, winding)

Causes of death (ICD 9th.revision)	Observed	Expected	SMR	95% Confidence intervals
ALL CAUSES	1953	2070.74	0.94	[0.90 - 0.99]
ALL MALIGNANT NEOPLASMS (140-208)	528	575.91	0.92	[0.84 - 1.00]
Oral cavity & pharynx (140-149)	8	16.18	0.49	[0.21 - 0.97]
Oral cavity (141,143-145)	3	6.48	0.46	[0.10 - 1.35]
Nasopharynx (147)	0	0.9	0.00	[0.00 - 4.08]
Oesophagus (150)	14	16.42	0.85	[0.47 - 1.43]
Stomach (151)	39	40.29	0.97	[0.69 - 1.32]
Colon (153)	26	41.69	0.62	[0.41 - 0.91]
Rectum (154)	25	24.64	1.01	[0.66 - 1.50]
Liver (155)	6	9.98	0.60	[0.22 - 1.31]
Gallbladder (156)	7	4.66	1.50	[0.60 - 3.10]
Pancreas (157)	25	26.24	0.95	[0.62 - 1.41]
Peritoneum and other unspecified organs(158-159)	0	3.57	0.00	[0.00 - 1.03]
Nose & sinuses (160)	3	2.59	1.16	[0.24 - 3.38]
Larynx (161)	13	9.27	1.40	[0.75 - 2.40]
Lung (162)	117	128.34	0.91	[0.75 - 1.09]
Pleura (163)	0	2.25	0.00	[0.00 - 1.64]
Other respiratory organs (164-165)	3	1.48	2.02	[0.42 - 5.91]
Bone (170)	0	2.42	0.00	[0.00 - 1.52]
Soft tissue (171)	4	2.27	1.76	[0.48 - 4.52]
Melanoma (172)	10	8.33	1.20	[0.58 - 2.21]
Other skin (173)	0	1.51	0.00	[0.00 - 2.44]
Breast (174-175)	34	37.89	0.90	[0.62 - 1.25]
Cervix uteri (180)	8	11.02	0.73	[0.31 - 1.43]
Corpus uteri & uterus unspecified (179,181-182)	3	5.43	0.55	[0.11 - 1.62]
Ovary (183)	17	15.07	1.13	[0.66 - 1.81]
Other female genital organs (184)	0	1.23	0.00	[0.00 - 2.99]
Prostate (185)	27	30.08	0.90	[0.59 - 1.31]
Testis (186)	2	2.53	0.79	[0.10 - 2.85]
Other male genital organs (187)	3	0.52	5.72	[1.18 - 16.7]
Bladder (188)	12	17.59	0.68	[0.35 - 1.19]
Kidney (189)	7	14.6	0.48	[0.19 - 0.99]
Eye (190)	0	0.81	0.00	[0.00 - 4.56]
Brain (191-192)	17	16.5	1.03	[0.60 - 1.65]
Thyroid (193)	1	1.79	0.56	[0.01 - 3.11]
Other endocrine glands (194)	1	0.85	1.18	[0.03 - 6.58]
Ill defined (195,199)	39	29.58	1.32	[0.94 - 1.80]
Lymphatic & hematopoeitic tissue (200-208)	48	42.83	1.12	[0.83 - 1.49]
Non-Hodgkins lymphoma (200,202)	11	12.56	0.88	[0.44 - 1.57]
Hodgkins disease (201)	6	4.38	1.37	[0.50 - 2.98]
Multiple myeloma (203)	8	7.85	1.02	[0.44 - 2.01]
Leukemia & aleukemia (204-208)	23	17.83	1.29	[0.82 - 1.94]
Lymphoid leukemia (204)	6	4.34	1.38	[0.51 - 3.01]
Myeloid leukemia (205)	11	7.89	1.39	[0.70 - 2.49]
BENIGN NEOPLASMS (210-239)	8	11.27	0.71	[0.31 - 1.40]
DIS. OF ENDOCRINE SYSTEM & BLOOD (240-289)	31	38.88	0.80	[0.54 - 1.13]
MENTAL DISORDERS (290-319)	16	22.47	0.71	[0.41 - 1.16]
DIS. OF NERVOUS SYSTEM (320-389)	30	30.92	0.97	[0.65 - 1.39]
DIS. OF CIRCULATORY SYSTEM (390-459)	820	830.4	0.99	[0.92 - 1.06]
Hypertension (401-405)	20	18.59	1.08	[0.66 - 1.66]
Ischaemic heart disease (410-414)	523	495.18	1.06	[0.97 - 1.15]
Cerebrovascular (430-438)	155	172.48	0.90	[0.76 - 1.05]
Other heart diseases (4150,4152-4299)	53	73.14	0.72	[0.54 - 0.95]
DIS. OF RESPIRATORY SYSTEM (460-519)	119	136.49	0.87	[0.72 - 1.04]
Influenza (487)	8	4.46	1.79	[0.77 - 3.53]
Pneumonia (480-486)	41	52.88	0.78	[0.56 - 1.05]
Bronchitis,emphysema & asthma (490-493)	57	52	1.10	[0.83 - 1.42]
Pneumoconioses (500-508)	1	2.53	0.40	[0.01 - 2.21]
DIS. OF DIGESTIVE SYSTEM (520-579)	78	86.05	0.91	[0.72 - 1.13]
Liver cirrhosis (571)	38	38.77	0.98	[0.69 - 1.35]
DIS. OF GENITO-URINARY SYSTEM (580-629)	27	27.73	0.97	[0.64 - 1.42]
Nephritis & nephrosis (580-589)	9	10.19	0.88	[0.40 - 1.68]
DIS. OF THE SKIN (680-739)	7	8.4	0.83	[0.33 - 1.72]
SYMPTOMS AND ILL-DEFINED CONDITIONS (780-799)	54	70.1	0.77	[0.58 - 1.01]
EXTERNAL CAUSES (E800-999)	177	206.67	0.86	[0.73 - 0.99]
Traffic accident (E810-819)	37	47.31	0.78	[0.55 - 1.08]
Suicide (E950-959)	68	68.52	0.99	[0.77 - 1.26]
Homicide (E960-969)	4	4.51	0.89	[0.24 - 2.27]
Other external causes (E800-807,E820-949,E970-999)	68	86.34	0.79	[0.61 - 1.00]
UNKNOWN CAUSES	25			
OTHER CAUSES	33			

Table 2.9.35
Mortality by cause

TOTAL COHORT
Ever employment in department 398 (paper/board, other)

Causes of death (ICD 9th.revision)	Observed	Expected	SMR	95% Confidence intervals
ALL CAUSES	535	502.46	1.06	[0.98 - 1.16]
ALL MALIGNANT NEOPLASMS (140-208)	129	118.24	1.09	[0.91 - 1.30]
Oral cavity & pharynx (140-149)	3	2.45	1.23	[0.25 - 3.58]
Oral cavity (141,143-145)	1	1.04	0.96	[0.02 - 5.37]
Nasopharynx (147)	1	0.2	5.05	[0.13 - 28.1]
Oesophagus (150)	2	2.35	0.85	[0.10 - 3.07]
Stomach (151)	13	14	0.93	[0.49 - 1.59]
Colon (153)	11	8.27	1.33	[0.66 - 2.38]
Rectum (154)	11	6	1.83	[0.92 - 3.28]
Liver (155)	2	2.17	0.92	[0.11 - 3.32]
Gallbladder (156)	0	0.8	0.00	[0.00 - 4.64]
Pancreas (157)	9	6.46	1.39	[0.64 - 2.64]
Peritoneum and other unspecified organs(158-159)	0	0.07	0.00	[0.00 - 55.7]
Nose & sinuses (160)	0	0.37	0.00	[0.00 - 10.1]
Larynx (161)	3	1.02	2.94	[0.61 - 8.59]
Lung (162)	28	22.86	1.22	[0.81 - 1.77]
Pleura (163)	2	0.5	4.01	[0.49 - 14.5]
Other respiratory organs (164-165)	0	0.16	0.00	[0.00 - 22.4]
Bone (170)	0	0.4	0.00	[0.00 - 9.29]
Soft tissue (171)	0	0.57	0.00	[0.00 - 6.44]
Melanoma (172)	5	2.35	2.13	[0.69 - 4.97]
Other skin (173)	0	0.32	0.00	[0.00 - 11.5]
Breast (174-175)	1	1.36	0.74	[0.02 - 4.10]
Cervix uteri (180)	0	0.48	0.00	[0.00 - 7.62]
Corpus uteri & uterus unspecified (179,181-182)	0	0.2	0.00	[0.00 - 18.2]
Ovary (183)	0	0.56	0.00	[0.00 - 6.63]
Other female genital organs (184)	0	0.03	0.00	[0.00 - 0109]
Prostate (185)	11	12.74	0.86	[0.43 - 1.55]
Testis (186)	0	0.75	0.00	[0.00 - 4.92]
Other male genital organs (187)	1	0.15	6.71	[0.17 - 37.4]
Bladder (188)	5	4.08	1.23	[0.40 - 2.86]
Kidney (189)	0	3.55	0.00	[0.00 - 1.04]
Eye (190)	0	0.21	0.00	[0.00 - 17.6]
Brain (191-192)	3	3.77	0.80	[0.16 - 2.33]
Thyroid (193)	0	0.35	0.00	[0.00 - 10.6]
Other endocrine glands (194)	0	0.16	0.00	[0.00 - 23.5]
Ill defined (195,199)	10	6.57	1.52	[0.73 - 2.80]
Lymphatic & hematopoeitic tissue (200-208)	9	10.85	0.83	[0.38 - 1.58]
Non-Hodgkins lymphoma (200,202)	4	3.07	1.30	[0.36 - 3.34]
Hodgkins disease (201)	0	1.03	0.00	[0.00 - 3.60]
Multiple myeloma (203)	2	2.37	0.84	[0.10 - 3.04]
Leukemia & aleukemia (204-208)	3	4.23	0.71	[0.15 - 2.07]
Lymphoid leukemia (204)	1	0.92	1.09	[0.03 - 6.07]
Myeloid leukemia (205)	0	1.77	0.00	[0.00 - 2.08]
BENIGN NEOPLASMS (210-239)	1	2.36	0.42	[0.01 - 2.36]
DIS. OF ENDOCRINE SYSTEM & BLOOD (240-289)	5	7.58	0.66	[0.21 - 1.54]
MENTAL DISORDERS (290-319)	4	5.22	0.77	[0.21 - 1.96]
DIS. OF NERVOUS SYSTEM (320-389)	7	7.66	0.91	[0.37 - 1.88]
DIS. OF CIRCULATORY SYSTEM (390-459)	262	227.35	1.15	[1.02 - 1.30]
Hypertension (401-405)	3	5.85	0.51	[0.11 - 1.50]
Ischaemic heart disease (410-414)	164	142.72	1.15	[0.98 - 1.34]
Cerebrovascular (430-438)	50	43.54	1.15	[0.85 - 1.51]
Other heart diseases (4150,4152-4299)	22	18.46	1.19	[0.75 - 1.80]
DIS. OF RESPIRATORY SYSTEM (460-519)	31	30.99	1.00	[0.68 - 1.42]
Influenza (487)	0	0.88	0.00	[0.00 - 4.20]
Pneumonia (480-486)	12	16.03	0.75	[0.39 - 1.31]
Bronchitis,emphysema & asthma (490-493)	18	9.9	1.82	[1.08 - 2.87]
Pneumoconioses (500-508)	0	0.24	0.00	[0.00 - 15.1]
DIS. OF DIGESTIVE SYSTEM (520-579)	20	15.03	1.33	[0.81 - 2.06]
Liver cirrhosis (571)	4	4.92	0.81	[0.22 - 2.08]
DIS. OF GENITO-URINARY SYSTEM (580-629)	4	7.13	0.56	[0.15 - 1.44]
Nephritis & nephrosis (580-589)	1	3.23	0.31	[0.01 - 1.73]
DIS. OF THE SKIN (680-739)	3	1.8	1.67	[0.34 - 4.87]
SYMPTOMS AND ILL-DEFINED CONDITIONS (780-799)	17	22.59	0.75	[0.44 - 1.20]
EXTERNAL CAUSES (E800-999)	40	50.41	0.79	[0.57 - 1.08]
Traffic accident (E810-819)	4	9.11	0.44	[0.12 - 1.12]
Suicide (E950-959)	9	14.12	0.64	[0.29 - 1.21]
Homicide (E960-969)	1	0.92	1.09	[0.03 - 6.06]
Other external causes (E800-807,E820-949,E970-999)	26	26.26	0.99	[0.65 - 1.45]
UNKNOWN CAUSES	0			
OTHER CAUSES	12			

Table 2.9.36
Mortality by cause

TOTAL COHORT
Ever employment in department 399 (paper/board, unknown)

Causes of death (ICD 9th.revision)	Observed	Expected	SMR	95% Confidence intervals
ALL CAUSES	740	774.18	0.96	[0.89 - 1.03]
ALL MALIGNANT NEOPLASMS (140-208)	166	170.94	0.97	[0.83 - 1.13]
Oral cavity & pharynx (140-149)	0	3.24	0.00	[0.00 - 1.14]
Oral cavity (141,143-145)	0	1.37	0.00	[0.00 - 2.70]
Nasopharynx (147)	0	0.3	0.00	[0.00 - 12.2]
Oesophagus (150)	5	4.26	1.17	[0.38 - 2.74]
Stomach (151)	18	18.95	0.95	[0.56 - 1.50]
Colon (153)	7	9.43	0.74	[0.30 - 1.53]
Rectum (154)	6	6.04	0.99	[0.36 - 2.16]
Liver (155)	3	4.24	0.71	[0.15 - 2.07]
Gallbladder (156)	0	2.48	0.00	[0.00 - 1.49]
Pancreas (157)	12	9.42	1.27	[0.66 - 2.23]
Peritoneum and other unspecified organs(158-159)	3	1.74	1.73	[0.36 - 5.04]
Nose & sinuses (160)	0	0.36	0.00	[0.00 - 10.2]
Larynx (161)	1	2.28	0.44	[0.01 - 2.44]
Lung (162)	45	41.88	1.07	[0.78 - 1.44]
Pleura (163)	0	0.6	0.00	[0.00 - 6.11]
Other respiratory organs (164-165)	0	0.63	0.00	[0.00 - 5.88]
Bone (170)	0	0.92	0.00	[0.00 - 4.00]
Soft tissue (171)	2	0.78	2.56	[0.31 - 9.24]
Melanoma (172)	0	2.52	0.00	[0.00 - 1.47]
Other skin (173)	0	0.55	0.00	[0.00 - 6.69]
Breast (174-175)	9	6.28	1.43	[0.66 - 2.72]
Cervix uteri (180)	2	1.36	1.47	[0.18 - 5.32]
Corpus uteri & uterus unspecified (179,181-182)	2	1.48	1.35	[0.16 - 4.89]
Ovary (183)	4	2.52	1.58	[0.43 - 4.06]
Other female genital organs (184)	2	0.38	5.26	[0.64 - 19.0]
Prostate (185)	11	10.47	1.05	[0.52 - 1.88]
Testis (186)	1	0.54	1.84	[0.05 - 10.3]
Other male genital organs (187)	0	0.17	0.00	[0.00 - 22.3]
Bladder (188)	5	4.19	1.19	[0.39 - 2.79]
Kidney (189)	4	5.03	0.80	[0.22 - 2.04]
Eye (190)	0	0.26	0.00	[0.00 - 14.2]
Brain (191-192)	4	5.1	0.78	[0.21 - 2.01]
Thyroid (193)	0	0.71	0.00	[0.00 - 5.23]
Other endocrine glands (194)	0	0.3	0.00	[0.00 - 12.4]
Ill defined (195,199)	2	5.38	0.37	[0.05 - 1.34]
Lymphatic & hematopoeitic tissue (200-208)	13	14.49	0.90	[0.48 - 1.53]
Non-Hodgkins lymphoma (200,202)	1	4.5	0.22	[0.01 - 1.24]
Hodgkins disease (201)	2	1.52	1.32	[0.16 - 4.76]
Multiple myeloma (203)	7	2.55	2.74	[1.10 - 5.65]
Leukemia & aleukemia (204-208)	3	5.87	0.51	[0.11 - 1.49]
Lymphoid leukemia (204)	0	1.52	0.00	[0.00 - 2.43]
Myeloid leukemia (205)	1	2.45	0.41	[0.01 - 2.28]
BENIGN NEOPLASMS (210-239)	1	3.08	0.33	[0.01 - 1.81]
DIS. OF ENDOCRINE SYSTEM & BLOOD (240-289)	12	14.36	0.84	[0.43 - 1.46]
MENTAL DISORDERS (290-319)	4	10.15	0.39	[0.11 - 1.01]
DIS. OF NERVOUS SYSTEM (320-389)	10	10.04	1.00	[0.48 - 1.83]
DIS. OF CIRCULATORY SYSTEM (390-459)	353	362.48	0.97	[0.87 - 1.08]
Hypertension (401-405)	7	8.39	0.83	[0.34 - 1.72]
Ischaemic heart disease (410-414)	189	220.14	0.86	[0.74 - 0.99]
Cerebrovascular (430-438)	56	73.45	0.76	[0.58 - 0.99]
Other heart diseases (4150,4152-4299)	35	33.46	1.05	[0.73 - 1.45]
DIS. OF RESPIRATORY SYSTEM (460-519)	30	47.38	0.63	[0.43 - 0.90]
Influenza (487)	1	2.12	0.47	[0.01 - 2.62]
Pneumonia (480-486)	12	21.41	0.56	[0.29 - 0.98]
Bronchitis,emphysema & asthma (490-493)	8	15.08	0.53	[0.23 - 1.05]
Pneumoconioses (500-508)	0	0.63	0.00	[0.00 - 5.82]
DIS. OF DIGESTIVE SYSTEM (520-579)	25	29.82	0.84	[0.54 - 1.24]
Liver cirrhosis (571)	13	11.02	1.18	[0.63 - 2.02]
DIS. OF GENITO-URINARY SYSTEM (580-629)	10	11.56	0.87	[0.41 - 1.59]
Nephritis & nephrosis (580-589)	4	5.41	0.74	[0.20 - 1.89]
DIS. OF THE SKIN (680-739)	2	3.14	0.64	[0.08 - 2.30]
SYMPTOMS AND ILL-DEFINED CONDITIONS (780-799)	4	5.71	0.70	[0.19 - 1.79]
EXTERNAL CAUSES (E800-999)	96	90.33	1.06	[0.86 - 1.30]
Traffic accident (E810-819)	16	19.19	0.83	[0.48 - 1.35]
Suicide (E950-959)	13	28.66	0.45	[0.24 - 0.78]
Homicide (E960-969)	3	2.7	1.11	[0.23 - 3.25]
Other external causes (E800-807,E820-949,E970-999)	64	39.79	1.61	[1.24 - 2.05]
UNKNOWN CAUSES	22			
OTHER CAUSES	5			

Table 2.9.37
Mortality by cause

TOTAL COHORT

Ever employment in department 401 (off-machine coating of paper)

Causes of death (ICD 9th.revision)	Observed	Expected	SMR	95% Confidence intervals
ALL CAUSES	107	124.43	0.86	[0.70 - 1.04]
ALL MALIGNANT NEOPLASMS (140-208)	28	29.41	0.95	[0.63 - 1.38]
Oral cavity & pharynx (140-149)	0	1.15	0.00	[0.00 - 3.20]
Oral cavity (141,143-145)	0	0.43	0.00	[0.00 - 8.65]
Nasopharynx (147)	0	0.05	0.00	[0.00 - 70.7]
Oesophagus (150)	0	0.95	0.00	[0.00 - 3.88]
Stomach (151)	0	2.01	0.00	[0.00 - 1.83]
Colon (153)	2	1.62	1.23	[0.15 - 4.45]
Rectum (154)	1	0.87	1.15	[0.03 - 6.44]
Liver (155)	2	0.79	2.53	[0.31 - 9.13]
Gallbladder (156)	0	0.36	0.00	[0.00 - 10.3]
Pancreas (157)	1	1.4	0.71	[0.02 - 3.98]
Peritoneum and other unspecified organs(158-159)	0	0.42	0.00	[0.00 - 8.73]
Nose & sinuses (160)	0	0.24	0.00	[0.00 - 15.4]
Larynx (161)	0	0.65	0.00	[0.00 - 5.70]
Lung (162)	6	5.8	1.03	[0.38 - 2.25]
Pleura (163)	1	0.18	5.66	[0.14 - 31.5]
Other respiratory organs (164-165)	0	0.12	0.00	[0.00 - 31.9]
Bone (170)	0	0.21	0.00	[0.00 - 17.2]
Soft tissue (171)	0	0.17	0.00	[0.00 - 21.5]
Melanoma (172)	1	0.49	2.05	[0.05 - 11.4]
Other skin (173)	0	0.07	0.00	[0.00 - 55.5]
Breast (174-175)	2	2.25	0.89	[0.11 - 3.22]
Cervix uteri (180)	0	0.29	0.00	[0.00 - 12.8]
Corpus uteri & uterus unspecified (179,181-182)	0	0.47	0.00	[0.00 - 7.86]
Ovary (183)	2	0.73	2.73	[0.33 - 9.88]
Other female genital organs (184)	0	0.08	0.00	[0.00 - 43.8]
Prostate (185)	0	0.85	0.00	[0.00 - 4.32]
Testis (186)	0	0.13	0.00	[0.00 - 27.4]
Other male genital organs (187)	0	0.02	0.00	[0.00 - 0151]
Bladder (188)	1	0.51	1.96	[0.05 - 10.9]
Kidney (189)	4	0.84	4.78	[1.30 - 12.2]
Eye (190)	0	0.05	0.00	[0.00 - 80.4]
Brain (191-192)	1	1.1	0.91	[0.02 - 5.06]
Thyroid (193)	0	0.12	0.00	[0.00 - 31.1]
Other endocrine glands (194)	0	0.06	0.00	[0.00 - 58.9]
Ill defined (195,199)	1	1.43	0.70	[0.02 - 3.90]
Lymphatic & hematopoeitic tissue (200-208)	3	2.69	1.12	[0.23 - 3.26]
Non-Hodgkins lymphoma (200,202)	1	0.84	1.19	[0.03 - 6.61]
Hodgkins disease (201)	1	0.33	3.03	[0.08 - 16.9]
Multiple myeloma (203)	0	0.37	0.00	[0.00 - 9.92]
Leukemia & aleukemia (204-208)	1	1.14	0.88	[0.02 - 4.88]
Lymphoid leukemia (204)	0	0.28	0.00	[0.00 - 13.1]
Myeloid leukemia (205)	0	0.57	0.00	[0.00 - 6.47]
BENIGN NEOPLASMS (210-239)	0	0.7	0.00	[0.00 - 5.28]
DIS. OF ENDOCRINE SYSTEM & BLOOD (240-289)	1	2.43	0.41	[0.01 - 2.29]
MENTAL DISORDERS (290-319)	2	2.02	0.99	[0.12 - 3.58]
DIS. OF NERVOUS SYSTEM (320-389)	2	2.28	0.88	[0.11 - 3.18]
DIS. OF CIRCULATORY SYSTEM (390-459)	40	40.2	0.99	[0.71 - 1.35]
Hypertension (401-405)	3	0.84	3.58	[0.74 - 10.5]
Ischaemic heart disease (410-414)	26	22.24	1.17	[0.76 - 1.71]
Cerebrovascular (430-438)	5	8.7	0.57	[0.19 - 1.34]
Other heart diseases (4150,4152-4299)	4	5.32	0.75	[0.21 - 1.93]
DIS. OF RESPIRATORY SYSTEM (460-519)	3	4.82	0.62	[0.13 - 1.82]
Influenza (487)	0	0.19	0.00	[0.00 - 19.3]
Pneumonia (480-486)	2	1.83	1.09	[0.13 - 3.95]
Bronchitis,emphysema & asthma (490-493)	1	1.54	0.65	[0.02 - 3.62]
Pneumoconioses (500-508)	0	0.15	0.00	[0.00 - 24.8]
DIS. OF DIGESTIVE SYSTEM (520-579)	3	6.97	0.43	[0.09 - 1.26]
Liver cirrhosis (571)	1	4.03	0.25	[0.01 - 1.38]
DIS. OF GENITO-URINARY SYSTEM (580-629)	0	1.05	0.00	[0.00 - 3.51]
Nephritis & nephrosis (580-589)	0	0.62	0.00	[0.00 - 5.93]
DIS. OF THE SKIN (680-739)	1	0.62	1.62	[0.04 - 9.03]
SYMPTOMS AND ILL-DEFINED CONDITIONS (780-799)	0	3.05	0.00	[0.00 - 1.21]
EXTERNAL CAUSES (E800-999)	24	28.75	0.83	[0.53 - 1.24]
Traffic accident (E810-819)	3	5.22	0.58	[0.12 - 1.68]
Suicide (E950-959)	2	10.1	0.20	[0.02 - 0.72]
Homicide (E960-969)	0	1	0.00	[0.00 - 3.69]
Other external causes (E800-807,E820-949,E970-999)	19	12.43	1.53	[0.92 - 2.39]
UNKNOWN CAUSES	0			
OTHER CAUSES	3			

Table 2.9.38
Mortality by cause

TOTAL COHORT
Ever employment in department 404 (paper bags & sacks)

Causes of death (ICD 9th.revision)	Observed	Expected	SMR	95% Confidence intervals
ALL CAUSES	84	105.28	0.80	[0.64 - 0.99]
ALL MALIGNANT NEOPLASMS (140-208)	18	29.63	0.61	[0.36 - 0.96]
Oral cavity & pharynx (140-149)	0	0.42	0.00	[0.00 - 8.84]
Oral cavity (141,143-145)	0	0.12	0.00	[0.00 - 32.1]
Nasopharynx (147)	0	0.03	0.00	[0.00 - 0.127]
Oesophagus (150)	0	0.32	0.00	[0.00 - 11.6]
Stomach (151)	0	2.17	0.00	[0.00 - 1.70]
Colon (153)	2	1.81	1.10	[0.13 - 3.98]
Rectum (154)	0	1.1	0.00	[0.00 - 3.36]
Liver (155)	0	0.85	0.00	[0.00 - 4.36]
Gallbladder (156)	1	0.54	1.86	[0.05 - 10.4]
Pancreas (157)	1	1.44	0.70	[0.02 - 3.88]
Peritoneum and other unspecified organs(158-159)	1	0.12	8.44	[0.21 - 47.0]
Nose & sinuses (160)	0	0.03	0.00	[0.00 - 0.124]
Larynx (161)	0	0.2	0.00	[0.00 - 18.9]
Lung (162)	2	3.66	0.55	[0.07 - 1.98]
Pleura (163)	0	0.04	0.00	[0.00 - 90.2]
Other respiratory organs (164-165)	0	0.07	0.00	[0.00 - 54.5]
Bone (170)	0	0.21	0.00	[0.00 - 17.9]
Soft tissue (171)	1	0.12	8.56	[0.21 - 47.7]
Melanoma (172)	0	0.55	0.00	[0.00 - 6.69]
Other skin (173)	0	0.06	0.00	[0.00 - 57.8]
Breast (174-175)	4	3.92	1.02	[0.28 - 2.61]
Cervix uteri (180)	2	1.5	1.33	[0.16 - 4.81]
Corpus uteri & uterus unspecified (179,181-182)	0	0.65	0.00	[0.00 - 5.65]
Ovary (183)	1	1.77	0.56	[0.01 - 3.15]
Other female genital organs (184)	0	0.11	0.00	[0.00 - 33.5]
Prostate (185)	0	0.67	0.00	[0.00 - 5.48]
Testis (186)	0	0.09	0.00	[0.00 - 39.2]
Other male genital organs (187)	0	0.01	0.00	[0.00 - 0.389]
Bladder (188)	1	0.43	2.32	[0.06 - 12.9]
Kidney (189)	0	0.69	0.00	[0.00 - 5.32]
Eye (190)	0	0.03	0.00	[0.00 - 0.124]
Brain (191-192)	1	1.18	0.84	[0.02 - 4.70]
Thyroid (193)	0	0.1	0.00	[0.00 - 37.2]
Other endocrine glands (194)	0	0.04	0.00	[0.00 - 97.2]
Ill defined (195,199)	0	0.84	0.00	[0.00 - 4.39]
Lymphatic & hematopoeitic tissue (200-208)	1	2.65	0.38	[0.01 - 2.10]
Non-Hodgkins lymphoma (200,202)	1	0.58	1.74	[0.04 - 9.68]
Hodgkins disease (201)	0	0.31	0.00	[0.00 - 11.9]
Multiple myeloma (203)	0	0.37	0.00	[0.00 - 9.92]
Leukemia & aleukemia (204-208)	0	1.16	0.00	[0.00 - 3.17]
Lymphoid leukemia (204)	0	0.16	0.00	[0.00 - 23.0]
Myeloid leukemia (205)	0	0.37	0.00	[0.00 - 9.84]
BENIGN NEOPLASMS (210-239)	0	0.61	0.00	[0.00 - 6.01]
DIS. OF ENDOCRINE SYSTEM & BLOOD (240-289)	4	2.27	1.77	[0.48 - 4.52]
MENTAL DISORDERS (290-319)	1	1.31	0.77	[0.02 - 4.26]
DIS. OF NERVOUS SYSTEM (320-389)	0	2.08	0.00	[0.00 - 1.78]
DIS. OF CIRCULATORY SYSTEM (390-459)	38	38.28	0.99	[0.70 - 1.36]
Hypertension (401-405)	1	1.09	0.92	[0.02 - 5.10]
Ischaemic heart disease (410-414)	20	19.66	1.02	[0.62 - 1.57]
Cerebrovascular (430-438)	6	7.59	0.79	[0.29 - 1.72]
Other heart diseases (4150,4152-4299)	6	4.45	1.35	[0.49 - 2.94]
DIS. OF RESPIRATORY SYSTEM (460-519)	1	4.66	0.21	[0.01 - 1.20]
Influenza (487)	0	0.12	0.00	[0.00 - 31.8]
Pneumonia (480-486)	1	2.22	0.45	[0.01 - 2.52]
Bronchitis,emphysema & asthma (490-493)	0	1.72	0.00	[0.00 - 2.14]
Pneumoconioses (500-508)	0	0.04	0.00	[0.00 - 97.5]
DIS. OF DIGESTIVE SYSTEM (520-579)	3	3.91	0.77	[0.16 - 2.24]
Liver cirrhosis (571)	1	1.34	0.74	[0.02 - 4.15]
DIS. OF GENITO-URINARY SYSTEM (580-629)	1	1.7	0.59	[0.01 - 3.29]
Nephritis & nephrosis (580-589)	1	0.96	1.05	[0.03 - 5.83]
DIS. OF THE SKIN (680-739)	0	0.7	0.00	[0.00 - 5.28]
SYMPTOMS AND ILL-DEFINED CONDITIONS (780-799)	3	2.62	1.14	[0.24 - 3.34]
EXTERNAL CAUSES (E800-999)	15	15.67	0.96	[0.54 - 1.58]
Traffic accident (E810-819)	4	2.71	1.47	[0.40 - 3.77]
Suicide (E950-959)	5	4.67	1.07	[0.35 - 2.50]
Homicide (E960-969)	0	0.48	0.00	[0.00 - 7.70]
Other external causes (E800-807,E820-949,E970-999)	6	7.81	0.77	[0.28 - 1.67]
UNKNOWN CAUSES	0			
OTHER CAUSES	0			

Table 2.9.39
Mortality by cause

TOTAL COHORT

Ever employment in department 499 (paper/board products, unknown)

Causes of death (ICD 9th.revision)	Observed	Expected	SMR	95% Confidence intervals
ALL CAUSES	199	214.62	0.93	[0.80 - 1.07]
ALL MALIGNANT NEOPLASMS (140-208)	51	58.67	0.87	[0.65 - 1.14]
Oral cavity & pharynx (140-149)	3	1.14	2.64	[0.55 - 7.72]
Oral cavity (141,143-145)	1	0.51	1.96	[0.05 - 10.9]
Nasopharynx (147)	0	0.1	0.00	[0.00 - 36.9]
Oesophagus (150)	0	1.36	0.00	[0.00 - 2.72]
Stomach (151)	2	3.13	0.64	[0.08 - 2.31]
Colon (153)	4	4.3	0.93	[0.25 - 2.38]
Rectum (154)	2	2.69	0.74	[0.09 - 2.69]
Liver (155)	0	0.82	0.00	[0.00 - 4.50]
Gallbladder (156)	0	0.54	0.00	[0.00 - 6.82]
Pancreas (157)	5	3.02	1.66	[0.54 - 3.86]
Peritoneum and other unspecified organs(158-159)	0	0.26	0.00	[0.00 - 14.0]
Nose & sinuses (160)	0	0.11	0.00	[0.00 - 34.3]
Larynx (161)	1	0.7	1.43	[0.04 - 7.95]
Lung (162)	15	17.29	0.87	[0.49 - 1.43]
Pleura (163)	0	0.34	0.00	[0.00 - 10.9]
Other respiratory organs (164-165)	0	0.21	0.00	[0.00 - 17.9]
Bone (170)	0	0.2	0.00	[0.00 - 18.5]
Soft tissue (171)	0	0.21	0.00	[0.00 - 17.7]
Melanoma (172)	1	0.98	1.02	[0.03 - 5.70]
Other skin (173)	0	0.14	0.00	[0.00 - 26.3]
Breast (174-175)	2	1.61	1.24	[0.15 - 4.49]
Cervix uteri (180)	0	0.38	0.00	[0.00 - 9.60]
Corpus uteri & uterus unspecified (179,181-182)	0	0.21	0.00	[0.00 - 17.5]
Ovary (183)	0	0.62	0.00	[0.00 - 5.92]
Other female genital organs (184)	0	0.04	0.00	[0.00 - 87.1]
Prostate (185)	2	3.98	0.50	[0.06 - 1.81]
Testis (186)	0	0.36	0.00	[0.00 - 10.3]
Other male genital organs (187)	0	0.07	0.00	[0.00 - 51.4]
Bladder (188)	2	2.37	0.84	[0.10 - 3.05]
Kidney (189)	3	1.78	1.68	[0.35 - 4.91]
Eye (190)	0	0.09	0.00	[0.00 - 42.6]
Brain (191-192)	2	1.88	1.06	[0.13 - 3.84]
Thyroid (193)	0	0.16	0.00	[0.00 - 22.4]
Other endocrine glands (194)	0	0.1	0.00	[0.00 - 36.7]
Ill defined (195,199)	4	2.33	1.72	[0.47 - 4.39]
Lymphatic & hematopoeitic tissue (200-208)	3	4.62	0.65	[0.13 - 1.90]
Non-Hodgkins lymphoma (200,202)	1	1.41	0.71	[0.02 - 3.96]
Hodgkins disease (201)	1	0.39	2.57	[0.06 - 14.3]
Multiple myeloma (203)	0	0.8	0.00	[0.00 - 4.60]
Leukemia & aleukemia (204-208)	1	2	0.50	[0.01 - 2.79]
Lymphoid leukemia (204)	0	0.67	0.00	[0.00 - 5.54]
Myeloid leukemia (205)	1	1.04	0.96	[0.02 - 5.34]
BENIGN NEOPLASMS (210-239)	1	0.97	1.03	[0.03 - 5.76]
DIS. OF ENDOCRINE SYSTEM & BLOOD (240-289)	2	4.24	0.47	[0.06 - 1.70]
MENTAL DISORDERS (290-319)	1	1.98	0.51	[0.01 - 2.82]
DIS. OF NERVOUS SYSTEM (320-389)	2	2.68	0.75	[0.09 - 2.70]
DIS. OF CIRCULATORY SYSTEM (390-459)	83	87.95	0.94	[0.75 - 1.17]
Hypertension (401-405)	1	1.5	0.67	[0.02 - 3.72]
Ischaemic heart disease (410-414)	69	59.62	1.16	[0.90 - 1.46]
Cerebrovascular (430-438)	6	13.55	0.44	[0.16 - 0.96]
Other heart diseases (4150,4152-4299)	3	6.47	0.46	[0.10 - 1.36]
DIS. OF RESPIRATORY SYSTEM (460-519)	14	13.18	1.06	[0.58 - 1.78]
Influenza (487)	2	0.26	7.60	[0.92 - 27.5]
Pneumonia (480-486)	5	3.23	1.55	[0.50 - 3.62]
Bronchitis,emphysema & asthma (490-493)	5	8.12	0.62	[0.20 - 1.44]
Pneumoconioses (500-508)	0	0.2	0.00	[0.00 - 18.9]
DIS. OF DIGESTIVE SYSTEM (520-579)	12	8.44	1.42	[0.73 - 2.48]
Liver cirrhosis (571)	6	4.55	1.32	[0.48 - 2.87]
DIS. OF GENITO-URINARY SYSTEM (580-629)	0	2.09	0.00	[0.00 - 1.76]
Nephritis & nephrosis (580-589)	0	0.59	0.00	[0.00 - 6.23]
DIS. OF THE SKIN (680-739)	2	0.6	3.31	[0.40 - 12.0]
SYMPTOMS AND ILL-DEFINED CONDITIONS (780-799)	6	7.7	0.78	[0.29 - 1.70]
EXTERNAL CAUSES (E800-999)	16	23.65	0.68	[0.39 - 1.10]
Traffic accident (E810-819)	3	4.73	0.63	[0.13 - 1.86]
Suicide (E950-959)	7	10.34	0.68	[0.27 - 1.39]
Homicide (E960-969)	0	0.48	0.00	[0.00 - 7.76]
Other external causes (E800-807,E820-949,E970-999)	6	8.1	0.74	[0.27 - 1.61]
UNKNOWN CAUSES	4			
OTHER CAUSES	5			

Table 2.9.40
Mortality by cause

TOTAL COHORT

Ever employment in department 501 (maintenance, repair, cleaning)

Causes of death (ICD 9th.revision)	Observed	Expected	SMR	95% Confidence intervals
ALL CAUSES	3167	3664.39	0.86	[0.83 - 0.89]
ALL MALIGNANT NEOPLASMS (140-208)	799	843.72	0.95	[0.88 - 1.02]
Oral cavity & pharynx (140-149)	20	20.79	0.96	[0.59 - 1.49]
Oral cavity (141,143-145)	9	8.17	1.10	[0.50 - 2.09]
Nasopharynx (147)	1	1.49	0.67	[0.02 - 3.74]
Oesophagus (150)	19	22.59	0.84	[0.51 - 1.31]
Stomach (151)	76	83.6	0.91	[0.72 - 1.14]
Colon (153)	59	55.57	1.06	[0.81 - 1.37]
Rectum (154)	33	37.27	0.89	[0.61 - 1.24]
Liver (155)	13	17.47	0.74	[0.40 - 1.27]
Gallbladder (156)	5	6.95	0.72	[0.23 - 1.68]
Pancreas (157)	27	43.58	0.62	[0.41 - 0.90]
Peritoneum and other unspecified organs(158-159)	2	4.44	0.45	[0.05 - 1.63]
Nose & sinuses (160)	4	2.88	1.39	[0.38 - 3.56]
Larynx (161)	8	11.35	0.70	[0.30 - 1.39]
Lung (162)	222	216.22	1.03	[0.90 - 1.17]
Pleura (163)	13	3.63	3.58	[1.91 - 6.13]
Other respiratory organs (164-165)	6	2.21	2.72	[1.00 - 5.91]
Bone (170)	0	3.79	0.00	[0.00 - 0.97]
Soft tissue (171)	4	3.75	1.07	[0.29 - 2.73]
Melanoma (172)	12	14.61	0.82	[0.42 - 1.43]
Other skin (173)	2	2.47	0.81	[0.10 - 2.92]
Breast (174-175)	2	5.62	0.36	[0.04 - 1.29]
Cervix uteri (180)	0	1.21	0.00	[0.00 - 3.06]
Corpus uteri & uterus unspecified (179,181-182)	1	0.92	1.09	[0.03 - 6.06]
Ovary (183)	2	2	1.00	[0.12 - 3.60]
Other female genital organs (184)	0	0.23	0.00	[0.00 - 16.0]
Prostate (185)	60	73.69	0.81	[0.62 - 1.05]
Testis (186)	6	4.75	1.26	[0.46 - 2.75]
Other male genital organs (187)	2	1.01	1.99	[0.24 - 7.18]
Bladder (188)	31	27.1	1.14	[0.78 - 1.62]
Kidney (189)	24	24.43	0.98	[0.63 - 1.46]
Eye (190)	3	1.28	2.34	[0.48 - 6.84]
Brain (191-192)	26	25.33	1.03	[0.67 - 1.50]
Thyroid (193)	4	2.34	1.71	[0.47 - 4.38]
Other endocrine glands (194)	2	1.26	1.58	[0.19 - 5.72]
Ill defined (195,199)	40	36.9	1.08	[0.77 - 1.48]
Lymphatic & hematopoeitic tissue (200-208)	57	71.97	0.79	[0.60 - 1.03]
Non-Hodgkins lymphoma (200,202)	16	21.4	0.75	[0.43 - 1.21]
Hodgkins disease (201)	5	7.11	0.70	[0.23 - 1.64]
Multiple myeloma (203)	13	13.55	0.96	[0.51 - 1.64]
Leukemia & aleukemia (204-208)	23	28.95	0.79	[0.50 - 1.19]
Lymphoid leukemia (204)	6	7.32	0.82	[0.30 - 1.78]
Myeloid leukemia (205)	8	12.16	0.66	[0.28 - 1.30]
BENIGN NEOPLASMS (210-239)	13	15.07	0.86	[0.46 - 1.48]
DIS. OF ENDOCRINE SYSTEM & BLOOD (240-289)	37	60.51	0.61	[0.43 - 0.84]
MENTAL DISORDERS (290-319)	21	40.55	0.52	[0.32 - 0.79]
DIS. OF NERVOUS SYSTEM (320-389)	43	50.05	0.86	[0.62 - 1.16]
DIS. OF CIRCULATORY SYSTEM (390-459)	1494	1625.74	0.92	[0.87 - 0.97]
Hypertension (401-405)	33	35.19	0.94	[0.65 - 1.32]
Ischaemic heart disease (410-414)	958	1043.65	0.92	[0.86 - 0.98]
Cerebrovascular (430-438)	243	295.62	0.82	[0.72 - 0.93]
Other heart diseases (4150,4152-4299)	87	135.2	0.64	[0.52 - 0.79]
DIS. OF RESPIRATORY SYSTEM (460-519)	162	231.71	0.70	[0.60 - 0.82]
Influenza (487)	0	6.93	0.00	[0.00 - 0.53]
Pneumonia (480-486)	61	98.12	0.62	[0.48 - 0.80]
Bronchitis,emphysema & asthma (490-493)	64	82.08	0.78	[0.60 - 1.00]
Pneumoconioses (500-508)	1	3.26	0.31	[0.01 - 1.71]
DIS. OF DIGESTIVE SYSTEM (520-579)	88	130.11	0.68	[0.54 - 0.83]
Liver cirrhosis (571)	41	50.79	0.81	[0.58 - 1.10]
DIS. OF GENITO-URINARY SYSTEM (580-629)	38	47.59	0.80	[0.57 - 1.10]
Nephritis & nephrosis (580-589)	9	21.65	0.42	[0.19 - 0.79]
DIS. OF THE SKIN (680-739)	2	11.48	0.17	[0.02 - 0.63]
SYMPTOMS AND ILL-DEFINED CONDITIONS (780-799)	76	107.52	0.71	[0.56 - 0.88]
EXTERNAL CAUSES (E800-999)	322	446.08	0.72	[0.65 - 0.81]
Traffic accident (E810-819)	59	92.74	0.64	[0.48 - 0.82]
Suicide (E950-959)	85	131.74	0.65	[0.52 - 0.80]
Homicide (E960-969)	5	16.39	0.30	[0.10 - 0.71]
Other external causes (E800-807,E820-949,E970-999)	173	205.21	0.84	[0.72 - 0.98]
UNKNOWN CAUSES	14			
OTHER CAUSES	58			

Table 2.9.41
Mortality by cause

TOTAL COHORT
Ever employment in department 503 (power plant)

Causes of death (ICD 9th.revision)	Observed	Expected	SMR	95% Confidence intervals
ALL CAUSES	751	791.28	0.95	[0.88 - 1.02]
ALL MALIGNANT NEOPLASMS (140-208)	163	176.2	0.93	[0.79 - 1.08]
Oral cavity & pharynx (140-149)	1	3.87	0.26	[0.01 - 1.44]
Oral cavity (141,143-145)	0	1.44	0.00	[0.00 - 2.56]
Nasopharynx (147)	0	0.26	0.00	[0.00 - 14.0]
Oesophagus (150)	2	4.59	0.44	[0.05 - 1.57]
Stomach (151)	22	18.69	1.18	[0.74 - 1.78]
Colon (153)	6	10.26	0.58	[0.21 - 1.27]
Rectum (154)	7	7.15	0.98	[0.39 - 2.02]
Liver (155)	3	3.91	0.77	[0.16 - 2.24]
Gallbladder (156)	3	1.59	1.89	[0.39 - 5.51]
Pancreas (157)	6	9.22	0.65	[0.24 - 1.42]
Peritoneum and other unspecified organs(158-159)	0	1.16	0.00	[0.00 - 3.18]
Nose & sinuses (160)	1	0.54	1.87	[0.05 - 10.4]
Larynx (161)	5	2.51	1.99	[0.65 - 4.64]
Lung (162)	45	50.48	0.89	[0.65 - 1.19]
Pleura (163)	3	0.75	4.03	[0.83 - 11.8]
Other respiratory organs (164-165)	1	0.5	1.99	[0.05 - 11.1]
Bone (170)	0	0.8	0.00	[0.00 - 4.60]
Soft tissue (171)	0	0.68	0.00	[0.00 - 5.43]
Melanoma (172)	3	2.34	1.28	[0.26 - 3.74]
Other skin (173)	1	0.51	1.96	[0.05 - 10.9]
Breast (174-175)	2	1.57	1.27	[0.15 - 4.59]
Cervix uteri (180)	0	0.38	0.00	[0.00 - 9.69]
Corpus uteri & uterus unspecified (179,181-182)	2	0.34	5.95	[0.72 - 21.5]
Ovary (183)	0	0.6	0.00	[0.00 - 6.13]
Other female genital organs (184)	0	0.08	0.00	[0.00 - 43.7]
Prostate (185)	17	13.7	1.24	[0.72 - 1.99]
Testis (186)	1	0.63	1.58	[0.04 - 8.78]
Other male genital organs (187)	0	0.2	0.00	[0.00 - 18.5]
Bladder (188)	4	5.44	0.74	[0.20 - 1.88]
Kidney (189)	4	4.91	0.81	[0.22 - 2.08]
Eye (190)	0	0.26	0.00	[0.00 - 14.2]
Brain (191-192)	2	4.65	0.43	[0.05 - 1.55]
Thyroid (193)	0	0.51	0.00	[0.00 - 7.25]
Other endocrine glands (194)	0	0.26	0.00	[0.00 - 13.9]
Ill defined (195,199)	6	6.09	0.98	[0.36 - 2.14]
Lymphatic & hematopoietic tissue (200-208)	15	14.19	1.06	[0.59 - 1.74]
Non-Hodgkins lymphoma (200,202)	7	4.18	1.68	[0.67 - 3.45]
Hodgkins disease (201)	1	1.45	0.69	[0.02 - 3.83]
Multiple myeloma (203)	4	2.51	1.60	[0.43 - 4.09]
Leukemia & aleukemia (204-208)	3	5.78	0.52	[0.11 - 1.52]
Lymphoid leukemia (204)	0	1.5	0.00	[0.00 - 2.46]
Myeloid leukemia (205)	3	2.28	1.32	[0.27 - 3.85]
BENIGN NEOPLASMS (210-239)	2	3.09	0.65	[0.08 - 2.34]
DIS. OF ENDOCRINE SYSTEM & BLOOD (240-289)	10	11.9	0.84	[0.40 - 1.55]
MENTAL DISORDERS (290-319)	3	8.34	0.36	[0.07 - 1.05]
DIS. OF NERVOUS SYSTEM (320-389)	6	9.96	0.60	[0.22 - 1.31]
DIS. OF CIRCULATORY SYSTEM (390-459)	386	363.04	1.06	[0.96 - 1.17]
Hypertension (401-405)	6	7.78	0.77	[0.28 - 1.68]
Ischaemic heart disease (410-414)	216	232.04	0.93	[0.81 - 1.06]
Cerebrovascular (430-438)	60	66.75	0.90	[0.69 - 1.16]
Other heart diseases (4150,4152-4299)	26	30.02	0.87	[0.57 - 1.27]
DIS. OF RESPIRATORY SYSTEM (460-519)	46	49.72	0.93	[0.68 - 1.23]
Influenza (487)	0	1.72	0.00	[0.00 - 2.14]
Pneumonia (480-486)	16	20.63	0.78	[0.44 - 1.26]
Bronchitis,emphysema & asthma (490-493)	19	18.99	1.00	[0.60 - 1.56]
Pneumoconioses (500-508)	1	0.69	1.46	[0.04 - 8.11]
DIS. OF DIGESTIVE SYSTEM (520-579)	22	28.32	0.78	[0.49 - 1.18]
Liver cirrhosis (571)	8	10.41	0.77	[0.33 - 1.51]
DIS. OF GENITO-URINARY SYSTEM (580-629)	6	10.64	0.56	[0.21 - 1.23]
Nephritis & nephrosis (580-589)	3	4.78	0.63	[0.13 - 1.83]
DIS. OF THE SKIN (680-739)	1	2.44	0.41	[0.01 - 2.28]
SYMPTOMS AND ILL-DEFINED CONDITIONS (780-799)	12	16.93	0.71	[0.37 - 1.24]
EXTERNAL CAUSES (E800-999)	73	97.33	0.75	[0.59 - 0.94]
Traffic accident (E810-819)	10	18.03	0.55	[0.27 - 1.02]
Suicide (E950-959)	12	29.65	0.40	[0.21 - 0.71]
Homicide (E960-969)	0	3.88	0.00	[0.00 - 0.95]
Other external causes (E800-807,E820-949,E970-999)	51	45.77	1.11	[0.83 - 1.47]
UNKNOWN CAUSES	5			
OTHER CAUSES	16			

Table 2.9.42
Mortality by cause

TOTAL COHORT
Ever employment in department 504 (effluent water treatment)

Causes of death (ICD 9th.revision)	Observed	Expected	SMR	95% Confidence intervals
ALL CAUSES	68	87.38	0.78	[0.60 - 0.99]
ALL MALIGNANT NEOPLASMS (140-208)	15	20.85	0.72	[0.40 - 1.19]
Oral cavity & pharynx (140-149)	0	0.55	0.00	[0.00 - 6.67]
Oral cavity (141,143-145)	0	0.16	0.00	[0.00 - 23.7]
Nasopharynx (147)	0	0.02	0.00	[0.00 - 0152]
Oesophagus (150)	1	0.73	1.37	[0.03 - 7.64]
Stomach (151)	1	2.31	0.43	[0.01 - 2.41]
Colon (153)	1	1.17	0.86	[0.02 - 4.78]
Rectum (154)	1	0.82	1.23	[0.03 - 6.83]
Liver (155)	1	0.88	1.14	[0.03 - 6.36]
Gallbladder (156)	1	0.15	6.69	[0.17 - 37.3]
Pancreas (157)	1	0.85	1.17	[0.03 - 6.52]
Peritoneum and other unspecified organs(158-159)	0	0.1	0.00	[0.00 - 35.4]
Nose & sinuses (160)	0	0.06	0.00	[0.00 - 65.9]
Larynx (161)	0	0.41	0.00	[0.00 - 9.06]
Lung (162)	5	6.25	0.80	[0.26 - 1.87]
Pleura (163)	0	0.05	0.00	[0.00 - 80.1]
Other respiratory organs (164-165)	0	0.03	0.00	[0.00 - 0126]
Bone (170)	0	0.13	0.00	[0.00 - 28.8]
Soft tissue (171)	0	0.05	0.00	[0.00 - 79.7]
Melanoma (172)	0	0.16	0.00	[0.00 - 23.1]
Other skin (173)	0	0.07	0.00	[0.00 - 55.1]
Breast (174-175)	0	0.5	0.00	[0.00 - 7.41]
Cervix uteri (180)	0	0.21	0.00	[0.00 - 17.3]
Corpus uteri & uterus unspecified (179,181-182)	0	0.08	0.00	[0.00 - 46.4]
Ovary (183)	0	0.17	0.00	[0.00 - 22.1]
Other female genital organs (184)	0	0.01	0.00	[0.00 - 0345]
Prostate (185)	1	0.89	1.13	[0.03 - 6.30]
Testis (186)	0	0.07	0.00	[0.00 - 53.2]
Other male genital organs (187)	0	0.02	0.00	[0.00 - 0214]
Bladder (188)	1	0.55	1.82	[0.05 - 10.1]
Kidney (189)	0	0.3	0.00	[0.00 - 12.2]
Eye (190)	0	0.01	0.00	[0.00 - 0252]
Brain (191-192)	1	0.47	2.15	[0.05 - 12.0]
Thyroid (193)	0	0.03	0.00	[0.00 - 0112]
Other endocrine glands (194)	0	0.01	0.00	[0.00 - 0267]
Ill defined (195,199)	0	0.57	0.00	[0.00 - 6.50]
Lymphatic & hematopoeitic tissue (200-208)	0	1.35	0.00	[0.00 - 2.72]
Non-Hodgkins lymphoma (200,202)	0	0.31	0.00	[0.00 - 11.9]
Hodgkins disease (201)	0	0.15	0.00	[0.00 - 24.7]
Multiple myeloma (203)	0	0.16	0.00	[0.00 - 23.5]
Leukemia & aleukemia (204-208)	0	0.59	0.00	[0.00 - 6.29]
Lymphoid leukemia (204)	0	0.1	0.00	[0.00 - 36.4]
Myeloid leukemia (205)	0	0.18	0.00	[0.00 - 21.0]
BENIGN NEOPLASMS (210-239)	0	0.34	0.00	[0.00 - 11.0]
DIS. OF ENDOCRINE SYSTEM & BLOOD (240-289)	1	1.32	0.76	[0.02 - 4.21]
MENTAL DISORDERS (290-319)	0	0.8	0.00	[0.00 - 4.60]
DIS. OF NERVOUS SYSTEM (320-389)	0	1.15	0.00	[0.00 - 3.21]
DIS. OF CIRCULATORY SYSTEM (390-459)	30	36.1	0.83	[0.56 - 1.19]
Hypertension (401-405)	0	0.97	0.00	[0.00 - 3.79]
Ischaemic heart disease (410-414)	19	19.22	0.99	[0.60 - 1.54]
Cerebrovascular (430-438)	6	7.56	0.79	[0.29 - 1.73]
Other heart diseases (4150,4152-4299)	2	4.1	0.49	[0.06 - 1.76]
DIS. OF RESPIRATORY SYSTEM (460-519)	4	6.34	0.63	[0.17 - 1.62]
Influenza (487)	0	0.14	0.00	[0.00 - 25.8]
Pneumonia (480-486)	1	2.42	0.41	[0.01 - 2.31]
Bronchitis,emphysema & asthma (490-493)	0	2.33	0.00	[0.00 - 1.58]
Pneumoconioses (500-508)	0	0.15	0.00	[0.00 - 25.4]
DIS. OF DIGESTIVE SYSTEM (520-579)	2	3.62	0.55	[0.07 - 2.00]
Liver cirrhosis (571)	0	1.53	0.00	[0.00 - 2.42]
DIS. OF GENITO-URINARY SYSTEM (580-629)	0	1.21	0.00	[0.00 - 3.06]
Nephritis & nephrosis (580-589)	0	0.74	0.00	[0.00 - 4.99]
DIS. OF THE SKIN (680-739)	0	0.28	0.00	[0.00 - 13.0]
SYMPTOMS AND ILL-DEFINED CONDITIONS (780-799)	4	2.23	1.79	[0.49 - 4.59]
EXTERNAL CAUSES (E800-999)	10	11.83	0.85	[0.41 - 1.55]
Traffic accident (E810-819)	5	2.23	2.24	[0.73 - 5.23]
Suicide (E950-959)	0	2.87	0.00	[0.00 - 1.29]
Homicide (E960-969)	0	0.57	0.00	[0.00 - 6.46]
Other external causes (E800-807,E820-949,E970-999)	5	6.16	0.81	[0.26 - 1.89]
UNKNOWN CAUSES	1			
OTHER CAUSES	1			

Table 2.9.43
Mortality by cause

TOTAL COHORT
Ever employment in department 505 (storage, loading, transport)

Causes of death (ICD 9th.revision)	Observed	Expected	SMR	95% Confidence intervals
ALL CAUSES	2106	2443.52	0.86	[0.83 - 0.90]
ALL MALIGNANT NEOPLASMS (140-208)	502	565.27	0.89	[0.81 - 0.97]
Oral cavity & pharynx (140-149)	10	14.55	0.69	[0.33 - 1.26]
Oral cavity (141,143-145)	2	5.48	0.37	[0.04 - 1.32]
Nasopharynx (147)	0	0.87	0.00	[0.00 - 4.25]
Oesophagus (150)	10	14.79	0.68	[0.32 - 1.24]
Stomach (151)	41	57.59	0.71	[0.51 - 0.97]
Colon (153)	25	36.46	0.69	[0.44 - 1.01]
Rectum (154)	23	25.27	0.91	[0.58 - 1.37]
Liver (155)	16	11.2	1.43	[0.82 - 2.32]
Gallbladder (156)	3	4.47	0.67	[0.14 - 1.96]
Pancreas (157)	31	29.46	1.05	[0.71 - 1.49]
Peritoneum and other unspecified organs(158-159)	1	2.99	0.33	[0.01 - 1.86]
Nose & sinuses (160)	5	2.09	2.39	[0.78 - 5.57]
Larynx (161)	13	8.71	1.49	[0.80 - 2.55]
Lung (162)	141	139.42	1.01	[0.85 - 1.19]
Pleura (163)	0	2.35	0.00	[0.00 - 1.57]
Other respiratory organs (164-165)	0	1.44	0.00	[0.00 - 2.56]
Bone (170)	1	2.35	0.43	[0.01 - 2.37]
Soft tissue (171)	1	2.24	0.45	[0.01 - 2.49]
Melanoma (172)	8	8.32	0.96	[0.41 - 1.89]
Other skin (173)	1	1.69	0.59	[0.01 - 3.29]
Breast (174-175)	5	4.72	1.06	[0.34 - 2.47]
Cervix uteri (180)	0	1.12	0.00	[0.00 - 3.30]
Corpus uteri & uterus unspecified (179,181-182)	2	0.77	2.58	[0.31 - 9.33]
Ovary (183)	0	1.66	0.00	[0.00 - 2.22]
Other female genital organs (184)	0	0.19	0.00	[0.00 - 19.9]
Prostate (185)	47	54.42	0.86	[0.63 - 1.15]
Testis (186)	1	2.43	0.41	[0.01 - 2.30]
Other male genital organs (187)	3	0.67	4.50	[0.93 - 13.2]
Bladder (188)	16	19.52	0.82	[0.47 - 1.33]
Kidney (189)	21	16.02	1.31	[0.81 - 2.00]
Eye (190)	0	0.85	0.00	[0.00 - 4.35]
Brain (191-192)	9	15.18	0.59	[0.27 - 1.13]
Thyroid (193)	1	1.6	0.62	[0.02 - 3.48]
Other endocrine glands (194)	0	0.77	0.00	[0.00 - 4.81]
Ill defined (195,199)	25	24.76	1.01	[0.65 - 1.49]
Lymphatic & hematopoietic tissue (200-208)	39	46.48	0.84	[0.60 - 1.15]
Non-Hodgkins lymphoma (200,202)	12	13.18	0.91	[0.47 - 1.59]
Hodgkins disease (201)	3	4.35	0.69	[0.14 - 2.01]
Multiple myeloma (203)	11	9.21	1.19	[0.60 - 2.14]
Leukemia & aleukemia (204-208)	13	18.84	0.69	[0.37 - 1.18]
Lymphoid leukemia (204)	5	4.83	1.03	[0.34 - 2.41]
Myeloid leukemia (205)	4	7.31	0.55	[0.15 - 1.40]
BENIGN NEOPLASMS (210-239)	9	10.86	0.83	[0.38 - 1.57]
DIS. OF ENDOCRINE SYSTEM & BLOOD (240-289)	32	38.23	0.84	[0.57 - 1.18]
MENTAL DISORDERS (290-319)	20	27.32	0.73	[0.45 - 1.13]
DIS. OF NERVOUS SYSTEM (320-389)	34	32.4	1.05	[0.73 - 1.47]
DIS. OF CIRCULATORY SYSTEM (390-459)	975	1119.4	0.87	[0.82 - 0.93]
Hypertension (401-405)	21	25.57	0.82	[0.51 - 1.26]
Ischaemic heart disease (410-414)	640	698.73	0.92	[0.85 - 0.99]
Cerebrovascular (430-438)	157	209.13	0.75	[0.64 - 0.88]
Other heart diseases (4150,4152-4299)	63	96.7	0.65	[0.50 - 0.83]
DIS. OF RESPIRATORY SYSTEM (460-519)	133	159.65	0.83	[0.70 - 0.99]
Influenza (487)	3	5.17	0.58	[0.12 - 1.69]
Pneumonia (480-486)	52	72.15	0.72	[0.54 - 0.95]
Bronchitis,emphysema & asthma (490-493)	54	57.37	0.94	[0.71 - 1.23]
Pneumoconioses (500-508)	2	2.19	0.92	[0.11 - 3.31]
DIS. OF DIGESTIVE SYSTEM (520-579)	72	86.79	0.83	[0.65 - 1.04]
Liver cirrhosis (571)	25	32.27	0.77	[0.50 - 1.14]
DIS. OF GENITO-URINARY SYSTEM (580-629)	19	34.67	0.55	[0.33 - 0.86]
Nephritis & nephrosis (580-589)	7	14.04	0.50	[0.20 - 1.03]
DIS. OF THE SKIN (680-739)	6	7.79	0.77	[0.28 - 1.68]
SYMPTOMS AND ILL-DEFINED CONDITIONS (780-799)	48	79.28	0.61	[0.45 - 0.80]
EXTERNAL CAUSES (E800-999)	197	247.47	0.80	[0.69 - 0.92]
Traffic accident (E810-819)	39	47.34	0.82	[0.59 - 1.13]
Suicide (E950-959)	50	71.39	0.70	[0.52 - 0.92]
Homicide (E960-969)	5	8.36	0.60	[0.19 - 1.40]
Other external causes (E800-807,E820-949,E970-999)	103	120.39	0.86	[0.70 - 1.04]
UNKNOWN CAUSES	14			
OTHER CAUSES	45			

Table 2.9.44
Mortality by cause

TOTAL COHORT
Ever employment in department 506 (laboratory and research)

Causes of death (ICD 9th.revision)	Observed	Expected	SMR	95% Confidence intervals
ALL CAUSES	295	388.39	0.76	[0.68 - 0.85]
ALL MALIGNANT NEOPLASMS (140-208)	89	101.28	0.88	[0.71 - 1.08]
Oral cavity & pharynx (140-149)	1	2.78	0.36	[0.01 - 2.01]
Oral cavity (141,143-145)	0	1.12	0.00	[0.00 - 3.28]
Nasopharynx (147)	0	0.18	0.00	[0.00 - 20.5]
Oesophagus (150)	3	2.55	1.18	[0.24 - 3.44]
Stomach (151)	3	7.44	0.40	[0.08 - 1.18]
Colon (153)	10	7.04	1.42	[0.68 - 2.61]
Rectum (154)	4	4.14	0.97	[0.26 - 2.47]
Liver (155)	2	1.82	1.10	[0.13 - 3.96]
Gallbladder (156)	0	1.04	0.00	[0.00 - 3.54]
Pancreas (157)	4	5.08	0.79	[0.21 - 2.02]
Peritoneum and other unspecified organs(158-159)	1	0.46	2.16	[0.05 - 12.0]
Nose & sinuses (160)	1	0.43	2.33	[0.06 - 13.0]
Larynx (161)	0	1.28	0.00	[0.00 - 2.89]
Lung (162)	17	21.57	0.79	[0.46 - 1.26]
Pleura (163)	0	0.45	0.00	[0.00 - 8.20]
Other respiratory organs (164-165)	1	0.24	4.11	[0.10 - 22.9]
Bone (170)	0	0.48	0.00	[0.00 - 7.75]
Soft tissue (171)	1	0.55	1.83	[0.05 - 10.2]
Melanoma (172)	4	2.14	1.87	[0.51 - 4.79]
Other skin (173)	0	0.22	0.00	[0.00 - 16.6]
Breast (174-175)	5	5.27	0.95	[0.31 - 2.21]
Cervix uteri (180)	1	1.14	0.87	[0.02 - 4.87]
Corpus uteri & uterus unspecified (179,181-182)	1	0.67	1.49	[0.04 - 8.32]
Ovary (183)	2	2.08	0.96	[0.12 - 3.47]
Other female genital organs (184)	0	0.15	0.00	[0.00 - 24.2]
Prostate (185)	6	6.02	1.00	[0.37 - 2.17]
Testis (186)	0	0.68	0.00	[0.00 - 5.44]
Other male genital organs (187)	0	0.09	0.00	[0.00 - 39.8]
Bladder (188)	7	2.65	2.65	[1.06 - 5.45]
Kidney (189)	0	2.96	0.00	[0.00 - 1.25]
Eye (190)	0	0.16	0.00	[0.00 - 22.4]
Brain (191-192)	4	3.82	1.05	[0.29 - 2.68]
Thyroid (193)	0	0.32	0.00	[0.00 - 11.6]
Other endocrine glands (194)	0	0.18	0.00	[0.00 - 20.4]
Ill defined (195,199)	2	5.1	0.39	[0.05 - 1.42]
Lymphatic & hematopoeitic tissue (200-208)	9	9.2	0.98	[0.45 - 1.86]
Non-Hodgkins lymphoma (200,202)	1	2.81	0.36	[0.01 - 1.98]
Hodgkins disease (201)	0	0.99	0.00	[0.00 - 3.73]
Multiple myeloma (203)	1	1.65	0.61	[0.02 - 3.38]
Leukemia & aleukemia (204-208)	7	3.66	1.91	[0.77 - 3.94]
Lymphoid leukemia (204)	0	0.81	0.00	[0.00 - 4.55]
Myeloid leukemia (205)	2	1.76	1.14	[0.14 - 4.11]
BENIGN NEOPLASMS (210-239)	1	1.9	0.53	[0.01 - 2.93]
DIS. OF ENDOCRINE SYSTEM & BLOOD (240-289)	6	7.46	0.80	[0.30 - 1.75]
MENTAL DISORDERS (290-319)	2	5.26	0.38	[0.05 - 1.37]
DIS. OF NERVOUS SYSTEM (320-389)	4	6.53	0.61	[0.17 - 1.57]
DIS. OF CIRCULATORY SYSTEM (390-459)	110	152.62	0.72	[0.59 - 0.87]
Hypertension (401-405)	5	3.38	1.48	[0.48 - 3.45]
Ischaemic heart disease (410-414)	65	97	0.67	[0.52 - 0.85]
Cerebrovascular (430-438)	22	26.95	0.82	[0.51 - 1.24]
Other heart diseases (4150,4152-4299)	9	13.64	0.66	[0.30 - 1.25]
DIS. OF RESPIRATORY SYSTEM (460-519)	11	20.9	0.53	[0.26 - 0.94]
Influenza (487)	0	0.51	0.00	[0.00 - 7.17]
Pneumonia (480-486)	2	8.26	0.24	[0.03 - 0.88]
Bronchitis,emphysema & asthma (490-493)	6	7.19	0.83	[0.31 - 1.82]
Pneumoconioses (500-508)	0	0.37	0.00	[0.00 - 10.0]
DIS. OF DIGESTIVE SYSTEM (520-579)	14	15.17	0.92	[0.50 - 1.55]
Liver cirrhosis (571)	7	7.09	0.99	[0.40 - 2.03]
DIS. OF GENITO-URINARY SYSTEM (580-629)	3	4.38	0.68	[0.14 - 2.00]
Nephritis & nephrosis (580-589)	0	2.29	0.00	[0.00 - 1.61]
DIS. OF THE SKIN (680-739)	2	1.65	1.21	[0.15 - 4.38]
SYMPTOMS AND ILL-DEFINED CONDITIONS (780-799)	9	12.88	0.70	[0.32 - 1.33]
EXTERNAL CAUSES (E800-999)	31	52.63	0.59	[0.40 - 0.84]
Traffic accident (E810-819)	9	11.15	0.81	[0.37 - 1.53]
Suicide (E950-959)	10	15.73	0.64	[0.30 - 1.17]
Homicide (E960-969)	0	2.2	0.00	[0.00 - 1.68]
Other external causes (E800-807,E820-949,E970-999)	12	23.55	0.51	[0.26 - 0.89]
UNKNOWN CAUSES	1			
OTHER CAUSES	12			

Table 2.9.45
Mortality by cause

TOTAL COHORT
Ever employment in department 507 (office)

Causes of death (ICD 9th.revision)	Observed	Expected	SMR	95% Confidence intervals
ALL CAUSES	606	991.87	0.61	[0.56 - 0.66]
ALL MALIGNANT NEOPLASMS (140-208)	181	260.35	0.70	[0.60 - 0.80]
Oral cavity & pharynx (140-149)	3	7.91	0.38	[0.08 - 1.11]
Oral cavity (141,143-145)	3	2.88	1.04	[0.21 - 3.04]
Nasopharynx (147)	0	0.43	0.00	[0.00 - 8.59]
Oesophagus (150)	0	7.55	0.00	[0.00 - 0.49]
Stomach (151)	16	22.45	0.71	[0.41 - 1.16]
Colon (153)	8	17.38	0.46	[0.20 - 0.91]
Rectum (154)	6	10.63	0.56	[0.21 - 1.23]
Liver (155)	3	8.31	0.36	[0.07 - 1.06]
Gallbladder (156)	1	2.3	0.44	[0.01 - 2.42]
Pancreas (157)	7	11.86	0.59	[0.24 - 1.22]
Peritoneum and other unspecified organs(158-159)	2	1.58	1.26	[0.15 - 4.57]
Nose & sinuses (160)	1	1.19	0.84	[0.02 - 4.67]
Larynx (161)	2	4.45	0.45	[0.05 - 1.62]
Lung (162)	37	53.57	0.69	[0.49 - 0.95]
Pleura (163)	3	0.98	3.08	[0.63 - 8.99]
Other respiratory organs (164-165)	0	0.65	0.00	[0.00 - 5.68]
Bone (170)	3	1.31	2.29	[0.47 - 6.70]
Soft tissue (171)	2	1.14	1.76	[0.21 - 6.36]
Melanoma (172)	0	4.62	0.00	[0.00 - 0.80]
Other skin (173)	0	0.66	0.00	[0.00 - 5.60]
Breast (174-175)	13	13.35	0.97	[0.52 - 1.67]
Cervix uteri (180)	5	3.91	1.28	[0.41 - 2.98]
Corpus uteri & uterus unspecified (179,181-182)	3	2.06	1.46	[0.30 - 4.26]
Ovary (183)	4	4.84	0.83	[0.23 - 2.12]
Other female genital organs (184)	1	0.37	2.73	[0.07 - 15.2]
Prostate (185)	13	14.79	0.88	[0.47 - 1.50]
Testis (186)	1	1.07	0.94	[0.02 - 5.22]
Other male genital organs (187)	0	0.22	0.00	[0.00 - 17.0]
Bladder (188)	7	6.6	1.06	[0.43 - 2.18]
Kidney (189)	4	6.32	0.63	[0.17 - 1.62]
Eye (190)	1	0.33	3.04	[0.08 - 16.9]
Brain (191-192)	7	8.08	0.87	[0.35 - 1.79]
Thyroid (193)	1	0.71	1.41	[0.04 - 7.85]
Other endocrine glands (194)	0	0.37	0.00	[0.00 - 9.93]
Ill defined (195,199)	10	12.36	0.81	[0.39 - 1.49]
Lymphatic & hematopoeitic tissue (200-208)	16	21.17	0.76	[0.43 - 1.23]
Non-Hodgkins lymphoma (200,202)	6	6.07	0.99	[0.36 - 2.15]
Hodgkins disease (201)	1	1.94	0.52	[0.01 - 2.88]
Multiple myeloma (203)	5	3.58	1.40	[0.45 - 3.26]
Leukemia & aleukemia (204-208)	4	8.84	0.45	[0.12 - 1.16]
Lymphoid leukemia (204)	1	1.86	0.54	[0.01 - 3.00]
Myeloid leukemia (205)	0	3.86	0.00	[0.00 - 0.96]
BENIGN NEOPLASMS (210-239)	2	5.19	0.39	[0.05 - 1.39]
DIS. OF ENDOCRINE SYSTEM & BLOOD (240-289)	13	19.75	0.66	[0.35 - 1.13]
MENTAL DISORDERS (290-319)	5	12.08	0.41	[0.13 - 0.97]
DIS. OF NERVOUS SYSTEM (320-389)	10	15.55	0.64	[0.31 - 1.18]
DIS. OF CIRCULATORY SYSTEM (390-459)	249	378.83	0.66	[0.58 - 0.74]
Hypertension (401-405)	6	10.16	0.59	[0.22 - 1.29]
Ischaemic heart disease (410-414)	142	214.06	0.66	[0.56 - 0.78]
Cerebrovascular (430-438)	55	74.98	0.73	[0.55 - 0.95]
Other heart diseases (4150,4152-4299)	23	44.31	0.52	[0.33 - 0.78]
DIS. OF RESPIRATORY SYSTEM (460-519)	21	55.93	0.38	[0.23 - 0.57]
Influenza (487)	0	1.34	0.00	[0.00 - 2.74]
Pneumonia (480-486)	8	22.2	0.36	[0.16 - 0.71]
Bronchitis,emphysema & asthma (490-493)	6	18.28	0.33	[0.12 - 0.71]
Pneumoconioses (500-508)	0	1.16	0.00	[0.00 - 3.17]
DIS. OF DIGESTIVE SYSTEM (520-579)	21	45.5	0.46	[0.29 - 0.71]
Liver cirrhosis (571)	10	23.03	0.43	[0.21 - 0.80]
DIS. OF GENITO-URINARY SYSTEM (580-629)	10	12.13	0.82	[0.40 - 1.52]
Nephritis & nephrosis (580-589)	7	6.68	1.05	[0.42 - 2.16]
DIS. OF THE SKIN (680-739)	2	3.94	0.51	[0.06 - 1.83]
SYMPTOMS AND ILL-DEFINED CONDITIONS (780-799)	15	39.2	0.38	[0.21 - 0.63]
EXTERNAL CAUSES (E800-999)	51	126.76	0.40	[0.30 - 0.53]
Traffic accident (E810-819)	10	27.56	0.36	[0.17 - 0.67]
Suicide (E950-959)	19	35.31	0.54	[0.32 - 0.84]
Homicide (E960-969)	1	7.62	0.13	[0.00 - 0.73]
Other external causes (E800-807,E820-949,E970-999)	21	56.28	0.37	[0.23 - 0.57]
UNKNOWN CAUSES	2			
OTHER CAUSES	24			

Table 2.9.46
Mortality by cause

TOTAL COHORT
Ever employment in department 508 (construction)

Causes of death (ICD 9th.revision)	Observed	Expected	SMR	95% Confidence intervals
ALL CAUSES	2443	2842.27	0.86	[0.83 - 0.89]
ALL MALIGNANT NEOPLASMS (140-208)	515	616.97	0.83	[0.76 - 0.91]
Oral cavity & pharynx (140-149)	8	11.2	0.71	[0.31 - 1.41]
Oral cavity (141,143-145)	5	4.43	1.13	[0.37 - 2.63]
Nasopharynx (147)	1	0.81	1.23	[0.03 - 6.87]
Oesophagus (150)	8	13.81	0.58	[0.25 - 1.14]
Stomach (151)	51	76.32	0.67	[0.50 - 0.88]
Colon (153)	29	34.9	0.83	[0.56 - 1.19]
Rectum (154)	15	25.81	0.58	[0.33 - 0.96]
Liver (155)	8	11.25	0.71	[0.31 - 1.40]
Gallbladder (156)	2	5.96	0.34	[0.04 - 1.21]
Pancreas (157)	25	34.12	0.73	[0.47 - 1.08]
Peritoneum and other unspecified organs(158-159)	2	3.7	0.54	[0.07 - 1.95]
Nose & sinuses (160)	1	1.72	0.58	[0.01 - 3.25]
Larynx (161)	6	6.72	0.89	[0.33 - 1.94]
Lung (162)	158	157.66	1.00	[0.85 - 1.17]
Pleura (163)	6	2.36	2.55	[0.93 - 5.54]
Other respiratory organs (164-165)	2	1.58	1.26	[0.15 - 4.57]
Bone (170)	0	2.17	0.00	[0.00 - 1.70]
Soft tissue (171)	2	2.45	0.82	[0.10 - 2.95]
Melanoma (172)	8	7.7	1.04	[0.45 - 2.05]
Other skin (173)	1	1.96	0.51	[0.01 - 2.85]
Breast (174-175)	9	6.78	1.33	[0.61 - 2.52]
Cervix uteri (180)	2	1.57	1.28	[0.15 - 4.61]
Corpus uteri & uterus unspecified (179,181-182)	1	1.61	0.62	[0.02 - 3.47]
Ovary (183)	1	2.76	0.36	[0.01 - 2.02]
Other female genital organs (184)	2	0.42	4.78	[0.58 - 17.3]
Prostate (185)	47	63.66	0.74	[0.54 - 0.98]
Testis (186)	0	1.71	0.00	[0.00 - 2.15]
Other male genital organs (187)	1	0.69	1.46	[0.04 - 8.11]
Bladder (188)	18	19.78	0.91	[0.54 - 1.44]
Kidney (189)	17	17.73	0.96	[0.56 - 1.53]
Eye (190)	0	1.02	0.00	[0.00 - 3.61]
Brain (191-192)	13	14.07	0.92	[0.49 - 1.58]
Thyroid (193)	1	2.05	0.49	[0.01 - 2.72]
Other endocrine glands (194)	1	0.86	1.16	[0.03 - 6.47]
Ill defined (195,199)	13	23.31	0.56	[0.30 - 0.95]
Lymphatic & hematopoietic tissue (200-208)	45	50.14	0.90	[0.65 - 1.20]
Non-Hodgkins lymphoma (200,202)	12	14.73	0.81	[0.42 - 1.42]
Hodgkins disease (201)	4	4.65	0.86	[0.23 - 2.20]
Multiple myeloma (203)	14	10.61	1.32	[0.72 - 2.21]
Leukemia & aleukemia (204-208)	15	19.74	0.76	[0.43 - 1.25]
Lymphoid leukemia (204)	2	5.37	0.37	[0.05 - 1.34]
Myeloid leukemia (205)	1	7.42	0.13	[0.00 - 0.75]
BENIGN NEOPLASMS (210-239)	7	11.56	0.61	[0.24 - 1.25]
DIS. OF ENDOCRINE SYSTEM & BLOOD (240-289)	27	38.71	0.70	[0.46 - 1.01]
MENTAL DISORDERS (290-319)	12	33.73	0.36	[0.18 - 0.62]
DIS. OF NERVOUS SYSTEM (320-389)	36	35.89	1.00	[0.70 - 1.39]
DIS. OF CIRCULATORY SYSTEM (390-459)	1277	1407.05	0.91	[0.86 - 0.96]
Hypertension (401-405)	25	31.17	0.80	[0.52 - 1.18]
Ischaemic heart disease (410-414)	772	881.48	0.88	[0.82 - 0.94]
Cerebrovascular (430-438)	206	280.08	0.74	[0.64 - 0.84]
Other heart diseases (4150,4152-4299)	92	112.5	0.82	[0.66 - 1.00]
DIS. OF RESPIRATORY SYSTEM (460-519)	173	204.85	0.84	[0.72 - 0.98]
Influenza (487)	7	7.76	0.90	[0.36 - 1.86]
Pneumonia (480-486)	82	102.42	0.80	[0.64 - 0.99]
Bronchitis,emphysema & asthma (490-493)	57	69.58	0.82	[0.62 - 1.06]
Pneumoconioses (500-508)	2	1.8	1.11	[0.13 - 4.02]
DIS. OF DIGESTIVE SYSTEM (520-579)	63	85.57	0.74	[0.57 - 0.94]
Liver cirrhosis (571)	19	21.56	0.88	[0.53 - 1.38]
DIS. OF GENITO-URINARY SYSTEM (580-629)	28	42.88	0.65	[0.43 - 0.94]
Nephritis & nephrosis (580-589)	10	17.87	0.56	[0.27 - 1.03]
DIS. OF THE SKIN (680-739)	10	9.65	1.04	[0.50 - 1.91]
SYMPTOMS AND ILL-DEFINED CONDITIONS (780-799)	56	63.95	0.88	[0.66 - 1.14]
EXTERNAL CAUSES (E800-999)	197	244.72	0.81	[0.70 - 0.93]
Traffic accident (E810-819)	22	42.19	0.52	[0.33 - 0.79]
Suicide (E950-959)	39	69.83	0.56	[0.40 - 0.76]
Homicide (E960-969)	5	6.64	0.75	[0.24 - 1.76]
Other external causes (E800-807,E820-949,E970-999)	131	126.06	1.04	[0.87 - 1.23]
UNKNOWN CAUSES	4			
OTHER CAUSES	38			

Table 2.9.47
Mortality by cause

TOTAL COHORT
Ever employment in department 509 (engineering)

Causes of death (ICD 9th.revision)	Observed	Expected	SMR	95% Confidence intervals
ALL CAUSES	129	271.31	0.48	[0.40 - 0.56]
ALL MALIGNANT NEOPLASMS (140-208)	32	55.96	0.57	[0.39 - 0.81]
Oral cavity & pharynx (140-149)	2	1.63	1.22	[0.15 - 4.42]
Oral cavity (141,143-145)	1	0.29	3.45	[0.09 - 19.2]
Nasopharynx (147)	0	0.06	0.00	[0.00 - 63.8]
Oesophagus (150)	1	1.27	0.79	[0.02 - 4.38]
Stomach (151)	0	5.92	0.00	[0.00 - 0.62]
Colon (153)	2	2.61	0.77	[0.09 - 2.77]
Rectum (154)	2	2.16	0.93	[0.11 - 3.35]
Liver (155)	0	1.74	0.00	[0.00 - 2.12]
Gallbladder (156)	1	0.24	4.18	[0.10 - 23.3]
Pancreas (157)	2	2.51	0.80	[0.10 - 2.88]
Peritoneum and other unspecified organs(158-159)	0	0.15	0.00	[0.00 - 24.9]
Nose & sinuses (160)	0	0.1	0.00	[0.00 - 37.8]
Larynx (161)	1	1.34	0.75	[0.02 - 4.17]
Lung (162)	10	15.17	0.66	[0.32 - 1.21]
Pleura (163)	0	0.16	0.00	[0.00 - 23.6]
Other respiratory organs (164-165)	0	0.09	0.00	[0.00 - 39.2]
Bone (170)	0	0.48	0.00	[0.00 - 7.71]
Soft tissue (171)	0	0.16	0.00	[0.00 - 22.8]
Melanoma (172)	0	0.97	0.00	[0.00 - 3.79]
Other skin (173)	0	0.16	0.00	[0.00 - 22.7]
Breast (174-175)	1	0.71	1.41	[0.04 - 7.86]
Cervix uteri (180)	0	0.49	0.00	[0.00 - 7.46]
Corpus uteri & uterus unspecified (179,181-182)	0	0.12	0.00	[0.00 - 30.2]
Ovary (183)	0	0.24	0.00	[0.00 - 15.3]
Other female genital organs (184)	0	-	-	-
Prostate (185)	1	2.91	0.34	[0.01 - 1.92]
Testis (186)	1	0.39	2.55	[0.06 - 14.2]
Other male genital organs (187)	0	0.04	0.00	[0.00 - 95.3]
Bladder (188)	1	1.29	0.77	[0.02 - 4.31]
Kidney (189)	0	0.98	0.00	[0.00 - 3.76]
Eye (190)	0	0.05	0.00	[0.00 - 71.1]
Brain (191-192)	1	2.17	0.46	[0.01 - 2.57]
Thyroid (193)	0	0.08	0.00	[0.00 - 43.9]
Other endocrine glands (194)	0	0.05	0.00	[0.00 - 68.0]
Ill defined (195,199)	0	1.25	0.00	[0.00 - 2.94]
Lymphatic & hematopoietic tissue (200-208)	5	4.88	1.02	[0.33 - 2.39]
Non-Hodgkins lymphoma (200,202)	2	0.89	2.25	[0.27 - 8.14]
Hodgkins disease (201)	1	0.69	1.45	[0.04 - 8.09]
Multiple myeloma (203)	1	0.5	2.01	[0.05 - 11.2]
Leukemia & aleukemia (204-208)	1	2.09	0.48	[0.01 - 2.67]
Lymphoid leukemia (204)	1	0.29	3.46	[0.09 - 19.3]
Myeloid leukemia (205)	0	0.59	0.00	[0.00 - 6.24]
BENIGN NEOPLASMS (210-239)	0	1.04	0.00	[0.00 - 3.56]
DIS. OF ENDOCRINE SYSTEM & BLOOD (240-289)	1	4	0.25	[0.01 - 1.39]
MENTAL DISORDERS (290-319)	0	2.98	0.00	[0.00 - 1.24]
DIS. OF NERVOUS SYSTEM (320-389)	1	4.25	0.24	[0.01 - 1.31]
DIS. OF CIRCULATORY SYSTEM (390-459)	51	102.21	0.50	[0.37 - 0.66]
Hypertension (401-405)	3	3.21	0.93	[0.19 - 2.73]
Ischaemic heart disease (410-414)	24	56.99	0.42	[0.27 - 0.63]
Cerebrovascular (430-438)	10	15.87	0.63	[0.30 - 1.16]
Other heart diseases (4150,4152-4299)	8	12.9	0.62	[0.27 - 1.22]
DIS. OF RESPIRATORY SYSTEM (460-519)	3	11.95	0.25	[0.05 - 0.73]
Influenza (487)	0	0.27	0.00	[0.00 - 13.7]
Pneumonia (480-486)	1	4.95	0.20	[0.01 - 1.13]
Bronchitis,emphysema & asthma (490-493)	2	4.77	0.42	[0.05 - 1.51]
Pneumoconioses (500-508)	0	0.17	0.00	[0.00 - 21.5]
DIS. OF DIGESTIVE SYSTEM (520-579)	5	10.43	0.48	[0.16 - 1.12]
Liver cirrhosis (571)	0	4.42	0.00	[0.00 - 0.84]
DIS. OF GENITO-URINARY SYSTEM (580-629)	2	3.64	0.55	[0.07 - 1.98]
Nephritis & nephrosis (580-589)	0	2.36	0.00	[0.00 - 1.56]
DIS. OF THE SKIN (680-739)	0	0.81	0.00	[0.00 - 4.56]
SYMPTOMS AND ILL-DEFINED CONDITIONS (780-799)	10	11.62	0.86	[0.41 - 1.58]
EXTERNAL CAUSES (E800-999)	19	57.73	0.33	[0.20 - 0.51]
Traffic accident (E810-819)	4	9.1	0.44	[0.12 - 1.13]
Suicide (E950-959)	4	14.65	0.27	[0.07 - 0.70]
Homicide (E960-969)	0	1.64	0.00	[0.00 - 2.25]
Other external causes (E800-807,E820-949,E970-999)	11	32.34	0.34	[0.17 - 0.61]
UNKNOWN CAUSES	0			
OTHER CAUSES	5			

Table 2.9.48
Mortality by cause

TOTAL COHORT
Ever employment in department 510 (security)

Causes of death (ICD 9th.revision)	Observed	Expected	SMR	95% Confidence intervals
ALL CAUSES	289	411.22	0.70	[0.62 - 0.79]
ALL MALIGNANT NEOPLASMS (140-208)	77	88.48	0.87	[0.69 - 1.09]
Oral cavity & pharynx (140-149)	2	2.15	0.93	[0.11 - 3.37]
Oral cavity (141,143-145)	2	0.65	3.08	[0.37 - 11.1]
Nasopharynx (147)	0	0.09	0.00	[0.00 - 39.0]
Oesophagus (150)	4	2.47	1.62	[0.44 - 4.14]
Stomach (151)	2	10.23	0.20	[0.02 - 0.71]
Colon (153)	4	4.69	0.85	[0.23 - 2.18]
Rectum (154)	4	3.37	1.19	[0.32 - 3.04]
Liver (155)	0	2.19	0.00	[0.00 - 1.69]
Gallbladder (156)	1	0.66	1.51	[0.04 - 8.41]
Pancreas (157)	1	4.21	0.24	[0.01 - 1.32]
Peritoneum and other unspecified organs(158-159)	0	0.59	0.00	[0.00 - 6.24]
Nose & sinuses (160)	0	0.26	0.00	[0.00 - 14.3]
Larynx (161)	2	1.6	1.25	[0.15 - 4.51]
Lung (162)	26	25.4	1.02	[0.67 - 1.50]
Pleura (163)	0	0.28	0.00	[0.00 - 13.2]
Other respiratory organs (164-165)	1	0.22	4.54	[0.11 - 25.3]
Bone (170)	0	0.41	0.00	[0.00 - 9.10]
Soft tissue (171)	0	0.28	0.00	[0.00 - 13.3]
Melanoma (172)	1	0.91	1.09	[0.03 - 6.09]
Other skin (173)	0	0.29	0.00	[0.00 - 12.6]
Breast (174-175)	0	0.39	0.00	[0.00 - 9.34]
Cervix uteri (180)	1	0.14	7.03	[0.18 - 39.2]
Corpus uteri & uterus unspecified (179,181-182)	0	0.07	0.00	[0.00 - 56.5]
Ovary (183)	0	0.13	0.00	[0.00 - 29.0]
Other female genital organs (184)	0	0.01	0.00	[0.00 - 0378]
Prostate (185)	11	8.63	1.27	[0.64 - 2.28]
Testis (186)	0	0.22	0.00	[0.00 - 16.7]
Other male genital organs (187)	0	0.08	0.00	[0.00 - 44.5]
Bladder (188)	4	2.83	1.42	[0.39 - 3.62]
Kidney (189)	3	1.95	1.54	[0.32 - 4.49]
Eye (190)	0	0.11	0.00	[0.00 - 32.9]
Brain (191-192)	3	1.68	1.79	[0.37 - 5.23]
Thyroid (193)	0	0.21	0.00	[0.00 - 17.7]
Other endocrine glands (194)	0	0.1	0.00	[0.00 - 37.4]
Ill defined (195,199)	3	2.78	1.08	[0.22 - 3.15]
Lymphatic & hematopoeitic tissue (200-208)	3	6.48	0.46	[0.10 - 1.35]
Non-Hodgkins lymphoma (200,202)	0	1.7	0.00	[0.00 - 2.17]
Hodgkins disease (201)	0	0.57	0.00	[0.00 - 6.52]
Multiple myeloma (203)	2	1.17	1.71	[0.21 - 6.18]
Leukemia & aleukemia (204-208)	1	2.68	0.37	[0.01 - 2.08]
Lymphoid leukemia (204)	0	0.71	0.00	[0.00 - 5.21]
Myeloid leukemia (205)	0	0.9	0.00	[0.00 - 4.08]
BENIGN NEOPLASMS (210-239)	0	1.61	0.00	[0.00 - 2.29]
DIS. OF ENDOCRINE SYSTEM & BLOOD (240-289)	0	5.92	0.00	[0.00 - 0.62]
MENTAL DISORDERS (290-319)	4	4.79	0.83	[0.23 - 2.14]
DIS. OF NERVOUS SYSTEM (320-389)	6	4.8	1.25	[0.46 - 2.72]
DIS. OF CIRCULATORY SYSTEM (390-459)	134	193.92	0.69	[0.58 - 0.82]
Hypertension (401-405)	1	4.64	0.22	[0.01 - 1.20]
Ischaemic heart disease (410-414)	81	114.59	0.71	[0.56 - 0.88]
Cerebrovascular (430-438)	17	38.51	0.44	[0.26 - 0.71]
Other heart diseases (4150,4152-4299)	14	19.39	0.72	[0.39 - 1.21]
DIS. OF RESPIRATORY SYSTEM (460-519)	20	31.96	0.63	[0.38 - 0.97]
Influenza (487)	0	1.04	0.00	[0.00 - 3.55]
Pneumonia (480-486)	4	14.79	0.27	[0.07 - 0.69]
Bronchitis,empysema & asthma (490-493)	10	10.93	0.91	[0.44 - 1.68]
Pneumoconioses (500-508)	0	0.4	0.00	[0.00 - 9.14]
DIS. OF DIGESTIVE SYSTEM (520-579)	9	14.53	0.62	[0.28 - 1.18]
Liver cirrhosis (571)	5	4.92	1.02	[0.33 - 2.37]
DIS. OF GENITO-URINARY SYSTEM (580-629)	5	6.01	0.83	[0.27 - 1.94]
Nephritis & nephrosis (580-589)	2	2.79	0.72	[0.09 - 2.59]
DIS. OF THE SKIN (680-739)	2	1.18	1.70	[0.21 - 6.15]
SYMPTOMS AND ILL-DEFINED CONDITIONS (780-799)	2	12.1	0.17	[0.02 - 0.60]
EXTERNAL CAUSES (E800-999)	19	38.46	0.49	[0.30 - 0.77]
Traffic accident (E810-819)	2	7.46	0.27	[0.03 - 0.97]
Suicide (E950-959)	6	9.25	0.65	[0.24 - 1.41]
Homicide (E960-969)	0	2.35	0.00	[0.00 - 1.57]
Other external causes (E800-807,E820-949,E970-999)	11	19.4	0.57	[0.28 - 1.01]
UNKNOWN CAUSES	2			
OTHER CAUSES	9			

Table 2.9.49
Mortality by cause

TOTAL COHORT
Ever employment in department 598 (non-production, other)

Causes of death (ICD 9th.revision)	Observed	Expected	SMR	95% Confidence intervals
ALL CAUSES	693	768.45	0.90	[0.84 - 0.97]
ALL MALIGNANT NEOPLASMS (140-208)	179	190.4	0.94	[0.81 - 1.09]
Oral cavity & pharynx (140-149)	4	3.39	1.18	[0.32 - 3.02]
Oral cavity (141,143-145)	3	1.34	2.23	[0.46 - 6.52]
Nasopharynx (147)	0	0.24	0.00	[0.00 - 15.4]
Oesophagus (150)	2	3.5	0.57	[0.07 - 2.06]
Stomach (151)	17	18.39	0.92	[0.54 - 1.48]
Colon (153)	14	13.79	1.02	[0.55 - 1.70]
Rectum (154)	4	8.92	0.45	[0.12 - 1.15]
Liver (155)	2	3.22	0.62	[0.08 - 2.25]
Gallbladder (156)	0	1.84	0.00	[0.00 - 2.00]
Pancreas (157)	11	10.06	1.09	[0.55 - 1.96]
Peritoneum and other unspecified organs(158-159)	0	0.52	0.00	[0.00 - 7.12]
Nose & sinuses (160)	0	0.44	0.00	[0.00 - 8.37]
Larynx (161)	0	1.61	0.00	[0.00 - 2.30]
Lung (162)	43	34.5	1.25	[0.90 - 1.68]
Pleura (163)	0	0.6	0.00	[0.00 - 6.12]
Other respiratory organs (164-165)	2	0.28	7.27	[0.88 - 26.2]
Bone (170)	1	0.65	1.54	[0.04 - 8.57]
Soft tissue (171)	1	0.83	1.21	[0.03 - 6.73]
Melanoma (172)	2	3.12	0.64	[0.08 - 2.31]
Other skin (173)	1	0.5	2.00	[0.05 - 11.1]
Breast (174-175)	14	12.77	1.10	[0.60 - 1.84]
Cervix uteri (180)	3	3.38	0.89	[0.18 - 2.60]
Corpus uteri & uterus unspecified (179,181-182)	2	2.07	0.97	[0.12 - 3.49]
Ovary (183)	4	5.45	0.73	[0.20 - 1.88]
Other female genital organs (184)	0	0.52	0.00	[0.00 - 7.14]
Prostate (185)	14	13.17	1.06	[0.58 - 1.78]
Testis (186)	1	0.65	1.54	[0.04 - 8.59]
Other male genital organs (187)	0	0.16	0.00	[0.00 - 23.6]
Bladder (188)	3	5.59	0.54	[0.11 - 1.57]
Kidney (189)	5	5.11	0.98	[0.32 - 2.28]
Eye (190)	0	0.32	0.00	[0.00 - 11.5]
Brain (191-192)	3	5.43	0.55	[0.11 - 1.61]
Thyroid (193)	0	0.71	0.00	[0.00 - 5.21]
Other endocrine glands (194)	0	0.26	0.00	[0.00 - 14.4]
Ill defined (195,199)	11	9.62	1.14	[0.57 - 2.05]
Lymphatic & hematopoeitic tissue (200-208)	12	16.03	0.75	[0.39 - 1.31]
Non-Hodgkins lymphoma (200,202)	3	4.51	0.67	[0.14 - 1.95]
Hodgkins disease (201)	2	1.39	1.44	[0.17 - 5.19]
Multiple myeloma (203)	3	3.45	0.87	[0.18 - 2.54]
Leukemia & aleukemia (204-208)	4	6.29	0.64	[0.17 - 1.63]
Lymphoid leukemia (204)	0	1.39	0.00	[0.00 - 2.65]
Myeloid leukemia (205)	3	2.59	1.16	[0.24 - 3.39]
BENIGN NEOPLASMS (210-239)	2	3.75	0.53	[0.06 - 1.93]
DIS. OF ENDOCRINE SYSTEM & BLOOD (240-289)	14	13	1.08	[0.59 - 1.81]
MENTAL DISORDERS (290-319)	4	8.33	0.48	[0.13 - 1.23]
DIS. OF NERVOUS SYSTEM (320-389)	6	11.66	0.51	[0.19 - 1.12]
DIS. OF CIRCULATORY SYSTEM (390-459)	313	348.94	0.90	[0.80 - 1.00]
Hypertension (401-405)	9	9.49	0.95	[0.43 - 1.80]
Ischaemic heart disease (410-414)	204	205.19	0.99	[0.86 - 1.14]
Cerebrovascular (430-438)	58	73.52	0.79	[0.60 - 1.02]
Other heart diseases (4150,4152-4299)	22	31.16	0.71	[0.44 - 1.07]
DIS. OF RESPIRATORY SYSTEM (460-519)	43	49.52	0.87	[0.63 - 1.17]
Influenza (487)	2	1.58	1.27	[0.15 - 4.58]
Pneumonia (480-486)	14	24.24	0.58	[0.32 - 0.97]
Bronchitis,emphysema & asthma (490-493)	19	16.28	1.17	[0.70 - 1.82]
Pneumoconioses (500-508)	0	0.41	0.00	[0.00 - 9.04]
DIS. OF DIGESTIVE SYSTEM (520-579)	24	24.48	0.98	[0.63 - 1.46]
Liver cirrhosis (571)	9	7.21	1.25	[0.57 - 2.37]
DIS. OF GENITO-URINARY SYSTEM (580-629)	5	11.29	0.44	[0.14 - 1.03]
Nephritis & nephrosis (580-589)	1	4.64	0.22	[0.01 - 1.20]
DIS. OF THE SKIN (680-739)	3	3.81	0.79	[0.16 - 2.30]
SYMPTOMS AND ILL-DEFINED CONDITIONS (780-799)	24	28.82	0.83	[0.53 - 1.24]
EXTERNAL CAUSES (E800-999)	60	63.72	0.94	[0.72 - 1.21]
Traffic accident (E810-819)	9	12.02	0.75	[0.34 - 1.42]
Suicide (E950-959)	17	16.51	1.03	[0.60 - 1.65]
Homicide (E960-969)	3	2.45	1.23	[0.25 - 3.58]
Other external causes (E800-807,E820-949,E970-999)	31	32.75	0.95	[0.64 - 1.34]
UNKNOWN CAUSES	0			
OTHER CAUSES	16			

Table 2.9.50
Mortality by cause

TOTAL COHORT
Ever employment in department 599 (non-production, unknown)

Causes of death (ICD 9th.revision)	Observed	Expected	SMR	95% Confidence intervals
ALL CAUSES	177	168.03	1.05	[0.90 - 1.22]
ALL MALIGNANT NEOPLASMS (140-208)	38	41.08	0.92	[0.65 - 1.27]
Oral cavity & pharynx (140-149)	0	1.25	0.00	[0.00 - 2.96]
Oral cavity (141,143-145)	0	0.52	0.00	[0.00 - 7.13]
Nasopharynx (147)	0	0.07	0.00	[0.00 - 55.3]
Oesophagus (150)	0	1.25	0.00	[0.00 - 2.96]
Stomach (151)	4	4.18	0.96	[0.26 - 2.45]
Colon (153)	2	2.94	0.68	[0.08 - 2.46]
Rectum (154)	1	1.88	0.53	[0.01 - 2.97]
Liver (155)	2	0.76	2.63	[0.32 - 9.49]
Gallbladder (156)	0	0.29	0.00	[0.00 - 12.7]
Pancreas (157)	4	2.06	1.95	[0.53 - 4.98]
Peritoneum and other unspecified organs(158-159)	0	0.23	0.00	[0.00 - 16.4]
Nose & sinuses (160)	0	0.2	0.00	[0.00 - 18.7]
Larynx (161)	2	0.72	2.77	[0.33 - 10.0]
Lung (162)	6	8.8	0.68	[0.25 - 1.48]
Pleura (163)	0	0.16	0.00	[0.00 - 23.3]
Other respiratory organs (164-165)	2	0.09	22.10	[2.68 - 80.0]
Bone (170)	0	0.16	0.00	[0.00 - 23.7]
Soft tissue (171)	0	0.16	0.00	[0.00 - 22.5]
Melanoma (172)	0	0.54	0.00	[0.00 - 6.87]
Other skin (173)	0	0.14	0.00	[0.00 - 27.0]
Breast (174-175)	2	0.59	3.37	[0.41 - 12.2]
Cervix uteri (180)	0	0.13	0.00	[0.00 - 27.9]
Corpus uteri & uterus unspecified (179,181-182)	0	0.09	0.00	[0.00 - 41.2]
Ovary (183)	1	0.24	4.23	[0.11 - 23.6]
Other female genital organs (184)	0	0.03	0.00	[0.00 - 0145]
Prostate (185)	3	4.25	0.71	[0.15 - 2.06]
Testis (186)	1	0.15	6.65	[0.17 - 37.1]
Other male genital organs (187)	0	0.05	0.00	[0.00 - 69.5]
Bladder (188)	0	1.51	0.00	[0.00 - 2.44]
Kidney (189)	0	1.14	0.00	[0.00 - 3.24]
Eye (190)	0	0.06	0.00	[0.00 - 63.4]
Brain (191-192)	1	1.01	0.99	[0.02 - 5.49]
Thyroid (193)	0	0.12	0.00	[0.00 - 30.7]
Other endocrine glands (194)	0	0.05	0.00	[0.00 - 79.5]
Ill defined (195,199)	4	2.36	1.69	[0.46 - 4.34]
Lymphatic & hematopoeitic tissue (200-208)	3	3.22	0.93	[0.19 - 2.72]
Non-Hodgkins lymphoma (200,202)	0	0.93	0.00	[0.00 - 3.97]
Hodgkins disease (201)	0	0.28	0.00	[0.00 - 13.2]
Multiple myeloma (203)	0	0.73	0.00	[0.00 - 5.06]
Leukemia & aleukemia (204-208)	3	1.29	2.33	[0.48 - 6.82]
Lymphoid leukemia (204)	0	0.32	0.00	[0.00 - 11.5]
Myeloid leukemia (205)	2	0.49	4.06	[0.49 - 14.7]
BENIGN NEOPLASMS (210-239)	0	0.84	0.00	[0.00 - 4.42]
DIS. OF ENDOCRINE SYSTEM & BLOOD (240-289)	1	2.67	0.37	[0.01 - 2.08]
MENTAL DISORDERS (290-319)	2	1.74	1.15	[0.14 - 4.16]
DIS. OF NERVOUS SYSTEM (320-389)	3	2.31	1.30	[0.27 - 3.80]
DIS. OF CIRCULATORY SYSTEM (390-459)	79	76.89	1.03	[0.81 - 1.28]
Hypertension (401-405)	2	1.74	1.15	[0.14 - 4.16]
Ischaemic heart disease (410-414)	50	46.09	1.08	[0.81 - 1.43]
Cerebrovascular (430-438)	13	16.46	0.79	[0.42 - 1.35]
Other heart diseases (4150,4152-4299)	5	6.79	0.74	[0.24 - 1.72]
DIS. OF RESPIRATORY SYSTEM (460-519)	12	12.93	0.93	[0.48 - 1.62]
Influenza (487)	0	0.39	0.00	[0.00 - 9.39]
Pneumonia (480-486)	6	6.47	0.93	[0.34 - 2.02]
Bronchitis,emphysema & asthma (490-493)	3	3.55	0.84	[0.17 - 2.47]
Pneumoconioses (500-508)	0	0.24	0.00	[0.00 - 15.2]
DIS. OF DIGESTIVE SYSTEM (520-579)	7	6.35	1.10	[0.44 - 2.27]
Liver cirrhosis (571)	3	2.38	1.26	[0.26 - 3.69]
DIS. OF GENITO-URINARY SYSTEM (580-629)	3	2.55	1.17	[0.24 - 3.43]
Nephritis & nephrosis (580-589)	2	1.04	1.92	[0.23 - 6.94]
DIS. OF THE SKIN (680-739)	0	0.6	0.00	[0.00 - 6.13]
SYMPTOMS AND ILL-DEFINED CONDITIONS (780-799)	4	5.83	0.69	[0.19 - 1.76]
EXTERNAL CAUSES (E800-999)	16	12.28	1.30	[0.74 - 2.12]
Traffic accident (E810-819)	4	2.47	1.62	[0.44 - 4.15]
Suicide (E950-959)	3	3.11	0.97	[0.20 - 2.82]
Homicide (E960-969)	0	0.19	0.00	[0.00 - 19.5]
Other external causes (E800-807,E820-949,E970-999)	9	6.51	1.38	[0.63 - 2.62]
UNKNOWN CAUSES	3			
OTHER CAUSES	9			

Table 2.9.51
Mortality by cause

TOTAL COHORT
Ever employment in department 999 (unknown)

Causes of death (ICD 9th.revision)	Observed	Expected	SMR	95% Confidence intervals
ALL CAUSES	2086	1972.38	1.06	[1.01 - 1.10]
ALL MALIGNANT NEOPLASMS (140-208)	537	525	1.02	[0.94 - 1.11]
Oral cavity & pharynx (140-149)	16	11.69	1.37	[0.78 - 2.22]
Oral cavity (141,143-145)	8	5.09	1.57	[0.68 - 3.10]
Nasopharynx (147)	1	0.95	1.05	[0.03 - 5.87]
Oesophagus (150)	9	12.07	0.75	[0.34 - 1.42]
Stomach (151)	28	44.16	0.63	[0.42 - 0.92]
Colon (153)	41	38.19	1.07	[0.77 - 1.46]
Rectum (154)	28	25.23	1.11	[0.74 - 1.60]
Liver (155)	11	13.32	0.83	[0.41 - 1.48]
Gallbladder (156)	9	4.93	1.83	[0.84 - 3.47]
Pancreas (157)	31	25.53	1.21	[0.82 - 1.72]
Peritoneum and other unspecified organs(158-159)	3	4.71	0.64	[0.13 - 1.86]
Nose & sinuses (160)	1	0.94	1.06	[0.03 - 5.90]
Larynx (161)	12	8.48	1.41	[0.73 - 2.47]
Lung (162)	159	141.05	1.13	[0.96 - 1.32]
Pleura (163)	6	2.36	2.54	[0.93 - 5.52]
Other respiratory organs (164-165)	3	1.87	1.61	[0.33 - 4.70]
Bone (170)	2	2.36	0.85	[0.10 - 3.06]
Soft tissue (171)	2	1.54	1.30	[0.16 - 4.68]
Melanoma (172)	6	6.51	0.92	[0.34 - 2.01]
Other skin (173)	1	1.52	0.66	[0.02 - 3.66]
Breast (174-175)	8	9.87	0.81	[0.35 - 1.60]
Cervix uteri (180)	0	2.45	0.00	[0.00 - 1.51]
Corpus uteri & uterus unspecified (179,181-182)	2	1.78	1.12	[0.14 - 4.06]
Ovary (183)	6	3.64	1.65	[0.60 - 3.59]
Other female genital organs (184)	1	0.33	3.01	[0.08 - 16.8]
Prostate (185)	39	39.27	0.99	[0.71 - 1.36]
Testis (186)	1	2.46	0.41	[0.01 - 2.27]
Other male genital organs (187)	1	0.71	1.41	[0.04 - 7.87]
Bladder (188)	23	22.24	1.03	[0.66 - 1.55]
Kidney (189)	10	14.57	0.69	[0.33 - 1.26]
Eye (190)	1	0.67	1.50	[0.04 - 8.33]
Brain (191-192)	9	13.87	0.65	[0.30 - 1.23]
Thyroid (193)	2	1.58	1.27	[0.15 - 4.58]
Other endocrine glands (194)	0	0.76	0.00	[0.00 - 4.83]
Ill defined (195,199)	17	19.91	0.85	[0.50 - 1.37]
Lymphatic & hematopoeitic tissue (200-208)	41	39.43	1.04	[0.75 - 1.41]
Non-Hodgkins lymphoma (200,202)	13	11.22	1.16	[0.62 - 1.98]
Hodgkins disease (201)	6	3.74	1.61	[0.59 - 3.49]
Multiple myeloma (203)	7	6.88	1.02	[0.41 - 2.09]
Leukemia & aleukemia (204-208)	15	17.57	0.85	[0.48 - 1.41]
Lymphoid leukemia (204)	6	5.1	1.18	[0.43 - 2.56]
Myeloid leukemia (205)	5	6.83	0.73	[0.24 - 1.71]
BENIGN NEOPLASMS (210-239)	8	9.97	0.80	[0.35 - 1.58]
DIS. OF ENDOCRINE SYSTEM & BLOOD (240-289)	38	39.97	0.95	[0.67 - 1.30]
MENTAL DISORDERS (290-319)	21	14.78	1.42	[0.88 - 2.17]
DIS. OF NERVOUS SYSTEM (320-389)	12	22.68	0.53	[0.27 - 0.92]
DIS. OF CIRCULATORY SYSTEM (390-459)	861	870.8	0.99	[0.92 - 1.06]
Hypertension (401-405)	18	18.96	0.95	[0.56 - 1.50]
Ischaemic heart disease (410-414)	536	539.64	0.99	[0.91 - 1.08]
Cerebrovascular (430-438)	148	162.5	0.91	[0.77 - 1.07]
Other heart diseases (4150,4152-4299)	79	78.09	1.01	[0.80 - 1.26]
DIS. OF RESPIRATORY SYSTEM (460-519)	133	128.41	1.04	[0.87 - 1.23]
Influenza (487)	5	4.6	1.09	[0.35 - 2.53]
Pneumonia (480-486)	30	39.26	0.76	[0.52 - 1.09]
Bronchitis,emphysema & asthma (490-493)	79	66.12	1.19	[0.95 - 1.49]
Pneumoconioses (500-508)	2	2.51	0.80	[0.10 - 2.87]
DIS. OF DIGESTIVE SYSTEM (520-579)	108	89.26	1.21	[0.99 - 1.46]
Liver cirrhosis (571)	62	41.14	1.51	[1.16 - 1.93]
DIS. OF GENITO-URINARY SYSTEM (580-629)	23	30.73	0.75	[0.47 - 1.12]
Nephritis & nephrosis (580-589)	5	7.9	0.63	[0.21 - 1.48]
DIS. OF THE SKIN (680-739)	8	5.03	1.59	[0.69 - 3.13]
SYMPTOMS AND ILL-DEFINED CONDITIONS (780-799)	92	49.65	1.85	[1.49 - 2.27]
EXTERNAL CAUSES (E800-999)	192	166.61	1.15	[1.00 - 1.33]
Traffic accident (E810-819)	33	43.78	0.75	[0.52 - 1.06]
Suicide (E950-959)	70	59.82	1.17	[0.91 - 1.48]
Homicide (E960-969)	7	3.93	1.78	[0.72 - 3.67]
Other external causes (E800-807,E820-949,E970-999)	82	59.08	1.39	[1.10 - 1.72]
UNKNOWN CAUSES	33			
OTHER CAUSES	20			

Table 2.10.1
Mortality by cause

TOTAL COHORT

Ever exposed to ACID (inorganic acid mist)

Causes of death (ICD 9th.revision)	Observed	Expected	SMR	95% Confidence intervals
ALL CAUSES	4832	5212.85	0.93	[0.90 - 0.95]
ALL MALIGNANT NEOPLASMS (140-208)	1198	1310.83	0.91	[0.86 - 0.97]
Oral cavity & pharynx (140-149)	18	34.14	0.53	[0.31 - 0.83]
Oral cavity (141,143-145)	7	13.88	0.50	[0.20 - 1.04]
Nasopharynx (147)	1	2.22	0.45	[0.01 - 2.51]
Oesophagus (150)	29	37.3	0.78	[0.52 - 1.12]
Stomach (151)	105	115.13	0.91	[0.75 - 1.10]
Colon (153)	71	92.3	0.77	[0.60 - 0.97]
Rectum (154)	56	58.45	0.96	[0.72 - 1.24]
Liver (155)	21	25.12	0.84	[0.52 - 1.28]
Gallbladder (156)	8	10.22	0.78	[0.34 - 1.54]
Pancreas (157)	74	64.24	1.15	[0.90 - 1.45]
Peritoneum and other unspecified organs(158-159)	5	6.86	0.73	[0.24 - 1.70]
Nose & sinuses (160)	5	5.06	0.99	[0.32 - 2.30]
Larynx (161)	21	18.92	1.11	[0.69 - 1.70]
Lung (162)	299	317.66	0.94	[0.84 - 1.05]
Pleura (163)	3	5.35	0.56	[0.12 - 1.64]
Other respiratory organs (164-165)	3	3.07	0.98	[0.20 - 2.86]
Bone (170)	2	5.49	0.36	[0.04 - 1.32]
Soft tissue (171)	5	5.52	0.91	[0.29 - 2.11]
Melanoma (172)	23	19.52	1.18	[0.75 - 1.77]
Other skin (173)	4	3.62	1.10	[0.30 - 2.83]
Breast (174-175)	39	38.64	1.01	[0.72 - 1.38]
Cervix uteri (180)	10	10.04	1.00	[0.48 - 1.83]
Corpus uteri & uterus unspecified (179,181-182)	2	5.37	0.37	[0.05 - 1.35]
Ovary (183)	13	14.86	0.87	[0.47 - 1.50]
Other female genital organs (184)	0	1.3	0.00	[0.00 - 2.84]
Prostate (185)	82	97.32	0.84	[0.67 - 1.05]
Testis (186)	7	6.44	1.09	[0.44 - 2.24]
Other male genital organs (187)	3	1.53	1.96	[0.40 - 5.72]
Bladder (188)	50	43.48	1.15	[0.85 - 1.52]
Kidney (189)	17	35.7	0.48	[0.28 - 0.76]
Eye (190)	0	1.89	0.00	[0.00 - 1.95]
Brain (191-192)	38	38.02	1.00	[0.71 - 1.37]
Thyroid (193)	1	3.72	0.27	[0.01 - 1.50]
Other endocrine glands (194)	0	1.81	0.00	[0.00 - 2.03]
Ill defined (195,199)	75	64.64	1.16	[0.91 - 1.45]
Lymphatic & hematopoietic tissue (200-208)	93	104.63	0.89	[0.72 - 1.09]
Non-Hodgkins lymphoma (200,202)	25	31.17	0.80	[0.52 - 1.18]
Hodgkins disease (201)	13	10.35	1.26	[0.67 - 2.15]
Multiple myeloma (203)	17	20	0.85	[0.50 - 1.36]
Leukemia & aleukemia (204-208)	38	42.39	0.90	[0.63 - 1.23]
Lymphoid leukemia (204)	7	10.44	0.67	[0.27 - 1.38]
Myeloid leukemia (205)	19	18.15	1.05	[0.63 - 1.63]
BENIGN NEOPLASMS (210-239)	19	24.4	0.78	[0.47 - 1.22]
DIS. OF ENDOCRINE SYSTEM & BLOOD (240-289)	55	88.41	0.62	[0.47 - 0.81]
MENTAL DISORDERS (290-319)	42	56.9	0.74	[0.53 - 1.00]
DIS. OF NERVOUS SYSTEM (320-389)	58	74.37	0.78	[0.59 - 1.01]
DIS. OF CIRCULATORY SYSTEM (390-459)	2206	2262.31	0.98	[0.93 - 1.02]
Hypertension (401-405)	38	48.99	0.78	[0.55 - 1.06]
Ischaemic heart disease (410-414)	1420	1409.21	1.01	[0.96 - 1.06]
Cerebrovascular (430-438)	425	441.23	0.96	[0.87 - 1.06]
Other heart diseases (4150,4152-4299)	143	187.99	0.76	[0.64 - 0.90]
DIS. OF RESPIRATORY SYSTEM (460-519)	301	349.01	0.86	[0.77 - 0.97]
Influenza (487)	7	10.35	0.68	[0.27 - 1.39]
Pneumonia (480-486)	106	145.48	0.73	[0.60 - 0.88]
Bronchitis,emphysema & asthma (490-493)	143	122.77	1.16	[0.98 - 1.37]
Pneumoconioses (500-508)	3	6.01	0.50	[0.10 - 1.46]
DIS. OF DIGESTIVE SYSTEM (520-579)	184	199.09	0.92	[0.80 - 1.07]
Liver cirrhosis (571)	73	82.01	0.89	[0.70 - 1.12]
DIS. OF GENITO-URINARY SYSTEM (580-629)	61	69.59	0.88	[0.67 - 1.13]
Nephritis & nephrosis (580-589)	22	28.89	0.76	[0.48 - 1.15]
DIS. OF THE SKIN (680-739)	17	18.49	0.92	[0.54 - 1.47]
SYMPTOMS AND ILL-DEFINED CONDITIONS (780-799)	111	154.65	0.72	[0.59 - 0.86]
EXTERNAL CAUSES (E800-999)	463	542.47	0.85	[0.78 - 0.93]
Traffic accident (E810-819)	82	114.08	0.72	[0.57 - 0.89]
Suicide (E950-959)	147	168.82	0.87	[0.74 - 1.02]
Homicide (E960-969)	13	12.87	1.01	[0.54 - 1.73]
Other external causes (E800-807,E820-949,E970-999)	221	246.72	0.90	[0.78 - 1.02]
UNKNOWN CAUSES	42			
OTHER CAUSES	75			

Table 2.10.1
Mortality by cause

TOTAL COHORT

Ever exposed to ACID (inorganic acid mist)

Men

Causes of death (ICD 9th.revision)	Observed	Expected	SMR	95% Confidence intervals
ALL CAUSES	4229	4605.86	0.92	[0.89 - 0.95]
ALL MALIGNANT NEOPLASMS (140-208)	1012	1125.1	0.90	[0.84 - 0.96]
Oral cavity & pharynx (140-149)	18	32.34	0.56	[0.33 - 0.88]
Oral cavity (141,143-145)	7	13.03	0.54	[0.22 - 1.11]
Nasopharynx (147)	1	2.07	0.48	[0.01 - 2.69]
Oesophagus (150)	27	34.96	0.77	[0.51 - 1.12]
Stomach (151)	90	103.22	0.87	[0.70 - 1.07]
Colon (153)	64	77.15	0.83	[0.64 - 1.06]
Rectum (154)	49	51.17	0.96	[0.71 - 1.27]
Liver (155)	18	22.61	0.80	[0.47 - 1.26]
Gallbladder (156)	7	7.89	0.89	[0.36 - 1.83]
Pancreas (157)	64	55.85	1.15	[0.88 - 1.46]
Peritoneum and other unspecified organs(158-159)	3	6.06	0.50	[0.10 - 1.45]
Nose & sinuses (160)	5	4.79	1.04	[0.34 - 2.44]
Larynx (161)	20	18.56	1.08	[0.66 - 1.66]
Lung (162)	278	298.45	0.93	[0.83 - 1.05]
Pleura (163)	3	5.12	0.59	[0.12 - 1.71]
Other respiratory organs (164-165)	3	2.85	1.05	[0.22 - 3.08]
Bone (170)	2	4.91	0.41	[0.05 - 1.47]
Soft tissue (171)	3	4.66	0.64	[0.13 - 1.88]
Melanoma (172)	21	16.73	1.26	[0.78 - 1.92]
Other skin (173)	3	3.22	0.93	[0.19 - 2.72]
Breast (174-175)	0	1.21	0.00	[0.00 - 3.04]
Cervix uteri (180)	0	-	-	-
Corpus uteri & uterus unspecified (179,181-182)	0	-	-	-
Ovary (183)	0	-	-	-
Other female genital organs (184)	0	-	-	-
Prostate (185)	82	97.32	0.84	[0.67 - 1.05]
Testis (186)	7	6.44	1.09	[0.44 - 2.24]
Other male genital organs (187)	3	1.53	1.96	[0.40 - 5.72]
Bladder (188)	45	40.63	1.11	[0.81 - 1.48]
Kidney (189)	15	31.84	0.47	[0.26 - 0.78]
Eye (190)	0	1.58	0.00	[0.00 - 2.33]
Brain (191-192)	28	32.63	0.86	[0.57 - 1.24]
Thyroid (193)	1	2.83	0.35	[0.01 - 1.97]
Other endocrine glands (194)	0	1.52	0.00	[0.00 - 2.43]
Ill defined (195,199)	63	54.71	1.15	[0.88 - 1.47]
Lymphatic & hematopoietic tissue (200-208)	79	90.57	0.87	[0.69 - 1.09]
Non-Hodgkins lymphoma (200,202)	22	27.04	0.81	[0.51 - 1.23]
Hodgkins disease (201)	11	8.95	1.23	[0.61 - 2.20]
Multiple myeloma (203)	14	17.24	0.81	[0.44 - 1.36]
Leukemia & aleukemia (204-208)	32	36.73	0.87	[0.60 - 1.23]
Lymphoid leukemia (204)	7	9.41	0.74	[0.30 - 1.53]
Myeloid leukemia (205)	16	15.51	1.03	[0.59 - 1.67]
BENIGN NEOPLASMS (210-239)	17	20.7	0.82	[0.48 - 1.31]
DIS. OF ENDOCRINE SYSTEM & BLOOD (240-289)	44	75.25	0.58	[0.42 - 0.78]
MENTAL DISORDERS (290-319)	40	50.14	0.80	[0.57 - 1.09]
DIS. OF NERVOUS SYSTEM (320-389)	48	63.06	0.76	[0.56 - 1.01]
DIS. OF CIRCULATORY SYSTEM (390-459)	1944	2015.94	0.96	[0.92 - 1.01]
Hypertension (401-405)	27	42.06	0.64	[0.42 - 0.93]
Ischaemic heart disease (410-414)	1277	1290.64	0.99	[0.94 - 1.05]
Cerebrovascular (430-438)	353	368.5	0.96	[0.86 - 1.06]
Other heart diseases (4150,4152-4299)	126	164.24	0.77	[0.64 - 0.91]
DIS. OF RESPIRATORY SYSTEM (460-519)	255	306.92	0.83	[0.73 - 0.94]
Influenza (487)	2	8.68	0.23	[0.03 - 0.83]
Pneumonia (480-486)	76	122.42	0.62	[0.49 - 0.78]
Bronchitis,emphysema & asthma (490-493)	133	112.34	1.18	[0.99 - 1.40]
Pneumoconioses (500-508)	3	5.87	0.51	[0.11 - 1.49]
DIS. OF DIGESTIVE SYSTEM (520-579)	168	177.38	0.95	[0.81 - 1.10]
Liver cirrhosis (571)	69	76.15	0.91	[0.71 - 1.15]
DIS. OF GENITO-URINARY SYSTEM (580-629)	51	59.72	0.85	[0.64 - 1.12]
Nephritis & nephrosis (580-589)	21	24.89	0.84	[0.52 - 1.29]
DIS. OF THE SKIN (680-739)	13	13.5	0.96	[0.51 - 1.65]
SYMPTOMS AND ILL-DEFINED CONDITIONS (780-799)	104	141.33	0.74	[0.60 - 0.89]
EXTERNAL CAUSES (E800-999)	430	503.78	0.85	[0.77 - 0.94]
Traffic accident (E810-819)	76	106.82	0.71	[0.56 - 0.89]
Suicide (E950-959)	136	155.92	0.87	[0.73 - 1.03]
Homicide (E960-969)	13	11.59	1.12	[0.60 - 1.92]
Other external causes (E800-807,E820-949,E970-999)	205	229.45	0.89	[0.78 - 1.02]
UNKNOWN CAUSES	39			
OTHER CAUSES	64			

Table 2.10.1
Mortality by cause

TOTAL COHORT

Ever exposed to ACID (inorganic acid mist)

Women

Causes of death (ICD 9th.revision)	Observed	Expected	SMR	95% Confidence intervals
ALL CAUSES	603	606.99	0.99	[0.92 - 1.08]
ALL MALIGNANT NEOPLASMS (140-208)	186	185.73	1.00	[0.86 - 1.16]
Oral cavity & pharynx (140-149)	0	1.8	0.00	[0.00 - 2.05]
Oral cavity (141,143-145)	0	0.86	0.00	[0.00 - 4.31]
Nasopharynx (147)	0	0.15	0.00	[0.00 - 24.1]
Oesophagus (150)	2	2.34	0.85	[0.10 - 3.09]
Stomach (151)	15	11.91	1.26	[0.70 - 2.08]
Colon (153)	7	15.14	0.46	[0.19 - 0.95]
Rectum (154)	7	7.28	0.96	[0.39 - 1.98]
Liver (155)	3	2.5	1.20	[0.25 - 3.50]
Gallbladder (156)	1	2.33	0.43	[0.01 - 2.39]
Pancreas (157)	10	8.39	1.19	[0.57 - 2.19]
Peritoneum and other unspecified organs(158-159)	2	0.8	2.49	[0.30 - 8.98]
Nose & sinuses (160)	0	0.28	0.00	[0.00 - 13.3]
Larynx (161)	1	0.36	2.78	[0.07 - 15.5]
Lung (162)	21	19.21	1.09	[0.68 - 1.67]
Pleura (163)	0	0.23	0.00	[0.00 - 16.3]
Other respiratory organs (164-165)	0	0.22	0.00	[0.00 - 16.7]
Bone (170)	0	0.58	0.00	[0.00 - 6.32]
Soft tissue (171)	2	0.86	2.32	[0.28 - 8.38]
Melanoma (172)	2	2.79	0.72	[0.09 - 2.59]
Other skin (173)	1	0.41	2.47	[0.06 - 13.7]
Breast (174-175)	39	37.43	1.04	[0.74 - 1.42]
Cervix uteri (180)	10	10.04	1.00	[0.48 - 1.83]
Corpus uteri & uterus unspecified (179,181-182)	2	5.37	0.37	[0.05 - 1.35]
Ovary (183)	13	14.86	0.87	[0.47 - 1.50]
Other female genital organs (184)	0	1.3	0.00	[0.00 - 2.84]
Prostate (185)	0	-	-	-
Testis (186)	0	-	-	-
Other male genital organs (187)	0	-	-	-
Bladder (188)	5	2.85	1.76	[0.57 - 4.10]
Kidney (189)	2	3.86	0.52	[0.06 - 1.87]
Eye (190)	0	0.31	0.00	[0.00 - 11.9]
Brain (191-192)	10	5.39	1.86	[0.89 - 3.41]
Thyroid (193)	0	0.89	0.00	[0.00 - 4.15]
Other endocrine glands (194)	0	0.3	0.00	[0.00 - 12.4]
Ill defined (195,199)	12	9.93	1.21	[0.62 - 2.11]
Lymphatic & hematopoietic tissue (200-208)	14	14.06	1.00	[0.54 - 1.67]
Non-Hodgkins lymphoma (200,202)	3	4.13	0.73	[0.15 - 2.12]
Hodgkins disease (201)	2	1.39	1.44	[0.17 - 5.19]
Multiple myeloma (203)	3	2.76	1.09	[0.22 - 3.18]
Leukemia & aleukemia (204-208)	6	5.66	1.06	[0.39 - 2.31]
Lymphoid leukemia (204)	0	1.03	0.00	[0.00 - 3.58]
Myeloid leukemia (205)	3	2.64	1.14	[0.23 - 3.32]
BENIGN NEOPLASMS (210-239)	2	3.7	0.54	[0.07 - 1.95]
DIS. OF ENDOCRINE SYSTEM & BLOOD (240-289)	11	13.16	0.84	[0.42 - 1.50]
MENTAL DISORDERS (290-319)	2	6.76	0.30	[0.04 - 1.07]
DIS. OF NERVOUS SYSTEM (320-389)	10	11.31	0.88	[0.42 - 1.63]
DIS. OF CIRCULATORY SYSTEM (390-459)	262	246.38	1.06	[0.94 - 1.20]
Hypertension (401-405)	11	6.93	1.59	[0.79 - 2.84]
Ischaemic heart disease (410-414)	143	118.57	1.21	[1.02 - 1.42]
Cerebrovascular (430-438)	72	72.73	0.99	[0.77 - 1.25]
Other heart diseases (4150,4152-4299)	17	23.75	0.72	[0.42 - 1.15]
DIS. OF RESPIRATORY SYSTEM (460-519)	46	42.09	1.09	[0.80 - 1.46]
Influenza (487)	5	1.67	2.99	[0.97 - 6.99]
Pneumonia (480-486)	30	23.06	1.30	[0.88 - 1.86]
Bronchitis,emphysema & asthma (490-493)	10	10.42	0.96	[0.46 - 1.76]
Pneumoconioses (500-508)	0	0.14	0.00	[0.00 - 26.4]
DIS. OF DIGESTIVE SYSTEM (520-579)	16	21.7	0.74	[0.42 - 1.20]
Liver cirrhosis (571)	4	5.86	0.68	[0.19 - 1.75]
DIS. OF GENITO-URINARY SYSTEM (580-629)	10	9.87	1.01	[0.49 - 1.86]
Nephritis & nephrosis (580-589)	1	4	0.25	[0.01 - 1.39]
DIS. OF THE SKIN (680-739)	4	4.99	0.80	[0.22 - 2.08]
SYMPTOMS AND ILL-DEFINED CONDITIONS (780-799)	7	13.32	0.53	[0.21 - 1.08]
EXTERNAL CAUSES (E800-999)	33	38.7	0.85	[0.59 - 1.20]
Traffic accident (E810-819)	6	7.26	0.83	[0.30 - 1.80]
Suicide (E950-959)	11	12.9	0.85	[0.43 - 1.53]
Homicide (E960-969)	0	1.28	0.00	[0.00 - 2.89]
Other external causes (E800-807,E820-949,E970-999)	16	17.26	0.93	[0.53 - 1.51]
UNKNOWN CAUSES	3			
OTHER CAUSES	11			

Table 2.10.2
Mortality by cause

TOTAL COHORT
Ever exposed to ASB (asbestos)

Causes of death (ICD 9th.revision)	Observed	Expected	SMR	95% Confidence intervals
ALL CAUSES	5373	6093.79	0.88	[0.86 - 0.91]
ALL MALIGNANT NEOPLASMS (140-208)	1258	1373.19	0.92	[0.87 - 0.97]
Oral cavity & pharynx (140-149)	23	29.73	0.77	[0.49 - 1.16]
Oral cavity (141,143-145)	10	12.1	0.83	[0.40 - 1.52]
Nasopharynx (147)	2	2.14	0.94	[0.11 - 3.38]
Oesophagus (150)	25	33.85	0.74	[0.48 - 1.09]
Stomach (151)	128	151.44	0.85	[0.71 - 1.00]
Colon (153)	81	84.97	0.95	[0.76 - 1.18]
Rectum (154)	46	59.31	0.78	[0.57 - 1.03]
Liver (155)	20	24.57	0.81	[0.50 - 1.26]
Gallbladder (156)	11	11.74	0.94	[0.47 - 1.68]
Pancreas (157)	52	73.27	0.71	[0.53 - 0.93]
Peritoneum and other unspecified organs(158-159)	5	7.7	0.65	[0.21 - 1.52]
Nose & sinuses (160)	5	4.51	1.11	[0.36 - 2.59]
Larynx (161)	16	16.54	0.97	[0.55 - 1.57]
Lung (162)	354	352.81	1.00	[0.90 - 1.11]
Pleura (163)	15	5.78	2.60	[1.45 - 4.28]
Other respiratory organs (164-165)	7	3.4	2.06	[0.83 - 4.24]
Bone (170)	0	5.32	0.00	[0.00 - 0.69]
Soft tissue (171)	4	5.93	0.67	[0.18 - 1.73]
Melanoma (172)	24	20.79	1.15	[0.74 - 1.72]
Other skin (173)	4	4.19	0.96	[0.26 - 2.45]
Breast (174-175)	13	12.51	1.04	[0.55 - 1.78]
Cervix uteri (180)	2	2.76	0.72	[0.09 - 2.61]
Corpus uteri & uterus unspecified (179,181-182)	4	2.56	1.56	[0.43 - 4.00]
Ovary (183)	1	4.83	0.21	[0.01 - 1.15]
Other female genital organs (184)	2	0.66	3.03	[0.37 - 10.9]
Prostate (185)	110	130.25	0.84	[0.69 - 1.02]
Testis (186)	5	5.81	0.86	[0.28 - 2.01]
Other male genital organs (187)	3	1.61	1.86	[0.38 - 5.44]
Bladder (188)	44	44.27	0.99	[0.72 - 1.33]
Kidney (189)	38	39.78	0.96	[0.68 - 1.31]
Eye (190)	3	2.25	1.34	[0.28 - 3.90]
Brain (191-192)	36	36.49	0.99	[0.69 - 1.37]
Thyroid (193)	4	4.2	0.95	[0.26 - 2.44]
Other endocrine glands (194)	2	2.02	0.99	[0.12 - 3.58]
Ill defined (195,199)	52	58.49	0.89	[0.66 - 1.17]
Lymphatic & hematopoietic tissue (200-208)	98	114.42	0.86	[0.70 - 1.04]
Non-Hodgkins lymphoma (200,202)	31	34.34	0.90	[0.61 - 1.28]
Hodgkins disease (201)	8	10.99	0.73	[0.31 - 1.43]
Multiple myeloma (203)	24	23.17	1.04	[0.66 - 1.54]
Leukemia & aleukemia (204-208)	35	45.31	0.77	[0.54 - 1.07]
Lymphoid leukemia (204)	6	11.86	0.51	[0.19 - 1.10]
Myeloid leukemia (205)	11	18.45	0.60	[0.30 - 1.07]
BENIGN NEOPLASMS (210-239)	20	24.98	0.80	[0.49 - 1.24]
DIS. OF ENDOCRINE SYSTEM & BLOOD (240-289)	63	91.17	0.69	[0.53 - 0.88]
MENTAL DISORDERS (290-319)	31	69.73	0.44	[0.30 - 0.63]
DIS. OF NERVOUS SYSTEM (320-389)	73	80.87	0.90	[0.71 - 1.14]
DIS. OF CIRCULATORY SYSTEM (390-459)	2671	2874.41	0.93	[0.89 - 0.97]
Hypertension (401-405)	57	63.29	0.90	[0.68 - 1.17]
Ischaemic heart disease (410-414)	1643	1829.92	0.90	[0.85 - 0.94]
Cerebrovascular (430-438)	433	550.78	0.79	[0.71 - 0.86]
Other heart diseases (4150,4152-4299)	180	228.98	0.79	[0.68 - 0.91]
DIS. OF RESPIRATORY SYSTEM (460-519)	327	415.17	0.79	[0.70 - 0.88]
Influenza (487)	6	14.41	0.42	[0.15 - 0.91]
Pneumonia (480-486)	139	192.3	0.72	[0.61 - 0.85]
Bronchitis,emphysema & asthma (490-493)	118	142.38	0.83	[0.69 - 0.99]
Pneumoconioses (500-508)	2	4.78	0.42	[0.05 - 1.51]
DIS. OF DIGESTIVE SYSTEM (520-579)	146	197.73	0.74	[0.62 - 0.87]
Liver cirrhosis (571)	55	63.86	0.86	[0.65 - 1.12]
DIS. OF GENITO-URINARY SYSTEM (580-629)	65	85.35	0.76	[0.59 - 0.97]
Nephritis & nephrosis (580-589)	19	36.64	0.52	[0.31 - 0.81]
DIS. OF THE SKIN (680-739)	11	20.21	0.54	[0.27 - 0.97]
SYMPTOMS AND ILL-DEFINED CONDITIONS (780-799)	134	153.13	0.88	[0.73 - 1.04]
EXTERNAL CAUSES (E800-999)	460	614.47	0.75	[0.68 - 0.82]
Traffic accident (E810-819)	64	117.27	0.55	[0.42 - 0.70]
Suicide (E950-959)	107	182.29	0.59	[0.48 - 0.71]
Homicide (E960-969)	8	18.52	0.43	[0.19 - 0.85]
Other external causes (E800-807,E820-949,E970-999)	281	296.4	0.95	[0.84 - 1.07]
UNKNOWN CAUSES	21			
OTHER CAUSES	93			

Table 2.10.2
Mortality by cause

TOTAL COHORT
Ever exposed to ASB (asbestos)
Men

Causes of death (ICD 9th.revision)	Observed	Expected	SMR	95% Confidence intervals
ALL CAUSES	5133	5781.81	0.89	[0.86 - 0.91]
ALL MALIGNANT NEOPLASMS (140-208)	1202	1303.65	0.92	[0.87 - 0.98]
Oral cavity & pharynx (140-149)	23	28.97	0.79	[0.50 - 1.19]
Oral cavity (141,143-145)	10	11.73	0.85	[0.41 - 1.57]
Nasopharynx (147)	2	2.07	0.96	[0.12 - 3.48]
Oesophagus (150)	25	32.39	0.77	[0.50 - 1.14]
Stomach (151)	122	144.19	0.85	[0.70 - 1.01]
Colon (153)	78	80.38	0.97	[0.77 - 1.21]
Rectum (154)	43	56.52	0.76	[0.55 - 1.02]
Liver (155)	20	22.92	0.87	[0.53 - 1.35]
Gallbladder (156)	10	9.75	1.03	[0.49 - 1.89]
Pancreas (157)	48	68.72	0.70	[0.52 - 0.93]
Peritoneum and other unspecified organs(158-159)	5	6.81	0.73	[0.24 - 1.71]
Nose & sinuses (160)	5	4.37	1.14	[0.37 - 2.67]
Larynx (161)	16	16.45	0.97	[0.56 - 1.58]
Lung (162)	351	348.34	1.01	[0.90 - 1.12]
Pleura (163)	14	5.62	2.49	[1.36 - 4.18]
Other respiratory organs (164-165)	7	3.29	2.13	[0.86 - 4.39]
Bone (170)	0	5.08	0.00	[0.00 - 0.73]
Soft tissue (171)	4	5.59	0.72	[0.19 - 1.83]
Melanoma (172)	23	19.94	1.15	[0.73 - 1.73]
Other skin (173)	4	3.98	1.00	[0.27 - 2.57]
Breast (174-175)	1	1.09	0.92	[0.02 - 5.13]
Cervix uteri (180)	0	-	-	-
Corpus uteri & uterus unspecified (179,181-182)	0	-	-	-
Ovary (183)	0	-	-	-
Other female genital organs (184)	0	-	-	-
Prostate (185)	110	130.25	0.84	[0.69 - 1.02]
Testis (186)	5	5.81	0.86	[0.28 - 2.01]
Other male genital organs (187)	3	1.61	1.86	[0.38 - 5.44]
Bladder (188)	43	43.42	0.99	[0.72 - 1.33]
Kidney (189)	37	37.93	0.98	[0.69 - 1.34]
Eye (190)	3	2.1	1.43	[0.29 - 4.17]
Brain (191-192)	36	34.83	1.03	[0.72 - 1.43]
Thyroid (193)	4	3.61	1.11	[0.30 - 2.84]
Other endocrine glands (194)	2	1.9	1.05	[0.13 - 3.80]
Ill defined (195,199)	49	55.97	0.88	[0.65 - 1.16]
Lymphatic & hematopoietic tissue (200-208)	93	108.25	0.86	[0.69 - 1.05]
Non-Hodgkins lymphoma (200,202)	31	32.37	0.96	[0.65 - 1.36]
Hodgkins disease (201)	6	10.55	0.57	[0.21 - 1.24]
Multiple myeloma (203)	24	21.79	1.10	[0.71 - 1.64]
Leukemia & aleukemia (204-208)	32	42.95	0.75	[0.51 - 1.05]
Lymphoid leukemia (204)	5	11.27	0.44	[0.14 - 1.04]
Myeloid leukemia (205)	11	17.39	0.63	[0.32 - 1.13]
BENIGN NEOPLASMS (210-239)	19	23.31	0.82	[0.49 - 1.27]
DIS. OF ENDOCRINE SYSTEM & BLOOD (240-289)	59	84.3	0.70	[0.53 - 0.90]
MENTAL DISORDERS (290-319)	31	61.31	0.51	[0.34 - 0.72]
DIS. OF NERVOUS SYSTEM (320-389)	69	75.8	0.91	[0.71 - 1.15]
DIS. OF CIRCULATORY SYSTEM (390-459)	2543	2714.73	0.94	[0.90 - 0.97]
Hypertension (401-405)	52	57.56	0.90	[0.67 - 1.18]
Ischaemic heart disease (410-414)	1579	1752.44	0.90	[0.86 - 0.95]
Cerebrovascular (430-438)	407	504.58	0.81	[0.73 - 0.89]
Other heart diseases (4150,4152-4299)	169	211.71	0.80	[0.68 - 0.93]
DIS. OF RESPIRATORY SYSTEM (460-519)	313	396.09	0.79	[0.71 - 0.88]
Influenza (487)	5	13.24	0.38	[0.12 - 0.88]
Pneumonia (480-486)	130	179.3	0.73	[0.61 - 0.86]
Bronchitis,emphysema & asthma (490-493)	117	139.21	0.84	[0.70 - 1.01]
Pneumoconioses (500-508)	2	4.71	0.43	[0.05 - 1.54]
DIS. OF DIGESTIVE SYSTEM (520-579)	140	187.56	0.75	[0.63 - 0.88]
Liver cirrhosis (571)	54	62.32	0.87	[0.65 - 1.13]
DIS. OF GENITO-URINARY SYSTEM (580-629)	59	79.18	0.75	[0.57 - 0.96]
Nephritis & nephrosis (580-589)	18	34.57	0.52	[0.31 - 0.82]
DIS. OF THE SKIN (680-739)	9	17.36	0.52	[0.24 - 0.98]
SYMPTOMS AND ILL-DEFINED CONDITIONS (780-799)	134	151.13	0.89	[0.74 - 1.05]
EXTERNAL CAUSES (E800-999)	443	599.57	0.74	[0.67 - 0.81]
Traffic accident (E810-819)	62	114.44	0.54	[0.42 - 0.69]
Suicide (E950-959)	104	178.18	0.58	[0.48 - 0.71]
Homicide (E960-969)	8	18.03	0.44	[0.19 - 0.87]
Other external causes (E800-807,E820-949,E970-999)	269	288.93	0.93	[0.82 - 1.05]
UNKNOWN CAUSES	20			
OTHER CAUSES	92			

Table 2.10.2
Mortality by cause

TOTAL COHORT
Ever exposed to ASB (asbestos)
Women

Causes of death (ICD 9th.revision)	Observed	Expected	SMR	95% Confidence intervals
ALL CAUSES	240	311.98	0.77	[0.68 - 0.87]
ALL MALIGNANT NEOPLASMS (140-208)	56	69.55	0.81	[0.61 - 1.05]
Oral cavity & pharynx (140-149)	0	0.76	0.00	[0.00 - 4.88]
Oral cavity (141,143-145)	0	0.37	0.00	[0.00 - 10.1]
Nasopharynx (147)	0	0.06	0.00	[0.00 - 59.5]
Oesophagus (150)	0	1.46	0.00	[0.00 - 2.53]
Stomach (151)	6	7.25	0.83	[0.30 - 1.80]
Colon (153)	3	4.59	0.65	[0.13 - 1.91]
Rectum (154)	3	2.79	1.08	[0.22 - 3.14]
Liver (155)	0	1.65	0.00	[0.00 - 2.23]
Gallbladder (156)	1	1.99	0.50	[0.01 - 2.80]
Pancreas (157)	4	4.55	0.88	[0.24 - 2.25]
Peritoneum and other unspecified organs(158-159)	0	0.88	0.00	[0.00 - 4.18]
Nose & sinuses (160)	0	0.14	0.00	[0.00 - 26.3]
Larynx (161)	0	0.09	0.00	[0.00 - 41.2]
Lung (162)	3	4.47	0.67	[0.14 - 1.96]
Pleura (163)	1	0.16	6.11	[0.15 - 34.1]
Other respiratory organs (164-165)	0	0.11	0.00	[0.00 - 32.2]
Bone (170)	0	0.24	0.00	[0.00 - 15.3]
Soft tissue (171)	0	0.34	0.00	[0.00 - 10.8]
Melanoma (172)	1	0.84	1.19	[0.03 - 6.61]
Other skin (173)	0	0.21	0.00	[0.00 - 17.9]
Breast (174-175)	12	11.42	1.05	[0.54 - 1.84]
Cervix uteri (180)	2	2.76	0.72	[0.09 - 2.61]
Corpus uteri & uterus unspecified (179,181-182)	4	2.56	1.56	[0.43 - 4.00]
Ovary (183)	1	4.83	0.21	[0.01 - 1.15]
Other female genital organs (184)	2	0.66	3.03	[0.37 - 10.9]
Prostate (185)	0	-	-	-
Testis (186)	0	-	-	-
Other male genital organs (187)	0	-	-	-
Bladder (188)	1	0.85	1.17	[0.03 - 6.55]
Kidney (189)	1	1.86	0.54	[0.01 - 3.00]
Eye (190)	0	0.14	0.00	[0.00 - 26.1]
Brain (191-192)	0	1.66	0.00	[0.00 - 2.22]
Thyroid (193)	0	0.59	0.00	[0.00 - 6.25]
Other endocrine glands (194)	0	0.12	0.00	[0.00 - 31.9]
Ill defined (195,199)	3	2.52	1.19	[0.25 - 3.48]
Lymphatic & hematopoietic tissue (200-208)	5	6.17	0.81	[0.26 - 1.89]
Non-Hodgkins lymphoma (200,202)	0	1.96	0.00	[0.00 - 1.88]
Hodgkins disease (201)	2	0.44	4.50	[0.54 - 16.3]
Multiple myeloma (203)	0	1.38	0.00	[0.00 - 2.68]
Leukemia & aleukemia (204-208)	3	2.36	1.27	[0.26 - 3.71]
Lymphoid leukemia (204)	1	0.59	1.70	[0.04 - 9.49]
Myeloid leukemia (205)	0	1.06	0.00	[0.00 - 3.47]
BENIGN NEOPLASMS (210-239)	1	1.68	0.60	[0.01 - 3.32]
DIS. OF ENDOCRINE SYSTEM & BLOOD (240-289)	4	6.87	0.58	[0.16 - 1.49]
MENTAL DISORDERS (290-319)	0	8.41	0.00	[0.00 - 0.44]
DIS. OF NERVOUS SYSTEM (320-389)	4	5.07	0.79	[0.22 - 2.02]
DIS. OF CIRCULATORY SYSTEM (390-459)	128	159.67	0.80	[0.67 - 0.95]
Hypertension (401-405)	5	5.73	0.87	[0.28 - 2.04]
Ischaemic heart disease (410-414)	64	77.48	0.83	[0.64 - 1.05]
Cerebrovascular (430-438)	26	46.2	0.56	[0.37 - 0.82]
Other heart diseases (4150,4152-4299)	11	17.27	0.64	[0.32 - 1.14]
DIS. OF RESPIRATORY SYSTEM (460-519)	14	19.08	0.73	[0.40 - 1.23]
Influenza (487)	1	1.17	0.85	[0.02 - 4.74]
Pneumonia (480-486)	9	12.99	0.69	[0.32 - 1.32]
Bronchitis,emphysema & asthma (490-493)	1	3.17	0.32	[0.01 - 1.76]
Pneumoconioses (500-508)	0	0.07	0.00	[0.00 - 51.7]
DIS. OF DIGESTIVE SYSTEM (520-579)	6	10.17	0.59	[0.22 - 1.28]
Liver cirrhosis (571)	1	1.55	0.65	[0.02 - 3.60]
DIS. OF GENITO-URINARY SYSTEM (580-629)	6	6.17	0.97	[0.36 - 2.12]
Nephritis & nephrosis (580-589)	1	2.07	0.48	[0.01 - 2.70]
DIS. OF THE SKIN (680-739)	2	2.85	0.70	[0.09 - 2.54]
SYMPTOMS AND ILL-DEFINED CONDITIONS (780-799)	0	2	0.00	[0.00 - 1.84]
EXTERNAL CAUSES (E800-999)	17	14.9	1.14	[0.66 - 1.83]
Traffic accident (E810-819)	2	2.83	0.71	[0.09 - 2.55]
Suicide (E950-959)	3	4.11	0.73	[0.15 - 2.13]
Homicide (E960-969)	0	0.49	0.00	[0.00 - 7.60]
Other external causes (E800-807,E820-949,E970-999)	12	7.47	1.61	[0.83 - 2.81]
UNKNOWN CAUSES	1			
OTHER CAUSES	1			

Table 2.10.3
Mortality by cause

TOTAL COHORT

Ever exposed to BRIGH (optical brighteners in papermaking)

Causes of death (ICD 9th.revision)	Observed	Expected	SMR	95% Confidence intervals
ALL CAUSES	1155	1344.7	0.86	[0.81 - 0.91]
ALL MALIGNANT NEOPLASMS (140-208)	279	340.09	0.82	[0.73 - 0.92]
Oral cavity & pharynx (140-149)	1	6.45	0.16	[0.00 - 0.86]
Oral cavity (141,143-145)	1	2.89	0.35	[0.01 - 1.93]
Nasopharynx (147)	0	0.58	0.00	[0.00 - 6.35]
Oesophagus (150)	6	10.53	0.57	[0.21 - 1.24]
Stomach (151)	20	28.15	0.71	[0.43 - 1.10]
Colon (153)	12	24.3	0.49	[0.26 - 0.86]
Rectum (154)	11	15.39	0.71	[0.36 - 1.28]
Liver (155)	1	3.92	0.25	[0.01 - 1.42]
Gallbladder (156)	0	2.17	0.00	[0.00 - 1.70]
Pancreas (157)	18	15.75	1.14	[0.68 - 1.81]
Peritoneum and other unspecified organs(158-159)	2	1.48	1.35	[0.16 - 4.88]
Nose & sinuses (160)	1	0.71	1.40	[0.04 - 7.83]
Larynx (161)	2	3.24	0.62	[0.07 - 2.23]
Lung (162)	86	103.82	0.83	[0.66 - 1.02]
Pleura (163)	2	1.47	1.36	[0.17 - 4.93]
Other respiratory organs (164-165)	0	0.5	0.00	[0.00 - 7.35]
Bone (170)	0	1.18	0.00	[0.00 - 3.12]
Soft tissue (171)	1	1.35	0.74	[0.02 - 4.13]
Melanoma (172)	10	4.53	2.21	[1.06 - 4.06]
Other skin (173)	2	0.94	2.12	[0.26 - 7.67]
Breast (174-175)	4	7.62	0.52	[0.14 - 1.34]
Cervix uteri (180)	4	1.66	2.41	[0.66 - 6.18]
Corpus uteri & uterus unspecified (179,181-182)	0	0.91	0.00	[0.00 - 4.04]
Ovary (183)	0	2.61	0.00	[0.00 - 1.41]
Other female genital organs (184)	0	0.23	0.00	[0.00 - 15.7]
Prostate (185)	23	23.11	1.00	[0.63 - 1.49]
Testis (186)	3	1.93	1.55	[0.32 - 4.53]
Other male genital organs (187)	0	0.45	0.00	[0.00 - 8.29]
Bladder (188)	8	12.1	0.66	[0.29 - 1.30]
Kidney (189)	7	8.78	0.80	[0.32 - 1.64]
Eye (190)	0	0.49	0.00	[0.00 - 7.53]
Brain (191-192)	3	9.62	0.31	[0.06 - 0.91]
Thyroid (193)	1	0.81	1.23	[0.03 - 6.84]
Other endocrine glands (194)	0	0.41	0.00	[0.00 - 9.03]
Ill defined (195,199)	17	16.44	1.03	[0.60 - 1.66]
Lymphatic & hematopoietic tissue (200-208)	30	24.69	1.22	[0.82 - 1.73]
Non-Hodgkins lymphoma (200,202)	9	7.98	1.13	[0.52 - 2.14]
Hodgkins disease (201)	3	2.53	1.19	[0.24 - 3.47]
Multiple myeloma (203)	7	4.87	1.44	[0.58 - 2.96]
Leukemia & aleukemia (204-208)	11	9.31	1.18	[0.59 - 2.11]
Lymphoid leukemia (204)	3	2.5	1.20	[0.25 - 3.51]
Myeloid leukemia (205)	5	4.36	1.15	[0.37 - 2.67]
BENIGN NEOPLASMS (210-239)	4	4.79	0.83	[0.23 - 2.14]
DIS. OF ENDOCRINE SYSTEM & BLOOD (240-289)	11	20.58	0.53	[0.27 - 0.96]
MENTAL DISORDERS (290-319)	13	13.62	0.95	[0.51 - 1.63]
DIS. OF NERVOUS SYSTEM (320-389)	11	18.59	0.59	[0.30 - 1.06]
DIS. OF CIRCULATORY SYSTEM (390-459)	602	620.51	0.97	[0.89 - 1.05]
Hypertension (401-405)	5	11.87	0.42	[0.14 - 0.98]
Ischaemic heart disease (410-414)	397	408.83	0.97	[0.88 - 1.07]
Cerebrovascular (430-438)	135	120.04	1.12	[0.94 - 1.33]
Other heart diseases (4150,4152-4299)	25	36.45	0.69	[0.44 - 1.01]
DIS. OF RESPIRATORY SYSTEM (460-519)	85	109.98	0.77	[0.62 - 0.96]
Influenza (487)	0	2.6	0.00	[0.00 - 1.42]
Pneumonia (480-486)	32	42.85	0.75	[0.51 - 1.05]
Bronchitis,emphysema & asthma (490-493)	40	39.14	1.02	[0.73 - 1.39]
Pneumoconioses (500-508)	1	1.69	0.59	[0.01 - 3.30]
DIS. OF DIGESTIVE SYSTEM (520-579)	37	43.34	0.85	[0.60 - 1.18]
Liver cirrhosis (571)	9	14.67	0.61	[0.28 - 1.16]
DIS. OF GENITO-URINARY SYSTEM (580-629)	12	15.85	0.76	[0.39 - 1.32]
Nephritis & nephrosis (580-589)	5	7.6	0.66	[0.21 - 1.54]
DIS. OF THE SKIN (680-739)	3	4.49	0.67	[0.14 - 1.95]
SYMPTOMS AND ILL-DEFINED CONDITIONS (780-799)	11	28.61	0.38	[0.19 - 0.69]
EXTERNAL CAUSES (E800-999)	75	110.55	0.68	[0.53 - 0.85]
Traffic accident (E810-819)	15	24.65	0.61	[0.34 - 1.00]
Suicide (E950-959)	26	32.78	0.79	[0.52 - 1.16]
Homicide (E960-969)	2	2.43	0.82	[0.10 - 2.97]
Other external causes (E800-807,E820-949,E970-999)	32	50.69	0.63	[0.43 - 0.89]
UNKNOWN CAUSES	4			
OTHER CAUSES	8			

Table 2.10.3
Mortality by cause

TOTAL COHORT

Ever exposed to BRIGH (optical brighteners in papermaking)

Men

Causes of death (ICD 9th.revision)	Observed	Expected	SMR	95% Confidence intervals
ALL CAUSES	1041	1212.82	0.86	[0.81 - 0.91]
ALL MALIGNANT NEOPLASMS (140-208)	249	302.75	0.82	[0.72 - 0.93]
Oral cavity & pharynx (140-149)	1	6.06	0.16	[0.00 - 0.92]
Oral cavity (141,143-145)	1	2.71	0.37	[0.01 - 2.06]
Nasopharynx (147)	0	0.55	0.00	[0.00 - 6.70]
Oesophagus (150)	6	9.58	0.63	[0.23 - 1.36]
Stomach (151)	19	25.86	0.73	[0.44 - 1.15]
Colon (153)	11	20.93	0.53	[0.26 - 0.94]
Rectum (154)	11	13.95	0.79	[0.39 - 1.41]
Liver (155)	1	3.61	0.28	[0.01 - 1.54]
Gallbladder (156)	0	1.79	0.00	[0.00 - 2.06]
Pancreas (157)	16	14.13	1.13	[0.65 - 1.84]
Peritoneum and other unspecified organs(158-159)	1	1.27	0.79	[0.02 - 4.40]
Nose & sinuses (160)	1	0.67	1.50	[0.04 - 8.38]
Larynx (161)	2	3.13	0.64	[0.08 - 2.31]
Lung (162)	80	97.98	0.82	[0.65 - 1.02]
Pleura (163)	2	1.44	1.39	[0.17 - 5.03]
Other respiratory organs (164-165)	0	0.47	0.00	[0.00 - 7.82]
Bone (170)	0	1.1	0.00	[0.00 - 3.37]
Soft tissue (171)	1	1.22	0.82	[0.02 - 4.57]
Melanoma (172)	9	4.16	2.16	[0.99 - 4.10]
Other skin (173)	1	0.85	1.18	[0.03 - 6.58]
Breast (174-175)	0	0.3	0.00	[0.00 - 12.4]
Cervix uteri (180)	0	-	-	-
Corpus uteri & uterus unspecified (179,181-182)	0	-	-	-
Ovary (183)	0	-	-	-
Other female genital organs (184)	0	-	-	-
Prostate (185)	23	23.11	1.00	[0.63 - 1.49]
Testis (186)	3	1.93	1.55	[0.32 - 4.53]
Other male genital organs (187)	0	0.45	0.00	[0.00 - 8.29]
Bladder (188)	7	11.38	0.61	[0.25 - 1.27]
Kidney (189)	7	8.12	0.86	[0.35 - 1.78]
Eye (190)	0	0.43	0.00	[0.00 - 8.50]
Brain (191-192)	3	8.81	0.34	[0.07 - 1.00]
Thyroid (193)	1	0.66	1.51	[0.04 - 8.43]
Other endocrine glands (194)	0	0.37	0.00	[0.00 - 10.0]
Ill defined (195,199)	15	14.57	1.03	[0.58 - 1.70]
Lymphatic & hematopoietic tissue (200-208)	25	22.37	1.12	[0.72 - 1.65]
Non-Hodgkins lymphoma (200,202)	7	7.17	0.98	[0.39 - 2.01]
Hodgkins disease (201)	2	2.33	0.86	[0.10 - 3.10]
Multiple myeloma (203)	7	4.39	1.59	[0.64 - 3.28]
Leukemia & aleukemia (204-208)	9	8.49	1.06	[0.48 - 2.01]
Lymphoid leukemia (204)	3	2.32	1.29	[0.27 - 3.77]
Myeloid leukemia (205)	4	3.94	1.02	[0.28 - 2.60]
BENIGN NEOPLASMS (210-239)	4	4.29	0.93	[0.25 - 2.39]
DIS. OF ENDOCRINE SYSTEM & BLOOD (240-289)	10	17.93	0.56	[0.27 - 1.03]
MENTAL DISORDERS (290-319)	12	12.12	0.99	[0.51 - 1.73]
DIS. OF NERVOUS SYSTEM (320-389)	10	16.55	0.60	[0.29 - 1.11]
DIS. OF CIRCULATORY SYSTEM (390-459)	540	559.71	0.96	[0.89 - 1.05]
Hypertension (401-405)	3	10.54	0.28	[0.06 - 0.83]
Ischaemic heart disease (410-414)	362	377.49	0.96	[0.86 - 1.06]
Cerebrovascular (430-438)	113	101.49	1.11	[0.92 - 1.34]
Other heart diseases (4150,4152-4299)	25	32.44	0.77	[0.50 - 1.14]
DIS. OF RESPIRATORY SYSTEM (460-519)	74	98.57	0.75	[0.59 - 0.94]
Influenza (487)	0	2.24	0.00	[0.00 - 1.64]
Pneumonia (480-486)	24	36.88	0.65	[0.42 - 0.97]
Bronchitis,emphysema & asthma (490-493)	37	36.71	1.01	[0.71 - 1.39]
Pneumoconioses (500-508)	1	1.64	0.61	[0.02 - 3.40]
DIS. OF DIGESTIVE SYSTEM (520-579)	35	38.8	0.90	[0.63 - 1.25]
Liver cirrhosis (571)	9	13.73	0.66	[0.30 - 1.24]
DIS. OF GENITO-URINARY SYSTEM (580-629)	10	13.76	0.73	[0.35 - 1.34]
Nephritis & nephrosis (580-589)	5	6.55	0.76	[0.25 - 1.78]
DIS. OF THE SKIN (680-739)	3	3.5	0.86	[0.18 - 2.51]
SYMPTOMS AND ILL-DEFINED CONDITIONS (780-799)	11	27.54	0.40	[0.20 - 0.71]
EXTERNAL CAUSES (E800-999)	71	104.95	0.68	[0.53 - 0.85]
Traffic accident (E810-819)	14	23.61	0.59	[0.32 - 0.99]
Suicide (E950-959)	26	31.17	0.83	[0.54 - 1.22]
Homicide (E960-969)	2	2.28	0.88	[0.11 - 3.17]
Other external causes (E800-807,E820-949,E970-999)	29	47.9	0.61	[0.41 - 0.87]
UNKNOWN CAUSES	4			
OTHER CAUSES	8			

Table 2.10.3
Mortality by cause

TOTAL COHORT

Ever exposed to BRIGH (optical brighteners in papermaking)

Women

Causes of death (ICD 9th.revision)	Observed	Expected	SMR	95% Confidence intervals
ALL CAUSES	114	131.88	0.86	[0.71 - 1.04]
ALL MALIGNANT NEOPLASMS (140-208)	30	37.35	0.80	[0.54 - 1.15]
Oral cavity & pharynx (140-149)	0	0.38	0.00	[0.00 - 9.61]
Oral cavity (141,143-145)	0	0.18	0.00	[0.00 - 21.0]
Nasopharynx (147)	0	0.03	0.00	[0.00 - 0123]
Oesophagus (150)	0	0.95	0.00	[0.00 - 3.88]
Stomach (151)	1	2.29	0.44	[0.01 - 2.43]
Colon (153)	1	3.37	0.30	[0.01 - 1.65]
Rectum (154)	0	1.44	0.00	[0.00 - 2.56]
Liver (155)	0	0.31	0.00	[0.00 - 11.8]
Gallbladder (156)	0	0.38	0.00	[0.00 - 9.72]
Pancreas (157)	2	1.62	1.23	[0.15 - 4.46]
Peritoneum and other unspecified organs(158-159)	1	0.21	4.70	[0.12 - 26.2]
Nose & sinuses (160)	0	0.05	0.00	[0.00 - 79.0]
Larynx (161)	0	0.11	0.00	[0.00 - 35.0]
Lung (162)	6	5.84	1.03	[0.38 - 2.23]
Pleura (163)	0	0.03	0.00	[0.00 - 0123]
Other respiratory organs (164-165)	0	0.03	0.00	[0.00 - 0121]
Bone (170)	0	0.09	0.00	[0.00 - 42.2]
Soft tissue (171)	0	0.13	0.00	[0.00 - 28.5]
Melanoma (172)	1	0.36	2.74	[0.07 - 15.3]
Other skin (173)	1	0.09	10.50	[0.26 - 58.8]
Breast (174-175)	4	7.32	0.55	[0.15 - 1.40]
Cervix uteri (180)	4	1.66	2.41	[0.66 - 6.18]
Corpus uteri & uterus unspecified (179,181-182)	0	0.91	0.00	[0.00 - 4.04]
Ovary (183)	0	2.61	0.00	[0.00 - 1.41]
Other female genital organs (184)	0	0.23	0.00	[0.00 - 15.7]
Prostate (185)	0	-	-	-
Testis (186)	0	-	-	-
Other male genital organs (187)	0	-	-	-
Bladder (188)	1	0.72	1.39	[0.03 - 7.73]
Kidney (189)	0	0.67	0.00	[0.00 - 5.52]
Eye (190)	0	0.06	0.00	[0.00 - 66.4]
Brain (191-192)	0	0.81	0.00	[0.00 - 4.53]
Thyroid (193)	0	0.15	0.00	[0.00 - 24.1]
Other endocrine glands (194)	0	0.04	0.00	[0.00 - 90.9]
Ill defined (195,199)	2	1.86	1.07	[0.13 - 3.87]
Lymphatic & hematopoietic tissue (200-208)	5	2.32	2.16	[0.70 - 5.04]
Non-Hodgkins lymphoma (200,202)	2	0.81	2.47	[0.30 - 8.93]
Hodgkins disease (201)	1	0.2	4.98	[0.12 - 27.7]
Multiple myeloma (203)	0	0.48	0.00	[0.00 - 7.72]
Leukemia & aleukemia (204-208)	2	0.83	2.42	[0.29 - 8.73]
Lymphoid leukemia (204)	0	0.17	0.00	[0.00 - 21.1]
Myeloid leukemia (205)	1	0.42	2.35	[0.06 - 13.1]
BENIGN NEOPLASMS (210-239)	0	0.5	0.00	[0.00 - 7.35]
DIS. OF ENDOCRINE SYSTEM & BLOOD (240-289)	1	2.65	0.38	[0.01 - 2.10]
MENTAL DISORDERS (290-319)	1	1.5	0.67	[0.02 - 3.72]
DIS. OF NERVOUS SYSTEM (320-389)	1	2.04	0.49	[0.01 - 2.73]
DIS. OF CIRCULATORY SYSTEM (390-459)	62	60.79	1.02	[0.78 - 1.31]
Hypertension (401-405)	2	1.34	1.50	[0.18 - 5.41]
Ischaemic heart disease (410-414)	35	31.34	1.12	[0.78 - 1.55]
Cerebrovascular (430-438)	22	18.54	1.19	[0.74 - 1.80]
Other heart diseases (4150,4152-4299)	0	4.01	0.00	[0.00 - 0.92]
DIS. OF RESPIRATORY SYSTEM (460-519)	11	11.41	0.96	[0.48 - 1.73]
Influenza (487)	0	0.35	0.00	[0.00 - 10.4]
Pneumonia (480-486)	8	5.97	1.34	[0.58 - 2.64]
Bronchitis,emphysema & asthma (490-493)	3	2.42	1.24	[0.26 - 3.62]
Pneumoconioses (500-508)	0	0.05	0.00	[0.00 - 72.1]
DIS. OF DIGESTIVE SYSTEM (520-579)	2	4.54	0.44	[0.05 - 1.59]
Liver cirrhosis (571)	0	0.94	0.00	[0.00 - 3.93]
DIS. OF GENITO-URINARY SYSTEM (580-629)	2	2.09	0.96	[0.12 - 3.45]
Nephritis & nephrosis (580-589)	0	1.05	0.00	[0.00 - 3.53]
DIS. OF THE SKIN (680-739)	0	0.99	0.00	[0.00 - 3.72]
SYMPTOMS AND ILL-DEFINED CONDITIONS (780-799)	0	1.07	0.00	[0.00 - 3.46]
EXTERNAL CAUSES (E800-999)	4	5.6	0.71	[0.19 - 1.83]
Traffic accident (E810-819)	1	1.03	0.97	[0.02 - 5.39]
Suicide (E950-959)	0	1.62	0.00	[0.00 - 2.28]
Homicide (E960-969)	0	0.15	0.00	[0.00 - 24.7]
Other external causes (E800-807,E820-949,E970-999)	3	2.8	1.07	[0.22 - 3.13]
UNKNOWN CAUSES	0			
OTHER CAUSES	0			

Table 2.10.4
Mortality by cause

TOTAL COHORT

Ever exposed to CLIO (inorganic chlorine compounds)

Causes of death (ICD 9th.revision)	Observed	Expected	SMR	95% Confidence intervals
ALL CAUSES	2967	3179.6	0.93	[0.90 - 0.97]
ALL MALIGNANT NEOPLASMS (140-208)	709	784.01	0.90	[0.84 - 0.97]
Oral cavity & pharynx (140-149)	11	18.96	0.58	[0.29 - 1.04]
Oral cavity (141,143-145)	5	7.58	0.66	[0.21 - 1.54]
Nasopharynx (147)	1	1.27	0.78	[0.02 - 4.37]
Oesophagus (150)	19	21.7	0.88	[0.53 - 1.37]
Stomach (151)	66	75.36	0.88	[0.68 - 1.11]
Colon (153)	44	55.09	0.80	[0.58 - 1.07]
Rectum (154)	31	36.07	0.86	[0.58 - 1.22]
Liver (155)	17	15.94	1.07	[0.62 - 1.71]
Gallbladder (156)	4	6.18	0.65	[0.18 - 1.66]
Pancreas (157)	48	39.29	1.22	[0.90 - 1.62]
Peritoneum and other unspecified organs(158-159)	5	3.57	1.40	[0.45 - 3.27]
Nose & sinuses (160)	1	2.73	0.37	[0.01 - 2.04]
Larynx (161)	11	10.36	1.06	[0.53 - 1.90]
Lung (162)	193	190	1.02	[0.88 - 1.17]
Pleura (163)	3	3.05	0.98	[0.20 - 2.87]
Other respiratory organs (164-165)	3	1.65	1.82	[0.38 - 5.32]
Bone (170)	3	3.03	0.99	[0.20 - 2.89]
Soft tissue (171)	3	3.13	0.96	[0.20 - 2.80]
Melanoma (172)	13	11.06	1.18	[0.63 - 2.01]
Other skin (173)	3	2.21	1.36	[0.28 - 3.97]
Breast (174-175)	17	18.94	0.90	[0.52 - 1.44]
Cervix uteri (180)	7	4.78	1.46	[0.59 - 3.02]
Corpus uteri & uterus unspecified (179,181-182)	2	2.84	0.70	[0.09 - 2.54]
Ovary (183)	4	7.38	0.54	[0.15 - 1.39]
Other female genital organs (184)	0	0.67	0.00	[0.00 - 5.47]
Prostate (185)	53	62.59	0.85	[0.63 - 1.11]
Testis (186)	3	3.45	0.87	[0.18 - 2.54]
Other male genital organs (187)	2	0.93	2.16	[0.26 - 7.80]
Bladder (188)	22	26.69	0.82	[0.52 - 1.25]
Kidney (189)	10	21.22	0.47	[0.23 - 0.87]
Eye (190)	0	1.13	0.00	[0.00 - 3.27]
Brain (191-192)	12	21.33	0.56	[0.29 - 0.98]
Thyroid (193)	1	2.21	0.45	[0.01 - 2.52]
Other endocrine glands (194)	1	0.99	1.01	[0.03 - 5.63]
Ill defined (195,199)	31	37.6	0.82	[0.56 - 1.17]
Lymphatic & hematopoietic tissue (200-208)	59	62.21	0.95	[0.72 - 1.22]
Non-Hodgkins lymphoma (200,202)	19	18.23	1.04	[0.63 - 1.63]
Hodgkins disease (201)	7	5.71	1.23	[0.49 - 2.52]
Multiple myeloma (203)	12	12.35	0.97	[0.50 - 1.70]
Leukemia & aleukemia (204-208)	21	25.11	0.84	[0.52 - 1.28]
Lymphoid leukemia (204)	3	6.14	0.49	[0.10 - 1.43]
Myeloid leukemia (205)	12	10.39	1.15	[0.60 - 2.02]
BENIGN NEOPLASMS (210-239)	10	14.5	0.69	[0.33 - 1.27]
DIS. OF ENDOCRINE SYSTEM & BLOOD (240-289)	34	51.82	0.66	[0.45 - 0.92]
MENTAL DISORDERS (290-319)	32	32.51	0.98	[0.67 - 1.39]
DIS. OF NERVOUS SYSTEM (320-389)	30	43.97	0.68	[0.46 - 0.97]
DIS. OF CIRCULATORY SYSTEM (390-459)	1409	1421.29	0.99	[0.94 - 1.04]
Hypertension (401-405)	21	32.29	0.65	[0.40 - 0.99]
Ischaemic heart disease (410-414)	919	881.1	1.04	[0.98 - 1.11]
Cerebrovascular (430-438)	267	280.08	0.95	[0.84 - 1.07]
Other heart diseases (4150,4152-4299)	96	117.67	0.82	[0.66 - 1.00]
DIS. OF RESPIRATORY SYSTEM (460-519)	187	217.15	0.86	[0.74 - 0.99]
Influenza (487)	3	6.22	0.48	[0.10 - 1.41]
Pneumonia (480-486)	63	93.55	0.67	[0.52 - 0.86]
Bronchitis,emphysema & asthma (490-493)	86	75.47	1.14	[0.91 - 1.41]
Pneumoconioses (500-508)	2	3.39	0.59	[0.07 - 2.13]
DIS. OF DIGESTIVE SYSTEM (520-579)	100	115.48	0.87	[0.70 - 1.05]
Liver cirrhosis (571)	37	44.03	0.84	[0.59 - 1.16]
DIS. OF GENITO-URINARY SYSTEM (580-629)	38	44.28	0.86	[0.61 - 1.18]
Nephritis & nephrosis (580-589)	16	18.53	0.86	[0.49 - 1.40]
DIS. OF THE SKIN (680-739)	7	11.3	0.62	[0.25 - 1.28]
SYMPTOMS AND ILL-DEFINED CONDITIONS (780-799)	67	99.21	0.68	[0.52 - 0.86]
EXTERNAL CAUSES (E800-999)	267	305.74	0.87	[0.77 - 0.98]
Traffic accident (E810-819)	44	62.81	0.70	[0.51 - 0.94]
Suicide (E950-959)	79	91.87	0.86	[0.68 - 1.07]
Homicide (E960-969)	8	8.33	0.96	[0.41 - 1.89]
Other external causes (E800-807,E820-949,E970-999)	136	142.74	0.95	[0.80 - 1.13]
UNKNOWN CAUSES	21			
OTHER CAUSES	56			

Table 2.10.4
Mortality by cause

TOTAL COHORT

Ever exposed to CLIO (inorganic chlorine compounds)

Men

Causes of death (ICD 9th.revision)	Observed	Expected	SMR	95% Confidence intervals
ALL CAUSES	2692	2847.46	0.95	[0.91 - 0.98]
ALL MALIGNANT NEOPLASMS (140-208)	627	688.71	0.91	[0.84 - 0.98]
Oral cavity & pharynx (140-149)	10	18.02	0.56	[0.27 - 1.02]
Oral cavity (141,143-145)	4	7.15	0.56	[0.15 - 1.43]
Nasopharynx (147)	1	1.21	0.83	[0.02 - 4.62]
Oesophagus (150)	19	20.23	0.94	[0.57 - 1.47]
Stomach (151)	61	68.49	0.89	[0.68 - 1.14]
Colon (153)	42	47.45	0.89	[0.64 - 1.20]
Rectum (154)	30	32.24	0.93	[0.63 - 1.33]
Liver (155)	15	14.37	1.04	[0.58 - 1.72]
Gallbladder (156)	4	4.77	0.84	[0.23 - 2.15]
Pancreas (157)	42	34.59	1.21	[0.88 - 1.64]
Peritoneum and other unspecified organs(158-159)	4	3.09	1.29	[0.35 - 3.31]
Nose & sinuses (160)	1	2.59	0.39	[0.01 - 2.15]
Larynx (161)	11	10.17	1.08	[0.54 - 1.94]
Lung (162)	181	180.4	1.00	[0.86 - 1.16]
Pleura (163)	3	2.92	1.03	[0.21 - 3.01]
Other respiratory organs (164-165)	3	1.54	1.95	[0.40 - 5.69]
Bone (170)	3	2.76	1.09	[0.22 - 3.18]
Soft tissue (171)	2	2.72	0.74	[0.09 - 2.66]
Melanoma (172)	11	9.74	1.13	[0.56 - 2.02]
Other skin (173)	2	1.99	1.01	[0.12 - 3.63]
Breast (174-175)	0	0.7	0.00	[0.00 - 5.31]
Cervix uteri (180)	0	-	-	-
Corpus uteri & uterus unspecified (179,181-182)	0	-	-	-
Ovary (183)	0	-	-	-
Other female genital organs (184)	0	-	-	-
Prostate (185)	53	62.59	0.85	[0.63 - 1.11]
Testis (186)	3	3.45	0.87	[0.18 - 2.54]
Other male genital organs (187)	2	0.93	2.16	[0.26 - 7.80]
Bladder (188)	21	25.26	0.83	[0.51 - 1.27]
Kidney (189)	8	19.2	0.42	[0.18 - 0.82]
Eye (190)	0	0.97	0.00	[0.00 - 3.81]
Brain (191-192)	11	18.78	0.59	[0.29 - 1.05]
Thyroid (193)	1	1.72	0.58	[0.01 - 3.24]
Other endocrine glands (194)	1	0.85	1.17	[0.03 - 6.52]
Ill defined (195,199)	25	32.92	0.76	[0.49 - 1.12]
Lymphatic & hematopoietic tissue (200-208)	55	54.95	1.00	[0.75 - 1.30]
Non-Hodgkins lymphoma (200,202)	18	16.04	1.12	[0.67 - 1.77]
Hodgkins disease (201)	5	5.13	0.98	[0.32 - 2.28]
Multiple myeloma (203)	12	10.82	1.11	[0.57 - 1.94]
Leukemia & aleukemia (204-208)	20	22.29	0.90	[0.55 - 1.39]
Lymphoid leukemia (204)	3	5.59	0.54	[0.11 - 1.57]
Myeloid leukemia (205)	11	9.08	1.21	[0.60 - 2.17]
BENIGN NEOPLASMS (210-239)	10	12.67	0.79	[0.38 - 1.45]
DIS. OF ENDOCRINE SYSTEM & BLOOD (240-289)	30	44.9	0.67	[0.45 - 0.95]
MENTAL DISORDERS (290-319)	30	27.82	1.08	[0.73 - 1.54]
DIS. OF NERVOUS SYSTEM (320-389)	28	37.95	0.74	[0.49 - 1.07]
DIS. OF CIRCULATORY SYSTEM (390-459)	1283	1276.81	1.00	[0.95 - 1.06]
Hypertension (401-405)	16	27.94	0.57	[0.33 - 0.93]
Ischaemic heart disease (410-414)	845	810.86	1.04	[0.97 - 1.11]
Cerebrovascular (430-438)	232	236.98	0.98	[0.86 - 1.11]
Other heart diseases (4150,4152-4299)	90	104.07	0.86	[0.70 - 1.06]
DIS. OF RESPIRATORY SYSTEM (460-519)	170	194.04	0.88	[0.75 - 1.02]
Influenza (487)	3	5.35	0.56	[0.12 - 1.64]
Pneumonia (480-486)	50	80.32	0.62	[0.46 - 0.82]
Bronchitis,emphysema & asthma (490-493)	84	70.27	1.20	[0.95 - 1.48]
Pneumoconioses (500-508)	2	3.31	0.60	[0.07 - 2.18]
DIS. OF DIGESTIVE SYSTEM (520-579)	87	104.18	0.84	[0.67 - 1.03]
Liver cirrhosis (571)	36	41.37	0.87	[0.61 - 1.20]
DIS. OF GENITO-URINARY SYSTEM (580-629)	37	38.92	0.95	[0.67 - 1.31]
Nephritis & nephrosis (580-589)	16	16.21	0.99	[0.56 - 1.60]
DIS. OF THE SKIN (680-739)	5	8.35	0.60	[0.19 - 1.40]
SYMPTOMS AND ILL-DEFINED CONDITIONS (780-799)	63	92.8	0.68	[0.52 - 0.87]
EXTERNAL CAUSES (E800-999)	250	286.94	0.87	[0.77 - 0.99]
Traffic accident (E810-819)	39	59.49	0.66	[0.47 - 0.90]
Suicide (E950-959)	76	86.16	0.88	[0.69 - 1.10]
Homicide (E960-969)	7	7.67	0.91	[0.37 - 1.88]
Other external causes (E800-807,E820-949,E970-999)	128	133.63	0.96	[0.80 - 1.14]
UNKNOWN CAUSES	21			
OTHER CAUSES	51			

Table 2.10.4
Mortality by cause

TOTAL COHORT

Ever exposed to CLIO (inorganic chlorine compounds)

Women

Causes of death (ICD 9th.revision)	Observed	Expected	SMR	95% Confidence intervals
ALL CAUSES	275	332.15	0.83	[0.73 - 0.93]
ALL MALIGNANT NEOPLASMS (140-208)	82	95.3	0.86	[0.68 - 1.07]
Oral cavity & pharynx (140-149)	1	0.94	1.06	[0.03 - 5.91]
Oral cavity (141,143-145)	1	0.43	2.32	[0.06 - 12.9]
Nasopharynx (147)	0	0.07	0.00	[0.00 - 53.6]
Oesophagus (150)	0	1.46	0.00	[0.00 - 2.52]
Stomach (151)	5	6.87	0.73	[0.24 - 1.70]
Colon (153)	2	7.64	0.26	[0.03 - 0.95]
Rectum (154)	1	3.83	0.26	[0.01 - 1.46]
Liver (155)	2	1.57	1.28	[0.15 - 4.61]
Gallbladder (156)	0	1.4	0.00	[0.00 - 2.63]
Pancreas (157)	6	4.7	1.28	[0.47 - 2.78]
Peritoneum and other unspecified organs(158-159)	1	0.48	2.08	[0.05 - 11.6]
Nose & sinuses (160)	0	0.14	0.00	[0.00 - 25.7]
Larynx (161)	0	0.19	0.00	[0.00 - 19.7]
Lung (162)	12	9.59	1.25	[0.65 - 2.18]
Pleura (163)	0	0.13	0.00	[0.00 - 27.7]
Other respiratory organs (164-165)	0	0.11	0.00	[0.00 - 34.9]
Bone (170)	0	0.28	0.00	[0.00 - 13.2]
Soft tissue (171)	1	0.41	2.42	[0.06 - 13.5]
Melanoma (172)	2	1.32	1.52	[0.18 - 5.48]
Other skin (173)	1	0.22	4.58	[0.11 - 25.5]
Breast (174-175)	17	18.24	0.93	[0.54 - 1.49]
Cervix uteri (180)	7	4.78	1.46	[0.59 - 3.02]
Corpus uteri & uterus unspecified (179,181-182)	2	2.84	0.70	[0.09 - 2.54]
Ovary (183)	4	7.38	0.54	[0.15 - 1.39]
Other female genital organs (184)	0	0.67	0.00	[0.00 - 5.47]
Prostate (185)	0	-	-	-
Testis (186)	0	-	-	-
Other male genital organs (187)	0	-	-	-
Bladder (188)	1	1.42	0.70	[0.02 - 3.91]
Kidney (189)	2	2.01	0.99	[0.12 - 3.59]
Eye (190)	0	0.16	0.00	[0.00 - 22.8]
Brain (191-192)	1	2.55	0.39	[0.01 - 2.18]
Thyroid (193)	0	0.49	0.00	[0.00 - 7.45]
Other endocrine glands (194)	0	0.14	0.00	[0.00 - 27.2]
Ill defined (195,199)	6	4.68	1.28	[0.47 - 2.79]
Lymphatic & hematopoietic tissue (200-208)	4	7.26	0.55	[0.15 - 1.41]
Non-Hodgkins lymphoma (200,202)	1	2.2	0.46	[0.01 - 2.54]
Hodgkins disease (201)	2	0.59	3.41	[0.41 - 12.3]
Multiple myeloma (203)	0	1.53	0.00	[0.00 - 2.41]
Leukemia & aleukemia (204-208)	1	2.82	0.35	[0.01 - 1.98]
Lymphoid leukemia (204)	0	0.55	0.00	[0.00 - 6.74]
Myeloid leukemia (205)	1	1.31	0.76	[0.02 - 4.24]
BENIGN NEOPLASMS (210-239)	0	1.83	0.00	[0.00 - 2.01]
DIS. OF ENDOCRINE SYSTEM & BLOOD (240-289)	4	6.92	0.58	[0.16 - 1.48]
MENTAL DISORDERS (290-319)	2	4.69	0.43	[0.05 - 1.54]
DIS. OF NERVOUS SYSTEM (320-389)	2	6.02	0.33	[0.04 - 1.20]
DIS. OF CIRCULATORY SYSTEM (390-459)	126	144.48	0.87	[0.73 - 1.04]
Hypertension (401-405)	5	4.35	1.15	[0.37 - 2.68]
Ischaemic heart disease (410-414)	74	70.23	1.05	[0.83 - 1.32]
Cerebrovascular (430-438)	35	43.11	0.81	[0.57 - 1.13]
Other heart diseases (4150,4152-4299)	6	13.6	0.44	[0.16 - 0.96]
DIS. OF RESPIRATORY SYSTEM (460-519)	17	23.11	0.74	[0.43 - 1.18]
Influenza (487)	0	0.88	0.00	[0.00 - 4.21]
Pneumonia (480-486)	13	13.23	0.98	[0.52 - 1.68]
Bronchitis,emphysema & asthma (490-493)	2	5.2	0.38	[0.05 - 1.39]
Pneumoconioses (500-508)	0	0.08	0.00	[0.00 - 45.0]
DIS. OF DIGESTIVE SYSTEM (520-579)	13	11.3	1.15	[0.61 - 1.97]
Liver cirrhosis (571)	1	2.66	0.38	[0.01 - 2.10]
DIS. OF GENITO-URINARY SYSTEM (580-629)	1	5.36	0.19	[0.00 - 1.04]
Nephritis & nephrosis (580-589)	0	2.32	0.00	[0.00 - 1.59]
DIS. OF THE SKIN (680-739)	2	2.95	0.68	[0.08 - 2.45]
SYMPTOMS AND ILL-DEFINED CONDITIONS (780-799)	4	6.41	0.62	[0.17 - 1.60]
EXTERNAL CAUSES (E800-999)	17	18.8	0.90	[0.53 - 1.45]
Traffic accident (E810-819)	5	3.32	1.50	[0.49 - 3.51]
Suicide (E950-959)	3	5.71	0.53	[0.11 - 1.54]
Homicide (E960-969)	1	0.66	1.52	[0.04 - 8.45]
Other external causes (E800-807,E820-949,E970-999)	8	9.11	0.88	[0.38 - 1.73]
UNKNOWN CAUSES	0			
OTHER CAUSES	5			

Table 2.10.5
Mortality by cause

TOTAL COHORT

Ever exposed to CLNV (nonvolatile organochlorine compounds)

Causes of death (ICD 9th.revision)	Observed	Expected	SMR	95% Confidence intervals
ALL CAUSES	4644	4942.14	0.94	[0.91 - 0.97]
ALL MALIGNANT NEOPLASMS (140-208)	1148	1219.97	0.94	[0.89 - 1.00]
Oral cavity & pharynx (140-149)	15	29.31	0.51	[0.29 - 0.84]
Oral cavity (141,143-145)	7	11.97	0.58	[0.24 - 1.21]
Nasopharynx (147)	1	2.04	0.49	[0.01 - 2.73]
Oesophagus (150)	26	33.22	0.78	[0.51 - 1.15]
Stomach (151)	98	110.35	0.89	[0.72 - 1.08]
Colon (153)	62	83.28	0.74	[0.57 - 0.95]
Rectum (154)	51	53.25	0.96	[0.71 - 1.26]
Liver (155)	16	23.1	0.69	[0.40 - 1.12]
Gallbladder (156)	6	10.8	0.56	[0.20 - 1.21]
Pancreas (157)	69	61.59	1.12	[0.87 - 1.42]
Peritoneum and other unspecified organs(158-159)	8	6.78	1.18	[0.51 - 2.33]
Nose & sinuses (160)	3	4.23	0.71	[0.15 - 2.07]
Larynx (161)	20	16.29	1.23	[0.75 - 1.90]
Lung (162)	315	300.81	1.05	[0.93 - 1.17]
Pleura (163)	4	5.1	0.78	[0.21 - 2.01]
Other respiratory organs (164-165)	2	3.02	0.66	[0.08 - 2.39]
Bone (170)	1	5.02	0.20	[0.00 - 1.11]
Soft tissue (171)	4	5.02	0.80	[0.22 - 2.04]
Melanoma (172)	21	18.03	1.16	[0.72 - 1.78]
Other skin (173)	3	3.34	0.90	[0.19 - 2.62]
Breast (174-175)	32	36.11	0.89	[0.61 - 1.25]
Cervix uteri (180)	11	9.79	1.12	[0.56 - 2.01]
Corpus uteri & uterus unspecified (179,181-182)	4	5.9	0.68	[0.18 - 1.74]
Ovary (183)	12	13.97	0.86	[0.44 - 1.50]
Other female genital organs (184)	2	1.28	1.56	[0.19 - 5.63]
Prostate (185)	84	90.56	0.93	[0.74 - 1.15]
Testis (186)	3	5.78	0.52	[0.11 - 1.52]
Other male genital organs (187)	5	1.39	3.60	[1.17 - 8.40]
Bladder (188)	43	39.63	1.08	[0.79 - 1.46]
Kidney (189)	18	34.27	0.53	[0.31 - 0.83]
Eye (190)	0	1.81	0.00	[0.00 - 2.04]
Brain (191-192)	28	35.16	0.80	[0.53 - 1.15]
Thyroid (193)	1	3.67	0.27	[0.01 - 1.52]
Other endocrine glands (194)	2	1.74	1.15	[0.14 - 4.16]
Ill defined (195,199)	63	55.9	1.13	[0.87 - 1.44]
Lymphatic & hematopoietic tissue (200-208)	98	97.6	1.00	[0.82 - 1.22]
Non-Hodgkins lymphoma (200,202)	25	29.22	0.86	[0.55 - 1.26]
Hodgkins disease (201)	17	9.66	1.76	[1.02 - 2.82]
Multiple myeloma (203)	20	18.61	1.07	[0.66 - 1.66]
Leukemia & aleukemia (204-208)	36	39.43	0.91	[0.64 - 1.26]
Lymphoid leukemia (204)	6	10.01	0.60	[0.22 - 1.30]
Myeloid leukemia (205)	21	17.02	1.23	[0.76 - 1.89]
BENIGN NEOPLASMS (210-239)	18	22.41	0.80	[0.48 - 1.27]
DIS. OF ENDOCRINE SYSTEM & BLOOD (240-289)	59	83.42	0.71	[0.54 - 0.91]
MENTAL DISORDERS (290-319)	49	54.42	0.90	[0.67 - 1.19]
DIS. OF NERVOUS SYSTEM (320-389)	47	68.6	0.69	[0.50 - 0.91]
DIS. OF CIRCULATORY SYSTEM (390-459)	2158	2175	0.99	[0.95 - 1.03]
Hypertension (401-405)	31	47.55	0.65	[0.44 - 0.93]
Ischaemic heart disease (410-414)	1393	1365.26	1.02	[0.97 - 1.08]
Cerebrovascular (430-438)	388	418.46	0.93	[0.84 - 1.02]
Other heart diseases (4150,4152-4299)	146	177.34	0.82	[0.70 - 0.97]
DIS. OF RESPIRATORY SYSTEM (460-519)	266	324.82	0.82	[0.72 - 0.92]
Influenza (487)	6	10.11	0.59	[0.22 - 1.29]
Pneumonia (480-486)	92	135.15	0.68	[0.55 - 0.83]
Bronchitis,emphysema & asthma (490-493)	126	118.91	1.06	[0.88 - 1.26]
Pneumoconioses (500-508)	1	5.08	0.20	[0.00 - 1.10]
DIS. OF DIGESTIVE SYSTEM (520-579)	166	183.96	0.90	[0.77 - 1.05]
Liver cirrhosis (571)	70	73.49	0.95	[0.74 - 1.20]
DIS. OF GENITO-URINARY SYSTEM (580-629)	50	66.45	0.75	[0.56 - 0.99]
Nephritis & nephrosis (580-589)	19	27.85	0.68	[0.41 - 1.07]
DIS. OF THE SKIN (680-739)	12	17.4	0.69	[0.36 - 1.20]
SYMPTOMS AND ILL-DEFINED CONDITIONS (780-799)	107	138.79	0.77	[0.63 - 0.93]
EXTERNAL CAUSES (E800-999)	450	523.3	0.86	[0.78 - 0.94]
Traffic accident (E810-819)	73	105.76	0.69	[0.54 - 0.87]
Suicide (E950-959)	126	168.28	0.75	[0.62 - 0.89]
Homicide (E960-969)	13	13.3	0.98	[0.52 - 1.67]
Other external causes (E800-807,E820-949,E970-999)	238	235.97	1.01	[0.88 - 1.15]
UNKNOWN CAUSES	39			
OTHER CAUSES	75			

**Table 2.10.5
Mortality by cause**

TOTAL COHORT

Ever exposed to CLNV (nonvolatile organochlorine compounds)

Men

Causes of death (ICD 9th.revision)	Observed	Expected	SMR	95% Confidence intervals
ALL CAUSES	4046	4313.3	0.94	[0.91 - 0.97]
ALL MALIGNANT NEOPLASMS (140-208)	967	1037.82	0.93	[0.87 - 0.99]
Oral cavity & pharynx (140-149)	14	27.55	0.51	[0.28 - 0.85]
Oral cavity (141,143-145)	6	11.15	0.54	[0.20 - 1.17]
Nasopharynx (147)	1	1.88	0.53	[0.01 - 2.96]
Oesophagus (150)	23	30.45	0.76	[0.48 - 1.13]
Stomach (151)	88	97.82	0.90	[0.72 - 1.11]
Colon (153)	57	68.96	0.83	[0.63 - 1.07]
Rectum (154)	42	46.07	0.91	[0.66 - 1.23]
Liver (155)	13	20.22	0.64	[0.34 - 1.10]
Gallbladder (156)	5	7.56	0.66	[0.21 - 1.54]
Pancreas (157)	58	52.62	1.10	[0.84 - 1.42]
Peritoneum and other unspecified organs(158-159)	6	5.38	1.11	[0.41 - 2.43]
Nose & sinuses (160)	3	3.99	0.75	[0.16 - 2.20]
Larynx (161)	19	15.88	1.20	[0.72 - 1.87]
Lung (162)	286	280.94	1.02	[0.90 - 1.14]
Pleura (163)	4	4.79	0.84	[0.23 - 2.14]
Other respiratory organs (164-165)	2	2.72	0.74	[0.09 - 2.66]
Bone (170)	1	4.42	0.23	[0.01 - 1.26]
Soft tissue (171)	2	4.33	0.46	[0.06 - 1.67]
Melanoma (172)	18	15.59	1.15	[0.68 - 1.82]
Other skin (173)	2	2.91	0.69	[0.08 - 2.48]
Breast (174-175)	0	1.05	0.00	[0.00 - 3.52]
Cervix uteri (180)	0	-	-	-
Corpus uteri & uterus unspecified (179,181-182)	0	-	-	-
Ovary (183)	0	-	-	-
Other female genital organs (184)	0	-	-	-
Prostate (185)	84	90.56	0.93	[0.74 - 1.15]
Testis (186)	3	5.78	0.52	[0.11 - 1.52]
Other male genital organs (187)	5	1.39	3.60	[1.17 - 8.40]
Bladder (188)	39	36.88	1.06	[0.75 - 1.45]
Kidney (189)	16	29.99	0.53	[0.30 - 0.87]
Eye (190)	0	1.51	0.00	[0.00 - 2.45]
Brain (191-192)	20	30.36	0.66	[0.40 - 1.02]
Thyroid (193)	1	2.68	0.37	[0.01 - 2.08]
Other endocrine glands (194)	1	1.45	0.69	[0.02 - 3.85]
Ill defined (195,199)	57	48.41	1.18	[0.89 - 1.53]
Lymphatic & hematopoietic tissue (200-208)	83	84.64	0.98	[0.78 - 1.22]
Non-Hodgkins lymphoma (200,202)	22	25.37	0.87	[0.54 - 1.31]
Hodgkins disease (201)	14	8.46	1.65	[0.90 - 2.78]
Multiple myeloma (203)	18	16.14	1.12	[0.66 - 1.76]
Leukemia & aleukemia (204-208)	29	34.08	0.85	[0.57 - 1.22]
Lymphoid leukemia (204)	6	8.87	0.68	[0.25 - 1.47]
Myeloid leukemia (205)	17	14.56	1.17	[0.68 - 1.87]
BENIGN NEOPLASMS (210-239)	18	18.78	0.96	[0.57 - 1.51]
DIS. OF ENDOCRINE SYSTEM & BLOOD (240-289)	52	69	0.75	[0.56 - 0.99]
MENTAL DISORDERS (290-319)	46	46.29	0.99	[0.73 - 1.33]
DIS. OF NERVOUS SYSTEM (320-389)	35	58.81	0.60	[0.41 - 0.83]
DIS. OF CIRCULATORY SYSTEM (390-459)	1877	1904.15	0.99	[0.94 - 1.03]
Hypertension (401-405)	25	39.12	0.64	[0.41 - 0.94]
Ischaemic heart disease (410-414)	1242	1230.64	1.01	[0.95 - 1.07]
Cerebrovascular (430-438)	320	342.84	0.93	[0.83 - 1.04]
Other heart diseases (4150,4152-4299)	120	152.17	0.79	[0.65 - 0.94]
DIS. OF RESPIRATORY SYSTEM (460-519)	223	285.66	0.78	[0.68 - 0.89]
Influenza (487)	3	8	0.38	[0.08 - 1.10]
Pneumonia (480-486)	67	115.45	0.58	[0.45 - 0.74]
Bronchitis,emphysema & asthma (490-493)	115	106.55	1.08	[0.89 - 1.30]
Pneumoconioses (500-508)	1	4.97	0.20	[0.01 - 1.12]
DIS. OF DIGESTIVE SYSTEM (520-579)	152	161.53	0.94	[0.80 - 1.10]
Liver cirrhosis (571)	67	68.02	0.98	[0.76 - 1.25]
DIS. OF GENITO-URINARY SYSTEM (580-629)	38	54.35	0.70	[0.49 - 0.96]
Nephritis & nephrosis (580-589)	17	23.97	0.71	[0.41 - 1.14]
DIS. OF THE SKIN (680-739)	9	12.7	0.71	[0.32 - 1.35]
SYMPTOMS AND ILL-DEFINED CONDITIONS (780-799)	99	127.35	0.78	[0.63 - 0.95]
EXTERNAL CAUSES (E800-999)	424	482.56	0.88	[0.80 - 0.97]
Traffic accident (E810-819)	69	98.9	0.70	[0.54 - 0.88]
Suicide (E950-959)	120	152.09	0.79	[0.65 - 0.94]
Homicide (E960-969)	13	12.12	1.07	[0.57 - 1.83]
Other external causes (E800-807,E820-949,E970-999)	222	219.45	1.01	[0.88 - 1.15]
UNKNOWN CAUSES	35			
OTHER CAUSES	71			

Table 2.10.5
Mortality by cause

TOTAL COHORT

Ever exposed to CLNV (nonvolatile organochlorine compounds)

Women

Causes of death (ICD 9th.revision)	Observed	Expected	SMR	95% Confidence intervals
ALL CAUSES	598	628.83	0.95	[0.88 - 1.03]
ALL MALIGNANT NEOPLASMS (140-208)	181	182.15	0.99	[0.85 - 1.15]
Oral cavity & pharynx (140-149)	1	1.76	0.57	[0.01 - 3.17]
Oral cavity (141,143-145)	1	0.82	1.23	[0.03 - 6.83]
Nasopharynx (147)	0	0.16	0.00	[0.00 - 22.8]
Oesophagus (150)	3	2.78	1.08	[0.22 - 3.16]
Stomach (151)	10	12.53	0.80	[0.38 - 1.47]
Colon (153)	5	14.32	0.35	[0.11 - 0.81]
Rectum (154)	9	7.17	1.25	[0.57 - 2.38]
Liver (155)	3	2.88	1.04	[0.21 - 3.04]
Gallbladder (156)	1	3.24	0.31	[0.01 - 1.72]
Pancreas (157)	11	8.97	1.23	[0.61 - 2.19]
Peritoneum and other unspecified organs(158-159)	2	1.4	1.43	[0.17 - 5.18]
Nose & sinuses (160)	0	0.24	0.00	[0.00 - 15.2]
Larynx (161)	1	0.4	2.48	[0.06 - 13.8]
Lung (162)	29	19.87	1.46	[0.98 - 2.10]
Pleura (163)	0	0.31	0.00	[0.00 - 11.8]
Other respiratory organs (164-165)	0	0.3	0.00	[0.00 - 12.3]
Bone (170)	0	0.6	0.00	[0.00 - 6.17]
Soft tissue (171)	2	0.69	2.90	[0.35 - 10.5]
Melanoma (172)	3	2.44	1.23	[0.25 - 3.60]
Other skin (173)	1	0.43	2.32	[0.06 - 12.9]
Breast (174-175)	32	35.06	0.91	[0.62 - 1.29]
Cervix uteri (180)	11	9.79	1.12	[0.56 - 2.01]
Corpus uteri & uterus unspecified (179,181-182)	4	5.9	0.68	[0.18 - 1.74]
Ovary (183)	12	13.97	0.86	[0.44 - 1.50]
Other female genital organs (184)	2	1.28	1.56	[0.19 - 5.63]
Prostate (185)	0	-	-	-
Testis (186)	0	-	-	-
Other male genital organs (187)	0	-	-	-
Bladder (188)	4	2.75	1.45	[0.40 - 3.72]
Kidney (189)	2	4.28	0.47	[0.06 - 1.69]
Eye (190)	0	0.3	0.00	[0.00 - 12.2]
Brain (191-192)	8	4.8	1.67	[0.72 - 3.28]
Thyroid (193)	0	0.99	0.00	[0.00 - 3.73]
Other endocrine glands (194)	1	0.29	3.47	[0.09 - 19.3]
Ill defined (195,199)	6	7.48	0.80	[0.29 - 1.75]
Lymphatic & hematopoietic tissue (200-208)	15	12.96	1.16	[0.65 - 1.91]
Non-Hodgkins lymphoma (200,202)	3	3.85	0.78	[0.16 - 2.28]
Hodgkins disease (201)	3	1.2	2.50	[0.52 - 7.31]
Multiple myeloma (203)	2	2.48	0.81	[0.10 - 2.91]
Leukemia & aleukemia (204-208)	7	5.35	1.31	[0.53 - 2.70]
Lymphoid leukemia (204)	0	1.14	0.00	[0.00 - 3.24]
Myeloid leukemia (205)	4	2.46	1.63	[0.44 - 4.17]
BENIGN NEOPLASMS (210-239)	0	3.63	0.00	[0.00 - 1.02]
DIS. OF ENDOCRINE SYSTEM & BLOOD (240-289)	7	14.42	0.49	[0.20 - 1.00]
MENTAL DISORDERS (290-319)	3	8.13	0.37	[0.08 - 1.08]
DIS. OF NERVOUS SYSTEM (320-389)	12	9.79	1.23	[0.63 - 2.14]
DIS. OF CIRCULATORY SYSTEM (390-459)	281	270.85	1.04	[0.92 - 1.17]
Hypertension (401-405)	6	8.42	0.71	[0.26 - 1.55]
Ischaemic heart disease (410-414)	151	134.63	1.12	[0.95 - 1.32]
Cerebrovascular (430-438)	68	75.62	0.90	[0.70 - 1.14]
Other heart diseases (4150,4152-4299)	26	25.16	1.03	[0.68 - 1.51]
DIS. OF RESPIRATORY SYSTEM (460-519)	43	39.16	1.10	[0.79 - 1.48]
Influenza (487)	3	2.12	1.42	[0.29 - 4.14]
Pneumonia (480-486)	25	19.7	1.27	[0.82 - 1.87]
Bronchitis,emphysema & asthma (490-493)	11	12.36	0.89	[0.44 - 1.59]
Pneumoconioses (500-508)	0	0.1	0.00	[0.00 - 35.3]
DIS. OF DIGESTIVE SYSTEM (520-579)	14	22.43	0.62	[0.34 - 1.05]
Liver cirrhosis (571)	3	5.47	0.55	[0.11 - 1.60]
DIS. OF GENITO-URINARY SYSTEM (580-629)	12	12.1	0.99	[0.51 - 1.73]
Nephritis & nephrosis (580-589)	2	3.88	0.52	[0.06 - 1.86]
DIS. OF THE SKIN (680-739)	3	4.7	0.64	[0.13 - 1.87]
SYMPTOMS AND ILL-DEFINED CONDITIONS (780-799)	8	11.44	0.70	[0.30 - 1.38]
EXTERNAL CAUSES (E800-999)	26	40.74	0.64	[0.42 - 0.94]
Traffic accident (E810-819)	4	6.86	0.58	[0.16 - 1.49]
Suicide (E950-959)	6	16.19	0.37	[0.14 - 0.81]
Homicide (E960-969)	0	1.18	0.00	[0.00 - 3.13]
Other external causes (E800-807,E820-949,E970-999)	16	16.52	0.97	[0.55 - 1.57]
UNKNOWN CAUSES	4			
OTHER CAUSES	4			

Table 2.10.6
Mortality by cause

TOTAL COHORT

Ever exposed to CLVO (volatile organochlorine compounds)

Causes of death (ICD 9th.revision)	Observed	Expected	SMR	95% Confidence intervals
ALL CAUSES	9393	10365.8	0.91	[0.89 - 0.92]
ALL MALIGNANT NEOPLASMS (140-208)	2290	2462.07	0.93	[0.89 - 0.97]
Oral cavity & pharynx (140-149)	33	54.74	0.60	[0.41 - 0.85]
Oral cavity (141,143-145)	18	22.47	0.80	[0.47 - 1.27]
Nasopharynx (147)	2	3.89	0.51	[0.06 - 1.86]
Oesophagus (150)	45	61.37	0.73	[0.53 - 0.98]
Stomach (151)	201	244.84	0.82	[0.71 - 0.94]
Colon (153)	140	164.06	0.85	[0.72 - 1.01]
Rectum (154)	98	108.38	0.90	[0.73 - 1.10]
Liver (155)	33	44.34	0.74	[0.51 - 1.05]
Gallbladder (156)	14	21.27	0.66	[0.36 - 1.10]
Pancreas (157)	115	127.17	0.90	[0.75 - 1.09]
Peritoneum and other unspecified organs(158-159)	8	12.58	0.64	[0.27 - 1.25]
Nose & sinuses (160)	7	8.09	0.87	[0.35 - 1.78]
Larynx (161)	29	29.51	0.98	[0.66 - 1.41]
Lung (162)	617	589.07	1.05	[0.97 - 1.13]
Pleura (163)	20	10	2.00	[1.22 - 3.09]
Other respiratory organs (164-165)	10	5.83	1.72	[0.82 - 3.15]
Bone (170)	2	9.65	0.21	[0.03 - 0.75]
Soft tissue (171)	12	10.6	1.13	[0.59 - 1.98]
Melanoma (172)	42	37.59	1.12	[0.81 - 1.51]
Other skin (173)	5	6.96	0.72	[0.23 - 1.68]
Breast (174-175)	63	65.9	0.96	[0.73 - 1.22]
Cervix uteri (180)	17	17.15	0.99	[0.58 - 1.59]
Corpus uteri & uterus unspecified (179,181-182)	6	10.36	0.58	[0.21 - 1.26]
Ovary (183)	23	25.9	0.89	[0.56 - 1.33]
Other female genital organs (184)	3	2.48	1.21	[0.25 - 3.54]
Prostate (185)	177	205.77	0.86	[0.74 - 1.00]
Testis (186)	8	11.09	0.72	[0.31 - 1.42]
Other male genital organs (187)	7	2.79	2.51	[1.01 - 5.17]
Bladder (188)	87	79.62	1.09	[0.88 - 1.35]
Kidney (189)	54	69.93	0.77	[0.58 - 1.01]
Eye (190)	2	3.89	0.51	[0.06 - 1.86]
Brain (191-192)	68	69.07	0.98	[0.76 - 1.25]
Thyroid (193)	4	7.62	0.52	[0.14 - 1.34]
Other endocrine glands (194)	3	3.59	0.84	[0.17 - 2.44]
Ill defined (195,199)	113	113.07	1.00	[0.82 - 1.20]
Lymphatic & hematopoietic tissue (200-208)	190	202.58	0.94	[0.81 - 1.08]
Non-Hodgkins lymphoma (200,202)	52	60.24	0.86	[0.64 - 1.13]
Hodgkins disease (201)	21	19.7	1.07	[0.66 - 1.63]
Multiple myeloma (203)	41	40.25	1.02	[0.73 - 1.38]
Leukemia & aleukemia (204-208)	76	81.08	0.94	[0.74 - 1.17]
Lymphoid leukemia (204)	14	20.4	0.69	[0.38 - 1.15]
Myeloid leukemia (205)	30	33.95	0.88	[0.60 - 1.26]
BENIGN NEOPLASMS (210-239)	37	46.02	0.80	[0.57 - 1.11]
DIS. OF ENDOCRINE SYSTEM & BLOOD (240-289)	114	166.73	0.68	[0.56 - 0.82]
MENTAL DISORDERS (290-319)	71	116.05	0.61	[0.48 - 0.77]
DIS. OF NERVOUS SYSTEM (320-389)	123	143.29	0.86	[0.71 - 1.02]
DIS. OF CIRCULATORY SYSTEM (390-459)	4454	4701.31	0.95	[0.92 - 0.98]
Hypertension (401-405)	87	105.03	0.83	[0.66 - 1.02]
Ischaemic heart disease (410-414)	2798	2945.83	0.95	[0.91 - 0.99]
Cerebrovascular (430-438)	796	920.75	0.86	[0.81 - 0.93]
Other heart diseases (4150,4152-4299)	290	383.31	0.76	[0.67 - 0.85]
DIS. OF RESPIRATORY SYSTEM (460-519)	562	693.93	0.81	[0.74 - 0.88]
Influenza (487)	15	23.04	0.65	[0.36 - 1.07]
Pneumonia (480-486)	227	313.01	0.73	[0.63 - 0.83]
Bronchitis,emphysema & asthma (490-493)	231	241.31	0.96	[0.84 - 1.09]
Pneumoconioses (500-508)	4	8.79	0.46	[0.12 - 1.17]
DIS. OF DIGESTIVE SYSTEM (520-579)	303	359.78	0.84	[0.75 - 0.94]
Liver cirrhosis (571)	120	129.12	0.93	[0.77 - 1.11]
DIS. OF GENITO-URINARY SYSTEM (580-629)	113	145.11	0.78	[0.64 - 0.94]
Nephritis & nephrosis (580-589)	38	60.17	0.63	[0.45 - 0.87]
DIS. OF THE SKIN (680-739)	31	36.74	0.84	[0.57 - 1.20]
SYMPTOMS AND ILL-DEFINED CONDITIONS (780-799)	240	300.68	0.80	[0.70 - 0.91]
EXTERNAL CAUSES (E800-999)	857	1048.41	0.82	[0.76 - 0.87]
Traffic accident (E810-819)	133	206.43	0.64	[0.54 - 0.76]
Suicide (E950-959)	225	319.12	0.71	[0.62 - 0.80]
Homicide (E960-969)	22	32.1	0.69	[0.43 - 1.04]
Other external causes (E800-807,E820-949,E970-999)	477	490.78	0.97	[0.89 - 1.06]
UNKNOWN CAUSES	53			
OTHER CAUSES	145			

Table 2.10.6
Mortality by cause

TOTAL COHORT

Ever exposed to CLVO (volatile organochlorine compounds)

Men

Causes of death (ICD 9th.revision)	Observed	Expected	SMR	95% Confidence intervals
ALL CAUSES	8312	9212.7	0.90	[0.88 - 0.92]
ALL MALIGNANT NEOPLASMS (140-208)	1970	2131.38	0.92	[0.88 - 0.97]
Oral cavity & pharynx (140-149)	32	51.48	0.62	[0.43 - 0.88]
Oral cavity (141,143-145)	17	20.92	0.81	[0.47 - 1.30]
Nasopharynx (147)	2	3.6	0.56	[0.07 - 2.01]
Oesophagus (150)	41	56.7	0.72	[0.52 - 0.98]
Stomach (151)	179	221.1	0.81	[0.70 - 0.94]
Colon (153)	127	138.44	0.92	[0.76 - 1.09]
Rectum (154)	84	95.43	0.88	[0.70 - 1.09]
Liver (155)	28	39.24	0.71	[0.47 - 1.03]
Gallbladder (156)	12	15.57	0.77	[0.40 - 1.35]
Pancreas (157)	99	110.63	0.89	[0.73 - 1.09]
Peritoneum and other unspecified organs(158-159)	6	10.34	0.58	[0.21 - 1.26]
Nose & sinuses (160)	7	7.58	0.92	[0.37 - 1.90]
Larynx (161)	28	28.9	0.97	[0.64 - 1.40]
Lung (162)	576	556.85	1.03	[0.95 - 1.12]
Pleura (163)	19	9.48	2.00	[1.21 - 3.13]
Other respiratory organs (164-165)	10	5.34	1.87	[0.90 - 3.44]
Bone (170)	2	8.59	0.23	[0.03 - 0.84]
Soft tissue (171)	8	9.11	0.88	[0.38 - 1.73]
Melanoma (172)	37	32.82	1.13	[0.79 - 1.55]
Other skin (173)	4	6.19	0.65	[0.18 - 1.66]
Breast (174-175)	1	1.97	0.51	[0.01 - 2.82]
Cervix uteri (180)	0	-	-	-
Corpus uteri & uterus unspecified (179,181-182)	0	-	-	-
Ovary (183)	0	-	-	-
Other female genital organs (184)	0	-	-	-
Prostate (185)	177	205.77	0.86	[0.74 - 1.00]
Testis (186)	8	11.09	0.72	[0.31 - 1.42]
Other male genital organs (187)	7	2.79	2.51	[1.01 - 5.17]
Bladder (188)	80	74.81	1.07	[0.85 - 1.33]
Kidney (189)	50	62.28	0.80	[0.60 - 1.06]
Eye (190)	2	3.31	0.60	[0.07 - 2.18]
Brain (191-192)	54	59.9	0.90	[0.68 - 1.18]
Thyroid (193)	4	5.76	0.69	[0.19 - 1.78]
Other endocrine glands (194)	2	3.04	0.66	[0.08 - 2.38]
Ill defined (195,199)	96	97.55	0.98	[0.80 - 1.20]
Lymphatic & hematopoietic tissue (200-208)	163	177.21	0.92	[0.78 - 1.07]
Non-Hodgkins lymphoma (200,202)	48	52.65	0.91	[0.67 - 1.21]
Hodgkins disease (201)	17	17.35	0.98	[0.57 - 1.57]
Multiple myeloma (203)	35	35.16	1.00	[0.69 - 1.38]
Leukemia & aleukemia (204-208)	63	70.86	0.89	[0.68 - 1.14]
Lymphoid leukemia (204)	13	18.32	0.71	[0.38 - 1.21]
Myeloid leukemia (205)	25	29.18	0.86	[0.55 - 1.26]
BENIGN NEOPLASMS (210-239)	34	39.16	0.87	[0.60 - 1.21]
DIS. OF ENDOCRINE SYSTEM & BLOOD (240-289)	94	140.92	0.67	[0.54 - 0.82]
MENTAL DISORDERS (290-319)	67	99.11	0.68	[0.52 - 0.86]
DIS. OF NERVOUS SYSTEM (320-389)	106	123.44	0.86	[0.70 - 1.04]
DIS. OF CIRCULATORY SYSTEM (390-459)	3971	4203.73	0.94	[0.92 - 0.97]
Hypertension (401-405)	69	89.34	0.77	[0.60 - 0.98]
Ischaemic heart disease (410-414)	2549	2703.86	0.94	[0.91 - 0.98]
Cerebrovascular (430-438)	678	777.63	0.87	[0.81 - 0.94]
Other heart diseases (4150,4152-4299)	248	333.63	0.74	[0.65 - 0.84]
DIS. OF RESPIRATORY SYSTEM (460-519)	484	619.97	0.78	[0.71 - 0.85]
Influenza (487)	8	19.34	0.41	[0.18 - 0.82]
Pneumonia (480-486)	179	271.86	0.66	[0.57 - 0.76]
Bronchitis,emphysema & asthma (490-493)	214	222.01	0.96	[0.84 - 1.10]
Pneumoconioses (500-508)	4	8.56	0.47	[0.13 - 1.20]
DIS. OF DIGESTIVE SYSTEM (520-579)	270	319.29	0.85	[0.75 - 0.95]
Liver cirrhosis (571)	110	119.13	0.92	[0.76 - 1.11]
DIS. OF GENITO-URINARY SYSTEM (580-629)	94	124.47	0.76	[0.61 - 0.92]
Nephritis & nephrosis (580-589)	35	52.94	0.66	[0.46 - 0.92]
DIS. OF THE SKIN (680-739)	24	27.36	0.88	[0.56 - 1.31]
SYMPTOMS AND ILL-DEFINED CONDITIONS (780-799)	226	279.43	0.81	[0.71 - 0.92]
EXTERNAL CAUSES (E800-999)	796	977.17	0.81	[0.76 - 0.87]
Traffic accident (E810-819)	124	193.58	0.64	[0.53 - 0.76]
Suicide (E950-959)	211	293.77	0.72	[0.62 - 0.82]
Homicide (E960-969)	22	29.87	0.74	[0.46 - 1.12]
Other external causes (E800-807,E820-949,E970-999)	439	459.97	0.95	[0.87 - 1.05]
UNKNOWN CAUSES	46			
OTHER CAUSES	130			

**Table 2.10.6
Mortality by cause**

TOTAL COHORT
Ever exposed to CLVO (volatile organochlorine compounds)
Women

Causes of death (ICD 9th.revision)	Observed	Expected	SMR	95% Confidence intervals
ALL CAUSES	1081	1153.12	0.94	[0.88 - 1.00]
ALL MALIGNANT NEOPLASMS (140-208)	320	330.7	0.97	[0.86 - 1.08]
Oral cavity & pharynx (140-149)	1	3.25	0.31	[0.01 - 1.71]
Oral cavity (141,143-145)	1	1.55	0.64	[0.02 - 3.59]
Nasopharynx (147)	0	0.29	0.00	[0.00 - 12.8]
Oesophagus (150)	4	4.68	0.86	[0.23 - 2.19]
Stomach (151)	22	23.74	0.93	[0.58 - 1.40]
Colon (153)	13	25.62	0.51	[0.27 - 0.87]
Rectum (154)	14	12.95	1.08	[0.59 - 1.81]
Liver (155)	5	5.11	0.98	[0.32 - 2.28]
Gallbladder (156)	2	5.7	0.35	[0.04 - 1.27]
Pancreas (157)	16	16.54	0.97	[0.55 - 1.57]
Peritoneum and other unspecified organs(158-159)	2	2.24	0.89	[0.11 - 3.23]
Nose & sinuses (160)	0	0.51	0.00	[0.00 - 7.24]
Larynx (161)	1	0.62	1.62	[0.04 - 9.02]
Lung (162)	41	32.23	1.27	[0.91 - 1.73]
Pleura (163)	1	0.52	1.91	[0.05 - 10.6]
Other respiratory organs (164-165)	0	0.49	0.00	[0.00 - 7.58]
Bone (170)	0	1.06	0.00	[0.00 - 3.47]
Soft tissue (171)	4	1.48	2.70	[0.73 - 6.90]
Melanoma (172)	5	4.77	1.05	[0.34 - 2.45]
Other skin (173)	1	0.77	1.30	[0.03 - 7.22]
Breast (174-175)	62	63.93	0.97	[0.74 - 1.24]
Cervix uteri (180)	17	17.15	0.99	[0.58 - 1.59]
Corpus uteri & uterus unspecified (179,181-182)	6	10.36	0.58	[0.21 - 1.26]
Ovary (183)	23	25.9	0.89	[0.56 - 1.33]
Other female genital organs (184)	3	2.48	1.21	[0.25 - 3.54]
Prostate (185)	0	-	-	-
Testis (186)	0	-	-	-
Other male genital organs (187)	0	-	-	-
Bladder (188)	7	4.81	1.45	[0.58 - 3.00]
Kidney (189)	4	7.64	0.52	[0.14 - 1.34]
Eye (190)	0	0.58	0.00	[0.00 - 6.41]
Brain (191-192)	14	9.17	1.53	[0.84 - 2.56]
Thyroid (193)	0	1.86	0.00	[0.00 - 1.98]
Other endocrine glands (194)	1	0.55	1.83	[0.05 - 10.2]
Ill defined (195,199)	17	15.52	1.10	[0.64 - 1.75]
Lymphatic & hematopoietic tissue (200-208)	27	25.36	1.06	[0.70 - 1.55]
Non-Hodgkins lymphoma (200,202)	4	7.58	0.53	[0.14 - 1.35]
Hodgkins disease (201)	4	2.34	1.71	[0.47 - 4.37]
Multiple myeloma (203)	6	5.09	1.18	[0.43 - 2.56]
Leukemia & aleukemia (204-208)	13	10.22	1.27	[0.68 - 2.17]
Lymphoid leukemia (204)	1	2.08	0.48	[0.01 - 2.68]
Myeloid leukemia (205)	5	4.77	1.05	[0.34 - 2.45]
BENIGN NEOPLASMS (210-239)	3	6.86	0.44	[0.09 - 1.28]
DIS. OF ENDOCRINE SYSTEM & BLOOD (240-289)	20	25.8	0.78	[0.47 - 1.20]
MENTAL DISORDERS (290-319)	4	16.93	0.24	[0.06 - 0.60]
DIS. OF NERVOUS SYSTEM (320-389)	17	19.85	0.86	[0.50 - 1.37]
DIS. OF CIRCULATORY SYSTEM (390-459)	483	497.59	0.97	[0.89 - 1.06]
Hypertension (401-405)	18	15.69	1.15	[0.68 - 1.81]
Ischaemic heart disease (410-414)	249	241.98	1.03	[0.91 - 1.17]
Cerebrovascular (430-438)	118	143.13	0.82	[0.68 - 0.99]
Other heart diseases (4150,4152-4299)	42	49.68	0.85	[0.61 - 1.14]
DIS. OF RESPIRATORY SYSTEM (460-519)	78	73.95	1.05	[0.83 - 1.32]
Influenza (487)	7	3.7	1.89	[0.76 - 3.90]
Pneumonia (480-486)	48	41.14	1.17	[0.86 - 1.55]
Bronchitis,emphysema & asthma (490-493)	17	19.3	0.88	[0.51 - 1.41]
Pneumoconioses (500-508)	0	0.22	0.00	[0.00 - 16.5]
DIS. OF DIGESTIVE SYSTEM (520-579)	33	40.49	0.81	[0.56 - 1.14]
Liver cirrhosis (571)	10	9.99	1.00	[0.48 - 1.84]
DIS. OF GENITO-URINARY SYSTEM (580-629)	19	20.65	0.92	[0.55 - 1.44]
Nephritis & nephrosis (580-589)	3	7.23	0.41	[0.09 - 1.21]
DIS. OF THE SKIN (680-739)	7	9.38	0.75	[0.30 - 1.54]
SYMPTOMS AND ILL-DEFINED CONDITIONS (780-799)	14	21.25	0.66	[0.36 - 1.11]
EXTERNAL CAUSES (E800-999)	61	71.24	0.86	[0.65 - 1.10]
Traffic accident (E810-819)	9	12.85	0.70	[0.32 - 1.33]
Suicide (E950-959)	14	25.35	0.55	[0.30 - 0.93]
Homicide (E960-969)	0	2.23	0.00	[0.00 - 1.66]
Other external causes (E800-807,E820-949,E970-999)	38	30.82	1.23	[0.87 - 1.69]
UNKNOWN CAUSES	7			
OTHER CAUSES	15			

Table 2.10.7
Mortality by cause

TOTAL COHORT

Ever exposed to COMB (combustion products)

Causes of death (ICD 9th.revision)	Observed	Expected	SMR	95% Confidence intervals
ALL CAUSES	12045	13354.4	0.90	[0.89 - 0.92]
ALL MALIGNANT NEOPLASMS (140-208)	2941	3179.34	0.93	[0.89 - 0.96]
Oral cavity & pharynx (140-149)	52	74.69	0.70	[0.52 - 0.91]
Oral cavity (141,143-145)	24	29.73	0.81	[0.52 - 1.20]
Nasopharynx (147)	2	5.14	0.39	[0.05 - 1.41]
Oesophagus (150)	64	82.19	0.78	[0.60 - 0.99]
Stomach (151)	267	310.72	0.86	[0.76 - 0.97]
Colon (153)	175	213.79	0.82	[0.70 - 0.95]
Rectum (154)	133	141.3	0.94	[0.79 - 1.12]
Liver (155)	54	62.71	0.86	[0.65 - 1.12]
Gallbladder (156)	22	27.25	0.81	[0.51 - 1.22]
Pancreas (157)	164	162.51	1.01	[0.86 - 1.18]
Peritoneum and other unspecified organs(158-159)	11	16.94	0.65	[0.32 - 1.16]
Nose & sinuses (160)	12	10.58	1.13	[0.59 - 1.98]
Larynx (161)	44	41.53	1.06	[0.77 - 1.42]
Lung (162)	759	766.55	0.99	[0.92 - 1.06]
Pleura (163)	22	12.9	1.71	[1.07 - 2.58]
Other respiratory organs (164-165)	11	7.8	1.41	[0.70 - 2.52]
Bone (170)	3	13.12	0.23	[0.05 - 0.67]
Soft tissue (171)	13	13.21	0.98	[0.52 - 1.68]
Melanoma (172)	45	48.62	0.93	[0.68 - 1.24]
Other skin (173)	8	9.22	0.87	[0.37 - 1.71]
Breast (174-175)	67	73.45	0.91	[0.71 - 1.16]
Cervix uteri (180)	17	18.52	0.92	[0.53 - 1.47]
Corpus uteri & uterus unspecified (179,181-182)	9	12.32	0.73	[0.33 - 1.39]
Ovary (183)	27	27.82	0.97	[0.64 - 1.41]
Other female genital organs (184)	3	2.74	1.09	[0.23 - 3.19]
Prostate (185)	226	267.01	0.85	[0.74 - 0.96]
Testis (186)	12	14.57	0.82	[0.43 - 1.44]
Other male genital organs (187)	8	3.63	2.20	[0.95 - 4.34]
Bladder (188)	104	104.19	1.00	[0.82 - 1.21]
Kidney (189)	79	89.01	0.89	[0.70 - 1.11]
Eye (190)	4	4.78	0.84	[0.23 - 2.14]
Brain (191-192)	85	89.24	0.95	[0.76 - 1.18]
Thyroid (193)	5	9.47	0.53	[0.17 - 1.23]
Other endocrine glands (194)	4	4.47	0.90	[0.24 - 2.29]
Ill defined (195,199)	153	143.58	1.07	[0.90 - 1.25]
Lymphatic & hematopoietic tissue (200-208)	237	259.89	0.91	[0.80 - 1.04]
Non-Hodgkins lymphoma (200,202)	71	76.18	0.93	[0.73 - 1.18]
Hodgkins disease (201)	24	24.78	0.97	[0.62 - 1.44]
Multiple myeloma (203)	51	50.65	1.01	[0.75 - 1.32]
Leukemia & aleukemia (204-208)	91	105.17	0.87	[0.70 - 1.06]
Lymphoid leukemia (204)	19	26.57	0.71	[0.43 - 1.12]
Myeloid leukemia (205)	42	43.7	0.96	[0.69 - 1.30]
BENIGN NEOPLASMS (210-239)	45	59.32	0.76	[0.55 - 1.02]
DIS. OF ENDOCRINE SYSTEM & BLOOD (240-289)	158	221.94	0.71	[0.61 - 0.83]
MENTAL DISORDERS (290-319)	99	146.1	0.68	[0.55 - 0.82]
DIS. OF NERVOUS SYSTEM (320-389)	145	182.77	0.79	[0.67 - 0.93]
DIS. OF CIRCULATORY SYSTEM (390-459)	5637	5990.53	0.94	[0.92 - 0.97]
Hypertension (401-405)	109	135.96	0.80	[0.66 - 0.97]
Ischaemic heart disease (410-414)	3575	3728.93	0.96	[0.93 - 0.99]
Cerebrovascular (430-438)	999	1160.45	0.86	[0.81 - 0.92]
Other heart diseases (4150,4152-4299)	383	507.74	0.75	[0.68 - 0.83]
DIS. OF RESPIRATORY SYSTEM (460-519)	712	882.18	0.81	[0.75 - 0.87]
Influenza (487)	17	27.83	0.61	[0.36 - 0.98]
Pneumonia (480-486)	288	387.92	0.74	[0.66 - 0.83]
Bronchitis,emphysema & asthma (490-493)	284	313.12	0.91	[0.80 - 1.02]
Pneumoconioses (500-508)	5	12.09	0.41	[0.13 - 0.96]
DIS. OF DIGESTIVE SYSTEM (520-579)	394	479.66	0.82	[0.74 - 0.91]
Liver cirrhosis (571)	154	182.04	0.85	[0.72 - 0.99]
DIS. OF GENITO-URINARY SYSTEM (580-629)	145	184.93	0.78	[0.66 - 0.92]
Nephritis & nephrosis (580-589)	52	76.98	0.68	[0.50 - 0.89]
DIS. OF THE SKIN (680-739)	33	45.69	0.72	[0.50 - 1.01]
SYMPTOMS AND ILL-DEFINED CONDITIONS (780-799)	281	402.35	0.70	[0.62 - 0.79]
EXTERNAL CAUSES (E800-999)	1152	1396.59	0.82	[0.78 - 0.87]
Traffic accident (E810-819)	198	281.2	0.70	[0.61 - 0.81]
Suicide (E950-959)	309	421.36	0.73	[0.65 - 0.82]
Homicide (E960-969)	24	44.14	0.54	[0.35 - 0.81]
Other external causes (E800-807,E820-949,E970-999)	621	649.92	0.96	[0.88 - 1.03]
UNKNOWN CAUSES	76			
OTHER CAUSES	227			

Table 2.10.7
Mortality by cause

TOTAL COHORT

Ever exposed to COMB (combustion products)

Men

Causes of death (ICD 9th.revision)	Observed	Expected	SMR	95% Confidence intervals
ALL CAUSES	10879	12075.3	0.90	[0.88 - 0.92]
ALL MALIGNANT NEOPLASMS (140-208)	2586	2813.53	0.92	[0.88 - 0.96]
Oral cavity & pharynx (140-149)	50	71.09	0.70	[0.52 - 0.93]
Oral cavity (141,143-145)	22	28.04	0.78	[0.49 - 1.19]
Nasopharynx (147)	2	4.83	0.41	[0.05 - 1.50]
Oesophagus (150)	60	77.26	0.78	[0.59 - 1.00]
Stomach (151)	242	284.26	0.85	[0.75 - 0.97]
Colon (153)	159	185.58	0.86	[0.73 - 1.00]
Rectum (154)	116	127.02	0.91	[0.75 - 1.10]
Liver (155)	46	56.25	0.82	[0.60 - 1.09]
Gallbladder (156)	19	20.99	0.91	[0.54 - 1.41]
Pancreas (157)	148	144.58	1.02	[0.87 - 1.20]
Peritoneum and other unspecified organs(158-159)	9	13.95	0.65	[0.30 - 1.22]
Nose & sinuses (160)	12	10.03	1.20	[0.62 - 2.09]
Larynx (161)	43	40.8	1.05	[0.76 - 1.42]
Lung (162)	713	731.46	0.97	[0.90 - 1.05]
Pleura (163)	19	12.25	1.55	[0.93 - 2.42]
Other respiratory organs (164-165)	11	7.25	1.52	[0.76 - 2.72]
Bone (170)	3	11.83	0.25	[0.05 - 0.74]
Soft tissue (171)	10	11.64	0.86	[0.41 - 1.58]
Melanoma (172)	41	43.43	0.94	[0.68 - 1.28]
Other skin (173)	7	8.34	0.84	[0.34 - 1.73]
Breast (174-175)	1	2.69	0.37	[0.01 - 2.07]
Cervix uteri (180)	0	-	-	-
Corpus uteri & uterus unspecified (179,181-182)	0	-	-	-
Ovary (183)	0	-	-	-
Other female genital organs (184)	0	-	-	-
Prostate (185)	226	267.01	0.85	[0.74 - 0.96]
Testis (186)	12	14.57	0.82	[0.43 - 1.44]
Other male genital organs (187)	8	3.63	2.20	[0.95 - 4.34]
Bladder (188)	98	98.89	0.99	[0.80 - 1.21]
Kidney (189)	73	80.86	0.90	[0.71 - 1.14]
Eye (190)	4	4.17	0.96	[0.26 - 2.45]
Brain (191-192)	71	79.18	0.90	[0.70 - 1.13]
Thyroid (193)	5	7.41	0.68	[0.22 - 1.58]
Other endocrine glands (194)	3	3.88	0.77	[0.16 - 2.26]
Ill defined (195,199)	132	126.46	1.04	[0.87 - 1.24]
Lymphatic & hematopoietic tissue (200-208)	210	231.92	0.91	[0.79 - 1.04]
Non-Hodgkins lymphoma (200,202)	66	67.99	0.97	[0.75 - 1.24]
Hodgkins disease (201)	19	22.21	0.86	[0.52 - 1.34]
Multiple myeloma (203)	46	45.14	1.02	[0.75 - 1.36]
Leukemia & aleukemia (204-208)	79	93.71	0.84	[0.67 - 1.05]
Lymphoid leukemia (204)	18	24.23	0.74	[0.44 - 1.17]
Myeloid leukemia (205)	36	38.46	0.94	[0.66 - 1.30]
BENIGN NEOPLASMS (210-239)	40	51.61	0.77	[0.55 - 1.06]
DIS. OF ENDOCRINE SYSTEM & BLOOD (240-289)	140	190.83	0.73	[0.62 - 0.87]
MENTAL DISORDERS (290-319)	95	127.98	0.74	[0.60 - 0.91]
DIS. OF NERVOUS SYSTEM (320-389)	126	160.34	0.79	[0.65 - 0.94]
DIS. OF CIRCULATORY SYSTEM (390-459)	5114	5442.27	0.94	[0.91 - 0.97]
Hypertension (401-405)	90	116.74	0.77	[0.62 - 0.95]
Ischaemic heart disease (410-414)	3310	3473	0.95	[0.92 - 0.99]
Cerebrovascular (430-438)	866	1001.08	0.87	[0.81 - 0.92]
Other heart diseases (4150,4152-4299)	332	446.79	0.74	[0.67 - 0.83]
DIS. OF RESPIRATORY SYSTEM (460-519)	633	801.87	0.79	[0.73 - 0.85]
Influenza (487)	11	23.93	0.46	[0.23 - 0.82]
Pneumonia (480-486)	241	344.94	0.70	[0.61 - 0.79]
Bronchitis,emphysema & asthma (490-493)	264	290.82	0.91	[0.80 - 1.02]
Pneumoconioses (500-508)	5	11.84	0.42	[0.14 - 0.99]
DIS. OF DIGESTIVE SYSTEM (520-579)	364	432.57	0.84	[0.76 - 0.93]
Liver cirrhosis (571)	148	169.09	0.88	[0.74 - 1.03]
DIS. OF GENITO-URINARY SYSTEM (580-629)	121	162.48	0.74	[0.62 - 0.89]
Nephritis & nephrosis (580-589)	48	68.58	0.70	[0.52 - 0.93]
DIS. OF THE SKIN (680-739)	26	35.46	0.73	[0.48 - 1.07]
SYMPTOMS AND ILL-DEFINED CONDITIONS (780-799)	265	376.76	0.70	[0.62 - 0.79]
EXTERNAL CAUSES (E800-999)	1089	1316.42	0.83	[0.78 - 0.88]
Traffic accident (E810-819)	187	266.58	0.70	[0.60 - 0.81]
Suicide (E950-959)	294	393.63	0.75	[0.66 - 0.84]
Homicide (E960-969)	24	41.63	0.58	[0.37 - 0.86]
Other external causes (E800-807,E820-949,E970-999)	584	614.6	0.95	[0.87 - 1.03]
UNKNOWN CAUSES	68			
OTHER CAUSES	212			

Table 2.10.7
Mortality by cause

TOTAL COHORT

Ever exposed to COMB (combustion products)

Women

Causes of death (ICD 9th.revision)	Observed	Expected	SMR	95% Confidence intervals
ALL CAUSES	1166	1279.02	0.91	[0.86 - 0.97]
ALL MALIGNANT NEOPLASMS (140-208)	355	365.81	0.97	[0.87 - 1.08]
Oral cavity & pharynx (140-149)	2	3.6	0.56	[0.07 - 2.01]
Oral cavity (141,143-145)	2	1.69	1.18	[0.14 - 4.28]
Nasopharynx (147)	0	0.31	0.00	[0.00 - 11.8]
Oesophagus (150)	4	4.93	0.81	[0.22 - 2.08]
Stomach (151)	25	26.47	0.94	[0.61 - 1.39]
Colon (153)	16	28.21	0.57	[0.32 - 0.92]
Rectum (154)	17	14.28	1.19	[0.69 - 1.91]
Liver (155)	8	6.46	1.24	[0.53 - 2.44]
Gallbladder (156)	3	6.26	0.48	[0.10 - 1.40]
Pancreas (157)	16	17.93	0.89	[0.51 - 1.45]
Peritoneum and other unspecified organs(158-159)	2	2.99	0.67	[0.08 - 2.42]
Nose & sinuses (160)	0	0.55	0.00	[0.00 - 6.71]
Larynx (161)	1	0.74	1.36	[0.03 - 7.55]
Lung (162)	46	35.09	1.31	[0.96 - 1.75]
Pleura (163)	3	0.64	4.66	[0.96 - 13.6]
Other respiratory organs (164-165)	0	0.55	0.00	[0.00 - 6.72]
Bone (170)	0	1.29	0.00	[0.00 - 2.86]
Soft tissue (171)	3	1.58	1.90	[0.39 - 5.56]
Melanoma (172)	4	5.19	0.77	[0.21 - 1.98]
Other skin (173)	1	0.88	1.14	[0.03 - 6.34]
Breast (174-175)	66	70.76	0.93	[0.72 - 1.19]
Cervix uteri (180)	17	18.52	0.92	[0.53 - 1.47]
Corpus uteri & uterus unspecified (179,181-182)	9	12.32	0.73	[0.33 - 1.39]
Ovary (183)	27	27.82	0.97	[0.64 - 1.41]
Other female genital organs (184)	3	2.74	1.09	[0.23 - 3.19]
Prostate (185)	0	-	-	-
Testis (186)	0	-	-	-
Other male genital organs (187)	0	-	-	-
Bladder (188)	6	5.3	1.13	[0.42 - 2.46]
Kidney (189)	6	8.15	0.74	[0.27 - 1.60]
Eye (190)	0	0.61	0.00	[0.00 - 6.04]
Brain (191-192)	14	10.06	1.39	[0.76 - 2.33]
Thyroid (193)	0	2.06	0.00	[0.00 - 1.79]
Other endocrine glands (194)	1	0.59	1.70	[0.04 - 9.50]
Ill defined (195,199)	21	17.12	1.23	[0.76 - 1.87]
Lymphatic & hematopoietic tissue (200-208)	27	27.97	0.97	[0.64 - 1.40]
Non-Hodgkins lymphoma (200,202)	5	8.2	0.61	[0.20 - 1.42]
Hodgkins disease (201)	5	2.57	1.94	[0.63 - 4.54]
Multiple myeloma (203)	5	5.51	0.91	[0.29 - 2.12]
Leukemia & aleukemia (204-208)	12	11.46	1.05	[0.54 - 1.83]
Lymphoid leukemia (204)	1	2.35	0.43	[0.01 - 2.38]
Myeloid leukemia (205)	6	5.24	1.14	[0.42 - 2.49]
BENIGN NEOPLASMS (210-239)	5	7.7	0.65	[0.21 - 1.51]
DIS. OF ENDOCRINE SYSTEM & BLOOD (240-289)	18	31.1	0.58	[0.34 - 0.91]
MENTAL DISORDERS (290-319)	4	18.12	0.22	[0.06 - 0.57]
DIS. OF NERVOUS SYSTEM (320-389)	19	22.43	0.85	[0.51 - 1.32]
DIS. OF CIRCULATORY SYSTEM (390-459)	523	548.26	0.95	[0.87 - 1.04]
Hypertension (401-405)	19	19.21	0.99	[0.60 - 1.54]
Ischaemic heart disease (410-414)	265	255.94	1.04	[0.91 - 1.17]
Cerebrovascular (430-438)	133	159.37	0.83	[0.70 - 0.99]
Other heart diseases (4150,4152-4299)	51	60.96	0.84	[0.62 - 1.10]
DIS. OF RESPIRATORY SYSTEM (460-519)	79	80.31	0.98	[0.78 - 1.23]
Influenza (487)	6	3.91	1.54	[0.56 - 3.34]
Pneumonia (480-486)	47	42.98	1.09	[0.80 - 1.45]
Bronchitis,emphysema & asthma (490-493)	20	22.3	0.90	[0.55 - 1.39]
Pneumoconioses (500-508)	0	0.26	0.00	[0.00 - 14.4]
DIS. OF DIGESTIVE SYSTEM (520-579)	30	47.09	0.64	[0.43 - 0.91]
Liver cirrhosis (571)	6	12.95	0.46	[0.17 - 1.01]
DIS. OF GENITO-URINARY SYSTEM (580-629)	24	22.45	1.07	[0.68 - 1.59]
Nephritis & nephrosis (580-589)	4	8.4	0.48	[0.13 - 1.22]
DIS. OF THE SKIN (680-739)	7	10.24	0.68	[0.27 - 1.41]
SYMPTOMS AND ILL-DEFINED CONDITIONS (780-799)	16	25.58	0.63	[0.36 - 1.02]
EXTERNAL CAUSES (E800-999)	63	80.16	0.79	[0.60 - 1.01]
Traffic accident (E810-819)	11	14.62	0.75	[0.38 - 1.35]
Suicide (E950-959)	15	27.73	0.54	[0.30 - 0.89]
Homicide (E960-969)	0	2.5	0.00	[0.00 - 1.47]
Other external causes (E800-807,E820-949,E970-999)	37	35.32	1.05	[0.74 - 1.44]
UNKNOWN CAUSES	8			
OTHER CAUSES	15			

Table 2.10.8
Mortality by cause

TOTAL COHORT
Ever exposed to DYES

Causes of death (ICD 9th.revision)	Observed	Expected	SMR	95% Confidence intervals
ALL CAUSES	7157	7900.2	0.91	[0.89 - 0.93]
ALL MALIGNANT NEOPLASMS (140-208)	1849	1982.71	0.93	[0.89 - 0.98]
Oral cavity & pharynx (140-149)	36	45.86	0.79	[0.55 - 1.09]
Oral cavity (141,143-145)	18	19.03	0.95	[0.56 - 1.49]
Nasopharynx (147)	2	3.43	0.58	[0.07 - 2.11]
Oesophagus (150)	41	49.84	0.82	[0.59 - 1.12]
Stomach (151)	160	178.74	0.90	[0.76 - 1.05]
Colon (153)	123	136.16	0.90	[0.75 - 1.08]
Rectum (154)	85	90.31	0.94	[0.75 - 1.16]
Liver (155)	31	37.96	0.82	[0.55 - 1.16]
Gallbladder (156)	14	17.49	0.80	[0.44 - 1.34]
Pancreas (157)	83	100.26	0.83	[0.66 - 1.03]
Peritoneum and other unspecified organs(158-159)	4	10	0.40	[0.11 - 1.02]
Nose & sinuses (160)	7	6.79	1.03	[0.41 - 2.12]
Larynx (161)	22	24.33	0.90	[0.57 - 1.37]
Lung (162)	466	466.48	1.00	[0.91 - 1.09]
Pleura (163)	16	8.47	1.89	[1.08 - 3.07]
Other respiratory organs (164-165)	9	5.05	1.78	[0.82 - 3.38]
Bone (170)	2	8.32	0.24	[0.03 - 0.87]
Soft tissue (171)	12	8.76	1.37	[0.71 - 2.39]
Melanoma (172)	33	33.73	0.98	[0.67 - 1.37]
Other skin (173)	2	5.39	0.37	[0.04 - 1.34]
Breast (174-175)	66	67.45	0.98	[0.76 - 1.24]
Cervix uteri (180)	14	18.18	0.77	[0.42 - 1.29]
Corpus uteri & uterus unspecified (179,181-182)	6	10.01	0.60	[0.22 - 1.30]
Ovary (183)	26	26.96	0.96	[0.63 - 1.41]
Other female genital organs (184)	0	2.29	0.00	[0.00 - 1.61]
Prostate (185)	129	143.13	0.90	[0.75 - 1.07]
Testis (186)	9	10.53	0.85	[0.39 - 1.62]
Other male genital organs (187)	2	2.24	0.89	[0.11 - 3.22]
Bladder (188)	65	62.88	1.03	[0.80 - 1.32]
Kidney (189)	48	56.62	0.85	[0.63 - 1.12]
Eye (190)	2	3.08	0.65	[0.08 - 2.35]
Brain (191-192)	61	61.91	0.99	[0.75 - 1.27]
Thyroid (193)	1	6.04	0.17	[0.00 - 0.92]
Other endocrine glands (194)	3	3.08	0.97	[0.20 - 2.85]
Ill defined (195,199)	99	93.03	1.06	[0.86 - 1.30]
Lymphatic & hematopoietic tissue (200-208)	146	163.61	0.89	[0.75 - 1.05]
Non-Hodgkins lymphoma (200,202)	40	49.04	0.82	[0.58 - 1.11]
Hodgkins disease (201)	18	16.43	1.10	[0.65 - 1.73]
Multiple myeloma (203)	29	31.14	0.93	[0.62 - 1.34]
Leukemia & aleukemia (204-208)	59	66.28	0.89	[0.68 - 1.15]
Lymphoid leukemia (204)	10	16.55	0.60	[0.29 - 1.11]
Myeloid leukemia (205)	27	29.33	0.92	[0.61 - 1.34]
BENIGN NEOPLASMS (210-239)	30	37.16	0.81	[0.54 - 1.15]
DIS. OF ENDOCRINE SYSTEM & BLOOD (240-289)	95	134.19	0.71	[0.57 - 0.87]
MENTAL DISORDERS (290-319)	57	87.45	0.65	[0.49 - 0.84]
DIS. OF NERVOUS SYSTEM (320-389)	85	114.06	0.75	[0.60 - 0.92]
DIS. OF CIRCULATORY SYSTEM (390-459)	3238	3404.38	0.95	[0.92 - 0.98]
Hypertension (401-405)	67	71.76	0.93	[0.72 - 1.19]
Ischaemic heart disease (410-414)	2124	2149.19	0.99	[0.95 - 1.03]
Cerebrovascular (430-438)	548	648.33	0.85	[0.78 - 0.92]
Other heart diseases (4150,4152-4299)	194	275.95	0.70	[0.61 - 0.81]
DIS. OF RESPIRATORY SYSTEM (460-519)	403	497.06	0.81	[0.73 - 0.89]
Influenza (487)	12	15.66	0.77	[0.40 - 1.34]
Pneumonia (480-486)	153	206.56	0.74	[0.63 - 0.87]
Bronchitis,emphysema & asthma (490-493)	179	189.54	0.94	[0.81 - 1.09]
Pneumoconioses (500-508)	4	6.69	0.60	[0.16 - 1.53]
DIS. OF DIGESTIVE SYSTEM (520-579)	247	288.18	0.86	[0.75 - 0.97]
Liver cirrhosis (571)	104	116.64	0.89	[0.73 - 1.08]
DIS. OF GENITO-URINARY SYSTEM (580-629)	85	103.71	0.82	[0.65 - 1.01]
Nephritis & nephrosis (580-589)	24	42.33	0.57	[0.36 - 0.84]
DIS. OF THE SKIN (680-739)	19	28.76	0.66	[0.40 - 1.03]
SYMPTOMS AND ILL-DEFINED CONDITIONS (780-799)	181	228.87	0.79	[0.68 - 0.91]
EXTERNAL CAUSES (E800-999)	714	889.84	0.80	[0.74 - 0.86]
Traffic accident (E810-819)	134	183.85	0.73	[0.61 - 0.86]
Suicide (E950-959)	213	288.55	0.74	[0.64 - 0.84]
Homicide (E960-969)	16	20.48	0.78	[0.45 - 1.27]
Other external causes (E800-807,E820-949,E970-999)	351	396.97	0.88	[0.79 - 0.98]
UNKNOWN CAUSES	51			
OTHER CAUSES	103			

Table 2.10.8
Mortality by cause

TOTAL COHORT
Ever exposed to DYES
Men

Causes of death (ICD 9th.revision)	Observed	Expected	SMR	95% Confidence intervals
ALL CAUSES	6185	6860.54	0.90	[0.88 - 0.92]
ALL MALIGNANT NEOPLASMS (140-208)	1520	1654.83	0.92	[0.87 - 0.97]
Oral cavity & pharynx (140-149)	33	42.74	0.77	[0.53 - 1.08]
Oral cavity (141,143-145)	15	17.57	0.85	[0.48 - 1.41]
Nasopharynx (147)	2	3.15	0.63	[0.08 - 2.29]
Oesophagus (150)	40	46.48	0.86	[0.61 - 1.17]
Stomach (151)	140	158.43	0.88	[0.74 - 1.04]
Colon (153)	104	110.54	0.94	[0.77 - 1.14]
Rectum (154)	72	77.58	0.93	[0.73 - 1.17]
Liver (155)	25	32.96	0.76	[0.49 - 1.12]
Gallbladder (156)	11	12.39	0.89	[0.44 - 1.59]
Pancreas (157)	70	84.59	0.83	[0.65 - 1.05]
Peritoneum and other unspecified organs(158-159)	3	8.33	0.36	[0.07 - 1.05]
Nose & sinuses (160)	7	6.32	1.11	[0.45 - 2.28]
Larynx (161)	21	23.72	0.89	[0.55 - 1.35]
Lung (162)	414	434.7	0.95	[0.86 - 1.05]
Pleura (163)	14	7.96	1.76	[0.96 - 2.95]
Other respiratory organs (164-165)	9	4.56	1.97	[0.90 - 3.75]
Bone (170)	2	7.25	0.28	[0.03 - 1.00]
Soft tissue (171)	9	7.25	1.24	[0.57 - 2.36]
Melanoma (172)	28	28.49	0.98	[0.65 - 1.42]
Other skin (173)	2	4.7	0.43	[0.05 - 1.54]
Breast (174-175)	0	1.65	0.00	[0.00 - 2.23]
Cervix uteri (180)	0	-	-	-
Corpus uteri & uterus unspecified (179,181-182)	0	-	-	-
Ovary (183)	0	-	-	-
Other female genital organs (184)	0	-	-	-
Prostate (185)	129	143.13	0.90	[0.75 - 1.07]
Testis (186)	9	10.53	0.85	[0.39 - 1.62]
Other male genital organs (187)	2	2.24	0.89	[0.11 - 3.22]
Bladder (188)	60	58.27	1.03	[0.79 - 1.33]
Kidney (189)	41	49.06	0.84	[0.60 - 1.13]
Eye (190)	2	2.53	0.79	[0.10 - 2.85]
Brain (191-192)	47	52.02	0.90	[0.66 - 1.20]
Thyroid (193)	1	4.38	0.23	[0.01 - 1.27]
Other endocrine glands (194)	2	2.52	0.79	[0.10 - 2.87]
Ill defined (195,199)	75	76.78	0.98	[0.77 - 1.22]
Lymphatic & hematopoietic tissue (200-208)	127	138.33	0.92	[0.77 - 1.09]
Non-Hodgkins lymphoma (200,202)	37	41.73	0.89	[0.62 - 1.22]
Hodgkins disease (201)	15	14.04	1.07	[0.60 - 1.76]
Multiple myeloma (203)	25	26.18	0.95	[0.62 - 1.41]
Leukemia & aleukemia (204-208)	50	55.92	0.89	[0.66 - 1.18]
Lymphoid leukemia (204)	10	14.56	0.69	[0.33 - 1.26]
Myeloid leukemia (205)	23	24.41	0.94	[0.60 - 1.41]
BENIGN NEOPLASMS (210-239)	27	30.35	0.89	[0.59 - 1.29]
DIS. OF ENDOCRINE SYSTEM & BLOOD (240-289)	73	110.98	0.66	[0.52 - 0.83]
MENTAL DISORDERS (290-319)	54	74.93	0.72	[0.54 - 0.94]
DIS. OF NERVOUS SYSTEM (320-389)	71	94.5	0.75	[0.59 - 0.95]
DIS. OF CIRCULATORY SYSTEM (390-459)	2849	2997.36	0.95	[0.92 - 0.99]
Hypertension (401-405)	50	59.77	0.84	[0.62 - 1.10]
Ischaemic heart disease (410-414)	1911	1951.47	0.98	[0.94 - 1.02]
Cerebrovascular (430-438)	459	533.25	0.86	[0.78 - 0.94]
Other heart diseases (4150,4152-4299)	162	234.65	0.69	[0.59 - 0.81]
DIS. OF RESPIRATORY SYSTEM (460-519)	343	433.28	0.79	[0.71 - 0.88]
Influenza (487)	5	12.91	0.39	[0.13 - 0.90]
Pneumonia (480-486)	117	173.66	0.67	[0.56 - 0.81]
Bronchitis,emphysema & asthma (490-493)	164	169.93	0.97	[0.82 - 1.12]
Pneumoconioses (500-508)	4	6.5	0.62	[0.17 - 1.58]
DIS. OF DIGESTIVE SYSTEM (520-579)	219	250.71	0.87	[0.76 - 1.00]
Liver cirrhosis (571)	96	105.57	0.91	[0.74 - 1.11]
DIS. OF GENITO-URINARY SYSTEM (580-629)	66	86.47	0.76	[0.59 - 0.97]
Nephritis & nephrosis (580-589)	21	36.22	0.58	[0.36 - 0.89]
DIS. OF THE SKIN (680-739)	13	20.05	0.65	[0.35 - 1.11]
SYMPTOMS AND ILL-DEFINED CONDITIONS (780-799)	161	203.91	0.79	[0.67 - 0.92]
EXTERNAL CAUSES (E800-999)	657	815.86	0.81	[0.74 - 0.87]
Traffic accident (E810-819)	125	170.28	0.73	[0.61 - 0.87]
Suicide (E950-959)	198	261.25	0.76	[0.66 - 0.87]
Homicide (E960-969)	15	18.05	0.83	[0.46 - 1.37]
Other external causes (E800-807,E820-949,E970-999)	319	366.28	0.87	[0.78 - 0.97]
UNKNOWN CAUSES	45			
OTHER CAUSES	87			

Table 2.10.8
Mortality by cause

TOTAL COHORT
Ever exposed to DYES
Women

Causes of death (ICD 9th.revision)	Observed	Expected	SMR	95% Confidence intervals
ALL CAUSES	972	1039.66	0.93	[0.88 - 1.00]
ALL MALIGNANT NEOPLASMS (140-208)	329	327.88	1.00	[0.90 - 1.12]
Oral cavity & pharynx (140-149)	3	3.12	0.96	[0.20 - 2.81]
Oral cavity (141,143-145)	3	1.46	2.05	[0.42 - 5.99]
Nasopharynx (147)	0	0.27	0.00	[0.00 - 13.4]
Oesophagus (150)	1	3.36	0.30	[0.01 - 1.66]
Stomach (151)	20	20.31	0.98	[0.60 - 1.52]
Colon (153)	19	25.62	0.74	[0.45 - 1.16]
Rectum (154)	13	12.73	1.02	[0.54 - 1.75]
Liver (155)	6	5	1.20	[0.44 - 2.61]
Gallbladder (156)	3	5.1	0.59	[0.12 - 1.72]
Pancreas (157)	13	15.67	0.83	[0.44 - 1.42]
Peritoneum and other unspecified organs(158-159)	1	1.66	0.60	[0.02 - 3.35]
Nose & sinuses (160)	0	0.47	0.00	[0.00 - 7.80]
Larynx (161)	1	0.61	1.64	[0.04 - 9.12]
Lung (162)	52	31.78	1.64	[1.22 - 2.15]
Pleura (163)	2	0.51	3.94	[0.48 - 14.2]
Other respiratory organs (164-165)	0	0.49	0.00	[0.00 - 7.60]
Bone (170)	0	1.07	0.00	[0.00 - 3.45]
Soft tissue (171)	3	1.51	1.99	[0.41 - 5.80]
Melanoma (172)	5	5.24	0.95	[0.31 - 2.23]
Other skin (173)	0	0.69	0.00	[0.00 - 5.36]
Breast (174-175)	66	65.8	1.00	[0.78 - 1.28]
Cervix uteri (180)	14	18.18	0.77	[0.42 - 1.29]
Corpus uteri & uterus unspecified (179,181-182)	6	10.01	0.60	[0.22 - 1.30]
Ovary (183)	26	26.96	0.96	[0.63 - 1.41]
Other female genital organs (184)	0	2.29	0.00	[0.00 - 1.61]
Prostate (185)	0	-	-	-
Testis (186)	0	-	-	-
Other male genital organs (187)	0	-	-	-
Bladder (188)	5	4.61	1.08	[0.35 - 2.53]
Kidney (189)	7	7.56	0.93	[0.37 - 1.91]
Eye (190)	0	0.55	0.00	[0.00 - 6.71]
Brain (191-192)	14	9.89	1.42	[0.77 - 2.38]
Thyroid (193)	0	1.66	0.00	[0.00 - 2.22]
Other endocrine glands (194)	1	0.56	1.78	[0.04 - 9.93]
Ill defined (195,199)	24	16.25	1.48	[0.95 - 2.20]
Lymphatic & hematopoietic tissue (200-208)	19	25.28	0.75	[0.45 - 1.17]
Non-Hodgkins lymphoma (200,202)	3	7.31	0.41	[0.08 - 1.20]
Hodgkins disease (201)	3	2.39	1.25	[0.26 - 3.66]
Multiple myeloma (203)	4	4.96	0.81	[0.22 - 2.06]
Leukemia & aleukemia (204-208)	9	10.36	0.87	[0.40 - 1.65]
Lymphoid leukemia (204)	0	1.99	0.00	[0.00 - 1.85]
Myeloid leukemia (205)	4	4.91	0.81	[0.22 - 2.08]
BENIGN NEOPLASMS (210-239)	3	6.81	0.44	[0.09 - 1.29]
DIS. OF ENDOCRINE SYSTEM & BLOOD (240-289)	22	23.21	0.95	[0.59 - 1.44]
MENTAL DISORDERS (290-319)	3	12.52	0.24	[0.05 - 0.70]
DIS. OF NERVOUS SYSTEM (320-389)	14	19.57	0.72	[0.39 - 1.20]
DIS. OF CIRCULATORY SYSTEM (390-459)	389	407.01	0.96	[0.86 - 1.06]
Hypertension (401-405)	17	11.99	1.42	[0.83 - 2.27]
Ischaemic heart disease (410-414)	213	197.72	1.08	[0.94 - 1.23]
Cerebrovascular (430-438)	89	115.08	0.77	[0.62 - 0.95]
Other heart diseases (4150,4152-4299)	32	41.3	0.77	[0.53 - 1.09]
DIS. OF RESPIRATORY SYSTEM (460-519)	60	63.78	0.94	[0.72 - 1.21]
Influenza (487)	7	2.75	2.54	[1.02 - 5.24]
Pneumonia (480-486)	36	32.91	1.09	[0.77 - 1.51]
Bronchitis,emphysema & asthma (490-493)	15	19.61	0.77	[0.43 - 1.26]
Pneumoconioses (500-508)	0	0.19	0.00	[0.00 - 19.2]
DIS. OF DIGESTIVE SYSTEM (520-579)	28	37.48	0.75	[0.50 - 1.08]
Liver cirrhosis (571)	8	11.07	0.72	[0.31 - 1.42]
DIS. OF GENITO-URINARY SYSTEM (580-629)	19	17.24	1.10	[0.66 - 1.72]
Nephritis & nephrosis (580-589)	3	6.11	0.49	[0.10 - 1.43]
DIS. OF THE SKIN (680-739)	6	8.71	0.69	[0.25 - 1.50]
SYMPTOMS AND ILL-DEFINED CONDITIONS (780-799)	20	24.96	0.80	[0.49 - 1.24]
EXTERNAL CAUSES (E800-999)	57	73.98	0.77	[0.58 - 1.00]
Traffic accident (E810-819)	9	13.57	0.66	[0.30 - 1.26]
Suicide (E950-959)	15	27.3	0.55	[0.31 - 0.91]
Homicide (E960-969)	1	2.42	0.41	[0.01 - 2.30]
Other external causes (E800-807,E820-949,E970-999)	32	30.69	1.04	[0.71 - 1.47]
UNKNOWN CAUSES	6			
OTHER CAUSES	16			

Table 2.10.9
Mortality by cause

TOTAL COHORT

Ever exposed to EPI (epichlorohydrine derivatives)

Causes of death (ICD 9th.revision)	Observed	Expected	SMR	95% Confidence intervals
ALL CAUSES	2934	3388.44	0.87	[0.83 - 0.90]
ALL MALIGNANT NEOPLASMS (140-208)	683	778.6	0.88	[0.81 - 0.95]
Oral cavity & pharynx (140-149)	11	15.81	0.70	[0.35 - 1.25]
Oral cavity (141,143-145)	9	6.18	1.46	[0.67 - 2.77]
Nasopharynx (147)	1	1.23	0.81	[0.02 - 4.54]
Oesophagus (150)	13	18.4	0.71	[0.38 - 1.21]
Stomach (151)	75	76.91	0.98	[0.77 - 1.22]
Colon (153)	38	46.98	0.81	[0.57 - 1.11]
Rectum (154)	26	32.09	0.81	[0.53 - 1.19]
Liver (155)	14	17.28	0.81	[0.44 - 1.36]
Gallbladder (156)	3	9.03	0.33	[0.07 - 0.97]
Pancreas (157)	33	41.49	0.80	[0.55 - 1.12]
Peritoneum and other unspecified organs(158-159)	1	5.57	0.18	[0.00 - 1.00]
Nose & sinuses (160)	3	2.18	1.38	[0.57 - 4.03]
Larynx (161)	12	9.51	1.26	[0.65 - 2.20]
Lung (162)	195	189.74	1.03	[0.89 - 1.18]
Pleura (163)	6	3.37	1.78	[0.65 - 3.87]
Other respiratory organs (164-165)	4	2.55	1.57	[0.43 - 4.02]
Bone (170)	1	3.68	0.27	[0.01 - 1.51]
Soft tissue (171)	5	3.34	1.50	[0.49 - 3.49]
Melanoma (172)	12	12.06	0.99	[0.51 - 1.74]
Other skin (173)	0	2.06	0.00	[0.00 - 1.79]
Breast (174-175)	21	27.43	0.77	[0.47 - 1.17]
Cervix uteri (180)	6	6.86	0.87	[0.32 - 1.90]
Corpus uteri & uterus unspecified (179,181-182)	4	4.98	0.80	[0.22 - 2.06]
Ovary (183)	12	11.15	1.08	[0.56 - 1.88]
Other female genital organs (184)	2	1.13	1.78	[0.22 - 6.42]
Prostate (185)	38	53.48	0.71	[0.50 - 0.98]
Testis (186)	3	3.43	0.88	[0.18 - 2.56]
Other male genital organs (187)	1	0.82	1.22	[0.03 - 6.81]
Bladder (188)	21	22.76	0.92	[0.57 - 1.41]
Kidney (189)	18	23.11	0.78	[0.46 - 1.23]
Eye (190)	0	1.23	0.00	[0.00 - 2.99]
Brain (191-192)	20	23.4	0.85	[0.52 - 1.32]
Thyroid (193)	0	2.73	0.00	[0.00 - 1.35]
Other endocrine glands (194)	2	1.35	1.48	[0.18 - 5.36]
Ill defined (195,199)	21	27.62	0.76	[0.47 - 1.16]
Lymphatic & hematopoietic tissue (200-208)	45	65.48	0.69	[0.50 - 0.92]
Non-Hodgkins lymphoma (200,202)	11	19.52	0.56	[0.28 - 1.01]
Hodgkins disease (201)	7	6.71	1.04	[0.42 - 2.15]
Multiple myeloma (203)	7	11.52	0.61	[0.24 - 1.25]
Leukemia & aleukemia (204-208)	20	27.04	0.74	[0.45 - 1.14]
Lymphoid leukemia (204)	1	7.16	0.14	[0.00 - 0.78]
Myeloid leukemia (205)	9	11.54	0.78	[0.36 - 1.48]
BENIGN NEOPLASMS (210-239)	9	14.87	0.61	[0.28 - 1.15]
DIS. OF ENDOCRINE SYSTEM & BLOOD (240-289)	40	56.56	0.71	[0.51 - 0.96]
MENTAL DISORDERS (290-319)	15	40.7	0.37	[0.21 - 0.61]
DIS. OF NERVOUS SYSTEM (320-389)	41	45.73	0.90	[0.64 - 1.22]
DIS. OF CIRCULATORY SYSTEM (390-459)	1384	1483.27	0.93	[0.88 - 0.98]
Hypertension (401-405)	27	31.3	0.86	[0.57 - 1.26]
Ischaemic heart disease (410-414)	830	923.58	0.90	[0.84 - 0.96]
Cerebrovascular (430-438)	217	287.77	0.75	[0.66 - 0.86]
Other heart diseases (4150,4152-4299)	112	129.41	0.87	[0.71 - 1.04]
DIS. OF RESPIRATORY SYSTEM (460-519)	149	201	0.74	[0.63 - 0.87]
Influenza (487)	4	7.67	0.52	[0.14 - 1.34]
Pneumonia (480-486)	62	85.77	0.72	[0.55 - 0.93]
Bronchitis,emphysema & asthma (490-493)	61	80.05	0.76	[0.58 - 0.98]
Pneumoconioses (500-508)	2	2.26	0.89	[0.11 - 3.20]
DIS. OF DIGESTIVE SYSTEM (520-579)	101	127.1	0.79	[0.65 - 0.97]
Liver cirrhosis (571)	47	50.08	0.94	[0.69 - 1.25]
DIS. OF GENITO-URINARY SYSTEM (580-629)	27	45.65	0.59	[0.39 - 0.86]
Nephritis & nephrosis (580-589)	6	18.78	0.32	[0.12 - 0.70]
DIS. OF THE SKIN (680-739)	7	12.34	0.57	[0.23 - 1.17]
SYMPTOMS AND ILL-DEFINED CONDITIONS (780-799)	49	81.92	0.60	[0.44 - 0.79]
EXTERNAL CAUSES (E800-999)	361	442.96	0.81	[0.73 - 0.90]
Traffic accident (E810-819)	38	83.78	0.45	[0.32 - 0.62]
Suicide (E950-959)	87	145.88	0.60	[0.48 - 0.74]
Homicide (E960-969)	10	18.41	0.54	[0.26 - 1.00]
Other external causes (E800-807,E820-949,E970-999)	226	194.9	1.16	[1.01 - 1.32]
UNKNOWN CAUSES	23			
OTHER CAUSES	45			

Table 2.10.9
Mortality by cause

TOTAL COHORT

Ever exposed to EPI (epichlorohydrine derivatives)

Men

Causes of death (ICD 9th.revision)	Observed	Expected	SMR	95% Confidence intervals
ALL CAUSES	2470	2860.75	0.86	[0.83 - 0.90]
ALL MALIGNANT NEOPLASMS (140-208)	552	634.23	0.87	[0.80 - 0.95]
Oral cavity & pharynx (140-149)	10	14.39	0.69	[0.33 - 1.28]
Oral cavity (141,143-145)	8	5.51	1.45	[0.63 - 2.86]
Nasopharynx (147)	1	1.1	0.91	[0.02 - 5.09]
Oesophagus (150)	10	16.27	0.61	[0.29 - 1.13]
Stomach (151)	65	65.39	0.99	[0.77 - 1.27]
Colon (153)	29	36.62	0.79	[0.53 - 1.14]
Rectum (154)	22	26.45	0.83	[0.52 - 1.26]
Liver (155)	11	14.45	0.76	[0.38 - 1.36]
Gallbladder (156)	3	5.58	0.54	[0.11 - 1.57]
Pancreas (157)	27	33.37	0.81	[0.53 - 1.18]
Peritoneum and other unspecified organs(158-159)	1	4.22	0.24	[0.01 - 1.32]
Nose & sinuses (160)	3	1.96	1.53	[0.32 - 4.48]
Larynx (161)	11	9.26	1.19	[0.59 - 2.13]
Lung (162)	177	177.4	1.00	[0.86 - 1.16]
Pleura (163)	5	3.06	1.63	[0.53 - 3.81]
Other respiratory organs (164-165)	4	2.28	1.76	[0.48 - 4.50]
Bone (170)	1	3.17	0.32	[0.01 - 1.76]
Soft tissue (171)	3	2.7	1.11	[0.23 - 3.25]
Melanoma (172)	9	10.09	0.89	[0.41 - 1.69]
Other skin (173)	0	1.71	0.00	[0.00 - 2.15]
Breast (174-175)	0	0.56	0.00	[0.00 - 6.63]
Cervix uteri (180)	0	-	-	-
Corpus uteri & uterus unspecified (179,181-182)	0	-	-	-
Ovary (183)	0	-	-	-
Other female genital organs (184)	0	-	-	-
Prostate (185)	38	53.48	0.71	[0.50 - 0.98]
Testis (186)	3	3.43	0.88	[0.18 - 2.56]
Other male genital organs (187)	1	0.82	1.22	[0.03 - 6.81]
Bladder (188)	20	20.88	0.96	[0.59 - 1.48]
Kidney (189)	17	19.31	0.88	[0.51 - 1.41]
Eye (190)	0	0.97	0.00	[0.00 - 3.82]
Brain (191-192)	16	19.36	0.83	[0.47 - 1.34]
Thyroid (193)	0	1.77	0.00	[0.00 - 2.08]
Other endocrine glands (194)	2	1.1	1.83	[0.22 - 6.60]
Ill defined (195,199)	17	22.24	0.76	[0.45 - 1.22]
Lymphatic & hematopoietic tissue (200-208)	34	53.97	0.63	[0.44 - 0.88]
Non-Hodgkins lymphoma (200,202)	10	16.06	0.62	[0.30 - 1.15]
Hodgkins disease (201)	6	5.73	1.05	[0.38 - 2.28]
Multiple myeloma (203)	5	9.23	0.54	[0.18 - 1.26]
Leukemia & aleukemia (204-208)	13	22.31	0.58	[0.31 - 1.00]
Lymphoid leukemia (204)	1	6.09	0.16	[0.00 - 0.91]
Myeloid leukemia (205)	7	9.32	0.75	[0.30 - 1.55]
BENIGN NEOPLASMS (210-239)	8	11.72	0.68	[0.29 - 1.35]
DIS. OF ENDOCRINE SYSTEM & BLOOD (240-289)	34	44.29	0.77	[0.53 - 1.07]
MENTAL DISORDERS (290-319)	14	31.87	0.44	[0.24 - 0.74]
DIS. OF NERVOUS SYSTEM (320-389)	30	37.15	0.81	[0.54 - 1.15]
DIS. OF CIRCULATORY SYSTEM (390-459)	1168	1247.69	0.94	[0.88 - 0.99]
Hypertension (401-405)	22	23.41	0.94	[0.59 - 1.42]
Ischaemic heart disease (410-414)	720	807.82	0.89	[0.83 - 0.96]
Cerebrovascular (430-438)	170	222.14	0.77	[0.65 - 0.89]
Other heart diseases (4150,4152-4299)	87	105.19	0.83	[0.66 - 1.02]
DIS. OF RESPIRATORY SYSTEM (460-519)	117	171.49	0.68	[0.56 - 0.82]
Influenza (487)	1	5.88	0.17	[0.00 - 0.95]
Pneumonia (480-486)	44	69.45	0.63	[0.46 - 0.85]
Bronchitis,emphysema & asthma (490-493)	53	71.35	0.74	[0.56 - 0.97]
Pneumoconioses (500-508)	2	2.17	0.92	[0.11 - 3.33]
DIS. OF DIGESTIVE SYSTEM (520-579)	88	108.76	0.81	[0.65 - 1.00]
Liver cirrhosis (571)	43	45.77	0.94	[0.68 - 1.27]
DIS. OF GENITO-URINARY SYSTEM (580-629)	18	35.5	0.51	[0.30 - 0.80]
Nephritis & nephrosis (580-589)	4	15.62	0.26	[0.07 - 0.66]
DIS. OF THE SKIN (680-739)	4	7.89	0.51	[0.14 - 1.30]
SYMPTOMS AND ILL-DEFINED CONDITIONS (780-799)	46	73.72	0.62	[0.46 - 0.83]
EXTERNAL CAUSES (E800-999)	329	407.73	0.81	[0.72 - 0.90]
Traffic accident (E810-819)	34	77.62	0.44	[0.30 - 0.61]
Suicide (E950-959)	82	132.52	0.62	[0.49 - 0.77]
Homicide (E960-969)	10	17.22	0.58	[0.28 - 1.07]
Other external causes (E800-807,E820-949,E970-999)	203	180.38	1.13	[0.98 - 1.29]
UNKNOWN CAUSES	22			
OTHER CAUSES	40			

Table 2.10.9
Mortality by cause

TOTAL COHORT

Ever exposed to EPI (epichlorohydrine derivatives)

Women

Causes of death (ICD 9th.revision)	Observed	Expected	SMR	95% Confidence intervals
ALL CAUSES	464	527.69	0.88	[0.80 - 0.96]
ALL MALIGNANT NEOPLASMS (140-208)	131	144.36	0.91	[0.76 - 1.08]
Oral cavity & pharynx (140-149)	1	1.41	0.71	[0.02 - 3.94]
Oral cavity (141,143-145)	1	0.67	1.50	[0.04 - 8.37]
Nasopharynx (147)	0	0.13	0.00	[0.00 - 28.0]
Oesophagus (150)	3	2.12	1.41	[0.29 - 4.13]
Stomach (151)	10	11.52	0.87	[0.42 - 1.60]
Colon (153)	9	10.35	0.87	[0.40 - 1.65]
Rectum (154)	4	5.64	0.71	[0.19 - 1.82]
Liver (155)	3	2.83	1.06	[0.22 - 3.09]
Gallbladder (156)	0	3.45	0.00	[0.00 - 1.07]
Pancreas (157)	6	8.12	0.74	[0.27 - 1.61]
Peritoneum and other unspecified organs(158-159)	0	1.34	0.00	[0.00 - 2.75]
Nose & sinuses (160)	0	0.22	0.00	[0.00 - 16.6]
Larynx (161)	1	0.25	4.06	[0.10 - 22.6]
Lung (162)	18	12.35	1.46	[0.86 - 2.30]
Pleura (163)	1	0.31	3.22	[0.08 - 18.0]
Other respiratory organs (164-165)	0	0.27	0.00	[0.00 - 13.6]
Bone (170)	0	0.51	0.00	[0.00 - 7.23]
Soft tissue (171)	2	0.64	3.12	[0.38 - 11.3]
Melanoma (172)	3	1.97	1.52	[0.31 - 4.46]
Other skin (173)	0	0.34	0.00	[0.00 - 10.8]
Breast (174-175)	21	26.87	0.78	[0.48 - 1.19]
Cervix uteri (180)	6	6.86	0.87	[0.32 - 1.90]
Corpus uteri & uterus unspecified (179,181-182)	4	4.98	0.80	[0.22 - 2.06]
Ovary (183)	12	11.15	1.08	[0.56 - 1.88]
Other female genital organs (184)	2	1.13	1.78	[0.22 - 6.42]
Prostate (185)	0	-	-	-
Testis (186)	0	-	-	-
Other male genital organs (187)	0	-	-	-
Bladder (188)	1	1.89	0.53	[0.01 - 2.95]
Kidney (189)	1	3.8	0.26	[0.01 - 1.46]
Eye (190)	0	0.27	0.00	[0.00 - 13.9]
Brain (191-192)	4	4.04	0.99	[0.27 - 2.53]
Thyroid (193)	0	0.95	0.00	[0.00 - 3.87]
Other endocrine glands (194)	0	0.25	0.00	[0.00 - 14.6]
Ill defined (195,199)	4	5.38	0.74	[0.20 - 1.90]
Lymphatic & hematopoietic tissue (200-208)	11	11.51	0.96	[0.48 - 1.71]
Non-Hodgkins lymphoma (200,202)	1	3.46	0.29	[0.01 - 1.61]
Hodgkins disease (201)	1	0.97	1.03	[0.03 - 5.73]
Multiple myeloma (203)	2	2.29	0.87	[0.11 - 3.15]
Leukemia & aleukemia (204-208)	7	4.73	1.48	[0.59 - 3.05]
Lymphoid leukemia (204)	0	1.07	0.00	[0.00 - 3.45]
Myeloid leukemia (205)	2	2.21	0.90	[0.11 - 3.26]
BENIGN NEOPLASMS (210-239)	1	3.15	0.32	[0.01 - 1.77]
DIS. OF ENDOCRINE SYSTEM & BLOOD (240-289)	6	12.27	0.49	[0.18 - 1.06]
MENTAL DISORDERS (290-319)	1	8.83	0.11	[0.00 - 0.63]
DIS. OF NERVOUS SYSTEM (320-389)	11	8.58	1.28	[0.64 - 2.29]
DIS. OF CIRCULATORY SYSTEM (390-459)	216	235.58	0.92	[0.80 - 1.05]
Hypertension (401-405)	5	7.89	0.63	[0.21 - 1.48]
Ischaemic heart disease (410-414)	110	115.75	0.95	[0.78 - 1.15]
Cerebrovascular (430-438)	47	65.63	0.72	[0.53 - 0.95]
Other heart diseases (4150,4152-4299)	25	24.22	1.03	[0.67 - 1.52]
DIS. OF RESPIRATORY SYSTEM (460-519)	32	29.51	1.08	[0.74 - 1.53]
Influenza (487)	3	1.79	1.67	[0.35 - 4.89]
Pneumonia (480-486)	18	16.32	1.10	[0.65 - 1.74]
Bronchitis,emphysema & asthma (490-493)	8	8.7	0.92	[0.40 - 1.81]
Pneumoconioses (500-508)	0	0.08	0.00	[0.00 - 43.9]
DIS. OF DIGESTIVE SYSTEM (520-579)	13	18.34	0.71	[0.38 - 1.21]
Liver cirrhosis (571)	4	4.31	0.93	[0.25 - 2.37]
DIS. OF GENITO-URINARY SYSTEM (580-629)	9	10.14	0.89	[0.41 - 1.68]
Nephritis & nephrosis (580-589)	2	3.17	0.63	[0.08 - 2.28]
DIS. OF THE SKIN (680-739)	3	4.45	0.67	[0.14 - 1.97]
SYMPTOMS AND ILL-DEFINED CONDITIONS (780-799)	3	8.2	0.37	[0.08 - 1.07]
EXTERNAL CAUSES (E800-999)	32	35.24	0.91	[0.62 - 1.28]
Traffic accident (E810-819)	4	6.17	0.65	[0.18 - 1.66]
Suicide (E950-959)	5	13.36	0.37	[0.12 - 0.87]
Homicide (E960-969)	0	1.19	0.00	[0.00 - 3.10]
Other external causes (E800-807,E820-949,E970-999)	23	14.52	1.58	[1.00 - 2.38]
UNKNOWN CAUSES	1			
OTHER CAUSES	5			

Table 2.10.10
Mortality by cause

TOTAL COHORT
Ever exposed to FORM (formaldehyde)

Causes of death (ICD 9th.revision)	Observed	Expected	SMR	95% Confidence intervals
ALL CAUSES	7112	7844.87	0.91	[0.89 - 0.93]
ALL MALIGNANT NEOPLASMS (140-208)	1735	1915.65	0.91	[0.86 - 0.95]
Oral cavity & pharynx (140-149)	27	41.45	0.65	[0.43 - 0.95]
Oral cavity (141,143-145)	11	16.85	0.65	[0.33 - 1.17]
Nasopharynx (147)	1	3.05	0.33	[0.01 - 1.83]
Oesophagus (150)	36	47.29	0.76	[0.53 - 1.05]
Stomach (151)	139	179.2	0.78	[0.65 - 0.92]
Colon (153)	96	130.48	0.74	[0.60 - 0.90]
Rectum (154)	83	85.43	0.97	[0.77 - 1.20]
Liver (155)	34	36.06	0.94	[0.65 - 1.32]
Gallbladder (156)	12	16.93	0.71	[0.37 - 1.24]
Pancreas (157)	106	97.18	1.09	[0.89 - 1.32]
Peritoneum and other unspecified organs(158-159)	5	9.56	0.52	[0.17 - 1.22]
Nose & sinuses (160)	7	5.65	1.24	[0.50 - 2.55]
Larynx (161)	26	22.72	1.14	[0.75 - 1.68]
Lung (162)	447	456.67	0.98	[0.89 - 1.07]
Pleura (163)	5	7.58	0.66	[0.21 - 1.54]
Other respiratory organs (164-165)	2	4.5	0.44	[0.05 - 1.61]
Bone (170)	2	7.8	0.26	[0.03 - 0.93]
Soft tissue (171)	9	7.98	1.13	[0.52 - 2.14]
Melanoma (172)	32	29.26	1.09	[0.75 - 1.54]
Other skin (173)	5	5.36	0.93	[0.30 - 2.18]
Breast (174-175)	62	66.15	0.94	[0.72 - 1.20]
Cervix uteri (180)	18	17.75	1.01	[0.60 - 1.60]
Corpus uteri & uterus unspecified (179,181-182)	7	10.25	0.68	[0.27 - 1.41]
Ovary (183)	26	25.9	1.00	[0.66 - 1.47]
Other female genital organs (184)	3	2.33	1.29	[0.27 - 3.76]
Prostate (185)	126	145.06	0.87	[0.72 - 1.03]
Testis (186)	8	8.7	0.92	[0.40 - 1.81]
Other male genital organs (187)	5	2.13	2.35	[0.76 - 5.49]
Bladder (188)	66	61.58	1.07	[0.83 - 1.36]
Kidney (189)	43	53.26	0.81	[0.58 - 1.09]
Eye (190)	0	2.9	0.00	[0.00 - 1.27]
Brain (191-192)	49	55.65	0.88	[0.65 - 1.16]
Thyroid (193)	1	5.85	0.17	[0.00 - 0.95]
Other endocrine glands (194)	1	2.75	0.36	[0.01 - 2.02]
Ill defined (195,199)	86	86.22	1.00	[0.80 - 1.23]
Lymphatic & hematopoietic tissue (200-208)	138	155.43	0.89	[0.75 - 1.05]
Non-Hodgkins lymphoma (200,202)	34	45.66	0.74	[0.52 - 1.04]
Hodgkins disease (201)	15	15.24	0.98	[0.55 - 1.62]
Multiple myeloma (203)	33	29.87	1.10	[0.76 - 1.55]
Leukemia & aleukemia (204-208)	56	62.91	0.89	[0.67 - 1.16]
Lymphoid leukemia (204)	12	15.63	0.77	[0.40 - 1.34]
Myeloid leukemia (205)	26	26.54	0.98	[0.64 - 1.44]
BENIGN NEOPLASMS (210-239)	26	35.49	0.73	[0.48 - 1.07]
DIS. OF ENDOCRINE SYSTEM & BLOOD (240-289)	101	130.68	0.77	[0.63 - 0.94]
MENTAL DISORDERS (290-319)	59	85.32	0.69	[0.53 - 0.89]
DIS. OF NERVOUS SYSTEM (320-389)	86	109.5	0.79	[0.63 - 0.97]
DIS. OF CIRCULATORY SYSTEM (390-459)	3344	3487.17	0.96	[0.93 - 0.99]
Hypertension (401-405)	67	77.55	0.86	[0.67 - 1.10]
Ischaemic heart disease (410-414)	2148	2168.73	0.99	[0.95 - 1.03]
Cerebrovascular (430-438)	589	679.63	0.87	[0.80 - 0.94]
Other heart diseases (4150,4152-4299)	233	288.01	0.81	[0.71 - 0.92]
DIS. OF RESPIRATORY SYSTEM (460-519)	428	517.35	0.83	[0.75 - 0.91]
Influenza (487)	13	16.49	0.79	[0.42 - 1.35]
Pneumonia (480-486)	163	224.69	0.73	[0.62 - 0.85]
Bronchitis,emphysema & asthma (490-493)	185	188.58	0.98	[0.84 - 1.13]
Pneumoconioses (500-508)	4	6.84	0.59	[0.16 - 1.50]
DIS. OF DIGESTIVE SYSTEM (520-579)	239	281.22	0.85	[0.75 - 0.96]
Liver cirrhosis (571)	88	105.93	0.83	[0.67 - 1.02]
DIS. OF GENITO-URINARY SYSTEM (580-629)	74	109.28	0.68	[0.53 - 0.85]
Nephritis & nephrosis (580-589)	25	44.38	0.56	[0.36 - 0.83]
DIS. OF THE SKIN (680-739)	23	28.48	0.81	[0.51 - 1.21]
SYMPTOMS AND ILL-DEFINED CONDITIONS (780-799)	158	224.81	0.70	[0.60 - 0.82]
EXTERNAL CAUSES (E800-999)	679	815.62	0.83	[0.77 - 0.90]
Traffic accident (E810-819)	112	161.92	0.69	[0.57 - 0.83]
Suicide (E950-959)	199	255.33	0.78	[0.67 - 0.90]
Homicide (E960-969)	16	23.06	0.69	[0.40 - 1.13]
Other external causes (E800-807,E820-949,E970-999)	352	375.32	0.94	[0.84 - 1.04]
UNKNOWN CAUSES	47			
OTHER CAUSES	113			

Table 2.10.10
Mortality by cause

TOTAL COHORT
Ever exposed to FORM (formaldehyde)
Men

Causes of death (ICD 9th.revision)	Observed	Expected	SMR	95% Confidence intervals
ALL CAUSES	6080	6741.89	0.90	[0.88 - 0.92]
ALL MALIGNANT NEOPLASMS (140-208)	1411	1587.54	0.89	[0.84 - 0.94]
Oral cavity & pharynx (140-149)	26	38.26	0.68	[0.44 - 1.00]
Oral cavity (141,143-145)	10	15.37	0.65	[0.31 - 1.20]
Nasopharynx (147)	1	2.77	0.36	[0.01 - 2.01]
Oesophagus (150)	32	43.02	0.74	[0.51 - 1.05]
Stomach (151)	119	157.11	0.76	[0.63 - 0.91]
Colon (153)	80	105.27	0.76	[0.60 - 0.95]
Rectum (154)	70	72.76	0.96	[0.75 - 1.22]
Liver (155)	28	30.8	0.91	[0.60 - 1.31]
Gallbladder (156)	8	11.61	0.69	[0.30 - 1.36]
Pancreas (157)	91	81.44	1.12	[0.90 - 1.37]
Peritoneum and other unspecified organs(158-159)	3	7.45	0.40	[0.08 - 1.18]
Nose & sinuses (160)	7	5.17	1.35	[0.54 - 2.79]
Larynx (161)	25	22.06	1.13	[0.73 - 1.67]
Lung (162)	404	424.2	0.95	[0.86 - 1.05]
Pleura (163)	4	7.07	0.57	[0.15 - 1.45]
Other respiratory organs (164-165)	2	4.01	0.50	[0.06 - 1.80]
Bone (170)	2	6.65	0.30	[0.04 - 1.09]
Soft tissue (171)	6	6.55	0.92	[0.34 - 2.00]
Melanoma (172)	28	24.41	1.15	[0.76 - 1.66]
Other skin (173)	4	4.61	0.87	[0.24 - 2.22]
Breast (174-175)	1	1.53	0.65	[0.02 - 3.64]
Cervix uteri (180)	0	-	-	-
Corpus uteri & uterus unspecified (179,181-182)	0	-	-	-
Ovary (183)	0	-	-	-
Other female genital organs (184)	0	-	-	-
Prostate (185)	126	145.06	0.87	[0.72 - 1.03]
Testis (186)	8	8.7	0.92	[0.40 - 1.81]
Other male genital organs (187)	5	2.13	2.35	[0.76 - 5.49]
Bladder (188)	60	56.91	1.05	[0.80 - 1.36]
Kidney (189)	37	45.89	0.81	[0.57 - 1.11]
Eye (190)	0	2.35	0.00	[0.00 - 1.57]
Brain (191-192)	36	46.16	0.78	[0.55 - 1.08]
Thyroid (193)	1	4.12	0.24	[0.01 - 1.35]
Other endocrine glands (194)	0	2.22	0.00	[0.00 - 1.66]
Ill defined (195,199)	69	70.95	0.97	[0.76 - 1.23]
Lymphatic & hematopoietic tissue (200-208)	112	130.42	0.86	[0.71 - 1.03]
Non-Hodgkins lymphoma (200,202)	29	38.44	0.75	[0.51 - 1.08]
Hodgkins disease (201)	12	12.82	0.94	[0.48 - 1.64]
Multiple myeloma (203)	27	25.08	1.08	[0.71 - 1.57]
Leukemia & aleukemia (204-208)	44	52.62	0.84	[0.61 - 1.12]
Lymphoid leukemia (204)	12	13.65	0.88	[0.45 - 1.54]
Myeloid leukemia (205)	20	21.86	0.92	[0.56 - 1.41]
BENIGN NEOPLASMS (210-239)	24	28.73	0.84	[0.54 - 1.24]
DIS. OF ENDOCRINE SYSTEM & BLOOD (240-289)	80	105.62	0.76	[0.60 - 0.94]
MENTAL DISORDERS (290-319)	55	70.83	0.78	[0.59 - 1.01]
DIS. OF NERVOUS SYSTEM (320-389)	69	89.76	0.77	[0.60 - 0.97]
DIS. OF CIRCULATORY SYSTEM (390-459)	2894	3032.04	0.95	[0.92 - 0.99]
Hypertension (401-405)	49	63.21	0.78	[0.57 - 1.02]
Ischaemic heart disease (410-414)	1910	1950.26	0.98	[0.94 - 1.02]
Cerebrovascular (430-438)	480	549.19	0.87	[0.80 - 0.96]
Other heart diseases (4150,4152-4299)	191	241.68	0.79	[0.68 - 0.91]
DIS. OF RESPIRATORY SYSTEM (460-519)	357	447.86	0.80	[0.72 - 0.88]
Influenza (487)	7	13.15	0.53	[0.21 - 1.10]
Pneumonia (480-486)	121	187.61	0.64	[0.54 - 0.77]
Bronchitis,emphysema & asthma (490-493)	167	169.15	0.99	[0.84 - 1.15]
Pneumoconioses (500-508)	4	6.62	0.60	[0.16 - 1.55]
DIS. OF DIGESTIVE SYSTEM (520-579)	211	241.24	0.87	[0.76 - 1.00]
Liver cirrhosis (571)	80	95.02	0.84	[0.67 - 1.05]
DIS. OF GENITO-URINARY SYSTEM (580-629)	58	89.75	0.65	[0.49 - 0.84]
Nephritis & nephrosis (580-589)	22	37.18	0.59	[0.37 - 0.90]
DIS. OF THE SKIN (680-739)	17	19.49	0.87	[0.51 - 1.40]
SYMPTOMS AND ILL-DEFINED CONDITIONS (780-799)	142	202.03	0.70	[0.59 - 0.83]
EXTERNAL CAUSES (E800-999)	623	740.56	0.84	[0.78 - 0.91]
Traffic accident (E810-819)	102	148.39	0.69	[0.56 - 0.83]
Suicide (E950-959)	185	228.45	0.81	[0.70 - 0.94]
Homicide (E960-969)	16	20.58	0.78	[0.44 - 1.26]
Other external causes (E800-807,E820-949,E970-999)	320	343.16	0.93	[0.83 - 1.04]
UNKNOWN CAUSES	40			
OTHER CAUSES	99			

Table 2.10.10
Mortality by cause

TOTAL COHORT

Ever exposed to FORM (formaldehyde)

Women

Causes of death (ICD 9th.revision)	Observed	Expected	SMR	95% Confidence intervals
ALL CAUSES	1032	1102.97	0.94	[0.88 - 0.99]
ALL MALIGNANT NEOPLASMS (140-208)	324	328.11	0.99	[0.88 - 1.10]
Oral cavity & pharynx (140-149)	1	3.2	0.31	[0.01 - 1.74]
Oral cavity (141,143-145)	1	1.48	0.68	[0.02 - 3.77]
Nasopharynx (147)	0	0.28	0.00	[0.00 - 13.3]
Oesophagus (150)	4	4.27	0.94	[0.26 - 2.40]
Stomach (151)	20	22.08	0.91	[0.55 - 1.40]
Colon (153)	16	25.21	0.63	[0.36 - 1.03]
Rectum (154)	13	12.67	1.03	[0.55 - 1.75]
Liver (155)	6	5.26	1.14	[0.42 - 2.48]
Gallbladder (156)	4	5.32	0.75	[0.21 - 1.93]
Pancreas (157)	15	15.74	0.95	[0.53 - 1.57]
Peritoneum and other unspecified organs(158-159)	2	2.12	0.95	[0.11 - 3.41]
Nose & sinuses (160)	0	0.48	0.00	[0.00 - 7.71]
Larynx (161)	1	0.66	1.52	[0.04 - 8.45]
Lung (162)	43	32.47	1.32	[0.96 - 1.78]
Pleura (163)	1	0.51	1.95	[0.05 - 10.9]
Other respiratory organs (164-165)	0	0.48	0.00	[0.00 - 7.62]
Bone (170)	0	1.15	0.00	[0.00 - 3.21]
Soft tissue (171)	3	1.44	2.09	[0.43 - 6.10]
Melanoma (172)	4	4.85	0.82	[0.22 - 2.11]
Other skin (173)	1	0.75	1.34	[0.03 - 7.46]
Breast (174-175)	61	64.62	0.94	[0.72 - 1.21]
Cervix uteri (180)	18	17.75	1.01	[0.60 - 1.60]
Corpus uteri & uterus unspecified (179,181-182)	7	10.25	0.68	[0.27 - 1.41]
Ovary (183)	26	25.9	1.00	[0.66 - 1.47]
Other female genital organs (184)	3	2.33	1.29	[0.27 - 3.76]
Prostate (185)	0	-	-	-
Testis (186)	0	-	-	-
Other male genital organs (187)	0	-	-	-
Bladder (188)	6	4.67	1.28	[0.47 - 2.79]
Kidney (189)	6	7.37	0.81	[0.30 - 1.77]
Eye (190)	0	0.55	0.00	[0.00 - 6.75]
Brain (191-192)	13	9.49	1.37	[0.73 - 2.34]
Thyroid (193)	0	1.73	0.00	[0.00 - 2.14]
Other endocrine glands (194)	1	0.54	1.86	[0.05 - 10.4]
Ill defined (195,199)	17	15.28	1.11	[0.65 - 1.78]
Lymphatic & hematopoietic tissue (200-208)	26	25.02	1.04	[0.68 - 1.52]
Non-Hodgkins lymphoma (200,202)	5	7.21	0.69	[0.22 - 1.62]
Hodgkins disease (201)	3	2.42	1.24	[0.26 - 3.63]
Multiple myeloma (203)	6	4.79	1.25	[0.46 - 2.73]
Leukemia & aleukemia (204-208)	12	10.29	1.17	[0.60 - 2.04]
Lymphoid leukemia (204)	0	1.98	0.00	[0.00 - 1.86]
Myeloid leukemia (205)	6	4.69	1.28	[0.47 - 2.79]
BENIGN NEOPLASMS (210-239)	2	6.77	0.30	[0.04 - 1.07]
DIS. OF ENDOCRINE SYSTEM & BLOOD (240-289)	21	25.06	0.84	[0.52 - 1.28]
MENTAL DISORDERS (290-319)	4	14.49	0.28	[0.08 - 0.71]
DIS. OF NERVOUS SYSTEM (320-389)	17	19.73	0.86	[0.50 - 1.38]
DIS. OF CIRCULATORY SYSTEM (390-459)	450	455.13	0.99	[0.90 - 1.08]
Hypertension (401-405)	18	14.34	1.26	[0.74 - 1.98]
Ischaemic heart disease (410-414)	238	218.47	1.09	[0.96 - 1.24]
Cerebrovascular (430-438)	109	130.44	0.84	[0.69 - 1.01]
Other heart diseases (4150,4152-4299)	42	46.33	0.91	[0.65 - 1.23]
DIS. OF RESPIRATORY SYSTEM (460-519)	71	69.49	1.02	[0.80 - 1.29]
Influenza (487)	6	3.34	1.80	[0.66 - 3.91]
Pneumonia (480-486)	42	37.08	1.13	[0.82 - 1.53]
Bronchitis,emphysema & asthma (490-493)	18	19.42	0.93	[0.55 - 1.46]
Pneumoconioses (500-508)	0	0.22	0.00	[0.00 - 16.7]
DIS. OF DIGESTIVE SYSTEM (520-579)	28	39.98	0.70	[0.47 - 1.01]
Liver cirrhosis (571)	8	10.91	0.73	[0.32 - 1.44]
DIS. OF GENITO-URINARY SYSTEM (580-629)	16	19.53	0.82	[0.47 - 1.33]
Nephritis & nephrosis (580-589)	3	7.19	0.42	[0.09 - 1.22]
DIS. OF THE SKIN (680-739)	6	9	0.67	[0.24 - 1.45]
SYMPTOMS AND ILL-DEFINED CONDITIONS (780-799)	16	22.78	0.70	[0.40 - 1.14]
EXTERNAL CAUSES (E800-999)	56	75.05	0.75	[0.56 - 0.97]
Traffic accident (E810-819)	10	13.53	0.74	[0.35 - 1.36]
Suicide (E950-959)	14	26.88	0.52	[0.28 - 0.87]
Homicide (E960-969)	0	2.47	0.00	[0.00 - 1.49]
Other external causes (E800-807,E820-949,E970-999)	32	32.16	0.99	[0.68 - 1.40]
UNKNOWN CAUSES	7			
OTHER CAUSES	14			

Table 2.10.11
Mortality by cause

TOTAL COHORT

Ever exposed to FUNG (fungal spores anc bacteria)

Causes of death (ICD 9th.revision)	Observed	Expected	SMR	95% Confidence intervals
ALL CAUSES	11114	12223.7	0.91	[0.89 - 0.93]
ALL MALIGNANT NEOPLASMS (140-208)	2710	2920.05	0.93	[0.89 - 0.96]
Oral cavity & pharynx (140-149)	46	68.42	0.67	[0.49 - 0.90]
Oral cavity (141,143-145)	21	27.53	0.76	[0.47 - 1.17]
Nasopharynx (147)	2	4.74	0.42	[0.05 - 1.53]
Oesophagus (150)	60	75.12	0.80	[0.61 - 1.03]
Stomach (151)	243	285.67	0.85	[0.75 - 0.96]
Colon (153)	165	198.74	0.83	[0.71 - 0.97]
Rectum (154)	117	130.4	0.90	[0.74 - 1.08]
Liver (155)	49	56.07	0.87	[0.65 - 1.16]
Gallbladder (156)	17	24.98	0.68	[0.40 - 1.09]
Pancreas (157)	153	149.96	1.02	[0.86 - 1.20]
Peritoneum and other unspecified organs(158-159)	9	14.59	0.62	[0.28 - 1.17]
Nose & sinuses (160)	12	9.88	1.21	[0.63 - 2.12]
Larynx (161)	37	36.86	1.00	[0.71 - 1.38]
Lung (162)	694	689.33	1.01	[0.93 - 1.08]
Pleura (163)	19	11.66	1.63	[0.98 - 2.55]
Other respiratory organs (164-165)	12	6.91	1.74	[0.90 - 3.03]
Bone (170)	4	11.7	0.34	[0.09 - 0.88]
Soft tissue (171)	14	12.45	1.12	[0.61 - 1.89]
Melanoma (172)	42	45.35	0.93	[0.67 - 1.25]
Other skin (173)	7	8.4	0.83	[0.34 - 1.72]
Breast (174-175)	69	73.83	0.93	[0.73 - 1.18]
Cervix uteri (180)	19	19.34	0.98	[0.59 - 1.53]
Corpus uteri & uterus unspecified (179,181-182)	8	11.46	0.70	[0.30 - 1.38]
Ovary (183)	25	28.97	0.86	[0.56 - 1.27]
Other female genital organs (184)	2	2.75	0.73	[0.09 - 2.63]
Prostate (185)	211	245.29	0.86	[0.75 - 0.98]
Testis (186)	11	13.23	0.83	[0.42 - 1.49]
Other male genital organs (187)	8	3.31	2.41	[1.04 - 4.76]
Bladder (188)	94	94.67	0.99	[0.80 - 1.22]
Kidney (189)	73	82.38	0.89	[0.69 - 1.11]
Eye (190)	4	4.47	0.90	[0.24 - 2.29]
Brain (191-192)	77	82.19	0.94	[0.74 - 1.17]
Thyroid (193)	4	8.81	0.45	[0.12 - 1.16]
Other endocrine glands (194)	3	4.11	0.73	[0.15 - 2.13]
Ill defined (195,199)	146	135.4	1.08	[0.91 - 1.27]
Lymphatic & heamatopoietic tissue (200-208)	217	239.93	0.90	[0.79 - 1.03]
Non-Hodgkins lymphoma (200,202)	59	70.87	0.83	[0.63 - 1.07]
Hodgkins disease (201)	24	22.75	1.05	[0.68 - 1.57]
Multiple myeloma (203)	49	47.56	1.03	[0.76 - 1.36]
Leukemia & aleukemia (204-208)	85	96.38	0.88	[0.70 - 1.09]
Lymphoid leukemia (204)	19	24.1	0.79	[0.47 - 1.23]
Myeloid leukemia (205)	37	40.35	0.92	[0.65 - 1.26]
BENIGN NEOPLASMS (210-239)	43	54.52	0.79	[0.57 - 1.06]
DIS. OF ENDOCRINE SYSTEM & BLOOD (240-289)	150	200.95	0.75	[0.63 - 0.88]
MENTAL DISORDERS (290-319)	93	134.86	0.69	[0.56 - 0.84]
DIS. OF NERVOUS SYSTEM (320-389)	137	168.87	0.81	[0.68 - 0.96]
DIS. OF CIRCULATORY SYSTEM (390-459)	5195	5501.87	0.94	[0.92 - 0.97]
Hypertension (401-405)	99	124.08	0.80	[0.65 - 0.97]
Ischaemic heart disease (410-414)	3341	3432.21	0.97	[0.94 - 1.01]
Cerebrovascular (430-438)	918	1072.95	0.86	[0.80 - 0.91]
Other heart diseases (4150,4152-4299)	340	457.11	0.74	[0.67 - 0.83]
DIS. OF RESPIRATORY SYSTEM (460-519)	663	811.64	0.82	[0.76 - 0.88]
Influenza (487)	17	25.64	0.66	[0.39 - 1.06]
Pneumonia (480-486)	270	363.92	0.74	[0.66 - 0.84]
Bronchitis,emphysema & asthma (490-493)	261	279.54	0.93	[0.82 - 1.05]
Pneumoconioses (500-508)	5	11.02	0.45	[0.15 - 1.06]
DIS. OF DIGESTIVE SYSTEM (520-579)	366	433.51	0.84	[0.76 - 0.94]
Liver cirrhosis (571)	144	161.17	0.89	[0.75 - 1.05]
DIS. OF GENITO-URINARY SYSTEM (580-629)	136	170.13	0.80	[0.67 - 0.95]
Nephritis & nephrosis (580-589)	48	70.43	0.68	[0.50 - 0.90]
DIS. OF THE SKIN (680-739)	34	43.18	0.79	[0.55 - 1.10]
SYMPTOMS AND ILL-DEFINED CONDITIONS (780-799)	268	367.3	0.73	[0.64 - 0.82]
EXTERNAL CAUSES (E800-999)	1053	1250.91	0.84	[0.79 - 0.89]
Traffic accident (E810-819)	185	252.14	0.73	[0.63 - 0.85]
Suicide (E950-959)	278	375.78	0.74	[0.66 - 0.83]
Homicide (E960-969)	27	39.39	0.69	[0.45 - 1.00]
Other external causes (E800-807,E820-949,E970-999)	563	583.62	0.96	[0.89 - 1.05]
UNKNOWN CAUSES	67			
OTHER CAUSES	199			

Table 2.10.11
Mortality by cause

TOTAL COHORT

Ever exposed to FUNG (fungal spores and bacteria)

Men

Causes of death (ICD 9th.revision)	Observed	Expected	SMR	95% Confidence intervals
ALL CAUSES	9936	10942.2	0.91	[0.89 - 0.93]
ALL MALIGNANT NEOPLASMS (140-208)	2354	2550.93	0.92	[0.89 - 0.96]
Oral cavity & pharynx (140-149)	44	64.8	0.68	[0.49 - 0.91]
Oral cavity (141,143-145)	19	25.81	0.74	[0.44 - 1.15]
Nasopharynx (147)	2	4.43	0.45	[0.05 - 1.63]
Oesophagus (150)	56	70.17	0.80	[0.60 - 1.04]
Stomach (151)	217	259.36	0.84	[0.73 - 0.96]
Colon (153)	151	169.83	0.89	[0.75 - 1.04]
Rectum (154)	102	115.76	0.88	[0.72 - 1.07]
Liver (155)	42	50.33	0.83	[0.60 - 1.13]
Gallbladder (156)	14	18.96	0.74	[0.40 - 1.24]
Pancreas (157)	135	131.6	1.03	[0.86 - 1.21]
Peritoneum and other unspecified organs(158-159)	7	12.35	0.57	[0.23 - 1.17]
Nose & sinuses (160)	12	9.31	1.29	[0.67 - 2.25]
Larynx (161)	36	36.17	1.00	[0.70 - 1.38]
Lung (162)	643	653.89	0.98	[0.91 - 1.06]
Pleura (163)	18	11.09	1.62	[0.96 - 2.57]
Other respiratory organs (164-165)	12	6.39	1.88	[0.97 - 3.28]
Bone (170)	4	10.54	0.38	[0.10 - 0.97]
Soft tissue (171)	11	10.79	1.02	[0.51 - 1.82]
Melanoma (172)	37	39.93	0.93	[0.65 - 1.28]
Other skin (173)	6	7.55	0.80	[0.29 - 1.73]
Breast (174-175)	1	2.44	0.41	[0.01 - 2.29]
Cervix uteri (180)	0	-	-	-
Corpus uteri & uterus unspecified (179,181-182)	0	-	-	-
Ovary (183)	0	-	-	-
Other female genital organs (184)	0	-	-	-
Prostate (185)	211	245.29	0.86	[0.75 - 0.98]
Testis (186)	11	13.23	0.83	[0.42 - 1.49]
Other male genital organs (187)	8	3.31	2.41	[1.04 - 4.76]
Bladder (188)	88	89.26	0.99	[0.79 - 1.21]
Kidney (189)	67	73.97	0.91	[0.70 - 1.15]
Eye (190)	4	3.83	1.05	[0.28 - 2.68]
Brain (191-192)	64	71.97	0.89	[0.68 - 1.14]
Thyroid (193)	4	6.76	0.59	[0.16 - 1.51]
Other endocrine glands (194)	2	3.51	0.57	[0.07 - 2.06]
Ill defined (195,199)	123	117.5	1.05	[0.87 - 1.25]
Lymphatic & hematopoietic tissue (200-208)	193	211.49	0.91	[0.79 - 1.05]
Non-Hodgkins lymphoma (200,202)	55	62.43	0.88	[0.66 - 1.15]
Hodgkins disease (201)	20	20.18	0.99	[0.61 - 1.53]
Multiple myeloma (203)	44	41.76	1.05	[0.77 - 1.41]
Leukemia & aleukemia (204-208)	74	84.96	0.87	[0.68 - 1.09]
Lymphoid leukemia (204)	18	21.79	0.83	[0.49 - 1.31]
Myeloid leukemia (205)	32	35.02	0.91	[0.63 - 1.29]
BENIGN NEOPLASMS (210-239)	40	46.85	0.85	[0.61 - 1.16]
DIS. OF ENDOCRINE SYSTEM & BLOOD (240-289)	126	172.61	0.73	[0.61 - 0.87]
MENTAL DISORDERS (290-319)	88	116.55	0.76	[0.61 - 0.93]
DIS. OF NERVOUS SYSTEM (320-389)	118	146.46	0.81	[0.67 - 0.96]
DIS. OF CIRCULATORY SYSTEM (390-459)	4679	4952.45	0.94	[0.92 - 0.97]
Hypertension (401-405)	78	106.6	0.73	[0.58 - 0.91]
Ischaemic heart disease (410-414)	3068	3166.4	0.97	[0.93 - 1.00]
Cerebrovascular (430-438)	794	913.76	0.87	[0.81 - 0.93]
Other heart diseases (4150,4152-4299)	292	401.81	0.73	[0.65 - 0.82]
DIS. OF RESPIRATORY SYSTEM (460-519)	584	728.2	0.80	[0.74 - 0.87]
Influenza (487)	10	21.66	0.46	[0.22 - 0.85]
Pneumonia (480-486)	222	317.04	0.70	[0.61 - 0.80]
Bronchitis,emphysema & asthma (490-493)	244	257.98	0.95	[0.83 - 1.07]
Pneumoconioses (500-508)	5	10.77	0.46	[0.15 - 1.08]
DIS. OF DIGESTIVE SYSTEM (520-579)	332	388.99	0.85	[0.76 - 0.95]
Liver cirrhosis (571)	137	150.23	0.91	[0.77 - 1.08]
DIS. OF GENITO-URINARY SYSTEM (580-629)	114	147.75	0.77	[0.64 - 0.93]
Nephritis & nephrosis (580-589)	45	62.45	0.72	[0.53 - 0.96]
DIS. OF THE SKIN (680-739)	26	32.57	0.80	[0.52 - 1.17]
SYMPTOMS AND ILL-DEFINED CONDITIONS (780-799)	250	341.05	0.73	[0.64 - 0.83]
EXTERNAL CAUSES (E800-999)	984	1172	0.84	[0.79 - 0.89]
Traffic accident (E810-819)	171	237.88	0.72	[0.62 - 0.84]
Suicide (E950-959)	262	348.43	0.75	[0.66 - 0.85]
Homicide (E960-969)	26	36.87	0.71	[0.46 - 1.03]
Other external causes (E800-807,E820-949,E970-999)	525	548.84	0.96	[0.88 - 1.04]
UNKNOWN CAUSES	60			
OTHER CAUSES	181			

Table 2.10.11
Mortality by cause

TOTAL COHORT

Ever exposed to FUNG (fungal spores anc bacteria)

Women

Causes of death (ICD 9th.revision)	Observed	Expected	SMR	95% Confidence intervals
ALL CAUSES	1178	1281.56	0.92	[0.87 - 0.97]
ALL MALIGNANT NEOPLASMS (140-208)	356	369.11	0.96	[0.87 - 1.07]
Oral cavity & pharynx (140-149)	2	3.62	0.55	[0.07 - 1.99]
Oral cavity (141,143-145)	2	1.72	1.16	[0.14 - 4.19]
Nasopharynx (147)	0	0.31	0.00	[0.00 - 11.9]
Oesophagus (150)	4	4.95	0.81	[0.22 - 2.07]
Stomach (151)	26	26.31	0.99	[0.65 - 1.45]
Colon (153)	14	28.92	0.48	[0.26 - 0.81]
Rectum (154)	15	14.65	1.02	[0.57 - 1.69]
Liver (155)	7	5.74	1.22	[0.49 - 2.51]
Gallbladder (156)	3	6.01	0.50	[0.10 - 1.46]
Pancreas (157)	18	18.37	0.98	[0.58 - 1.55]
Peritoneum and other unspecified organs(158-159)	2	2.24	0.89	[0.11 - 3.22]
Nose & sinuses (160)	0	0.57	0.00	[0.00 - 6.42]
Larynx (161)	1	0.68	1.46	[0.04 - 8.14]
Lung (162)	51	35.45	1.44	[1.07 - 1.89]
Pleura (163)	1	0.57	1.75	[0.04 - 9.74]
Other respiratory organs (164-165)	0	0.52	0.00	[0.00 - 7.14]
Bone (170)	0	1.16	0.00	[0.00 - 3.18]
Soft tissue (171)	3	1.66	1.81	[0.37 - 5.28]
Melanoma (172)	5	5.42	0.92	[0.30 - 2.15]
Other skin (173)	1	0.85	1.17	[0.03 - 6.54]
Breast (174-175)	68	71.4	0.95	[0.74 - 1.21]
Cervix uteri (180)	19	19.34	0.98	[0.59 - 1.53]
Corpus uteri & uterus unspecified (179,181-182)	8	11.46	0.70	[0.30 - 1.38]
Ovary (183)	25	28.97	0.86	[0.56 - 1.27]
Other female genital organs (184)	2	2.75	0.73	[0.09 - 2.63]
Prostate (185)	0	-	-	-
Testis (186)	0	-	-	-
Other male genital organs (187)	0	-	-	-
Bladder (188)	6	5.4	1.11	[0.41 - 2.42]
Kidney (189)	6	8.41	0.71	[0.26 - 1.55]
Eye (190)	0	0.64	0.00	[0.00 - 5.75]
Brain (191-192)	13	10.23	1.27	[0.68 - 2.17]
Thyroid (193)	0	2.05	0.00	[0.00 - 1.80]
Other endocrine glands (194)	1	0.6	1.66	[0.04 - 9.25]
Ill defined (195,199)	23	17.9	1.28	[0.81 - 1.93]
Lymphatic & heamatopoietic tissue (200-208)	24	28.44	0.84	[0.54 - 1.26]
Non-Hodgkins lymphoma (200,202)	4	8.44	0.47	[0.13 - 1.21]
Hodgkins disease (201)	4	2.57	1.56	[0.42 - 3.99]
Multiple myeloma (203)	5	5.79	0.86	[0.28 - 2.01]
Leukemia & aleukemia (204-208)	11	11.42	0.96	[0.48 - 1.72]
Lymphoid leukemia (204)	1	2.31	0.43	[0.01 - 2.42]
Myeloid leukemia (205)	5	5.34	0.94	[0.30 - 2.19]
BENIGN NEOPLASMS (210-239)	3	7.67	0.39	[0.08 - 1.14]
DIS. OF ENDOCRINE SYSTEM & BLOOD (240-289)	24	28.33	0.85	[0.54 - 1.26]
MENTAL DISORDERS (290-319)	5	18.3	0.27	[0.09 - 0.64]
DIS. OF NERVOUS SYSTEM (320-389)	19	22.42	0.85	[0.51 - 1.32]
DIS. OF CIRCULATORY SYSTEM (390-459)	516	549.42	0.94	[0.86 - 1.02]
Hypertension (401-405)	21	17.49	1.20	[0.74 - 1.84]
Ischaemic heart disease (410-414)	273	265.81	1.03	[0.91 - 1.16]
Cerebrovascular (430-438)	124	159.18	0.78	[0.65 - 0.93]
Other heart diseases (4150,4152-4299)	48	55.3	0.87	[0.64 - 1.15]
DIS. OF RESPIRATORY SYSTEM (460-519)	79	83.44	0.95	[0.75 - 1.18]
Influenza (487)	7	3.98	1.76	[0.71 - 3.63]
Pneumonia (480-486)	48	46.89	1.02	[0.75 - 1.36]
Bronchitis,emphysema & asthma (490-493)	17	21.56	0.79	[0.46 - 1.26]
Pneumoconioses (500-508)	0	0.24	0.00	[0.00 - 15.1]
DIS. OF DIGESTIVE SYSTEM (520-579)	34	44.53	0.76	[0.53 - 1.07]
Liver cirrhosis (571)	7	10.94	0.64	[0.26 - 1.32]
DIS. OF GENITO-URINARY SYSTEM (580-629)	22	22.38	0.98	[0.62 - 1.49]
Nephritis & nephrosis (580-589)	3	7.97	0.38	[0.08 - 1.10]
DIS. OF THE SKIN (680-739)	8	10.61	0.75	[0.33 - 1.49]
SYMPTOMS AND ILL-DEFINED CONDITIONS (780-799)	18	26.25	0.69	[0.41 - 1.08]
EXTERNAL CAUSES (E800-999)	69	78.91	0.87	[0.68 - 1.11]
Traffic accident (E810-819)	14	14.27	0.98	[0.54 - 1.65]
Suicide (E950-959)	16	27.35	0.59	[0.33 - 0.95]
Homicide (E960-969)	1	2.52	0.40	[0.01 - 2.21]
Other external causes (E800-807,E820-949,E970-999)	38	34.79	1.09	[0.77 - 1.50]
UNKNOWN CAUSES	7			
OTHER CAUSES	18			

Table 2.10.12
Mortality by cause

TOTAL COHORT

Ever exposed to HG (mercury compounds)

Causes of death (ICD 9th.revision)	Observed	Expected	SMR	95% Confidence intervals
ALL CAUSES	2136	2439.59	0.88	[0.84 - 0.91]
ALL MALIGNANT NEOPLASMS (140-208)	545	580.5	0.94	[0.86 - 1.02]
Oral cavity & pharynx (140-149)	14	10.33	1.36	[0.74 - 2.27]
Oral cavity (141,143-145)	7	4.52	1.55	[0.62 - 3.19]
Nasopharynx (147)	0	0.96	0.00	[0.00 - 3.84]
Oesophagus (150)	6	11.96	0.50	[0.18 - 1.09]
Stomach (151)	55	59.96	0.92	[0.69 - 1.19]
Colon (153)	34	39.38	0.86	[0.60 - 1.21]
Rectum (154)	27	28.17	0.96	[0.63 - 1.39]
Liver (155)	8	12.25	0.65	[0.28 - 1.29]
Gallbladder (156)	2	5.84	0.34	[0.04 - 1.24]
Pancreas (157)	28	32.63	0.86	[0.57 - 1.24]
Peritoneum and other unspecified organs(158-159)	0	2.18	0.00	[0.00 - 1.69]
Nose & sinuses (160)	1	1.43	0.70	[0.02 - 3.90]
Larynx (161)	1	5.01	0.20	[0.00 - 1.11]
Lung (162)	139	134.76	1.03	[0.87 - 1.22]
Pleura (163)	7	2.62	2.67	[1.07 - 5.50]
Other respiratory organs (164-165)	5	1.52	3.30	[1.07 - 7.69]
Bone (170)	1	2.06	0.48	[0.01 - 2.70]
Soft tissue (171)	1	2.55	0.39	[0.01 - 2.18]
Melanoma (172)	10	9.54	1.05	[0.50 - 1.93]
Other skin (173)	0	1.49	0.00	[0.00 - 2.48]
Breast (174-175)	13	11.02	1.18	[0.63 - 2.02]
Cervix uteri (180)	3	2.3	1.31	[0.27 - 3.82]
Corpus uteri & uterus unspecified (179,181-182)	2	1.58	1.26	[0.15 - 4.57]
Ovary (183)	2	4.61	0.43	[0.05 - 1.57]
Other female genital organs (184)	0	0.39	0.00	[0.00 - 9.45]
Prostate (185)	49	52.48	0.93	[0.69 - 1.23]
Testis (186)	4	2.94	1.36	[0.37 - 3.48]
Other male genital organs (187)	0	0.76	0.00	[0.00 - 4.87]
Bladder (188)	18	20.26	0.89	[0.53 - 1.40]
Kidney (189)	17	18.85	0.90	[0.53 - 1.44]
Eye (190)	2	0.97	2.06	[0.25 - 7.45]
Brain (191-192)	17	18.03	0.94	[0.55 - 1.51]
Thyroid (193)	1	1.87	0.53	[0.01 - 2.98]
Other endocrine glands (194)	0	0.95	0.00	[0.00 - 3.87]
Ill defined (195,199)	22	24.74	0.89	[0.56 - 1.35]
Lymphatic & hematopoietic tissue (200-208)	48	50.7	0.95	[0.70 - 1.26]
Non-Hodgkins lymphoma (200,202)	16	15.09	1.06	[0.61 - 1.72]
Hodgkins disease (201)	5	5.05	0.99	[0.32 - 2.31]
Multiple myeloma (203)	8	10.19	0.79	[0.34 - 1.55]
Leukemia & aleukemia (204-208)	19	20.34	0.93	[0.56 - 1.46]
Lymphoid leukemia (204)	3	5.33	0.56	[0.12 - 1.64]
Myeloid leukemia (205)	7	8.53	0.82	[0.33 - 1.69]
BENIGN NEOPLASMS (210-239)	7	11.19	0.63	[0.25 - 1.29]
DIS. OF ENDOCRINE SYSTEM & BLOOD (240-289)	23	37.89	0.61	[0.38 - 0.91]
MENTAL DISORDERS (290-319)	11	23.43	0.47	[0.23 - 0.84]
DIS. OF NERVOUS SYSTEM (320-389)	29	33.28	0.87	[0.58 - 1.25]
DIS. OF CIRCULATORY SYSTEM (390-459)	1012	1114.3	0.91	[0.85 - 0.97]
Hypertension (401-405)	18	21.96	0.82	[0.49 - 1.30]
Ischaemic heart disease (410-414)	696	722.52	0.96	[0.89 - 1.04]
Cerebrovascular (430-438)	179	204.9	0.87	[0.75 - 1.01]
Other heart diseases (4150,4152-4299)	54	84.21	0.64	[0.48 - 0.84]
DIS. OF RESPIRATORY SYSTEM (460-519)	120	146.96	0.82	[0.68 - 0.98]
Influenza (487)	2	4.8	0.42	[0.05 - 1.50]
Pneumonia (480-486)	50	66.15	0.76	[0.56 - 1.00]
Bronchitis,emphysema & asthma (490-493)	53	59.38	0.89	[0.67 - 1.17]
Pneumoconioses (500-508)	1	1.45	0.69	[0.02 - 3.84]
DIS. OF DIGESTIVE SYSTEM (520-579)	53	82.58	0.64	[0.48 - 0.84]
Liver cirrhosis (571)	20	29.58	0.68	[0.41 - 1.04]
DIS. OF GENITO-URINARY SYSTEM (580-629)	31	34.31	0.90	[0.61 - 1.28]
Nephritis & nephrosis (580-589)	7	12.53	0.56	[0.22 - 1.15]
DIS. OF THE SKIN (680-739)	5	8.45	0.59	[0.19 - 1.38]
SYMPTOMS AND ILL-DEFINED CONDITIONS (780-799)	64	68.81	0.93	[0.72 - 1.19]
EXTERNAL CAUSES (E800-999)	211	266.75	0.79	[0.69 - 0.91]
Traffic accident (E810-819)	32	45.57	0.70	[0.48 - 0.99]
Suicide (E950-959)	65	91.8	0.71	[0.55 - 0.90]
Homicide (E960-969)	5	6.33	0.79	[0.26 - 1.84]
Other external causes (E800-807,E820-949,E970-999)	109	123.05	0.89	[0.73 - 1.07]
UNKNOWN CAUSES	5			
OTHER CAUSES	20			

Table 2.10.12
Mortality by cause

TOTAL COHORT

Ever exposed to HG (mercury compounds)

Men

Causes of death (ICD 9th.revision)	Observed	Expected	SMR	95% Confidence intervals
ALL CAUSES	1993	2270.92	0.88	[0.84 - 0.92]
ALL MALIGNANT NEOPLASMS (140-208)	493	527.64	0.93	[0.85 - 1.02]
Oral cavity & pharynx (140-149)	13	9.83	1.32	[0.70 - 2.26]
Oral cavity (141,143-145)	6	4.28	1.40	[0.51 - 3.05]
Nasopharynx (147)	0	0.92	0.00	[0.00 - 4.03]
Oesophagus (150)	5	11.43	0.44	[0.14 - 1.02]
Stomach (151)	53	56.12	0.94	[0.71 - 1.24]
Colon (153)	28	35.7	0.78	[0.52 - 1.13]
Rectum (154)	27	26.2	1.03	[0.68 - 1.50]
Liver (155)	6	11.29	0.53	[0.20 - 1.16]
Gallbladder (156)	2	4.62	0.43	[0.05 - 1.56]
Pancreas (157)	26	29.62	0.88	[0.57 - 1.29]
Peritoneum and other unspecified organs(158-159)	0	1.91	0.00	[0.00 - 1.93]
Nose & sinuses (160)	1	1.35	0.74	[0.02 - 4.14]
Larynx (161)	1	4.95	0.20	[0.01 - 1.13]
Lung (162)	133	130.84	1.02	[0.85 - 1.20]
Pleura (163)	7	2.51	2.78	[1.12 - 5.74]
Other respiratory organs (164-165)	5	1.42	3.51	[1.14 - 8.19]
Bone (170)	1	1.9	0.53	[0.01 - 2.94]
Soft tissue (171)	0	2.24	0.00	[0.00 - 1.64]
Melanoma (172)	9	8.68	1.04	[0.47 - 1.97]
Other skin (173)	0	1.39	0.00	[0.00 - 2.65]
Breast (174-175)	0	0.49	0.00	[0.00 - 7.56]
Cervix uteri (180)	0	-	-	-
Corpus uteri & uterus unspecified (179,181-182)	0	-	-	-
Ovary (183)	0	-	-	-
Other female genital organs (184)	0	-	-	-
Prostate (185)	49	52.48	0.93	[0.69 - 1.23]
Testis (186)	4	2.94	1.36	[0.37 - 3.48]
Other male genital organs (187)	0	0.76	0.00	[0.00 - 4.87]
Bladder (188)	18	19.65	0.92	[0.54 - 1.45]
Kidney (189)	17	17.4	0.98	[0.57 - 1.56]
Eye (190)	2	0.86	2.32	[0.28 - 8.38]
Brain (191-192)	16	16.21	0.99	[0.56 - 1.60]
Thyroid (193)	1	1.54	0.65	[0.02 - 3.61]
Other endocrine glands (194)	0	0.85	0.00	[0.00 - 4.36]
Ill defined (195,199)	20	22.42	0.89	[0.55 - 1.38]
Lymphatic & hematopoietic tissue (200-208)	44	46.08	0.95	[0.69 - 1.28]
Non-Hodgkins lymphoma (200,202)	16	13.67	1.17	[0.67 - 1.90]
Hodgkins disease (201)	4	4.65	0.86	[0.23 - 2.20]
Multiple myeloma (203)	8	9.21	0.87	[0.37 - 1.71]
Leukemia & aleukemia (204-208)	16	18.52	0.86	[0.49 - 1.40]
Lymphoid leukemia (204)	3	4.96	0.61	[0.12 - 1.77]
Myeloid leukemia (205)	6	7.6	0.79	[0.29 - 1.72]
BENIGN NEOPLASMS (210-239)	7	10.07	0.69	[0.28 - 1.43]
DIS. OF ENDOCRINE SYSTEM & BLOOD (240-289)	21	34.3	0.61	[0.38 - 0.94]
MENTAL DISORDERS (290-319)	9	21.36	0.42	[0.19 - 0.80]
DIS. OF NERVOUS SYSTEM (320-389)	29	29.79	0.97	[0.65 - 1.40]
DIS. OF CIRCULATORY SYSTEM (390-459)	958	1046.69	0.92	[0.86 - 0.98]
Hypertension (401-405)	17	20.07	0.85	[0.49 - 1.36]
Ischaemic heart disease (410-414)	666	689.16	0.97	[0.89 - 1.04]
Cerebrovascular (430-438)	164	185.27	0.89	[0.75 - 1.03]
Other heart diseases (4150,4152-4299)	50	77.59	0.64	[0.48 - 0.85]
DIS. OF RESPIRATORY SYSTEM (460-519)	110	137.77	0.80	[0.66 - 0.96]
Influenza (487)	1	4.44	0.23	[0.01 - 1.26]
Pneumonia (480-486)	43	60.81	0.71	[0.51 - 0.95]
Bronchitis,emphysema & asthma (490-493)	52	56.89	0.91	[0.68 - 1.20]
Pneumoconioses (500-508)	1	1.42	0.71	[0.02 - 3.93]
DIS. OF DIGESTIVE SYSTEM (520-579)	50	76.96	0.65	[0.48 - 0.86]
Liver cirrhosis (571)	19	27.96	0.68	[0.41 - 1.06]
DIS. OF GENITO-URINARY SYSTEM (580-629)	30	31.78	0.94	[0.64 - 1.35]
Nephritis & nephrosis (580-589)	6	11.52	0.52	[0.19 - 1.13]
DIS. OF THE SKIN (680-739)	3	6.65	0.45	[0.09 - 1.32]
SYMPTOMS AND ILL-DEFINED CONDITIONS (780-799)	62	66.16	0.94	[0.72 - 1.20]
EXTERNAL CAUSES (E800-999)	198	253.89	0.78	[0.68 - 0.90]
Traffic accident (E810-819)	30	43.22	0.69	[0.47 - 0.99]
Suicide (E950-959)	62	87.09	0.71	[0.55 - 0.91]
Homicide (E960-969)	4	5.81	0.69	[0.19 - 1.76]
Other external causes (E800-807,E820-949,E970-999)	102	117.78	0.87	[0.71 - 1.05]
UNKNOWN CAUSES	5			
OTHER CAUSES	18			

Table 2.10.12
Mortality by cause

TOTAL COHORT

Ever exposed to HG (mercury compounds)

Women

Causes of death (ICD 9th.revision)	Observed	Expected	SMR	95% Confidence intervals
ALL CAUSES	143	168.67	0.85	[0.71 - 1.00]
ALL MALIGNANT NEOPLASMS (140-208)	52	52.85	0.98	[0.73 - 1.29]
Oral cavity & pharynx (140-149)	1	0.5	1.99	[0.05 - 11.1]
Oral cavity (141,143-145)	1	0.23	4.26	[0.11 - 23.7]
Nasopharynx (147)	0	0.05	0.00	[0.00 - 81.2]
Oesophagus (150)	1	0.52	1.91	[0.05 - 10.6]
Stomach (151)	2	3.84	0.52	[0.06 - 1.88]
Colon (153)	6	3.68	1.63	[0.60 - 3.55]
Rectum (154)	0	1.97	0.00	[0.00 - 1.87]
Liver (155)	2	0.97	2.07	[0.25 - 7.48]
Gallbladder (156)	0	1.22	0.00	[0.00 - 3.02]
Pancreas (157)	2	3.02	0.66	[0.08 - 2.40]
Peritoneum and other unspecified organs(158-159)	0	0.28	0.00	[0.00 - 13.4]
Nose & sinuses (160)	0	0.08	0.00	[0.00 - 45.0]
Larynx (161)	0	0.06	0.00	[0.00 - 62.4]
Lung (162)	6	3.92	1.53	[0.56 - 3.33]
Pleura (163)	0	0.11	0.00	[0.00 - 33.9]
Other respiratory organs (164-165)	0	0.09	0.00	[0.00 - 39.9]
Bone (170)	0	0.17	0.00	[0.00 - 22.0]
Soft tissue (171)	1	0.31	3.27	[0.08 - 18.2]
Melanoma (172)	1	0.85	1.17	[0.03 - 6.53]
Other skin (173)	0	0.1	0.00	[0.00 - 37.4]
Breast (174-175)	13	10.53	1.23	[0.66 - 2.11]
Cervix uteri (180)	3	2.3	1.31	[0.27 - 3.82]
Corpus uteri & uterus unspecified (179,181-182)	2	1.58	1.26	[0.15 - 4.57]
Ovary (183)	2	4.61	0.43	[0.05 - 4.57]
Other female genital organs (184)	0	0.39	0.00	[0.00 - 9.45]
Prostate (185)	0	-	-	-
Testis (186)	0	-	-	-
Other male genital organs (187)	0	-	-	-
Bladder (188)	0	0.6	0.00	[0.00 - 6.13]
Kidney (189)	0	1.45	0.00	[0.00 - 2.54]
Eye (190)	0	0.11	0.00	[0.00 - 34.1]
Brain (191-192)	1	1.82	0.55	[0.01 - 3.06]
Thyroid (193)	0	0.33	0.00	[0.00 - 11.3]
Other endocrine glands (194)	0	0.11	0.00	[0.00 - 34.8]
Ill defined (195,199)	2	2.32	0.86	[0.10 - 3.11]
Lymphatic & hematopoietic tissue (200-208)	4	4.62	0.86	[0.24 - 2.21]
Non-Hodgkins lymphoma (200,202)	0	1.42	0.00	[0.00 - 2.60]
Hodgkins disease (201)	1	0.4	2.50	[0.06 - 14.0]
Multiple myeloma (203)	0	0.98	0.00	[0.00 - 3.78]
Leukemia & aleukemia (204-208)	3	1.82	1.65	[0.34 - 4.83]
Lymphoid leukemia (204)	0	0.37	0.00	[0.00 - 9.91]
Myeloid leukemia (205)	1	0.93	1.07	[0.03 - 5.96]
BENIGN NEOPLASMS (210-239)	0	1.12	0.00	[0.00 - 3.29]
DIS. OF ENDOCRINE SYSTEM & BLOOD (240-289)	2	3.59	0.56	[0.07 - 2.01]
MENTAL DISORDERS (290-319)	2	2.07	0.97	[0.12 - 3.49]
DIS. OF NERVOUS SYSTEM (320-389)	0	3.49	0.00	[0.00 - 1.06]
DIS. OF CIRCULATORY SYSTEM (390-459)	54	67.6	0.80	[0.60 - 1.04]
Hypertension (401-405)	1	1.89	0.53	[0.01 - 2.95]
Ischaemic heart disease (410-414)	30	33.37	0.90	[0.61 - 1.28]
Cerebrovascular (430-438)	15	19.63	0.76	[0.43 - 1.26]
Other heart diseases (4150,4152-4299)	4	6.62	0.60	[0.16 - 1.55]
DIS. OF RESPIRATORY SYSTEM (460-519)	10	9.2	1.09	[0.52 - 2.00]
Influenza (487)	1	0.37	2.74	[0.07 - 15.2]
Pneumonia (480-486)	7	5.34	1.31	[0.53 - 2.70]
Bronchitis,emphysema & asthma (490-493)	1	2.49	0.40	[0.01 - 2.24]
Pneumoconioses (500-508)	0	0.03	0.00	[0.00 - 0109]
DIS. OF DIGESTIVE SYSTEM (520-579)	3	5.61	0.53	[0.11 - 1.56]
Liver cirrhosis (571)	1	1.63	0.61	[0.02 - 3.43]
DIS. OF GENITO-URINARY SYSTEM (580-629)	1	2.53	0.40	[0.01 - 2.20]
Nephritis & nephrosis (580-589)	1	1.02	0.98	[0.02 - 5.49]
DIS. OF THE SKIN (680-739)	2	1.81	1.11	[0.13 - 4.00]
SYMPTOMS AND ILL-DEFINED CONDITIONS (780-799)	2	2.65	0.75	[0.09 - 2.72]
EXTERNAL CAUSES (E800-999)	13	12.86	1.01	[0.54 - 1.73]
Traffic accident (E810-819)	2	2.35	0.85	[0.10 - 3.07]
Suicide (E950-959)	3	4.72	0.64	[0.13 - 1.86]
Homicide (E960-969)	1	0.53	1.89	[0.05 - 10.5]
Other external causes (E800-807,E820-949,E970-999)	7	5.27	1.33	[0.53 - 2.74]
UNKNOWN CAUSES	0			
OTHER CAUSES	2			

Table 2.10.13
Mortality by cause

TOTAL COHORT

Ever exposed to HYDR (hydrazine)

Causes of death (ICD 9th.revision)	Observed	Expected	SMR	95% Confidence intervals
ALL CAUSES	490	527.75	0.93	[0.85 - 1.01]
ALL MALIGNANT NEOPLASMS (140-208)	103	114.39	0.90	[0.73 - 1.09]
Oral cavity & pharynx (140-149)	1	2.62	0.38	[0.01 - 2.12]
Oral cavity (141,143-145)	0	0.92	0.00	[0.00 - 4.00]
Nasopharynx (147)	0	0.17	0.00	[0.00 - 21.2]
Oesophagus (150)	0	2.85	0.00	[0.00 - 1.29]
Stomach (151)	14	12.74	1.10	[0.60 - 1.84]
Colon (153)	4	6.08	0.66	[0.18 - 1.68]
Rectum (154)	6	4.6	1.30	[0.48 - 2.84]
Liver (155)	1	2.87	0.35	[0.01 - 1.94]
Gallbladder (156)	0	1.06	0.00	[0.00 - 3.47]
Pancreas (157)	3	6.14	0.49	[0.10 - 1.43]
Peritoneum and other unspecified organs(158-159)	0	0.75	0.00	[0.00 - 4.90]
Nose & sinuses (160)	1	0.39	2.57	[0.06 - 14.3]
Larynx (161)	3	1.71	1.76	[0.36 - 5.14]
Lung (162)	26	31.16	0.83	[0.55 - 1.22]
Pleura (163)	3	0.52	5.76	[1.19 - 16.8]
Other respiratory organs (164-165)	0	0.34	0.00	[0.00 - 10.7]
Bone (170)	0	0.57	0.00	[0.00 - 6.42]
Soft tissue (171)	0	0.47	0.00	[0.00 - 7.77]
Melanoma (172)	3	1.72	1.74	[0.36 - 5.09]
Other skin (173)	1	0.31	3.20	[0.08 - 17.8]
Breast (174-175)	2	1.18	1.70	[0.21 - 6.13]
Cervix uteri (180)	0	0.29	0.00	[0.00 - 12.6]
Corpus uteri & uterus unspecified (179,181-182)	2	0.24	8.45	[1.02 - 30.5]
Ovary (183)	0	0.46	0.00	[0.00 - 8.00]
Other female genital organs (184)	0	0.06	0.00	[0.00 - 63.0]
Prostate (185)	11	8.58	1.28	[0.64 - 2.29]
Testis (186)	1	0.46	2.17	[0.05 - 12.1]
Other male genital organs (187)	0	0.13	0.00	[0.00 - 29.3]
Bladder (188)	2	3.21	0.62	[0.08 - 2.25]
Kidney (189)	3	3.33	0.90	[0.19 - 2.63]
Eye (190)	0	0.18	0.00	[0.00 - 20.6]
Brain (191-192)	0	3.37	0.00	[0.00 - 1.10]
Thyroid (193)	0	0.35	0.00	[0.00 - 10.6]
Other endocrine glands (194)	0	0.19	0.00	[0.00 - 19.8]
Ill defined (195,199)	4	3.82	1.05	[0.29 - 2.68]
Lymphatic & hematopoietic tissue (200-208)	11	9.73	1.13	[0.56 - 2.02]
Non-Hodgkins lymphoma (200,202)	5	2.84	1.76	[0.57 - 4.10]
Hodgkins disease (201)	1	1.06	0.94	[0.02 - 5.25]
Multiple myeloma (203)	3	1.68	1.79	[0.37 - 5.23]
Leukemia & aleukemia (204-208)	2	3.91	0.51	[0.06 - 1.85]
Lymphoid leukemia (204)	0	0.97	0.00	[0.00 - 3.80]
Myeloid leukemia (205)	2	1.57	1.28	[0.15 - 4.61]
BENIGN NEOPLASMS (210-239)	0	2.13	0.00	[0.00 - 1.73]
DIS. OF ENDOCRINE SYSTEM & BLOOD (240-289)	5	7.55	0.66	[0.22 - 1.55]
MENTAL DISORDERS (290-319)	3	6.18	0.49	[0.10 - 1.42]
DIS. OF NERVOUS SYSTEM (320-389)	3	7.12	0.42	[0.09 - 1.23]
DIS. OF CIRCULATORY SYSTEM (390-459)	249	233.41	1.07	[0.94 - 1.21]
Hypertension (401-405)	5	4.94	1.01	[0.33 - 2.36]
Ischaemic heart disease (410-414)	145	147.91	0.98	[0.83 - 1.15]
Cerebrovascular (430-438)	41	42.93	0.96	[0.69 - 1.30]
Other heart diseases (4150,4152-4299)	14	20.39	0.69	[0.38 - 1.15]
DIS. OF RESPIRATORY SYSTEM (460-519)	25	29.99	0.83	[0.54 - 1.23]
Influenza (487)	0	1.07	0.00	[0.00 - 3.44]
Pneumonia (480-486)	8	13.25	0.60	[0.26 - 1.19]
Bronchitis,emphysema & asthma (490-493)	12	11.46	1.05	[0.54 - 1.83]
Pneumoconioses (500-508)	1	0.36	2.80	[0.07 - 15.6]
DIS. OF DIGESTIVE SYSTEM (520-579)	13	19.37	0.67	[0.36 - 1.15]
Liver cirrhosis (571)	5	7.6	0.66	[0.21 - 1.54]
DIS. OF GENITO-URINARY SYSTEM (580-629)	4	6.74	0.59	[0.16 - 1.52]
Nephritis & nephrosis (580-589)	1	3.26	0.31	[0.01 - 1.71]
DIS. OF THE SKIN (680-739)	1	1.7	0.59	[0.01 - 3.28]
SYMPTOMS AND ILL-DEFINED CONDITIONS (780-799)	6	12.36	0.49	[0.18 - 1.06]
EXTERNAL CAUSES (E800-999)	66	77.47	0.85	[0.66 - 1.08]
Traffic accident (E810-819)	9	13.77	0.65	[0.30 - 1.24]
Suicide (E950-959)	12	23.24	0.52	[0.27 - 0.90]
Homicide (E960-969)	0	3.32	0.00	[0.00 - 1.11]
Other external causes (E800-807,E820-949,E970-999)	45	37.13	1.21	[0.88 - 1.62]
UNKNOWN CAUSES	2			
OTHER CAUSES	10			

Table 2.10.13
Mortality by cause

TOTAL COHORT

Ever exposed to HYDR (hydrazine)

Men

Causes of death (ICD 9th.revision)	Observed	Expected	SMR	95% Confidence intervals
ALL CAUSES	459	498.37	0.92	[0.84 - 1.01]
ALL MALIGNANT NEOPLASMS (140-208)	95	107.84	0.88	[0.71 - 1.08]
Oral cavity & pharynx (140-149)	1	2.55	0.39	[0.01 - 2.18]
Oral cavity (141,143-145)	0	0.89	0.00	[0.00 - 4.14]
Nasopharynx (147)	0	0.17	0.00	[0.00 - 21.9]
Oesophagus (150)	0	2.72	0.00	[0.00 - 1.36]
Stomach (151)	13	12.08	1.08	[0.57 - 1.84]
Colon (153)	4	5.69	0.70	[0.19 - 1.80]
Rectum (154)	6	4.35	1.38	[0.51 - 3.00]
Liver (155)	1	2.69	0.37	[0.01 - 2.07]
Gallbladder (156)	0	0.87	0.00	[0.00 - 4.23]
Pancreas (157)	2	5.72	0.35	[0.04 - 1.26]
Peritoneum and other unspecified organs(158-159)	0	0.67	0.00	[0.00 - 5.52]
Nose & sinuses (160)	1	0.38	2.65	[0.07 - 14.8]
Larynx (161)	3	1.7	1.77	[0.36 - 5.16]
Lung (162)	25	30.76	0.81	[0.53 - 1.20]
Pleura (163)	3	0.5	5.95	[1.23 - 17.4]
Other respiratory organs (164-165)	0	0.33	0.00	[0.00 - 11.1]
Bone (170)	0	0.55	0.00	[0.00 - 6.74]
Soft tissue (171)	0	0.44	0.00	[0.00 - 8.33]
Melanoma (172)	3	1.64	1.83	[0.38 - 5.34]
Other skin (173)	1	0.29	3.41	[0.09 - 19.0]
Breast (174-175)	0	0.08	0.00	[0.00 - 46.1]
Cervix uteri (180)	0	-	-	-
Corpus uteri & uterus unspecified (179,181-182)	0	-	-	-
Ovary (183)	0	-	-	-
Other female genital organs (184)	0	-	-	-
Prostate (185)	11	8.58	1.28	[0.64 - 2.29]
Testis (186)	1	0.46	2.17	[0.05 - 12.1]
Other male genital organs (187)	0	0.13	0.00	[0.00 - 29.3]
Bladder (188)	2	3.14	0.64	[0.08 - 2.30]
Kidney (189)	3	3.17	0.95	[0.20 - 2.77]
Eye (190)	0	0.17	0.00	[0.00 - 22.2]
Brain (191-192)	0	3.19	0.00	[0.00 - 1.16]
Thyroid (193)	0	0.29	0.00	[0.00 - 12.6]
Other endocrine glands (194)	0	0.18	0.00	[0.00 - 21.0]
Ill defined (195,199)	4	3.62	1.11	[0.30 - 2.83]
Lymphatic & hematopoietic tissue (200-208)	10	9.12	1.10	[0.53 - 2.02]
Non-Hodgkins lymphoma (200,202)	5	2.66	1.88	[0.61 - 4.38]
Hodgkins disease (201)	0	1.01	0.00	[0.00 - 3.65]
Multiple myeloma (203)	3	1.55	1.93	[0.40 - 5.64]
Leukemia & aleukemia (204-208)	2	3.68	0.54	[0.07 - 1.96]
Lymphoid leukemia (204)	0	0.92	0.00	[0.00 - 4.03]
Myeloid leukemia (205)	2	1.47	1.36	[0.16 - 4.92]
BENIGN NEOPLASMS (210-239)	0	1.97	0.00	[0.00 - 1.87]
DIS. OF ENDOCRINE SYSTEM & BLOOD (240-289)	5	6.92	0.72	[0.23 - 1.69]
MENTAL DISORDERS (290-319)	3	5.3	0.57	[0.12 - 1.65]
DIS. OF NERVOUS SYSTEM (320-389)	3	6.61	0.45	[0.09 - 1.33]
DIS. OF CIRCULATORY SYSTEM (390-459)	235	218.7	1.07	[0.94 - 1.22]
Hypertension (401-405)	5	4.43	1.13	[0.37 - 2.63]
Ischaemic heart disease (410-414)	136	140.81	0.97	[0.81 - 1.14]
Cerebrovascular (430-438)	38	38.7	0.98	[0.69 - 1.35]
Other heart diseases (4150,4152-4299)	13	18.76	0.69	[0.37 - 1.18]
DIS. OF RESPIRATORY SYSTEM (460-519)	24	28.26	0.85	[0.54 - 1.26]
Influenza (487)	0	0.97	0.00	[0.00 - 3.80]
Pneumonia (480-486)	7	12.05	0.58	[0.23 - 1.20]
Bronchitis,emphysema & asthma (490-493)	12	11.19	1.07	[0.55 - 1.87]
Pneumoconioses (500-508)	1	0.35	2.85	[0.07 - 15.9]
DIS. OF DIGESTIVE SYSTEM (520-579)	13	18.39	0.71	[0.38 - 1.21]
Liver cirrhosis (571)	5	7.44	0.67	[0.22 - 1.57]
DIS. OF GENITO-URINARY SYSTEM (580-629)	2	6.15	0.33	[0.04 - 1.18]
Nephritis & nephrosis (580-589)	1	3.05	0.33	[0.01 - 1.82]
DIS. OF THE SKIN (680-739)	1	1.42	0.70	[0.02 - 3.91]
SYMPTOMS AND ILL-DEFINED CONDITIONS (780-799)	6	12.19	0.49	[0.18 - 1.07]
EXTERNAL CAUSES (E800-999)	61	75.8	0.80	[0.62 - 1.03]
Traffic accident (E810-819)	8	13.48	0.59	[0.26 - 1.17]
Suicide (E950-959)	12	22.77	0.53	[0.27 - 0.92]
Homicide (E960-969)	0	3.26	0.00	[0.00 - 1.13]
Other external causes (E800-807,E820-949,E970-999)	41	36.29	1.13	[0.81 - 1.53]
UNKNOWN CAUSES	2			
OTHER CAUSES	9			

Table 2.10.13
Mortality by cause

TOTAL COHORT

Ever exposed to HYDR (hydrazine)

Women

Causes of death (ICD 9th.revision)	Observed	Expected	SMR	95% Confidence intervals
ALL CAUSES	31	29.38	1.06	[0.72 - 1.50]
ALL MALIGNANT NEOPLASMS (140-208)	8	6.55	1.22	[0.53 - 2.41]
Oral cavity & pharynx (140-149)	0	0.07	0.00	[0.00 - 53.0]
Oral cavity (141,143-145)	0	0.03	0.00	[0.00 - 0117]
Nasopharynx (147)	0	0.01	0.00	[0.00 - 0658]
Oesophagus (150)	0	0.13	0.00	[0.00 - 27.9]
Stomach (151)	1	0.66	1.51	[0.04 - 8.43]
Colon (153)	0	0.39	0.00	[0.00 - 9.49]
Rectum (154)	0	0.25	0.00	[0.00 - 14.5]
Liver (155)	0	0.18	0.00	[0.00 - 20.9]
Gallbladder (156)	0	0.19	0.00	[0.00 - 19.4]
Pancreas (157)	1	0.42	2.38	[0.06 - 13.3]
Peritoneum and other unspecified organs(158-159)	0	0.08	0.00	[0.00 - 44.1]
Nose & sinuses (160)	0	0.01	0.00	[0.00 - 0306]
Larynx (161)	0	0.01	0.00	[0.00 - 0414]
Lung (162)	1	0.4	2.49	[0.06 - 13.9]
Pleura (163)	0	0.02	0.00	[0.00 - 0226]
Other respiratory organs (164-165)	0	0.01	0.00	[0.00 - 0343]
Bone (170)	0	0.03	0.00	[0.00 - 0138]
Soft tissue (171)	0	0.03	0.00	[0.00 - 0117]
Melanoma (172)	0	0.08	0.00	[0.00 - 45.1]
Other skin (173)	0	0.02	0.00	[0.00 - 0191]
Breast (174-175)	2	1.1	1.82	[0.22 - 6.58]
Cervix uteri (180)	0	0.29	0.00	[0.00 - 12.6]
Corpus uteri & uterus unspecified (179,181-182)	2	0.24	8.45	[1.02 - 30.5]
Ovary (183)	0	0.46	0.00	[0.00 - 8.00]
Other female genital organs (184)	0	0.06	0.00	[0.00 - 63.0]
Prostate (185)	0	-	-	-
Testis (186)	0	-	-	-
Other male genital organs (187)	0	-	-	-
Bladder (188)	0	0.07	0.00	[0.00 - 51.1]
Kidney (189)	0	0.17	0.00	[0.00 - 21.8]
Eye (190)	0	0.01	0.00	[0.00 - 0276]
Brain (191-192)	0	0.18	0.00	[0.00 - 20.8]
Thyroid (193)	0	0.05	0.00	[0.00 - 69.2]
Other endocrine glands (194)	0	0.01	0.00	[0.00 - 0336]
Ill defined (195,199)	0	0.2	0.00	[0.00 - 18.7]
Lymphatic & hematopoietic tissue (200-208)	1	0.6	1.67	[0.04 - 9.28]
Non-Hodgkins lymphoma (200,202)	0	0.18	0.00	[0.00 - 20.4]
Hodgkins disease (201)	1	0.05	20.00	[0.50 - 0111]
Multiple myeloma (203)	0	0.12	0.00	[0.00 - 30.0]
Leukemia & aleukemia (204-208)	0	0.24	0.00	[0.00 - 15.7]
Lymphoid leukemia (204)	0	0.05	0.00	[0.00 - 67.5]
Myeloid leukemia (205)	0	0.1	0.00	[0.00 - 36.9]
BENIGN NEOPLASMS (210-239)	0	0.16	0.00	[0.00 - 23.1]
DIS. OF ENDOCRINE SYSTEM & BLOOD (240-289)	0	0.63	0.00	[0.00 - 5.87]
MENTAL DISORDERS (290-319)	0	0.88	0.00	[0.00 - 4.19]
DIS. OF NERVOUS SYSTEM (320-389)	0	0.51	0.00	[0.00 - 7.26]
DIS. OF CIRCULATORY SYSTEM (390-459)	14	14.7	0.95	[0.52 - 1.60]
Hypertension (401-405)	0	0.51	0.00	[0.00 - 7.20]
Ischaemic heart disease (410-414)	9	7.1	1.27	[0.58 - 2.41]
Cerebrovascular (430-438)	3	4.22	0.71	[0.15 - 2.08]
Other heart diseases (4150,4152-4299)	1	1.62	0.62	[0.02 - 3.43]
DIS. OF RESPIRATORY SYSTEM (460-519)	1	1.72	0.58	[0.01 - 3.23]
Influenza (487)	0	0.1	0.00	[0.00 - 36.1]
Pneumonia (480-486)	1	1.2	0.83	[0.02 - 4.64]
Bronchitis,emphysema & asthma (490-493)	0	0.28	0.00	[0.00 - 13.3]
Pneumoconioses (500-508)	0	0.01	0.00	[0.00 - 0530]
DIS. OF DIGESTIVE SYSTEM (520-579)	0	0.98	0.00	[0.00 - 3.77]
Liver cirrhosis (571)	0	0.16	0.00	[0.00 - 23.1]
DIS. OF GENITO-URINARY SYSTEM (580-629)	2	0.59	3.38	[0.41 - 12.2]
Nephritis & nephrosis (580-589)	0	0.21	0.00	[0.00 - 17.9]
DIS. OF THE SKIN (680-739)	0	0.27	0.00	[0.00 - 13.5]
SYMPTOMS AND ILL-DEFINED CONDITIONS (780-799)	0	0.17	0.00	[0.00 - 21.4]
EXTERNAL CAUSES (E800-999)	5	1.67	3.00	[0.97 - 7.00]
Traffic accident (E810-819)	1	0.29	3.47	[0.09 - 19.3]
Suicide (E950-959)	0	0.47	0.00	[0.00 - 7.84]
Homicide (E960-969)	0	0.06	0.00	[0.00 - 58.2]
Other external causes (E800-807,E820-949,E970-999)	4	0.84	4.74	[1.29 - 12.1]
UNKNOWN CAUSES	0			
OTHER CAUSES	1			

Table 2.10.14
Mortality by cause

TOTAL COHORT

Ever exposed to LTX (latexes)

Causes of death (ICD 9th.revision)	Observed	Expected	SMR	95% Confidence intervals
ALL CAUSES	3510	4105.68	0.85	[0.83 - 0.88]
ALL MALIGNANT NEOPLASMS (140-208)	910	986.41	0.92	[0.86 - 0.98]
Oral cavity & pharynx (140-149)	23	30.29	0.76	[0.48 - 1.14]
Oral cavity (141,143-145)	10	11.69	0.86	[0.41 - 1.57]
Nasopharynx (147)	0	1.63	0.00	[0.00 - 2.27]
Oesophagus (150)	16	29.7	0.54	[0.31 - 0.87]
Stomach (151)	82	98.26	0.83	[0.66 - 1.04]
Colon (153)	55	57.97	0.95	[0.71 - 1.23]
Rectum (154)	30	39.75	0.75	[0.51 - 1.08]
Liver (155)	15	24.41	0.61	[0.34 - 1.01]
Gallbladder (156)	3	9.36	0.32	[0.07 - 0.94]
Pancreas (157)	48	50.12	0.96	[0.71 - 1.27]
Peritoneum and other unspecified organs(158-159)	3	7.6	0.39	[0.08 - 1.15]
Nose & sinuses (160)	5	5.32	0.94	[0.30 - 2.19]
Larynx (161)	16	18.31	0.87	[0.50 - 1.42]
Lung (162)	243	232.51	1.05	[0.92 - 1.19]
Pleura (163)	8	4.65	1.72	[0.74 - 3.39]
Other respiratory organs (164-165)	5	3.02	1.66	[0.54 - 3.87]
Bone (170)	2	4.94	0.40	[0.05 - 1.46]
Soft tissue (171)	3	4.42	0.68	[0.14 - 1.98]
Melanoma (172)	16	15.16	1.06	[0.60 - 1.71]
Other skin (173)	1	2.59	0.39	[0.01 - 2.16]
Breast (174-175)	26	23.78	1.09	[0.71 - 1.60]
Cervix uteri (180)	5	5.37	0.93	[0.30 - 2.17]
Corpus uteri & uterus unspecified (179,181-182)	5	4.37	1.15	[0.37 - 2.67]
Ovary (183)	12	9.43	1.27	[0.66 - 2.22]
Other female genital organs (184)	2	1.03	1.94	[0.24 - 7.02]
Prostate (185)	59	69.53	0.85	[0.65 - 1.09]
Testis (186)	6	4.78	1.26	[0.46 - 2.73]
Other male genital organs (187)	1	1.04	0.96	[0.02 - 5.38]
Bladder (188)	36	28.33	1.27	[0.89 - 1.76]
Kidney (189)	25	27.47	0.91	[0.59 - 1.34]
Eye (190)	1	1.54	0.65	[0.02 - 3.63]
Brain (191-192)	25	29.09	0.86	[0.56 - 1.27]
Thyroid (193)	1	3.18	0.31	[0.01 - 1.75]
Other endocrine glands (194)	2	1.6	1.25	[0.15 - 4.52]
Ill defined (195,199)	45	44.83	1.00	[0.73 - 1.34]
Lymphatic & hematopoietic tissue (200-208)	69	81.94	0.84	[0.66 - 1.07]
Non-Hodgkins lymphoma (200,202)	21	24.57	0.85	[0.53 - 1.31]
Hodgkins disease (201)	8	8.55	0.94	[0.40 - 1.84]
Multiple myeloma (203)	14	14.92	0.94	[0.51 - 1.57]
Leukemia & aleukemia (204-208)	26	33.33	0.78	[0.51 - 1.14]
Lymphoid leukemia (204)	5	8.22	0.61	[0.20 - 1.42]
Myeloid leukemia (205)	9	14.35	0.63	[0.29 - 1.19]
BENIGN NEOPLASMS (210-239)	18	20.26	0.89	[0.53 - 1.40]
DIS. OF ENDOCRINE SYSTEM & BLOOD (240-289)	39	66.95	0.58	[0.41 - 0.80]
MENTAL DISORDERS (290-319)	29	54.39	0.53	[0.36 - 0.77]
DIS. OF NERVOUS SYSTEM (320-389)	51	60.62	0.84	[0.63 - 1.11]
DIS. OF CIRCULATORY SYSTEM (390-459)	1527	1720.34	0.89	[0.84 - 0.93]
Hypertension (401-405)	30	39.03	0.77	[0.52 - 1.10]
Ischaemic heart disease (410-414)	915	1047.5	0.87	[0.82 - 0.93]
Cerebrovascular (430-438)	244	339.62	0.72	[0.63 - 0.81]
Other heart diseases (4150,4152-4299)	121	164.97	0.73	[0.61 - 0.88]
DIS. OF RESPIRATORY SYSTEM (460-519)	163	237.48	0.69	[0.59 - 0.80]
Influenza (487)	2	8.95	0.22	[0.03 - 0.81]
Pneumonia (480-486)	67	102.43	0.65	[0.51 - 0.83]
Bronchitis,emphysema & asthma (490-493)	62	83.24	0.74	[0.57 - 0.95]
Pneumoconioses (500-508)	2	4.26	0.47	[0.06 - 1.70]
DIS. OF DIGESTIVE SYSTEM (520-579)	142	167.93	0.85	[0.71 - 1.00]
Liver cirrhosis (571)	65	75.97	0.86	[0.66 - 1.09]
DIS. OF GENITO-URINARY SYSTEM (580-629)	32	51.61	0.62	[0.42 - 0.88]
Nephritis & nephrosis (580-589)	7	24.55	0.29	[0.11 - 0.59]
DIS. OF THE SKIN (680-739)	9	15.34	0.59	[0.27 - 1.11]
SYMPTOMS AND ILL-DEFINED CONDITIONS (780-799)	87	118.26	0.74	[0.59 - 0.91]
EXTERNAL CAUSES (E800-999)	412	538.19	0.77	[0.69 - 0.84]
Traffic accident (E810-819)	56	106.46	0.53	[0.40 - 0.68]
Suicide (E950-959)	101	166.85	0.61	[0.49 - 0.74]
Homicide (E960-969)	14	16.49	0.85	[0.46 - 1.42]
Other external causes (E800-807,E820-949,E970-999)	241	248.41	0.97	[0.85 - 1.10]
UNKNOWN CAUSES	37			
OTHER CAUSES	54			

Table 2.10.14
Mortality by cause

TOTAL COHORT
Ever exposed to LTX (latexes)
Men

Causes of death (ICD 9th.revision)	Observed	Expected	SMR	95% Confidence intervals
ALL CAUSES	3118	3642.59	0.86	[0.83 - 0.89]
ALL MALIGNANT NEOPLASMS (140-208)	787	863.24	0.91	[0.85 - 0.98]
Oral cavity & pharynx (140-149)	22	29.01	0.76	[0.48 - 1.15]
Oral cavity (141,143-145)	9	11.1	0.81	[0.37 - 1.54]
Nasopharynx (147)	0	1.53	0.00	[0.00 - 2.42]
Oesophagus (150)	13	27.75	0.47	[0.25 - 0.80]
Stomach (151)	72	87.19	0.83	[0.65 - 1.04]
Colon (153)	46	49.7	0.93	[0.68 - 1.23]
Rectum (154)	27	35.03	0.77	[0.51 - 1.12]
Liver (155)	12	21.88	0.55	[0.28 - 0.96]
Gallbladder (156)	3	6.61	0.45	[0.09 - 1.33]
Pancreas (157)	42	43.26	0.97	[0.70 - 1.31]
Peritoneum and other unspecified organs(158-159)	3	6.33	0.47	[0.10 - 1.39]
Nose & sinuses (160)	5	5.09	0.98	[0.32 - 2.29]
Larynx (161)	16	18.12	0.88	[0.50 - 1.43]
Lung (162)	233	224.2	1.04	[0.91 - 1.18]
Pleura (163)	6	4.37	1.37	[0.50 - 2.99]
Other respiratory organs (164-165)	5	2.82	1.77	[0.58 - 4.13]
Bone (170)	2	4.45	0.45	[0.05 - 1.63]
Soft tissue (171)	1	3.78	0.26	[0.01 - 1.47]
Melanoma (172)	14	13.39	1.05	[0.57 - 1.75]
Other skin (173)	1	2.28	0.44	[0.01 - 2.44]
Breast (174-175)	0	0.83	0.00	[0.00 - 4.42]
Cervix uteri (180)	0	-	-	-
Corpus uteri & uterus unspecified (179,181-182)	0	-	-	-
Ovary (183)	0	-	-	-
Other female genital organs (184)	0	-	-	-
Prostate (185)	59	69.53	0.85	[0.65 - 1.09]
Testis (186)	6	4.78	1.26	[0.46 - 2.73]
Other male genital organs (187)	1	1.04	0.96	[0.02 - 5.38]
Bladder (188)	35	26.92	1.30	[0.91 - 1.81]
Kidney (189)	21	24.52	0.86	[0.53 - 1.31]
Eye (190)	1	1.29	0.78	[0.02 - 4.32]
Brain (191-192)	24	25.45	0.94	[0.60 - 1.40]
Thyroid (193)	1	2.33	0.43	[0.01 - 2.40]
Other endocrine glands (194)	2	1.37	1.46	[0.18 - 5.26]
Ill defined (195,199)	40	39.58	1.01	[0.72 - 1.38]
Lymphatic & hematopoietic tissue (200-208)	62	71.21	0.87	[0.67 - 1.12]
Non-Hodgkins lymphoma (200,202)	20	21.37	0.94	[0.57 - 1.45]
Hodgkins disease (201)	7	7.63	0.92	[0.37 - 1.89]
Multiple myeloma (203)	12	12.74	0.94	[0.49 - 1.65]
Leukemia & aleukemia (204-208)	23	29.01	0.79	[0.50 - 1.19]
Lymphoid leukemia (204)	5	7.32	0.68	[0.22 - 1.59]
Myeloid leukemia (205)	8	12.36	0.65	[0.28 - 1.28]
BENIGN NEOPLASMS (210-239)	17	17.4	0.98	[0.57 - 1.56]
DIS. OF ENDOCRINE SYSTEM & BLOOD (240-289)	31	56.26	0.55	[0.37 - 0.78]
MENTAL DISORDERS (290-319)	28	45.52	0.62	[0.41 - 0.89]
DIS. OF NERVOUS SYSTEM (320-389)	43	51.9	0.83	[0.60 - 1.12]
DIS. OF CIRCULATORY SYSTEM (390-459)	1360	1513.13	0.90	[0.85 - 0.95]
Hypertension (401-405)	25	31.32	0.80	[0.52 - 1.18]
Ischaemic heart disease (410-414)	836	951.06	0.88	[0.82 - 0.94]
Cerebrovascular (430-438)	207	278.56	0.74	[0.65 - 0.85]
Other heart diseases (4150,4152-4299)	99	141.27	0.70	[0.57 - 0.85]
DIS. OF RESPIRATORY SYSTEM (460-519)	142	211.51	0.67	[0.57 - 0.79]
Influenza (487)	1	7.38	0.14	[0.00 - 0.76]
Pneumonia (480-486)	53	86.54	0.61	[0.46 - 0.80]
Bronchitis,emphysema & asthma (490-493)	59	77.95	0.76	[0.58 - 0.98]
Pneumoconioses (500-508)	2	4.15	0.48	[0.06 - 1.74]
DIS. OF DIGESTIVE SYSTEM (520-579)	129	151.19	0.85	[0.71 - 1.01]
Liver cirrhosis (571)	62	71.46	0.87	[0.67 - 1.11]
DIS. OF GENITO-URINARY SYSTEM (580-629)	26	43.22	0.60	[0.39 - 0.88]
Nephritis & nephrosis (580-589)	5	21.25	0.24	[0.08 - 0.55]
DIS. OF THE SKIN (680-739)	7	10.94	0.64	[0.26 - 1.32]
SYMPTOMS AND ILL-DEFINED CONDITIONS (780-799)	83	111.94	0.74	[0.59 - 0.92]
EXTERNAL CAUSES (E800-999)	377	507.48	0.74	[0.67 - 0.82]
Traffic accident (E810-819)	51	100.66	0.51	[0.38 - 0.67]
Suicide (E950-959)	98	156.83	0.62	[0.51 - 0.76]
Homicide (E960-969)	13	15.3	0.85	[0.45 - 1.45]
Other external causes (E800-807,E820-949,E970-999)	215	234.7	0.92	[0.80 - 1.05]
UNKNOWN CAUSES	37			
OTHER CAUSES	51			

Table 2.10.14
Mortality by cause

TOTAL COHORT

Ever exposed to LTX (latexes)

Women

Causes of death (ICD 9th.revision)	Observed	Expected	SMR	95% Confidence intervals
ALL CAUSES	392	463.09	0.85	[0.76 - 0.93]
ALL MALIGNANT NEOPLASMS (140-208)	123	123.17	1.00	[0.83 - 1.19]
Oral cavity & pharynx (140-149)	1	1.28	0.78	[0.02 - 4.35]
Oral cavity (141,143-145)	1	0.59	1.69	[0.04 - 9.39]
Nasopharynx (147)	0	0.1	0.00	[0.00 - 36.6]
Oesophagus (150)	3	1.95	1.54	[0.32 - 4.50]
Stomach (151)	10	11.06	0.90	[0.43 - 1.66]
Colon (153)	9	8.27	1.09	[0.50 - 2.07]
Rectum (154)	3	4.72	0.64	[0.13 - 1.86]
Liver (155)	3	2.53	1.19	[0.25 - 3.47]
Gallbladder (156)	0	2.75	0.00	[0.00 - 1.34]
Pancreas (157)	6	6.86	0.87	[0.32 - 1.90]
Peritoneum and other unspecified organs(158-159)	0	1.27	0.00	[0.00 - 2.90]
Nose & sinuses (160)	0	0.23	0.00	[0.00 - 15.8]
Larynx (161)	0	0.19	0.00	[0.00 - 19.5]
Lung (162)	10	8.3	1.20	[0.58 - 2.21]
Pleura (163)	2	0.27	7.30	[0.88 - 26.4]
Other respiratory organs (164-165)	0	0.19	0.00	[0.00 - 18.9]
Bone (170)	0	0.49	0.00	[0.00 - 7.46]
Soft tissue (171)	2	0.64	3.14	[0.38 - 11.3]
Melanoma (172)	2	1.77	1.13	[0.14 - 4.07]
Other skin (173)	0	0.3	0.00	[0.00 - 12.2]
Breast (174-175)	26	22.95	1.13	[0.74 - 1.66]
Cervix uteri (180)	5	5.37	0.93	[0.30 - 2.17]
Corpus uteri & uterus unspecified (179,181-182)	5	4.37	1.15	[0.37 - 2.67]
Ovary (183)	12	9.43	1.27	[0.66 - 2.22]
Other female genital organs (184)	2	1.03	1.94	[0.24 - 7.02]
Prostate (185)	0	-	-	-
Testis (186)	0	-	-	-
Other male genital organs (187)	0	-	-	-
Bladder (188)	1	1.4	0.71	[0.02 - 3.97]
Kidney (189)	4	2.96	1.35	[0.37 - 3.47]
Eye (190)	0	0.25	0.00	[0.00 - 15.0]
Brain (191-192)	1	3.64	0.27	[0.01 - 1.53]
Thyroid (193)	0	0.85	0.00	[0.00 - 4.33]
Other endocrine glands (194)	0	0.22	0.00	[0.00 - 16.4]
Ill defined (195,199)	5	5.25	0.95	[0.31 - 2.22]
Lymphatic & hematopoietic tissue (200-208)	7	10.72	0.65	[0.26 - 1.34]
Non-Hodgkins lymphoma (200,202)	1	3.2	0.31	[0.01 - 1.74]
Hodgkins disease (201)	1	0.92	1.09	[0.03 - 6.06]
Multiple myeloma (203)	2	2.18	0.92	[0.11 - 3.31]
Leukemia & aleukemia (204-208)	3	4.32	0.69	[0.14 - 2.03]
Lymphoid leukemia (204)	0	0.9	0.00	[0.00 - 4.12]
Myeloid leukemia (205)	1	1.99	0.50	[0.01 - 2.80]
BENIGN NEOPLASMS (210-239)	1	2.85	0.35	[0.01 - 1.95]
DIS. OF ENDOCRINE SYSTEM & BLOOD (240-289)	8	10.69	0.75	[0.32 - 1.47]
MENTAL DISORDERS (290-319)	1	8.87	0.11	[0.00 - 0.63]
DIS. OF NERVOUS SYSTEM (320-389)	8	8.72	0.92	[0.40 - 1.81]
DIS. OF CIRCULATORY SYSTEM (390-459)	167	207.21	0.81	[0.69 - 0.94]
Hypertension (401-405)	5	7.71	0.65	[0.21 - 1.51]
Ischaemic heart disease (410-414)	79	96.44	0.82	[0.65 - 1.02]
Cerebrovascular (430-438)	37	61.06	0.61	[0.43 - 0.84]
Other heart diseases (4150,4152-4299)	22	23.71	0.93	[0.58 - 1.40]
DIS. OF RESPIRATORY SYSTEM (460-519)	21	25.97	0.81	[0.50 - 1.24]
Influenza (487)	1	1.58	0.63	[0.02 - 3.53]
Pneumonia (480-486)	14	15.9	0.88	[0.48 - 1.48]
Bronchitis,emphysema & asthma (490-493)	3	5.29	0.57	[0.12 - 1.66]
Pneumoconioses (500-508)	0	0.11	0.00	[0.00 - 33.2]
DIS. OF DIGESTIVE SYSTEM (520-579)	13	16.74	0.78	[0.41 - 1.33]
Liver cirrhosis (571)	3	4.51	0.67	[0.14 - 1.95]
DIS. OF GENITO-URINARY SYSTEM (580-629)	6	8.39	0.72	[0.26 - 1.56]
Nephritis & nephrosis (580-589)	2	3.3	0.61	[0.07 - 2.19]
DIS. OF THE SKIN (680-739)	2	4.4	0.45	[0.05 - 1.64]
SYMPTOMS AND ILL-DEFINED CONDITIONS (780-799)	4	6.31	0.63	[0.17 - 1.62]
EXTERNAL CAUSES (E800-999)	35	30.71	1.14	[0.79 - 1.59]
Traffic accident (E810-819)	5	5.8	0.86	[0.28 - 2.01]
Suicide (E950-959)	3	10.02	0.30	[0.06 - 0.88]
Homicide (E960-969)	1	1.18	0.84	[0.02 - 4.70]
Other external causes (E800-807,E820-949,E970-999)	26	13.71	1.90	[1.24 - 2.78]
UNKNOWN CAUSES	0			
OTHER CAUSES	3			

Table 2.10.15
Mortality by cause

TOTAL COHORT

Ever exposed to OILD (oils and synthetic fluids, dermal)

Causes of death (ICD 9th.revision)	Observed	Expected	SMR	95% Confidence intervals
ALL CAUSES	10988	12060.5	0.91	[0.89 - 0.93]
ALL MALIGNANT NEOPLASMS (140-208)	2702	2871.94	0.94	[0.91 - 0.98]
Oral cavity & pharynx (140-149)	49	68.04	0.72	[0.53 - 0.95]
Oral cavity (141,143-145)	22	27.4	0.80	[0.50 - 1.22]
Nasopharynx (147)	2	4.7	0.43	[0.05 - 1.54]
Oesophagus (150)	56	73.7	0.76	[0.57 - 0.99]
Stomach (151)	248	278.66	0.89	[0.78 - 1.01]
Colon (153)	185	193.99	0.95	[0.82 - 1.10]
Rectum (154)	110	126.92	0.87	[0.71 - 1.04]
Liver (155)	41	54.11	0.76	[0.54 - 1.03]
Gallbladder (156)	19	24.53	0.77	[0.47 - 1.21]
Pancreas (157)	150	147.73	1.02	[0.86 - 1.19]
Peritoneum and other unspecified organs(158-159)	11	14.75	0.75	[0.37 - 1.33]
Nose & sinuses (160)	9	9.86	0.91	[0.42 - 1.73]
Larynx (161)	36	36.81	0.98	[0.69 - 1.35]
Lung (162)	701	680.85	1.03	[0.95 - 1.11]
Pleura (163)	23	11.77	1.95	[1.24 - 2.93]
Other respiratory organs (164-165)	11	6.83	1.61	[0.80 - 2.88]
Bone (170)	2	11.79	0.17	[0.02 - 0.61]
Soft tissue (171)	14	12.38	1.13	[0.62 - 1.90]
Melanoma (172)	43	45.22	0.95	[0.69 - 1.28]
Other skin (173)	6	8.27	0.73	[0.27 - 1.58]
Breast (174-175)	62	67.57	0.92	[0.70 - 1.18]
Cervix uteri (180)	16	16.81	0.95	[0.54 - 1.55]
Corpus uteri & uterus unspecified (179,181-182)	6	11.39	0.53	[0.19 - 1.15]
Ovary (183)	27	25.86	1.04	[0.69 - 1.52]
Other female genital organs (184)	3	2.57	1.17	[0.24 - 3.41]
Prostate (185)	200	244.66	0.82	[0.71 - 0.94]
Testis (186)	10	13.47	0.74	[0.36 - 1.37]
Other male genital organs (187)	9	3.26	2.76	[1.26 - 5.24]
Bladder (188)	95	93.34	1.02	[0.82 - 1.24]
Kidney (189)	67	81.21	0.83	[0.64 - 1.05]
Eye (190)	4	4.4	0.91	[0.25 - 2.33]
Brain (191-192)	81	82.31	0.98	[0.78 - 1.22]
Thyroid (193)	5	8.64	0.58	[0.19 - 1.35]
Other endocrine glands (194)	3	4.03	0.74	[0.15 - 2.18]
Ill defined (195,199)	138	134.57	1.03	[0.86 - 1.21]
Lymphatic & hematopoietic tissue (200-208)	223	238.33	0.94	[0.82 - 1.07]
Non-Hodgkins lymphoma (200,202)	69	70.26	0.98	[0.76 - 1.24]
Hodgkins disease (201)	23	22.8	1.01	[0.64 - 1.51]
Multiple myeloma (203)	41	47.14	0.87	[0.62 - 1.18]
Leukemia & aleukemia (204-208)	90	95.64	0.94	[0.76 - 1.16]
Lymphoid leukemia (204)	18	24.02	0.75	[0.44 - 1.18]
Myeloid leukemia (205)	42	40.32	1.04	[0.75 - 1.41]
BENIGN NEOPLASMS (210-239)	44	53.46	0.82	[0.60 - 1.10]
DIS. OF ENDOCRINE SYSTEM & BLOOD (240-289)	140	200.56	0.70	[0.59 - 0.82]
MENTAL DISORDERS (290-319)	89	134.47	0.66	[0.53 - 0.81]
DIS. OF NERVOUS SYSTEM (320-389)	138	169.47	0.81	[0.68 - 0.96]
DIS. OF CIRCULATORY SYSTEM (390-459)	5141	5404.55	0.95	[0.93 - 0.98]
Hypertension (401-405)	91	123.23	0.74	[0.59 - 0.91]
Ischaemic heart disease (410-414)	3282	3371.36	0.97	[0.94 - 1.01]
Cerebrovascular (430-438)	938	1047.62	0.90	[0.84 - 0.95]
Other heart diseases (4150,4152-4299)	346	455.41	0.76	[0.68 - 0.84]
DIS. OF RESPIRATORY SYSTEM (460-519)	633	797.94	0.79	[0.73 - 0.86]
Influenza (487)	16	24.36	0.66	[0.38 - 1.07]
Pneumonia (480-486)	258	356.52	0.72	[0.64 - 0.82]
Bronchitis,emphysema & asthma (490-493)	255	275.4	0.93	[0.82 - 1.05]
Pneumoconioses (500-508)	4	10.99	0.36	[0.10 - 0.93]
DIS. OF DIGESTIVE SYSTEM (520-579)	344	427.44	0.80	[0.72 - 0.89]
Liver cirrhosis (571)	134	161.53	0.83	[0.70 - 0.98]
DIS. OF GENITO-URINARY SYSTEM (580-629)	134	162.96	0.82	[0.69 - 0.97]
Nephritis & nephrosis (580-589)	52	70.78	0.73	[0.55 - 0.96]
DIS. OF THE SKIN (680-739)	30	42.65	0.70	[0.47 - 1.00]
SYMPTOMS AND ILL-DEFINED CONDITIONS (780-799)	267	365.25	0.73	[0.65 - 0.82]
EXTERNAL CAUSES (E800-999)	1049	1267.14	0.83	[0.78 - 0.88]
Traffic accident (E810-819)	185	254.65	0.73	[0.63 - 0.84]
Suicide (E950-959)	280	379.09	0.74	[0.65 - 0.83]
Homicide (E960-969)	23	37.54	0.61	[0.39 - 0.92]
Other external causes (E800-807,E820-949,E970-999)	561	595.88	0.94	[0.87 - 1.02]
UNKNOWN CAUSES	69			
OTHER CAUSES	208			

Table 2.10.15
Mortality by cause

TOTAL COHORT

Ever exposed to OILD (oils and synthetic fluids, dermal)

Men

Causes of death (ICD 9th.revision)	Observed	Expected	SMR	95% Confidence intervals
ALL CAUSES	9904	10870.3	0.91	[0.89 - 0.93]
ALL MALIGNANT NEOPLASMS (140-208)	2371	2533	0.94	[0.90 - 0.97]
Oral cavity & pharynx (140-149)	48	64.69	0.74	[0.55 - 0.98]
Oral cavity (141,143-145)	21	25.84	0.81	[0.50 - 1.24]
Nasopharynx (147)	2	4.42	0.45	[0.05 - 1.64]
Oesophagus (150)	52	69.18	0.75	[0.56 - 0.99]
Stomach (151)	220	253.57	0.87	[0.76 - 0.99]
Colon (153)	167	168	0.99	[0.85 - 1.16]
Rectum (154)	97	113.73	0.85	[0.69 - 1.04]
Liver (155)	35	47.96	0.73	[0.51 - 1.01]
Gallbladder (156)	16	18.64	0.86	[0.49 - 1.39]
Pancreas (157)	132	130.98	1.01	[0.84 - 1.20]
Peritoneum and other unspecified organs(158-159)	9	12.05	0.75	[0.34 - 1.42]
Nose & sinuses (160)	9	9.34	0.96	[0.44 - 1.83]
Larynx (161)	35	36.16	0.97	[0.67 - 1.35]
Lung (162)	660	649.82	1.02	[0.94 - 1.10]
Pleura (163)	20	11.2	1.79	[1.09 - 2.76]
Other respiratory organs (164-165)	11	6.34	1.74	[0.87 - 3.11]
Bone (170)	2	10.54	0.19	[0.02 - 0.69]
Soft tissue (171)	11	10.88	1.01	[0.50 - 1.81]
Melanoma (172)	40	40.42	0.99	[0.71 - 1.35]
Other skin (173)	5	7.46	0.67	[0.22 - 1.56]
Breast (174-175)	0	2.4	0.00	[0.00 - 1.54]
Cervix uteri (180)	0	-	-	-
Corpus uteri & uterus unspecified (179,181-182)	0	-	-	-
Ovary (183)	0	-	-	-
Other female genital organs (184)	0	-	-	-
Prostate (185)	200	244.66	0.82	[0.71 - 0.94]
Testis (186)	10	13.47	0.74	[0.36 - 1.37]
Other male genital organs (187)	9	3.26	2.76	[1.26 - 5.24]
Bladder (188)	90	88.5	1.02	[0.82 - 1.25]
Kidney (189)	62	73.73	0.84	[0.64 - 1.08]
Eye (190)	4	3.84	1.04	[0.28 - 2.67]
Brain (191-192)	69	72.79	0.95	[0.74 - 1.20]
Thyroid (193)	5	6.72	0.74	[0.24 - 1.74]
Other endocrine glands (194)	3	3.5	0.86	[0.18 - 2.50]
Ill defined (195,199)	119	118.42	1.00	[0.83 - 1.20]
Lymphatic & hematopoietic tissue (200-208)	200	211.75	0.94	[0.82 - 1.08]
Non-Hodgkins lymphoma (200,202)	63	62.58	1.01	[0.77 - 1.29]
Hodgkins disease (201)	20	20.36	0.98	[0.60 - 1.52]
Multiple myeloma (203)	37	41.87	0.88	[0.62 - 1.22]
Leukemia & aleukemia (204-208)	80	84.76	0.94	[0.75 - 1.17]
Lymphoid leukemia (204)	17	21.86	0.78	[0.45 - 1.25]
Myeloid leukemia (205)	37	35.46	1.04	[0.73 - 1.44]
BENIGN NEOPLASMS (210-239)	39	46.3	0.84	[0.60 - 1.15]
DIS. OF ENDOCRINE SYSTEM & BLOOD (240-289)	121	171.49	0.71	[0.59 - 0.84]
MENTAL DISORDERS (290-319)	85	117.94	0.72	[0.58 - 0.89]
DIS. OF NERVOUS SYSTEM (320-389)	120	147.93	0.81	[0.67 - 0.97]
DIS. OF CIRCULATORY SYSTEM (390-459)	4650	4893.43	0.95	[0.92 - 0.98]
Hypertension (401-405)	76	105.16	0.72	[0.57 - 0.90]
Ischaemic heart disease (410-414)	3035	3135.36	0.97	[0.93 - 1.00]
Cerebrovascular (430-438)	810	897.79	0.90	[0.84 - 0.97]
Other heart diseases (4150,4152-4299)	293	397.6	0.74	[0.65 - 0.83]
DIS. OF RESPIRATORY SYSTEM (460-519)	563	722.8	0.78	[0.72 - 0.85]
Influenza (487)	11	20.87	0.53	[0.26 - 0.94]
Pneumonia (480-486)	215	315.27	0.68	[0.59 - 0.78]
Bronchitis,emphysema & asthma (490-493)	238	255.86	0.93	[0.82 - 1.06]
Pneumoconioses (500-508)	4	10.73	0.37	[0.10 - 0.95]
DIS. OF DIGESTIVE SYSTEM (520-579)	313	383.88	0.82	[0.73 - 0.91]
Liver cirrhosis (571)	127	149.59	0.85	[0.71 - 1.01]
DIS. OF GENITO-URINARY SYSTEM (580-629)	112	142.58	0.79	[0.65 - 0.95]
Nephritis & nephrosis (580-589)	47	62.51	0.75	[0.55 - 1.00]
DIS. OF THE SKIN (680-739)	23	32.77	0.70	[0.44 - 1.05]
SYMPTOMS AND ILL-DEFINED CONDITIONS (780-799)	256	341.76	0.75	[0.66 - 0.85]
EXTERNAL CAUSES (E800-999)	992	1192.64	0.83	[0.78 - 0.89]
Traffic accident (E810-819)	176	240.83	0.73	[0.63 - 0.85]
Suicide (E950-959)	267	354.87	0.75	[0.66 - 0.85]
Homicide (E960-969)	23	35.08	0.66	[0.42 - 0.98]
Other external causes (E800-807,E820-949,E970-999)	526	561.88	0.94	[0.86 - 1.02]
UNKNOWN CAUSES	65			
OTHER CAUSES	194			

Table 2.10.15
Mortality by cause

TOTAL COHORT

Ever exposed to OILD (oils and synthetic fluids, dermal)

Women

Causes of death (ICD 9th.revision)	Observed	Expected	SMR	95% Confidence intervals
ALL CAUSES	1084	1190.18	0.91	[0.86 - 0.97]
ALL MALIGNANT NEOPLASMS (140-208)	331	338.95	0.98	[0.87 - 1.09]
Oral cavity & pharynx (140-149)	1	3.35	0.30	[0.01 - 1.66]
Oral cavity (141,143-145)	1	1.56	0.64	[0.02 - 3.57]
Nasopharynx (147)	0	0.28	0.00	[0.00 - 13.0]
Oesophagus (150)	4	4.51	0.89	[0.24 - 2.27]
Stomach (151)	28	25.09	1.12	[0.74 - 1.61]
Colon (153)	18	26	0.69	[0.41 - 1.09]
Rectum (154)	13	13.19	0.99	[0.52 - 1.69]
Liver (155)	6	6.14	0.98	[0.36 - 2.13]
Gallbladder (156)	3	5.9	0.51	[0.10 - 1.49]
Pancreas (157)	18	16.75	1.07	[0.64 - 1.70]
Peritoneum and other unspecified organs(158-159)	2	2.71	0.74	[0.09 - 2.67]
Nose & sinuses (160)	0	0.52	0.00	[0.00 - 7.08]
Larynx (161)	1	0.65	1.53	[0.04 - 8.55]
Lung (162)	41	31.02	1.32	[0.95 - 1.79]
Pleura (163)	3	0.57	5.25	[1.08 - 15.3]
Other respiratory organs (164-165)	0	0.49	0.00	[0.00 - 7.48]
Bone (170)	0	1.25	0.00	[0.00 - 2.96]
Soft tissue (171)	3	1.5	2.00	[0.41 - 5.85]
Melanoma (172)	3	4.8	0.62	[0.13 - 1.83]
Other skin (173)	1	0.81	1.24	[0.03 - 6.89]
Breast (174-175)	62	65.17	0.95	[0.73 - 1.22]
Cervix uteri (180)	16	16.81	0.95	[0.54 - 1.55]
Corpus uteri & uterus unspecified (179,181-182)	6	11.39	0.53	[0.19 - 1.15]
Ovary (183)	27	25.86	1.04	[0.69 - 1.52]
Other female genital organs (184)	3	2.57	1.17	[0.24 - 3.41]
Prostate (185)	0	-	-	-
Testis (186)	0	-	-	-
Other male genital organs (187)	0	-	-	-
Bladder (188)	5	4.84	1.03	[0.34 - 2.41]
Kidney (189)	5	7.48	0.67	[0.22 - 1.56]
Eye (190)	0	0.56	0.00	[0.00 - 6.59]
Brain (191-192)	12	9.52	1.26	[0.65 - 2.20]
Thyroid (193)	0	1.92	0.00	[0.00 - 1.92]
Other endocrine glands (194)	0	0.53	0.00	[0.00 - 6.95]
Ill defined (195,199)	19	16.15	1.18	[0.71 - 1.84]
Lymphatic & hematopoietic tissue (200-208)	23	26.59	0.87	[0.55 - 1.30]
Non-Hodgkins lymphoma (200,202)	6	7.69	0.78	[0.29 - 1.70]
Hodgkins disease (201)	3	2.43	1.23	[0.25 - 3.60]
Multiple myeloma (203)	4	5.27	0.76	[0.21 - 1.94]
Leukemia & aleukemia (204-208)	10	10.88	0.92	[0.44 - 1.69]
Lymphoid leukemia (204)	1	2.16	0.46	[0.01 - 2.58]
Myeloid leukemia (205)	5	4.87	1.03	[0.33 - 2.40]
BENIGN NEOPLASMS (210-239)	5	7.16	0.70	[0.23 - 1.63]
DIS. OF ENDOCRINE SYSTEM & BLOOD (240-289)	19	29.07	0.65	[0.39 - 1.02]
MENTAL DISORDERS (290-319)	4	16.53	0.24	[0.07 - 0.62]
DIS. OF NERVOUS SYSTEM (320-389)	18	21.54	0.84	[0.50 - 1.32]
DIS. OF CIRCULATORY SYSTEM (390-459)	491	511.12	0.96	[0.88 - 1.05]
Hypertension (401-405)	15	18.07	0.83	[0.46 - 1.37]
Ischaemic heart disease (410-414)	247	236.01	1.05	[0.92 - 1.19]
Cerebrovascular (430-438)	128	149.83	0.85	[0.71 - 1.02]
Other heart diseases (4150,4152-4299)	53	57.82	0.92	[0.69 - 1.20]
DIS. OF RESPIRATORY SYSTEM (460-519)	70	75.13	0.93	[0.73 - 1.18]
Influenza (487)	5	3.48	1.43	[0.47 - 3.35]
Pneumonia (480-486)	43	41.25	1.04	[0.75 - 1.40]
Bronchitis,emphysema & asthma (490-493)	17	19.55	0.87	[0.51 - 1.39]
Pneumoconioses (500-508)	0	0.25	0.00	[0.00 - 14.6]
DIS. OF DIGESTIVE SYSTEM (520-579)	31	43.56	0.71	[0.48 - 1.01]
Liver cirrhosis (571)	7	11.94	0.59	[0.24 - 1.21]
DIS. OF GENITO-URINARY SYSTEM (580-629)	22	20.38	1.08	[0.68 - 1.63]
Nephritis & nephrosis (580-589)	5	8.27	0.60	[0.20 - 1.41]
DIS. OF THE SKIN (680-739)	7	9.88	0.71	[0.28 - 1.46]
SYMPTOMS AND ILL-DEFINED CONDITIONS (780-799)	11	23.49	0.47	[0.23 - 0.84]
EXTERNAL CAUSES (E800-999)	57	74.49	0.77	[0.58 - 0.99]
Traffic accident (E810-819)	9	13.82	0.65	[0.30 - 1.24]
Suicide (E950-959)	13	24.22	0.54	[0.29 - 0.92]
Homicide (E960-969)	0	2.47	0.00	[0.00 - 1.50]
Other external causes (E800-807,E820-949,E970-999)	35	34	1.03	[0.72 - 1.43]
UNKNOWN CAUSES	4			
OTHER CAUSES	14			

Table 2.10.16
Mortality by cause

TOTAL COHORT

Ever exposed to OILI (oils and synthetic fluids, inhalatory)

Causes of death (ICD 9th.revision)	Observed	Expected	SMR	95% Confidence intervals
ALL CAUSES	1703	1947.08	0.87	[0.83 - 0.92]
ALL MALIGNANT NEOPLASMS (140-208)	412	450.97	0.91	[0.83 - 1.01]
Oral cavity & pharynx (140-149)	10	12.36	0.81	[0.39 - 1.49]
Oral cavity (141,143-145)	4	4.75	0.84	[0.23 - 2.16]
Nasopharynx (147)	1	0.82	1.22	[0.03 - 6.80]
Oesophagus (150)	12	13.35	0.90	[0.46 - 1.57]
Stomach (151)	40	44.03	0.91	[0.65 - 1.24]
Colon (153)	33	27.94	1.18	[0.81 - 1.66]
Rectum (154)	10	17.72	0.56	[0.27 - 1.04]
Liver (155)	11	11.2	0.98	[0.49 - 1.76]
Gallbladder (156)	3	4.48	0.67	[0.14 - 1.96]
Pancreas (157)	18	23.34	0.77	[0.46 - 1.22]
Peritoneum and other unspecified organs(158-159)	2	3.63	0.55	[0.07 - 1.99]
Nose & sinuses (160)	2	1.9	1.05	[0.13 - 3.80]
Larynx (161)	6	7.14	0.84	[0.31 - 1.83]
Lung (162)	126	122.83	1.03	[0.85 - 1.22]
Pleura (163)	6	1.85	3.25	[1.19 - 7.07]
Other respiratory organs (164-165)	3	1.5	2.01	[0.41 - 5.86]
Bone (170)	0	2.12	0.00	[0.00 - 1.74]
Soft tissue (171)	2	2	1.00	[0.12 - 3.61]
Melanoma (172)	5	7.28	0.69	[0.22 - 1.60]
Other skin (173)	2	1.42	1.41	[0.17 - 5.09]
Breast (174-175)	2	4.2	0.48	[0.06 - 1.72]
Cervix uteri (180)	0	0.87	0.00	[0.00 - 4.25]
Corpus uteri & uterus unspecified (179,181-182)	1	0.75	1.34	[0.03 - 7.47]
Ovary (183)	1	1.56	0.64	[0.02 - 3.58]
Other female genital organs (184)	0	0.19	0.00	[0.00 - 19.1]
Prostate (185)	20	35.26	0.57	[0.35 - 0.88]
Testis (186)	1	1.79	0.56	[0.01 - 3.11]
Other male genital organs (187)	1	0.46	2.17	[0.05 - 12.1]
Bladder (188)	19	12.28	1.55	[0.93 - 2.42]
Kidney (189)	9	12.76	0.71	[0.32 - 1.34]
Eye (190)	1	0.64	1.57	[0.04 - 8.77]
Brain (191-192)	10	12.38	0.81	[0.39 - 1.49]
Thyroid (193)	2	1.29	1.55	[0.19 - 5.60]
Other endocrine glands (194)	2	0.71	2.81	[0.34 - 10.2]
Ill defined (195,199)	16	17.04	0.94	[0.54 - 1.52]
Lymphatic & hematopoietic tissue (200-208)	25	37.18	0.67	[0.44 - 0.99]
Non-Hodgkins lymphoma (200,202)	6	11.67	0.51	[0.19 - 1.12]
Hodgkins disease (201)	3	3.54	0.85	[0.17 - 2.48]
Multiple myeloma (203)	5	6.6	0.76	[0.25 - 1.77]
Leukemia & aleukemia (204-208)	11	15.16	0.73	[0.36 - 1.30]
Lymphoid leukemia (204)	1	4.13	0.24	[0.01 - 1.35]
Myeloid leukemia (205)	4	6.65	0.60	[0.16 - 1.54]
BENIGN NEOPLASMS (210-239)	7	7.76	0.90	[0.36 - 1.86]
DIS. OF ENDOCRINE SYSTEM & BLOOD (240-289)	21	33.04	0.64	[0.39 - 0.97]
MENTAL DISORDERS (290-319)	11	22.45	0.49	[0.24 - 0.88]
DIS. OF NERVOUS SYSTEM (320-389)	21	25.37	0.83	[0.51 - 1.27]
DIS. OF CIRCULATORY SYSTEM (390-459)	821	873.21	0.94	[0.88 - 1.01]
Hypertension (401-405)	20	17.37	1.15	[0.70 - 1.78]
Ischaemic heart disease (410-414)	500	560.4	0.89	[0.82 - 0.97]
Cerebrovascular (430-438)	116	157.91	0.73	[0.61 - 0.88]
Other heart diseases (4150,4152-4299)	57	76.68	0.74	[0.56 - 0.96]
DIS. OF RESPIRATORY SYSTEM (460-519)	85	122.56	0.69	[0.55 - 0.86]
Influenza (487)	0	3.99	0.00	[0.00 - 0.92]
Pneumonia (480-486)	27	50.15	0.54	[0.35 - 0.78]
Bronchitis,emphysema & asthma (490-493)	36	42.05	0.86	[0.60 - 1.19]
Pneumoconioses (500-508)	1	2.13	0.47	[0.01 - 2.62]
DIS. OF DIGESTIVE SYSTEM (520-579)	54	73.38	0.74	[0.55 - 0.96]
Liver cirrhosis (571)	31	30.28	1.02	[0.70 - 1.45]
DIS. OF GENITO-URINARY SYSTEM (580-629)	21	24.4	0.86	[0.53 - 1.32]
Nephritis & nephrosis (580-589)	6	11.57	0.52	[0.19 - 1.13]
DIS. OF THE SKIN (680-739)	1	6.29	0.16	[0.00 - 0.89]
SYMPTOMS AND ILL-DEFINED CONDITIONS (780-799)	14	29.74	0.47	[0.26 - 0.79]
EXTERNAL CAUSES (E800-999)	178	246.08	0.72	[0.62 - 0.84]
Traffic accident (E810-819)	29	52.24	0.56	[0.37 - 0.80]
Suicide (E950-959)	40	79.4	0.50	[0.36 - 0.69]
Homicide (E960-969)	3	7.53	0.40	[0.08 - 1.16]
Other external causes (E800-807,E820-949,E970-999)	106	106.91	0.99	[0.81 - 1.20]
UNKNOWN CAUSES	9			
OTHER CAUSES	48			

Table 2.10.16
Mortality by cause

TOTAL COHORT

Ever exposed to OILI (oils and synthetic fluids, inhalatory)

Men

Causes of death (ICD 9th.revision)	Observed	Expected	SMR	95% Confidence intervals
ALL CAUSES	1625	1858.47	0.87	[0.83 - 0.92]
ALL MALIGNANT NEOPLASMS (140-208)	390	429.39	0.91	[0.82 - 1.00]
Oral cavity & pharynx (140-149)	10	12.12	0.82	[0.40 - 1.52]
Oral cavity (141,143-145)	4	4.63	0.86	[0.24 - 2.21]
Nasopharynx (147)	1	0.8	1.25	[0.03 - 6.97]
Oesophagus (150)	12	12.97	0.93	[0.48 - 1.62]
Stomach (151)	37	42.02	0.88	[0.62 - 1.21]
Colon (153)	31	26.41	1.17	[0.80 - 1.67]
Rectum (154)	8	16.87	0.47	[0.20 - 0.93]
Liver (155)	11	10.76	1.02	[0.51 - 1.83]
Gallbladder (156)	3	3.92	0.76	[0.16 - 2.24]
Pancreas (157)	16	22	0.73	[0.42 - 1.18]
Peritoneum and other unspecified organs(158-159)	2	3.4	0.59	[0.07 - 2.12]
Nose & sinuses (160)	2	1.86	1.08	[0.13 - 3.89]
Larynx (161)	6	7.11	0.84	[0.31 - 1.84]
Lung (162)	123	121.31	1.01	[0.84 - 1.21]
Pleura (163)	5	1.8	2.78	[0.90 - 6.49]
Other respiratory organs (164-165)	3	1.46	2.06	[0.42 - 6.01]
Bone (170)	0	2.05	0.00	[0.00 - 1.80]
Soft tissue (171)	2	1.89	1.06	[0.13 - 3.83]
Melanoma (172)	5	6.98	0.72	[0.23 - 1.67]
Other skin (173)	2	1.36	1.47	[0.18 - 5.31]
Breast (174-175)	0	0.4	0.00	[0.00 - 9.28]
Cervix uteri (180)	0	-	-	-
Corpus uteri & uterus unspecified (179,181-182)	0	-	-	-
Ovary (183)	0	-	-	-
Other female genital organs (184)	0	-	-	-
Prostate (185)	20	35.26	0.57	[0.35 - 0.88]
Testis (186)	1	1.79	0.56	[0.01 - 3.11]
Other male genital organs (187)	1	0.46	2.17	[0.05 - 12.1]
Bladder (188)	19	12.02	1.58	[0.95 - 2.47]
Kidney (189)	9	12.19	0.74	[0.34 - 1.40]
Eye (190)	1	0.59	1.69	[0.04 - 9.41]
Brain (191-192)	10	11.81	0.85	[0.41 - 1.56]
Thyroid (193)	2	1.12	1.79	[0.22 - 6.46]
Other endocrine glands (194)	2	0.67	2.98	[0.36 - 10.8]
Ill defined (195,199)	14	16.16	0.87	[0.47 - 1.45]
Lymphatic & hematopoietic tissue (200-208)	24	35.29	0.68	[0.44 - 1.01]
Non-Hodgkins lymphoma (200,202)	6	11.06	0.54	[0.20 - 1.18]
Hodgkins disease (201)	3	3.4	0.88	[0.18 - 2.58]
Multiple myeloma (203)	5	6.19	0.81	[0.26 - 1.89]
Leukemia & aleukemia (204-208)	10	14.42	0.69	[0.33 - 1.28]
Lymphoid leukemia (204)	0	3.94	0.00	[0.00 - 0.94]
Myeloid leukemia (205)	4	6.29	0.64	[0.17 - 1.63]
BENIGN NEOPLASMS (210-239)	6	7.26	0.83	[0.30 - 1.80]
DIS. OF ENDOCRINE SYSTEM & BLOOD (240-289)	20	31.08	0.64	[0.39 - 0.99]
MENTAL DISORDERS (290-319)	11	20.43	0.54	[0.27 - 0.96]
DIS. OF NERVOUS SYSTEM (320-389)	19	23.85	0.80	[0.48 - 1.24]
DIS. OF CIRCULATORY SYSTEM (390-459)	783	830.25	0.94	[0.88 - 1.01]
Hypertension (401-405)	20	15.9	1.26	[0.77 - 1.94]
Ischaemic heart disease (410-414)	483	539.27	0.90	[0.82 - 0.98]
Cerebrovascular (430-438)	107	145.4	0.74	[0.60 - 0.89]
Other heart diseases (4150,4152-4299)	52	72.25	0.72	[0.54 - 0.94]
DIS. OF RESPIRATORY SYSTEM (460-519)	83	117.11	0.71	[0.56 - 0.88]
Influenza (487)	0	3.7	0.00	[0.00 - 1.00]
Pneumonia (480-486)	25	46.62	0.54	[0.35 - 0.79]
Bronchitis,emphysema & asthma (490-493)	36	41	0.88	[0.62 - 1.22]
Pneumoconioses (500-508)	1	2.11	0.47	[0.01 - 2.65]
DIS. OF DIGESTIVE SYSTEM (520-579)	53	70.52	0.75	[0.56 - 0.98]
Liver cirrhosis (571)	31	29.75	1.04	[0.71 - 1.48]
DIS. OF GENITO-URINARY SYSTEM (580-629)	18	22.78	0.79	[0.47 - 1.25]
Nephritis & nephrosis (580-589)	5	11	0.45	[0.15 - 1.06]
DIS. OF THE SKIN (680-739)	1	5.46	0.18	[0.00 - 1.02]
SYMPTOMS AND ILL-DEFINED CONDITIONS (780-799)	14	28.97	0.48	[0.26 - 0.81]
EXTERNAL CAUSES (E800-999)	170	241.14	0.70	[0.60 - 0.82]
Traffic accident (E810-819)	28	51.14	0.55	[0.36 - 0.79]
Suicide (E950-959)	38	77.93	0.49	[0.35 - 0.67]
Homicide (E960-969)	3	7.36	0.41	[0.08 - 1.19]
Other external causes (E800-807,E820-949,E970-999)	101	104.71	0.96	[0.79 - 1.17]
UNKNOWN CAUSES	9			
OTHER CAUSES	48			

Table 2.10.16
Mortality by cause

TOTAL COHORT

Ever exposed to OILI (oils and synthetic fluids, inhalatory)

Women

Causes of death (ICD 9th.revision)	Observed	Expected	SMR	95% Confidence intervals
ALL CAUSES	78	88.61	0.88	[0.70 - 1.10]
ALL MALIGNANT NEOPLASMS (140-208)	22	21.58	1.02	[0.64 - 1.54]
Oral cavity & pharynx (140-149)	0	0.23	0.00	[0.00 - 15.8]
Oral cavity (141,143-145)	0	0.12	0.00	[0.00 - 31.8]
Nasopharynx (147)	0	0.02	0.00	[0.00 - 0192]
Oesophagus (150)	0	0.38	0.00	[0.00 - 9.58]
Stomach (151)	3	2.02	1.49	[0.31 - 4.35]
Colon (153)	2	1.52	1.31	[0.16 - 4.74]
Rectum (154)	2	0.85	2.34	[0.28 - 8.45]
Liver (155)	0	0.44	0.00	[0.00 - 8.34]
Gallbladder (156)	0	0.56	0.00	[0.00 - 6.57]
Pancreas (157)	2	1.33	1.50	[0.18 - 5.41]
Peritoneum and other unspecified organs(158-159)	0	0.22	0.00	[0.00 - 16.5]
Nose & sinuses (160)	0	0.04	0.00	[0.00 - 85.7]
Larynx (161)	0	0.03	0.00	[0.00 - 0131]
Lung (162)	3	1.52	1.97	[0.41 - 5.77]
Pleura (163)	1	0.05	21.30	[0.53 - 0119]
Other respiratory organs (164-165)	0	0.04	0.00	[0.00 - 0101]
Bone (170)	0	0.07	0.00	[0.00 - 50.3]
Soft tissue (171)	0	0.11	0.00	[0.00 - 32.5]
Melanoma (172)	0	0.3	0.00	[0.00 - 12.1]
Other skin (173)	0	0.06	0.00	[0.00 - 64.3]
Breast (174-175)	2	3.81	0.53	[0.06 - 1.90]
Cervix uteri (180)	0	0.87	0.00	[0.00 - 4.25]
Corpus uteri & uterus unspecified (179,181-182)	1	0.75	1.34	[0.03 - 7.47]
Ovary (183)	1	1.56	0.64	[0.02 - 3.58]
Other female genital organs (184)	0	0.19	0.00	[0.00 - 19.1]
Prostate (185)	0	-	-	-
Testis (186)	0	-	-	-
Other male genital organs (187)	0	-	-	-
Bladder (188)	0	0.26	0.00	[0.00 - 14.1]
Kidney (189)	0	0.57	0.00	[0.00 - 6.45]
Eye (190)	0	0.04	0.00	[0.00 - 85.6]
Brain (191-192)	0	0.56	0.00	[0.00 - 6.54]
Thyroid (193)	0	0.17	0.00	[0.00 - 21.7]
Other endocrine glands (194)	0	0.04	0.00	[0.00 - 91.7]
Ill defined (195,199)	0	0.88	2.27	[0.27 - 8.19]
Lymphatic & hematopoietic tissue (200-208)	1	1.9	0.53	[0.01 - 2.94]
Non-Hodgkins lymphoma (200,202)	0	0.61	0.00	[0.00 - 6.06]
Hodgkins disease (201)	0	0.14	0.00	[0.00 - 27.0]
Multiple myeloma (203)	0	0.42	0.00	[0.00 - 8.86]
Leukemia & aleukemia (204-208)	1	0.74	1.35	[0.03 - 7.55]
Lymphoid leukemia (204)	1	0.18	5.51	[0.14 - 30.7]
Myeloid leukemia (205)	0	0.36	0.00	[0.00 - 10.4]
BENIGN NEOPLASMS (210-239)	1	0.5	2.02	[0.05 - 11.3]
DIS. OF ENDOCRINE SYSTEM & BLOOD (240-289)	1	1.95	0.51	[0.01 - 2.85]
MENTAL DISORDERS (290-319)	0	2.02	0.00	[0.00 - 1.83]
DIS. OF NERVOUS SYSTEM (320-389)	2	1.52	1.32	[0.16 - 4.76]
DIS. OF CIRCULATORY SYSTEM (390-459)	38	42.95	0.88	[0.63 - 1.21]
Hypertension (401-405)	0	1.48	0.00	[0.00 - 2.50]
Ischaemic heart disease (410-414)	17	21.12	0.80	[0.47 - 1.29]
Cerebrovascular (430-438)	9	12.51	0.72	[0.33 - 1.37]
Other heart diseases (4150,4152-4299)	5	4.43	1.13	[0.37 - 2.63]
DIS. OF RESPIRATORY SYSTEM (460-519)	2	5.45	0.37	[0.04 - 1.33]
Influenza (487)	0	0.29	0.00	[0.00 - 12.6]
Pneumonia (480-486)	2	3.53	0.57	[0.07 - 2.05]
Bronchitis,emphysema & asthma (490-493)	0	1.05	0.00	[0.00 - 3.50]
Pneumoconioses (500-508)	0	0.02	0.00	[0.00 - 0178]
DIS. OF DIGESTIVE SYSTEM (520-579)	1	2.87	0.35	[0.01 - 1.94]
Liver cirrhosis (571)	0	0.53	0.00	[0.00 - 6.97]
DIS. OF GENITO-URINARY SYSTEM (580-629)	3	1.63	1.85	[0.38 - 5.39]
Nephritis & nephrosis (580-589)	1	0.57	1.77	[0.04 - 9.85]
DIS. OF THE SKIN (680-739)	0	0.83	0.00	[0.00 - 4.42]
SYMPTOMS AND ILL-DEFINED CONDITIONS (780-799)	0	0.77	0.00	[0.00 - 4.80]
EXTERNAL CAUSES (E800-999)	8	4.94	1.62	[0.70 - 3.19]
Traffic accident (E810-819)	1	1.1	0.91	[0.02 - 5.08]
Suicide (E950-959)	2	1.47	1.36	[0.16 - 4.91]
Homicide (E960-969)	0	0.18	0.00	[0.00 - 21.0]
Other external causes (E800-807,E820-949,E970-999)	5	2.2	2.27	[0.74 - 5.30]
UNKNOWN CAUSES	0			
OTHER CAUSES	0			

Table 2.10.17
Mortality by cause

TOTAL COHORT

Ever exposed to PUPA (pulp or paper dust)

Causes of death (ICD 9th.revision)	Observed	Expected	SMR	95% Confidence intervals
ALL CAUSES	11032	11961.9	0.92	[0.91 - 0.94]
ALL MALIGNANT NEOPLASMS (140-208)	2720	2891.04	0.94	[0.91 - 0.98]
Oral cavity & pharynx (140-149)	47	67.77	0.69	[0.51 - 0.92]
Oral cavity (141,143-145)	21	27.4	0.77	[0.47 - 1.17]
Nasopharynx (147)	2	4.72	0.42	[0.05 - 1.53]
Oesophagus (150)	58	74.07	0.78	[0.59 - 1.01]
Stomach (151)	230	274.62	0.84	[0.73 - 0.95]
Colon (153)	169	197.83	0.85	[0.73 - 0.99]
Rectum (154)	120	129.52	0.93	[0.77 - 1.11]
Liver (155)	47	54.38	0.86	[0.64 - 1.15]
Gallbladder (156)	17	24.74	0.69	[0.40 - 1.10]
Pancreas (157)	151	147.69	1.02	[0.87 - 1.20]
Peritoneum and other unspecified organs(158-159)	8	14.49	0.55	[0.24 - 1.09]
Nose & sinuses (160)	12	9.8	1.22	[0.63 - 2.14]
Larynx (161)	38	36.47	1.04	[0.74 - 1.43]
Lung (162)	702	683.65	1.03	[0.95 - 1.11]
Pleura (163)	18	11.8	1.53	[0.90 - 2.41]
Other respiratory organs (164-165)	11	6.92	1.59	[0.79 - 2.84]
Bone (170)	4	11.71	0.34	[0.09 - 0.87]
Soft tissue (171)	16	12.35	1.30	[0.74 - 2.10]
Melanoma (172)	46	45.88	1.00	[0.73 - 1.34]
Other skin (173)	7	8.16	0.86	[0.34 - 1.77]
Breast (174-175)	74	79.66	0.93	[0.73 - 1.17]
Cervix uteri (180)	21	21.04	1.00	[0.62 - 1.53]
Corpus uteri & uterus unspecified (179,181-182)	8	12.41	0.64	[0.28 - 1.27]
Ovary (183)	28	31.39	0.89	[0.59 - 1.29]
Other female genital organs (184)	2	2.92	0.68	[0.08 - 2.47]
Prostate (185)	205	233.59	0.88	[0.76 - 1.01]
Testis (186)	11	13.61	0.81	[0.40 - 1.45]
Other male genital organs (187)	8	3.26	2.45	[1.06 - 4.84]
Bladder (188)	97	93.72	1.03	[0.84 - 1.26]
Kidney (189)	72	81.66	0.88	[0.69 - 1.11]
Eye (190)	3	4.43	0.68	[0.14 - 1.98]
Brain (191-192)	78	83.4	0.94	[0.74 - 1.17]
Thyroid (193)	4	8.74	0.46	[0.12 - 1.17]
Other endocrine glands (194)	3	4.15	0.72	[0.15 - 2.11]
Ill defined (195,199)	145	134.95	1.07	[0.91 - 1.26]
Lymphatic & hematopoietic tissue (200-208)	220	237.68	0.93	[0.81 - 1.06]
Non-Hodgkins lymphoma (200,202)	66	70.26	0.94	[0.73 - 1.20]
Hodgkins disease (201)	24	22.75	1.06	[0.68 - 1.57]
Multiple myeloma (203)	46	46.65	0.99	[0.72 - 1.32]
Leukemia & aleukemia (204-208)	84	95.74	0.88	[0.70 - 1.09]
Lymphoid leukemia (204)	16	23.93	0.67	[0.38 - 1.09]
Myeloid leukemia (205)	39	40.57	0.96	[0.68 - 1.31]
BENIGN NEOPLASMS (210-239)	43	53.93	0.80	[0.58 - 1.07]
DIS. OF ENDOCRINE SYSTEM & BLOOD (240-289)	147	199.46	0.74	[0.62 - 0.87]
MENTAL DISORDERS (290-319)	96	131.93	0.73	[0.59 - 0.89]
DIS. OF NERVOUS SYSTEM (320-389)	140	167.08	0.84	[0.70 - 0.99]
DIS. OF CIRCULATORY SYSTEM (390-459)	5126	5324.62	0.96	[0.94 - 0.99]
Hypertension (401-405)	102	119.7	0.85	[0.69 - 1.03]
Ischaemic heart disease (410-414)	3306	3329.36	0.99	[0.96 - 1.03]
Cerebrovascular (430-438)	897	1030.4	0.87	[0.81 - 0.93]
Other heart diseases (4150,4152-4299)	330	441.39	0.75	[0.67 - 0.83]
DIS. OF RESPIRATORY SYSTEM (460-519)	646	783.26	0.82	[0.76 - 0.89]
Influenza (487)	15	24.62	0.61	[0.34 - 1.00]
Pneumonia (480-486)	253	342.46	0.74	[0.65 - 0.84]
Bronchitis,emphysema & asthma (490-493)	267	277.71	0.96	[0.85 - 1.08]
Pneumoconioses (500-508)	5	10.71	0.47	[0.15 - 1.09]
DIS. OF DIGESTIVE SYSTEM (520-579)	369	427.91	0.86	[0.78 - 0.95]
Liver cirrhosis (571)	152	163.31	0.93	[0.79 - 1.09]
DIS. OF GENITO-URINARY SYSTEM (580-629)	125	163.47	0.76	[0.64 - 0.91]
Nephritis & nephrosis (580-589)	42	67.94	0.62	[0.45 - 0.84]
DIS. OF THE SKIN (680-739)	31	42.62	0.73	[0.49 - 1.03]
SYMPTOMS AND ILL-DEFINED CONDITIONS (780-799)	271	366.3	0.74	[0.65 - 0.83]
EXTERNAL CAUSES (E800-999)	1052	1247.76	0.84	[0.79 - 0.90]
Traffic accident (E810-819)	186	252.73	0.74	[0.63 - 0.85]
Suicide (E950-959)	284	381.21	0.74	[0.66 - 0.84]
Homicide (E960-969)	27	38.7	0.70	[0.46 - 1.02]
Other external causes (E800-807,E820-949,E970-999)	555	575.15	0.96	[0.89 - 1.05]
UNKNOWN CAUSES	68			
OTHER CAUSES	198			

Table 2.10.17
Mortality by cause

TOTAL COHORT

Ever exposed to PUPA (pulp or paper dust)

Men

Causes of death (ICD 9th.revision)	Observed	Expected	SMR	95% Confidence intervals
ALL CAUSES	9780	10608.4	0.92	[0.90 - 0.94]
ALL MALIGNANT NEOPLASMS (140-208)	2335	2494.25	0.94	[0.90 - 0.97]
Oral cavity & pharynx (140-149)	45	63.89	0.70	[0.51 - 0.94]
Oral cavity (141,143-145)	19	25.58	0.74	[0.45 - 1.16]
Nasopharynx (147)	2	4.39	0.46	[0.06 - 1.64]
Oesophagus (150)	54	69.02	0.78	[0.59 - 1.02]
Stomach (151)	203	247.13	0.82	[0.71 - 0.94]
Colon (153)	150	166.76	0.90	[0.76 - 1.06]
Rectum (154)	106	113.89	0.93	[0.76 - 1.13]
Liver (155)	40	48.17	0.83	[0.59 - 1.13]
Gallbladder (156)	14	18.3	0.77	[0.42 - 1.28]
Pancreas (157)	132	128.19	1.03	[0.86 - 1.22]
Peritoneum and other unspecified organs(158-159)	6	12.08	0.50	[0.18 - 1.08]
Nose & sinuses (160)	12	9.19	1.31	[0.67 - 2.28]
Larynx (161)	37	35.72	1.04	[0.73 - 1.43]
Lung (162)	647	645.78	1.00	[0.93 - 1.08]
Pleura (163)	16	11.19	1.43	[0.82 - 2.32]
Other respiratory organs (164-165)	11	6.36	1.73	[0.86 - 3.10]
Bone (170)	4	10.41	0.38	[0.10 - 0.98]
Soft tissue (171)	13	10.59	1.23	[0.65 - 2.10]
Melanoma (172)	41	39.99	1.03	[0.74 - 1.39]
Other skin (173)	6	7.25	0.83	[0.30 - 1.80]
Breast (174-175)	1	2.43	0.41	[0.01 - 2.30]
Cervix uteri (180)	0	-	-	-
Corpus uteri & uterus unspecified (179,181-182)	0	-	-	-
Ovary (183)	0	-	-	-
Other female genital organs (184)	0	-	-	-
Prostate (185)	205	233.59	0.88	[0.76 - 1.01]
Testis (186)	11	13.61	0.81	[0.40 - 1.45]
Other male genital organs (187)	8	3.26	2.45	[1.06 - 4.84]
Bladder (188)	91	87.97	1.03	[0.83 - 1.27]
Kidney (189)	64	72.64	0.88	[0.68 - 1.13]
Eye (190)	3	3.76	0.80	[0.16 - 2.33]
Brain (191-192)	64	72.21	0.89	[0.68 - 1.13]
Thyroid (193)	4	6.59	0.61	[0.17 - 1.56]
Other endocrine glands (194)	2	3.51	0.57	[0.07 - 2.06]
Ill defined (195,199)	119	115.61	1.03	[0.85 - 1.23]
Lymphatic & hematopoietic tissue (200-208)	194	207.09	0.94	[0.81 - 1.08]
Non-Hodgkins lymphoma (200,202)	61	61.34	0.99	[0.76 - 1.28]
Hodgkins disease (201)	20	19.96	1.00	[0.61 - 1.55]
Multiple myeloma (203)	41	40.5	1.01	[0.73 - 1.37]
Leukemia & aleukemia (204-208)	72	83.33	0.86	[0.68 - 1.09]
Lymphoid leukemia (204)	15	21.48	0.70	[0.39 - 1.15]
Myeloid leukemia (205)	33	34.85	0.95	[0.65 - 1.33]
BENIGN NEOPLASMS (210-239)	40	45.64	0.88	[0.63 - 1.19]
DIS. OF ENDOCRINE SYSTEM & BLOOD (240-289)	120	169.17	0.71	[0.59 - 0.85]
MENTAL DISORDERS (290-319)	90	113.42	0.79	[0.64 - 0.98]
DIS. OF NERVOUS SYSTEM (320-389)	120	143.02	0.84	[0.70 - 1.00]
DIS. OF CIRCULATORY SYSTEM (390-459)	4581	4755.94	0.96	[0.94 - 0.99]
Hypertension (401-405)	80	101.63	0.79	[0.62 - 0.98]
Ischaemic heart disease (410-414)	3020	3055.8	0.99	[0.95 - 1.02]
Cerebrovascular (430-438)	765	866.36	0.88	[0.82 - 0.95]
Other heart diseases (4150,4152-4299)	278	383.25	0.73	[0.64 - 0.82]
DIS. OF RESPIRATORY SYSTEM (460-519)	566	696.47	0.81	[0.75 - 0.88]
Influenza (487)	8	20.55	0.39	[0.17 - 0.77]
Pneumonia (480-486)	205	294.58	0.70	[0.60 - 0.80]
Bronchitis,emphysema & asthma (490-493)	249	254.5	0.98	[0.86 - 1.11]
Pneumoconioses (500-508)	5	10.45	0.48	[0.16 - 1.12]
DIS. OF DIGESTIVE SYSTEM (520-579)	331	380.03	0.87	[0.78 - 0.97]
Liver cirrhosis (571)	143	150.81	0.95	[0.80 - 1.12]
DIS. OF GENITO-URINARY SYSTEM (580-629)	102	140.09	0.73	[0.59 - 0.88]
Nephritis & nephrosis (580-589)	37	59.43	0.62	[0.44 - 0.86]
DIS. OF THE SKIN (680-739)	23	31.4	0.73	[0.46 - 1.10]
SYMPTOMS AND ILL-DEFINED CONDITIONS (780-799)	251	336.95	0.74	[0.66 - 0.84]
EXTERNAL CAUSES (E800-999)	981	1160.92	0.85	[0.79 - 0.90]
Traffic accident (E810-819)	173	237.02	0.73	[0.63 - 0.85]
Suicide (E950-959)	268	350.97	0.76	[0.67 - 0.86]
Homicide (E960-969)	26	35.89	0.72	[0.47 - 1.06]
Other external causes (E800-807,E820-949,E970-999)	514	537.06	0.96	[0.88 - 1.04]
UNKNOWN CAUSES	61			
OTHER CAUSES	179			

Table 2.10.17
Mortality by cause

TOTAL COHORT

Ever exposed to PUPA (pulp or paper dust)

Women

Causes of death (ICD 9th.revision)	Observed	Expected	SMR	95% Confidence intervals
ALL CAUSES	1252	1353.49	0.93	[0.87 - 0.98]
ALL MALIGNANT NEOPLASMS (140-208)	385	396.79	0.97	[0.88 - 1.07]
Oral cavity & pharynx (140-149)	2	3.89	0.51	[0.06 - 1.86]
Oral cavity (141,143-145)	2	1.83	1.09	[0.13 - 3.96]
Nasopharynx (147)	0	0.33	0.00	[0.00 - 11.1]
Oesophagus (150)	4	5.04	0.79	[0.22 - 2.03]
Stomach (151)	27	27.49	0.98	[0.65 - 1.43]
Colon (153)	19	31.07	0.61	[0.37 - 0.95]
Rectum (154)	14	15.63	0.90	[0.49 - 1.50]
Liver (155)	7	6.21	1.13	[0.45 - 2.32]
Gallbladder (156)	3	6.44	0.47	[0.10 - 1.36]
Pancreas (157)	19	19.5	0.97	[0.59 - 1.52]
Peritoneum and other unspecified organs(158-159)	2	2.41	0.83	[0.10 - 3.00]
Nose & sinuses (160)	0	0.61	0.00	[0.00 - 6.06]
Larynx (161)	1	0.75	1.33	[0.03 - 7.43]
Lung (162)	55	37.87	1.45	[1.09 - 1.89]
Pleura (163)	2	0.61	3.28	[0.40 - 11.9]
Other respiratory organs (164-165)	0	0.57	0.00	[0.00 - 6.52]
Bone (170)	0	1.3	0.00	[0.00 - 2.84]
Soft tissue (171)	3	1.77	1.70	[0.35 - 4.96]
Melanoma (172)	5	5.9	0.85	[0.28 - 1.98]
Other skin (173)	1	0.9	1.11	[0.03 - 6.17]
Breast (174-175)	73	77.24	0.95	[0.74 - 1.19]
Cervix uteri (180)	21	21.04	1.00	[0.62 - 1.53]
Corpus uteri & uterus unspecified (179,181-182)	8	12.41	0.64	[0.28 - 1.27]
Ovary (183)	28	31.39	0.89	[0.59 - 1.29]
Other female genital organs (184)	2	2.92	0.68	[0.08 - 2.47]
Prostate (185)	0	-	-	-
Testis (186)	0	-	-	-
Other male genital organs (187)	0	-	-	-
Bladder (188)	6	5.75	1.04	[0.38 - 2.27]
Kidney (189)	8	9.02	0.89	[0.38 - 1.75]
Eye (190)	0	0.67	0.00	[0.00 - 5.51]
Brain (191-192)	14	11.19	1.25	[0.68 - 2.10]
Thyroid (193)	0	2.15	0.00	[0.00 - 1.71]
Other endocrine glands (194)	1	0.64	1.56	[0.04 - 8.69]
Ill defined (195,199)	26	19.34	1.34	[0.88 - 1.97]
Lymphatic & hematopoietic tissue (200-208)	26	30.58	0.85	[0.56 - 1.25]
Non-Hodgkins lymphoma (200,202)	5	8.92	0.56	[0.18 - 1.31]
Hodgkins disease (201)	4	2.79	1.44	[0.39 - 3.67]
Multiple myeloma (203)	5	6.15	0.81	[0.26 - 1.90]
Leukemia & aleukemia (204-208)	12	12.4	0.97	[0.50 - 1.69]
Lymphoid leukemia (204)	1	2.45	0.41	[0.01 - 2.28]
Myeloid leukemia (205)	6	5.72	1.05	[0.39 - 2.28]
BENIGN NEOPLASMS (210-239)	3	8.3	0.36	[0.07 - 1.06]
DIS. OF ENDOCRINE SYSTEM & BLOOD (240-289)	27	30.28	0.89	[0.59 - 1.30]
MENTAL DISORDERS (290-319)	6	18.51	0.32	[0.12 - 0.71]
DIS. OF NERVOUS SYSTEM (320-389)	20	24.06	0.83	[0.51 - 1.28]
DIS. OF CIRCULATORY SYSTEM (390-459)	545	568.68	0.96	[0.88 - 1.04]
Hypertension (401-405)	22	18.07	1.22	[0.76 - 1.84]
Ischaemic heart disease (410-414)	286	273.57	1.05	[0.93 - 1.17]
Cerebrovascular (430-438)	132	164.04	0.80	[0.67 - 0.95]
Other heart diseases (4150,4152-4299)	52	58.13	0.89	[0.67 - 1.17]
DIS. OF RESPIRATORY SYSTEM (460-519)	80	86.8	0.92	[0.73 - 1.15]
Influenza (487)	7	4.07	1.72	[0.69 - 3.54]
Pneumonia (480-486)	48	47.88	1.00	[0.74 - 1.33]
Bronchitis,emphysema & asthma (490-493)	18	23.21	0.78	[0.46 - 1.23]
Pneumoconioses (500-508)	0	0.26	0.00	[0.00 - 14.1]
DIS. OF DIGESTIVE SYSTEM (520-579)	38	47.88	0.79	[0.56 - 1.09]
Liver cirrhosis (571)	9	12.5	0.72	[0.33 - 1.37]
DIS. OF GENITO-URINARY SYSTEM (580-629)	23	23.37	0.98	[0.62 - 1.48]
Nephritis & nephrosis (580-589)	5	8.51	0.59	[0.19 - 1.37]
DIS. OF THE SKIN (680-739)	8	11.22	0.71	[0.31 - 1.40]
SYMPTOMS AND ILL-DEFINED CONDITIONS (780-799)	20	29.35	0.68	[0.42 - 1.05]
EXTERNAL CAUSES (E800-999)	71	86.84	0.82	[0.64 - 1.03]
Traffic accident (E810-819)	13	15.71	0.83	[0.44 - 1.42]
Suicide (E950-959)	16	30.24	0.53	[0.30 - 0.86]
Homicide (E960-969)	1	2.81	0.36	[0.01 - 1.98]
Other external causes (E800-807,E820-949,E970-999)	41	38.09	1.08	[0.77 - 1.46]
UNKNOWN CAUSES	7			
OTHER CAUSES	19			

Table 2.10.18
Mortality by cause

TOTAL COHORT

Ever exposed to SLIM (slimicides)

Causes of death (ICD 9th.revision)	Observed	Expected	SMR	95% Confidence intervals
ALL CAUSES	3869	4247.99	0.91	[0.88 - 0.94]
ALL MALIGNANT NEOPLASMS (140-208)	940	1039.95	0.90	[0.85 - 0.96]
Oral cavity & pharynx (140-149)	12	24.6	0.49	[0.25 - 0.85]
Oral cavity (141,143-145)	6	9.98	0.60	[0.22 - 1.31]
Nasopharynx (147)	1	1.73	0.58	[0.01 - 3.22]
Oesophagus (150)	20	28.42	0.70	[0.43 - 1.09]
Stomach (151)	80	96.84	0.83	[0.66 - 1.03]
Colon (153)	58	70.84	0.82	[0.62 - 1.06]
Rectum (154)	42	45.85	0.92	[0.66 - 1.24]
Liver (155)	19	20.35	0.93	[0.56 - 1.46]
Gallbladder (156)	6	9.09	0.66	[0.24 - 1.44]
Pancreas (157)	62	52.81	1.17	[0.90 - 1.50]
Peritoneum and other unspecified organs(158-159)	5	5.15	0.97	[0.32 - 2.27]
Nose & sinuses (160)	3	3.49	0.86	[0.18 - 2.51]
Larynx (161)	13	13.18	0.99	[0.53 - 1.69]
Lung (162)	253	254.43	0.99	[0.88 - 1.12]
Pleura (163)	3	4.3	0.70	[0.14 - 2.04]
Other respiratory organs (164-165)	3	2.35	1.28	[0.26 - 3.73]
Bone (170)	2	4.29	0.47	[0.06 - 1.69]
Soft tissue (171)	5	4.47	1.12	[0.36 - 2.61]
Melanoma (172)	14	15.96	0.88	[0.48 - 1.47]
Other skin (173)	5	2.84	1.76	[0.57 - 4.11]
Breast (174-175)	26	29.58	0.88	[0.57 - 1.29]
Cervix uteri (180)	10	7.23	1.38	[0.66 - 2.54]
Corpus uteri & uterus unspecified (179,181-182)	4	4.47	0.89	[0.24 - 2.29]
Ovary (183)	8	11.57	0.69	[0.30 - 1.36]
Other female genital organs (184)	1	1.1	0.91	[0.02 - 5.07]
Prostate (185)	68	76.76	0.89	[0.69 - 1.12]
Testis (186)	4	4.97	0.81	[0.22 - 2.06]
Other male genital organs (187)	1	1.18	0.84	[0.02 - 4.70]
Bladder (188)	38	33.1	1.15	[0.81 - 1.58]
Kidney (189)	20	28.97	0.69	[0.42 - 1.07]
Eye (190)	0	1.55	0.00	[0.00 - 2.38]
Brain (191-192)	22	30.73	0.72	[0.45 - 1.08]
Thyroid (193)	1	3.09	0.32	[0.01 - 1.81]
Other endocrine glands (194)	0	1.44	0.00	[0.00 - 2.57]
Ill defined (195,199)	50	48.48	1.03	[0.77 - 1.36]
Lymphatic & hematopoietic tissue (200-208)	69	84.55	0.82	[0.63 - 1.03]
Non-Hodgkins lymphoma (200,202)	18	25.44	0.71	[0.42 - 1.12]
Hodgkins disease (201)	8	8.23	0.97	[0.42 - 1.92]
Multiple myeloma (203)	16	16.33	0.98	[0.56 - 1.59]
Leukemia & aleukemia (204-208)	27	33.69	0.80	[0.53 - 1.17]
Lymphoid leukemia (204)	4	8.33	0.48	[0.13 - 1.23]
Myeloid leukemia (205)	15	14.77	1.02	[0.57 - 1.68]
BENIGN NEOPLASMS (210-239)	13	18.68	0.70	[0.37 - 1.19]
DIS. OF ENDOCRINE SYSTEM & BLOOD (240-289)	46	69.99	0.66	[0.48 - 0.88]
MENTAL DISORDERS (290-319)	35	48.91	0.72	[0.50 - 1.00]
DIS. OF NERVOUS SYSTEM (320-389)	41	60.7	0.68	[0.48 - 0.92]
DIS. OF CIRCULATORY SYSTEM (390-459)	1827	1875.45	0.97	[0.93 - 1.02]
Hypertension (401-405)	31	41.19	0.75	[0.51 - 1.07]
Ischaemic heart disease (410-414)	1185	1171.75	1.01	[0.95 - 1.07]
Cerebrovascular (430-438)	337	365.06	0.92	[0.83 - 1.03]
Other heart diseases (4150,4152-4299)	131	153.54	0.85	[0.71 - 1.01]
DIS. OF RESPIRATORY SYSTEM (460-519)	221	280.67	0.79	[0.69 - 0.90]
Influenza (487)	3	8.06	0.37	[0.08 - 1.09]
Pneumonia (480-486)	87	120.62	0.72	[0.58 - 0.89]
Bronchitis,emphysema & asthma (490-493)	96	98.49	0.97	[0.79 - 1.19]
Pneumoconioses (500-508)	2	4.34	0.46	[0.06 - 1.66]
DIS. OF DIGESTIVE SYSTEM (520-579)	128	154.58	0.83	[0.69 - 0.98]
Liver cirrhosis (571)	44	61.16	0.72	[0.52 - 0.97]
DIS. OF GENITO-URINARY SYSTEM (580-629)	40	55.33	0.72	[0.52 - 0.98]
Nephritis & nephrosis (580-589)	12	24.59	0.49	[0.25 - 0.85]
DIS. OF THE SKIN (680-739)	10	15.69	0.64	[0.31 - 1.17]
SYMPTOMS AND ILL-DEFINED CONDITIONS (780-799)	85	117.58	0.72	[0.58 - 0.89]
EXTERNAL CAUSES (E800-999)	402	457.22	0.88	[0.80 - 0.97]
Traffic accident (E810-819)	74	90.71	0.82	[0.64 - 1.02]
Suicide (E950-959)	102	141.51	0.72	[0.59 - 0.88]
Homicide (E960-969)	13	11.9	1.09	[0.58 - 1.87]
Other external causes (E800-807,E820-949,E970-999)	213	213.11	1.00	[0.87 - 1.14]
UNKNOWN CAUSES	25			
OTHER CAUSES	56			

Table 2.10.18
Mortality by cause

TOTAL COHORT
Ever exposed to SLIM (slimicides)
Men

Causes of death (ICD 9th.revision)	Observed	Expected	SMR	95% Confidence intervals
ALL CAUSES	3421	3712.92	0.92	[0.89 - 0.95]
ALL MALIGNANT NEOPLASMS (140-208)	794	889.81	0.89	[0.83 - 0.96]
Oral cavity & pharynx (140-149)	11	23.1	0.48	[0.24 - 0.85]
Oral cavity (141,143-145)	5	9.29	0.54	[0.17 - 1.26]
Nasopharynx (147)	1	1.61	0.62	[0.02 - 3.46]
Oesophagus (150)	18	26.06	0.69	[0.41 - 1.09]
Stomach (151)	71	85.79	0.83	[0.65 - 1.04]
Colon (153)	52	59.38	0.88	[0.65 - 1.15]
Rectum (154)	38	39.97	0.95	[0.67 - 1.31]
Liver (155)	15	17.86	0.84	[0.47 - 1.39]
Gallbladder (156)	5	6.41	0.78	[0.25 - 1.82]
Pancreas (157)	53	45.06	1.18	[0.88 - 1.54]
Peritoneum and other unspecified organs(158-159)	3	4.18	0.72	[0.15 - 2.10]
Nose & sinuses (160)	3	3.26	0.92	[0.19 - 2.69]
Larynx (161)	13	12.9	1.01	[0.54 - 1.72]
Lung (162)	230	239.69	0.96	[0.84 - 1.09]
Pleura (163)	3	4.06	0.74	[0.15 - 2.16]
Other respiratory organs (164-165)	3	2.15	1.40	[0.29 - 4.09]
Bone (170)	2	3.81	0.53	[0.06 - 1.90]
Soft tissue (171)	4	3.78	1.06	[0.29 - 2.71]
Melanoma (172)	12	13.83	0.87	[0.45 - 1.52]
Other skin (173)	4	2.48	1.61	[0.44 - 4.13]
Breast (174-175)	0	0.88	0.00	[0.00 - 4.19]
Cervix uteri (180)	0	-	-	-
Corpus uteri & uterus unspecified (179,181-182)	0	-	-	-
Ovary (183)	0	-	-	-
Other female genital organs (184)	0	-	-	-
Prostate (185)	68	76.76	0.89	[0.69 - 1.12]
Testis (186)	4	4.97	0.81	[0.22 - 2.06]
Other male genital organs (187)	1	1.18	0.84	[0.02 - 4.70]
Bladder (188)	36	30.95	1.16	[0.81 - 1.61]
Kidney (189)	16	25.58	0.63	[0.36 - 1.02]
Eye (190)	0	1.29	0.00	[0.00 - 2.87]
Brain (191-192)	20	26.5	0.75	[0.46 - 1.17]
Thyroid (193)	1	2.24	0.45	[0.01 - 2.48]
Other endocrine glands (194)	0	1.2	0.00	[0.00 - 3.07]
Ill defined (195,199)	41	41.69	0.98	[0.71 - 1.33]
Lymphatic & hematopoietic tissue (200-208)	59	72.78	0.81	[0.62 - 1.05]
Non-Hodgkins lymphoma (200,202)	15	21.86	0.69	[0.38 - 1.13]
Hodgkins disease (201)	6	7.23	0.83	[0.30 - 1.81]
Multiple myeloma (203)	15	13.92	1.08	[0.60 - 1.78]
Leukemia & aleukemia (204-208)	23	29.06	0.79	[0.50 - 1.19]
Lymphoid leukemia (204)	4	7.37	0.54	[0.15 - 1.39]
Myeloid leukemia (205)	12	12.55	0.96	[0.49 - 1.67]
BENIGN NEOPLASMS (210-239)	13	15.75	0.83	[0.44 - 1.41]
DIS. OF ENDOCRINE SYSTEM & BLOOD (240-289)	40	58.44	0.68	[0.49 - 0.93]
MENTAL DISORDERS (290-319)	32	40.34	0.79	[0.54 - 1.12]
DIS. OF NERVOUS SYSTEM (320-389)	35	51.22	0.68	[0.48 - 0.95]
DIS. OF CIRCULATORY SYSTEM (390-459)	1622	1639.65	0.99	[0.94 - 1.04]
Hypertension (401-405)	25	34.03	0.73	[0.48 - 1.08]
Ischaemic heart disease (410-414)	1069	1057.15	1.01	[0.95 - 1.07]
Cerebrovascular (430-438)	285	295.95	0.96	[0.85 - 1.08]
Other heart diseases (4150,4152-4299)	113	130.49	0.87	[0.71 - 1.04]
DIS. OF RESPIRATORY SYSTEM (460-519)	192	245.02	0.78	[0.68 - 0.90]
Influenza (487)	2	6.55	0.31	[0.04 - 1.10]
Pneumonia (480-486)	67	100	0.67	[0.52 - 0.85]
Bronchitis,emphysema & asthma (490-493)	90	90.08	1.00	[0.80 - 1.23]
Pneumoconioses (500-508)	2	4.22	0.47	[0.06 - 1.71]
DIS. OF DIGESTIVE SYSTEM (520-579)	114	136.45	0.84	[0.69 - 1.00]
Liver cirrhosis (571)	41	56.81	0.72	[0.52 - 0.98]
DIS. OF GENITO-URINARY SYSTEM (580-629)	37	46.38	0.80	[0.56 - 1.10]
Nephritis & nephrosis (580-589)	12	21	0.57	[0.30 - 1.00]
DIS. OF THE SKIN (680-739)	8	11	0.73	[0.31 - 1.43]
SYMPTOMS AND ILL-DEFINED CONDITIONS (780-799)	79	109.28	0.72	[0.57 - 0.90]
EXTERNAL CAUSES (E800-999)	378	424.51	0.89	[0.80 - 0.98]
Traffic accident (E810-819)	68	84.97	0.80	[0.62 - 1.01]
Suicide (E950-959)	98	130.66	0.75	[0.61 - 0.91]
Homicide (E960-969)	12	10.74	1.12	[0.58 - 1.95]
Other external causes (E800-807,E820-949,E970-999)	200	198.14	1.01	[0.87 - 1.16]
UNKNOWN CAUSES	25			
OTHER CAUSES	52			

Table 2.10.18
Mortality by cause

TOTAL COHORT

Ever exposed to SLIM (slimicides)

Women

Causes of death (ICD 9th.revision)	Observed	Expected	SMR	95% Confidence intervals
ALL CAUSES	448	535.07	0.84	[0.76 - 0.92]
ALL MALIGNANT NEOPLASMS (140-208)	146	150.14	0.97	[0.82 - 1.14]
Oral cavity & pharynx (140-149)	1	1.49	0.67	[0.02 - 3.73]
Oral cavity (141,143-145)	1	0.69	1.45	[0.04 - 8.07]
Nasopharynx (147)	0	0.12	0.00	[0.00 - 31.3]
Oesophagus (150)	2	2.36	0.85	[0.10 - 3.06]
Stomach (151)	9	11.05	0.81	[0.37 - 1.55]
Colon (153)	6	11.46	0.52	[0.19 - 1.14]
Rectum (154)	4	5.88	0.68	[0.19 - 1.74]
Liver (155)	4	2.5	1.60	[0.44 - 4.10]
Gallbladder (156)	1	2.68	0.37	[0.01 - 2.08]
Pancreas (157)	9	7.75	1.16	[0.53 - 2.21]
Peritoneum and other unspecified organs(158-159)	2	0.97	2.06	[0.25 - 7.46]
Nose & sinuses (160)	0	0.23	0.00	[0.00 - 16.0]
Larynx (161)	0	0.28	0.00	[0.00 - 13.1]
Lung (162)	23	14.74	1.56	[0.99 - 2.34]
Pleura (163)	0	0.24	0.00	[0.00 - 15.1]
Other respiratory organs (164-165)	0	0.2	0.00	[0.00 - 18.0]
Bone (170)	0	0.48	0.00	[0.00 - 7.66]
Soft tissue (171)	1	0.68	1.47	[0.04 - 8.19]
Melanoma (172)	2	2.13	0.94	[0.11 - 3.40]
Other skin (173)	1	0.36	2.81	[0.07 - 15.7]
Breast (174-175)	26	28.7	0.91	[0.59 - 1.33]
Cervix uteri (180)	10	7.23	1.38	[0.66 - 2.54]
Corpus uteri & uterus unspecified (179,181-182)	4	4.47	0.89	[0.24 - 2.29]
Ovary (183)	8	11.57	0.69	[0.30 - 1.36]
Other female genital organs (184)	1	1.1	0.91	[0.02 - 5.07]
Prostate (185)	0	-	-	-
Testis (186)	0	-	-	-
Other male genital organs (187)	0	-	-	-
Bladder (188)	2	2.15	0.93	[0.11 - 3.37]
Kidney (189)	4	3.39	1.18	[0.32 - 3.02]
Eye (190)	0	0.26	0.00	[0.00 - 14.0]
Brain (191-192)	2	4.23	0.47	[0.06 - 1.71]
Thyroid (193)	0	0.84	0.00	[0.00 - 4.38]
Other endocrine glands (194)	0	0.24	0.00	[0.00 - 15.5]
Ill defined (195,199)	9	6.79	1.33	[0.61 - 2.52]
Lymphatic & hematopoietic tissue (200-208)	10	11.77	0.85	[0.41 - 1.56]
Non-Hodgkins lymphoma (200,202)	3	3.58	0.84	[0.17 - 2.45]
Hodgkins disease (201)	2	1	2.00	[0.24 - 7.21]
Multiple myeloma (203)	1	2.41	0.41	[0.01 - 2.31]
Leukemia & aleukemia (204-208)	4	4.63	0.86	[0.24 - 2.21]
Lymphoid leukemia (204)	0	0.96	0.00	[0.00 - 3.84]
Myeloid leukemia (205)	3	2.22	1.35	[0.28 - 3.95]
BENIGN NEOPLASMS (210-239)	0	2.93	0.00	[0.00 - 1.26]
DIS. OF ENDOCRINE SYSTEM & BLOOD (240-289)	6	11.55	0.52	[0.19 - 1.13]
MENTAL DISORDERS (290-319)	3	8.57	0.35	[0.07 - 1.02]
DIS. OF NERVOUS SYSTEM (320-389)	6	9.48	0.63	[0.23 - 1.38]
DIS. OF CIRCULATORY SYSTEM (390-459)	205	235.8	0.87	[0.75 - 1.00]
Hypertension (401-405)	6	7.16	0.84	[0.31 - 1.82]
Ischaemic heart disease (410-414)	116	114.59	1.01	[0.84 - 1.21]
Cerebrovascular (430-438)	52	69.11	0.75	[0.56 - 0.99]
Other heart diseases (4150,4152-4299)	18	23.05	0.78	[0.46 - 1.23]
DIS. OF RESPIRATORY SYSTEM (460-519)	29	35.64	0.81	[0.54 - 1.17]
Influenza (487)	1	1.51	0.66	[0.02 - 3.69]
Pneumonia (480-486)	20	20.62	0.97	[0.59 - 1.50]
Bronchitis,emphysema & asthma (490-493)	6	8.42	0.71	[0.26 - 1.55]
Pneumoconioses (500-508)	0	0.12	0.00	[0.00 - 29.7]
DIS. OF DIGESTIVE SYSTEM (520-579)	14	18.13	0.77	[0.42 - 1.30]
Liver cirrhosis (571)	3	4.35	0.69	[0.14 - 2.01]
DIS. OF GENITO-URINARY SYSTEM (580-629)	3	8.95	0.34	[0.07 - 0.98]
Nephritis & nephrosis (580-589)	0	3.59	0.00	[0.00 - 1.03]
DIS. OF THE SKIN (680-739)	2	4.69	0.43	[0.05 - 1.54]
SYMPTOMS AND ILL-DEFINED CONDITIONS (780-799)	6	8.31	0.72	[0.27 - 1.57]
EXTERNAL CAUSES (E800-999)	24	32.72	0.73	[0.47 - 1.09]
Traffic accident (E810-819)	6	5.74	1.04	[0.38 - 2.27]
Suicide (E950-959)	4	10.85	0.37	[0.10 - 0.94]
Homicide (E960-969)	1	1.16	0.86	[0.02 - 4.81]
Other external causes (E800-807,E820-949,E970-999)	13	14.97	0.87	[0.46 - 1.48]
UNKNOWN CAUSES	0			
OTHER CAUSES	4			

Table 2.10.19
Mortality by cause

TOTAL COHORT

Ever exposed to SO2 (sulfure dioxide)

Causes of death (ICD 9th.revision)	Observed	Expected	SMR	95% Confidence intervals
ALL CAUSES	7613	8613.54	0.88	[0.86 - 0.90]
ALL MALIGNANT NEOPLASMS (140-208)	1770	1940.07	0.91	[0.87 - 0.96]
Oral cavity & pharynx (140-149)	35	46.76	0.75	[0.52 - 1.04]
Oral cavity (141,143-145)	18	17.88	1.01	[0.60 - 1.59]
Nasopharynx (147)	2	3.03	0.66	[0.08 - 2.39]
Oesophagus (150)	28	48.31	0.58	[0.39 - 0.84]
Stomach (151)	172	214.96	0.80	[0.69 - 0.93]
Colon (153)	112	121.96	0.92	[0.76 - 1.10]
Rectum (154)	67	83.4	0.80	[0.62 - 1.02]
Liver (155)	37	40.51	0.91	[0.64 - 1.26]
Gallbladder (156)	11	17.14	0.64	[0.32 - 1.15]
Pancreas (157)	87	103.77	0.84	[0.67 - 1.03]
Peritoneum and other unspecified organs(158-159)	7	9.98	0.70	[0.28 - 1.44]
Nose & sinuses (160)	6	6.99	0.86	[0.31 - 1.87]
Larynx (161)	25	25.79	0.97	[0.63 - 1.43]
Lung (162)	488	450.36	1.08	[0.99 - 1.18]
Pleura (163)	18	7.62	2.36	[1.40 - 3.74]
Other respiratory organs (164-165)	9	4.84	1.86	[0.85 - 3.53]
Bone (170)	4	8.05	0.50	[0.14 - 1.27]
Soft tissue (171)	8	8.47	0.94	[0.41 - 1.86]
Melanoma (172)	26	30.45	0.85	[0.56 - 1.25]
Other skin (173)	5	5.82	0.86	[0.28 - 2.01]
Breast (174-175)	33	26.46	1.25	[0.86 - 1.75]
Cervix uteri (180)	4	6.49	0.62	[0.17 - 1.58]
Corpus uteri & uterus unspecified (179,181-182)	6	4.81	1.25	[0.46 - 2.72]
Ovary (183)	6	10.57	0.57	[0.21 - 1.24]
Other female genital organs (184)	2	1.2	1.67	[0.20 - 6.02]
Prostate (185)	149	186.32	0.80	[0.68 - 0.94]
Testis (186)	7	8.09	0.87	[0.35 - 1.78]
Other male genital organs (187)	5	2.13	2.35	[0.76 - 5.48]
Bladder (188)	54	60.09	0.90	[0.68 - 1.17]
Kidney (189)	59	55.95	1.05	[0.80 - 1.36]
Eye (190)	2	3.04	0.66	[0.08 - 2.37]
Brain (191-192)	42	52.73	0.80	[0.57 - 1.08]
Thyroid (193)	5	5.97	0.84	[0.27 - 1.95]
Other endocrine glands (194)	3	2.7	1.11	[0.23 - 3.25]
Ill defined (195,199)	77	85.81	0.90	[0.71 - 1.12]
Lymphatic & heamatopoietic tissue (200-208)	146	165.42	0.88	[0.75 - 1.04]
Non-Hodgkins lymphoma (200,202)	45	47.98	0.94	[0.68 - 1.25]
Hodgkins disease (201)	13	15.51	0.84	[0.45 - 1.43]
Multiple myeloma (203)	29	33.48	0.87	[0.58 - 1.24]
Leukemia & aleukemia (204-208)	59	65.79	0.90	[0.68 - 1.16]
Lymphoid leukemia (204)	10	16.27	0.61	[0.29 - 1.13]
Myeloid leukemia (205)	27	26.26	1.03	[0.68 - 1.50]
BENIGN NEOPLASMS (210-239)	28	37.27	0.75	[0.50 - 1.09]
DIS. OF ENDOCRINE SYSTEM & BLOOD (240-289)	93	133.69	0.70	[0.56 - 0.85]
MENTAL DISORDERS (290-319)	51	100.25	0.51	[0.38 - 0.67]
DIS. OF NERVOUS SYSTEM (320-389)	107	118.21	0.91	[0.74 - 1.09]
DIS. OF CIRCULATORY SYSTEM (390-459)	3681	3954.3	0.93	[0.90 - 0.96]
Hypertension (401-405)	77	92.19	0.84	[0.66 - 1.04]
Ischaemic heart disease (410-414)	2305	2457.01	0.94	[0.90 - 0.98]
Cerebrovascular (430-438)	610	765.22	0.80	[0.74 - 0.86]
Other heart diseases (4150,4152-4299)	261	343.84	0.76	[0.67 - 0.86]
DIS. OF RESPIRATORY SYSTEM (460-519)	430	559.26	0.77	[0.70 - 0.85]
Influenza (487)	13	18.29	0.71	[0.38 - 1.22]
Pneumonia (480-486)	186	271.62	0.68	[0.59 - 0.79]
Bronchitis,emphysema & asthma (490-493)	143	179.72	0.80	[0.67 - 0.94]
Pneumoconioses (500-508)	2	6.7	0.30	[0.04 - 1.08]
DIS. OF DIGESTIVE SYSTEM (520-579)	227	295.15	0.77	[0.67 - 0.88]
Liver cirrhosis (571)	82	103.68	0.79	[0.63 - 0.98]
DIS. OF GENITO-URINARY SYSTEM (580-629)	92	120.79	0.76	[0.61 - 0.93]
Nephritis & nephrosis (580-589)	36	54.09	0.67	[0.47 - 0.92]
DIS. OF THE SKIN (680-739)	19	29.78	0.64	[0.38 - 1.00]
SYMPTOMS AND ILL-DEFINED CONDITIONS (780-799)	200	263.48	0.76	[0.66 - 0.87]
EXTERNAL CAUSES (E800-999)	732	928.4	0.79	[0.73 - 0.85]
Traffic accident (E810-819)	116	179.2	0.65	[0.53 - 0.78]
Suicide (E950-959)	174	260.59	0.67	[0.57 - 0.77]
Homicide (E960-969)	18	33.7	0.53	[0.32 - 0.84]
Other external causes (E800-807,E820-949,E970-999)	424	454.93	0.93	[0.85 - 1.03]
UNKNOWN CAUSES	26			
OTHER CAUSES	157			

Table 2.10.19
Mortality by cause

TOTAL COHORT

Ever exposed to SO2 (sulfure dioxide)

Men

Causes of death (ICD 9th.revision)	Observed	Expected	SMR	95% Confidence intervals
ALL CAUSES	7178	8061.38	0.89	[0.87 - 0.91]
ALL MALIGNANT NEOPLASMS (140-208)	1646	1800.76	0.91	[0.87 - 0.96]
Oral cavity & pharynx (140-149)	33	45.32	0.73	[0.50 - 1.02]
Oral cavity (141,143-145)	16	17.2	0.93	[0.53 - 1.51]
Nasopharynx (147)	2	2.92	0.69	[0.08 - 2.48]
Oesophagus (150)	28	46.23	0.61	[0.40 - 0.88]
Stomach (151)	162	202.59	0.80	[0.68 - 0.93]
Colon (153)	106	112.06	0.95	[0.77 - 1.14]
Rectum (154)	64	77.83	0.82	[0.63 - 1.05]
Liver (155)	32	37.56	0.85	[0.58 - 1.20]
Gallbladder (156)	11	13.99	0.79	[0.39 - 1.41]
Pancreas (157)	79	95.67	0.83	[0.65 - 1.03]
Peritoneum and other unspecified organs(158-159)	6	8.79	0.68	[0.25 - 1.49]
Nose & sinuses (160)	6	6.74	0.89	[0.33 - 1.94]
Larynx (161)	25	25.6	0.98	[0.63 - 1.44]
Lung (162)	476	441.07	1.08	[0.98 - 1.18]
Pleura (163)	17	7.35	2.31	[1.35 - 3.70]
Other respiratory organs (164-165)	9	4.63	1.94	[0.89 - 3.69]
Bone (170)	4	7.57	0.53	[0.14 - 1.35]
Soft tissue (171)	7	7.78	0.90	[0.36 - 1.85]
Melanoma (172)	25	28.46	0.88	[0.57 - 1.30]
Other skin (173)	5	5.46	0.92	[0.30 - 2.14]
Breast (174-175)	2	1.5	1.34	[0.16 - 4.83]
Cervix uteri (180)	0	-	-	-
Corpus uteri & uterus unspecified (179,181-182)	0	-	-	-
Ovary (183)	0	-	-	-
Other female genital organs (184)	0	-	-	-
Prostate (185)	149	186.32	0.80	[0.68 - 0.94]
Testis (186)	7	8.09	0.87	[0.35 - 1.78]
Other male genital organs (187)	5	2.13	2.35	[0.76 - 5.48]
Bladder (188)	53	58.33	0.91	[0.68 - 1.19]
Kidney (189)	56	52.51	1.07	[0.81 - 1.38]
Eye (190)	2	2.78	0.72	[0.09 - 2.60]
Brain (191-192)	42	48.94	0.86	[0.62 - 1.16]
Thyroid (193)	5	4.99	1.00	[0.33 - 2.34]
Other endocrine glands (194)	3	2.47	1.21	[0.25 - 3.54]
Ill defined (195,199)	68	79.59	0.85	[0.66 - 1.08]
Lymphatic & heamatopoietic tissue (200-208)	139	153.34	0.91	[0.76 - 1.07]
Non-Hodgkins lymphoma (200,202)	45	44.37	1.01	[0.74 - 1.36]
Hodgkins disease (201)	11	14.57	0.76	[0.38 - 1.35]
Multiple myeloma (203)	29	30.85	0.94	[0.63 - 1.35]
Leukemia & aleukemia (204-208)	54	61.07	0.88	[0.66 - 1.15]
Lymphoid leukemia (204)	9	15.25	0.59	[0.27 - 1.12]
Myeloid leukemia (205)	25	24.15	1.04	[0.67 - 1.53]
BENIGN NEOPLASMS (210-239)	27	34	0.79	[0.52 - 1.16]
DIS. OF ENDOCRINE SYSTEM & BLOOD (240-289)	84	121.64	0.69	[0.55 - 0.85]
MENTAL DISORDERS (290-319)	50	88.24	0.57	[0.42 - 0.75]
DIS. OF NERVOUS SYSTEM (320-389)	101	108.4	0.93	[0.76 - 1.13]
DIS. OF CIRCULATORY SYSTEM (390-459)	3485	3695.57	0.94	[0.91 - 0.97]
Hypertension (401-405)	69	83.06	0.83	[0.65 - 1.05]
Ischaemic heart disease (410-414)	2206	2334.04	0.95	[0.91 - 0.99]
Cerebrovascular (430-438)	567	689.51	0.82	[0.76 - 0.89]
Other heart diseases (4150,4152-4299)	244	315.19	0.77	[0.68 - 0.88]
DIS. OF RESPIRATORY SYSTEM (460-519)	404	525.02	0.77	[0.70 - 0.85]
Influenza (487)	11	16.49	0.67	[0.33 - 1.19]
Pneumonia (480-486)	170	249.09	0.68	[0.58 - 0.79]
Bronchitis,emphysema & asthma (490-493)	140	173.31	0.81	[0.68 - 0.95]
Pneumoconioses (500-508)	2	6.59	0.30	[0.04 - 1.10]
DIS. OF DIGESTIVE SYSTEM (520-579)	212	276.58	0.77	[0.67 - 0.88]
Liver cirrhosis (571)	80	99.81	0.80	[0.64 - 1.00]
DIS. OF GENITO-URINARY SYSTEM (580-629)	84	110.88	0.76	[0.60 - 0.94]
Nephritis & nephrosis (580-589)	34	50.5	0.67	[0.47 - 0.94]
DIS. OF THE SKIN (680-739)	15	24.69	0.61	[0.34 - 1.00]
SYMPTOMS AND ILL-DEFINED CONDITIONS (780-799)	196	254.96	0.77	[0.66 - 0.88]
EXTERNAL CAUSES (E800-999)	700	897.51	0.78	[0.72 - 0.84]
Traffic accident (E810-819)	111	173.52	0.64	[0.53 - 0.77]
Suicide (E950-959)	170	251.6	0.68	[0.58 - 0.79]
Homicide (E960-969)	17	32.59	0.52	[0.30 - 0.84]
Other external causes (E800-807,E820-949,E970-999)	402	439.82	0.91	[0.83 - 1.01]
UNKNOWN CAUSES	25			
OTHER CAUSES	149			

Table 2.10.19
Mortality by cause

TOTAL COHORT

Ever exposed to SO2 (sulfure dioxide)

Women

Causes of death (ICD 9th.revision)	Observed	Expected	SMR	95% Confidence intervals
ALL CAUSES	435	552.16	0.79	[0.72 - 0.87]
ALL MALIGNANT NEOPLASMS (140-208)	124	139.31	0.89	[0.74 - 1.06]
Oral cavity & pharynx (140-149)	2	1.44	1.39	[0.17 - 5.01]
Oral cavity (141,143-145)	2	0.68	2.93	[0.35 - 10.6]
Nasopharynx (147)	0	0.11	0.00	[0.00 - 32.9]
Oesophagus (150)	0	2.08	0.00	[0.00 - 1.77]
Stomach (151)	10	12.37	0.81	[0.39 - 1.49]
Colon (153)	6	9.9	0.61	[0.22 - 1.32]
Rectum (154)	3	5.58	0.54	[0.11 - 1.57]
Liver (155)	5	2.95	1.69	[0.55 - 3.96]
Gallbladder (156)	0	3.15	0.00	[0.00 - 1.17]
Pancreas (157)	8	8.1	0.99	[0.43 - 1.95]
Peritoneum and other unspecified organs(158-159)	1	1.19	0.84	[0.02 - 4.67]
Nose & sinuses (160)	0	0.26	0.00	[0.00 - 14.3]
Larynx (161)	0	0.19	0.00	[0.00 - 19.2]
Lung (162)	12	9.3	1.29	[0.67 - 2.26]
Pleura (163)	1	0.27	3.74	[0.09 - 20.9]
Other respiratory organs (164-165)	0	0.2	0.00	[0.00 - 18.0]
Bone (170)	0	0.48	0.00	[0.00 - 7.72]
Soft tissue (171)	1	0.69	1.45	[0.04 - 8.10]
Melanoma (172)	1	1.99	0.50	[0.01 - 2.80]
Other skin (173)	0	0.36	0.00	[0.00 - 10.4]
Breast (174-175)	31	24.96	1.24	[0.84 - 1.76]
Cervix uteri (180)	4	6.49	0.62	[0.17 - 1.58]
Corpus uteri & uterus unspecified (179,181-182)	6	4.81	1.25	[0.46 - 2.72]
Ovary (183)	6	10.57	0.57	[0.21 - 1.24]
Other female genital organs (184)	2	1.2	1.67	[0.20 - 6.02]
Prostate (185)	0	-	-	-
Testis (186)	0	-	-	-
Other male genital organs (187)	0	-	-	-
Bladder (188)	1	1.76	0.57	[0.01 - 3.16]
Kidney (189)	3	3.44	0.87	[0.18 - 2.55]
Eye (190)	0	0.26	0.00	[0.00 - 14.0]
Brain (191-192)	0	3.79	0.00	[0.00 - 0.97]
Thyroid (193)	0	0.98	0.00	[0.00 - 3.75]
Other endocrine glands (194)	0	0.23	0.00	[0.00 - 16.2]
Ill defined (195,199)	9	6.21	1.45	[0.66 - 2.75]
Lymphatic & heamatopoietic tissue (200-208)	7	12.07	0.58	[0.23 - 1.19]
Non-Hodgkins lymphoma (200,202)	0	3.62	0.00	[0.00 - 1.02]
Hodgkins disease (201)	2	0.94	2.12	[0.26 - 7.67]
Multiple myeloma (203)	0	2.63	0.00	[0.00 - 1.40]
Leukemia & aleukemia (204-208)	5	4.72	1.06	[0.34 - 2.47]
Lymphoid leukemia (204)	1	1.02	0.98	[0.02 - 5.46]
Myeloid leukemia (205)	2	2.12	0.94	[0.11 - 3.41]
BENIGN NEOPLASMS (210-239)	1	3.28	0.31	[0.01 - 1.70]
DIS. OF ENDOCRINE SYSTEM & BLOOD (240-289)	9	12.06	0.75	[0.34 - 1.42]
MENTAL DISORDERS (290-319)	1	12.01	0.08	[0.00 - 0.46]
DIS. OF NERVOUS SYSTEM (320-389)	6	9.81	0.61	[0.22 - 1.33]
DIS. OF CIRCULATORY SYSTEM (390-459)	196	258.73	0.76	[0.66 - 0.87]
Hypertension (401-405)	8	9.13	0.88	[0.38 - 1.73]
Ischaemic heart disease (410-414)	99	122.98	0.81	[0.65 - 0.98]
Cerebrovascular (430-438)	43	75.72	0.57	[0.41 - 0.76]
Other heart diseases (4150,4152-4299)	17	28.65	0.59	[0.35 - 0.95]
DIS. OF RESPIRATORY SYSTEM (460-519)	26	34.24	0.76	[0.50 - 1.11]
Influenza (487)	2	1.8	1.11	[0.13 - 4.01]
Pneumonia (480-486)	16	22.52	0.71	[0.41 - 1.15]
Bronchitis,emphysema & asthma (490-493)	3	6.41	0.47	[0.10 - 1.37]
Pneumoconioses (500-508)	0	0.11	0.00	[0.00 - 32.3]
DIS. OF DIGESTIVE SYSTEM (520-579)	15	18.57	0.81	[0.45 - 1.33]
Liver cirrhosis (571)	2	3.87	0.52	[0.06 - 1.87]
DIS. OF GENITO-URINARY SYSTEM (580-629)	8	9.91	0.81	[0.35 - 1.59]
Nephritis & nephrosis (580-589)	2	3.59	0.56	[0.07 - 2.01]
DIS. OF THE SKIN (680-739)	4	5.09	0.79	[0.21 - 2.01]
SYMPTOMS AND ILL-DEFINED CONDITIONS (780-799)	4	8.53	0.47	[0.13 - 1.20]
EXTERNAL CAUSES (E800-999)	32	30.88	1.04	[0.71 - 1.46]
Traffic accident (E810-819)	5	5.68	0.88	[0.29 - 2.05]
Suicide (E950-959)	4	8.98	0.45	[0.12 - 1.14]
Homicide (E960-969)	1	1.11	0.90	[0.02 - 5.03]
Other external causes (E800-807,E820-949,E970-999)	22	15.11	1.46	[0.91 - 2.20]
UNKNOWN CAUSES	1			
OTHER CAUSES	8			

Table 2.10.20
Mortality by cause

TOTAL COHORT

Ever exposed to SOLD (nonchlorinated organic solvent, dermal)

Causes of death (ICD 9th.revision)	Observed	Expected	SMR	95% Confidence intervals
ALL CAUSES	10485	11542.8	0.91	[0.89 - 0.93]
ALL MALIGNANT NEOPLASMS (140-208)	2560	2755.48	0.93	[0.89 - 0.97]
Oral cavity & pharynx (140-149)	44	62.73	0.70	[0.51 - 0.94]
Oral cavity (141,143-145)	21	25.42	0.83	[0.51 - 1.26]
Nasopharynx (147)	3	4.47	0.67	[0.14 - 1.96]
Oesophagus (150)	54	70.44	0.77	[0.58 - 1.00]
Stomach (151)	225	272.09	0.83	[0.72 - 0.94]
Colon (153)	169	182.78	0.92	[0.79 - 1.07]
Rectum (154)	111	121.26	0.92	[0.75 - 1.10]
Liver (155)	38	52.05	0.73	[0.52 - 1.00]
Gallbladder (156)	17	23.92	0.71	[0.41 - 1.14]
Pancreas (157)	122	141.48	0.86	[0.72 - 1.03]
Peritoneum and other unspecified organs(158-159)	10	14.25	0.70	[0.34 - 1.29]
Nose & sinuses (160)	9	9.03	1.00	[0.46 - 1.89]
Larynx (161)	28	34.16	0.82	[0.54 - 1.18]
Lung (162)	680	668.13	1.02	[0.94 - 1.10]
Pleura (163)	23	11.17	2.06	[1.31 - 3.09]
Other respiratory organs (164-165)	11	6.71	1.64	[0.82 - 2.93]
Bone (170)	2	11.23	0.18	[0.02 - 0.64]
Soft tissue (171)	15	11.79	1.27	[0.71 - 2.10]
Melanoma (172)	43	42.96	1.00	[0.72 - 1.35]
Other skin (173)	6	7.89	0.76	[0.28 - 1.66]
Breast (174-175)	67	66.87	1.00	[0.78 - 1.27]
Cervix uteri (180)	18	17.35	1.04	[0.61 - 1.64]
Corpus uteri & uterus unspecified (179,181-182)	6	10.47	0.57	[0.21 - 1.25]
Ovary (183)	24	26.08	0.92	[0.59 - 1.37]
Other female genital organs (184)	3	2.47	1.21	[0.25 - 3.55]
Prostate (185)	191	228	0.84	[0.72 - 0.97]
Testis (186)	10	12.98	0.77	[0.37 - 1.42]
Other male genital organs (187)	6	3.12	1.92	[0.71 - 4.19]
Bladder (188)	96	88.6	1.08	[0.88 - 1.32]
Kidney (189)	62	77.67	0.80	[0.61 - 1.02]
Eye (190)	3	4.23	0.71	[0.15 - 2.07]
Brain (191-192)	79	78.76	1.00	[0.79 - 1.25]
Thyroid (193)	6	8.3	0.72	[0.27 - 1.57]
Other endocrine glands (194)	3	3.96	0.76	[0.16 - 2.21]
Ill defined (195,199)	126	125	1.01	[0.84 - 1.20]
Lymphatic & hematopoietic tissue (200-208)	212	226.64	0.94	[0.81 - 1.07]
Non-Hodgkins lymphoma (200,202)	59	67.11	0.88	[0.67 - 1.13]
Hodgkins disease (201)	24	22.02	1.09	[0.70 - 1.62]
Multiple myeloma (203)	43	44.4	0.97	[0.70 - 1.30]
Leukemia & aleukemia (204-208)	86	90.99	0.95	[0.76 - 1.17]
Lymphoid leukemia (204)	15	22.89	0.66	[0.37 - 1.08]
Myeloid leukemia (205)	35	38.25	0.91	[0.64 - 1.27]
BENIGN NEOPLASMS (210-239)	40	50.86	0.79	[0.56 - 1.07]
DIS. OF ENDOCRINE SYSTEM & BLOOD (240-289)	141	187.88	0.75	[0.63 - 0.89]
MENTAL DISORDERS (290-319)	82	129.38	0.63	[0.50 - 0.79]
DIS. OF NERVOUS SYSTEM (320-389)	131	160.46	0.82	[0.68 - 0.97]
DIS. OF CIRCULATORY SYSTEM (390-459)	4946	5186.05	0.95	[0.93 - 0.98]
Hypertension (401-405)	95	115.07	0.83	[0.67 - 1.01]
Ischaemic heart disease (410-414)	3135	3253.28	0.96	[0.93 - 1.00]
Cerebrovascular (430-438)	859	1003.26	0.86	[0.80 - 0.92]
Other heart diseases (4150,4152-4299)	327	426.6	0.77	[0.69 - 0.85]
DIS. OF RESPIRATORY SYSTEM (460-519)	623	768.32	0.81	[0.75 - 0.88]
Influenza (487)	15	24.5	0.61	[0.34 - 1.01]
Pneumonia (480-486)	252	340.08	0.74	[0.65 - 0.84]
Bronchitis,emphysema & asthma (490-493)	251	270.66	0.93	[0.82 - 1.05]
Pneumoconioses (500-508)	4	10.17	0.39	[0.11 - 1.01]
DIS. OF DIGESTIVE SYSTEM (520-579)	342	404.08	0.85	[0.76 - 0.94]
Liver cirrhosis (571)	139	149.73	0.93	[0.78 - 1.10]
DIS. OF GENITO-URINARY SYSTEM (580-629)	119	157.5	0.76	[0.63 - 0.90]
Nephritis & nephrosis (580-589)	41	67.87	0.60	[0.43 - 0.82]
DIS. OF THE SKIN (680-739)	31	40.46	0.77	[0.52 - 1.09]
SYMPTOMS AND ILL-DEFINED CONDITIONS (780-799)	259	333.73	0.78	[0.68 - 0.88]
EXTERNAL CAUSES (E800-999)	975	1206.01	0.81	[0.76 - 0.86]
Traffic accident (E810-819)	175	243.37	0.72	[0.62 - 0.83]
Suicide (E950-959)	256	365.14	0.70	[0.62 - 0.79]
Homicide (E960-969)	23	35.54	0.65	[0.41 - 0.97]
Other external causes (E800-807,E820-949,E970-999)	521	561.97	0.93	[0.85 - 1.01]
UNKNOWN CAUSES	62			
OTHER CAUSES	174			

Table 2.10.20
Mortality by cause

TOTAL COHORT

Ever exposed to SOLD (nonchlorinated organic solvent, dermal)

Men

Causes of death (ICD 9th.revision)	Observed	Expected	SMR	95% Confidence intervals
ALL CAUSES	9420	10383.9	0.91	[0.89 - 0.93]
ALL MALIGNANT NEOPLASMS (140-208)	2232	2421.57	0.92	[0.88 - 0.96]
Oral cavity & pharynx (140-149)	42	59.42	0.71	[0.51 - 0.96]
Oral cavity (141,143-145)	19	23.87	0.80	[0.48 - 1.24]
Nasopharynx (147)	3	4.19	0.72	[0.15 - 2.09]
Oesophagus (150)	50	65.77	0.76	[0.56 - 1.00]
Stomach (151)	203	248.09	0.82	[0.71 - 0.94]
Colon (153)	153	157.45	0.97	[0.82 - 1.14]
Rectum (154)	98	108.4	0.90	[0.73 - 1.10]
Liver (155)	33	46.59	0.71	[0.49 - 0.99]
Gallbladder (156)	14	18.11	0.77	[0.42 - 1.30]
Pancreas (157)	109	124.94	0.87	[0.72 - 1.05]
Peritoneum and other unspecified organs(158-159)	8	11.92	0.67	[0.29 - 1.32]
Nose & sinuses (160)	9	8.51	1.06	[0.48 - 2.01]
Larynx (161)	28	33.53	0.84	[0.55 - 1.21]
Lung (162)	638	636.32	1.00	[0.93 - 1.08]
Pleura (163)	21	10.66	1.97	[1.22 - 3.01]
Other respiratory organs (164-165)	11	6.22	1.77	[0.88 - 3.16]
Bone (170)	2	10.06	0.20	[0.02 - 0.72]
Soft tissue (171)	12	10.28	1.17	[0.60 - 2.04]
Melanoma (172)	38	38.05	1.00	[0.71 - 1.37]
Other skin (173)	5	7.11	0.70	[0.23 - 1.64]
Breast (174-175)	1	2.25	0.45	[0.01 - 2.48]
Cervix uteri (180)	0	-	-	-
Corpus uteri & uterus unspecified (179,181-182)	0	-	-	-
Ovary (183)	0	-	-	-
Other female genital organs (184)	0	-	-	-
Prostate (185)	191	228	0.84	[0.72 - 0.97]
Testis (186)	10	12.98	0.77	[0.37 - 1.42]
Other male genital organs (187)	6	3.12	1.92	[0.71 - 4.19]
Bladder (188)	90	83.94	1.07	[0.86 - 1.32]
Kidney (189)	56	70.12	0.80	[0.60 - 1.04]
Eye (190)	3	3.67	0.82	[0.17 - 2.39]
Brain (191-192)	68	69.25	0.98	[0.76 - 1.24]
Thyroid (193)	6	6.45	0.93	[0.34 - 2.03]
Other endocrine glands (194)	2	3.42	0.59	[0.07 - 2.11]
Ill defined (195,199)	107	109.44	0.98	[0.80 - 1.18]
Lymphatic & hematopoietic tissue (200-208)	184	200.6	0.92	[0.79 - 1.06]
Non-Hodgkins lymphoma (200,202)	54	59.49	0.91	[0.68 - 1.18]
Hodgkins disease (201)	20	19.6	1.02	[0.62 - 1.58]
Multiple myeloma (203)	37	39.28	0.94	[0.66 - 1.30]
Leukemia & aleukemia (204-208)	73	80.39	0.91	[0.71 - 1.14]
Lymphoid leukemia (204)	14	20.81	0.67	[0.37 - 1.13]
Myeloid leukemia (205)	29	33.42	0.87	[0.58 - 1.25]
BENIGN NEOPLASMS (210-239)	37	43.92	0.84	[0.59 - 1.16]
DIS. OF ENDOCRINE SYSTEM & BLOOD (240-289)	117	161.57	0.72	[0.60 - 0.87]
MENTAL DISORDERS (290-319)	78	112.03	0.70	[0.55 - 0.87]
DIS. OF NERVOUS SYSTEM (320-389)	116	139.72	0.83	[0.69 - 1.00]
DIS. OF CIRCULATORY SYSTEM (390-459)	4479	4692.6	0.95	[0.93 - 0.98]
Hypertension (401-405)	78	99.09	0.79	[0.62 - 0.98]
Ischaemic heart disease (410-414)	2898	3017.23	0.96	[0.93 - 1.00]
Cerebrovascular (430-438)	748	860.56	0.87	[0.81 - 0.93]
Other heart diseases (4150,4152-4299)	283	375.44	0.75	[0.67 - 0.85]
DIS. OF RESPIRATORY SYSTEM (460-519)	550	694.72	0.79	[0.73 - 0.86]
Influenza (487)	10	20.92	0.48	[0.23 - 0.88]
Pneumonia (480-486)	205	299.06	0.69	[0.59 - 0.79]
Bronchitis,emphysema & asthma (490-493)	236	251.95	0.94	[0.82 - 1.06]
Pneumoconioses (500-508)	4	9.92	0.40	[0.11 - 1.03]
DIS. OF DIGESTIVE SYSTEM (520-579)	310	362.78	0.85	[0.76 - 0.96]
Liver cirrhosis (571)	129	138.96	0.93	[0.78 - 1.10]
DIS. OF GENITO-URINARY SYSTEM (580-629)	102	137.08	0.74	[0.61 - 0.90]
Nephritis & nephrosis (580-589)	37	60.09	0.62	[0.43 - 0.85]
DIS. OF THE SKIN (680-739)	25	30.78	0.81	[0.53 - 1.20]
SYMPTOMS AND ILL-DEFINED CONDITIONS (780-799)	244	312.49	0.78	[0.69 - 0.89]
EXTERNAL CAUSES (E800-999)	915	1131.17	0.81	[0.76 - 0.86]
Traffic accident (E810-819)	166	229.51	0.72	[0.62 - 0.84]
Suicide (E950-959)	244	339.48	0.72	[0.63 - 0.81]
Homicide (E960-969)	23	33.04	0.70	[0.44 - 1.04]
Other external causes (E800-807,E820-949,E970-999)	482	529.15	0.91	[0.83 - 1.00]
UNKNOWN CAUSES	56			
OTHER CAUSES	159			

Table 2.10.20
Mortality by cause

TOTAL COHORT

Ever exposed to SOLD (nonchlorinated organic solvent, dermal)

Women

Causes of death (ICD 9th.revision)	Observed	Expected	SMR	95% Confidence intervals
ALL CAUSES	1065	1158.98	0.92	[0.86 - 0.98]
ALL MALIGNANT NEOPLASMS (140-208)	328	333.91	0.98	[0.88 - 1.09]
Oral cavity & pharynx (140-149)	2	3.32	0.60	[0.07 - 2.18]
Oral cavity (141,143-145)	2	1.55	1.29	[0.16 - 4.67]
Nasopharynx (147)	0	0.28	0.00	[0.00 - 13.0]
Oesophagus (150)	4	4.67	0.86	[0.23 - 2.19]
Stomach (151)	22	24	0.92	[0.57 - 1.39]
Colon (153)	16	25.34	0.63	[0.36 - 1.03]
Rectum (154)	13	12.86	1.01	[0.54 - 1.73]
Liver (155)	5	5.46	0.92	[0.30 - 2.14]
Gallbladder (156)	3	5.81	0.52	[0.11 - 1.51]
Pancreas (157)	13	16.54	0.79	[0.42 - 1.34]
Peritoneum and other unspecified organs(158-159)	2	2.33	0.86	[0.10 - 3.10]
Nose & sinuses (160)	0	0.52	0.00	[0.00 - 7.14]
Larynx (161)	0	0.63	0.00	[0.00 - 5.83]
Lung (162)	42	31.8	1.32	[0.95 - 1.79]
Pleura (163)	2	0.52	3.88	[0.47 - 14.0]
Other respiratory organs (164-165)	0	0.49	0.00	[0.00 - 7.53]
Bone (170)	0	1.17	0.00	[0.00 - 3.14]
Soft tissue (171)	3	1.51	1.98	[0.41 - 5.79]
Melanoma (172)	5	4.91	1.02	[0.33 - 2.38]
Other skin (173)	1	0.78	1.28	[0.03 - 7.13]
Breast (174-175)	66	64.62	1.02	[0.79 - 1.30]
Cervix uteri (180)	18	17.35	1.04	[0.61 - 1.64]
Corpus uteri & uterus unspecified (179,181-182)	6	10.47	0.57	[0.21 - 1.25]
Ovary (183)	24	26.08	0.92	[0.59 - 1.37]
Other female genital organs (184)	3	2.47	1.21	[0.25 - 3.55]
Prostate (185)	0	-	-	-
Testis (186)	0	-	-	-
Other male genital organs (187)	0	-	-	-
Bladder (188)	6	4.66	1.29	[0.47 - 2.80]
Kidney (189)	6	7.55	0.79	[0.29 - 1.73]
Eye (190)	0	0.56	0.00	[0.00 - 6.58]
Brain (191-192)	11	9.52	1.16	[0.58 - 2.07]
Thyroid (193)	0	1.85	0.00	[0.00 - 1.99]
Other endocrine glands (194)	1	0.54	1.84	[0.05 - 10.2]
Ill defined (195,199)	19	15.56	1.22	[0.74 - 1.91]
Lymphatic & hematopoietic tissue (200-208)	28	26.04	1.08	[0.71 - 1.55]
Non-Hodgkins lymphoma (200,202)	5	7.62	0.66	[0.21 - 1.53]
Hodgkins disease (201)	4	2.41	1.66	[0.45 - 4.25]
Multiple myeloma (203)	6	5.12	1.17	[0.43 - 2.55]
Leukemia & aleukemia (204-208)	13	10.6	1.23	[0.65 - 2.10]
Lymphoid leukemia (204)	1	2.07	0.48	[0.01 - 2.69]
Myeloid leukemia (205)	6	4.83	1.24	[0.46 - 2.70]
BENIGN NEOPLASMS (210-239)	3	6.94	0.43	[0.09 - 1.26]
DIS. OF ENDOCRINE SYSTEM & BLOOD (240-289)	24	26.31	0.91	[0.58 - 1.36]
MENTAL DISORDERS (290-319)	4	17.36	0.23	[0.06 - 0.59]
DIS. OF NERVOUS SYSTEM (320-389)	15	20.74	0.72	[0.40 - 1.19]
DIS. OF CIRCULATORY SYSTEM (390-459)	467	493.44	0.95	[0.86 - 1.04]
Hypertension (401-405)	17	15.98	1.06	[0.62 - 1.70]
Ischaemic heart disease (410-414)	237	236.05	1.00	[0.88 - 1.14]
Cerebrovascular (430-438)	111	142.7	0.78	[0.64 - 0.94]
Other heart diseases (4150,4152-4299)	44	51.16	0.86	[0.62 - 1.15]
DIS. OF RESPIRATORY SYSTEM (460-519)	73	73.61	0.99	[0.78 - 1.25]
Influenza (487)	5	3.57	1.40	[0.45 - 3.27]
Pneumonia (480-486)	47	41.02	1.15	[0.84 - 1.52]
Bronchitis,emphysema & asthma (490-493)	15	18.7	0.80	[0.45 - 1.32]
Pneumoconioses (500-508)	0	0.25	0.00	[0.00 - 14.7]
DIS. OF DIGESTIVE SYSTEM (520-579)	32	41.3	0.77	[0.53 - 1.09]
Liver cirrhosis (571)	10	10.77	0.93	[0.45 - 1.71]
DIS. OF GENITO-URINARY SYSTEM (580-629)	17	20.42	0.83	[0.48 - 1.33]
Nephritis & nephrosis (580-589)	4	7.78	0.51	[0.14 - 1.32]
DIS. OF THE SKIN (680-739)	6	9.68	0.62	[0.23 - 1.35]
SYMPTOMS AND ILL-DEFINED CONDITIONS (780-799)	15	21.24	0.71	[0.40 - 1.16]
EXTERNAL CAUSES (E800-999)	60	74.84	0.80	[0.61 - 1.03]
Traffic accident (E810-819)	9	13.86	0.65	[0.30 - 1.23]
Suicide (E950-959)	12	25.66	0.47	[0.24 - 0.82]
Homicide (E960-969)	0	2.5	0.00	[0.00 - 1.48]
Other external causes (E800-807,E820-949,E970-999)	39	32.82	1.19	[0.84 - 1.62]
UNKNOWN CAUSES	6			
OTHER CAUSES	15			

Table 2.10.21
Mortality by cause

TOTAL COHORT
Ever exposed to SOLI (nonchlorinated organic solvent, inhalatory)

Causes of death (ICD 9th.revision)	Observed	Expected	SMR	95% Confidence intervals
ALL CAUSES	10668	11725	0.91	[0.89 - 0.93]
ALL MALIGNANT NEOPLASMS (140-208)	2614	2798.78	0.93	[0.90 - 0.97]
Oral cavity & pharynx (140-149)	45	63.63	0.71	[0.52 - 0.95]
Oral cavity (141,143-145)	22	25.78	0.85	[0.53 - 1.29]
Nasopharynx (147)	3	4.55	0.66	[0.14 - 1.93]
Oesophagus (150)	54	71.41	0.76	[0.57 - 0.99]
Stomach (151)	228	276.14	0.83	[0.72 - 0.94]
Colon (153)	171	185.85	0.92	[0.79 - 1.07]
Rectum (154)	114	123.42	0.92	[0.76 - 1.11]
Liver (155)	41	52.78	0.78	[0.56 - 1.05]
Gallbladder (156)	17	24.25	0.70	[0.41 - 1.12]
Pancreas (157)	127	143.82	0.88	[0.74 - 1.05]
Peritoneum and other unspecified organs(158-159)	11	14.4	0.76	[0.38 - 1.37]
Nose & sinuses (160)	9	9.14	0.98	[0.45 - 1.87]
Larynx (161)	29	34.68	0.84	[0.56 - 1.20]
Lung (162)	693	678.98	1.02	[0.95 - 1.10]
Pleura (163)	23	11.37	2.02	[1.28 - 3.04]
Other respiratory organs (164-165)	11	6.82	1.61	[0.80 - 2.88]
Bone (170)	2	11.4	0.18	[0.02 - 0.63]
Soft tissue (171)	15	11.97	1.25	[0.70 - 2.07]
Melanoma (172)	45	43.68	1.03	[0.75 - 1.38]
Other skin (173)	6	8.01	0.75	[0.28 - 1.63]
Breast (174-175)	67	67.04	1.00	[0.77 - 1.27]
Cervix uteri (180)	18	17.4	1.03	[0.61 - 1.64]
Corpus uteri & uterus unspecified (179,181-182)	6	10.49	0.57	[0.21 - 1.24]
Ovary (183)	24	26.13	0.92	[0.59 - 1.37]
Other female genital organs (184)	3	2.48	1.21	[0.25 - 3.54]
Prostate (185)	195	232.29	0.84	[0.73 - 0.97]
Testis (186)	10	13.19	0.76	[0.36 - 1.39]
Other male genital organs (187)	7	3.18	2.20	[0.89 - 4.54]
Bladder (188)	101	90.31	1.12	[0.91 - 1.36]
Kidney (189)	62	79	0.78	[0.60 - 1.01]
Eye (190)	3	4.3	0.70	[0.14 - 2.04]
Brain (191-192)	81	80.07	1.01	[0.80 - 1.26]
Thyroid (193)	6	8.42	0.71	[0.26 - 1.55]
Other endocrine glands (194)	4	4.02	0.99	[0.27 - 2.55]
Ill defined (195,199)	128	126.96	1.01	[0.84 - 1.20]
Lymphatic & hematopoietic tissue (200-208)	216	230.3	0.94	[0.82 - 1.07]
Non-Hodgkins lymphoma (200,202)	60	68.16	0.88	[0.67 - 1.13]
Hodgkins disease (201)	25	22.35	1.12	[0.72 - 1.65]
Multiple myeloma (203)	44	45.14	0.97	[0.71 - 1.31]
Leukemia & aleukemia (204-208)	87	92.47	0.94	[0.75 - 1.16]
Lymphoid leukemia (204)	16	23.29	0.69	[0.39 - 1.12]
Myeloid leukemia (205)	35	38.87	0.90	[0.63 - 1.25]
BENIGN NEOPLASMS (210-239)	41	51.66	0.79	[0.57 - 1.08]
DIS. OF ENDOCRINE SYSTEM & BLOOD (240-289)	142	190.77	0.74	[0.63 - 0.88]
MENTAL DISORDERS (290-319)	82	131.14	0.63	[0.50 - 0.78]
DIS. OF NERVOUS SYSTEM (320-389)	131	162.89	0.80	[0.67 - 0.95]
DIS. OF CIRCULATORY SYSTEM (390-459)	5024	5268.91	0.95	[0.93 - 0.98]
Hypertension (401-405)	98	116.8	0.84	[0.68 - 1.02]
Ischaemic heart disease (410-414)	3187	3307.21	0.96	[0.93 - 1.00]
Cerebrovascular (430-438)	874	1017.42	0.86	[0.80 - 0.92]
Other heart diseases (4150,4152-4299)	332	433.11	0.77	[0.69 - 0.85]
DIS. OF RESPIRATORY SYSTEM (460-519)	633	779.78	0.81	[0.75 - 0.88]
Influenza (487)	16	24.83	0.64	[0.37 - 1.05]
Pneumonia (480-486)	254	344.69	0.74	[0.65 - 0.83]
Bronchitis,emphysema & asthma (490-493)	255	275.61	0.93	[0.82 - 1.05]
Pneumoconioses (500-508)	4	10.31	0.39	[0.11 - 0.99]
DIS. OF DIGESTIVE SYSTEM (520-579)	348	410.19	0.85	[0.76 - 0.94]
Liver cirrhosis (571)	143	151.97	0.94	[0.79 - 1.11]
DIS. OF GENITO-URINARY SYSTEM (580-629)	119	159.97	0.74	[0.62 - 0.89]
Nephritis & nephrosis (580-589)	41	68.78	0.60	[0.43 - 0.81]
DIS. OF THE SKIN (680-739)	31	41.01	0.76	[0.51 - 1.07]
SYMPTOMS AND ILL-DEFINED CONDITIONS (780-799)	267	339.97	0.79	[0.69 - 0.89]
EXTERNAL CAUSES (E800-999)	995	1225.21	0.81	[0.76 - 0.86]
Traffic accident (E810-819)	177	246.99	0.72	[0.61 - 0.83]
Suicide (E950-959)	263	371.23	0.71	[0.63 - 0.80]
Homicide (E960-969)	24	36.09	0.67	[0.43 - 0.99]
Other external causes (E800-807,E820-949,E970-999)	531	570.93	0.93	[0.85 - 1.01]
UNKNOWN CAUSES	62			
OTHER CAUSES	179			

Table 2.10.21
Mortality by cause

TOTAL COHORT

Ever exposed to SOLI (nonchlorinated organic solvent, inhalatory)

Men

Causes of death (ICD 9th.revision)	Observed	Expected	SMR	95% Confidence intervals
ALL CAUSES	9601	10563.5	0.91	[0.89 - 0.93]
ALL MALIGNANT NEOPLASMS (140-208)	2286	2464.15	0.93	[0.89 - 0.97]
Oral cavity & pharynx (140-149)	43	60.31	0.71	[0.52 - 0.96]
Oral cavity (141,143-145)	20	24.23	0.83	[0.50 - 1.27]
Nasopharynx (147)	3	4.26	0.70	[0.15 - 2.06]
Oesophagus (150)	50	66.73	0.75	[0.56 - 0.99]
Stomach (151)	206	252.08	0.82	[0.71 - 0.94]
Colon (153)	155	160.46	0.97	[0.82 - 1.13]
Rectum (154)	101	110.53	0.91	[0.74 - 1.11]
Liver (155)	36	47.3	0.76	[0.53 - 1.05]
Gallbladder (156)	14	18.43	0.76	[0.42 - 1.27]
Pancreas (157)	114	127.24	0.90	[0.74 - 1.08]
Peritoneum and other unspecified organs(158-159)	9	12.06	0.75	[0.34 - 1.42]
Nose & sinuses (160)	9	8.62	1.04	[0.48 - 1.98]
Larynx (161)	29	34.04	0.85	[0.57 - 1.22]
Lung (162)	651	647.13	1.01	[0.93 - 1.09]
Pleura (163)	21	10.85	1.94	[1.20 - 2.96]
Other respiratory organs (164-165)	11	6.33	1.74	[0.87 - 3.11]
Bone (170)	2	10.23	0.20	[0.02 - 0.71]
Soft tissue (171)	12	10.45	1.15	[0.59 - 2.01]
Melanoma (172)	40	38.76	1.03	[0.74 - 1.41]
Other skin (173)	5	7.22	0.69	[0.22 - 1.62]
Breast (174-175)	1	2.29	0.44	[0.01 - 2.43]
Cervix uteri (180)	0	-	-	-
Corpus uteri & uterus unspecified (179,181-182)	0	-	-	-
Ovary (183)	0	-	-	-
Other female genital organs (184)	0	-	-	-
Prostate (185)	195	232.29	0.84	[0.73 - 0.97]
Testis (186)	10	13.19	0.76	[0.36 - 1.39]
Other male genital organs (187)	7	3.18	2.20	[0.89 - 4.54]
Bladder (188)	95	85.64	1.11	[0.90 - 1.36]
Kidney (189)	56	71.44	0.78	[0.59 - 1.02]
Eye (190)	3	3.74	0.80	[0.17 - 2.34]
Brain (191-192)	70	70.53	0.99	[0.77 - 1.25]
Thyroid (193)	6	6.56	0.91	[0.34 - 1.99]
Other endocrine glands (194)	3	3.48	0.86	[0.18 - 2.52]
Ill defined (195,199)	109	111.37	0.98	[0.80 - 1.18]
Lymphatic & hematopoietic tissue (200-208)	188	204.19	0.92	[0.79 - 1.06]
Non-Hodgkins lymphoma (200,202)	55	60.52	0.91	[0.68 - 1.18]
Hodgkins disease (201)	21	19.93	1.05	[0.65 - 1.61]
Multiple myeloma (203)	38	40.01	0.95	[0.67 - 1.30]
Leukemia & aleukemia (204-208)	74	81.85	0.90	[0.71 - 1.14]
Lymphoid leukemia (204)	15	21.21	0.71	[0.40 - 1.17]
Myeloid leukemia (205)	29	34.02	0.85	[0.57 - 1.22]
BENIGN NEOPLASMS (210-239)	38	44.71	0.85	[0.60 - 1.17]
DIS. OF ENDOCRINE SYSTEM & BLOOD (240-289)	118	164.41	0.72	[0.59 - 0.86]
MENTAL DISORDERS (290-319)	78	113.76	0.69	[0.54 - 0.86]
DIS. OF NERVOUS SYSTEM (320-389)	116	142.09	0.82	[0.67 - 0.98]
DIS. OF CIRCULATORY SYSTEM (390-459)	4556	4774.48	0.95	[0.93 - 0.98]
Hypertension (401-405)	81	100.78	0.80	[0.64 - 1.00]
Ischaemic heart disease (410-414)	2949	3070.72	0.96	[0.93 - 1.00]
Cerebrovascular (430-438)	763	874.43	0.87	[0.81 - 0.94]
Other heart diseases (4150,4152-4299)	288	381.85	0.75	[0.67 - 0.85]
DIS. OF RESPIRATORY SYSTEM (460-519)	560	706.04	0.79	[0.73 - 0.86]
Influenza (487)	11	21.25	0.52	[0.26 - 0.93]
Pneumonia (480-486)	207	303.58	0.68	[0.59 - 0.78]
Bronchitis,emphysema & asthma (490-493)	240	256.87	0.93	[0.82 - 1.06]
Pneumoconioses (500-508)	4	10.06	0.40	[0.11 - 1.02]
DIS. OF DIGESTIVE SYSTEM (520-579)	315	368.8	0.85	[0.76 - 0.95]
Liver cirrhosis (571)	133	141.18	0.94	[0.79 - 1.12]
DIS. OF GENITO-URINARY SYSTEM (580-629)	102	139.5	0.73	[0.60 - 0.89]
Nephritis & nephrosis (580-589)	37	60.98	0.61	[0.43 - 0.84]
DIS. OF THE SKIN (680-739)	25	31.31	0.80	[0.52 - 1.18]
SYMPTOMS AND ILL-DEFINED CONDITIONS (780-799)	252	318.67	0.79	[0.70 - 0.89]
EXTERNAL CAUSES (E800-999)	935	1150.16	0.81	[0.76 - 0.87]
Traffic accident (E810-819)	168	233.09	0.72	[0.62 - 0.84]
Suicide (E950-959)	251	345.51	0.73	[0.64 - 0.82]
Homicide (E960-969)	24	33.58	0.71	[0.46 - 1.06]
Other external causes (E800-807,E820-949,E970-999)	492	538	0.91	[0.84 - 1.00]
UNKNOWN CAUSES	56			
OTHER CAUSES	164			

Table 2.10.21
Mortality by cause

TOTAL COHORT

Ever exposed to SOLI (nonchlorinated organic solvent, inhalatory)

Women

Causes of death (ICD 9th.revision)	Observed	Expected	SMR	95% Confidence intervals
ALL CAUSES	1067	1161.47	0.92	[0.86 - 0.98]
ALL MALIGNANT NEOPLASMS (140-208)	328	334.63	0.98	[0.88 - 1.09]
Oral cavity & pharynx (140-149)	2	3.32	0.60	[0.07 - 2.17]
Oral cavity (141,143-145)	2	1.55	1.29	[0.16 - 4.66]
Nasopharynx (147)	0	0.29	0.00	[0.00 - 12.9]
Oesophagus (150)	4	4.68	0.86	[0.23 - 2.19]
Stomach (151)	22	24.06	0.91	[0.57 - 1.38]
Colon (153)	16	25.39	0.63	[0.36 - 1.02]
Rectum (154)	13	12.89	1.01	[0.54 - 1.72]
Liver (155)	5	5.48	0.91	[0.30 - 2.13]
Gallbladder (156)	3	5.82	0.52	[0.11 - 1.51]
Pancreas (157)	13	16.58	0.78	[0.42 - 1.34]
Peritoneum and other unspecified organs(158-159)	2	2.33	0.86	[0.10 - 3.09]
Nose & sinuses (160)	0	0.52	0.00	[0.00 - 7.12]
Larynx (161)	0	0.63	0.00	[0.00 - 5.82]
Lung (162)	42	31.85	1.32	[0.95 - 1.78]
Pleura (163)	2	0.52	3.87	[0.47 - 14.0]
Other respiratory organs (164-165)	0	0.49	0.00	[0.00 - 7.52]
Bone (170)	0	1.18	0.00	[0.00 - 3.14]
Soft tissue (171)	3	1.52	1.98	[0.41 - 5.78]
Melanoma (172)	5	4.92	1.02	[0.33 - 2.37]
Other skin (173)	1	0.78	1.28	[0.03 - 7.11]
Breast (174-175)	66	64.76	1.02	[0.79 - 1.30]
Cervix uteri (180)	18	17.4	1.03	[0.61 - 1.64]
Corpus uteri & uterus unspecified (179,181-182)	6	10.49	0.57	[0.21 - 1.24]
Ovary (183)	24	26.13	0.92	[0.59 - 1.37]
Other female genital organs (184)	3	2.48	1.21	[0.25 - 3.54]
Prostate (185)	0	-	-	-
Testis (186)	0	-	-	-
Other male genital organs (187)	0	-	-	-
Bladder (188)	6	4.67	1.28	[0.47 - 2.80]
Kidney (189)	6	7.56	0.79	[0.29 - 1.73]
Eye (190)	0	0.56	0.00	[0.00 - 6.57]
Brain (191-192)	11	9.54	1.15	[0.58 - 2.06]
Thyroid (193)	0	1.86	0.00	[0.00 - 1.99]
Other endocrine glands (194)	1	0.55	1.83	[0.05 - 10.2]
Ill defined (195,199)	19	15.59	1.22	[0.73 - 1.90]
Lymphatic & hematopoietic tissue (200-208)	28	26.11	1.07	[0.71 - 1.55]
Non-Hodgkins lymphoma (200,202)	5	7.64	0.65	[0.21 - 1.53]
Hodgkins disease (201)	4	2.42	1.65	[0.45 - 4.24]
Multiple myeloma (203)	6	5.13	1.17	[0.43 - 2.55]
Leukemia & aleukemia (204-208)	13	10.63	1.22	[0.65 - 2.09]
Lymphoid leukemia (204)	1	2.08	0.48	[0.01 - 2.68]
Myeloid leukemia (205)	6	4.84	1.24	[0.45 - 2.70]
BENIGN NEOPLASMS (210-239)	3	6.95	0.43	[0.09 - 1.26]
DIS. OF ENDOCRINE SYSTEM & BLOOD (240-289)	24	26.36	0.91	[0.58 - 1.35]
MENTAL DISORDERS (290-319)	4	17.38	0.23	[0.06 - 0.59]
DIS. OF NERVOUS SYSTEM (320-389)	15	20.8	0.72	[0.40 - 1.19]
DIS. OF CIRCULATORY SYSTEM (390-459)	468	494.43	0.95	[0.86 - 1.04]
Hypertension (401-405)	17	16.02	1.06	[0.62 - 1.70]
Ischaemic heart disease (410-414)	238	236.49	1.01	[0.88 - 1.14]
Cerebrovascular (430-438)	111	142.99	0.78	[0.64 - 0.93]
Other heart diseases (4150,4152-4299)	44	51.27	0.86	[0.62 - 1.15]
DIS. OF RESPIRATORY SYSTEM (460-519)	73	73.75	0.99	[0.78 - 1.24]
Influenza (487)	5	3.58	1.40	[0.45 - 3.26]
Pneumonia (480-486)	47	41.11	1.14	[0.84 - 1.52]
Bronchitis,emphysema & asthma (490-493)	15	18.73	0.80	[0.45 - 1.32]
Pneumoconioses (500-508)	0	0.25	0.00	[0.00 - 14.7]
DIS. OF DIGESTIVE SYSTEM (520-579)	33	41.39	0.80	[0.55 - 1.12]
Liver cirrhosis (571)	10	10.79	0.93	[0.44 - 1.70]
DIS. OF GENITO-URINARY SYSTEM (580-629)	17	20.47	0.83	[0.48 - 1.33]
Nephritis & nephrosis (580-589)	4	7.8	0.51	[0.14 - 1.31]
DIS. OF THE SKIN (680-739)	6	9.71	0.62	[0.23 - 1.35]
SYMPTOMS AND ILL-DEFINED CONDITIONS (780-799)	15	21.3	0.70	[0.39 - 1.16]
EXTERNAL CAUSES (E800-999)	60	75.05	0.80	[0.61 - 1.03]
Traffic accident (E810-819)	9	13.9	0.65	[0.30 - 1.23]
Suicide (E950-959)	12	25.72	0.47	[0.24 - 0.81]
Homicide (E960-969)	0	2.51	0.00	[0.00 - 1.47]
Other external causes (E800-807,E820-949,E970-999)	39	32.92	1.18	[0.84 - 1.62]
UNKNOWN CAUSES	6			
OTHER CAUSES	15			

Table 2.10.22
Mortality by cause

TOTAL COHORT

Ever exposed to SULP (reduced sulfure compounds)

Causes of death (ICD 9th.revision)	Observed	Expected	SMR	95% Confidence intervals
ALL CAUSES	6725	7764.92	0.87	[0.85 - 0.89]
ALL MALIGNANT NEOPLASMS (140-208)	1531	1721.13	0.89	[0.85 - 0.94]
Oral cavity & pharynx (140-149)	29	37.35	0.78	[0.52 - 1.12]
Oral cavity (141,143-145)	15	14.32	1.05	[0.59 - 1.73]
Nasopharynx (147)	2	2.65	0.76	[0.09 - 2.73]
Oesophagus (150)	23	40.76	0.56	[0.36 - 0.85]
Stomach (151)	169	197	0.86	[0.73 - 1.00]
Colon (153)	101	106.67	0.95	[0.77 - 1.15]
Rectum (154)	55	74.09	0.74	[0.56 - 0.97]
Liver (155)	29	37.28	0.78	[0.52 - 1.12]
Gallbladder (156)	10	15.88	0.63	[0.30 - 1.16]
Pancreas (157)	72	92.7	0.78	[0.61 - 0.98]
Peritoneum and other unspecified organs(158-159)	4	9.15	0.44	[0.12 - 1.12]
Nose & sinuses (160)	3	5.28	0.57	[0.12 - 1.66]
Larynx (161)	19	20.53	0.93	[0.56 - 1.45]
Lung (162)	416	407.37	1.02	[0.93 - 1.12]
Pleura (163)	19	6.65	2.86	[1.72 - 4.46]
Other respiratory organs (164-165)	9	4.18	2.15	[0.98 - 4.08]
Bone (170)	0	7.14	0.00	[0.00 - 0.52]
Soft tissue (171)	6	7.44	0.81	[0.30 - 1.75]
Melanoma (172)	21	26.81	0.78	[0.48 - 1.20]
Other skin (173)	5	5.25	0.95	[0.31 - 2.22]
Breast (174-175)	25	22.6	1.11	[0.72 - 1.63]
Cervix uteri (180)	3	5.07	0.59	[0.12 - 1.73]
Corpus uteri & uterus unspecified (179,181-182)	5	5.15	0.97	[0.32 - 2.27]
Ovary (183)	6	8.31	0.72	[0.27 - 1.57]
Other female genital organs (184)	2	1.11	1.80	[0.22 - 6.51]
Prostate (185)	133	165.61	0.80	[0.67 - 0.95]
Testis (186)	7	7.03	1.00	[0.40 - 2.05]
Other male genital organs (187)	3	1.88	1.59	[0.33 - 4.66]
Bladder (188)	52	52.78	0.99	[0.74 - 1.29]
Kidney (189)	44	49.3	0.89	[0.65 - 1.20]
Eye (190)	3	2.71	1.11	[0.23 - 3.24]
Brain (191-192)	44	46.36	0.95	[0.69 - 1.27]
Thyroid (193)	4	5.36	0.75	[0.20 - 1.91]
Other endocrine glands (194)	2	2.4	0.83	[0.10 - 3.01]
Ill defined (195,199)	67	72.04	0.93	[0.72 - 1.18]
Lymphatic & heamatopoietic tissue (200-208)	118	146.92	0.80	[0.66 - 0.96]
Non-Hodgkins lymphoma (200,202)	35	42.63	0.82	[0.57 - 1.14]
Hodgkins disease (201)	10	13.79	0.73	[0.35 - 1.33]
Multiple myeloma (203)	23	29.51	0.78	[0.49 - 1.17]
Leukemia & aleukemia (204-208)	50	58.47	0.86	[0.63 - 1.13]
Lymphoid leukemia (204)	10	14.61	0.68	[0.33 - 1.26]
Myeloid leukemia (205)	16	23.2	0.69	[0.39 - 1.12]
BENIGN NEOPLASMS (210-239)	24	32.37	0.74	[0.47 - 1.10]
DIS. OF ENDOCRINE SYSTEM & BLOOD (240-289)	78	121.23	0.64	[0.51 - 0.80]
MENTAL DISORDERS (290-319)	41	89.05	0.46	[0.33 - 0.62]
DIS. OF NERVOUS SYSTEM (320-389)	91	105.2	0.86	[0.70 - 1.06]
DIS. OF CIRCULATORY SYSTEM (390-459)	3289	3612.32	0.91	[0.88 - 0.94]
Hypertension (401-405)	60	85.31	0.70	[0.54 - 0.91]
Ischaemic heart disease (410-414)	2022	2240.19	0.90	[0.86 - 0.94]
Cerebrovascular (430-438)	572	702.97	0.81	[0.75 - 0.88]
Other heart diseases (4150,4152-4299)	247	315.24	0.78	[0.69 - 0.89]
DIS. OF RESPIRATORY SYSTEM (460-519)	404	508.92	0.79	[0.72 - 0.88]
Influenza (487)	10	16.8	0.60	[0.29 - 1.09]
Pneumonia (480-486)	180	247.23	0.73	[0.63 - 0.84]
Bronchitis,emphysema & asthma (490-493)	136	166.07	0.82	[0.69 - 0.97]
Pneumoconioses (500-508)	2	5.51	0.36	[0.04 - 1.31]
DIS. OF DIGESTIVE SYSTEM (520-579)	198	258.5	0.77	[0.66 - 0.88]
Liver cirrhosis (571)	67	85.9	0.78	[0.60 - 0.99]
DIS. OF GENITO-URINARY SYSTEM (580-629)	81	110.07	0.74	[0.58 - 0.91]
Nephritis & nephrosis (580-589)	30	49.57	0.61	[0.41 - 0.86]
DIS. OF THE SKIN (680-739)	19	26.56	0.72	[0.43 - 1.12]
SYMPTOMS AND ILL-DEFINED CONDITIONS (780-799)	169	220.99	0.76	[0.65 - 0.89]
EXTERNAL CAUSES (E800-999)	642	837.98	0.77	[0.71 - 0.83]
Traffic accident (E810-819)	98	159.17	0.62	[0.50 - 0.75]
Suicide (E950-959)	145	235.98	0.61	[0.52 - 0.72]
Homicide (E960-969)	11	30.27	0.36	[0.18 - 0.65]
Other external causes (E800-807,E820-949,E970-999)	388	412.58	0.94	[0.85 - 1.04]
UNKNOWN CAUSES	23			
OTHER CAUSES	135			

Table 2.10.22
Mortality by cause

TOTAL COHORT

Ever exposed to SULP (reduced sulfure compounds)

Men

Causes of death (ICD 9th.revision)	Observed	Expected	SMR	95% Confidence intervals
ALL CAUSES	6337	7233.61	0.88	[0.85 - 0.90]
ALL MALIGNANT NEOPLASMS (140-208)	1427	1596.63	0.89	[0.85 - 0.94]
Oral cavity & pharynx (140-149)	29	36.06	0.80	[0.54 - 1.16]
Oral cavity (141,143-145)	15	13.73	1.09	[0.61 - 1.80]
Nasopharynx (147)	2	2.54	0.79	[0.10 - 2.84]
Oesophagus (150)	23	38.72	0.59	[0.38 - 0.89]
Stomach (151)	158	184.6	0.86	[0.73 - 1.00]
Colon (153)	96	98.27	0.98	[0.79 - 1.19]
Rectum (154)	51	69.17	0.74	[0.55 - 0.97]
Liver (155)	24	33.71	0.71	[0.46 - 1.06]
Gallbladder (156)	9	12.72	0.71	[0.32 - 1.34]
Pancreas (157)	66	85.39	0.77	[0.60 - 0.98]
Peritoneum and other unspecified organs(158-159)	4	7.43	0.54	[0.15 - 1.38]
Nose & sinuses (160)	3	5.06	0.59	[0.12 - 1.73]
Larynx (161)	19	20.32	0.94	[0.56 - 1.46]
Lung (162)	410	399.36	1.03	[0.93 - 1.13]
Pleura (163)	17	6.35	2.68	[1.56 - 4.29]
Other respiratory organs (164-165)	9	3.98	2.26	[1.03 - 4.29]
Bone (170)	0	6.6	0.00	[0.00 - 0.56]
Soft tissue (171)	6	6.9	0.87	[0.32 - 1.89]
Melanoma (172)	20	25.3	0.79	[0.48 - 1.22]
Other skin (173)	5	4.89	1.02	[0.33 - 2.39]
Breast (174-175)	1	1.25	0.80	[0.02 - 4.46]
Cervix uteri (180)	0	-	-	-
Corpus uteri & uterus unspecified (179,181-182)	0	-	-	-
Ovary (183)	0	-	-	-
Other female genital organs (184)	0	-	-	-
Prostate (185)	133	165.61	0.80	[0.67 - 0.95]
Testis (186)	7	7.03	1.00	[0.40 - 2.05]
Other male genital organs (187)	3	1.88	1.59	[0.33 - 4.66]
Bladder (188)	51	51.2	1.00	[0.74 - 1.31]
Kidney (189)	42	46.37	0.91	[0.65 - 1.22]
Eye (190)	3	2.49	1.21	[0.25 - 3.52]
Brain (191-192)	42	43.24	0.97	[0.70 - 1.31]
Thyroid (193)	4	4.41	0.91	[0.25 - 2.32]
Other endocrine glands (194)	2	2.21	0.90	[0.11 - 3.26]
Ill defined (195,199)	59	67.26	0.88	[0.67 - 1.13]
Lymphatic & heamatopoietic tissue (200-208)	112	136.17	0.82	[0.68 - 0.99]
Non-Hodgkins lymphoma (200,202)	34	39.49	0.86	[0.60 - 1.20]
Hodgkins disease (201)	8	12.94	0.62	[0.27 - 1.22]
Multiple myeloma (203)	23	27.27	0.84	[0.53 - 1.27]
Leukemia & aleukemia (204-208)	47	54.14	0.87	[0.64 - 1.15]
Lymphoid leukemia (204)	9	13.63	0.66	[0.30 - 1.25]
Myeloid leukemia (205)	16	21.41	0.75	[0.43 - 1.21]
BENIGN NEOPLASMS (210-239)	21	29.4	0.71	[0.44 - 1.09]
DIS. OF ENDOCRINE SYSTEM & BLOOD (240-289)	74	107.17	0.69	[0.54 - 0.87]
MENTAL DISORDERS (290-319)	41	77.6	0.53	[0.38 - 0.72]
DIS. OF NERVOUS SYSTEM (320-389)	86	96.01	0.90	[0.72 - 1.11]
DIS. OF CIRCULATORY SYSTEM (390-459)	3093	3353.09	0.92	[0.89 - 0.96]
Hypertension (401-405)	53	74.33	0.71	[0.53 - 0.93]
Ischaemic heart disease (410-414)	1928	2125.28	0.91	[0.87 - 0.95]
Cerebrovascular (430-438)	526	625.8	0.84	[0.77 - 0.92]
Other heart diseases (4150,4152-4299)	225	281.75	0.80	[0.70 - 0.91]
DIS. OF RESPIRATORY SYSTEM (460-519)	382	477.27	0.80	[0.72 - 0.88]
Influenza (487)	9	15.09	0.60	[0.27 - 1.13]
Pneumonia (480-486)	167	227.38	0.73	[0.63 - 0.85]
Bronchitis,emphysema & asthma (490-493)	133	159.49	0.83	[0.70 - 0.99]
Pneumoconioses (500-508)	2	5.4	0.37	[0.04 - 1.34]
DIS. OF DIGESTIVE SYSTEM (520-579)	184	239.27	0.77	[0.66 - 0.89]
Liver cirrhosis (571)	66	81.48	0.81	[0.63 - 1.03]
DIS. OF GENITO-URINARY SYSTEM (580-629)	72	100.23	0.72	[0.56 - 0.90]
Nephritis & nephrosis (580-589)	28	45.61	0.61	[0.41 - 0.89]
DIS. OF THE SKIN (680-739)	16	21.95	0.73	[0.42 - 1.18]
SYMPTOMS AND ILL-DEFINED CONDITIONS (780-799)	169	213.56	0.79	[0.68 - 0.92]
EXTERNAL CAUSES (E800-999)	619	809.84	0.76	[0.71 - 0.83]
Traffic accident (E810-819)	95	153.96	0.62	[0.50 - 0.75]
Suicide (E950-959)	142	228.6	0.62	[0.52 - 0.73]
Homicide (E960-969)	11	29.26	0.38	[0.19 - 0.67]
Other external causes (E800-807,E820-949,E970-999)	371	398.02	0.93	[0.84 - 1.03]
UNKNOWN CAUSES	21			
OTHER CAUSES	132			

Table 2.10.22
Mortality by cause

TOTAL COHORT

Ever exposed to SULP (reduced sulfure compounds)

Women

Causes of death (ICD 9th.revision)	Observed	Expected	SMR	95% Confidence intervals
ALL CAUSES	388	531.31	0.73	[0.66 - 0.81]
ALL MALIGNANT NEOPLASMS (140-208)	104	124.5	0.84	[0.68 - 1.01]
Oral cavity & pharynx (140-149)	0	1.29	0.00	[0.00 - 2.85]
Oral cavity (141,143-145)	0	0.59	0.00	[0.00 - 6.21]
Nasopharynx (147)	0	0.1	0.00	[0.00 - 35.7]
Oesophagus (150)	0	2.05	0.00	[0.00 - 1.80]
Stomach (151)	11	12.4	0.89	[0.44 - 1.59]
Colon (153)	5	8.41	0.59	[0.19 - 1.39]
Rectum (154)	4	4.92	0.81	[0.22 - 2.08]
Liver (155)	5	3.56	1.40	[0.46 - 3.27]
Gallbladder (156)	1	3.16	0.32	[0.01 - 1.76]
Pancreas (157)	6	7.3	0.82	[0.30 - 1.79]
Peritoneum and other unspecified organs(158-159)	0	1.72	0.00	[0.00 - 2.15]
Nose & sinuses (160)	0	0.21	0.00	[0.00 - 17.2]
Larynx (161)	0	0.21	0.00	[0.00 - 17.7]
Lung (162)	6	8	0.75	[0.28 - 1.63]
Pleura (163)	2	0.3	6.61	[0.80 - 23.9]
Other respiratory organs (164-165)	0	0.2	0.00	[0.00 - 18.1]
Bone (170)	0	0.54	0.00	[0.00 - 6.87]
Soft tissue (171)	0	0.54	0.00	[0.00 - 6.84]
Melanoma (172)	1	1.5	0.67	[0.02 - 3.71]
Other skin (173)	0	0.36	0.00	[0.00 - 10.3]
Breast (174-175)	24	21.35	1.12	[0.72 - 1.67]
Cervix uteri (180)	3	5.07	0.59	[0.12 - 1.73]
Corpus uteri & uterus unspecified (179,181-182)	5	5.15	0.97	[0.32 - 2.27]
Ovary (183)	6	8.31	0.72	[0.27 - 1.57]
Other female genital organs (184)	2	1.11	1.80	[0.22 - 6.51]
Prostate (185)	0	-	-	-
Testis (186)	0	-	-	-
Other male genital organs (187)	0	-	-	-
Bladder (188)	1	1.58	0.63	[0.02 - 3.53]
Kidney (189)	2	2.92	0.68	[0.08 - 2.47]
Eye (190)	0	0.22	0.00	[0.00 - 16.8]
Brain (191-192)	2	3.13	0.64	[0.08 - 2.31]
Thyroid (193)	0	0.95	0.00	[0.00 - 3.87]
Other endocrine glands (194)	0	0.18	0.00	[0.00 - 20.1]
Ill defined (195,199)	8	4.78	1.67	[0.72 - 3.30]
Lymphatic & heamatopoietic tissue (200-208)	6	10.75	0.56	[0.20 - 1.21]
Non-Hodgkins lymphoma (200,202)	1	3.14	0.32	[0.01 - 1.77]
Hodgkins disease (201)	2	0.85	2.36	[0.29 - 8.54]
Multiple myeloma (203)	0	2.24	0.00	[0.00 - 1.65]
Leukemia & aleukemia (204-208)	3	4.33	0.69	[0.14 - 2.02]
Lymphoid leukemia (204)	1	0.98	1.02	[0.03 - 5.66]
Myeloid leukemia (205)	0	1.79	0.00	[0.00 - 2.06]
BENIGN NEOPLASMS (210-239)	3	2.98	1.01	[0.21 - 2.94]
DIS. OF ENDOCRINE SYSTEM & BLOOD (240-289)	4	14.06	0.28	[0.08 - 0.73]
MENTAL DISORDERS (290-319)	0	11.45	0.00	[0.00 - 0.32]
DIS. OF NERVOUS SYSTEM (320-389)	5	9.2	0.54	[0.18 - 1.27]
DIS. OF CIRCULATORY SYSTEM (390-459)	196	259.23	0.76	[0.65 - 0.87]
Hypertension (401-405)	7	10.98	0.64	[0.26 - 1.31]
Ischaemic heart disease (410-414)	94	114.91	0.82	[0.66 - 1.00]
Cerebrovascular (430-438)	46	77.18	0.60	[0.44 - 0.80]
Other heart diseases (4150,4152-4299)	22	33.5	0.66	[0.41 - 0.99]
DIS. OF RESPIRATORY SYSTEM (460-519)	22	31.65	0.70	[0.44 - 1.05]
Influenza (487)	1	1.71	0.58	[0.01 - 3.25]
Pneumonia (480-486)	13	19.85	0.65	[0.35 - 1.12]
Bronchitis,emphysema & asthma (490-493)	3	6.58	0.46	[0.09 - 1.33]
Pneumoconioses (500-508)	0	0.11	0.00	[0.00 - 33.4]
DIS. OF DIGESTIVE SYSTEM (520-579)	14	19.22	0.73	[0.40 - 1.22]
Liver cirrhosis (571)	1	4.42	0.23	[0.01 - 1.26]
DIS. OF GENITO-URINARY SYSTEM (580-629)	9	9.84	0.91	[0.42 - 1.74]
Nephritis & nephrosis (580-589)	2	3.96	0.50	[0.06 - 1.82]
DIS. OF THE SKIN (680-739)	3	4.61	0.65	[0.13 - 1.90]
SYMPTOMS AND ILL-DEFINED CONDITIONS (780-799)	0	7.43	0.00	[0.00 - 0.50]
EXTERNAL CAUSES (E800-999)	23	28.15	0.82	[0.52 - 1.23]
Traffic accident (E810-819)	3	5.2	0.58	[0.12 - 1.69]
Suicide (E950-959)	3	7.37	0.41	[0.08 - 1.19]
Homicide (E960-969)	0	1	0.00	[0.00 - 3.68]
Other external causes (E800-807,E820-949,E970-999)	17	14.57	1.17	[0.68 - 1.87]
UNKNOWN CAUSES	2			
OTHER CAUSES	3			

Table 2.10.23
Mortality by cause

TOTAL COHORT
Ever exposed to TALC

Causes of death (ICD 9th.revision)	Observed	Expected	SMR	95% Confidence intervals
ALL CAUSES	4146	4773.49	0.87	[0.84 - 0.90]
ALL MALIGNANT NEOPLASMS (140-208)	1048	1155.27	0.91	[0.85 - 0.96]
Oral cavity & pharynx (140-149)	16	31.55	0.51	[0.29 - 0.82]
Oral cavity (141,143-145)	7	12.44	0.56	[0.23 - 1.16]
Nasopharynx (147)	0	1.93	0.00	[0.00 - 1.92]
Oesophagus (150)	25	35.62	0.70	[0.45 - 1.04]
Stomach (151)	104	113.16	0.92	[0.75 - 1.11]
Colon (153)	65	70.1	0.93	[0.72 - 1.18]
Rectum (154)	34	45.71	0.74	[0.52 - 1.04]
Liver (155)	22	27.09	0.81	[0.51 - 1.23]
Gallbladder (156)	8	11.11	0.72	[0.31 - 1.42]
Pancreas (157)	50	57.13	0.88	[0.65 - 1.15]
Peritoneum and other unspecified organs(158-159)	4	8.48	0.47	[0.13 - 1.21]
Nose & sinuses (160)	4	5.11	0.78	[0.21 - 2.01]
Larynx (161)	18	18.71	0.96	[0.57 - 1.52]
Lung (162)	286	294.95	0.97	[0.86 - 1.09]
Pleura (163)	5	4.93	1.01	[0.33 - 2.37]
Other respiratory organs (164-165)	4	3.2	1.25	[0.34 - 3.20]
Bone (170)	2	5.55	0.36	[0.04 - 1.30]
Soft tissue (171)	7	5.01	1.40	[0.56 - 2.88]
Melanoma (172)	16	16.23	0.99	[0.56 - 1.60]
Other skin (173)	2	3.2	0.63	[0.08 - 2.26]
Breast (174-175)	28	32.58	0.86	[0.57 - 1.24]
Cervix uteri (180)	7	7.42	0.94	[0.38 - 1.94]
Corpus uteri & uterus unspecified (179,181-182)	5	5.26	0.95	[0.31 - 2.22]
Ovary (183)	14	12.38	1.13	[0.62 - 1.90]
Other female genital organs (184)	2	1.27	1.58	[0.19 - 5.71]
Prostate (185)	63	75.75	0.83	[0.64 - 1.06]
Testis (186)	4	5.12	0.78	[0.21 - 2.00]
Other male genital organs (187)	2	1.23	1.63	[0.20 - 5.88]
Bladder (188)	34	32.95	1.03	[0.71 - 1.44]
Kidney (189)	27	30.88	0.87	[0.58 - 1.27]
Eye (190)	0	1.66	0.00	[0.00 - 2.22]
Brain (191-192)	29	32.97	0.88	[0.59 - 1.26]
Thyroid (193)	1	3.51	0.29	[0.01 - 1.59]
Other endocrine glands (194)	2	1.72	1.16	[0.14 - 4.20]
Ill defined (195,199)	56	49.97	1.12	[0.85 - 1.46]
Lymphatic & hematopoietic tissue (200-208)	84	91.48	0.92	[0.73 - 1.14]
Non-Hodgkins lymphoma (200,202)	19	28.07	0.68	[0.41 - 1.06]
Hodgkins disease (201)	12	9.56	1.26	[0.65 - 2.19]
Multiple myeloma (203)	16	16.47	0.97	[0.56 - 1.58]
Leukemia & aleukemia (204-208)	37	36.86	1.00	[0.71 - 1.38]
Lymphoid leukemia (204)	5	9.17	0.55	[0.18 - 1.27]
Myeloid leukemia (205)	19	16.17	1.17	[0.71 - 1.83]
BENIGN NEOPLASMS (210-239)	21	21.32	0.99	[0.61 - 1.51]
DIS. OF ENDOCRINE SYSTEM & BLOOD (240-289)	49	77.26	0.63	[0.47 - 0.84]
MENTAL DISORDERS (290-319)	38	60.37	0.63	[0.45 - 0.86]
DIS. OF NERVOUS SYSTEM (320-389)	57	68.67	0.83	[0.63 - 1.08]
DIS. OF CIRCULATORY SYSTEM (390-459)	1896	2056.32	0.92	[0.88 - 0.96]
Hypertension (401-405)	33	44.21	0.75	[0.51 - 1.05]
Ischaemic heart disease (410-414)	1138	1260.69	0.90	[0.85 - 0.96]
Cerebrovascular (430-438)	330	417.13	0.79	[0.71 - 0.88]
Other heart diseases (4150,4152-4299)	153	180.41	0.85	[0.72 - 0.99]
DIS. OF RESPIRATORY SYSTEM (460-519)	217	314.78	0.69	[0.60 - 0.79]
Influenza (487)	2	10.3	0.19	[0.02 - 0.70]
Pneumonia (480-486)	96	133.96	0.72	[0.58 - 0.88]
Bronchitis,emphysema & asthma (490-493)	78	107.45	0.73	[0.57 - 0.91]
Pneumoconioses (500-508)	2	5.76	0.35	[0.04 - 1.25]
DIS. OF DIGESTIVE SYSTEM (520-579)	154	187.44	0.82	[0.70 - 0.96]
Liver cirrhosis (571)	67	79.59	0.84	[0.65 - 1.07]
DIS. OF GENITO-URINARY SYSTEM (580-629)	36	59.92	0.60	[0.42 - 0.83]
Nephritis & nephrosis (580-589)	12	29.79	0.40	[0.21 - 0.70]
DIS. OF THE SKIN (680-739)	11	17.74	0.62	[0.31 - 1.11]
SYMPTOMS AND ILL-DEFINED CONDITIONS (780-799)	65	105.1	0.62	[0.48 - 0.79]
EXTERNAL CAUSES (E800-999)	455	576.54	0.79	[0.72 - 0.87]
Traffic accident (E810-819)	68	116.46	0.58	[0.45 - 0.74]
Suicide (E950-959)	108	178.87	0.60	[0.50 - 0.73]
Homicide (E960-969)	14	14.99	0.93	[0.51 - 1.57]
Other external causes (E800-807,E820-949,E970-999)	265	266.22	1.00	[0.88 - 1.12]
UNKNOWN CAUSES	41			
OTHER CAUSES	58			

Table 2.10.23
Mortality by cause

TOTAL COHORT
Ever exposed to TALC
Men

Causes of death (ICD 9th.revision)	Observed	Expected	SMR	95% Confidence intervals
ALL CAUSES	3617	4169.46	0.87	[0.84 - 0.90]
ALL MALIGNANT NEOPLASMS (140-208)	879	990.52	0.89	[0.83 - 0.95]
Oral cavity & pharynx (140-149)	15	29.87	0.50	[0.28 - 0.83]
Oral cavity (141,143-145)	6	11.65	0.51	[0.19 - 1.12]
Nasopharynx (147)	0	1.78	0.00	[0.00 - 2.07]
Oesophagus (150)	22	32.78	0.67	[0.42 - 1.02]
Stomach (151)	89	99.75	0.89	[0.72 - 1.10]
Colon (153)	58	58.32	0.99	[0.76 - 1.29]
Rectum (154)	29	39.5	0.73	[0.49 - 1.05]
Liver (155)	17	24.06	0.71	[0.41 - 1.13]
Gallbladder (156)	7	7.75	0.90	[0.36 - 1.86]
Pancreas (157)	44	48.49	0.91	[0.66 - 1.22]
Peritoneum and other unspecified organs(158-159)	2	7.04	0.28	[0.03 - 1.02]
Nose & sinuses (160)	4	4.84	0.83	[0.23 - 2.12]
Larynx (161)	18	18.42	0.98	[0.58 - 1.54]
Lung (162)	265	280.2	0.95	[0.84 - 1.07]
Pleura (163)	4	4.63	0.86	[0.24 - 2.21]
Other respiratory organs (164-165)	4	2.95	1.36	[0.37 - 3.47]
Bone (170)	2	4.93	0.41	[0.05 - 1.46]
Soft tissue (171)	4	4.22	0.95	[0.26 - 2.43]
Melanoma (172)	14	13.98	1.00	[0.55 - 1.68]
Other skin (173)	2	2.79	0.72	[0.09 - 2.59]
Breast (174-175)	0	0.94	0.00	[0.00 - 3.93]
Cervix uteri (180)	0	-	-	-
Corpus uteri & uterus unspecified (179,181-182)	0	-	-	-
Ovary (183)	0	-	-	-
Other female genital organs (184)	0	-	-	-
Prostate (185)	63	75.75	0.83	[0.64 - 1.06]
Testis (186)	4	5.12	0.78	[0.21 - 2.00]
Other male genital organs (187)	2	1.23	1.63	[0.20 - 5.88]
Bladder (188)	31	30.81	1.01	[0.68 - 1.43]
Kidney (189)	24	27.1	0.89	[0.57 - 1.32]
Eye (190)	0	1.36	0.00	[0.00 - 2.70]
Brain (191-192)	24	28.21	0.85	[0.55 - 1.27]
Thyroid (193)	1	2.5	0.40	[0.01 - 2.23]
Other endocrine glands (194)	2	1.44	1.39	[0.17 - 5.03]
Ill defined (195,199)	47	43.06	1.09	[0.80 - 1.45]
Lymphatic & hematopoietic tissue (200-208)	67	78.12	0.86	[0.66 - 1.09]
Non-Hodgkins lymphoma (200,202)	15	24.01	0.62	[0.35 - 1.03]
Hodgkins disease (201)	9	8.35	1.08	[0.49 - 2.05]
Multiple myeloma (203)	12	13.86	0.87	[0.45 - 1.51]
Leukemia & aleukemia (204-208)	31	31.48	0.98	[0.67 - 1.40]
Lymphoid leukemia (204)	5	8.06	0.62	[0.20 - 1.45]
Myeloid leukemia (205)	16	13.65	1.17	[0.67 - 1.90]
BENIGN NEOPLASMS (210-239)	18	17.96	1.00	[0.59 - 1.58]
DIS. OF ENDOCRINE SYSTEM & BLOOD (240-289)	40	63.36	0.63	[0.45 - 0.86]
MENTAL DISORDERS (290-319)	36	50.11	0.72	[0.50 - 0.99]
DIS. OF NERVOUS SYSTEM (320-389)	45	57.89	0.78	[0.57 - 1.04]
DIS. OF CIRCULATORY SYSTEM (390-459)	1660	1786.83	0.93	[0.88 - 0.97]
Hypertension (401-405)	25	35.29	0.71	[0.46 - 1.05]
Ischaemic heart disease (410-414)	1022	1132.43	0.90	[0.85 - 0.96]
Cerebrovascular (430-438)	273	337.59	0.81	[0.72 - 0.91]
Other heart diseases (4150,4152-4299)	125	152.46	0.82	[0.68 - 0.98]
DIS. OF RESPIRATORY SYSTEM (460-519)	183	277.19	0.66	[0.57 - 0.76]
Influenza (487)	1	8.36	0.12	[0.00 - 0.67]
Pneumonia (480-486)	73	112.2	0.65	[0.51 - 0.82]
Bronchitis,emphysema & asthma (490-493)	71	99.01	0.72	[0.56 - 0.90]
Pneumoconioses (500-508)	2	5.62	0.36	[0.04 - 1.29]
DIS. OF DIGESTIVE SYSTEM (520-579)	139	166.05	0.84	[0.70 - 0.99]
Liver cirrhosis (571)	63	74.16	0.85	[0.65 - 1.09]
DIS. OF GENITO-URINARY SYSTEM (580-629)	29	49.1	0.59	[0.40 - 0.85]
Nephritis & nephrosis (580-589)	10	25.37	0.39	[0.19 - 0.72]
DIS. OF THE SKIN (680-739)	9	12.37	0.73	[0.33 - 1.38]
SYMPTOMS AND ILL-DEFINED CONDITIONS (780-799)	63	97.86	0.64	[0.49 - 0.82]
EXTERNAL CAUSES (E800-999)	421	538.19	0.78	[0.71 - 0.86]
Traffic accident (E810-819)	62	109.11	0.57	[0.44 - 0.73]
Suicide (E950-959)	105	166.14	0.63	[0.52 - 0.77]
Homicide (E960-969)	14	13.59	1.03	[0.56 - 1.73]
Other external causes (E800-807,E820-949,E970-999)	240	249.35	0.96	[0.84 - 1.09]
UNKNOWN CAUSES	39			
OTHER CAUSES	56			

Table 2.10.23
Mortality by cause

TOTAL COHORT
Ever exposed to TALC
Women

Causes of death (ICD 9th.revision)	Observed	Expected	SMR	95% Confidence intervals
ALL CAUSES	529	604.03	0.88	[0.80 - 0.95]
ALL MALIGNANT NEOPLASMS (140-208)	169	164.75	1.03	[0.88 - 1.19]
Oral cavity & pharynx (140-149)	1	1.68	0.60	[0.01 - 3.32]
Oral cavity (141,143-145)	1	0.78	1.28	[0.03 - 7.12]
Nasopharynx (147)	0	0.14	0.00	[0.00 - 25.9]
Oesophagus (150)	3	2.83	1.06	[0.22 - 3.10]
Stomach (151)	15	13.41	1.12	[0.63 - 1.85]
Colon (153)	7	11.78	0.59	[0.24 - 1.22]
Rectum (154)	5	6.22	0.80	[0.26 - 1.88]
Liver (155)	5	3.03	1.65	[0.54 - 3.85]
Gallbladder (156)	1	3.36	0.30	[0.01 - 1.66]
Pancreas (157)	6	8.64	0.69	[0.25 - 1.51]
Peritoneum and other unspecified organs(158-159)	2	1.44	1.39	[0.17 - 5.00]
Nose & sinuses (160)	0	0.27	0.00	[0.00 - 13.6]
Larynx (161)	0	0.3	0.00	[0.00 - 12.5]
Lung (162)	21	14.75	1.42	[0.88 - 2.18]
Pleura (163)	1	0.3	3.32	[0.08 - 18.5]
Other respiratory organs (164-165)	0	0.25	0.00	[0.00 - 14.5]
Bone (170)	0	0.61	0.00	[0.00 - 6.00]
Soft tissue (171)	3	0.79	3.78	[0.78 - 11.0]
Melanoma (172)	2	2.25	0.89	[0.11 - 3.21]
Other skin (173)	0	0.41	0.00	[0.00 - 9.06]
Breast (174-175)	28	31.64	0.88	[0.59 - 1.28]
Cervix uteri (180)	7	7.42	0.94	[0.38 - 1.94]
Corpus uteri & uterus unspecified (179,181-182)	5	5.26	0.95	[0.31 - 2.22]
Ovary (183)	14	12.38	1.13	[0.62 - 1.90]
Other female genital organs (184)	2	1.27	1.58	[0.19 - 5.71]
Prostate (185)	0	-	-	-
Testis (186)	0	-	-	-
Other male genital organs (187)	0	-	-	-
Bladder (188)	3	2.13	1.41	[0.29 - 4.11]
Kidney (189)	3	3.79	0.79	[0.16 - 2.32]
Eye (190)	0	0.3	0.00	[0.00 - 12.4]
Brain (191-192)	5	4.76	1.05	[0.34 - 2.45]
Thyroid (193)	0	1.01	0.00	[0.00 - 3.65]
Other endocrine glands (194)	0	0.28	0.00	[0.00 - 13.1]
Ill defined (195,199)	9	6.92	1.30	[0.60 - 2.47]
Lymphatic & hematopoietic tissue (200-208)	17	13.36	1.27	[0.74 - 2.04]
Non-Hodgkins lymphoma (200,202)	4	4.06	0.99	[0.27 - 2.52]
Hodgkins disease (201)	3	1.21	2.48	[0.51 - 7.24]
Multiple myeloma (203)	4	2.61	1.53	[0.42 - 3.92]
Leukemia & aleukemia (204-208)	6	5.38	1.12	[0.41 - 2.43]
Lymphoid leukemia (204)	0	1.11	0.00	[0.00 - 3.32]
Myeloid leukemia (205)	3	2.52	1.19	[0.25 - 3.48]
BENIGN NEOPLASMS (210-239)	3	3.36	0.89	[0.18 - 2.61]
DIS. OF ENDOCRINE SYSTEM & BLOOD (240-289)	9	13.89	0.65	[0.30 - 1.23]
MENTAL DISORDERS (290-319)	2	10.26	0.19	[0.02 - 0.70]
DIS. OF NERVOUS SYSTEM (320-389)	12	10.78	1.11	[0.58 - 1.94]
DIS. OF CIRCULATORY SYSTEM (390-459)	236	269.49	0.88	[0.77 - 0.99]
Hypertension (401-405)	8	8.92	0.90	[0.39 - 1.77]
Ischaemic heart disease (410-414)	116	128.27	0.90	[0.75 - 1.08]
Cerebrovascular (430-438)	57	79.54	0.72	[0.54 - 0.93]
Other heart diseases (4150,4152-4299)	28	27.94	1.00	[0.67 - 1.45]
DIS. OF RESPIRATORY SYSTEM (460-519)	34	37.59	0.90	[0.63 - 1.26]
Influenza (487)	1	1.95	0.51	[0.01 - 2.86]
Pneumonia (480-486)	23	21.76	1.06	[0.67 - 1.59]
Bronchitis,emphysema & asthma (490-493)	7	8.44	0.83	[0.33 - 1.71]
Pneumoconioses (500-508)	0	0.15	0.00	[0.00 - 24.6]
DIS. OF DIGESTIVE SYSTEM (520-579)	15	21.4	0.70	[0.39 - 1.16]
Liver cirrhosis (571)	4	5.44	0.74	[0.20 - 1.88]
DIS. OF GENITO-URINARY SYSTEM (580-629)	7	10.82	0.65	[0.26 - 1.33]
Nephritis & nephrosis (580-589)	2	4.43	0.45	[0.05 - 1.63]
DIS. OF THE SKIN (680-739)	2	5.36	0.37	[0.05 - 1.35]
SYMPTOMS AND ILL-DEFINED CONDITIONS (780-799)	2	7.24	0.28	[0.03 - 1.00]
EXTERNAL CAUSES (E800-999)	34	38.35	0.89	[0.61 - 1.24]
Traffic accident (E810-819)	6	7.35	0.82	[0.30 - 1.78]
Suicide (E950-959)	3	12.73	0.24	[0.05 - 0.69]
Homicide (E960-969)	0	1.4	0.00	[0.00 - 2.63]
Other external causes (E800-807,E820-949,E970-999)	25	16.87	1.48	[0.96 - 2.19]
UNKNOWN CAUSES	2			
OTHER CAUSES	2			

Table 2.10.24
Mortality by cause

TOTAL COHORT

Ever exposed to TERP (terpenes)

Causes of death (ICD 9th.revision)	Observed	Expected	SMR	95% Confidence intervals
ALL CAUSES	2953	3532.89	0.84	[0.81 - 0.87]
ALL MALIGNANT NEOPLASMS (140-208)	669	780.18	0.86	[0.79 - 0.93]
Oral cavity & pharynx (140-149)	12	18.74	0.64	[0.33 - 1.12]
Oral cavity (141,143-145)	4	7.09	0.56	[0.15 - 1.44]
Nasopharynx (147)	0	1.16	0.00	[0.00 - 3.19]
Oesophagus (150)	11	20.26	0.54	[0.27 - 0.97]
Stomach (151)	90	88.16	1.02	[0.82 - 1.25]
Colon (153)	42	44.4	0.95	[0.68 - 1.28]
Rectum (154)	22	30.63	0.72	[0.45 - 1.09]
Liver (155)	15	18.02	0.83	[0.47 - 1.37]
Gallbladder (156)	3	7.6	0.39	[0.08 - 1.15]
Pancreas (157)	38	42	0.90	[0.64 - 1.24]
Peritoneum and other unspecified organs(158-159)	3	5.36	0.56	[0.12 - 1.63]
Nose & sinuses (160)	3	2.96	1.01	[0.21 - 2.96]
Larynx (161)	17	11.38	1.49	[0.87 - 2.39]
Lung (162)	180	198.34	0.91	[0.78 - 1.05]
Pleura (163)	7	3.2	2.19	[0.88 - 4.51]
Other respiratory organs (164-165)	3	2.26	1.32	[0.27 - 3.87]
Bone (170)	0	3.4	0.00	[0.00 - 1.09]
Soft tissue (171)	1	3.33	0.30	[0.01 - 1.67]
Melanoma (172)	7	10.73	0.65	[0.26 - 1.34]
Other skin (173)	3	2.34	1.28	[0.26 - 3.75]
Breast (174-175)	7	9.03	0.78	[0.31 - 1.60]
Cervix uteri (180)	1	2.09	0.48	[0.01 - 2.66]
Corpus uteri & uterus unspecified (179,181-182)	3	1.77	1.70	[0.35 - 4.95]
Ovary (183)	3	3.55	0.84	[0.17 - 2.47]
Other female genital organs (184)	1	0.44	2.29	[0.06 - 12.8]
Prostate (185)	48	71.72	0.67	[0.49 - 0.89]
Testis (186)	1	2.61	0.38	[0.01 - 2.14]
Other male genital organs (187)	0	0.84	0.00	[0.00 - 4.40]
Bladder (188)	22	22.81	0.96	[0.60 - 1.46]
Kidney (189)	14	22.25	0.63	[0.34 - 1.06]
Eye (190)	1	1.2	0.83	[0.02 - 4.64]
Brain (191-192)	17	19.9	0.85	[0.50 - 1.37]
Thyroid (193)	1	2.43	0.41	[0.01 - 2.29]
Other endocrine glands (194)	2	1.16	1.73	[0.21 - 6.24]
Ill defined (195,199)	29	29.64	0.98	[0.66 - 1.41]
Lymphatic & hematopoietic tissue (200-208)	51	64.78	0.79	[0.59 - 1.04]
Non-Hodgkins lymphoma (200,202)	15	19.32	0.78	[0.43 - 1.28]
Hodgkins disease (201)	7	6.27	1.12	[0.45 - 2.30]
Multiple myeloma (203)	10	12.45	0.80	[0.39 - 1.48]
Leukemia & aleukemia (204-208)	19	26	0.73	[0.44 - 1.14]
Lymphoid leukemia (204)	4	6.88	0.58	[0.16 - 1.49]
Myeloid leukemia (205)	7	10.52	0.67	[0.27 - 1.37]
BENIGN NEOPLASMS (210-239)	11	14.77	0.74	[0.37 - 1.33]
DIS. OF ENDOCRINE SYSTEM & BLOOD (240-289)	35	52.01	0.67	[0.47 - 0.94]
MENTAL DISORDERS (290-319)	17	43.54	0.39	[0.23 - 0.63]
DIS. OF NERVOUS SYSTEM (320-389)	39	46.84	0.83	[0.59 - 1.14]
DIS. OF CIRCULATORY SYSTEM (390-459)	1422	1640.77	0.87	[0.82 - 0.91]
Hypertension (401-405)	19	35.4	0.54	[0.32 - 0.84]
Ischaemic heart disease (410-414)	829	1022.34	0.81	[0.76 - 0.87]
Cerebrovascular (430-438)	237	319.37	0.74	[0.65 - 0.84]
Other heart diseases (4150,4152-4299)	125	143.78	0.87	[0.72 - 1.04]
DIS. OF RESPIRATORY SYSTEM (460-519)	166	231.43	0.72	[0.61 - 0.84]
Influenza (487)	3	8.23	0.36	[0.08 - 1.07]
Pneumonia (480-486)	81	111.72	0.73	[0.58 - 0.90]
Bronchitis,emphysema & asthma (490-493)	54	76.19	0.71	[0.53 - 0.92]
Pneumoconioses (500-508)	2	3.11	0.64	[0.08 - 2.32]
DIS. OF DIGESTIVE SYSTEM (520-579)	96	124.58	0.77	[0.62 - 0.94]
Liver cirrhosis (571)	43	44.8	0.96	[0.69 - 1.29]
DIS. OF GENITO-URINARY SYSTEM (580-629)	31	48.81	0.64	[0.43 - 0.90]
Nephritis & nephrosis (580-589)	12	21.7	0.55	[0.29 - 0.97]
DIS. OF THE SKIN (680-739)	10	11.98	0.83	[0.40 - 1.53]
SYMPTOMS AND ILL-DEFINED CONDITIONS (780-799)	51	75.56	0.67	[0.50 - 0.89]
EXTERNAL CAUSES (E800-999)	319	404.98	0.79	[0.70 - 0.88]
Traffic accident (E810-819)	37	72.03	0.51	[0.36 - 0.71]
Suicide (E950-959)	71	124.66	0.57	[0.44 - 0.72]
Homicide (E960-969)	5	12.25	0.41	[0.13 - 0.95]
Other external causes (E800-807,E820-949,E970-999)	206	196.05	1.05	[0.91 - 1.20]
UNKNOWN CAUSES	18			
OTHER CAUSES	69			

Table 2.10.24
Mortality by cause

TOTAL COHORT

Ever exposed to TERP (terpenes)

Men

Causes of death (ICD 9th.revision)	Observed	Expected	SMR	95% Confidence intervals
ALL CAUSES	2806	3320.14	0.85	[0.81 - 0.88]
ALL MALIGNANT NEOPLASMS (140-208)	629	730.66	0.86	[0.79 - 0.93]
Oral cavity & pharynx (140-149)	12	18.22	0.66	[0.34 - 1.15]
Oral cavity (141,143-145)	4	6.85	0.58	[0.16 - 1.50]
Nasopharynx (147)	0	1.12	0.00	[0.00 - 3.31]
Oesophagus (150)	11	19.33	0.57	[0.28 - 1.02]
Stomach (151)	82	83.29	0.98	[0.78 - 1.22]
Colon (153)	40	41.4	0.97	[0.69 - 1.32]
Rectum (154)	19	28.71	0.66	[0.40 - 1.03]
Liver (155)	15	16.69	0.90	[0.50 - 1.48]
Gallbladder (156)	2	6.2	0.32	[0.04 - 1.16]
Pancreas (157)	34	38.78	0.88	[0.61 - 1.23]
Peritoneum and other unspecified organs(158-159)	3	4.81	0.62	[0.13 - 1.82]
Nose & sinuses (160)	3	2.87	1.05	[0.22 - 3.06]
Larynx (161)	17	11.31	1.50	[0.88 - 2.41]
Lung (162)	179	195.21	0.92	[0.79 - 1.06]
Pleura (163)	6	3.08	1.95	[0.72 - 4.25]
Other respiratory organs (164-165)	3	2.18	1.38	[0.28 - 4.02]
Bone (170)	0	3.21	0.00	[0.00 - 1.15]
Soft tissue (171)	1	3.08	0.32	[0.01 - 1.81]
Melanoma (172)	7	10.12	0.69	[0.28 - 1.43]
Other skin (173)	3	2.2	1.36	[0.28 - 3.98]
Breast (174-175)	0	0.59	0.00	[0.00 - 6.28]
Cervix uteri (180)	0	-	-	-
Corpus uteri & uterus unspecified (179,181-182)	0	-	-	-
Ovary (183)	0	-	-	-
Other female genital organs (184)	0	-	-	-
Prostate (185)	48	71.72	0.67	[0.49 - 0.89]
Testis (186)	1	2.61	0.38	[0.01 - 2.14]
Other male genital organs (187)	0	0.84	0.00	[0.00 - 4.40]
Bladder (188)	22	22.26	0.99	[0.62 - 1.50]
Kidney (189)	14	20.92	0.67	[0.37 - 1.12]
Eye (190)	1	1.1	0.91	[0.02 - 5.07]
Brain (191-192)	17	18.55	0.92	[0.53 - 1.47]
Thyroid (193)	1	2.03	0.49	[0.01 - 2.74]
Other endocrine glands (194)	2	1.07	1.87	[0.23 - 6.75]
Ill defined (195,199)	28	28.02	1.00	[0.66 - 1.44]
Lymphatic & hematopoietic tissue (200-208)	49	60.26	0.81	[0.60 - 1.07]
Non-Hodgkins lymphoma (200,202)	15	17.91	0.84	[0.47 - 1.38]
Hodgkins disease (201)	5	5.91	0.85	[0.27 - 1.97]
Multiple myeloma (203)	10	11.5	0.87	[0.42 - 1.60]
Leukemia & aleukemia (204-208)	19	24.25	0.78	[0.47 - 1.22]
Lymphoid leukemia (204)	4	6.46	0.62	[0.17 - 1.58]
Myeloid leukemia (205)	7	9.73	0.72	[0.29 - 1.48]
BENIGN NEOPLASMS (210-239)	10	13.58	0.74	[0.35 - 1.35]
DIS. OF ENDOCRINE SYSTEM & BLOOD (240-289)	34	47.44	0.72	[0.50 - 1.00]
MENTAL DISORDERS (290-319)	17	37.85	0.45	[0.26 - 0.72]
DIS. OF NERVOUS SYSTEM (320-389)	37	43.05	0.86	[0.61 - 1.18]
DIS. OF CIRCULATORY SYSTEM (390-459)	1347	1535.87	0.88	[0.83 - 0.93]
Hypertension (401-405)	19	31.77	0.60	[0.36 - 0.93]
Ischaemic heart disease (410-414)	790	971.11	0.81	[0.76 - 0.87]
Cerebrovascular (430-438)	220	289.1	0.76	[0.66 - 0.87]
Other heart diseases (4150,4152-4299)	116	132.67	0.87	[0.72 - 1.05]
DIS. OF RESPIRATORY SYSTEM (460-519)	160	219.12	0.73	[0.62 - 0.85]
Influenza (487)	3	7.53	0.40	[0.08 - 1.16]
Pneumonia (480-486)	75	103.3	0.73	[0.57 - 0.91]
Bronchitis,emphysema & asthma (490-493)	54	74.04	0.73	[0.55 - 0.95]
Pneumoconioses (500-508)	2	3.06	0.65	[0.08 - 2.36]
DIS. OF DIGESTIVE SYSTEM (520-579)	96	117.5	0.82	[0.66 - 1.00]
Liver cirrhosis (571)	43	43.54	0.99	[0.71 - 1.33]
DIS. OF GENITO-URINARY SYSTEM (580-629)	24	44.7	0.54	[0.34 - 0.80]
Nephritis & nephrosis (580-589)	10	20.25	0.49	[0.24 - 0.91]
DIS. OF THE SKIN (680-739)	9	9.9	0.91	[0.42 - 1.73]
SYMPTOMS AND ILL-DEFINED CONDITIONS (780-799)	51	74.11	0.69	[0.51 - 0.90]
EXTERNAL CAUSES (E800-999)	307	392.88	0.78	[0.70 - 0.87]
Traffic accident (E810-819)	36	69.88	0.52	[0.36 - 0.71]
Suicide (E950-959)	69	121.08	0.57	[0.44 - 0.72]
Homicide (E960-969)	5	11.79	0.42	[0.14 - 0.99]
Other external causes (E800-807,E820-949,E970-999)	197	190.14	1.04	[0.90 - 1.19]
UNKNOWN CAUSES	18			
OTHER CAUSES	67			

Table 2.10.24
Mortality by cause

TOTAL COHORT

Ever exposed to TERP (terpenes)

Women

Causes of death (ICD 9th.revision)	Observed	Expected	SMR	95% Confidence intervals
ALL CAUSES	147	212.75	0.69	[0.58 - 0.81]
ALL MALIGNANT NEOPLASMS (140-208)	40	49.52	0.81	[0.58 - 1.10]
Oral cavity & pharynx (140-149)	0	0.53	0.00	[0.00 - 6.98]
Oral cavity (141,143-145)	0	0.24	0.00	[0.00 - 15.1]
Nasopharynx (147)	0	0.04	0.00	[0.00 - 86.9]
Oesophagus (150)	0	0.94	0.00	[0.00 - 3.94]
Stomach (151)	8	4.87	1.64	[0.71 - 3.24]
Colon (153)	2	3.01	0.67	[0.08 - 2.40]
Rectum (154)	3	1.92	1.56	[0.32 - 4.56]
Liver (155)	0	1.33	0.00	[0.00 - 2.77]
Gallbladder (156)	1	1.4	0.71	[0.02 - 3.98]
Pancreas (157)	4	3.22	1.24	[0.34 - 3.18]
Peritoneum and other unspecified organs(158-159)	0	0.56	0.00	[0.00 - 6.61]
Nose & sinuses (160)	0	0.09	0.00	[0.00 - 39.8]
Larynx (161)	0	0.07	0.00	[0.00 - 55.0]
Lung (162)	1	3.12	0.32	[0.01 - 1.78]
Pleura (163)	1	0.13	8.00	[0.20 - 44.6]
Other respiratory organs (164-165)	0	0.08	0.00	[0.00 - 44.6]
Bone (170)	0	0.19	0.00	[0.00 - 19.8]
Soft tissue (171)	0	0.25	0.00	[0.00 - 14.9]
Melanoma (172)	0	0.62	0.00	[0.00 - 5.99]
Other skin (173)	0	0.14	0.00	[0.00 - 27.1]
Breast (174-175)	7	8.44	0.83	[0.33 - 1.71]
Cervix uteri (180)	1	2.09	0.48	[0.01 - 2.66]
Corpus uteri & uterus unspecified (179,181-182)	3	1.77	1.70	[0.35 - 4.95]
Ovary (183)	3	3.55	0.84	[0.17 - 2.47]
Other female genital organs (184)	1	0.44	2.29	[0.06 - 12.8]
Prostate (185)	0	-	-	-
Testis (186)	0	-	-	-
Other male genital organs (187)	0	-	-	-
Bladder (188)	0	0.55	0.00	[0.00 - 6.67]
Kidney (189)	0	1.33	0.00	[0.00 - 2.78]
Eye (190)	0	0.1	0.00	[0.00 - 35.9]
Brain (191-192)	0	1.35	0.00	[0.00 - 2.73]
Thyroid (193)	0	0.4	0.00	[0.00 - 9.17]
Other endocrine glands (194)	0	0.09	0.00	[0.00 - 42.5]
Ill defined (195,199)	1	1.62	0.62	[0.02 - 3.44]
Lymphatic & hematopoietic tissue (200-208)	2	4.52	0.44	[0.05 - 1.60]
Non-Hodgkins lymphoma (200,202)	0	1.41	0.00	[0.00 - 2.63]
Hodgkins disease (201)	2	0.36	5.63	[0.68 - 20.3]
Multiple myeloma (203)	0	0.95	0.00	[0.00 - 3.90]
Leukemia & aleukemia (204-208)	0	1.75	0.00	[0.00 - 2.11]
Lymphoid leukemia (204)	0	0.41	0.00	[0.00 - 8.92]
Myeloid leukemia (205)	0	0.79	0.00	[0.00 - 4.69]
BENIGN NEOPLASMS (210-239)	1	1.2	0.83	[0.02 - 4.65]
DIS. OF ENDOCRINE SYSTEM & BLOOD (240-289)	1	4.56	0.22	[0.01 - 1.22]
MENTAL DISORDERS (290-319)	0	5.68	0.00	[0.00 - 0.65]
DIS. OF NERVOUS SYSTEM (320-389)	2	3.8	0.53	[0.06 - 1.90]
DIS. OF CIRCULATORY SYSTEM (390-459)	75	104.9	0.71	[0.56 - 0.90]
Hypertension (401-405)	0	3.62	0.00	[0.00 - 1.02]
Ischaemic heart disease (410-414)	39	51.24	0.76	[0.54 - 1.04]
Cerebrovascular (430-438)	17	30.27	0.56	[0.33 - 0.90]
Other heart diseases (4150,4152-4299)	9	11.11	0.81	[0.37 - 1.54]
DIS. OF RESPIRATORY SYSTEM (460-519)	6	12.31	0.49	[0.18 - 1.06]
Influenza (487)	0	0.7	0.00	[0.00 - 5.30]
Pneumonia (480-486)	6	8.42	0.71	[0.26 - 1.55]
Bronchitis,emphysema & asthma (490-493)	0	2.14	0.00	[0.00 - 1.72]
Pneumoconioses (500-508)	0	0.05	0.00	[0.00 - 70.2]
DIS. OF DIGESTIVE SYSTEM (520-579)	0	7.08	0.00	[0.00 - 0.52]
Liver cirrhosis (571)	0	1.26	0.00	[0.00 - 2.92]
DIS. OF GENITO-URINARY SYSTEM (580-629)	7	4.11	1.70	[0.68 - 3.51]
Nephritis & nephrosis (580-589)	2	1.45	1.38	[0.17 - 4.97]
DIS. OF THE SKIN (680-739)	1	2.09	0.48	[0.01 - 2.67]
SYMPTOMS AND ILL-DEFINED CONDITIONS (780-799)	0	1.46	0.00	[0.00 - 2.53]
EXTERNAL CAUSES (E800-999)	12	12.09	0.99	[0.51 - 1.73]
Traffic accident (E810-819)	1	2.15	0.47	[0.01 - 2.60]
Suicide (E950-959)	2	3.57	0.56	[0.07 - 2.02]
Homicide (E960-969)	0	0.46	0.00	[0.00 - 8.07]
Other external causes (E800-807,E820-949,E970-999)	9	5.91	1.52	[0.70 - 2.89]
UNKNOWN CAUSES	0			
OTHER CAUSES	2			

**Table 2.10.25
Mortality by cause**

TOTAL COHORT

Ever exposed to TIO2 (titanium dioxide)

Causes of death (ICD 9th.revision)	Observed	Expected	SMR	95% Confidence intervals
ALL CAUSES	3010	3306.22	0.91	[0.88 - 0.94]
ALL MALIGNANT NEOPLASMS (140-208)	786	863.28	0.91	[0.85 - 0.98]
Oral cavity & pharynx (140-149)	9	24.57	0.37	[0.17 - 0.70]
Oral cavity (141,143-145)	4	9.85	0.41	[0.11 - 1.04]
Nasopharynx (147)	0	1.49	0.00	[0.00 - 2.48]
Oesophagus (150)	20	27.67	0.72	[0.44 - 1.12]
Stomach (151)	65	67.21	0.97	[0.75 - 1.23]
Colon (153)	46	59.29	0.78	[0.57 - 1.03]
Rectum (154)	33	35.84	0.92	[0.63 - 1.29]
Liver (155)	13	16.28	0.80	[0.43 - 1.37]
Gallbladder (156)	5	6.92	0.72	[0.23 - 1.69]
Pancreas (157)	42	40.6	1.03	[0.75 - 1.40]
Peritoneum and other unspecified organs(158-159)	4	5.56	0.72	[0.20 - 1.84]
Nose & sinuses (160)	3	3.76	0.80	[0.16 - 2.33]
Larynx (161)	15	14.09	1.06	[0.60 - 1.76]
Lung (162)	212	225.87	0.94	[0.82 - 1.07]
Pleura (163)	2	3.65	0.55	[0.07 - 1.98]
Other respiratory organs (164-165)	3	2.21	1.36	[0.28 - 3.97]
Bone (170)	2	3.74	0.54	[0.06 - 1.93]
Soft tissue (171)	4	3.54	1.13	[0.31 - 2.89]
Melanoma (172)	14	11.94	1.17	[0.64 - 1.97]
Other skin (173)	2	2.32	0.86	[0.10 - 3.12]
Breast (174-175)	31	30.46	1.02	[0.69 - 1.44]
Cervix uteri (180)	7	7.57	0.92	[0.37 - 1.91]
Corpus uteri & uterus unspecified (179,181-182)	1	3.9	0.26	[0.01 - 1.43]
Ovary (183)	12	11.36	1.06	[0.55 - 1.85]
Other female genital organs (184)	1	0.89	1.12	[0.03 - 6.26]
Prostate (185)	49	54.54	0.90	[0.66 - 1.19]
Testis (186)	3	4.05	0.74	[0.15 - 2.17]
Other male genital organs (187)	1	0.96	1.04	[0.03 - 5.81]
Bladder (188)	23	27.35	0.84	[0.53 - 1.26]
Kidney (189)	17	22.82	0.74	[0.43 - 1.19]
Eye (190)	0	1.17	0.00	[0.00 - 3.15]
Brain (191-192)	21	24.71	0.85	[0.53 - 1.30]
Thyroid (193)	1	2.35	0.43	[0.01 - 2.37]
Other endocrine glands (194)	0	1.21	0.00	[0.00 - 3.05]
Ill defined (195,199)	52	41.48	1.25	[0.94 - 1.64]
Lymphatic & hematopoietic tissue (200-208)	61	65.3	0.93	[0.71 - 1.20]
Non-Hodgkins lymphoma (200,202)	16	20.18	0.79	[0.45 - 1.29]
Hodgkins disease (201)	8	6.63	1.21	[0.52 - 2.38]
Multiple myeloma (203)	11	11.93	0.92	[0.46 - 1.65]
Leukemia & aleukemia (204-208)	26	26.34	0.99	[0.64 - 1.45]
Lymphoid leukemia (204)	4	6.76	0.59	[0.16 - 1.51]
Myeloid leukemia (205)	16	11.93	1.34	[0.77 - 2.18]
BENIGN NEOPLASMS (210-239)	13	15.21	0.85	[0.45 - 1.46]
DIS. OF ENDOCRINE SYSTEM & BLOOD (240-289)	34	56.92	0.60	[0.41 - 0.83]
MENTAL DISORDERS (290-319)	28	37.64	0.74	[0.49 - 1.08]
DIS. OF NERVOUS SYSTEM (320-389)	34	47.58	0.71	[0.49 - 1.00]
DIS. OF CIRCULATORY SYSTEM (390-459)	1383	1391.32	0.99	[0.94 - 1.05]
Hypertension (401-405)	24	28.03	0.86	[0.55 - 1.27]
Ischaemic heart disease (410-414)	899	875.49	1.03	[0.96 - 1.10]
Cerebrovascular (430-438)	261	269.51	0.97	[0.85 - 1.09]
Other heart diseases (4150,4152-4299)	88	111.69	0.79	[0.63 - 0.97]
DIS. OF RESPIRATORY SYSTEM (460-519)	186	226.54	0.82	[0.71 - 0.95]
Influenza (487)	3	6.16	0.49	[0.10 - 1.42]
Pneumonia (480-486)	62	86.23	0.72	[0.55 - 0.92]
Bronchitis,emphysema & asthma (490-493)	88	82.52	1.07	[0.86 - 1.31]
Pneumoconioses (500-508)	2	4.66	0.43	[0.05 - 1.55]
DIS. OF DIGESTIVE SYSTEM (520-579)	108	134.27	0.80	[0.66 - 0.97]
Liver cirrhosis (571)	43	60.21	0.71	[0.52 - 0.96]
DIS. OF GENITO-URINARY SYSTEM (580-629)	28	39.95	0.70	[0.47 - 1.01]
Nephritis & nephrosis (580-589)	15	17.81	0.84	[0.47 - 1.39]
DIS. OF THE SKIN (680-739)	12	11.71	1.02	[0.53 - 1.79]
SYMPTOMS AND ILL-DEFINED CONDITIONS (780-799)	43	86.01	0.50	[0.36 - 0.67]
EXTERNAL CAUSES (E800-999)	300	355.47	0.84	[0.75 - 0.95]
Traffic accident (E810-819)	53	78.16	0.68	[0.51 - 0.89]
Suicide (E950-959)	99	113.99	0.87	[0.71 - 1.06]
Homicide (E960-969)	8	9.45	0.85	[0.37 - 1.67]
Other external causes (E800-807,E820-949,E970-999)	140	153.88	0.91	[0.77 - 1.07]
UNKNOWN CAUSES	20			
OTHER CAUSES	35			

**Table 2.10.25
Mortality by cause**

TOTAL COHORT

Ever exposed to TIO2 (titanium dioxide)

Men

Causes of death (ICD 9th.revision)	Observed	Expected	SMR	95% Confidence intervals
ALL CAUSES	2587	2871.97	0.90	[0.87 - 0.94]
ALL MALIGNANT NEOPLASMS (140-208)	640	721.49	0.89	[0.82 - 0.96]
Oral cavity & pharynx (140-149)	9	23.2	0.39	[0.18 - 0.74]
Oral cavity (141,143-145)	4	9.21	0.43	[0.12 - 1.11]
Nasopharynx (147)	0	1.36	0.00	[0.00 - 2.70]
Oesophagus (150)	19	25.6	0.74	[0.45 - 1.16]
Stomach (151)	56	59.58	0.94	[0.71 - 1.22]
Colon (153)	40	47.91	0.83	[0.60 - 1.14]
Rectum (154)	25	30.54	0.82	[0.53 - 1.21]
Liver (155)	11	14.67	0.75	[0.37 - 1.34]
Gallbladder (156)	4	5.05	0.79	[0.22 - 2.03]
Pancreas (157)	36	34.3	1.05	[0.74 - 1.45]
Peritoneum and other unspecified organs(158-159)	3	4.84	0.62	[0.13 - 1.81]
Nose & sinuses (160)	3	3.57	0.84	[0.17 - 2.46]
Larynx (161)	14	13.77	1.02	[0.56 - 1.71]
Lung (162)	185	208.4	0.89	[0.76 - 1.03]
Pleura (163)	2	3.44	0.58	[0.07 - 2.10]
Other respiratory organs (164-165)	3	2.01	1.49	[0.31 - 4.35]
Bone (170)	2	3.32	0.60	[0.07 - 2.17]
Soft tissue (171)	2	2.91	0.69	[0.08 - 2.48]
Melanoma (172)	12	9.84	1.22	[0.63 - 2.13]
Other skin (173)	1	2.03	0.49	[0.01 - 2.75]
Breast (174-175)	0	0.81	0.00	[0.00 - 4.53]
Cervix uteri (180)	0	-	-	-
Corpus uteri & uterus unspecified (179,181-182)	0	-	-	-
Ovary (183)	0	-	-	-
Other female genital organs (184)	0	-	-	-
Prostate (185)	49	54.54	0.90	[0.66 - 1.19]
Testis (186)	3	4.05	0.74	[0.15 - 2.17]
Other male genital organs (187)	1	0.96	1.04	[0.03 - 5.81]
Bladder (188)	21	25.2	0.83	[0.52 - 1.27]
Kidney (189)	15	19.78	0.76	[0.42 - 1.25]
Eye (190)	0	0.94	0.00	[0.00 - 3.93]
Brain (191-192)	16	20.57	0.78	[0.44 - 1.26]
Thyroid (193)	1	1.73	0.58	[0.01 - 3.23]
Other endocrine glands (194)	0	0.97	0.00	[0.00 - 3.80]
Ill defined (195,199)	46	34.6	1.33	[0.97 - 1.77]
Lymphatic & hematopoietic tissue (200-208)	50	55.21	0.91	[0.67 - 1.19]
Non-Hodgkins lymphoma (200,202)	13	17.04	0.76	[0.41 - 1.30]
Hodgkins disease (201)	7	5.63	1.24	[0.50 - 2.56]
Multiple myeloma (203)	10	10.03	1.00	[0.48 - 1.83]
Leukemia & aleukemia (204-208)	20	22.31	0.90	[0.55 - 1.38]
Lymphoid leukemia (204)	4	5.97	0.67	[0.18 - 1.71]
Myeloid leukemia (205)	12	9.84	1.22	[0.63 - 2.13]
BENIGN NEOPLASMS (210-239)	11	12.71	0.87	[0.43 - 1.55]
DIS. OF ENDOCRINE SYSTEM & BLOOD (240-289)	29	47.54	0.61	[0.41 - 0.88]
MENTAL DISORDERS (290-319)	27	33.07	0.82	[0.54 - 1.19]
DIS. OF NERVOUS SYSTEM (320-389)	27	39.59	0.68	[0.45 - 0.99]
DIS. OF CIRCULATORY SYSTEM (390-459)	1201	1223.18	0.98	[0.93 - 1.04]
Hypertension (401-405)	14	23.94	0.58	[0.32 - 0.98]
Ischaemic heart disease (410-414)	798	789.46	1.01	[0.94 - 1.08]
Cerebrovascular (430-438)	213	221.68	0.96	[0.84 - 1.10]
Other heart diseases (4150,4152-4299)	78	98.07	0.80	[0.63 - 0.99]
DIS. OF RESPIRATORY SYSTEM (460-519)	156	197.58	0.79	[0.67 - 0.92]
Influenza (487)	1	5.11	0.20	[0.00 - 1.09]
Pneumonia (480-486)	43	72.71	0.59	[0.43 - 0.80]
Bronchitis,emphysema & asthma (490-493)	79	73.56	1.07	[0.85 - 1.34]
Pneumoconioses (500-508)	2	4.55	0.44	[0.05 - 1.59]
DIS. OF DIGESTIVE SYSTEM (520-579)	100	118.28	0.85	[0.69 - 1.03]
Liver cirrhosis (571)	41	55.19	0.74	[0.53 - 1.01]
DIS. OF GENITO-URINARY SYSTEM (580-629)	23	33.08	0.70	[0.44 - 1.04]
Nephritis & nephrosis (580-589)	14	15.16	0.92	[0.51 - 1.55]
DIS. OF THE SKIN (680-739)	8	8.32	0.96	[0.42 - 1.90]
SYMPTOMS AND ILL-DEFINED CONDITIONS (780-799)	39	77.66	0.50	[0.36 - 0.69]
EXTERNAL CAUSES (E800-999)	276	325.62	0.85	[0.75 - 0.95]
Traffic accident (E810-819)	48	72.46	0.66	[0.49 - 0.88]
Suicide (E950-959)	91	102.61	0.89	[0.71 - 1.09]
Homicide (E960-969)	8	8.45	0.95	[0.41 - 1.87]
Other external causes (E800-807,E820-949,E970-999)	129	142.11	0.91	[0.76 - 1.08]
UNKNOWN CAUSES	20			
OTHER CAUSES	30			

Table 2.10.25
Mortality by cause

TOTAL COHORT

Ever exposed to TIO2 (titanium dioxide)

Women

Causes of death (ICD 9th.revision)	Observed	Expected	SMR	95% Confidence intervals
ALL CAUSES	423	434.25	0.97	[0.88 - 1.07]
ALL MALIGNANT NEOPLASMS (140-208)	146	141.79	1.03	[0.87 - 1.21]
Oral cavity & pharynx (140-149)	0	1.37	0.00	[0.00 - 2.70]
Oral cavity (141,143-145)	0	0.64	0.00	[0.00 - 5.76]
Nasopharynx (147)	0	0.12	0.00	[0.00 - 30.3]
Oesophagus (150)	1	2.07	0.48	[0.01 - 2.69]
Stomach (151)	9	7.64	1.18	[0.54 - 2.24]
Colon (153)	6	11.38	0.53	[0.19 - 1.15]
Rectum (154)	8	5.3	1.51	[0.65 - 2.98]
Liver (155)	2	1.62	1.24	[0.15 - 4.47]
Gallbladder (156)	1	1.87	0.54	[0.01 - 2.98]
Pancreas (157)	6	6.29	0.95	[0.35 - 2.07]
Peritoneum and other unspecified organs(158-159)	1	0.72	1.38	[0.03 - 7.69]
Nose & sinuses (160)	0	0.19	0.00	[0.00 - 19.7]
Larynx (161)	1	0.32	3.13	[0.08 - 17.5]
Lung (162)	27	17.47	1.55	[1.02 - 2.25]
Pleura (163)	0	0.2	0.00	[0.00 - 18.1]
Other respiratory organs (164-165)	0	0.19	0.00	[0.00 - 19.2]
Bone (170)	0	0.41	0.00	[0.00 - 8.89]
Soft tissue (171)	2	0.63	3.15	[0.38 - 11.4]
Melanoma (172)	2	2.09	0.96	[0.12 - 3.45]
Other skin (173)	1	0.29	3.44	[0.09 - 19.2]
Breast (174-175)	31	29.64	1.05	[0.71 - 1.48]
Cervix uteri (180)	7	7.57	0.92	[0.37 - 1.91]
Corpus uteri & uterus unspecified (179,181-182)	1	3.9	0.26	[0.01 - 1.43]
Ovary (183)	12	11.36	1.06	[0.55 - 1.85]
Other female genital organs (184)	1	0.89	1.12	[0.03 - 6.26]
Prostate (185)	0	-	-	-
Testis (186)	0	-	-	-
Other male genital organs (187)	0	-	-	-
Bladder (188)	2	2.15	0.93	[0.11 - 3.36]
Kidney (189)	2	3.05	0.66	[0.08 - 2.37]
Eye (190)	0	0.23	0.00	[0.00 - 15.8]
Brain (191-192)	5	4.14	1.21	[0.39 - 2.82]
Thyroid (193)	0	0.63	0.00	[0.00 - 5.90]
Other endocrine glands (194)	0	0.24	0.00	[0.00 - 15.5]
Ill defined (195,199)	6	6.88	0.87	[0.32 - 1.90]
Lymphatic & hematopoietic tissue (200-208)	11	10.09	1.09	[0.54 - 1.95]
Non-Hodgkins lymphoma (200,202)	3	3.15	0.95	[0.20 - 2.79]
Hodgkins disease (201)	1	1.01	0.99	[0.02 - 5.54]
Multiple myeloma (203)	1	1.89	0.53	[0.01 - 2.94]
Leukemia & aleukemia (204-208)	6	4.03	1.49	[0.55 - 3.24]
Lymphoid leukemia (204)	0	0.79	0.00	[0.00 - 4.67]
Myeloid leukemia (205)	4	2.09	1.91	[0.52 - 4.90]
BENIGN NEOPLASMS (210-239)	2	2.5	0.80	[0.10 - 2.89]
DIS. OF ENDOCRINE SYSTEM & BLOOD (240-289)	5	9.38	0.53	[0.17 - 1.24]
MENTAL DISORDERS (290-319)	1	4.57	0.22	[0.01 - 1.22]
DIS. OF NERVOUS SYSTEM (320-389)	7	7.99	0.88	[0.35 - 1.81]
DIS. OF CIRCULATORY SYSTEM (390-459)	182	168.14	1.08	[0.93 - 1.25]
Hypertension (401-405)	10	4.09	2.45	[1.17 - 4.50]
Ischaemic heart disease (410-414)	101	86.03	1.17	[0.96 - 1.43]
Cerebrovascular (430-438)	48	47.83	1.00	[0.74 - 1.33]
Other heart diseases (4150,4152-4299)	10	13.62	0.73	[0.35 - 1.35]
DIS. OF RESPIRATORY SYSTEM (460-519)	30	28.96	1.04	[0.70 - 1.48]
Influenza (487)	2	1.06	1.89	[0.23 - 6.83]
Pneumonia (480-486)	19	13.51	1.41	[0.85 - 2.20]
Bronchitis,emphysema & asthma (490-493)	9	8.96	1.00	[0.46 - 1.91]
Pneumoconioses (500-508)	0	0.11	0.00	[0.00 - 34.2]
DIS. OF DIGESTIVE SYSTEM (520-579)	8	15.99	0.50	[0.22 - 0.99]
Liver cirrhosis (571)	2	5.02	0.40	[0.05 - 1.44]
DIS. OF GENITO-URINARY SYSTEM (580-629)	5	6.87	0.73	[0.24 - 1.70]
Nephritis & nephrosis (580-589)	1	2.65	0.38	[0.01 - 2.10]
DIS. OF THE SKIN (680-739)	4	3.4	1.18	[0.32 - 3.01]
SYMPTOMS AND ILL-DEFINED CONDITIONS (780-799)	4	8.35	0.48	[0.13 - 1.23]
EXTERNAL CAUSES (E800-999)	24	29.86	0.80	[0.52 - 1.20]
Traffic accident (E810-819)	5	5.71	0.88	[0.28 - 2.04]
Suicide (E950-959)	8	11.38	0.70	[0.30 - 1.38]
Homicide (E960-969)	0	1	0.00	[0.00 - 3.68]
Other external causes (E800-807,E820-949,E970-999)	11	11.77	0.93	[0.47 - 1.67]
UNKNOWN CAUSES	0			
OTHER CAUSES	5			

Table 2.10.26
Mortality by cause

TOTAL COHORT

Ever exposed to WELD (welding fumes)

Causes of death (ICD 9th.revision)	Observed	Expected	SMR	95% Confidence intervals
ALL CAUSES	4690	5488.59	0.85	[0.83 - 0.88]
ALL MALIGNANT NEOPLASMS (140-208)	1149	1268.44	0.91	[0.85 - 0.96]
Oral cavity & pharynx (140-149)	25	32.17	0.78	[0.50 - 1.15]
Oral cavity (141,143-145)	9	12.68	0.71	[0.32 - 1.35]
Nasopharynx (147)	1	2.03	0.49	[0.01 - 2.75]
Oesophagus (150)	26	35.32	0.74	[0.48 - 1.08]
Stomach (151)	120	133.42	0.90	[0.75 - 1.08]
Colon (153)	72	77.5	0.93	[0.73 - 1.17]
Rectum (154)	43	53.31	0.81	[0.58 - 1.09]
Liver (155)	21	26.83	0.78	[0.48 - 1.20]
Gallbladder (156)	7	11.25	0.62	[0.25 - 1.28]
Pancreas (157)	47	65.55	0.72	[0.53 - 0.95]
Peritoneum and other unspecified organs(158-159)	3	8.6	0.35	[0.07 - 1.02]
Nose & sinuses (160)	6	5.11	1.17	[0.43 - 2.56]
Larynx (161)	17	18.88	0.90	[0.52 - 1.44]
Lung (162)	326	329.12	0.99	[0.89 - 1.10]
Pleura (163)	13	5.47	2.38	[1.27 - 4.06]
Other respiratory organs (164-165)	7	3.52	1.99	[0.80 - 4.09]
Bone (170)	1	5.44	0.18	[0.00 - 1.02]
Soft tissue (171)	4	5.4	0.74	[0.20 - 1.90]
Melanoma (172)	16	19.1	0.84	[0.48 - 1.36]
Other skin (173)	3	3.85	0.78	[0.16 - 2.28]
Breast (174-175)	14	12.6	1.11	[0.61 - 1.86]
Cervix uteri (180)	2	2.86	0.70	[0.08 - 2.52]
Corpus uteri & uterus unspecified (179,181-182)	2	2.48	0.81	[0.10 - 2.91]
Ovary (183)	3	4.94	0.61	[0.13 - 1.77]
Other female genital organs (184)	2	0.65	3.07	[0.37 - 11.1]
Prostate (185)	80	110.5	0.72	[0.57 - 0.90]
Testis (186)	7	5.81	1.21	[0.48 - 2.48]
Other male genital organs (187)	3	1.42	2.11	[0.43 - 6.16]
Bladder (188)	43	39.5	1.09	[0.79 - 1.47]
Kidney (189)	31	35.36	0.88	[0.60 - 1.24]
Eye (190)	3	1.96	1.53	[0.32 - 4.48]
Brain (191-192)	35	33.83	1.03	[0.72 - 1.44]
Thyroid (193)	3	3.78	0.79	[0.16 - 2.32]
Other endocrine glands (194)	2	1.89	1.06	[0.13 - 3.83]
Ill defined (195,199)	57	53.74	1.06	[0.80 - 1.37]
Lymphatic & hematopoietic tissue (200-208)	83	103.38	0.80	[0.64 - 1.00]
Non-Hodgkins lymphoma (200,202)	22	31.17	0.71	[0.44 - 1.07]
Hodgkins disease (201)	7	10.08	0.69	[0.28 - 1.43]
Multiple myeloma (203)	19	19.92	0.95	[0.57 - 1.49]
Leukemia & aleukemia (204-208)	35	41.62	0.84	[0.59 - 1.17]
Lymphoid leukemia (204)	10	10.99	0.91	[0.44 - 1.67]
Myeloid leukemia (205)	10	17.29	0.58	[0.28 - 1.06]
BENIGN NEOPLASMS (210-239)	20	23.6	0.85	[0.52 - 1.31]
DIS. OF ENDOCRINE SYSTEM & BLOOD (240-289)	57	85.09	0.67	[0.51 - 0.87]
MENTAL DISORDERS (290-319)	29	67.09	0.43	[0.29 - 0.62]
DIS. OF NERVOUS SYSTEM (320-389)	71	73.74	0.96	[0.75 - 1.21]
DIS. OF CIRCULATORY SYSTEM (390-459)	2174	2501.41	0.87	[0.83 - 0.91]
Hypertension (401-405)	45	53.66	0.84	[0.61 - 1.12]
Ischaemic heart disease (410-414)	1358	1573.59	0.86	[0.82 - 0.91]
Cerebrovascular (430-438)	328	481.66	0.68	[0.61 - 0.76]
Other heart diseases (4150,4152-4299)	148	213.1	0.69	[0.59 - 0.82]
DIS. OF RESPIRATORY SYSTEM (460-519)	279	367.45	0.76	[0.67 - 0.85]
Influenza (487)	2	12.89	0.16	[0.02 - 0.56]
Pneumonia (480-486)	120	163.77	0.73	[0.61 - 0.88]
Bronchitis,emphysema & asthma (490-493)	102	127.68	0.80	[0.65 - 0.97]
Pneumoconioses (500-508)	1	5.28	0.19	[0.00 - 1.06]
DIS. OF DIGESTIVE SYSTEM (520-579)	150	192.17	0.78	[0.66 - 0.92]
Liver cirrhosis (571)	64	71.5	0.90	[0.69 - 1.14]
DIS. OF GENITO-URINARY SYSTEM (580-629)	54	74.03	0.73	[0.55 - 0.95]
Nephritis & nephrosis (580-589)	17	32.49	0.52	[0.30 - 0.84]
DIS. OF THE SKIN (680-739)	8	18.1	0.44	[0.19 - 0.87]
SYMPTOMS AND ILL-DEFINED CONDITIONS (780-799)	105	133.21	0.79	[0.64 - 0.95]
EXTERNAL CAUSES (E800-999)	480	599.66	0.80	[0.73 - 0.88]
Traffic accident (E810-819)	74	120.31	0.62	[0.48 - 0.77]
Suicide (E950-959)	123	181.32	0.68	[0.56 - 0.81]
Homicide (E960-969)	13	15.54	0.84	[0.45 - 1.43]
Other external causes (E800-807,E820-949,E970-999)	270	282.51	0.96	[0.85 - 1.08]
UNKNOWN CAUSES	31			
OTHER CAUSES	83			

Table 2.10.26
Mortality by cause

TOTAL COHORT

Ever exposed to WELD (welding fumes)

Men

Causes of death (ICD 9th.revision)	Observed	Expected	SMR	95% Confidence intervals
ALL CAUSES	4440	5188.13	0.86	[0.83 - 0.88]
ALL MALIGNANT NEOPLASMS (140-208)	1091	1199.42	0.91	[0.86 - 0.97]
Oral cavity & pharynx (140-149)	24	31.43	0.76	[0.49 - 1.14]
Oral cavity (141,143-145)	8	12.32	0.65	[0.28 - 1.28]
Nasopharynx (147)	1	1.97	0.51	[0.01 - 2.83]
Oesophagus (150)	26	33.98	0.77	[0.50 - 1.12]
Stomach (151)	114	126.46	0.90	[0.74 - 1.08]
Colon (153)	69	72.72	0.95	[0.74 - 1.20]
Rectum (154)	40	50.52	0.79	[0.57 - 1.08]
Liver (155)	21	25.36	0.83	[0.51 - 1.27]
Gallbladder (156)	7	9.41	0.74	[0.30 - 1.53]
Pancreas (157)	44	61.17	0.72	[0.52 - 0.97]
Peritoneum and other unspecified organs(158-159)	3	7.81	0.38	[0.08 - 1.12]
Nose & sinuses (160)	6	4.97	1.21	[0.44 - 2.63]
Larynx (161)	17	18.8	0.90	[0.53 - 1.45]
Lung (162)	322	324.55	0.99	[0.89 - 1.11]
Pleura (163)	12	5.32	2.26	[1.17 - 3.94]
Other respiratory organs (164-165)	7	3.41	2.05	[0.82 - 4.22]
Bone (170)	1	5.22	0.19	[0.00 - 1.07]
Soft tissue (171)	4	5.06	0.79	[0.22 - 2.03]
Melanoma (172)	15	18.21	0.82	[0.46 - 1.36]
Other skin (173)	3	3.65	0.82	[0.17 - 2.40]
Breast (174-175)	1	1.08	0.92	[0.02 - 5.15]
Cervix uteri (180)	0	-	-	-
Corpus uteri & uterus unspecified (179,181-182)	0	-	-	-
Ovary (183)	0	-	-	-
Other female genital organs (184)	0	-	-	-
Prostate (185)	80	110.5	0.72	[0.57 - 0.90]
Testis (186)	7	5.81	1.21	[0.48 - 2.48]
Other male genital organs (187)	3	1.42	2.11	[0.43 - 6.16]
Bladder (188)	42	38.62	1.09	[0.78 - 1.47]
Kidney (189)	29	33.55	0.86	[0.58 - 1.24]
Eye (190)	3	1.82	1.65	[0.34 - 4.82]
Brain (191-192)	35	32.15	1.09	[0.76 - 1.51]
Thyroid (193)	3	3.21	0.93	[0.19 - 2.73]
Other endocrine glands (194)	2	1.77	1.13	[0.14 - 4.07]
Ill defined (195,199)	53	50.96	1.04	[0.78 - 1.36]
Lymphatic & hematopoietic tissue (200-208)	79	97.32	0.81	[0.64 - 1.01]
Non-Hodgkins lymphoma (200,202)	22	29.26	0.75	[0.47 - 1.14]
Hodgkins disease (201)	6	9.63	0.62	[0.23 - 1.36]
Multiple myeloma (203)	19	18.55	1.02	[0.62 - 1.60]
Leukemia & aleukemia (204-208)	32	39.29	0.81	[0.56 - 1.15]
Lymphoid leukemia (204)	9	10.43	0.86	[0.39 - 1.64]
Myeloid leukemia (205)	10	16.24	0.62	[0.30 - 1.13]
BENIGN NEOPLASMS (210-239)	19	21.96	0.87	[0.52 - 1.35]
DIS. OF ENDOCRINE SYSTEM & BLOOD (240-289)	53	78.48	0.68	[0.51 - 0.88]
MENTAL DISORDERS (290-319)	29	59.42	0.49	[0.33 - 0.70]
DIS. OF NERVOUS SYSTEM (320-389)	67	68.81	0.97	[0.75 - 1.24]
DIS. OF CIRCULATORY SYSTEM (390-459)	2047	2349.98	0.87	[0.83 - 0.91]
Hypertension (401-405)	39	48.26	0.81	[0.57 - 1.10]
Ischaemic heart disease (410-414)	1295	1500.11	0.86	[0.82 - 0.91]
Cerebrovascular (430-438)	303	437.68	0.69	[0.62 - 0.77]
Other heart diseases (4150,4152-4299)	138	196.78	0.70	[0.59 - 0.83]
DIS. OF RESPIRATORY SYSTEM (460-519)	262	348.79	0.75	[0.66 - 0.85]
Influenza (487)	1	11.77	0.08	[0.00 - 0.47]
Pneumonia (480-486)	109	151.21	0.72	[0.59 - 0.87]
Bronchitis,emphysema & asthma (490-493)	100	124.45	0.80	[0.65 - 0.98]
Pneumoconioses (500-508)	1	5.21	0.19	[0.00 - 1.07]
DIS. OF DIGESTIVE SYSTEM (520-579)	144	182.45	0.79	[0.67 - 0.93]
Liver cirrhosis (571)	63	69.98	0.90	[0.69 - 1.15]
DIS. OF GENITO-URINARY SYSTEM (580-629)	48	68.21	0.70	[0.52 - 0.93]
Nephritis & nephrosis (580-589)	15	30.53	0.49	[0.27 - 0.81]
DIS. OF THE SKIN (680-739)	5	15.4	0.32	[0.11 - 0.76]
SYMPTOMS AND ILL-DEFINED CONDITIONS (780-799)	105	130.62	0.80	[0.66 - 0.97]
EXTERNAL CAUSES (E800-999)	459	585.34	0.78	[0.71 - 0.86]
Traffic accident (E810-819)	72	117.58	0.61	[0.48 - 0.77]
Suicide (E950-959)	118	177.29	0.67	[0.55 - 0.80]
Homicide (E960-969)	13	15.09	0.86	[0.46 - 1.47]
Other external causes (E800-807,E820-949,E970-999)	256	275.39	0.93	[0.82 - 1.05]
UNKNOWN CAUSES	30			
OTHER CAUSES	81			

Table 2.10.26
Mortality by cause

TOTAL COHORT

Ever exposed to WELD (welding fumes)

Women

Causes of death (ICD 9th.revision)	Observed	Expected	SMR	95% Confidence intervals
ALL CAUSES	250	300.46	0.83	[0.73 - 0.94]
ALL MALIGNANT NEOPLASMS (140-208)	58	69.02	0.84	[0.64 - 1.09]
Oral cavity & pharynx (140-149)	1	0.74	1.35	[0.03 - 7.50]
Oral cavity (141,143-145)	1	0.37	2.73	[0.07 - 15.2]
Nasopharynx (147)	0	0.06	0.00	[0.00 - 61.2]
Oesophagus (150)	0	1.35	0.00	[0.00 - 2.74]
Stomach (151)	6	6.96	0.86	[0.32 - 1.87]
Colon (153)	3	4.78	0.63	[0.13 - 1.83]
Rectum (154)	3	2.79	1.08	[0.22 - 3.14]
Liver (155)	0	1.48	0.00	[0.00 - 2.50]
Gallbladder (156)	0	1.84	0.00	[0.00 - 2.00]
Pancreas (157)	3	4.38	0.68	[0.14 - 2.00]
Peritoneum and other unspecified organs(158-159)	0	0.79	0.00	[0.00 - 4.66]
Nose & sinuses (160)	0	0.14	0.00	[0.00 - 26.5]
Larynx (161)	0	0.09	0.00	[0.00 - 42.2]
Lung (162)	4	4.57	0.88	[0.24 - 2.24]
Pleura (163)	1	0.15	6.66	[0.17 - 37.1]
Other respiratory organs (164-165)	0	0.11	0.00	[0.00 - 33.7]
Bone (170)	0	0.23	0.00	[0.00 - 16.2]
Soft tissue (171)	0	0.34	0.00	[0.00 - 10.8]
Melanoma (172)	1	0.89	1.12	[0.03 - 6.26]
Other skin (173)	0	0.2	0.00	[0.00 - 18.6]
Breast (174-175)	13	11.52	1.13	[0.60 - 1.93]
Cervix uteri (180)	2	2.86	0.70	[0.08 - 2.52]
Corpus uteri & uterus unspecified (179,181-182)	2	2.48	0.81	[0.10 - 2.91]
Ovary (183)	3	4.94	0.61	[0.13 - 1.77]
Other female genital organs (184)	2	0.65	3.07	[0.37 - 11.1]
Prostate (185)	0	-	-	-
Testis (186)	0	-	-	-
Other male genital organs (187)	0	-	-	-
Bladder (188)	1	0.88	1.13	[0.03 - 6.32]
Kidney (189)	2	1.81	1.11	[0.13 - 3.99]
Eye (190)	0	0.14	0.00	[0.00 - 26.4]
Brain (191-192)	0	1.67	0.00	[0.00 - 2.20]
Thyroid (193)	0	0.56	0.00	[0.00 - 6.55]
Other endocrine glands (194)	0	0.12	0.00	[0.00 - 32.0]
Ill defined (195,199)	4	2.78	1.44	[0.39 - 3.69]
Lymphatic & hematopoietic tissue (200-208)	4	6.06	0.66	[0.18 - 1.69]
Non-Hodgkins lymphoma (200,202)	0	1.91	0.00	[0.00 - 1.93]
Hodgkins disease (201)	1	0.45	2.24	[0.06 - 12.5]
Multiple myeloma (203)	0	1.36	0.00	[0.00 - 2.70]
Leukemia & aleukemia (204-208)	3	2.32	1.29	[0.27 - 3.77]
Lymphoid leukemia (204)	1	0.56	1.78	[0.04 - 9.92]
Myeloid leukemia (205)	1	1.05	0.00	[0.00 - 3.52]
BENIGN NEOPLASMS (210-239)	1	1.64	0.61	[0.02 - 3.39]
DIS. OF ENDOCRINE SYSTEM & BLOOD (240-289)	4	6.62	0.60	[0.16 - 1.55]
MENTAL DISORDERS (290-319)	0	7.66	0.00	[0.00 - 0.48]
DIS. OF NERVOUS SYSTEM (320-389)	4	4.93	0.81	[0.22 - 2.08]
DIS. OF CIRCULATORY SYSTEM (390-459)	127	151.43	0.84	[0.70 - 1.00]
Hypertension (401-405)	6	5.4	1.11	[0.41 - 2.42]
Ischaemic heart disease (410-414)	63	73.47	0.86	[0.66 - 1.10]
Cerebrovascular (430-438)	25	43.97	0.57	[0.37 - 0.84]
Other heart diseases (4150,4152-4299)	10	16.31	0.61	[0.29 - 1.13]
DIS. OF RESPIRATORY SYSTEM (460-519)	17	18.65	0.91	[0.53 - 1.46]
Influenza (487)	1	1.12	0.89	[0.02 - 4.98]
Pneumonia (480-486)	11	12.56	0.88	[0.44 - 1.57]
Bronchitis,emphysema & asthma (490-493)	2	3.22	0.62	[0.08 - 2.24]
Pneumoconioses (500-508)	0	0.07	0.00	[0.00 - 56.6]
DIS. OF DIGESTIVE SYSTEM (520-579)	6	9.72	0.62	[0.23 - 1.34]
Liver cirrhosis (571)	1	1.52	0.66	[0.02 - 3.67]
DIS. OF GENITO-URINARY SYSTEM (580-629)	6	5.83	1.03	[0.38 - 2.24]
Nephritis & nephrosis (580-589)	2	1.96	1.02	[0.12 - 3.69]
DIS. OF THE SKIN (680-739)	3	2.71	1.11	[0.23 - 3.24]
SYMPTOMS AND ILL-DEFINED CONDITIONS (780-799)	0	2.59	0.00	[0.00 - 1.42]
EXTERNAL CAUSES (E800-999)	21	14.32	1.47	[0.91 - 2.24]
Traffic accident (E810-819)	2	2.73	0.73	[0.09 - 2.65]
Suicide (E950-959)	5	4.03	1.24	[0.40 - 2.90]
Homicide (E960-969)	0	0.45	0.00	[0.00 - 8.21]
Other external causes (E800-807,E820-949,E970-999)	14	7.12	1.97	[1.08 - 3.30]
UNKNOWN CAUSES	1			
OTHER CAUSES	2			

Table 2.10.27
Mortality by cause

TOTAL COHORT

Ever exposed to WOOD (wood dust)

Causes of death (ICD 9th.revision)	Observed	Expected	SMR	95% Confidence intervals
ALL CAUSES	6187	7153.14	0.86	[0.84 - 0.89]
ALL MALIGNANT NEOPLASMS (140-208)	1379	1595.43	0.86	[0.82 - 0.91]
Oral cavity & pharynx (140-149)	25	36.18	0.69	[0.45 - 1.02]
Oral cavity (141,143-145)	8	13.91	0.58	[0.25 - 1.13]
Nasopharynx (147)	1	2.31	0.43	[0.01 - 2.41]
Oesophagus (150)	24	39.21	0.61	[0.39 - 0.91]
Stomach (151)	142	180.5	0.79	[0.66 - 0.93]
Colon (153)	77	96.55	0.80	[0.63 - 1.00]
Rectum (154)	51	67.85	0.75	[0.56 - 0.99]
Liver (155)	26	31.17	0.83	[0.54 - 1.22]
Gallbladder (156)	9	14.09	0.64	[0.29 - 1.21]
Pancreas (157)	81	85.94	0.94	[0.75 - 1.17]
Peritoneum and other unspecified organs(158-159)	5	9.11	0.55	[0.18 - 1.28]
Nose & sinuses (160)	4	5.44	0.74	[0.20 - 1.88]
Larynx (161)	27	21.39	1.26	[0.83 - 1.84]
Lung (162)	391	394.74	0.99	[0.89 - 1.09]
Pleura (163)	9	6.39	1.41	[0.64 - 2.67]
Other respiratory organs (164-165)	5	4.14	1.21	[0.39 - 2.82]
Bone (170)	1	6.29	0.16	[0.00 - 0.89]
Soft tissue (171)	3	6.5	0.46	[0.10 - 1.35]
Melanoma (172)	21	22.01	0.95	[0.59 - 1.46]
Other skin (173)	5	4.91	1.02	[0.33 - 2.38]
Breast (174-175)	15	15.24	0.98	[0.55 - 1.62]
Cervix uteri (180)	3	3.63	0.83	[0.17 - 2.42]
Corpus uteri & uterus unspecified (179,181-182)	5	3.02	1.66	[0.54 - 3.86]
Ovary (183)	2	5.83	0.34	[0.04 - 1.24]
Other female genital organs (184)	2	0.74	2.70	[0.33 - 9.75]
Prostate (185)	126	160.23	0.79	[0.66 - 0.94]
Testis (186)	2	5.58	0.36	[0.04 - 1.29]
Other male genital organs (187)	3	1.83	1.64	[0.34 - 4.80]
Bladder (188)	45	52.01	0.87	[0.63 - 1.16]
Kidney (189)	46	45.81	1.00	[0.74 - 1.34]
Eye (190)	1	2.5	0.40	[0.01 - 2.23]
Brain (191-192)	32	40.11	0.80	[0.55 - 1.13]
Thyroid (193)	3	4.89	0.61	[0.13 - 1.79]
Other endocrine glands (194)	2	2.2	0.91	[0.11 - 3.29]
Ill defined (195,199)	55	65.58	0.84	[0.63 - 1.09]
Lymphatic & hematopoietic tissue (200-208)	111	131.79	0.84	[0.69 - 1.01]
Non-Hodgkins lymphoma (200,202)	37	38.2	0.97	[0.68 - 1.34]
Hodgkins disease (201)	10	12.34	0.81	[0.39 - 1.49]
Multiple myeloma (203)	26	26.82	0.97	[0.63 - 1.42]
Leukemia & aleukemia (204-208)	38	52.68	0.72	[0.51 - 0.99]
Lymphoid leukemia (204)	10	13.78	0.73	[0.35 - 1.33]
Myeloid leukemia (205)	10	20.42	0.49	[0.23 - 0.90]
BENIGN NEOPLASMS (210-239)	25	30.28	0.83	[0.53 - 1.22]
DIS. OF ENDOCRINE SYSTEM & BLOOD (240-289)	83	105.07	0.79	[0.63 - 0.98]
MENTAL DISORDERS (290-319)	46	82.02	0.56	[0.41 - 0.75]
DIS. OF NERVOUS SYSTEM (320-389)	87	93.66	0.93	[0.74 - 1.15]
DIS. OF CIRCULATORY SYSTEM (390-459)	3026	3389.23	0.89	[0.86 - 0.93]
Hypertension (401-405)	54	76.13	0.71	[0.53 - 0.93]
Ischaemic heart disease (410-414)	1846	2116.54	0.87	[0.83 - 0.91]
Cerebrovascular (430-438)	507	657.12	0.77	[0.71 - 0.84]
Other heart diseases (4150,4152-4299)	227	284.96	0.80	[0.70 - 0.91]
DIS. OF RESPIRATORY SYSTEM (460-519)	397	484.95	0.82	[0.74 - 0.90]
Influenza (487)	13	16.96	0.77	[0.41 - 1.31]
Pneumonia (480-486)	187	234.52	0.80	[0.69 - 0.92]
Bronchitis,emphysema & asthma (490-493)	132	163.74	0.81	[0.67 - 0.96]
Pneumoconioses (500-508)	4	5.72	0.70	[0.19 - 1.79]
DIS. OF DIGESTIVE SYSTEM (520-579)	184	238.13	0.77	[0.67 - 0.89]
Liver cirrhosis (571)	68	77.59	0.88	[0.68 - 1.11]
DIS. OF GENITO-URINARY SYSTEM (580-629)	71	104.07	0.68	[0.53 - 0.86]
Nephritis & nephrosis (580-589)	30	43.46	0.69	[0.47 - 0.99]
DIS. OF THE SKIN (680-739)	22	23.81	0.92	[0.58 - 1.40]
SYMPTOMS AND ILL-DEFINED CONDITIONS (780-799)	146	191.02	0.76	[0.65 - 0.90]
EXTERNAL CAUSES (E800-999)	572	706.81	0.81	[0.74 - 0.88]
Traffic accident (E810-819)	81	126.77	0.64	[0.51 - 0.79]
Suicide (E950-959)	123	207.19	0.59	[0.49 - 0.71]
Homicide (E960-969)	10	20.84	0.48	[0.23 - 0.88]
Other external causes (E800-807,E820-949,E970-999)	358	352.02	1.02	[0.91 - 1.13]
UNKNOWN CAUSES	26			
OTHER CAUSES	123			

**Table 2.10.27
Mortality by cause**

TOTAL COHORT

Ever exposed to WOOD (wood dust)

Men

Causes of death (ICD 9th.revision)	Observed	Expected	SMR	95% Confidence intervals
ALL CAUSES	5923	6787.53	0.87	[0.85 - 0.90]
ALL MALIGNANT NEOPLASMS (140-208)	1321	1512.19	0.87	[0.83 - 0.92]
Oral cavity & pharynx (140-149)	25	35.29	0.71	[0.46 - 1.05]
Oral cavity (141,143-145)	8	13.5	0.59	[0.26 - 1.17]
Nasopharynx (147)	1	2.24	0.45	[0.01 - 2.48]
Oesophagus (150)	24	37.53	0.64	[0.41 - 0.95]
Stomach (151)	135	172	0.78	[0.66 - 0.93]
Colon (153)	75	91.55	0.82	[0.64 - 1.03]
Rectum (154)	48	64.62	0.74	[0.55 - 0.98]
Liver (155)	24	28.94	0.83	[0.53 - 1.23]
Gallbladder (156)	8	11.71	0.68	[0.29 - 1.35]
Pancreas (157)	77	80.62	0.96	[0.75 - 1.19]
Peritoneum and other unspecified organs(158-159)	5	8.08	0.62	[0.20 - 1.44]
Nose & sinuses (160)	4	5.28	0.76	[0.21 - 1.94]
Larynx (161)	27	21.27	1.27	[0.84 - 1.85]
Lung (162)	388	389.52	1.00	[0.90 - 1.10]
Pleura (163)	8	6.19	1.29	[0.56 - 2.55]
Other respiratory organs (164-165)	5	4	1.25	[0.41 - 2.92]
Bone (170)	1	5.96	0.17	[0.00 - 0.94]
Soft tissue (171)	3	6.1	0.49	[0.10 - 1.44]
Melanoma (172)	20	20.97	0.95	[0.58 - 1.47]
Other skin (173)	5	4.67	1.07	[0.35 - 2.50]
Breast (174-175)	2	1.25	1.60	[0.19 - 5.78]
Cervix uteri (180)	0	-	-	-
Corpus uteri & uterus unspecified (179,181-182)	0	-	-	-
Ovary (183)	0	-	-	-
Other female genital organs (184)	0	-	-	-
Prostate (185)	126	160.23	0.79	[0.66 - 0.94]
Testis (186)	2	5.58	0.36	[0.04 - 1.29]
Other male genital organs (187)	3	1.83	1.64	[0.34 - 4.80]
Bladder (188)	44	51.1	0.86	[0.63 - 1.16]
Kidney (189)	45	43.66	1.03	[0.75 - 1.38]
Eye (190)	1	2.34	0.43	[0.01 - 2.39]
Brain (191-192)	32	37.88	0.84	[0.58 - 1.19]
Thyroid (193)	3	4.21	0.71	[0.15 - 2.08]
Other endocrine glands (194)	2	2.06	0.97	[0.12 - 3.51]
Ill defined (195,199)	54	63	0.86	[0.64 - 1.12]
Lymphatic & hematopoietic tissue (200-208)	107	124.27	0.86	[0.71 - 1.04]
Non-Hodgkins lymphoma (200,202)	37	35.9	1.03	[0.73 - 1.42]
Hodgkins disease (201)	8	11.73	0.68	[0.29 - 1.34]
Multiple myeloma (203)	26	25.28	1.03	[0.67 - 1.51]
Leukemia & aleukemia (204-208)	36	49.73	0.72	[0.51 - 1.00]
Lymphoid leukemia (204)	10	13.1	0.76	[0.37 - 1.40]
Myeloid leukemia (205)	10	19.14	0.52	[0.25 - 0.96]
BENIGN NEOPLASMS (210-239)	24	28.28	0.85	[0.54 - 1.26]
DIS. OF ENDOCRINE SYSTEM & BLOOD (240-289)	79	96.97	0.81	[0.65 - 1.02]
MENTAL DISORDERS (290-319)	46	72.15	0.64	[0.47 - 0.85]
DIS. OF NERVOUS SYSTEM (320-389)	82	87.36	0.94	[0.75 - 1.17]
DIS. OF CIRCULATORY SYSTEM (390-459)	2885	3206.88	0.90	[0.87 - 0.93]
Hypertension (401-405)	50	69.5	0.72	[0.53 - 0.95]
Ischaemic heart disease (410-414)	1773	2028.82	0.87	[0.83 - 0.92]
Cerebrovascular (430-438)	479	604.63	0.79	[0.72 - 0.87]
Other heart diseases (4150,4152-4299)	215	264.97	0.81	[0.71 - 0.93]
DIS. OF RESPIRATORY SYSTEM (460-519)	381	463.79	0.82	[0.74 - 0.91]
Influenza (487)	12	15.65	0.77	[0.40 - 1.34]
Pneumonia (480-486)	176	220.06	0.80	[0.69 - 0.93]
Bronchitis,emphysema & asthma (490-493)	131	160.17	0.82	[0.68 - 0.97]
Pneumoconioses (500-508)	4	5.64	0.71	[0.19 - 1.82]
DIS. OF DIGESTIVE SYSTEM (520-579)	178	225.94	0.79	[0.68 - 0.91]
Liver cirrhosis (571)	67	75.5	0.89	[0.69 - 1.13]
DIS. OF GENITO-URINARY SYSTEM (580-629)	64	96.75	0.66	[0.51 - 0.84]
Nephritis & nephrosis (580-589)	28	40.87	0.69	[0.46 - 0.99]
DIS. OF THE SKIN (680-739)	19	20.39	0.93	[0.56 - 1.46]
SYMPTOMS AND ILL-DEFINED CONDITIONS (780-799)	146	188.77	0.77	[0.65 - 0.91]
EXTERNAL CAUSES (E800-999)	552	686.24	0.80	[0.74 - 0.87]
Traffic accident (E810-819)	77	123.14	0.63	[0.49 - 0.78]
Suicide (E950-959)	121	201.12	0.60	[0.50 - 0.72]
Homicide (E960-969)	10	20.06	0.50	[0.24 - 0.92]
Other external causes (E800-807,E820-949,E970-999)	344	341.92	1.01	[0.90 - 1.12]
UNKNOWN CAUSES	25			
OTHER CAUSES	121			

Table 2.10.27
Mortality by cause

TOTAL COHORT

Ever exposed to WOOD (wood dust)

Women

Causes of death (ICD 9th.revision)	Observed	Expected	SMR	95% Confidence intervals
ALL CAUSES	264	365.62	0.72	[0.64 - 0.81]
ALL MALIGNANT NEOPLASMS (140-208)	58	83.23	0.70	[0.53 - 0.90]
Oral cavity & pharynx (140-149)	0	0.89	0.00	[0.00 - 4.14]
Oral cavity (141,143-145)	0	0.41	0.00	[0.00 - 9.04]
Nasopharynx (147)	0	0.07	0.00	[0.00 - 51.8]
Oesophagus (150)	0	1.67	0.00	[0.00 - 2.20]
Stomach (151)	7	8.5	0.82	[0.33 - 1.70]
Colon (153)	2	5.01	0.40	[0.05 - 1.44]
Rectum (154)	3	3.23	0.93	[0.19 - 2.71]
Liver (155)	2	2.23	0.90	[0.11 - 3.24]
Gallbladder (156)	1	2.37	0.42	[0.01 - 2.35]
Pancreas (157)	4	5.32	0.75	[0.20 - 1.92]
Peritoneum and other unspecified organs(158-159)	0	1.03	0.00	[0.00 - 3.58]
Nose & sinuses (160)	0	0.16	0.00	[0.00 - 23.6]
Larynx (161)	0	0.12	0.00	[0.00 - 31.7]
Lung (162)	3	5.23	0.57	[0.12 - 1.68]
Pleura (163)	1	0.2	4.96	[0.12 - 27.7]
Other respiratory organs (164-165)	0	0.14	0.00	[0.00 - 26.4]
Bone (170)	0	0.34	0.00	[0.00 - 11.0]
Soft tissue (171)	0	0.4	0.00	[0.00 - 9.13]
Melanoma (172)	1	1.04	0.96	[0.02 - 5.35]
Other skin (173)	0	0.24	0.00	[0.00 - 15.4]
Breast (174-175)	13	13.99	0.93	[0.49 - 1.59]
Cervix uteri (180)	3	3.63	0.83	[0.17 - 2.42]
Corpus uteri & uterus unspecified (179,181-182)	5	3.02	1.66	[0.54 - 3.86]
Ovary (183)	2	5.83	0.34	[0.04 - 1.24]
Other female genital organs (184)	2	0.74	2.70	[0.33 - 9.75]
Prostate (185)	0	-	-	-
Testis (186)	0	-	-	-
Other male genital organs (187)	0	-	-	-
Bladder (188)	1	0.91	1.09	[0.03 - 6.10]
Kidney (189)	1	2.15	0.46	[0.01 - 2.59]
Eye (190)	0	0.17	0.00	[0.00 - 21.9]
Brain (191-192)	0	2.23	0.00	[0.00 - 1.66]
Thyroid (193)	0	0.68	0.00	[0.00 - 5.46]
Other endocrine glands (194)	0	0.14	0.00	[0.00 - 26.1]
Ill defined (195,199)	1	2.58	0.39	[0.01 - 2.16]
Lymphatic & hematopoietic tissue (200-208)	4	7.52	0.53	[0.14 - 1.36]
Non-Hodgkins lymphoma (200,202)	0	2.3	0.00	[0.00 - 1.61]
Hodgkins disease (201)	2	0.61	3.30	[0.40 - 11.9]
Multiple myeloma (203)	0	1.54	0.00	[0.00 - 2.39]
Leukemia & aleukemia (204-208)	2	2.95	0.68	[0.08 - 2.45]
Lymphoid leukemia (204)	0	0.68	0.00	[0.00 - 5.40]
Myeloid leukemia (205)	0	1.28	0.00	[0.00 - 2.88]
BENIGN NEOPLASMS (210-239)	1	2	0.50	[0.01 - 2.78]
DIS. OF ENDOCRINE SYSTEM & BLOOD (240-289)	4	8.1	0.49	[0.13 - 1.26]
MENTAL DISORDERS (290-319)	0	9.87	0.00	[0.00 - 0.37]
DIS. OF NERVOUS SYSTEM (320-389)	5	6.31	0.79	[0.26 - 1.85]
DIS. OF CIRCULATORY SYSTEM (390-459)	141	182.34	0.77	[0.65 - 0.91]
Hypertension (401-405)	4	6.62	0.60	[0.16 - 1.55]
Ischaemic heart disease (410-414)	73	87.72	0.83	[0.65 - 1.05]
Cerebrovascular (430-438)	28	52.49	0.53	[0.35 - 0.77]
Other heart diseases (4150,4152-4299)	12	19.99	0.60	[0.31 - 1.05]
DIS. OF RESPIRATORY SYSTEM (460-519)	16	21.16	0.76	[0.43 - 1.23]
Influenza (487)	1	1.31	0.76	[0.02 - 4.25]
Pneumonia (480-486)	11	14.46	0.76	[0.38 - 1.36]
Bronchitis,emphysema & asthma (490-493)	1	3.58	0.28	[0.01 - 1.56]
Pneumoconioses (500-508)	0	0.09	0.00	[0.00 - 43.3]
DIS. OF DIGESTIVE SYSTEM (520-579)	6	12.19	0.49	[0.18 - 1.07]
Liver cirrhosis (571)	1	2.09	0.48	[0.01 - 2.67]
DIS. OF GENITO-URINARY SYSTEM (580-629)	7	7.32	0.96	[0.38 - 1.97]
Nephritis & nephrosis (580-589)	2	2.59	0.77	[0.09 - 2.79]
DIS. OF THE SKIN (680-739)	3	3.42	0.88	[0.18 - 2.56]
SYMPTOMS AND ILL-DEFINED CONDITIONS (780-799)	0	2.25	0.00	[0.00 - 1.64]
EXTERNAL CAUSES (E800-999)	20	20.57	0.97	[0.59 - 1.50]
Traffic accident (E810-819)	4	3.63	1.10	[0.30 - 2.82]
Suicide (E950-959)	2	6.07	0.33	[0.04 - 1.19]
Homicide (E960-969)	0	0.77	0.00	[0.00 - 4.77]
Other external causes (E800-807,E820-949,E970-999)	14	10.1	1.39	[0.76 - 2.33]
UNKNOWN CAUSES	1			
OTHER CAUSES	2			

Table.2.11.1
Mortality by cause

TOTAL COHORT

Ever highly exposed to ACID (inorganic acid mist)

Causes of death (ICD 9th.revision)	Observed	Expected	SMR	95% Confidence intervals
ALL CAUSES	1008	1099.33	0.92	[0.86 - 0.98]
ALL MALIGNANT NEOPLASMS (140-208)	232	277.95	0.83	[0.73 - 0.95]
Oral cavity & pharynx (140-149)	1	6.51	0.15	[0.00 - 0.86]
Oral cavity (141,143-145)	1	2.63	0.38	[0.01 - 2.12]
Nasopharynx (147)	0	0.45	0.00	[0.00 - 8.21]
Oesophagus (150)	11	9.71	1.13	[0.57 - 2.03]
Stomach (151)	17	24.25	0.70	[0.41 - 1.12]
Colon (153)	9	19.44	0.46	[0.21 - 0.88]
Rectum (154)	9	11.81	0.76	[0.35 - 1.45]
Liver (155)	7	5.64	1.24	[0.50 - 2.56]
Gallbladder (156)	3	2.1	1.43	[0.30 - 4.18]
Pancreas (157)	16	12.7	1.26	[0.72 - 2.05]
Peritoneum and other unspecified organs(158-159)	2	1.78	1.12	[0.14 - 4.05]
Nose & sinuses (160)	0	0.82	0.00	[0.00 - 4.52]
Larynx (161)	7	3.88	1.80	[0.72 - 3.72]
Lung (162)	71	85.69	0.83	[0.65 - 1.05]
Pleura (163)	1	1.04	0.96	[0.02 - 5.35]
Other respiratory organs (164-165)	1	0.54	1.84	[0.05 - 10.3]
Bone (170)	1	1.04	0.97	[0.02 - 5.38]
Soft tissue (171)	0	0.9	0.00	[0.00 - 4.11]
Melanoma (172)	2	2.54	0.79	[0.10 - 2.84]
Other skin (173)	2	0.81	2.47	[0.30 - 8.91]
Breast (174-175)	5	5.99	0.84	[0.27 - 1.95]
Cervix uteri (180)	4	1.28	3.11	[0.85 - 7.98]
Corpus uteri & uterus unspecified (179,181-182)	0	0.82	0.00	[0.00 - 4.49]
Ovary (183)	1	2.01	0.50	[0.01 - 2.77]
Other female genital organs (184)	0	0.2	0.00	[0.00 - 18.5]
Prostate (185)	12	17.49	0.69	[0.35 - 1.20]
Testis (186)	1	0.95	1.05	[0.03 - 5.86]
Other male genital organs (187)	0	0.34	0.00	[0.00 - 11.0]
Bladder (188)	6	9.59	0.63	[0.23 - 1.36]
Kidney (189)	5	6.6	0.76	[0.25 - 1.77]
Eye (190)	0	0.33	0.00	[0.00 - 11.2]
Brain (191-192)	3	6.32	0.47	[0.10 - 1.39]
Thyroid (193)	1	0.65	1.53	[0.04 - 8.54]
Other endocrine glands (194)	0	0.29	0.00	[0.00 - 12.6]
Ill defined (195,199)	11	11.91	0.92	[0.46 - 1.65]
Lymphatic & hematopoietic tissue (200-208)	19	18.73	1.01	[0.61 - 1.58]
Non-Hodgkins lymphoma (200,202)	4	5.86	0.68	[0.19 - 1.75]
Hodgkins disease (201)	2	1.72	1.16	[0.14 - 4.20]
Multiple myeloma (203)	4	3.45	1.16	[0.32 - 2.97]
Leukemia & aleukemia (204-208)	9	7.53	1.20	[0.55 - 2.27]
Lymphoid leukemia (204)	1	2.04	0.49	[0.01 - 2.73]
Myeloid leukemia (205)	7	3.19	2.20	[0.88 - 4.53]
BENIGN NEOPLASMS (210-239)	3	4.18	0.72	[0.15 - 2.10]
DIS. OF ENDOCRINE SYSTEM & BLOOD (240-289)	11	17.4	0.63	[0.32 - 1.13]
MENTAL DISORDERS (290-319)	15	10.2	1.47	[0.82 - 2.43]
DIS. OF NERVOUS SYSTEM (320-389)	9	13.7	0.66	[0.30 - 1.25]
DIS. OF CIRCULATORY SYSTEM (390-459)	507	504.31	1.01	[0.92 - 1.10]
Hypertension (401-405)	8	9.89	0.81	[0.35 - 1.59]
Ischaemic heart disease (410-414)	324	318.19	1.02	[0.91 - 1.14]
Cerebrovascular (430-438)	106	102.36	1.04	[0.85 - 1.25]
Other heart diseases (4150,4152-4299)	26	36.59	0.71	[0.46 - 1.04]
DIS. OF RESPIRATORY SYSTEM (460-519)	74	89.86	0.82	[0.65 - 1.03]
Influenza (487)	1	2.23	0.45	[0.01 - 2.49]
Pneumonia (480-486)	24	34.29	0.70	[0.45 - 1.04]
Bronchitis,emphysema & asthma (490-493)	31	31.39	0.99	[0.67 - 1.40]
Pneumoconioses (500-508)	1	1.78	0.56	[0.01 - 3.12]
DIS. OF DIGESTIVE SYSTEM (520-579)	35	41.77	0.84	[0.58 - 1.17]
Liver cirrhosis (571)	16	16.01	1.00	[0.57 - 1.62]
DIS. OF GENITO-URINARY SYSTEM (580-629)	9	14.05	0.64	[0.29 - 1.22]
Nephritis & nephrosis (580-589)	6	6.63	0.90	[0.33 - 1.97]
DIS. OF THE SKIN (680-739)	1	3.57	0.28	[0.01 - 1.56]
SYMPTOMS AND ILL-DEFINED CONDITIONS (780-799)	7	19.18	0.36	[0.15 - 0.75]
EXTERNAL CAUSES (E800-999)	84	91.21	0.92	[0.73 - 1.14]
Traffic accident (E810-819)	17	19.33	0.88	[0.51 - 1.41]
Suicide (E950-959)	29	28.55	1.02	[0.68 - 1.46]
Homicide (E960-969)	1	2.47	0.41	[0.01 - 2.26]
Other external causes (E800-807,E820-949,E970-999)	37	40.87	0.91	[0.64 - 1.25]
UNKNOWN CAUSES	6			
OTHER CAUSES	15			

Table.2.11.1
Mortality by cause

TOTAL COHORT

Ever highly exposed to ACID (inorganic acid mist)

Men

Causes of death (ICD 9th.revision)	Observed	Expected	SMR	95% Confidence intervals
ALL CAUSES	907	981.69	0.92	[0.86 - 0.99]
ALL MALIGNANT NEOPLASMS (140-208)	204	247.31	0.82	[0.72 - 0.95]
Oral cavity & pharynx (140-149)	1	6.19	0.16	[0.00 - 0.90]
Oral cavity (141,143-145)	1	2.49	0.40	[0.01 - 2.24]
Nasopharynx (147)	0	0.43	0.00	[0.00 - 8.67]
Oesophagus (150)	11	8.86	1.24	[0.62 - 2.22]
Stomach (151)	16	22.14	0.72	[0.41 - 1.17]
Colon (153)	9	16.63	0.54	[0.25 - 1.03]
Rectum (154)	9	10.59	0.85	[0.39 - 1.61]
Liver (155)	7	5.26	1.33	[0.54 - 2.74]
Gallbladder (156)	3	1.74	1.72	[0.36 - 5.03]
Pancreas (157)	14	11.32	1.24	[0.68 - 2.08]
Peritoneum and other unspecified organs(158-159)	1	1.57	0.64	[0.02 - 3.55]
Nose & sinuses (160)	0	0.78	0.00	[0.00 - 4.73]
Larynx (161)	7	3.79	1.85	[0.74 - 3.81]
Lung (162)	67	81.01	0.83	[0.64 - 1.05]
Pleura (163)	1	1.02	0.98	[0.02 - 5.48]
Other respiratory organs (164-165)	1	0.52	1.93	[0.05 - 10.7]
Bone (170)	1	0.96	1.05	[0.03 - 5.82]
Soft tissue (171)	0	0.81	0.00	[0.00 - 4.56]
Melanoma (172)	1	2.3	0.43	[0.01 - 2.42]
Other skin (173)	1	0.72	1.38	[0.03 - 7.69]
Breast (174-175)	0	0.26	0.00	[0.00 - 14.0]
Cervix uteri (180)	0	-	-	-
Corpus uteri & uterus unspecified (179,181-182)	0	-	-	-
Ovary (183)	0	-	-	-
Other female genital organs (184)	0	-	-	-
Prostate (185)	12	17.49	0.69	[0.35 - 1.20]
Testis (186)	1	0.95	1.05	[0.03 - 5.86]
Other male genital organs (187)	0	0.34	0.00	[0.00 - 11.0]
Bladder (188)	5	8.98	0.56	[0.18 - 1.30]
Kidney (189)	5	6.06	0.83	[0.27 - 1.93]
Eye (190)	0	0.29	0.00	[0.00 - 12.9]
Brain (191-192)	3	5.73	0.52	[0.11 - 1.53]
Thyroid (193)	1	0.52	1.94	[0.05 - 10.8]
Other endocrine glands (194)	0	0.26	0.00	[0.00 - 13.9]
Ill defined (195,199)	9	10.51	0.86	[0.39 - 1.63]
Lymphatic & hematopoietic tissue (200-208)	16	16.87	0.95	[0.54 - 1.54]
Non-Hodgkins lymphoma (200,202)	3	5.22	0.57	[0.12 - 1.68]
Hodgkins disease (201)	1	1.57	0.64	[0.02 - 3.55]
Multiple myeloma (203)	4	3.07	1.30	[0.36 - 3.34]
Leukemia & aleukemia (204-208)	8	6.86	1.17	[0.50 - 2.30]
Lymphoid leukemia (204)	1	1.9	0.53	[0.01 - 2.93]
Myeloid leukemia (205)	6	2.89	2.07	[0.76 - 4.52]
BENIGN NEOPLASMS (210-239)	3	3.74	0.80	[0.17 - 2.34]
DIS. OF ENDOCRINE SYSTEM & BLOOD (240-289)	10	15.02	0.67	[0.32 - 1.22]
MENTAL DISORDERS (290-319)	14	8.73	1.60	[0.88 - 2.69]
DIS. OF NERVOUS SYSTEM (320-389)	8	12.03	0.67	[0.29 - 1.31]
DIS. OF CIRCULATORY SYSTEM (390-459)	450	446.86	1.01	[0.92 - 1.10]
Hypertension (401-405)	7	8.52	0.82	[0.33 - 1.69]
Ischaemic heart disease (410-414)	291	288.96	1.01	[0.89 - 1.13]
Cerebrovascular (430-438)	86	84.91	1.01	[0.81 - 1.25]
Other heart diseases (4150,4152-4299)	26	32.61	0.80	[0.52 - 1.17]
DIS. OF RESPIRATORY SYSTEM (460-519)	64	79.74	0.80	[0.62 - 1.02]
Influenza (487)	1	1.88	0.53	[0.01 - 2.96]
Pneumonia (480-486)	16	28.76	0.56	[0.32 - 0.90]
Bronchitis,emphysema & asthma (490-493)	29	29.39	0.99	[0.66 - 1.42]
Pneumoconioses (500-508)	1	1.74	0.57	[0.01 - 3.20]
DIS. OF DIGESTIVE SYSTEM (520-579)	33	37.69	0.88	[0.60 - 1.23]
Liver cirrhosis (571)	16	15.34	1.04	[0.60 - 1.69]
DIS. OF GENITO-URINARY SYSTEM (580-629)	9	12.01	0.75	[0.34 - 1.42]
Nephritis & nephrosis (580-589)	6	5.65	1.06	[0.39 - 2.31]
DIS. OF THE SKIN (680-739)	1	2.69	0.37	[0.01 - 2.07]
SYMPTOMS AND ILL-DEFINED CONDITIONS (780-799)	7	18.43	0.38	[0.15 - 0.78]
EXTERNAL CAUSES (E800-999)	83	86.65	0.96	[0.76 - 1.19]
Traffic accident (E810-819)	16	18.56	0.86	[0.49 - 1.40]
Suicide (E950-959)	29	27.46	1.06	[0.71 - 1.52]
Homicide (E960-969)	1	2.36	0.42	[0.01 - 2.36]
Other external causes (E800-807,E820-949,E970-999)	37	38.27	0.97	[0.68 - 1.33]
UNKNOWN CAUSES	6			
OTHER CAUSES	15			

**Table.2.11.1
Mortality by cause**

TOTAL COHORT

Ever highly exposed to ACID (inorganic acid mist)

Women

Causes of death (ICD 9th.revision)	Observed	Expected	SMR	95% Confidence intervals
ALL CAUSES	101	117.64	0.86	[0.70 - 1.04]
ALL MALIGNANT NEOPLASMS (140-208)	28	30.64	0.91	[0.61 - 1.32]
Oral cavity & pharynx (140-149)	0	0.32	0.00	[0.00 - 11.5]
Oral cavity (141,143-145)	0	0.14	0.00	[0.00 - 25.7]
Nasopharynx (147)	0	0.02	0.00	[0.00 - 0155]
Oesophagus (150)	0	0.85	0.00	[0.00 - 4.34]
Stomach (151)	1	2.12	0.47	[0.01 - 2.63]
Colon (153)	0	2.81	0.00	[0.00 - 1.31]
Rectum (154)	0	1.23	0.00	[0.00 - 3.00]
Liver (155)	0	0.39	0.00	[0.00 - 9.56]
Gallbladder (156)	0	0.36	0.00	[0.00 - 10.4]
Pancreas (157)	2	1.38	1.45	[0.18 - 5.23]
Peritoneum and other unspecified organs(158-159)	1	0.22	4.63	[0.12 - 25.8]
Nose & sinuses (160)	0	0.04	0.00	[0.00 - 0103]
Larynx (161)	0	0.09	0.00	[0.00 - 40.2]
Lung (162)	4	4.68	0.85	[0.23 - 2.19]
Pleura (163)	0	0.03	0.00	[0.00 - 0141]
Other respiratory organs (164-165)	0	0.02	0.00	[0.00 - 0149]
Bone (170)	0	0.08	0.00	[0.00 - 46.9]
Soft tissue (171)	0	0.09	0.00	[0.00 - 41.7]
Melanoma (172)	1	0.24	4.21	[0.11 - 23.5]
Other skin (173)	1	0.09	11.60	[0.29 - 64.7]
Breast (174-175)	5	5.72	0.87	[0.28 - 2.04]
Cervix uteri (180)	4	1.28	3.11	[0.85 - 7.98]
Corpus uteri & uterus unspecified (179,181-182)	0	0.82	0.00	[0.00 - 4.49]
Ovary (183)	1	2.01	0.50	[0.01 - 2.77]
Other female genital organs (184)	0	0.2	0.00	[0.00 - 18.5]
Prostate (185)	0	-	-	-
Testis (186)	0	-	-	-
Other male genital organs (187)	0	-	-	-
Bladder (188)	1	0.61	1.64	[0.04 - 9.16]
Kidney (189)	0	0.54	0.00	[0.00 - 6.83]
Eye (190)	0	0.04	0.00	[0.00 - 83.8]
Brain (191-192)	0	0.59	0.00	[0.00 - 6.24]
Thyroid (193)	0	0.14	0.00	[0.00 - 26.9]
Other endocrine glands (194)	0	0.03	0.00	[0.00 - 0136]
Ill defined (195,199)	2	1.4	1.42	[0.17 - 5.15]
Lymphatic & heamatopoietic tissue (200-208)	3	1.86	1.61	[0.33 - 4.71]
Non-Hodgkins lymphoma (200,202)	1	0.64	1.56	[0.04 - 8.70]
Hodgkins disease (201)	1	0.15	6.77	[0.17 - 37.7]
Multiple myeloma (203)	0	0.38	0.00	[0.00 - 9.71]
Leukemia & aleukemia (204-208)	1	0.67	1.49	[0.04 - 8.30]
Lymphoid leukemia (204)	0	0.14	0.00	[0.00 - 26.6]
Myeloid leukemia (205)	1	0.29	3.39	[0.08 - 18.9]
BENIGN NEOPLASMS (210-239)	0	0.43	0.00	[0.00 - 8.49]
DIS. OF ENDOCRINE SYSTEM & BLOOD (240-289)	1	2.38	0.42	[0.01 - 2.34]
MENTAL DISORDERS (290-319)	1	1.47	0.68	[0.02 - 3.78]
DIS. OF NERVOUS SYSTEM (320-389)	1	1.67	0.60	[0.01 - 3.34]
DIS. OF CIRCULATORY SYSTEM (390-459)	57	57.45	0.99	[0.75 - 1.29]
Hypertension (401-405)	1	1.37	0.73	[0.02 - 4.07]
Ischaemic heart disease (410-414)	33	29.23	1.13	[0.78 - 1.59]
Cerebrovascular (430-438)	20	17.45	1.15	[0.70 - 1.77]
Other heart diseases (4150,4152-4299)	0	3.97	0.00	[0.00 - 0.93]
DIS. OF RESPIRATORY SYSTEM (460-519)	10	10.13	0.99	[0.47 - 1.82]
Influenza (487)	0	0.35	0.00	[0.00 - 10.5]
Pneumonia (480-486)	8	5.52	1.45	[0.63 - 2.85]
Bronchitis,empysema & asthma (490-493)	2	2	1.00	[0.12 - 3.62]
Pneumoconioses (500-508)	0	0.04	0.00	[0.00 - 82.3]
DIS. OF DIGESTIVE SYSTEM (520-579)	2	4.08	0.49	[0.06 - 1.77]
Liver cirrhosis (571)	0	0.67	0.00	[0.00 - 5.50]
DIS. OF GENITO-URINARY SYSTEM (580-629)	0	2.05	0.00	[0.00 - 1.80]
Nephritis & nephrosis (580-589)	0	0.99	0.00	[0.00 - 3.74]
DIS. OF THE SKIN (680-739)	0	0.88	0.00	[0.00 - 4.20]
SYMPTOMS AND ILL-DEFINED CONDITIONS (780-799)	0	0.75	0.00	[0.00 - 4.95]
EXTERNAL CAUSES (E800-999)	1	4.55	0.22	[0.01 - 1.22]
Traffic accident (E810-819)	1	0.76	1.31	[0.03 - 7.30]
Suicide (E950-959)	0	1.09	0.00	[0.00 - 3.39]
Homicide (E960-969)	0	0.1	0.00	[0.00 - 35.9]
Other external causes (E800-807,E820-949,E970-999)	0	2.6	0.00	[0.00 - 1.42]
UNKNOWN CAUSES	0			
OTHER CAUSES	0			

Table 2.11.2
Mortality by cause

TOTAL COHORT

Ever highly exposed to ASB (asbestos)

Causes of death (ICD 9th.revision)	Observed	Expected	SMR	95% Confidence intervals
ALL CAUSES	782	819.11	0.95	[0.89 - 1.02]
ALL MALIGNANT NEOPLASMS (140-208)	170	182.17	0.93	[0.80 - 1.08]
Oral cavity & pharynx (140-149)	2	3.91	0.51	[0.06 - 1.85]
Oral cavity (141,143-145)	1	1.48	0.67	[0.02 - 3.76]
Nasopharynx (147)	0	0.28	0.00	[0.00 - 13.0]
Oesophagus (150)	3	4.69	0.64	[0.13 - 1.87]
Stomach (151)	23	19.67	1.17	[0.74 - 1.75]
Colon (153)	7	10.67	0.66	[0.26 - 1.35]
Rectum (154)	6	7.38	0.81	[0.30 - 1.77]
Liver (155)	2	4.14	0.48	[0.06 - 1.75]
Gallbladder (156)	3	1.7	1.77	[0.36 - 5.17]
Pancreas (157)	7	9.63	0.73	[0.29 - 1.50]
Peritoneum and other unspecified organs(158-159)	0	1.2	0.00	[0.00 - 3.06]
Nose & sinuses (160)	1	0.54	1.84	[0.05 - 10.3]
Larynx (161)	6	2.49	2.41	[0.89 - 5.25]
Lung (162)	47	51.87	0.91	[0.67 - 1.20]
Pleura (163)	3	0.76	3.93	[0.81 - 11.5]
Other respiratory organs (164-165)	0	0.53	0.00	[0.00 - 6.91]
Bone (170)	0	0.82	0.00	[0.00 - 4.50]
Soft tissue (171)	0	0.72	0.00	[0.00 - 5.11]
Melanoma (172)	4	2.47	1.62	[0.44 - 4.14]
Other skin (173)	1	0.53	1.89	[0.05 - 10.5]
Breast (174-175)	2	1.44	1.39	[0.17 - 5.02]
Cervix uteri (180)	0	0.31	0.00	[0.00 - 11.7]
Corpus uteri & uterus unspecified (179,181-182)	2	0.3	6.68	[0.81 - 24.1]
Ovary (183)	0	0.55	0.00	[0.00 - 6.74]
Other female genital organs (184)	0	0.08	0.00	[0.00 - 47.5]
Prostate (185)	19	14.53	1.31	[0.79 - 2.04]
Testis (186)	0	0.65	0.00	[0.00 - 5.67]
Other male genital organs (187)	0	0.21	0.00	[0.00 - 17.6]
Bladder (188)	3	5.56	0.54	[0.11 - 1.58]
Kidney (189)	4	5.2	0.77	[0.21 - 1.97]
Eye (190)	0	0.27	0.00	[0.00 - 13.7]
Brain (191-192)	2	4.83	0.41	[0.05 - 1.50]
Thyroid (193)	0	0.53	0.00	[0.00 - 6.94]
Other endocrine glands (194)	0	0.28	0.00	[0.00 - 13.3]
Ill defined (195,199)	6	6.27	0.96	[0.35 - 2.08]
Lymphatic & hematopoietic tissue (200-208)	16	14.77	1.08	[0.62 - 1.76]
Non-Hodgkins lymphoma (200,202)	7	4.41	1.59	[0.64 - 3.27]
Hodgkins disease (201)	1	1.5	0.67	[0.02 - 3.72]
Multiple myeloma (203)	4	2.65	1.51	[0.41 - 3.87]
Leukemia & aleukemia (204-208)	4	5.99	0.67	[0.18 - 1.71]
Lymphoid leukemia (204)	0	1.57	0.00	[0.00 - 2.35]
Myeloid leukemia (205)	4	2.39	1.67	[0.46 - 4.28]
BENIGN NEOPLASMS (210-239)	2	3.19	0.63	[0.08 - 2.27]
DIS. OF ENDOCRINE SYSTEM & BLOOD (240-289)	10	12.4	0.81	[0.39 - 1.48]
MENTAL DISORDERS (290-319)	4	8.56	0.47	[0.13 - 1.20]
DIS. OF NERVOUS SYSTEM (320-389)	6	10.26	0.58	[0.21 - 1.27]
DIS. OF CIRCULATORY SYSTEM (390-459)	404	377.4	1.07	[0.97 - 1.18]
Hypertension (401-405)	6	7.87	0.76	[0.28 - 1.66]
Ischaemic heart disease (410-414)	226	242.3	0.93	[0.82 - 1.06]
Cerebrovascular (430-438)	62	69.25	0.90	[0.69 - 1.15]
Other heart diseases (4150,4152-4299)	32	31.01	1.03	[0.71 - 1.46]
DIS. OF RESPIRATORY SYSTEM (460-519)	48	51.82	0.93	[0.68 - 1.23]
Influenza (487)	0	1.79	0.00	[0.00 - 2.06]
Pneumonia (480-486)	17	21.84	0.78	[0.45 - 1.25]
Bronchitis,emphysema & asthma (490-493)	19	19.47	0.98	[0.59 - 1.52]
Pneumoconioses (500-508)	1	0.72	1.39	[0.03 - 7.74]
DIS. OF DIGESTIVE SYSTEM (520-579)	22	29.37	0.75	[0.47 - 1.13]
Liver cirrhosis (571)	8	10.74	0.74	[0.32 - 1.47]
DIS. OF GENITO-URINARY SYSTEM (580-629)	7	11.07	0.63	[0.25 - 1.30]
Nephritis & nephrosis (580-589)	3	4.95	0.61	[0.13 - 1.77]
DIS. OF THE SKIN (680-739)	1	2.5	0.40	[0.01 - 2.23]
SYMPTOMS AND ILL-DEFINED CONDITIONS (780-799)	10	16.39	0.61	[0.29 - 1.12]
EXTERNAL CAUSES (E800-999)	76	100.19	0.76	[0.60 - 0.95]
Traffic accident (E810-819)	2	18.69	0.48	[0.22 - 0.91]
Suicide (E950-959)	14	30.8	0.45	[0.25 - 0.76]
Homicide (E960-969)	0	4	0.00	[0.00 - 0.92]
Other external causes (E800-807,E820-949,E970-999)	53	46.69	1.14	[0.85 - 1.48]
UNKNOWN CAUSES	5			
OTHER CAUSES	17			

**Table 2.11.2
Mortality by cause**

TOTAL COHORT

Ever highly exposed to ASB (asbestos)

Men

Causes of death (ICD 9th.revision)	Observed	Expected	SMR	95% Confidence intervals
ALL CAUSES	748	781.41	0.96	[0.89 - 1.03]
ALL MALIGNANT NEOPLASMS (140-208)	161	174.16	0.92	[0.79 - 1.08]
Oral cavity & pharynx (140-149)	2	3.82	0.52	[0.06 - 1.89]
Oral cavity (141,143-145)	1	1.44	0.69	[0.02 - 3.87]
Nasopharynx (147)	0	0.28	0.00	[0.00 - 13.3]
Oesophagus (150)	3	4.51	0.66	[0.14 - 1.94]
Stomach (151)	21	18.8	1.12	[0.69 - 1.71]
Colon (153)	7	10.17	0.69	[0.28 - 1.42]
Rectum (154)	6	7.06	0.85	[0.31 - 1.85]
Liver (155)	2	3.93	0.51	[0.06 - 1.84]
Gallbladder (156)	3	1.45	2.07	[0.43 - 6.04]
Pancreas (157)	6	9.1	0.66	[0.24 - 1.44]
Peritoneum and other unspecified organs(158-159)	0	1.09	0.00	[0.00 - 3.38]
Nose & sinuses (160)	1	0.53	1.90	[0.05 - 10.6]
Larynx (161)	6	2.47	2.42	[0.89 - 5.28]
Lung (162)	46	51.38	0.90	[0.66 - 1.19]
Pleura (163)	3	0.74	4.04	[0.83 - 11.8]
Other respiratory organs (164-165)	0	0.52	0.00	[0.00 - 7.09]
Bone (170)	0	0.79	0.00	[0.00 - 4.67]
Soft tissue (171)	0	0.68	0.00	[0.00 - 5.40]
Melanoma (172)	4	2.38	1.68	[0.46 - 4.30]
Other skin (173)	1	0.5	1.99	[0.05 - 11.1]
Breast (174-175)	0	0.15	0.00	[0.00 - 25.4]
Cervix uteri (180)	0	-	-	-
Corpus uteri & uterus unspecified (179,181-182)	0	-	-	-
Ovary (183)	0	-	-	-
Other female genital organs (184)	0	-	-	-
Prostate (185)	19	14.53	1.31	[0.79 - 2.04]
Testis (186)	0	0.65	0.00	[0.00 - 5.67]
Other male genital organs (187)	0	0.21	0.00	[0.00 - 17.6]
Bladder (188)	3	5.46	0.55	[0.11 - 1.61]
Kidney (189)	4	4.99	0.80	[0.22 - 2.05]
Eye (190)	0	0.25	0.00	[0.00 - 14.6]
Brain (191-192)	2	4.64	0.43	[0.05 - 1.56]
Thyroid (193)	0	0.46	0.00	[0.00 - 7.99]
Other endocrine glands (194)	0	0.26	0.00	[0.00 - 13.9]
Ill defined (195,199)	6	6.02	1.00	[0.37 - 2.17]
Lymphatic & heamatopoietic tissue (200-208)	15	14.05	1.07	[0.60 - 1.76]
Non-Hodgkins lymphoma (200,202)	7	4.18	1.68	[0.67 - 3.45]
Hodgkins disease (201)	0	1.44	0.00	[0.00 - 2.55]
Multiple myeloma (203)	4	2.49	1.61	[0.44 - 4.11]
Leukemia & aleukemia (204-208)	4	5.71	0.70	[0.19 - 1.79]
Lymphoid leukemia (204)	0	1.5	0.00	[0.00 - 2.46]
Myeloid leukemia (205)	4	2.27	1.76	[0.48 - 4.51]
BENIGN NEOPLASMS (210-239)	2	2.99	0.67	[0.08 - 2.42]
DIS. OF ENDOCRINE SYSTEM & BLOOD (240-289)	10	11.57	0.86	[0.41 - 1.59]
MENTAL DISORDERS (290-319)	4	7.4	0.54	[0.15 - 1.38]
DIS. OF NERVOUS SYSTEM (320-389)	6	9.66	0.62	[0.23 - 1.35]
DIS. OF CIRCULATORY SYSTEM (390-459)	386	357.77	1.08	[0.97 - 1.19]
Hypertension (401-405)	6	7.17	0.84	[0.31 - 1.82]
Ischaemic heart disease (410-414)	217	232.82	0.93	[0.81 - 1.06]
Cerebrovascular (430-438)	58	63.58	0.91	[0.69 - 1.18]
Other heart diseases (4150,4152-4299)	30	28.83	1.04	[0.70 - 1.49]
DIS. OF RESPIRATORY SYSTEM (460-519)	47	49.52	0.95	[0.70 - 1.26]
Influenza (487)	0	1.64	0.00	[0.00 - 2.25]
Pneumonia (480-486)	16	20.23	0.79	[0.45 - 1.28]
Bronchitis,emphysema & asthma (490-493)	19	19.11	0.99	[0.60 - 1.55]
Pneumoconioses (500-508)	1	0.71	1.41	[0.04 - 7.83]
DIS. OF DIGESTIVE SYSTEM (520-579)	22	28.13	0.78	[0.49 - 1.18]
Liver cirrhosis (571)	8	10.56	0.76	[0.33 - 1.49]
DIS. OF GENITO-URINARY SYSTEM (580-629)	5	10.3	0.49	[0.16 - 1.13]
Nephritis & nephrosis (580-589)	3	4.71	0.64	[0.13 - 1.86]
DIS. OF THE SKIN (680-739)	1	2.17	0.46	[0.01 - 2.57]
SYMPTOMS AND ILL-DEFINED CONDITIONS (780-799)	10	16.21	0.62	[0.30 - 1.13]
EXTERNAL CAUSES (E800-999)	72	98.38	0.73	[0.57 - 0.92]
Traffic accident (E810-819)	8	18.37	0.44	[0.19 - 0.86]
Suicide (E950-959)	14	30.3	0.46	[0.25 - 0.78]
Homicide (E960-969)	0	3.95	0.00	[0.00 - 0.93]
Other external causes (E800-807,E820-949,E970-999)	50	45.76	1.09	[0.81 - 1.44]
UNKNOWN CAUSES	5			
OTHER CAUSES	17			

**Table 2.11.2
Mortality by cause**

TOTAL COHORT

Ever highly exposed to ASB (asbestos)

Women

Causes of death (ICD 9th.revision)	Observed	Expected	SMR	95% Confidence intervals
ALL CAUSES	34	37.7	0.90	[0.62 - 1.26]
ALL MALIGNANT NEOPLASMS (140-208)	9	8.01	1.12	[0.51 - 2.13]
Oral cavity & pharynx (140-149)	0	0.09	0.00	[0.00 - 42.5]
Oral cavity (141,143-145)	0	0.04	0.00	[0.00 - 88.5]
Nasopharynx (147)	0	0.01	0.00	[0.00 - 0510]
Oesophagus (150)	0	0.18	0.00	[0.00 - 20.6]
Stomach (151)	2	0.87	2.31	[0.28 - 8.35]
Colon (153)	0	0.5	0.00	[0.00 - 7.33]
Rectum (154)	0	0.32	0.00	[0.00 - 11.5]
Liver (155)	0	0.2	0.00	[0.00 - 18.2]
Gallbladder (156)	0	0.25	0.00	[0.00 - 15.0]
Pancreas (157)	1	0.53	1.87	[0.05 - 10.4]
Peritoneum and other unspecified organs(158-159)	0	0.11	0.00	[0.00 - 32.3]
Nose & sinuses (160)	0	0.02	0.00	[0.00 - 0231]
Larynx (161)	0	0.01	0.00	[0.00 - 0364]
Lung (162)	1	0.49	2.03	[0.05 - 11.3]
Pleura (163)	0	0.02	0.00	[0.00 - 0183]
Other respiratory organs (164-165)	0	0.01	0.00	[0.00 - 0269]
Bone (170)	0	0.03	0.00	[0.00 - 0128]
Soft tissue (171)	0	0.04	0.00	[0.00 - 94.6]
Melanoma (172)	0	0.09	0.00	[0.00 - 39.6]
Other skin (173)	0	0.03	0.00	[0.00 - 0147]
Breast (174-175)	2	1.3	1.54	[0.19 - 5.58]
Cervix uteri (180)	0	0.31	0.00	[0.00 - 11.7]
Corpus uteri & uterus unspecified (179,181-182)	2	0.3	6.68	[0.81 - 24.1]
Ovary (183)	0	0.55	0.00	[0.00 - 6.74]
Other female genital organs (184)	0	0.08	0.00	[0.00 - 47.5]
Prostate (185)	0	-	-	-
Testis (186)	0	-	-	-
Other male genital organs (187)	0	-	-	-
Bladder (188)	0	0.1	0.00	[0.00 - 38.4]
Kidney (189)	0	0.22	0.00	[0.00 - 17.1]
Eye (190)	0	0.02	0.00	[0.00 - 0221]
Brain (191-192)	0	0.19	0.00	[0.00 - 19.3]
Thyroid (193)	0	0.07	0.00	[0.00 - 52.7]
Other endocrine glands (194)	0	0.01	0.00	[0.00 - 0276]
Ill defined (195,199)	0	0.26	0.00	[0.00 - 14.3]
Lymphatic & hematopoietic tissue (200-208)	1	0.72	1.39	[0.03 - 7.76]
Non-Hodgkins lymphoma (200,202)	0	0.23	0.00	[0.00 - 16.1]
Hodgkins disease (201)	1	0.05	18.80	[0.47 - 0105]
Multiple myeloma (203)	0	0.16	0.00	[0.00 - 23.5]
Leukemia & aleukemia (204-208)	0	0.27	0.00	[0.00 - 13.4]
Lymphoid leukemia (204)	0	0.07	0.00	[0.00 - 52.7]
Myeloid leukemia (205)	0	0.12	0.00	[0.00 - 30.1]
BENIGN NEOPLASMS (210-239)	0	0.2	0.00	[0.00 - 18.5]
DIS. OF ENDOCRINE SYSTEM & BLOOD (240-289)	0	0.82	0.00	[0.00 - 4.48]
MENTAL DISORDERS (290-319)	0	1.16	0.00	[0.00 - 3.18]
DIS. OF NERVOUS SYSTEM (320-389)	0	0.6	0.00	[0.00 - 6.20]
DIS. OF CIRCULATORY SYSTEM (390-459)	18	19.63	0.92	[0.54 - 1.45]
Hypertension (401-405)	0	0.7	0.00	[0.00 - 5.27]
Ischaemic heart disease (410-414)	9	9.48	0.95	[0.43 - 1.80]
Cerebrovascular (430-438)	4	5.67	0.71	[0.19 - 1.81]
Other heart diseases (4150,4152-4299)	2	2.18	0.92	[0.11 - 3.31]
DIS. OF RESPIRATORY SYSTEM (460-519)	1	2.3	0.43	[0.01 - 2.42]
Influenza (487)	0	0.15	0.00	[0.00 - 24.8]
Pneumonia (480-486)	1	1.61	0.62	[0.02 - 3.46]
Bronchitis,emphysema & asthma (490-493)	0	0.36	0.00	[0.00 - 10.3]
Pneumoconioses (500-508)	0	0.01	0.00	[0.00 - 0421]
DIS. OF DIGESTIVE SYSTEM (520-579)	0	1.24	0.00	[0.00 - 2.97]
Liver cirrhosis (571)	0	0.18	0.00	[0.00 - 20.6]
DIS. OF GENITO-URINARY SYSTEM (580-629)	2	0.77	2.60	[0.32 - 9.41]
Nephritis & nephrosis (580-589)	0	0.24	0.00	[0.00 - 15.1]
DIS. OF THE SKIN (680-739)	0	0.33	0.00	[0.00 - 11.1]
SYMPTOMS AND ILL-DEFINED CONDITIONS (780-799)	0	0.18	0.00	[0.00 - 20.9]
EXTERNAL CAUSES (E800-999)	4	1.81	2.21	[0.60 - 5.67]
Traffic accident (E810-819)	1	0.32	3.17	[0.08 - 17.6]
Suicide (E950-959)	0	0.5	0.00	[0.00 - 7.34]
Homicide (E960-969)	0	0.06	0.00	[0.00 - 63.0]
Other external causes (E800-807,E820-949,E970-999)	3	0.93	3.22	[0.67 - 9.42]
UNKNOWN CAUSES	0			
OTHER CAUSES	0			

Table 2.11.3
Mortality by cause

TOTAL COHORT
Ever highly exposed to CLIO (inorganic chlorine compounds)

Causes of death (ICD 9th.revision)	Observed	Expected	SMR	95% Confidence intervals
ALL CAUSES	819	925.01	0.89	[0.83 - 0.95]
ALL MALIGNANT NEOPLASMS (140-208)	179	220.94	0.81	[0.70 - 0.94]
Oral cavity & pharynx (140-149)	1	4.17	0.24	[0.01 - 1.34]
Oral cavity (141,143-145)	1	1.71	0.58	[0.01 - 3.26]
Nasopharynx (147)	0	0.35	0.00	[0.00 - 10.5]
Oesophagus (150)	7	7.14	0.98	[0.39 - 2.02]
Stomach (151)	11	21.07	0.52	[0.26 - 0.93]
Colon (153)	10	15.45	0.65	[0.31 - 1.19]
Rectum (154)	6	9.3	0.65	[0.24 - 1.40]
Liver (155)	3	3.79	0.79	[0.16 - 2.32]
Gallbladder (156)	1	1.5	0.67	[0.02 - 3.71]
Pancreas (157)	14	10.15	1.38	[0.75 - 2.31]
Peritoneum and other unspecified organs(158-159)	3	1.08	2.77	[0.57 - 8.10]
Nose & sinuses (160)	1	0.45	2.24	[0.06 - 12.5]
Larynx (161)	3	2.21	1.36	[0.28 - 3.96]
Lung (162)	56	68.83	0.81	[0.61 - 1.06]
Pleura (163)	0	0.72	0.00	[0.00 - 5.11]
Other respiratory organs (164-165)	0	0.28	0.00	[0.00 - 13.1]
Bone (170)	0	0.78	0.00	[0.00 - 4.70]
Soft tissue (171)	0	0.77	0.00	[0.00 - 4.77]
Melanoma (172)	1	2.11	0.47	[0.01 - 2.64]
Other skin (173)	2	0.67	2.97	[0.36 - 10.7]
Breast (174-175)	3	5.02	0.60	[0.12 - 1.74]
Cervix uteri (180)	4	1.09	3.69	[1.00 - 9.44]
Corpus uteri & uterus unspecified (179,181-182)	0	0.63	0.00	[0.00 - 5.90]
Ovary (183)	0	1.63	0.00	[0.00 - 2.27]
Other female genital organs (184)	0	0.16	0.00	[0.00 - 23.8]
Prostate (185)	11	14.93	0.74	[0.37 - 1.32]
Testis (186)	1	0.69	1.45	[0.04 - 8.08]
Other male genital organs (187)	0	0.27	0.00	[0.00 - 13.7]
Bladder (188)	4	7.27	0.55	[0.15 - 1.41]
Kidney (189)	5	5.16	0.97	[0.31 - 2.26]
Eye (190)	0	0.27	0.00	[0.00 - 13.5]
Brain (191-192)	5	5.09	0.98	[0.32 - 2.29]
Thyroid (193)	1	0.5	2.01	[0.05 - 11.2]
Other endocrine glands (194)	1	0.21	4.82	[0.12 - 26.9]
Ill defined (195,199)	7	9.49	0.74	[0.30 - 1.52]
Lymphatic & hematopoietic tissue (200-208)	17	15.33	1.11	[0.65 - 1.78]
Non-Hodgkins lymphoma (200,202)	5	4.81	1.04	[0.34 - 2.43]
Hodgkins disease (201)	1	1.45	0.69	[0.02 - 3.84]
Multiple myeloma (203)	4	2.92	1.37	[0.37 - 3.50]
Leukemia & aleukemia (204-208)	7	5.91	1.18	[0.48 - 2.44]
Lymphoid leukemia (204)	1	1.49	0.67	[0.02 - 3.74]
Myeloid leukemia (205)	5	2.47	2.02	[0.66 - 4.72]
BENIGN NEOPLASMS (210-239)	3	2.97	1.01	[0.21 - 2.95]
DIS. OF ENDOCRINE SYSTEM & BLOOD (240-289)	7	13.67	0.51	[0.21 - 1.05]
MENTAL DISORDERS (290-319)	9	8.13	1.11	[0.51 - 2.10]
DIS. OF NERVOUS SYSTEM (320-389)	7	11.76	0.60	[0.24 - 1.23]
DIS. OF CIRCULATORY SYSTEM (390-459)	447	439.45	1.02	[0.93 - 1.12]
Hypertension (401-405)	6	8.87	0.68	[0.25 - 1.47]
Ischaemic heart disease (410-414)	281	279.43	1.01	[0.89 - 1.13]
Cerebrovascular (430-438)	105	90.2	1.16	[0.95 - 1.41]
Other heart diseases (4150,4152-4299)	23	29.47	0.78	[0.49 - 1.17]
DIS. OF RESPIRATORY SYSTEM (460-519)	65	78.7	0.83	[0.64 - 1.05]
Influenza (487)	0	1.81	0.00	[0.00 - 2.03]
Pneumonia (480-486)	21	32.89	0.64	[0.40 - 0.98]
Bronchitis,emphysema & asthma (490-493)	27	24.61	1.10	[0.72 - 1.60]
Pneumoconioses (500-508)	1	1.32	0.76	[0.02 - 4.22]
DIS. OF DIGESTIVE SYSTEM (520-579)	21	30.97	0.68	[0.42 - 1.04]
Liver cirrhosis (571)	5	9.55	0.52	[0.17 - 1.22]
DIS. OF GENITO-URINARY SYSTEM (580-629)	7	12.25	0.57	[0.23 - 1.18]
Nephritis & nephrosis (580-589)	6	6.23	0.96	[0.35 - 2.10]
DIS. OF THE SKIN (680-739)	1	3.08	0.32	[0.01 - 1.81]
SYMPTOMS AND ILL-DEFINED CONDITIONS (780-799)	7	13.86	0.50	[0.20 - 1.04]
EXTERNAL CAUSES (E800-999)	51	79.15	0.64	[0.48 - 0.85]
Traffic accident (E810-819)	8	16.07	0.50	[0.21 - 0.98]
Suicide (E950-959)	19	22.08	0.86	[0.52 - 1.34]
Homicide (E960-969)	0	2.62	0.00	[0.00 - 1.41]
Other external causes (E800-807,E820-949,E970-999)	24	38.38	0.63	[0.40 - 0.93]
UNKNOWN CAUSES	1			
OTHER CAUSES	14			

**Table 2.11.3
Mortality by cause**

TOTAL COHORT

Ever highly exposed to CLIO (inorganic chlorine compounds)

Men

Causes of death (ICD 9th.revision)	Observed	Expected	SMR	95% Confidence intervals
ALL CAUSES	734	827.05	0.89	[0.82 - 0.95]
ALL MALIGNANT NEOPLASMS (140-208)	157	195.34	0.80	[0.68 - 0.94]
Oral cavity & pharynx (140-149)	1	3.9	0.26	[0.01 - 1.43]
Oral cavity (141,143-145)	1	1.59	0.63	[0.02 - 3.50]
Nasopharynx (147)	0	0.33	0.00	[0.00 - 11.2]
Oesophagus (150)	7	6.36	1.10	[0.44 - 2.27]
Stomach (151)	10	19.36	0.52	[0.25 - 0.95]
Colon (153)	10	13.12	0.76	[0.37 - 1.40]
Rectum (154)	6	8.3	0.72	[0.27 - 1.57]
Liver (155)	3	3.5	0.86	[0.18 - 2.50]
Gallbladder (156)	1	1.25	0.80	[0.02 - 4.45]
Pancreas (157)	11	9.06	1.21	[0.61 - 2.17]
Peritoneum and other unspecified organs(158-159)	2	0.91	2.19	[0.26 - 7.90]
Nose & sinuses (160)	1	0.42	2.39	[0.06 - 13.3]
Larynx (161)	3	2.13	1.41	[0.29 - 4.12]
Lung (162)	53	64.59	0.82	[0.61 - 1.07]
Pleura (163)	0	0.71	0.00	[0.00 - 5.22]
Other respiratory organs (164-165)	0	0.27	0.00	[0.00 - 13.9]
Bone (170)	0	0.72	0.00	[0.00 - 5.15]
Soft tissue (171)	0	0.7	0.00	[0.00 - 5.25]
Melanoma (172)	1	1.92	0.52	[0.01 - 2.90]
Other skin (173)	1	0.6	1.66	[0.04 - 9.27]
Breast (174-175)	0	0.18	0.00	[0.00 - 20.8]
Cervix uteri (180)	0	-	-	-
Corpus uteri & uterus unspecified (179,181-182)	0	-	-	-
Ovary (183)	0	-	-	-
Other female genital organs (184)	0	-	-	-
Prostate (185)	11	14.93	0.74	[0.37 - 1.32]
Testis (186)	1	0.69	1.45	[0.04 - 8.08]
Other male genital organs (187)	0	0.27	0.00	[0.00 - 13.7]
Bladder (188)	3	6.75	0.44	[0.09 - 1.30]
Kidney (189)	5	4.76	1.05	[0.34 - 2.45]
Eye (190)	0	0.24	0.00	[0.00 - 15.5]
Brain (191-192)	5	4.6	1.09	[0.35 - 2.54]
Thyroid (193)	1	0.4	2.52	[0.06 - 14.0]
Other endocrine glands (194)	1	0.19	5.34	[0.13 - 29.8]
Ill defined (195,199)	6	8.32	0.72	[0.26 - 1.57]
Lymphatic & hematopoietic tissue (200-208)	14	13.82	1.01	[0.55 - 1.70]
Non-Hodgkins lymphoma (200,202)	4	4.29	0.93	[0.25 - 2.39]
Hodgkins disease (201)	0	1.33	0.00	[0.00 - 2.78]
Multiple myeloma (203)	4	2.63	1.52	[0.41 - 3.90]
Leukemia & aleukemia (204-208)	6	5.38	1.12	[0.41 - 2.43]
Lymphoid leukemia (204)	1	1.39	0.72	[0.02 - 4.02]
Myeloid leukemia (205)	4	2.24	1.79	[0.49 - 4.58]
BENIGN NEOPLASMS (210-239)	3	2.66	1.13	[0.23 - 3.30]
DIS. OF ENDOCRINE SYSTEM & BLOOD (240-289)	6	11.7	0.51	[0.19 - 1.12]
MENTAL DISORDERS (290-319)	8	6.95	1.15	[0.50 - 2.27]
DIS. OF NERVOUS SYSTEM (320-389)	6	10.34	0.58	[0.21 - 1.26]
DIS. OF CIRCULATORY SYSTEM (390-459)	397	391.79	1.01	[0.92 - 1.12]
Hypertension (401-405)	5	7.78	0.64	[0.21 - 1.50]
Ischaemic heart disease (410-414)	254	255.36	0.99	[0.88 - 1.12]
Cerebrovascular (430-438)	85	75.41	1.13	[0.90 - 1.39]
Other heart diseases (4150,4152-4299)	23	26.29	0.87	[0.55 - 1.31]
DIS. OF RESPIRATORY SYSTEM (460-519)	57	69.73	0.82	[0.62 - 1.06]
Influenza (487)	0	1.54	0.00	[0.00 - 2.39]
Pneumonia (480-486)	15	27.98	0.54	[0.30 - 0.88]
Bronchitis,emphysema & asthma (490-493)	25	22.96	1.09	[0.70 - 1.61]
Pneumoconioses (500-508)	1	1.28	0.78	[0.02 - 4.36]
DIS. OF DIGESTIVE SYSTEM (520-579)	19	27.59	0.69	[0.41 - 1.08]
Liver cirrhosis (571)	5	8.97	0.56	[0.18 - 1.30]
DIS. OF GENITO-URINARY SYSTEM (580-629)	7	10.62	0.66	[0.27 - 1.36]
Nephritis & nephrosis (580-589)	6	5.32	1.13	[0.41 - 2.46]
DIS. OF THE SKIN (680-739)	1	2.34	0.43	[0.01 - 2.38]
SYMPTOMS AND ILL-DEFINED CONDITIONS (780-799)	7	13.43	0.52	[0.21 - 1.07]
EXTERNAL CAUSES (E800-999)	51	75.46	0.68	[0.50 - 0.89]
Traffic accident (E810-819)	8	15.45	0.52	[0.22 - 1.02]
Suicide (E950-959)	19	21.27	0.89	[0.54 - 1.40]
Homicide (E960-969)	0	2.53	0.00	[0.00 - 1.46]
Other external causes (E800-807,E820-949,E970-999)	24	36.22	0.66	[0.42 - 0.99]
UNKNOWN CAUSES	1			
OTHER CAUSES	14			

**Table 2.11.3
Mortality by cause**

TOTAL COHORT

Ever highly exposed to CLIO (inorganic chlorine compounds)

Women

Causes of death (ICD 9th.revision)	Observed	Expected	SMR	95% Confidence intervals
ALL CAUSES	85	97.96	0.87	[0.69 - 1.07]
ALL MALIGNANT NEOPLASMS (140-208)	22	25.6	0.86	[0.54 - 1.30]
Oral cavity & pharynx (140-149)	0	0.27	0.00	[0.00 - 13.5]
Oral cavity (141,143-145)	0	0.12	0.00	[0.00 - 31.1]
Nasopharynx (147)	0	0.02	0.00	[0.00 - 0193]
Oesophagus (150)	0	0.77	0.00	[0.00 - 4.76]
Stomach (151)	1	1.71	0.58	[0.01 - 3.26]
Colon (153)	0	2.33	0.00	[0.00 - 1.58]
Rectum (154)	0	0.99	0.00	[0.00 - 3.72]
Liver (155)	0	0.29	0.00	[0.00 - 12.9]
Gallbladder (156)	0	0.25	0.00	[0.00 - 14.9]
Pancreas (157)	3	1.09	2.76	[0.57 - 8.07]
Peritoneum and other unspecified organs(158-159)	1	0.17	5.98	[0.15 - 33.3]
Nose & sinuses (160)	0	0.03	0.00	[0.00 - 0128]
Larynx (161)	0	0.08	0.00	[0.00 - 44.6]
Lung (162)	3	4.23	0.71	[0.15 - 2.07]
Pleura (163)	0	0.02	0.00	[0.00 - 0235]
Other respiratory organs (164-165)	0	0.02	0.00	[0.00 - 0225]
Bone (170)	0	0.07	0.00	[0.00 - 54.3]
Soft tissue (171)	0	0.07	0.00	[0.00 - 52.2]
Melanoma (172)	0	0.19	0.00	[0.00 - 19.5]
Other skin (173)	1	0.07	13.80	[0.34 - 76.7]
Breast (174-175)	3	4.85	0.62	[0.13 - 1.81]
Cervix uteri (180)	4	1.09	3.69	[1.00 - 9.44]
Corpus uteri & uterus unspecified (179,181-182)	0	0.63	0.00	[0.00 - 5.90]
Ovary (183)	0	1.63	0.00	[0.00 - 2.27]
Other female genital organs (184)	0	0.16	0.00	[0.00 - 23.8]
Prostate (185)	0	-	-	-
Testis (186)	0	-	-	-
Other male genital organs (187)	0	-	-	-
Bladder (188)	1	0.52	1.94	[0.05 - 10.8]
Kidney (189)	0	0.4	0.00	[0.00 - 9.31]
Eye (190)	0	0.03	0.00	[0.00 - 0107]
Brain (191-192)	0	0.49	0.00	[0.00 - 7.51]
Thyroid (193)	0	0.1	0.00	[0.00 - 36.6]
Other endocrine glands (194)	0	0.02	0.00	[0.00 - 0184]
Ill defined (195,199)	1	1.18	0.85	[0.02 - 4.74]
Lymphatic & heamatopoietic tissue (200-208)	3	1.5	1.99	[0.41 - 5.83]
Non-Hodgkins lymphoma (200,202)	1	0.52	1.91	[0.05 - 10.6]
Hodgkins disease (201)	1	0.13	7.98	[0.20 - 44.4]
Multiple myeloma (203)	0	0.3	0.00	[0.00 - 12.5]
Leukemia & aleukemia (204-208)	1	0.53	1.89	[0.05 - 10.5]
Lymphoid leukemia (204)	0	0.1	0.00	[0.00 - 35.5]
Myeloid leukemia (205)	1	0.23	4.26	[0.11 - 23.7]
BENIGN NEOPLASMS (210-239)	0	0.31	0.00	[0.00 - 11.8]
DIS. OF ENDOCRINE SYSTEM & BLOOD (240-289)	1	1.97	0.51	[0.01 - 2.82]
MENTAL DISORDERS (290-319)	1	1.18	0.85	[0.02 - 4.72]
DIS. OF NERVOUS SYSTEM (320-389)	1	1.43	0.70	[0.02 - 3.90]
DIS. OF CIRCULATORY SYSTEM (390-459)	50	47.66	1.05	[0.78 - 1.38]
Hypertension (401-405)	1	1.09	0.92	[0.02 - 5.12]
Ischaemic heart disease (410-414)	27	24.07	1.12	[0.74 - 1.63]
Cerebrovascular (430-438)	20	14.79	1.35	[0.83 - 2.09]
Other heart diseases (4150,4152-4299)	0	3.17	0.00	[0.00 - 1.16]
DIS. OF RESPIRATORY SYSTEM (460-519)	8	8.97	0.89	[0.39 - 1.76]
Influenza (487)	0	0.27	0.00	[0.00 - 13.6]
Pneumonia (480-486)	6	4.91	1.22	[0.45 - 2.66]
Bronchitis,emphysema & asthma (490-493)	2	1.65	1.21	[0.15 - 4.39]
Pneumoconioses (500-508)	0	0.04	0.00	[0.00 - 87.3]
DIS. OF DIGESTIVE SYSTEM (520-579)	2	3.38	0.59	[0.07 - 2.14]
Liver cirrhosis (571)	0	0.58	0.00	[0.00 - 6.38]
DIS. OF GENITO-URINARY SYSTEM (580-629)	0	1.63	0.00	[0.00 - 2.26]
Nephritis & nephrosis (580-589)	0	0.91	0.00	[0.00 - 4.04]
DIS. OF THE SKIN (680-739)	0	0.74	0.00	[0.00 - 4.97]
SYMPTOMS AND ILL-DEFINED CONDITIONS (780-799)	0	0.43	0.00	[0.00 - 8.57]
EXTERNAL CAUSES (E800-999)	0	3.69	0.00	[0.00 - 1.00]
Traffic accident (E810-819)	0	0.63	0.00	[0.00 - 5.87]
Suicide (E950-959)	0	0.81	0.00	[0.00 - 4.57]
Homicide (E960-969)	0	0.09	0.00	[0.00 - 38.9]
Other external causes (E800-807,E820-949,E970-999)	0	2.16	0.00	[0.00 - 1.71]
UNKNOWN CAUSES	0			
OTHER CAUSES	0			

**Table 2.11.4
Mortality by cause**

TOTAL COHORT

Ever highly exposed to CLVO (volatile organochlorine compounds)

Causes of death (ICD 9th.revision)	Observed	Expected	SMR	95% Confidence intervals
ALL CAUSES	1933	2188.26	0.88	[0.84 - 0.92]
ALL MALIGNANT NEOPLASMS (140-208)	520	517.97	1.00	[0.92 - 1.09]
Oral cavity & pharynx (140-149)	11	10.62	1.04	[0.52 - 1.85]
Oral cavity (141,143-145)	7	4.46	1.57	[0.63 - 3.23]
Nasopharynx (147)	0	0.88	0.00	[0.00 - 4.21]
Oesophagus (150)	6	11.16	0.54	[0.20 - 1.17]
Stomach (151)	43	46.66	0.92	[0.67 - 1.24]
Colon (153)	35	39.21	0.89	[0.62 - 1.24]
Rectum (154)	30	25.36	1.18	[0.80 - 1.69]
Liver (155)	6	8.08	0.74	[0.27 - 1.62]
Gallbladder (156)	4	3.8	1.05	[0.29 - 2.70]
Pancreas (157)	19	26.95	0.71	[0.42 - 1.10]
Peritoneum and other unspecified organs(158-159)	3	1.39	2.16	[0.45 - 6.31]
Nose & sinuses (160)	2	1.23	1.62	[0.20 - 5.86]
Larynx (161)	3	4.97	0.60	[0.12 - 1.76]
Lung (162)	128	119.43	1.07	[0.89 - 1.27]
Pleura (163)	8	2.18	3.67	[1.58 - 7.23]
Other respiratory organs (164-165)	4	1.04	3.84	[1.05 - 9.84]
Bone (170)	0	1.91	0.00	[0.00 - 1.93]
Soft tissue (171)	4	2.29	1.75	[0.48 - 4.48]
Melanoma (172)	6	9.6	0.62	[0.23 - 1.36]
Other skin (173)	1	1.41	0.71	[0.02 - 3.95]
Breast (174-175)	6	9.9	0.61	[0.22 - 1.32]
Cervix uteri (180)	2	3.01	0.66	[0.08 - 2.40]
Corpus uteri & uterus unspecified (179,181-182)	1	1.47	0.68	[0.02 - 3.78]
Ovary (183)	2	3.85	0.52	[0.06 - 1.87]
Other female genital organs (184)	0	0.29	0.00	[0.00 - 12.5]
Prostate (185)	49	48.12	1.02	[0.75 - 1.35]
Testis (186)	4	3.18	1.26	[0.34 - 3.22]
Other male genital organs (187)	2	0.64	3.11	[0.38 - 11.2]
Bladder (188)	20	18.88	1.06	[0.65 - 1.64]
Kidney (189)	15	15.52	0.97	[0.54 - 1.59]
Eye (190)	2	0.84	2.37	[0.29 - 8.57]
Brain (191-192)	20	16.02	1.25	[0.76 - 1.93]
Thyroid (193)	2	1.47	1.36	[0.16 - 4.92]
Other endocrine glands (194)	2	0.77	2.59	[0.31 - 9.35]
Ill defined (195,199)	32	25.39	1.26	[0.86 - 1.78]
Lymphatic & hematopoietic tissue (200-208)	41	45.19	0.91	[0.65 - 1.23]
Non-Hodgkins lymphoma (200,202)	11	13.02	0.84	[0.42 - 1.51]
Hodgkins disease (201)	4	4.28	0.93	[0.25 - 2.39]
Multiple myeloma (203)	9	8.98	1.00	[0.46 - 1.90]
Leukemia & aleukemia (204-208)	17	18.31	0.93	[0.54 - 1.49]
Lymphoid leukemia (204)	6	4.53	1.33	[0.49 - 2.89]
Myeloid leukemia (205)	7	7.66	0.91	[0.37 - 1.88]
BENIGN NEOPLASMS (210-239)	8	9.57	0.84	[0.36 - 1.65]
DIS. OF ENDOCRINE SYSTEM & BLOOD (240-289)	25	38.52	0.65	[0.42 - 0.96]
MENTAL DISORDERS (290-319)	14	20.81	0.67	[0.37 - 1.13]
DIS. OF NERVOUS SYSTEM (320-389)	24	29.83	0.80	[0.52 - 1.20]
DIS. OF CIRCULATORY SYSTEM (390-459)	884	973.73	0.91	[0.85 - 0.97]
Hypertension (401-405)	22	22.85	0.96	[0.60 - 1.46]
Ischaemic heart disease (410-414)	605	626.28	0.97	[0.89 - 1.05]
Cerebrovascular (430-438)	157	175.52	0.89	[0.76 - 1.05]
Other heart diseases (4150,4152-4299)	40	78.2	0.51	[0.37 - 0.70]
DIS. OF RESPIRATORY SYSTEM (460-519)	98	138.37	0.71	[0.57 - 0.86]
Influenza (487)	2	4	0.50	[0.06 - 1.81]
Pneumonia (480-486)	35	58.28	0.60	[0.42 - 0.84]
Bronchitis,emphysema & asthma (490-493)	41	52.13	0.79	[0.56 - 1.07]
Pneumoconioses (500-508)	0	1.52	0.00	[0.00 - 2.43]
DIS. OF DIGESTIVE SYSTEM (520-579)	51	74.33	0.69	[0.51 - 0.90]
Liver cirrhosis (571)	25	27.18	0.92	[0.60 - 1.36]
DIS. OF GENITO-URINARY SYSTEM (580-629)	27	31.16	0.87	[0.57 - 1.26]
Nephritis & nephrosis (580-589)	5	11.71	0.43	[0.14 - 1.00]
DIS. OF THE SKIN (680-739)	1	6.87	0.15	[0.00 - 0.81]
SYMPTOMS AND ILL-DEFINED CONDITIONS (780-799)	81	88.55	0.91	[0.73 - 1.14]
EXTERNAL CAUSES (E800-999)	165	230.82	0.71	[0.61 - 0.83]
Traffic accident (E810-819)	30	46.77	0.64	[0.43 - 0.92]
Suicide (E950-959)	54	69.94	0.77	[0.58 - 1.01]
Homicide (E960-969)	2	10.47	0.19	[0.02 - 0.69]
Other external causes (E800-807,E820-949,E970-999)	79	103.66	0.76	[0.60 - 0.95]
UNKNOWN CAUSES	9			
OTHER CAUSES	26			

**Table 2.11.4
Mortality by cause**

TOTAL COHORT

Ever highly exposed to CLVO (volatile organochlorine compounds)

Men

Causes of death (ICD 9th.revision)	Observed	Expected	SMR	95% Confidence intervals
ALL CAUSES	1800	2052.83	0.88	[0.84 - 0.92]
ALL MALIGNANT NEOPLASMS (140-208)	473	471.79	1.00	[0.91 - 1.10]
Oral cavity & pharynx (140-149)	10	10.2	0.98	[0.47 - 1.80]
Oral cavity (141,143-145)	6	4.27	1.41	[0.52 - 3.06]
Nasopharynx (147)	0	0.83	0.00	[0.00 - 4.42]
Oesophagus (150)	6	10.79	0.56	[0.20 - 1.21]
Stomach (151)	42	44.37	0.95	[0.68 - 1.28]
Colon (153)	34	35.35	0.96	[0.67 - 1.34]
Rectum (154)	26	23.51	1.11	[0.72 - 1.62]
Liver (155)	5	7.48	0.67	[0.22 - 1.56]
Gallbladder (156)	3	3.18	0.94	[0.19 - 2.75]
Pancreas (157)	18	24.89	0.72	[0.43 - 1.14]
Peritoneum and other unspecified organs(158-159)	3	1.18	2.54	[0.52 - 7.42]
Nose & sinuses (160)	2	1.18	1.69	[0.20 - 6.11]
Larynx (161)	3	4.86	0.62	[0.13 - 1.80]
Lung (162)	117	113.93	1.03	[0.85 - 1.23]
Pleura (163)	8	2.11	3.80	[1.64 - 7.49]
Other respiratory organs (164-165)	4	0.96	4.17	[1.14 - 10.7]
Bone (170)	0	1.79	0.00	[0.00 - 2.06]
Soft tissue (171)	4	2.13	1.88	[0.51 - 4.81]
Melanoma (172)	5	8.89	0.56	[0.18 - 1.31]
Other skin (173)	1	1.32	0.76	[0.02 - 4.23]
Breast (174-175)	0	0.48	0.00	[0.00 - 7.75]
Cervix uteri (180)	0	-	-	-
Corpus uteri & uterus unspecified (179,181-182)	0	-	-	-
Ovary (183)	0	-	-	-
Other female genital organs (184)	0	-	-	-
Prostate (185)	49	48.12	1.02	[0.75 - 1.35]
Testis (186)	4	3.18	1.26	[0.34 - 3.22]
Other male genital organs (187)	2	0.64	3.11	[0.38 - 11.2]
Bladder (188)	19	18.13	1.05	[0.63 - 1.64]
Kidney (189)	15	14.38	1.04	[0.58 - 1.72]
Eye (190)	2	0.77	2.60	[0.31 - 9.39]
Brain (191-192)	17	14.78	1.15	[0.67 - 1.84]
Thyroid (193)	2	1.26	1.58	[0.19 - 5.72]
Other endocrine glands (194)	1	0.69	1.44	[0.04 - 8.03]
Ill defined (195,199)	28	23.28	1.20	[0.80 - 1.74]
Lymphatic & hematopoietic tissue (200-208)	37	42.19	0.88	[0.62 - 1.21]
Non-Hodgkins lymphoma (200,202)	11	12.18	0.90	[0.45 - 1.62]
Hodgkins disease (201)	3	3.98	0.75	[0.16 - 2.21]
Multiple myeloma (203)	8	8.41	0.95	[0.41 - 1.87]
Leukemia & aleukemia (204-208)	15	17.03	0.88	[0.49 - 1.45]
Lymphoid leukemia (204)	5	4.26	1.17	[0.38 - 2.74]
Myeloid leukemia (205)	6	7.06	0.85	[0.31 - 1.85]
BENIGN NEOPLASMS (210-239)	8	8.63	0.93	[0.40 - 1.83]
DIS. OF ENDOCRINE SYSTEM & BLOOD (240-289)	22	35.44	0.62	[0.39 - 0.94]
MENTAL DISORDERS (290-319)	13	19.9	0.65	[0.35 - 1.12]
DIS. OF NERVOUS SYSTEM (320-389)	23	27.76	0.83	[0.53 - 1.24]
DIS. OF CIRCULATORY SYSTEM (390-459)	833	924.02	0.90	[0.84 - 0.96]
Hypertension (401-405)	20	21.46	0.93	[0.57 - 1.44]
Ischaemic heart disease (410-414)	575	600.46	0.96	[0.88 - 1.04]
Cerebrovascular (430-438)	146	162.72	0.90	[0.76 - 1.06]
Other heart diseases (4150,4152-4299)	38	74.03	0.51	[0.36 - 0.70]
DIS. OF RESPIRATORY SYSTEM (460-519)	89	130.55	0.68	[0.55 - 0.84]
Influenza (487)	1	3.58	0.28	[0.01 - 1.56]
Pneumonia (480-486)	32	55.28	0.58	[0.40 - 0.82]
Bronchitis,emphysema & asthma (490-493)	37	48.36	0.77	[0.54 - 1.05]
Pneumoconioses (500-508)	0	1.52	0.00	[0.00 - 2.43]
DIS. OF DIGESTIVE SYSTEM (520-579)	47	69.29	0.68	[0.50 - 0.90]
Liver cirrhosis (571)	24	25.68	0.93	[0.60 - 1.39]
DIS. OF GENITO-URINARY SYSTEM (580-629)	23	28.52	0.81	[0.51 - 1.21]
Nephritis & nephrosis (580-589)	5	11.17	0.45	[0.15 - 1.04]
DIS. OF THE SKIN (680-739)	1	6.01	0.17	[0.00 - 0.93]
SYMPTOMS AND ILL-DEFINED CONDITIONS (780-799)	76	84.18	0.90	[0.71 - 1.13]
EXTERNAL CAUSES (E800-999)	161	220.67	0.73	[0.62 - 0.85]
Traffic accident (E810-819)	30	45.19	0.66	[0.45 - 0.95]
Suicide (E950-959)	52	65.04	0.80	[0.60 - 1.05]
Homicide (E960-969)	2	10.25	0.20	[0.02 - 0.71]
Other external causes (E800-807,E820-949,E970-999)	77	100.2	0.77	[0.61 - 0.96]
UNKNOWN CAUSES	6			
OTHER CAUSES	25			

**Table 2.11.4
Mortality by cause**

TOTAL COHORT

Ever highly exposed to CLVO (volatile organochlorine compounds)

Women

Causes of death (ICD 9th.revision)	Observed	Expected	SMR	95% Confidence intervals
ALL CAUSES	133	135.43	0.98	[0.82 - 1.16]
ALL MALIGNANT NEOPLASMS (140-208)	47	46.18	1.02	[0.75 - 1.35]
Oral cavity & pharynx (140-149)	1	0.42	2.40	[0.06 - 13.4]
Oral cavity (141,143-145)	1	0.2	5.12	[0.13 - 28.6]
Nasopharynx (147)	0	0.04	0.00	[0.00 - 86.4]
Oesophagus (150)	0	0.37	0.00	[0.00 - 9.88]
Stomach (151)	1	2.29	0.44	[0.01 - 2.43]
Colon (153)	1	3.86	0.26	[0.01 - 1.44]
Rectum (154)	4	1.85	2.16	[0.59 - 5.53]
Liver (155)	1	0.6	1.67	[0.04 - 9.29]
Gallbladder (156)	1	0.61	1.63	[0.04 - 9.07]
Pancreas (157)	1	2.06	0.49	[0.01 - 2.70]
Peritoneum and other unspecified organs(158-159)	0	0.21	0.00	[0.00 - 17.8]
Nose & sinuses (160)	0	0.05	0.00	[0.00 - 74.2]
Larynx (161)	0	0.11	0.00	[0.00 - 33.1]
Lung (162)	11	5.5	2.00	[1.00 - 3.58]
Pleura (163)	0	0.08	0.00	[0.00 - 49.0]
Other respiratory organs (164-165)	0	0.08	0.00	[0.00 - 44.8]
Bone (170)	0	0.12	0.00	[0.00 - 29.9]
Soft tissue (171)	0	0.16	0.00	[0.00 - 23.8]
Melanoma (172)	1	0.72	1.39	[0.03 - 7.76]
Other skin (173)	0	0.09	0.00	[0.00 - 39.4]
Breast (174-175)	6	9.43	0.64	[0.23 - 1.39]
Cervix uteri (180)	2	3.01	0.66	[0.08 - 2.40]
Corpus uteri & uterus unspecified (179,181-182)	1	1.47	0.68	[0.02 - 3.78]
Ovary (183)	2	3.85	0.52	[0.06 - 1.87]
Other female genital organs (184)	0	0.29	0.00	[0.00 - 12.5]
Prostate (185)	0	-	-	-
Testis (186)	0	-	-	-
Other male genital organs (187)	0	-	-	-
Bladder (188)	1	0.74	1.34	[0.03 - 7.49]
Kidney (189)	0	1.14	0.00	[0.00 - 3.25]
Eye (190)	0	0.07	0.00	[0.00 - 50.3]
Brain (191-192)	3	1.25	2.41	[0.50 - 7.03]
Thyroid (193)	0	0.21	0.00	[0.00 - 17.8]
Other endocrine glands (194)	1	0.08	12.70	[0.32 - 70.5]
Ill defined (195,199)	4	2.11	1.89	[0.52 - 4.85]
Lymphatic & hematopoietic tissue (200-208)	4	3	1.33	[0.36 - 3.41]
Non-Hodgkins lymphoma (200,202)	0	0.84	0.00	[0.00 - 4.37]
Hodgkins disease (201)	1	0.31	3.24	[0.08 - 18.1]
Multiple myeloma (203)	1	0.57	1.75	[0.04 - 9.77]
Leukemia & aleukemia (204-208)	2	1.27	1.57	[0.19 - 5.67]
Lymphoid leukemia (204)	1	0.26	3.82	[0.10 - 21.3]
Myeloid leukemia (205)	1	0.6	1.66	[0.04 - 9.26]
BENIGN NEOPLASMS (210-239)	0	0.94	0.00	[0.00 - 3.93]
DIS. OF ENDOCRINE SYSTEM & BLOOD (240-289)	3	3.09	0.97	[0.20 - 2.84]
MENTAL DISORDERS (290-319)	1	0.9	1.11	[0.03 - 6.16]
DIS. OF NERVOUS SYSTEM (320-389)	1	2.07	0.48	[0.01 - 2.70]
DIS. OF CIRCULATORY SYSTEM (390-459)	51	49.71	1.03	[0.76 - 1.35]
Hypertension (401-405)	2	1.39	1.44	[0.17 - 5.21]
Ischaemic heart disease (410-414)	30	25.82	1.16	[0.78 - 1.66]
Cerebrovascular (430-438)	11	12.8	0.86	[0.43 - 1.54]
Other heart diseases (4150,4152-4299)	2	4.17	0.48	[0.06 - 1.73]
DIS. OF RESPIRATORY SYSTEM (460-519)	9	7.82	1.15	[0.53 - 2.18]
Influenza (487)	1	0.42	2.40	[0.06 - 13.4]
Pneumonia (480-486)	3	3	1.00	[0.21 - 2.93]
Bronchitis,emphysema & asthma (490-493)	4	3.76	1.06	[0.29 - 2.72]
Pneumoconioses (500-508)	0	-	-	-
DIS. OF DIGESTIVE SYSTEM (520-579)	4	5.04	0.79	[0.22 - 2.03]
Liver cirrhosis (571)	1	1.5	0.67	[0.02 - 3.72]
DIS. OF GENITO-URINARY SYSTEM (580-629)	4	2.63	1.52	[0.41 - 3.89]
Nephritis & nephrosis (580-589)	0	0.54	0.00	[0.00 - 6.87]
DIS. OF THE SKIN (680-739)	0	0.86	0.00	[0.00 - 4.30]
SYMPTOMS AND ILL-DEFINED CONDITIONS (780-799)	5	4.37	1.14	[0.37 - 2.67]
EXTERNAL CAUSES (E800-999)	4	10.15	0.39	[0.11 - 1.01]
Traffic accident (E810-819)	0	1.57	0.00	[0.00 - 2.34]
Suicide (E950-959)	2	4.89	0.41	[0.05 - 1.48]
Homicide (E960-969)	0	0.22	0.00	[0.00 - 16.7]
Other external causes (E800-807,E820-949,E970-999)	2	3.46	0.58	[0.07 - 2.09]
UNKNOWN CAUSES	3			
OTHER CAUSES	1			

**Table 2.11.5
Mortality by cause**

TOTAL COHORT

Ever highly exposed to COMB (combustion products)

Causes of death (ICD 9th.revision)	Observed	Expected	SMR	95% Confidence intervals
ALL CAUSES	5128	5653.79	0.91	[0.88 - 0.93]
ALL MALIGNANT NEOPLASMS (140-208)	1261	1396.03	0.90	[0.85 - 0.95]
Oral cavity & pharynx (140-149)	23	35.21	0.65	[0.41 - 0.98]
Oral cavity (141,143-145)	9	13.68	0.66	[0.30 - 1.25]
Nasopharynx (147)	0	2.16	0.00	[0.00 - 1.71]
Oesophagus (150)	30	37.18	0.81	[0.54 - 1.15]
Stomach (151)	113	125.76	0.90	[0.74 - 1.08]
Colon (153)	55	94.65	0.58	[0.44 - 0.76]
Rectum (154)	59	61.84	0.95	[0.73 - 1.23]
Liver (155)	25	26.75	0.93	[0.60 - 1.38]
Gallbladder (156)	13	11.37	1.14	[0.61 - 1.96]
Pancreas (157)	68	69	0.99	[0.77 - 1.25]
Peritoneum and other unspecified organs(158-159)	5	8.05	0.62	[0.20 - 1.45]
Nose & sinuses (160)	7	5.19	1.35	[0.54 - 2.78]
Larynx (161)	29	20.84	1.39	[0.93 - 2.00]
Lung (162)	313	338.66	0.92	[0.82 - 1.03]
Pleura (163)	5	5.57	0.90	[0.29 - 2.09]
Other respiratory organs (164-165)	4	3.61	1.11	[0.30 - 2.84]
Bone (170)	1	5.89	0.17	[0.00 - 0.95]
Soft tissue (171)	5	5.41	0.92	[0.30 - 2.16]
Melanoma (172)	25	19.86	1.26	[0.81 - 1.86]
Other skin (173)	2	3.97	0.50	[0.06 - 1.82]
Breast (174-175)	41	44.94	0.91	[0.65 - 1.24]
Cervix uteri (180)	8	12.72	0.63	[0.27 - 1.24]
Corpus uteri & uterus unspecified (179,181-182)	6	6.67	0.90	[0.33 - 1.96]
Ovary (183)	17	17.58	0.97	[0.56 - 1.55]
Other female genital organs (184)	0	1.53	0.00	[0.00 - 2.41]
Prostate (185)	95	105.62	0.90	[0.73 - 1.10]
Testis (186)	6	6.03	1.00	[0.37 - 2.17]
Other male genital organs (187)	5	1.53	3.27	[1.06 - 7.63]
Bladder (188)	42	46.04	0.91	[0.66 - 1.23]
Kidney (189)	34	37.73	0.90	[0.62 - 1.26]
Eye (190)	0	2.02	0.00	[0.00 - 1.82]
Brain (191-192)	34	38.26	0.89	[0.62 - 1.24]
Thyroid (193)	1	4.12	0.24	[0.01 - 1.35]
Other endocrine glands (194)	2	1.99	1.01	[0.12 - 3.64]
Ill defined (195,199)	69	62.71	1.10	[0.86 - 1.39]
Lymphatic & hematopoietic tissue (200-208)	103	109.6	0.94	[0.77 - 1.14]
Non-Hodgkins lymphoma (200,202)	31	31.5	0.98	[0.67 - 1.40]
Hodgkins disease (201)	10	10.76	0.93	[0.45 - 1.71]
Multiple myeloma (203)	24	20.64	1.16	[0.75 - 1.73]
Leukemia & aleukemia (204-208)	38	45.22	0.84	[0.59 - 1.15]
Lymphoid leukemia (204)	9	11.34	0.79	[0.36 - 1.51]
Myeloid leukemia (205)	19	18.31	1.04	[0.62 - 1.62]
BENIGN NEOPLASMS (210-239)	22	26.78	0.82	[0.51 - 1.24]
DIS. OF ENDOCRINE SYSTEM & BLOOD (240-289)	78	94.66	0.82	[0.65 - 1.03]
MENTAL DISORDERS (290-319)	38	60.14	0.63	[0.45 - 0.87]
DIS. OF NERVOUS SYSTEM (320-389)	65	76.82	0.85	[0.65 - 1.08]
DIS. OF CIRCULATORY SYSTEM (390-459)	2362	2484.42	0.95	[0.91 - 0.99]
Hypertension (401-405)	51	55.46	0.92	[0.68 - 1.21]
Ischaemic heart disease (410-414)	1506	1533.17	0.98	[0.93 - 1.03]
Cerebrovascular (430-438)	403	481.64	0.84	[0.76 - 0.92]
Other heart diseases (4150,4152-4299)	154	213.13	0.72	[0.61 - 0.85]
DIS. OF RESPIRATORY SYSTEM (460-519)	314	370.53	0.85	[0.76 - 0.95]
Influenza (487)	11	12.46	0.88	[0.44 - 1.58]
Pneumonia (480-486)	118	155.4	0.76	[0.63 - 0.91]
Bronchitis,emphysema & asthma (490-493)	136	139.03	0.98	[0.82 - 1.16]
Pneumoconioses (500-508)	4	5.63	0.71	[0.19 - 1.82]
DIS. OF DIGESTIVE SYSTEM (520-579)	175	212.94	0.82	[0.70 - 0.95]
Liver cirrhosis (571)	72	84	0.86	[0.67 - 1.08]
DIS. OF GENITO-URINARY SYSTEM (580-629)	63	80.64	0.78	[0.60 - 1.00]
Nephritis & nephrosis (580-589)	21	30.62	0.69	[0.42 - 1.05]
DIS. OF THE SKIN (680-739)	14	19.47	0.72	[0.39 - 1.21]
SYMPTOMS AND ILL-DEFINED CONDITIONS (780-799)	116	173.72	0.67	[0.55 - 0.80]
EXTERNAL CAUSES (E800-999)	477	581.03	0.82	[0.75 - 0.90]
Traffic accident (E810-819)	86	118.7	0.72	[0.58 - 0.89]
Suicide (E950-959)	138	180.81	0.76	[0.64 - 0.90]
Homicide (E960-969)	9	17.27	0.52	[0.24 - 0.99]
Other external causes (E800-807,E820-949,E970-999)	244	264.26	0.92	[0.81 - 1.05]
UNKNOWN CAUSES	43			
OTHER CAUSES	100			

**Table 2.11.5
Mortality by cause**

TOTAL COHORT

Ever highly exposed to COMB (combustion products)

Men

Causes of death (ICD 9th.revision)	Observed	Expected	SMR	95% Confidence intervals
ALL CAUSES	4431	4947.38	0.90	[0.87 - 0.92]
ALL MALIGNANT NEOPLASMS (140-208)	1048	1178.11	0.89	[0.84 - 0.95]
Oral cavity & pharynx (140-149)	22	33.13	0.66	[0.42 - 1.01]
Oral cavity (141,143-145)	8	12.69	0.63	[0.27 - 1.24]
Nasopharynx (147)	0	1.97	0.00	[0.00 - 1.87]
Oesophagus (150)	29	34.85	0.83	[0.56 - 1.20]
Stomach (151)	96	112.38	0.85	[0.69 - 1.04]
Colon (153)	47	77.31	0.61	[0.45 - 0.81]
Rectum (154)	50	53.23	0.94	[0.70 - 1.24]
Liver (155)	22	23.6	0.93	[0.58 - 1.41]
Gallbladder (156)	11	8.35	1.32	[0.66 - 2.36]
Pancreas (157)	60	58.88	1.02	[0.78 - 1.31]
Peritoneum and other unspecified organs(158-159)	5	6.96	0.72	[0.23 - 1.68]
Nose & sinuses (160)	7	4.88	1.44	[0.58 - 2.96]
Larynx (161)	28	20.4	1.37	[0.91 - 1.98]
Lung (162)	276	316.4	0.87	[0.77 - 0.98]
Pleura (163)	5	5.25	0.95	[0.31 - 2.22]
Other respiratory organs (164-165)	4	3.3	1.21	[0.33 - 3.10]
Bone (170)	1	5.21	0.19	[0.00 - 1.07]
Soft tissue (171)	4	4.46	0.90	[0.24 - 2.30]
Melanoma (172)	21	16.47	1.27	[0.79 - 1.95]
Other skin (173)	2	3.49	0.57	[0.07 - 2.07]
Breast (174-175)	1	1.23	0.81	[0.02 - 4.53]
Cervix uteri (180)	0	-	-	-
Corpus uteri & uterus unspecified (179,181-182)	0	-	-	-
Ovary (183)	0	-	-	-
Other female genital organs (184)	0	-	-	-
Prostate (185)	95	105.62	0.90	[0.73 - 1.10]
Testis (186)	6	6.03	1.00	[0.37 - 2.17]
Other male genital organs (187)	5	1.53	3.27	[1.06 - 7.63]
Bladder (188)	38	42.78	0.89	[0.63 - 1.22]
Kidney (189)	32	32.84	0.97	[0.67 - 1.38]
Eye (190)	0	1.66	0.00	[0.00 - 2.23]
Brain (191-192)	22	32	0.69	[0.43 - 1.04]
Thyroid (193)	1	3.03	0.33	[0.01 - 1.84]
Other endocrine glands (194)	1	1.62	0.62	[0.02 - 3.44]
Ill defined (195,199)	56	51.81	1.08	[0.82 - 1.40]
Lymphatic & hematopoietic tissue (200-208)	87	93.36	0.93	[0.75 - 1.15]
Non-Hodgkins lymphoma (200,202)	29	26.84	1.08	[0.72 - 1.55]
Hodgkins disease (201)	7	9.15	0.77	[0.31 - 1.58]
Multiple myeloma (203)	20	17.5	1.14	[0.70 - 1.76]
Leukemia & aleukemia (204-208)	31	38.52	0.80	[0.55 - 1.14]
Lymphoid leukemia (204)	9	10.04	0.90	[0.41 - 1.70]
Myeloid leukemia (205)	16	15.2	1.05	[0.60 - 1.71]
BENIGN NEOPLASMS (210-239)	19	22.22	0.86	[0.51 - 1.34]
DIS. OF ENDOCRINE SYSTEM & BLOOD (240-289)	63	78.93	0.80	[0.61 - 1.02]
MENTAL DISORDERS (290-319)	36	51.49	0.70	[0.49 - 0.97]
DIS. OF NERVOUS SYSTEM (320-389)	53	64.22	0.83	[0.62 - 1.08]
DIS. OF CIRCULATORY SYSTEM (390-459)	2069	2202.44	0.94	[0.90 - 0.98]
Hypertension (401-405)	36	46.91	0.77	[0.54 - 1.06]
Ischaemic heart disease (410-414)	1349	1396.02	0.97	[0.92 - 1.02]
Cerebrovascular (430-438)	335	402.17	0.83	[0.75 - 0.93]
Other heart diseases (4150,4152-4299)	131	184.77	0.71	[0.59 - 0.84]
DIS. OF RESPIRATORY SYSTEM (460-519)	268	325.64	0.82	[0.73 - 0.93]
Influenza (487)	5	10.34	0.48	[0.16 - 1.13]
Pneumonia (480-486)	93	132.12	0.70	[0.57 - 0.86]
Bronchitis,emphysema & asthma (490-493)	124	125.13	0.99	[0.82 - 1.18]
Pneumoconioses (500-508)	4	5.52	0.72	[0.20 - 1.86]
DIS. OF DIGESTIVE SYSTEM (520-579)	159	187.45	0.85	[0.72 - 0.99]
Liver cirrhosis (571)	68	76.97	0.88	[0.69 - 1.12]
DIS. OF GENITO-URINARY SYSTEM (580-629)	47	68.2	0.69	[0.51 - 0.92]
Nephritis & nephrosis (580-589)	19	26.64	0.71	[0.43 - 1.11]
DIS. OF THE SKIN (680-739)	10	14.02	0.71	[0.34 - 1.31]
SYMPTOMS AND ILL-DEFINED CONDITIONS (780-799)	102	155.69	0.66	[0.53 - 0.80]
EXTERNAL CAUSES (E800-999)	434	533.18	0.81	[0.74 - 0.89]
Traffic accident (E810-819)	78	110.21	0.71	[0.56 - 0.88]
Suicide (E950-959)	126	162.91	0.77	[0.64 - 0.92]
Homicide (E960-969)	9	15.84	0.57	[0.26 - 1.08]
Other external causes (E800-807,E820-949,E970-999)	221	244.23	0.90	[0.79 - 1.03]
UNKNOWN CAUSES	36			
OTHER CAUSES	87			

**Table 2.11.6
Mortality by cause**

TOTAL COHORT

Ever highly exposed to FORM (formaldehyde)

Causes of death (ICD 9th.revision)	Observed	Expected	SMR	95% Confidence intervals
ALL CAUSES	1057	1161.32	0.91	[0.86 - 0.97]
ALL MALIGNANT NEOPLASMS (140-208)	257	279.92	0.92	[0.81 - 1.04]
Oral cavity & pharynx (140-149)	3	5.78	0.52	[0.11 - 1.52]
Oral cavity (141,143-145)	2	2.55	0.78	[0.09 - 2.83]
Nasopharynx (147)	0	0.51	0.00	[0.00 - 7.23]
Oesophagus (150)	3	6.17	0.49	[0.10 - 1.42]
Stomach (151)	25	26.94	0.93	[0.60 - 1.37]
Colon (153)	13	19.87	0.65	[0.35 - 1.12]
Rectum (154)	17	14.29	1.19	[0.69 - 1.91]
Liver (155)	4	5.14	0.78	[0.21 - 1.99]
Gallbladder (156)	0	2.14	0.00	[0.00 - 1.72]
Pancreas (157)	14	14.94	0.94	[0.51 - 1.57]
Peritoneum and other unspecified organs(158-159)	2	1.02	1.97	[0.24 - 7.11]
Nose & sinuses (160)	1	0.73	1.37	[0.03 - 7.64]
Larynx (161)	2	3.23	0.62	[0.08 - 2.24]
Lung (162)	68	66.89	1.02	[0.79 - 1.29]
Pleura (163)	1	1.33	0.75	[0.02 - 4.19]
Other respiratory organs (164-165)	0	0.69	0.00	[0.00 - 5.38]
Bone (170)	0	1.14	0.00	[0.00 - 3.24]
Soft tissue (171)	1	1.23	0.81	[0.02 - 4.53]
Melanoma (172)	7	4.91	1.42	[0.57 - 2.94]
Other skin (173)	1	0.75	1.33	[0.03 - 7.41]
Breast (174-175)	4	2.49	1.60	[0.44 - 4.11]
Cervix uteri (180)	0	0.55	0.00	[0.00 - 6.71]
Corpus uteri & uterus unspecified (179,181-182)	0	0.37	0.00	[0.00 - 9.93]
Ovary (183)	0	0.91	0.00	[0.00 - 4.07]
Other female genital organs (184)	0	0.09	0.00	[0.00 - 42.9]
Prostate (185)	25	25.58	0.98	[0.63 - 1.44]
Testis (186)	4	1.82	2.20	[0.60 - 5.64]
Other male genital organs (187)	0	0.41	0.00	[0.00 - 9.07]
Bladder (188)	13	10.82	1.20	[0.64 - 2.06]
Kidney (189)	4	8.75	0.46	[0.12 - 1.17]
Eye (190)	0	0.47	0.00	[0.00 - 7.88]
Brain (191-192)	10	9.23	1.08	[0.52 - 1.99]
Thyroid (193)	0	0.81	0.00	[0.00 - 4.58]
Other endocrine glands (194)	0	0.45	0.00	[0.00 - 8.19]
Ill defined (195,199)	9	13.4	0.67	[0.31 - 1.27]
Lymphatic & hematopoietic tissue (200-208)	21	24.45	0.86	[0.53 - 1.31]
Non-Hodgkins lymphoma (200,202)	4	7.14	0.56	[0.15 - 1.43]
Hodgkins disease (201)	5	2.51	1.99	[0.65 - 4.65]
Multiple myeloma (203)	5	4.79	1.04	[0.34 - 2.44]
Leukemia & aleukemia (204-208)	7	9.95	0.70	[0.28 - 1.45]
Lymphoid leukemia (204)	2	2.53	0.79	[0.10 - 2.85]
Myeloid leukemia (205)	3	4.16	0.72	[0.15 - 2.11]
BENIGN NEOPLASMS (210-239)	6	5.47	1.10	[0.40 - 2.39]
DIS. OF ENDOCRINE SYSTEM & BLOOD (240-289)	11	19.03	0.58	[0.29 - 1.03]
MENTAL DISORDERS (290-319)	9	11.27	0.80	[0.37 - 1.52]
DIS. OF NERVOUS SYSTEM (320-389)	7	16.03	0.44	[0.18 - 0.90]
DIS. OF CIRCULATORY SYSTEM (390-459)	496	513.93	0.97	[0.88 - 1.05]
Hypertension (401-405)	2	10.7	0.19	[0.02 - 0.67]
Ischaemic heart disease (410-414)	347	332.93	1.04	[0.94 - 1.16]
Cerebrovascular (430-438)	82	90.74	0.90	[0.72 - 1.12]
Other heart diseases (4150,4152-4299)	31	41.1	0.75	[0.51 - 1.07]
DIS. OF RESPIRATORY SYSTEM (460-519)	56	69.24	0.81	[0.61 - 1.05]
Influenza (487)	0	2.3	0.00	[0.00 - 1.61]
Pneumonia (480-486)	20	28.11	0.71	[0.43 - 1.10]
Bronchitis,emphysema & asthma (490-493)	30	28.91	1.04	[0.70 - 1.48]
Pneumoconioses (500-508)	0	0.78	0.00	[0.00 - 4.72]
DIS. OF DIGESTIVE SYSTEM (520-579)	47	41.58	1.13	[0.83 - 1.50]
Liver cirrhosis (571)	17	16.23	1.05	[0.61 - 1.68]
DIS. OF GENITO-URINARY SYSTEM (580-629)	12	16.29	0.74	[0.38 - 1.29]
Nephritis & nephrosis (580-589)	3	5.71	0.53	[0.11 - 1.54]
DIS. OF THE SKIN (680-739)	5	3.58	1.40	[0.45 - 3.26]
SYMPTOMS AND ILL-DEFINED CONDITIONS (780-799)	24	39.65	0.61	[0.39 - 0.90]
EXTERNAL CAUSES (E800-999)	107	131.84	0.81	[0.67 - 0.98]
Traffic accident (E810-819)	20	25.5	0.78	[0.48 - 1.21]
Suicide (E950-959)	30	44.48	0.67	[0.46 - 0.96]
Homicide (E960-969)	4	3.1	1.29	[0.35 - 3.30]
Other external causes (E800-807,E820-949,E970-999)	53	58.76	0.90	[0.68 - 1.18]
UNKNOWN CAUSES	7			
OTHER CAUSES	13			

Table 2.11.6
Mortality by cause

TOTAL COHORT

Ever highly exposed to FORM (formaldehyde)

Men

Causes of death (ICD 9th.revision)	Observed	Expected	SMR	95% Confidence intervals
ALL CAUSES	1026	1122.85	0.91	[0.86 - 0.97]
ALL MALIGNANT NEOPLASMS (140-208)	243	268.65	0.90	[0.79 - 1.03]
Oral cavity & pharynx (140-149)	3	5.67	0.53	[0.11 - 1.55]
Oral cavity (141,143-145)	2	2.5	0.80	[0.10 - 2.89]
Nasopharynx (147)	0	0.5	0.00	[0.00 - 7.37]
Oesophagus (150)	3	6.06	0.50	[0.10 - 1.45]
Stomach (151)	24	26.13	0.92	[0.59 - 1.37]
Colon (153)	13	19.01	0.68	[0.36 - 1.17]
Rectum (154)	16	13.84	1.16	[0.66 - 1.88]
Liver (155)	3	4.91	0.61	[0.13 - 1.78]
Gallbladder (156)	0	1.93	0.00	[0.00 - 1.91]
Pancreas (157)	13	14.37	0.90	[0.48 - 1.55]
Peritoneum and other unspecified organs(158-159)	2	0.94	2.12	[0.26 - 7.66]
Nose & sinuses (160)	1	0.71	1.40	[0.04 - 7.81]
Larynx (161)	2	3.21	0.62	[0.08 - 2.25]
Lung (162)	66	66.02	1.00	[0.77 - 1.27]
Pleura (163)	1	1.31	0.76	[0.02 - 4.26]
Other respiratory organs (164-165)	0	0.67	0.00	[0.00 - 5.53]
Bone (170)	0	1.09	0.00	[0.00 - 3.37]
Soft tissue (171)	1	1.17	0.85	[0.02 - 4.75]
Melanoma (172)	6	4.73	1.27	[0.47 - 2.76]
Other skin (173)	1	0.73	1.38	[0.03 - 7.66]
Breast (174-175)	0	0.27	0.00	[0.00 - 13.7]
Cervix uteri (180)	0	-	-	-
Corpus uteri & uterus unspecified (179,181-182)	0	-	-	-
Ovary (183)	0	-	-	-
Other female genital organs (184)	0	-	-	-
Prostate (185)	25	25.58	0.98	[0.63 - 1.44]
Testis (186)	4	1.82	2.20	[0.60 - 5.64]
Other male genital organs (187)	0	0.41	0.00	[0.00 - 9.07]
Bladder (188)	12	10.66	1.13	[0.58 - 1.97]
Kidney (189)	3	8.47	0.35	[0.07 - 1.03]
Eye (190)	0	0.45	0.00	[0.00 - 8.26]
Brain (191-192)	10	8.86	1.13	[0.54 - 2.08]
Thyroid (193)	0	0.74	0.00	[0.00 - 4.98]
Other endocrine glands (194)	0	0.43	0.00	[0.00 - 8.59]
Ill defined (195,199)	9	12.88	0.70	[0.32 - 1.33]
Lymphatic & hematopoietic tissue (200-208)	21	23.53	0.89	[0.55 - 1.36]
Non-Hodgkins lymphoma (200,202)	4	6.87	0.58	[0.16 - 1.49]
Hodgkins disease (201)	5	2.43	2.06	[0.67 - 4.81]
Multiple myeloma (203)	5	4.62	1.08	[0.35 - 2.53]
Leukemia & aleukemia (204-208)	7	9.57	0.73	[0.29 - 1.51]
Lymphoid leukemia (204)	2	2.46	0.81	[0.10 - 2.94]
Myeloid leukemia (205)	3	3.98	0.75	[0.16 - 2.20]
BENIGN NEOPLASMS (210-239)	6	5.22	1.15	[0.42 - 2.50]
DIS. OF ENDOCRINE SYSTEM & BLOOD (240-289)	11	18.12	0.61	[0.30 - 1.09]
MENTAL DISORDERS (290-319)	9	10.79	0.83	[0.38 - 1.58]
DIS. OF NERVOUS SYSTEM (320-389)	6	15.34	0.39	[0.14 - 0.85]
DIS. OF CIRCULATORY SYSTEM (390-459)	487	498.14	0.98	[0.89 - 1.07]
Hypertension (401-405)	2	10.23	0.20	[0.02 - 0.71]
Ischaemic heart disease (410-414)	341	325.53	1.05	[0.94 - 1.16]
Cerebrovascular (430-438)	80	86.14	0.93	[0.74 - 1.16]
Other heart diseases (4150,4152-4299)	31	39.36	0.79	[0.54 - 1.12]
DIS. OF RESPIRATORY SYSTEM (460-519)	52	66.95	0.78	[0.58 - 1.02]
Influenza (487)	0	2.18	0.00	[0.00 - 1.69]
Pneumonia (480-486)	16	26.8	0.60	[0.34 - 0.97]
Bronchitis,emphysema & asthma (490-493)	30	28.29	1.06	[0.72 - 1.51]
Pneumoconioses (500-508)	0	0.78	0.00	[0.00 - 4.76]
DIS. OF DIGESTIVE SYSTEM (520-579)	46	40.19	1.14	[0.84 - 1.53]
Liver cirrhosis (571)	17	15.86	1.07	[0.62 - 1.72]
DIS. OF GENITO-URINARY SYSTEM (580-629)	12	15.61	0.77	[0.40 - 1.34]
Nephritis & nephrosis (580-589)	3	5.49	0.55	[0.11 - 1.60]
DIS. OF THE SKIN (680-739)	5	3.25	1.54	[0.50 - 3.59]
SYMPTOMS AND ILL-DEFINED CONDITIONS (780-799)	24	38.82	0.62	[0.40 - 0.92]
EXTERNAL CAUSES (E800-999)	105	128.88	0.81	[0.67 - 0.99]
Traffic accident (E810-819)	19	24.98	0.76	[0.46 - 1.19]
Suicide (E950-959)	30	43.4	0.69	[0.47 - 0.99]
Homicide (E960-969)	4	2.99	1.34	[0.37 - 3.43]
Other external causes (E800-807,E820-949,E970-999)	52	57.52	0.90	[0.68 - 1.19]
UNKNOWN CAUSES	7			
OTHER CAUSES	13			

Table 2.11.6
Mortality by cause

TOTAL COHORT

Ever highly exposed to FORM (formaldehyde)

Women

Causes of death (ICD 9th.revision)	Observed	Expected	SMR	95% Confidence intervals
ALL CAUSES	31	38.47	0.81	[0.55 - 1.14]
ALL MALIGNANT NEOPLASMS (140-208)	14	11.27	1.24	[0.68 - 2.08]
Oral cavity & pharynx (140-149)	0	0.1	0.00	[0.00 - 36.0]
Oral cavity (141,143-145)	0	0.05	0.00	[0.00 - 73.8]
Nasopharynx (147)	0	0.01	0.00	[0.00 - 0401]
Oesophagus (150)	0	0.11	0.00	[0.00 - 33.7]
Stomach (151)	1	0.81	1.23	[0.03 - 6.85]
Colon (153)	0	0.87	0.00	[0.00 - 4.26]
Rectum (154)	1	0.45	2.24	[0.06 - 12.5]
Liver (155)	1	0.23	4.35	[0.11 - 24.2]
Gallbladder (156)	0	0.22	0.00	[0.00 - 17.0]
Pancreas (157)	1	0.57	1.75	[0.04 - 9.74]
Peritoneum and other unspecified organs(158-159)	0	0.07	0.00	[0.00 - 49.8]
Nose & sinuses (160)	0	0.02	0.00	[0.00 - 0232]
Larynx (161)	0	0.02	0.00	[0.00 - 0213]
Lung (162)	2	0.87	2.30	[0.28 - 8.31]
Pleura (163)	0	0.02	0.00	[0.00 - 0177]
Other respiratory organs (164-165)	0	0.02	0.00	[0.00 - 0196]
Bone (170)	0	0.04	0.00	[0.00 - 86.5]
Soft tissue (171)	0	0.06	0.00	[0.00 - 64.8]
Melanoma (172)	1	0.18	5.60	[0.14 - 31.2]
Other skin (173)	0	0.03	0.00	[0.00 - 0147]
Breast (174-175)	4	2.22	1.80	[0.49 - 4.61]
Cervix uteri (180)	0	0.55	0.00	[0.00 - 6.71]
Corpus uteri & uterus unspecified (179,181-182)	0	0.37	0.00	[0.00 - 9.93]
Ovary (183)	0	0.91	0.00	[0.00 - 4.07]
Other female genital organs (184)	0	0.09	0.00	[0.00 - 42.9]
Prostate (185)	0	-	-	-
Testis (186)	0	-	-	-
Other male genital organs (187)	0	-	-	-
Bladder (188)	1	0.15	6.47	[0.16 - 36.0]
Kidney (189)	1	0.27	3.64	[0.09 - 20.3]
Eye (190)	0	0.02	0.00	[0.00 - 0171]
Brain (191-192)	0	0.37	0.00	[0.00 - 9.92]
Thyroid (193)	0	0.06	0.00	[0.00 - 57.0]
Other endocrine glands (194)	0	0.02	0.00	[0.00 - 0173]
Ill defined (195,199)	0	0.52	0.00	[0.00 - 7.06]
Lymphatic & hematopoietic tissue (200-208)	0	0.92	0.00	[0.00 - 4.00]
Non-Hodgkins lymphoma (200,202)	0	0.27	0.00	[0.00 - 13.7]
Hodgkins disease (201)	0	0.09	0.00	[0.00 - 42.5]
Multiple myeloma (203)	0	0.18	0.00	[0.00 - 21.0]
Leukemia & aleukemia (204-208)	0	0.38	0.00	[0.00 - 9.60]
Lymphoid leukemia (204)	0	0.08	0.00	[0.00 - 48.2]
Myeloid leukemia (205)	0	0.18	0.00	[0.00 - 20.6]
BENIGN NEOPLASMS (210-239)	0	0.25	0.00	[0.00 - 14.7]
DIS. OF ENDOCRINE SYSTEM & BLOOD (240-289)	0	0.91	0.00	[0.00 - 4.07]
MENTAL DISORDERS (290-319)	0	0.48	0.00	[0.00 - 7.70]
DIS. OF NERVOUS SYSTEM (320-389)	1	0.69	1.45	[0.04 - 8.10]
DIS. OF CIRCULATORY SYSTEM (390-459)	9	15.79	0.57	[0.26 - 1.08]
Hypertension (401-405)	0	0.47	0.00	[0.00 - 7.78]
Ischaemic heart disease (410-414)	6	7.4	0.81	[0.30 - 1.76]
Cerebrovascular (430-438)	2	4.6	0.43	[0.05 - 1.57]
Other heart diseases (4150,4152-4299)	0	1.73	0.00	[0.00 - 2.13]
DIS. OF RESPIRATORY SYSTEM (460-519)	4	2.29	1.74	[0.48 - 4.47]
Influenza (487)	0	0.12	0.00	[0.00 - 31.9]
Pneumonia (480-486)	4	1.31	3.06	[0.83 - 7.82]
Bronchitis,emphysema & asthma (490-493)	0	0.62	0.00	[0.00 - 5.96]
Pneumoconioses (500-508)	0	0.01	0.00	[0.00 - 0567]
DIS. OF DIGESTIVE SYSTEM (520-579)	1	1.39	0.72	[0.02 - 4.00]
Liver cirrhosis (571)	0	0.37	0.00	[0.00 - 9.94]
DIS. OF GENITO-URINARY SYSTEM (580-629)	0	0.68	0.00	[0.00 - 5.41]
Nephritis & nephrosis (580-589)	0	0.22	0.00	[0.00 - 16.7]
DIS. OF THE SKIN (680-739)	0	0.33	0.00	[0.00 - 11.3]
SYMPTOMS AND ILL-DEFINED CONDITIONS (780-799)	0	0.83	0.00	[0.00 - 4.46]
EXTERNAL CAUSES (E800-999)	2	2.96	0.68	[0.08 - 2.44]
Traffic accident (E810-819)	1	0.52	1.91	[0.05 - 10.6]
Suicide (E950-959)	0	1.07	0.00	[0.00 - 3.43]
Homicide (E960-969)	0	0.12	0.00	[0.00 - 31.9]
Other external causes (E800-807,E820-949,E970-999)	1	1.24	0.81	[0.02 - 4.49]
UNKNOWN CAUSES	0			
OTHER CAUSES	0			

Table 2.11.7
Mortality by cause

TOTAL COHORT

Ever highly exposed to FUNG (fungal spores and bacteria)

Causes of death (ICD 9th.revision)	Observed	Expected	SMR	95% Confidence intervals
ALL CAUSES	2028	2410.44	0.84	[0.81 - 0.88]
ALL MALIGNANT NEOPLASMS (140-208)	489	586.89	0.83	[0.76 - 0.91]
Oral cavity & pharynx (140-149)	10	15.53	0.64	[0.31 - 1.18]
Oral cavity (141,143-145)	4	6.06	0.66	[0.18 - 1.69]
Nasopharynx (147)	0	0.91	0.00	[0.00 - 4.04]
Oesophagus (150)	9	15.92	0.57	[0.26 - 1.07]
Stomach (151)	53	55.18	0.96	[0.72 - 1.26]
Colon (153)	29	39.76	0.73	[0.49 - 1.05]
Rectum (154)	20	25.4	0.79	[0.48 - 1.22]
Liver (155)	11	13.22	0.83	[0.42 - 1.49]
Gallbladder (156)	5	5.31	0.94	[0.31 - 2.20]
Pancreas (157)	33	30.21	1.09	[0.75 - 1.53]
Peritoneum and other unspecified organs(158-159)	2	3.31	0.61	[0.07 - 2.19]
Nose & sinuses (160)	1	2.38	0.42	[0.01 - 2.35]
Larynx (161)	11	8.97	1.23	[0.61 - 2.19]
Lung (162)	126	138.41	0.91	[0.76 - 1.08]
Pleura (163)	2	2.41	0.83	[0.10 - 3.00]
Other respiratory organs (164-165)	3	1.54	1.94	[0.40 - 5.67]
Bone (170)	1	2.32	0.43	[0.01 - 2.41]
Soft tissue (171)	3	2.27	1.32	[0.27 - 3.86]
Melanoma (172)	6	8.01	0.75	[0.27 - 1.63]
Other skin (173)	2	1.68	1.19	[0.14 - 4.30]
Breast (174-175)	6	13.62	0.44	[0.16 - 0.96]
Cervix uteri (180)	3	4	0.75	[0.15 - 2.19]
Corpus uteri & uterus unspecified (179,181-182)	0	2.26	0.00	[0.00 - 1.63]
Ovary (183)	7	5.33	1.31	[0.53 - 2.71]
Other female genital organs (184)	0	0.45	0.00	[0.00 - 8.26]
Prostate (185)	39	51.2	0.76	[0.54 - 1.04]
Testis (186)	1	2.31	0.43	[0.01 - 2.41]
Other male genital organs (187)	2	0.65	3.10	[0.37 - 11.2]
Bladder (188)	12	19.51	0.62	[0.32 - 1.07]
Kidney (189)	8	16.35	0.49	[0.21 - 0.96]
Eye (190)	1	0.84	1.19	[0.03 - 6.65]
Brain (191-192)	16	15.08	1.06	[0.61 - 1.72]
Thyroid (193)	0	1.73	0.00	[0.00 - 2.13]
Other endocrine glands (194)	0	0.79	0.00	[0.00 - 4.67]
Ill defined (195,199)	22	26.39	0.83	[0.52 - 1.26]
Lymphatic & hematopoietic tissue (200-208)	40	46.82	0.85	[0.61 - 1.16]
Non-Hodgkins lymphoma (200,202)	8	13.6	0.59	[0.25 - 1.16]
Hodgkins disease (201)	6	4.19	1.43	[0.53 - 3.12]
Multiple myeloma (203)	8	9.11	0.88	[0.38 - 1.73]
Leukemia & aleukemia (204-208)	18	19.34	0.93	[0.55 - 1.47]
Lymphoid leukemia (204)	4	5.1	0.79	[0.21 - 2.01]
Myeloid leukemia (205)	6	8.05	0.75	[0.27 - 1.62]
BENIGN NEOPLASMS (210-239)	5	11.52	0.43	[0.14 - 1.01]
DIS. OF ENDOCRINE SYSTEM & BLOOD (240-289)	24	39.98	0.60	[0.38 - 0.89]
MENTAL DISORDERS (290-319)	17	26.59	0.64	[0.37 - 1.02]
DIS. OF NERVOUS SYSTEM (320-389)	19	32.09	0.59	[0.36 - 0.92]
DIS. OF CIRCULATORY SYSTEM (390-459)	924	1072.16	0.86	[0.81 - 0.92]
Hypertension (401-405)	16	23.83	0.67	[0.38 - 1.09]
Ischaemic heart disease (410-414)	596	660.42	0.90	[0.83 - 0.98]
Cerebrovascular (430-438)	176	207.77	0.85	[0.73 - 0.98]
Other heart diseases (4150,4152-4299)	73	95.48	0.76	[0.60 - 0.96]
DIS. OF RESPIRATORY SYSTEM (460-519)	133	158.75	0.84	[0.70 - 0.99]
Influenza (487)	5	4.88	1.03	[0.33 - 2.39]
Pneumonia (480-486)	57	70.02	0.81	[0.62 - 1.05]
Bronchitis,emphysema & asthma (490-493)	55	57.4	0.96	[0.72 - 1.25]
Pneumoconioses (500-508)	0	2.64	0.00	[0.00 - 1.40]
DIS. OF DIGESTIVE SYSTEM (520-579)	74	91.63	0.81	[0.63 - 1.01]
Liver cirrhosis (571)	26	37.45	0.69	[0.45 - 1.02]
DIS. OF GENITO-URINARY SYSTEM (580-629)	30	33.71	0.89	[0.60 - 1.27]
Nephritis & nephrosis (580-589)	11	13.12	0.84	[0.42 - 1.50]
DIS. OF THE SKIN (680-739)	8	8.11	0.99	[0.43 - 1.94]
SYMPTOMS AND ILL-DEFINED CONDITIONS (780-799)	44	75.55	0.58	[0.42 - 0.78]
EXTERNAL CAUSES (E800-999)	205	242.83	0.84	[0.73 - 0.97]
Traffic accident (E810-819)	34	46.91	0.72	[0.50 - 1.01]
Suicide (E950-959)	45	78.15	0.58	[0.42 - 0.77]
Homicide (E960-969)	4	6.18	0.65	[0.18 - 1.66]
Other external causes (E800-807,E820-949,E970-999)	122	111.6	1.09	[0.91 - 1.31]
UNKNOWN CAUSES	21			
OTHER CAUSES	35			

**Table 2.11.7
Mortality by cause**

TOTAL COHORT

Ever highly exposed to FUNG (fungal spores and bacteria)

Men

Causes of death (ICD 9th.revision)	Observed	Expected	SMR	95% Confidence intervals
ALL CAUSES	1832	2192.42	0.84	[0.80 - 0.87]
ALL MALIGNANT NEOPLASMS (140-208)	433	519.44	0.83	[0.76 - 0.92]
Oral cavity & pharynx (140-149)	10	14.9	0.67	[0.32 - 1.23]
Oral cavity (141,143-145)	4	5.77	0.69	[0.19 - 1.77]
Nasopharynx (147)	0	0.85	0.00	[0.00 - 4.32]
Oesophagus (150)	9	15.16	0.59	[0.27 - 1.13]
Stomach (151)	48	51.3	0.94	[0.69 - 1.24]
Colon (153)	26	34.42	0.76	[0.49 - 1.11]
Rectum (154)	15	22.68	0.66	[0.37 - 1.09]
Liver (155)	11	12.05	0.91	[0.46 - 1.63]
Gallbladder (156)	4	4.09	0.98	[0.27 - 2.51]
Pancreas (157)	32	26.83	1.19	[0.82 - 1.68]
Peritoneum and other unspecified organs(158-159)	2	2.86	0.70	[0.08 - 2.53]
Nose & sinuses (160)	1	2.29	0.44	[0.01 - 2.43]
Larynx (161)	10	8.81	1.13	[0.54 - 2.09]
Lung (162)	113	131.04	0.86	[0.71 - 1.04]
Pleura (163)	2	2.27	0.88	[0.11 - 3.18]
Other respiratory organs (164-165)	3	1.43	2.10	[0.43 - 6.15]
Bone (170)	1	2.11	0.47	[0.01 - 2.64]
Soft tissue (171)	2	2.03	0.98	[0.12 - 3.55]
Melanoma (172)	5	7.08	0.71	[0.23 - 1.65]
Other skin (173)	2	1.53	1.31	[0.16 - 4.72]
Breast (174-175)	0	0.53	0.00	[0.00 - 7.02]
Cervix uteri (180)	0	-	-	-
Corpus uteri & uterus unspecified (179,181-182)	0	-	-	-
Ovary (183)	0	-	-	-
Other female genital organs (184)	0	-	-	-
Prostate (185)	39	51.2	0.76	[0.54 - 1.04]
Testis (186)	1	2.31	0.43	[0.01 - 2.41]
Other male genital organs (187)	2	0.65	3.10	[0.37 - 11.2]
Bladder (188)	11	18.48	0.60	[0.30 - 1.06]
Kidney (189)	8	14.67	0.55	[0.24 - 1.07]
Eye (190)	1	0.73	1.37	[0.03 - 7.62]
Brain (191-192)	12	13.28	0.90	[0.47 - 1.58]
Thyroid (193)	0	1.37	0.00	[0.00 - 2.68]
Other endocrine glands (194)	0	0.68	0.00	[0.00 - 5.40]
Ill defined (195,199)	22	23.63	0.93	[0.58 - 1.41]
Lymphatic & hematopoietic tissue (200-208)	36	42.07	0.86	[0.60 - 1.18]
Non-Hodgkins lymphoma (200,202)	8	12.23	0.65	[0.28 - 1.29]
Hodgkins disease (201)	5	3.77	1.33	[0.43 - 3.10]
Multiple myeloma (203)	8	8.22	0.97	[0.42 - 1.92]
Leukemia & aleukemia (204-208)	15	17.31	0.87	[0.48 - 1.43]
Lymphoid leukemia (204)	4	4.63	0.86	[0.24 - 2.21]
Myeloid leukemia (205)	5	7.1	0.70	[0.23 - 1.64]
BENIGN NEOPLASMS (210-239)	5	10.09	0.50	[0.16 - 1.16]
DIS. OF ENDOCRINE SYSTEM & BLOOD (240-289)	23	35.07	0.66	[0.42 - 0.98]
MENTAL DISORDERS (290-319)	17	23.67	0.72	[0.42 - 1.15]
DIS. OF NERVOUS SYSTEM (320-389)	15	28.63	0.52	[0.29 - 0.86]
DIS. OF CIRCULATORY SYSTEM (390-459)	827	984.68	0.84	[0.78 - 0.90]
Hypertension (401-405)	13	21.44	0.61	[0.32 - 1.04]
Ischaemic heart disease (410-414)	541	615.26	0.88	[0.81 - 0.96]
Cerebrovascular (430-438)	154	185.09	0.83	[0.71 - 0.97]
Other heart diseases (4150,4152-4299)	63	87.35	0.72	[0.55 - 0.92]
DIS. OF RESPIRATORY SYSTEM (460-519)	121	146.35	0.83	[0.69 - 0.99]
Influenza (487)	3	4.26	0.70	[0.15 - 2.06]
Pneumonia (480-486)	52	64.56	0.81	[0.60 - 1.06]
Bronchitis,emphysema & asthma (490-493)	50	52.18	0.96	[0.71 - 1.26]
Pneumoconioses (500-508)	0	2.61	0.00	[0.00 - 1.41]
DIS. OF DIGESTIVE SYSTEM (520-579)	73	83.68	0.87	[0.68 - 1.10]
Liver cirrhosis (571)	26	35.22	0.74	[0.48 - 1.08]
DIS. OF GENITO-URINARY SYSTEM (580-629)	24	29.58	0.81	[0.52 - 1.21]
Nephritis & nephrosis (580-589)	11	12.06	0.91	[0.46 - 1.63]
DIS. OF THE SKIN (680-739)	6	6.5	0.92	[0.34 - 2.01]
SYMPTOMS AND ILL-DEFINED CONDITIONS (780-799)	41	69.92	0.59	[0.42 - 0.80]
EXTERNAL CAUSES (E800-999)	194	227.09	0.85	[0.74 - 0.98]
Traffic accident (E810-819)	33	44.36	0.74	[0.51 - 1.04]
Suicide (E950-959)	42	71.43	0.59	[0.42 - 0.79]
Homicide (E960-969)	4	5.76	0.69	[0.19 - 1.78]
Other external causes (E800-807,E820-949,E970-999)	115	105.55	1.09	[0.90 - 1.31]
UNKNOWN CAUSES	20			
OTHER CAUSES	33			

**Table 2.11.8
Mortality by cause**

TOTAL COHORT

Ever highly exposed to OILD (oils and synthetic fluids, dermal)

Causes of death (ICD 9th.revision)	Observed	Expected	SMR	95% Confidence intervals
ALL CAUSES	3194	3695.49	0.86	[0.83 - 0.89]
ALL MALIGNANT NEOPLASMS (140-208)	805	849.84	0.95	[0.88 - 1.02]
Oral cavity & pharynx (140-149)	20	20.83	0.96	[0.59 - 1.48]
Oral cavity (141,143-145)	9	8.18	1.10	[0.50 - 2.09]
Nasopharynx (147)	1	1.49	0.67	[0.02 - 3.73]
Oesophagus (150)	19	22.75	0.84	[0.50 - 1.30]
Stomach (151)	77	84.45	0.91	[0.72 - 1.14]
Colon (153)	60	55.89	1.07	[0.82 - 1.38]
Rectum (154)	33	37.5	0.88	[0.61 - 1.24]
Liver (155)	13	17.51	0.74	[0.40 - 1.27]
Gallbladder (156)	5	7.01	0.71	[0.23 - 1.66]
Pancreas (157)	28	43.9	0.64	[0.42 - 0.92]
Peritoneum and other unspecified organs(158-159)	2	4.49	0.45	[0.05 - 1.61]
Nose & sinuses (160)	4	2.89	1.38	[0.38 - 3.54]
Larynx (161)	7	11.35	0.62	[0.25 - 1.27]
Lung (162)	225	218.51	1.03	[0.90 - 1.17]
Pleura (163)	13	3.65	3.57	[1.90 - 6.10]
Other respiratory organs (164-165)	6	2.22	2.70	[0.99 - 5.87]
Bone (170)	0	3.81	0.00	[0.00 - 0.97]
Soft tissue (171)	4	3.77	1.06	[0.29 - 2.72]
Melanoma (172)	12	14.64	0.82	[0.42 - 1.43]
Other skin (173)	2	2.49	0.80	[0.10 - 2.90]
Breast (174-175)	2	5.64	0.35	[0.04 - 1.28]
Cervix uteri (180)	0	1.21	0.00	[0.00 - 3.04]
Corpus uteri & uterus unspecified (179,181-182)	1	0.93	1.08	[0.03 - 6.01]
Ovary (183)	2	2.02	0.99	[0.12 - 3.58]
Other female genital organs (184)	0	0.23	0.00	[0.00 - 15.8]
Prostate (185)	60	74.3	0.81	[0.62 - 1.04]
Testis (186)	6	4.74	1.26	[0.46 - 2.75]
Other male genital organs (187)	2	1.01	1.98	[0.24 - 7.14]
Bladder (188)	31	27.28	1.14	[0.77 - 1.61]
Kidney (189)	24	24.58	0.98	[0.63 - 1.45]
Eye (190)	3	1.29	2.32	[0.48 - 6.79]
Brain (191-192)	27	25.37	1.06	[0.70 - 1.55]
Thyroid (193)	4	2.35	1.70	[0.46 - 4.35]
Other endocrine glands (194)	2	1.27	1.57	[0.19 - 5.69]
Ill defined (195,199)	40	37	1.08	[0.77 - 1.47]
Lymphatic & hematopoietic tissue (200-208)	57	72.33	0.79	[0.60 - 1.02]
Non-Hodgkins lymphoma (200,202)	16	21.52	0.74	[0.43 - 1.21]
Hodgkins disease (201)	5	7.14	0.70	[0.23 - 1.64]
Multiple myeloma (203)	13	13.63	0.95	[0.51 - 1.63]
Leukemia & aleukemia (204-208)	23	29.08	0.79	[0.50 - 1.19]
Lymphoid leukemia (204)	6	7.37	0.81	[0.30 - 1.77]
Myeloid leukemia (205)	8	12.2	0.66	[0.28 - 1.29]
BENIGN NEOPLASMS (210-239)	13	15.14	0.86	[0.46 - 1.47]
DIS. OF ENDOCRINE SYSTEM & BLOOD (240-289)	37	60.77	0.61	[0.43 - 0.84]
MENTAL DISORDERS (290-319)	21	40.87	0.51	[0.32 - 0.79]
DIS. OF NERVOUS SYSTEM (320-389)	43	50.35	0.85	[0.62 - 1.15]
DIS. OF CIRCULATORY SYSTEM (390-459)	1512	1643.51	0.92	[0.87 - 0.97]
Hypertension (401-405)	33	35.5	0.93	[0.64 - 1.31]
Ischaemic heart disease (410-414)	972	1055.14	0.92	[0.86 - 0.98]
Cerebrovascular (430-438)	242	299.27	0.81	[0.71 - 0.92]
Other heart diseases (4150,4152-4299)	88	136.3	0.65	[0.52 - 0.80]
DIS. OF RESPIRATORY SYSTEM (460-519)	164	234.9	0.70	[0.60 - 0.81]
Influenza (487)	0	7.05	0.00	[0.00 - 0.52]
Pneumonia (480-486)	61	99.67	0.61	[0.47 - 0.79]
Bronchitis,emphysema & asthma (490-493)	65	83.11	0.78	[0.60 - 1.00]
Pneumoconioses (500-508)	1	3.29	0.30	[0.01 - 1.69]
DIS. OF DIGESTIVE SYSTEM (520-579)	88	130.69	0.67	[0.54 - 0.83]
Liver cirrhosis (571)	41	50.63	0.81	[0.58 - 1.10]
DIS. OF GENITO-URINARY SYSTEM (580-629)	39	48.1	0.81	[0.58 - 1.11]
Nephritis & nephrosis (580-589)	9	21.87	0.41	[0.19 - 0.78]
DIS. OF THE SKIN (680-739)	2	11.58	0.17	[0.02 - 0.62]
SYMPTOMS AND ILL-DEFINED CONDITIONS (780-799)	76	107.38	0.71	[0.56 - 0.89]
EXTERNAL CAUSES (E800-999)	322	447.56	0.72	[0.64 - 0.80]
Traffic accident (E810-819)	58	92.76	0.63	[0.47 - 0.81]
Suicide (E950-959)	84	132.2	0.64	[0.51 - 0.79]
Homicide (E960-969)	5	16.44	0.30	[0.10 - 0.71]
Other external causes (E800-807,E820-949,E970-999)	175	206.17	0.85	[0.73 - 0.98]
UNKNOWN CAUSES	13			
OTHER CAUSES	59			

Table 2.11.8
Mortality by cause

TOTAL COHORT

Ever highly exposed to OILD (oils and synthetic fluids, dermal)

Men

Causes of death (ICD 9th.revision)	Observed	Expected	SMR	95% Confidence intervals
ALL CAUSES	3101	3588.68	0.86	[0.83 - 0.90]
ALL MALIGNANT NEOPLASMS (140-208)	777	822.6	0.94	[0.88 - 1.01]
Oral cavity & pharynx (140-149)	19	20.55	0.92	[0.56 - 1.44]
Oral cavity (141,143-145)	8	8.04	1.00	[0.43 - 1.96]
Nasopharynx (147)	1	1.47	0.68	[0.02 - 3.79]
Oesophagus (150)	19	22.32	0.85	[0.51 - 1.33]
Stomach (151)	74	82.06	0.90	[0.71 - 1.13]
Colon (153)	57	53.9	1.06	[0.80 - 1.37]
Rectum (154)	31	36.41	0.85	[0.58 - 1.21]
Liver (155)	13	16.96	0.77	[0.41 - 1.31]
Gallbladder (156)	5	6.39	0.78	[0.25 - 1.83]
Pancreas (157)	26	42.3	0.61	[0.40 - 0.90]
Peritoneum and other unspecified organs(158-159)	2	4.25	0.47	[0.06 - 1.70]
Nose & sinuses (160)	4	2.84	1.41	[0.38 - 3.60]
Larynx (161)	7	11.31	0.62	[0.25 - 1.27]
Lung (162)	220	216.52	1.02	[0.89 - 1.16]
Pleura (163)	12	3.59	3.34	[1.73 - 5.83]
Other respiratory organs (164-165)	6	2.18	2.75	[1.01 - 5.99]
Bone (170)	0	3.71	0.00	[0.00 - 0.99]
Soft tissue (171)	4	3.63	1.10	[0.30 - 2.82]
Melanoma (172)	12	14.25	0.84	[0.44 - 1.47]
Other skin (173)	2	2.42	0.83	[0.10 - 2.98]
Breast (174-175)	0	0.76	0.00	[0.00 - 4.85]
Cervix uteri (180)	0	-	-	-
Corpus uteri & uterus unspecified (179,181-182)	0	-	-	-
Ovary (183)	0	-	-	-
Other female genital organs (184)	0	-	-	-
Prostate (185)	60	74.3	0.81	[0.62 - 1.04]
Testis (186)	6	4.74	1.26	[0.46 - 2.75]
Other male genital organs (187)	2	1.01	1.98	[0.24 - 7.14]
Bladder (188)	31	26.93	1.15	[0.78 - 1.63]
Kidney (189)	24	23.9	1.00	[0.64 - 1.49]
Eye (190)	3	1.24	2.42	[0.50 - 7.07]
Brain (191-192)	27	24.64	1.10	[0.72 - 1.59]
Thyroid (193)	4	2.16	1.85	[0.50 - 4.74]
Other endocrine glands (194)	2	1.22	1.64	[0.20 - 5.91]
Ill defined (195,199)	37	35.8	1.03	[0.73 - 1.42]
Lymphatic & hematopoietic tissue (200-208)	56	69.99	0.80	[0.60 - 1.04]
Non-Hodgkins lymphoma (200,202)	16	20.8	0.77	[0.44 - 1.25]
Hodgkins disease (201)	5	6.96	0.72	[0.23 - 1.68]
Multiple myeloma (203)	13	13.13	0.99	[0.53 - 1.69]
Leukemia & aleukemia (204-208)	22	28.16	0.78	[0.49 - 1.18]
Lymphoid leukemia (204)	5	7.15	0.70	[0.23 - 1.63]
Myeloid leukemia (205)	8	11.78	0.68	[0.29 - 1.34]
BENIGN NEOPLASMS (210-239)	12	14.52	0.83	[0.43 - 1.44]
DIS. OF ENDOCRINE SYSTEM & BLOOD (240-289)	36	58.41	0.62	[0.43 - 0.85]
MENTAL DISORDERS (290-319)	21	38.68	0.54	[0.34 - 0.83]
DIS. OF NERVOUS SYSTEM (320-389)	41	48.47	0.85	[0.61 - 1.15]
DIS. OF CIRCULATORY SYSTEM (390-459)	1469	1593.35	0.92	[0.88 - 0.97]
Hypertension (401-405)	32	33.78	0.95	[0.65 - 1.34]
Ischaemic heart disease (410-414)	953	1030.66	0.92	[0.87 - 0.99]
Cerebrovascular (430-438)	232	284.71	0.81	[0.71 - 0.93]
Other heart diseases (4150,4152-4299)	83	131.11	0.63	[0.50 - 0.78]
DIS. OF RESPIRATORY SYSTEM (460-519)	160	228.31	0.70	[0.60 - 0.82]
Influenza (487)	0	6.72	0.00	[0.00 - 0.55]
Pneumonia (480-486)	59	95.54	0.62	[0.47 - 0.80]
Bronchitis,emphysema & asthma (490-493)	63	81.72	0.77	[0.59 - 0.99]
Pneumoconioses (500-508)	1	3.27	0.31	[0.01 - 1.70]
DIS. OF DIGESTIVE SYSTEM (520-579)	87	127.2	0.68	[0.55 - 0.84]
Liver cirrhosis (571)	41	49.94	0.82	[0.59 - 1.11]
DIS. OF GENITO-URINARY SYSTEM (580-629)	35	46.17	0.76	[0.53 - 1.05]
Nephritis & nephrosis (580-589)	8	21.17	0.38	[0.16 - 0.74]
DIS. OF THE SKIN (680-739)	2	10.58	0.19	[0.02 - 0.68]
SYMPTOMS AND ILL-DEFINED CONDITIONS (780-799)	76	105.99	0.72	[0.56 - 0.90]
EXTERNAL CAUSES (E800-999)	313	441.48	0.71	[0.63 - 0.79]
Traffic accident (E810-819)	57	91.46	0.62	[0.47 - 0.81]
Suicide (E950-959)	82	130.4	0.63	[0.50 - 0.78]
Homicide (E960-969)	5	16.22	0.31	[0.10 - 0.72]
Other external causes (E800-807,E820-949,E970-999)	169	203.4	0.83	[0.71 - 0.97]
UNKNOWN CAUSES	13	-	-	-
OTHER CAUSES	59	-	-	-

Table 2.11.9
Mortality by cause

TOTAL COHORT

Ever highly exposed to OILI (oils and synthetic fluids, inhalatory)

Causes of death (ICD 9th.revision)	Observed	Expected	SMR	95% Confidence intervals
ALL CAUSES	163	147.74	1.10	[0.94 - 1.29]
ALL MALIGNANT NEOPLASMS (140-208)	51	40.65	1.25	[0.93 - 1.65]
Oral cavity & pharynx (140-149)	0	1.05	0.00	[0.00 - 3.50]
Oral cavity (141,143-145)	0	0.43	0.00	[0.00 - 8.60]
Nasopharynx (147)	0	0.14	0.00	[0.00 - 26.9]
Oesophagus (150)	5	1.23	4.06	[1.32 - 9.47]
Stomach (151)	2	2.22	0.90	[0.11 - 3.25]
Colon (153)	6	3.67	1.64	[0.60 - 3.56]
Rectum (154)	3	2.59	1.16	[0.24 - 3.38]
Liver (155)	4	0.72	5.56	[1.52 - 14.2]
Gallbladder (156)	1	0.26	3.81	[0.10 - 21.2]
Pancreas (157)	1	1.7	0.59	[0.01 - 3.27]
Peritoneum and other unspecified organs(158-159)	0	0.31	0.00	[0.00 - 11.9]
Nose & sinuses (160)	0	0.07	0.00	[0.00 - 55.7]
Larynx (161)	0	0.38	0.00	[0.00 - 9.80]
Lung (162)	17	11.14	1.53	[0.89 - 2.44]
Pleura (163)	1	0.14	7.14	[0.18 - 39.8]
Other respiratory organs (164-165)	0	0.08	0.00	[0.00 - 46.3]
Bone (170)	0	0.18	0.00	[0.00 - 20.7]
Soft tissue (171)	0	0.24	0.00	[0.00 - 15.6]
Melanoma (172)	2	1.6	1.25	[0.15 - 4.52]
Other skin (173)	0	0.24	0.00	[0.00 - 15.2]
Breast (174-175)	2	0.48	4.19	[0.51 - 15.1]
Cervix uteri (180)	0	0.1	0.00	[0.00 - 36.5]
Corpus uteri & uterus unspecified (179,181-182)	0	0.04	0.00	[0.00 - 0100]
Ovary (183)	0	0.11	0.00	[0.00 - 33.3]
Other female genital organs (184)	0	0.01	0.00	[0.00 - 0489]
Prostate (185)	0	2.41	0.00	[0.00 - 1.53]
Testis (186)	1	0.27	3.66	[0.09 - 20.4]
Other male genital organs (187)	0	0.03	0.00	[0.00 - 0116]
Bladder (188)	2	0.82	2.44	[0.30 - 8.83]
Kidney (189)	0	1	0.00	[0.00 - 3.69]
Eye (190)	0	0.06	0.00	[0.00 - 58.0]
Brain (191-192)	0	1.69	0.00	[0.00 - 2.18]
Thyroid (193)	0	0.07	0.00	[0.00 - 52.7]
Other endocrine glands (194)	0	0.07	0.00	[0.00 - 56.1]
Ill defined (195,199)	2	2.05	0.98	[0.12 - 3.53]
Lymphatic & heamatopoietic tissue (200-208)	2	3.5	0.57	[0.07 - 2.07]
Non-Hodgkins lymphoma (200,202)	0	1.23	0.00	[0.00 - 3.01]
Hodgkins disease (201)	0	0.22	0.00	[0.00 - 16.4]
Multiple myeloma (203)	1	0.63	1.58	[0.04 - 8.80]
Leukemia & aleukemia (204-208)	1	1.41	0.71	[0.02 - 3.94]
Lymphoid leukemia (204)	0	0.4	0.00	[0.00 - 9.23]
Myeloid leukemia (205)	1	0.88	1.14	[0.03 - 6.35]
BENIGN NEOPLASMS (210-239)	1	0.28	3.59	[0.09 - 20.0]
DIS. OF ENDOCRINE SYSTEM & BLOOD (240-289)	4	3.76	1.06	[0.29 - 2.72]
MENTAL DISORDERS (290-319)	1	0.96	1.05	[0.03 - 5.83]
DIS. OF NERVOUS SYSTEM (320-389)	0	2.12	0.00	[0.00 - 1.74]
DIS. OF CIRCULATORY SYSTEM (390-459)	62	60.4	1.03	[0.79 - 1.32]
Hypertension (401-405)	1	1.02	0.98	[0.02 - 5.45]
Ischaemic heart disease (410-414)	51	43.49	1.17	[0.87 - 1.54]
Cerebrovascular (430-438)	6	7.86	0.76	[0.28 - 1.66]
Other heart diseases (4150,4152-4299)	1	4.22	0.24	[0.01 - 1.32]
DIS. OF RESPIRATORY SYSTEM (460-519)	13	9.69	1.34	[0.71 - 2.29]
Influenza (487)	0	0.09	0.00	[0.00 - 39.3]
Pneumonia (480-486)	2	1.69	1.18	[0.14 - 4.27]
Bronchitis,emphysema & asthma (490-493)	8	3.8	2.11	[0.91 - 4.15]
Pneumoconioses (500-508)	0	0.06	0.00	[0.00 - 58.5]
DIS. OF DIGESTIVE SYSTEM (520-579)	6	3.62	1.66	[0.61 - 3.61]
Liver cirrhosis (571)	3	1.5	1.99	[0.41 - 5.83]
DIS. OF GENITO-URINARY SYSTEM (580-629)	2	1.11	1.81	[0.22 - 6.54]
Nephritis & nephrosis (580-589)	1	0.69	1.44	[0.04 - 8.04]
DIS. OF THE SKIN (680-739)	0	0.54	0.00	[0.00 - 6.84]
SYMPTOMS AND ILL-DEFINED CONDITIONS (780-799)	0	0.28	0.00	[0.00 - 13.1]
EXTERNAL CAUSES (E800-999)	20	22.93	0.87	[0.53 - 1.35]
Traffic accident (E810-819)	7	8.86	0.79	[0.32 - 1.63]
Suicide (E950-959)	6	6.32	0.95	[0.35 - 2.07]
Homicide (E960-969)	0	0.81	0.00	[0.00 - 4.57]
Other external causes (E800-807,E820-949,E970-999)	7	6.95	1.01	[0.41 - 2.08]
UNKNOWN CAUSES	2			
OTHER CAUSES	1			

**Table 2.11.9
Mortality by cause**

TOTAL COHORT

Ever highly exposed to OILI (oils and synthetic fluids, inhalatory)

Men

Causes of death (ICD 9th.revision)	Observed	Expected	SMR	95% Confidence intervals
ALL CAUSES	160	142.92	1.12	[0.95 - 1.31]
ALL MALIGNANT NEOPLASMS (140-208)	49	38.81	1.26	[0.93 - 1.67]
Oral cavity & pharynx (140-149)	0	1.04	0.00	[0.00 - 3.56]
Oral cavity (141,143-145)	0	0.42	0.00	[0.00 - 8.78]
Nasopharynx (147)	0	0.14	0.00	[0.00 - 27.2]
Oesophagus (150)	5	1.21	4.12	[1.34 - 9.62]
Stomach (151)	2	2.17	0.92	[0.11 - 3.33]
Colon (153)	6	3.48	1.72	[0.63 - 3.75]
Rectum (154)	3	2.52	1.19	[0.25 - 3.48]
Liver (155)	4	0.7	5.70	[1.55 - 14.6]
Gallbladder (156)	1	0.25	4.06	[0.10 - 22.6]
Pancreas (157)	1	1.65	0.60	[0.02 - 3.37]
Peritoneum and other unspecified organs(158-159)	0	0.3	0.00	[0.00 - 12.4]
Nose & sinuses (160)	0	0.06	0.00	[0.00 - 57.9]
Larynx (161)	0	0.37	0.00	[0.00 - 9.89]
Lung (162)	17	10.91	1.56	[0.91 - 2.50]
Pleura (163)	1	0.14	7.21	[0.18 - 40.2]
Other respiratory organs (164-165)	0	0.08	0.00	[0.00 - 48.0]
Bone (170)	0	0.17	0.00	[0.00 - 22.0]
Soft tissue (171)	0	0.22	0.00	[0.00 - 16.5]
Melanoma (172)	2	1.54	1.30	[0.16 - 4.71]
Other skin (173)	0	0.24	0.00	[0.00 - 15.4]
Breast (174-175)	0	0.04	0.00	[0.00 - 0102]
Cervix uteri (180)	0	-	-	-
Corpus uteri & uterus unspecified (179,181-182)	0	-	-	-
Ovary (183)	0	-	-	-
Other female genital organs (184)	0	-	-	-
Prostate (185)	0	2.41	0.00	[0.00 - 1.53]
Testis (186)	1	0.27	3.66	[0.09 - 20.4]
Other male genital organs (187)	0	0.03	0.00	[0.00 - 0116]
Bladder (188)	2	0.81	2.48	[0.30 - 8.96]
Kidney (189)	0	0.97	0.00	[0.00 - 3.79]
Eye (190)	0	0.06	0.00	[0.00 - 60.1]
Brain (191-192)	0	1.62	0.00	[0.00 - 2.27]
Thyroid (193)	0	0.06	0.00	[0.00 - 57.6]
Other endocrine glands (194)	0	0.06	0.00	[0.00 - 61.2]
Ill defined (195,199)	2	1.96	1.02	[0.12 - 3.69]
Lymphatic & hematopoietic tissue (200-208)	2	3.35	0.60	[0.07 - 2.16]
Non-Hodgkins lymphoma (200,202)	0	1.18	0.00	[0.00 - 3.13]
Hodgkins disease (201)	0	0.22	0.00	[0.00 - 17.1]
Multiple myeloma (203)	1	0.61	1.63	[0.04 - 9.08]
Leukemia & aleukemia (204-208)	1	1.34	0.74	[0.02 - 4.14]
Lymphoid leukemia (204)	0	0.38	0.00	[0.00 - 9.67]
Myeloid leukemia (205)	1	0.83	1.20	[0.03 - 6.68]
BENIGN NEOPLASMS (210-239)	1	0.26	3.80	[0.10 - 21.2]
DIS. OF ENDOCRINE SYSTEM & BLOOD (240-289)	4	3.62	1.10	[0.30 - 2.83]
MENTAL DISORDERS (290-319)	1	0.93	1.08	[0.03 - 6.02]
DIS. OF NERVOUS SYSTEM (320-389)	0	2.01	0.00	[0.00 - 1.83]
DIS. OF CIRCULATORY SYSTEM (390-459)	62	59.02	1.05	[0.81 - 1.35]
Hypertension (401-405)	1	0.98	1.02	[0.03 - 5.67]
Ischaemic heart disease (410-414)	51	42.74	1.19	[0.89 - 1.57]
Cerebrovascular (430-438)	6	7.53	0.80	[0.29 - 1.73]
Other heart diseases (4150,4152-4299)	1	4.09	0.24	[0.01 - 1.36]
DIS. OF RESPIRATORY SYSTEM (460-519)	13	9.34	1.39	[0.74 - 2.38]
Influenza (487)	0	0.09	0.00	[0.00 - 41.2]
Pneumonia (480-486)	2	1.64	1.22	[0.15 - 4.41]
Bronchitis,emphysema & asthma (490-493)	8	3.64	2.20	[0.95 - 4.34]
Pneumoconioses (500-508)	0	0.06	0.00	[0.00 - 60.0]
DIS. OF DIGESTIVE SYSTEM (520-579)	6	3.51	1.71	[0.63 - 3.72]
Liver cirrhosis (571)	3	1.47	2.04	[0.42 - 5.96]
DIS. OF GENITO-URINARY SYSTEM (580-629)	2	1.05	1.90	[0.23 - 6.86]
Nephritis & nephrosis (580-589)	1	0.66	1.51	[0.04 - 8.40]
DIS. OF THE SKIN (680-739)	0	0.5	0.00	[0.00 - 7.43]
SYMPTOMS AND ILL-DEFINED CONDITIONS (780-799)	0	0.27	0.00	[0.00 - 13.5]
EXTERNAL CAUSES (E800-999)	19	22.28	0.85	[0.51 - 1.33]
Traffic accident (E810-819)	7	8.54	0.82	[0.33 - 1.69]
Suicide (E950-959)	5	6.15	0.81	[0.26 - 1.90]
Homicide (E960-969)	0	0.77	0.00	[0.00 - 4.79]
Other external causes (E800-807,E820-949,E970-999)	7	6.82	1.03	[0.41 - 2.12]
UNKNOWN CAUSES	2			
OTHER CAUSES	1			

**Table 2.11.10
Mortality by cause**

TOTAL COHORT

Ever highly exposed to PUPA (pulp or paper dust)

Causes of death (ICD 9th.revision)	Observed	Expected	SMR	95% Confidence intervals
ALL CAUSES	8112	8721.69	0.93	[0.91 - 0.95]
ALL MALIGNANT NEOPLASMS (140-208)	2032	2126.91	0.96	[0.91 - 1.00]
Oral cavity & pharynx (140-149)	35	49	0.71	[0.50 - 0.99]
Oral cavity (141,143-145)	18	20.19	0.89	[0.53 - 1.41]
Nasopharynx (147)	2	3.48	0.57	[0.07 - 2.08]
Oesophagus (150)	38	53.24	0.71	[0.51 - 0.98]
Stomach (151)	181	195.91	0.92	[0.79 - 1.07]
Colon (153)	122	144.85	0.84	[0.70 - 1.01]
Rectum (154)	89	93.36	0.95	[0.77 - 1.17]
Liver (155)	30	38.58	0.78	[0.52 - 1.11]
Gallbladder (156)	13	18.94	0.69	[0.37 - 1.17]
Pancreas (157)	110	109.18	1.01	[0.83 - 1.21]
Peritoneum and other unspecified organs(158-159)	6	11.01	0.55	[0.20 - 1.19]
Nose & sinuses (160)	7	7.19	0.97	[0.39 - 2.01]
Larynx (161)	29	26.23	1.11	[0.74 - 1.59]
Lung (162)	527	503.18	1.05	[0.96 - 1.14]
Pleura (163)	14	8.88	1.58	[0.86 - 2.64]
Other respiratory organs (164-165)	11	5.33	2.06	[1.03 - 3.69]
Bone (170)	1	8.8	0.11	[0.00 - 0.63]
Soft tissue (171)	13	9.28	1.40	[0.75 - 2.40]
Melanoma (172)	36	33.9	1.06	[0.74 - 1.47]
Other skin (173)	4	5.76	0.69	[0.19 - 1.78]
Breast (174-175)	62	67.21	0.92	[0.71 - 1.18]
Cervix uteri (180)	14	18.02	0.78	[0.42 - 1.30]
Corpus uteri & uterus unspecified (179,181-182)	6	10.68	0.56	[0.21 - 1.22]
Ovary (183)	25	26.7	0.94	[0.61 - 1.38]
Other female genital organs (184)	2	2.47	0.81	[0.10 - 2.92]
Prostate (185)	145	163.63	0.89	[0.75 - 1.04]
Testis (186)	9	10.54	0.85	[0.39 - 1.62]
Other male genital organs (187)	5	2.38	2.10	[0.68 - 4.90]
Bladder (188)	72	68	1.06	[0.83 - 1.33]
Kidney (189)	46	60.96	0.75	[0.55 - 1.01]
Eye (190)	3	3.29	0.91	[0.19 - 2.66]
Brain (191-192)	66	63.26	1.04	[0.81 - 1.33]
Thyroid (193)	3	6.64	0.45	[0.09 - 1.32]
Other endocrine glands (194)	3	3.2	0.94	[0.19 - 2.74]
Ill defined (195,199)	114	98.6	1.16	[0.95 - 1.39]
Lymphatic & hematopoietic tissue (200-208)	160	176.3	0.91	[0.77 - 1.06]
Non-Hodgkins lymphoma (200,202)	48	52.45	0.92	[0.67 - 1.21]
Hodgkins disease (201)	19	17.5	1.09	[0.65 - 1.70]
Multiple myeloma (203)	34	34.01	1.00	[0.69 - 1.40]
Leukemia & aleukemia (204-208)	59	71.15	0.83	[0.63 - 1.07]
Lymphoid leukemia (204)	13	17.81	0.73	[0.39 - 1.25]
Myeloid leukemia (205)	27	30.55	0.88	[0.58 - 1.29]
BENIGN NEOPLASMS (210-239)	32	39.99	0.80	[0.55 - 1.13]
DIS. OF ENDOCRINE SYSTEM & BLOOD (240-289)	103	147.23	0.70	[0.57 - 0.85]
MENTAL DISORDERS (290-319)	68	98.52	0.69	[0.54 - 0.87]
DIS. OF NERVOUS SYSTEM (320-389)	105	123.52	0.85	[0.70 - 1.03]
DIS. OF CIRCULATORY SYSTEM (390-459)	3736	3854.29	0.97	[0.94 - 1.00]
Hypertension (401-405)	71	85.24	0.83	[0.65 - 1.05]
Ischaemic heart disease (410-414)	2389	2421.09	0.99	[0.95 - 1.03]
Cerebrovascular (430-438)	643	739.74	0.87	[0.80 - 0.94]
Other heart diseases (4150,4152-4299)	248	317	0.78	[0.69 - 0.89]
DIS. OF RESPIRATORY SYSTEM (460-519)	457	559.72	0.82	[0.74 - 0.89]
Influenza (487)	12	18.03	0.67	[0.34 - 1.16]
Pneumonia (480-486)	174	241.78	0.72	[0.62 - 0.83]
Bronchitis,emphysema & asthma (490-493)	194	202.44	0.96	[0.83 - 1.10]
Pneumoconioses (500-508)	3	7.83	0.38	[0.08 - 1.12]
DIS. OF DIGESTIVE SYSTEM (520-579)	275	315.2	0.87	[0.77 - 0.98]
Liver cirrhosis (571)	116	122.26	0.95	[0.78 - 1.14]
DIS. OF GENITO-URINARY SYSTEM (580-629)	95	117.88	0.81	[0.65 - 0.99]
Nephritis & nephrosis (580-589)	30	48.77	0.62	[0.42 - 0.88]
DIS. OF THE SKIN (680-739)	23	31.69	0.73	[0.46 - 1.09]
SYMPTOMS AND ILL-DEFINED CONDITIONS (780-799)	198	253.05	0.78	[0.68 - 0.90]
EXTERNAL CAUSES (E800-999)	793	935.1	0.85	[0.79 - 0.91]
Traffic accident (E810-819)	129	185.6	0.70	[0.58 - 0.83]
Suicide (E950-959)	217	297.56	0.73	[0.64 - 0.83]
Homicide (E960-969)	19	24.36	0.78	[0.47 - 1.22]
Other external causes (E800-807,E820-949,E970-999)	428	427.59	1.00	[0.91 - 1.10]
UNKNOWN CAUSES	53			
OTHER CAUSES	142			

**Table 2.11.10
Mortality by cause**

TOTAL COHORT

Ever highly exposed to PUPA (pulp or paper dust)

Men

Causes of death (ICD 9th.revision)	Observed	Expected	SMR	95% Confidence intervals
ALL CAUSES	7039	7593.31	0.93	[0.91 - 0.95]
ALL MALIGNANT NEOPLASMS (140-208)	1698	1792.34	0.95	[0.90 - 0.99]
Oral cavity & pharynx (140-149)	34	45.74	0.74	[0.51 - 1.04]
Oral cavity (141,143-145)	17	18.66	0.91	[0.53 - 1.46]
Nasopharynx (147)	2	3.19	0.63	[0.08 - 2.26]
Oesophagus (150)	34	49.28	0.69	[0.48 - 0.96]
Stomach (151)	157	172.87	0.91	[0.77 - 1.06]
Colon (153)	104	119.07	0.87	[0.71 - 1.06]
Rectum (154)	75	80.28	0.93	[0.73 - 1.17]
Liver (155)	24	33.21	0.72	[0.46 - 1.08]
Gallbladder (156)	10	13.33	0.75	[0.36 - 1.38]
Pancreas (157)	95	92.68	1.03	[0.83 - 1.25]
Peritoneum and other unspecified organs(158-159)	5	8.92	0.56	[0.18 - 1.31]
Nose & sinuses (160)	7	6.68	1.05	[0.42 - 2.16]
Larynx (161)	28	25.6	1.09	[0.73 - 1.58]
Lung (162)	479	472.07	1.01	[0.93 - 1.11]
Pleura (163)	12	8.35	1.44	[0.74 - 2.51]
Other respiratory organs (164-165)	11	4.83	2.28	[1.14 - 4.08]
Bone (170)	1	7.68	0.13	[0.00 - 0.73]
Soft tissue (171)	10	7.78	1.29	[0.62 - 2.36]
Melanoma (172)	31	28.89	1.07	[0.73 - 1.52]
Other skin (173)	4	5.01	0.80	[0.22 - 2.05]
Breast (174-175)	0	1.78	0.00	[0.00 - 2.07]
Cervix uteri (180)	0	-	-	-
Corpus uteri & uterus unspecified (179,181-182)	0	-	-	-
Ovary (183)	0	-	-	-
Other female genital organs (184)	0	-	-	-
Prostate (185)	145	163.63	0.89	[0.75 - 1.04]
Testis (186)	9	10.54	0.85	[0.39 - 1.62]
Other male genital organs (187)	5	2.38	2.10	[0.68 - 4.90]
Bladder (188)	67	63.25	1.06	[0.82 - 1.35]
Kidney (189)	40	53.18	0.75	[0.54 - 1.02]
Eye (190)	3	2.72	1.10	[0.23 - 3.22]
Brain (191-192)	52	53.71	0.97	[0.72 - 1.27]
Thyroid (193)	3	4.8	0.63	[0.13 - 1.83]
Other endocrine glands (194)	2	2.65	0.76	[0.09 - 2.73]
Ill defined (195,199)	89	82.44	1.08	[0.87 - 1.33]
Lymphatic & hematopoietic tissue (200-208)	138	150.37	0.92	[0.77 - 1.08]
Non-Hodgkins lymphoma (200,202)	44	44.97	0.98	[0.71 - 1.31]
Hodgkins disease (201)	16	15.1	1.06	[0.61 - 1.72]
Multiple myeloma (203)	29	28.85	1.01	[0.67 - 1.44]
Leukemia & aleukemia (204-208)	49	60.53	0.81	[0.60 - 1.07]
Lymphoid leukemia (204)	12	15.72	0.76	[0.39 - 1.33]
Myeloid leukemia (205)	22	25.68	0.86	[0.54 - 1.30]
BENIGN NEOPLASMS (210-239)	29	32.83	0.88	[0.59 - 1.27]
DIS. OF ENDOCRINE SYSTEM & BLOOD (240-289)	80	121.59	0.66	[0.52 - 0.82]
MENTAL DISORDERS (290-319)	64	83.43	0.77	[0.59 - 0.98]
DIS. OF NERVOUS SYSTEM (320-389)	85	103.38	0.82	[0.66 - 1.02]
DIS. OF CIRCULATORY SYSTEM (390-459)	3275	3387.05	0.97	[0.93 - 1.00]
Hypertension (401-405)	55	70.08	0.78	[0.59 - 1.02]
Ischaemic heart disease (410-414)	2146	2197.21	0.98	[0.94 - 1.02]
Cerebrovascular (430-438)	539	606.08	0.89	[0.82 - 0.97]
Other heart diseases (4150,4152-4299)	199	268.1	0.74	[0.64 - 0.85]
DIS. OF RESPIRATORY SYSTEM (460-519)	390	489.77	0.80	[0.72 - 0.88]
Influenza (487)	5	14.62	0.34	[0.11 - 0.80]
Pneumonia (480-486)	135	203.64	0.66	[0.56 - 0.78]
Bronchitis,emphysema & asthma (490-493)	179	182.78	0.98	[0.84 - 1.13]
Pneumoconioses (500-508)	3	7.63	0.39	[0.08 - 1.15]
DIS. OF DIGESTIVE SYSTEM (520-579)	242	274.74	0.88	[0.77 - 1.00]
Liver cirrhosis (571)	108	111.24	0.97	[0.80 - 1.17]
DIS. OF GENITO-URINARY SYSTEM (580-629)	73	98.15	0.74	[0.58 - 0.94]
Nephritis & nephrosis (580-589)	25	41.83	0.60	[0.39 - 0.88]
DIS. OF THE SKIN (680-739)	16	22.37	0.72	[0.41 - 1.16]
SYMPTOMS AND ILL-DEFINED CONDITIONS (780-799)	182	227.07	0.80	[0.69 - 0.93]
EXTERNAL CAUSES (E800-999)	734	860.46	0.85	[0.79 - 0.92]
Traffic accident (E810-819)	121	172.19	0.70	[0.58 - 0.84]
Suicide (E950-959)	203	270.83	0.75	[0.65 - 0.86]
Homicide (E960-969)	19	21.96	0.87	[0.52 - 1.35]
Other external causes (E800-807,E820-949,E970-999)	391	395.49	0.99	[0.89 - 1.09]
UNKNOWN CAUSES	47			
OTHER CAUSES	124			

Table 2.11.11
Mortality by cause

TOTAL COHORT

Ever highly exposed to SO2 (sulfure dioxide)

Causes of death (ICD 9th.revision)	Observed	Expected	SMR	95% Confidence intervals
ALL CAUSES	681	741.55	0.92	[0.85 - 0.99]
ALL MALIGNANT NEOPLASMS (140-208)	161	171.56	0.94	[0.80 - 1.10]
Oral cavity & pharynx (140-149)	1	3.5	0.29	[0.01 - 1.59]
Oral cavity (141,143-145)	1	1.45	0.69	[0.02 - 3.85]
Nasopharynx (147)	0	0.26	0.00	[0.00 - 14.1]
Oesophagus (150)	2	3.69	0.54	[0.07 - 1.96]
Stomach (151)	13	17.99	0.72	[0.38 - 1.24]
Colon (153)	11	12.04	0.91	[0.46 - 1.63]
Rectum (154)	3	8.03	0.37	[0.08 - 1.09]
Liver (155)	1	2.68	0.37	[0.01 - 2.08]
Gallbladder (156)	1	1.3	0.77	[0.02 - 4.29]
Pancreas (157)	12	9.47	1.27	[0.65 - 2.21]
Peritoneum and other unspecified organs(158-159)	0	0.46	0.00	[0.00 - 8.08]
Nose & sinuses (160)	0	0.45	0.00	[0.00 - 8.26]
Larynx (161)	2	1.84	1.09	[0.13 - 3.93]
Lung (162)	58	40.11	1.45	[1.10 - 1.87]
Pleura (163)	1	0.68	1.46	[0.04 - 8.15]
Other respiratory organs (164-165)	0	0.33	0.00	[0.00 - 11.3]
Bone (170)	1	0.53	1.90	[0.05 - 10.6]
Soft tissue (171)	0	0.71	0.00	[0.00 - 5.22]
Melanoma (172)	2	2.55	0.78	[0.09 - 2.83]
Other skin (173)	0	0.52	0.00	[0.00 - 7.11]
Breast (174-175)	1	0.95	1.05	[0.03 - 5.87]
Cervix uteri (180)	0	0.22	0.00	[0.00 - 16.9]
Corpus uteri & uterus unspecified (179,181-182)	0	0.15	0.00	[0.00 - 24.1]
Ovary (183)	0	0.36	0.00	[0.00 - 10.2]
Other female genital organs (184)	0	0.04	0.00	[0.00 - 98.3]
Prostate (185)	11	19.73	0.56	[0.28 - 1.00]
Testis (186)	0	0.68	0.00	[0.00 - 5.40]
Other male genital organs (187)	1	0.21	4.67	[0.12 - 26.0]
Bladder (188)	4	6.47	0.62	[0.17 - 1.58]
Kidney (189)	5	5.13	0.98	[0.32 - 2.28]
Eye (190)	0	0.28	0.00	[0.00 - 13.2]
Brain (191-192)	2	4.45	0.45	[0.05 - 1.62]
Thyroid (193)	0	0.5	0.00	[0.00 - 7.44]
Other endocrine glands (194)	1	0.21	4.74	[0.12 - 26.4]
Ill defined (195,199)	4	8.42	0.48	[0.13 - 1.22]
Lymphatic & heamatopoietic tissue (200-208)	22	14.68	1.50	[0.94 - 2.27]
Non-Hodgkins lymphoma (200,202)	9	4.19	2.15	[0.98 - 4.08]
Hodgkins disease (201)	3	1.25	2.40	[0.49 - 7.00]
Multiple myeloma (203)	1	3.25	0.31	[0.01 - 1.71]
Leukemia & aleukemia (204-208)	9	5.78	1.56	[0.71 - 2.95]
Lymphoid leukemia (204)	1	1.51	0.66	[0.02 - 3.69]
Myeloid leukemia (205)	6	2.32	2.58	[0.95 - 5.63]
BENIGN NEOPLASMS (210-239)	4	3.22	1.24	[0.34 - 3.18]
DIS. OF ENDOCRINE SYSTEM & BLOOD (240-289)	7	11.43	0.61	[0.25 - 1.26]
MENTAL DISORDERS (290-319)	8	7.29	1.10	[0.47 - 2.16]
DIS. OF NERVOUS SYSTEM (320-389)	5	9.98	0.50	[0.16 - 1.17]
DIS. OF CIRCULATORY SYSTEM (390-459)	342	354.63	0.96	[0.86 - 1.07]
Hypertension (401-405)	4	8.34	0.48	[0.13 - 1.23]
Ischaemic heart disease (410-414)	226	225.71	1.00	[0.87 - 1.14]
Cerebrovascular (430-438)	60	65.69	0.91	[0.70 - 1.18]
Other heart diseases (4150,4152-4299)	24	28.78	0.83	[0.53 - 1.24]
DIS. OF RESPIRATORY SYSTEM (460-519)	34	51.71	0.66	[0.46 - 0.92]
Influenza (487)	3	1.45	2.07	[0.43 - 6.05]
Pneumonia (480-486)	13	24.89	0.52	[0.28 - 0.89]
Bronchitis,emphysema & asthma (490-493)	12	17.51	0.69	[0.35 - 1.20]
Pneumoconioses (500-508)	0	0.58	0.00	[0.00 - 6.38]
DIS. OF DIGESTIVE SYSTEM (520-579)	14	23.19	0.60	[0.33 - 1.01]
Liver cirrhosis (571)	7	7.16	0.98	[0.39 - 2.01]
DIS. OF GENITO-URINARY SYSTEM (580-629)	16	10.81	1.48	[0.85 - 2.40]
Nephritis & nephrosis (580-589)	8	4.41	1.81	[0.78 - 3.57]
DIS. OF THE SKIN (680-739)	1	2.46	0.41	[0.01 - 2.27]
SYMPTOMS AND ILL-DEFINED CONDITIONS (780-799)	24	26.37	0.91	[0.58 - 1.35]
EXTERNAL CAUSES (E800-999)	49	60.04	0.82	[0.60 - 1.08]
Traffic accident (E810-819)	5	10.79	0.46	[0.15 - 1.08]
Suicide (E950-959)	18	17.27	1.04	[0.62 - 1.65]
Homicide (E960-969)	1	1.33	0.75	[0.02 - 4.19]
Other external causes (E800-807,E820-949,E970-999)	25	30.66	0.82	[0.53 - 1.20]
UNKNOWN CAUSES	3			
OTHER CAUSES	13			

Table 2.11.11
Mortality by cause

TOTAL COHORT

Ever highly exposed to SO2 (sulfure dioxide)

Men

Causes of death (ICD 9th.revision)	Observed	Expected	SMR	95% Confidence intervals
ALL CAUSES	673	724.01	0.93	[0.86 - 1.00]
ALL MALIGNANT NEOPLASMS (140-208)	157	166.94	0.94	[0.80 - 1.10]
Oral cavity & pharynx (140-149)	1	3.45	0.29	[0.01 - 1.61]
Oral cavity (141,143-145)	1	1.42	0.70	[0.02 - 3.91]
Nasopharynx (147)	0	0.26	0.00	[0.00 - 14.3]
Oesophagus (150)	2	3.62	0.55	[0.07 - 2.00]
Stomach (151)	12	17.61	0.68	[0.35 - 1.19]
Colon (153)	11	11.75	0.94	[0.47 - 1.67]
Rectum (154)	3	7.86	0.38	[0.08 - 1.12]
Liver (155)	1	2.56	0.39	[0.01 - 2.17]
Gallbladder (156)	1	1.18	0.85	[0.02 - 4.72]
Pancreas (157)	11	9.17	1.20	[0.60 - 2.15]
Peritoneum and other unspecified organs(158-159)	0	0.42	0.00	[0.00 - 8.86]
Nose & sinuses (160)	0	0.44	0.00	[0.00 - 8.41]
Larynx (161)	2	1.83	1.09	[0.13 - 3.94]
Lung (162)	58	39.77	1.46	[1.11 - 1.89]
Pleura (163)	1	0.67	1.49	[0.04 - 8.29]
Other respiratory organs (164-165)	0	0.32	0.00	[0.00 - 11.6]
Bone (170)	1	0.51	1.96	[0.05 - 10.9]
Soft tissue (171)	0	0.68	0.00	[0.00 - 5.40]
Melanoma (172)	2	2.49	0.80	[0.10 - 2.91]
Other skin (173)	0	0.51	0.00	[0.00 - 7.26]
Breast (174-175)	0	0.14	0.00	[0.00 - 25.6]
Cervix uteri (180)	0	-	-	-
Corpus uteri & uterus unspecified (179,181-182)	0	-	-	-
Ovary (183)	0	-	-	-
Other female genital organs (184)	0	-	-	-
Prostate (185)	11	19.73	0.56	[0.28 - 1.00]
Testis (186)	0	0.68	0.00	[0.00 - 5.40]
Other male genital organs (187)	1	0.21	4.67	[0.12 - 26.0]
Bladder (188)	4	6.42	0.62	[0.17 - 1.60]
Kidney (189)	5	5	1.00	[0.32 - 2.33]
Eye (190)	0	0.27	0.00	[0.00 - 13.7]
Brain (191-192)	2	4.32	0.46	[0.06 - 1.67]
Thyroid (193)	0	0.46	0.00	[0.00 - 8.00]
Other endocrine glands (194)	1	0.2	4.94	[0.12 - 27.5]
Ill defined (195,199)	4	8.25	0.49	[0.13 - 1.24]
Lymphatic & heamatopoietic tissue (200-208)	22	14.27	1.54	[0.97 - 2.33]
Non-Hodgkins lymphoma (200,202)	9	4.06	2.22	[1.01 - 4.21]
Hodgkins disease (201)	3	1.22	2.45	[0.51 - 7.17]
Multiple myeloma (203)	1	3.16	0.32	[0.01 - 1.76]
Leukemia & aleukemia (204-208)	9	5.63	1.60	[0.73 - 3.03]
Lymphoid leukemia (204)	1	1.47	0.68	[0.02 - 3.78]
Myeloid leukemia (205)	6	2.24	2.67	[0.98 - 5.82]
BENIGN NEOPLASMS (210-239)	4	3.12	1.28	[0.35 - 3.28]
DIS. OF ENDOCRINE SYSTEM & BLOOD (240-289)	7	11.07	0.63	[0.25 - 1.30]
MENTAL DISORDERS (290-319)	8	6.82	1.17	[0.51 - 2.31]
DIS. OF NERVOUS SYSTEM (320-389)	5	9.62	0.52	[0.17 - 1.21]
DIS. OF CIRCULATORY SYSTEM (390-459)	338	346.36	0.98	[0.87 - 1.09]
Hypertension (401-405)	4	8.08	0.50	[0.13 - 1.27]
Ischaemic heart disease (410-414)	222	221.41	1.00	[0.88 - 1.14]
Cerebrovascular (430-438)	60	63.38	0.95	[0.72 - 1.22]
Other heart diseases (4150,4152-4299)	24	28	0.86	[0.55 - 1.28]
DIS. OF RESPIRATORY SYSTEM (460-519)	34	50.77	0.67	[0.46 - 0.94]
Influenza (487)	3	1.41	2.13	[0.44 - 6.24]
Pneumonia (480-486)	13	24.31	0.53	[0.28 - 0.91]
Bronchitis,emphysema & asthma (490-493)	12	17.3	0.69	[0.36 - 1.21]
Pneumoconioses (500-508)	0	0.57	0.00	[0.00 - 6.44]
DIS. OF DIGESTIVE SYSTEM (520-579)	14	22.62	0.62	[0.34 - 1.04]
Liver cirrhosis (571)	7	7.05	0.99	[0.40 - 2.05]
DIS. OF GENITO-URINARY SYSTEM (580-629)	16	10.5	1.52	[0.87 - 2.47]
Nephritis & nephrosis (580-589)	8	4.31	1.86	[0.80 - 3.66]
DIS. OF THE SKIN (680-739)	1	2.27	0.44	[0.01 - 2.46]
SYMPTOMS AND ILL-DEFINED CONDITIONS (780-799)	24	26.24	0.91	[0.59 - 1.35]
EXTERNAL CAUSES (E800-999)	49	59.09	0.83	[0.61 - 1.10]
Traffic accident (E810-819)	5	10.61	0.47	[0.15 - 1.10]
Suicide (E950-959)	18	16.97	1.06	[0.63 - 1.68]
Homicide (E960-969)	1	1.3	0.77	[0.02 - 4.30]
Other external causes (E800-807,E820-949,E970-999)	25	30.22	0.83	[0.54 - 1.22]
UNKNOWN CAUSES	3			
OTHER CAUSES	13			

Table 2.11.12
Mortality by cause

TOTAL COHORT

Ever highly exposed to SOLD (nonchlorinated organic solvent, dermal)

Causes of death (ICD 9th.revision)	Observed	Expected	SMR	95% Confidence intervals
ALL CAUSES	3862	4355.56	0.89	[0.86 - 0.92]
ALL MALIGNANT NEOPLASMS (140-208)	972	1006.68	0.97	[0.91 - 1.03]
Oral cavity & pharynx (140-149)	22	24.5	0.90	[0.56 - 1.36]
Oral cavity (141,143-145)	11	9.83	1.12	[0.56 - 2.00]
Nasopharynx (147)	1	1.79	0.56	[0.01 - 3.11]
Oesophagus (150)	21	26.09	0.81	[0.50 - 1.23]
Stomach (151)	93	101.06	0.92	[0.74 - 1.13]
Colon (153)	72	66.75	1.08	[0.84 - 1.36]
Rectum (154)	41	45.24	0.91	[0.65 - 1.23]
Liver (155)	16	19.88	0.80	[0.46 - 1.31]
Gallbladder (156)	6	8	0.75	[0.28 - 1.63]
Pancreas (157)	37	52.46	0.71	[0.50 - 0.97]
Peritoneum and other unspecified organs(158-159)	3	4.72	0.64	[0.13 - 1.86]
Nose & sinuses (160)	5	3.42	1.46	[0.47 - 3.41]
Larynx (161)	8	13.12	0.61	[0.26 - 1.20]
Lung (162)	268	250.71	1.07	[0.94 - 1.20]
Pleura (163)	13	4.42	2.94	[1.57 - 5.03]
Other respiratory organs (164-165)	6	2.49	2.41	[0.88 - 5.25]
Bone (170)	0	4.41	0.00	[0.00 - 0.84]
Soft tissue (171)	4	4.62	0.87	[0.24 - 2.22]
Melanoma (172)	15	18.03	0.83	[0.47 - 1.37]
Other skin (173)	3	2.9	1.03	[0.21 - 3.02]
Breast (174-175)	4	6.58	0.61	[0.17 - 1.56]
Cervix uteri (180)	0	1.41	0.00	[0.00 - 2.62]
Corpus uteri & uterus unspecified (179,181-182)	1	1.05	0.95	[0.02 - 5.31]
Ovary (183)	2	2.32	0.86	[0.10 - 3.11]
Other female genital organs (184)	0	0.27	0.00	[0.00 - 13.8]
Prostate (185)	76	90.71	0.84	[0.66 - 1.05]
Testis (186)	6	5.86	1.02	[0.38 - 2.23]
Other male genital organs (187)	2	1.23	1.63	[0.20 - 5.89]
Bladder (188)	41	32.82	1.25	[0.90 - 1.69]
Kidney (189)	27	29.63	0.91	[0.60 - 1.33]
Eye (190)	3	1.59	1.89	[0.39 - 5.53]
Brain (191-192)	33	31.04	1.06	[0.73 - 1.49]
Thyroid (193)	4	2.82	1.42	[0.39 - 3.63]
Other endocrine glands (194)	2	1.51	1.33	[0.16 - 4.79]
Ill defined (195,199)	53	46.56	1.14	[0.85 - 1.49]
Lymphatic & hematopoietic tissue (200-208)	70	87.09	0.80	[0.63 - 1.02]
Non-Hodgkins lymphoma (200,202)	18	25.92	0.69	[0.41 - 1.10]
Hodgkins disease (201)	9	8.63	1.04	[0.48 - 1.98]
Multiple myeloma (203)	14	16.88	0.83	[0.45 - 1.39]
Leukemia & aleukemia (204-208)	29	34.69	0.84	[0.56 - 1.20]
Lymphoid leukemia (204)	8	8.66	0.92	[0.40 - 1.82]
Myeloid leukemia (205)	11	14.75	0.75	[0.37 - 1.33]
BENIGN NEOPLASMS (210-239)	17	18.22	0.93	[0.54 - 1.49]
DIS. OF ENDOCRINE SYSTEM & BLOOD (240-289)	44	70.94	0.62	[0.45 - 0.83]
MENTAL DISORDERS (290-319)	32	48.77	0.66	[0.45 - 0.93]
DIS. OF NERVOUS SYSTEM (320-389)	50	60.88	0.82	[0.61 - 1.08]
DIS. OF CIRCULATORY SYSTEM (390-459)	1799	1934.2	0.93	[0.89 - 0.97]
Hypertension (401-405)	34	42.36	0.80	[0.56 - 1.12]
Ischaemic heart disease (410-414)	1174	1242.9	0.94	[0.89 - 1.00]
Cerebrovascular (430-438)	295	351.64	0.84	[0.75 - 0.94]
Other heart diseases (4150,4152-4299)	102	159.48	0.64	[0.52 - 0.78]
DIS. OF RESPIRATORY SYSTEM (460-519)	202	273.9	0.74	[0.64 - 0.85]
Influenza (487)	0	8.12	0.00	[0.00 - 0.45]
Pneumonia (480-486)	79	118.27	0.67	[0.53 - 0.83]
Bronchitis,emphysema & asthma (490-493)	79	96.01	0.82	[0.65 - 1.03]
Pneumoconioses (500-508)	1	3.68	0.27	[0.01 - 1.52]
DIS. OF DIGESTIVE SYSTEM (520-579)	117	152.09	0.77	[0.64 - 0.92]
Liver cirrhosis (571)	54	58.95	0.92	[0.69 - 1.20]
DIS. OF GENITO-URINARY SYSTEM (580-629)	47	56.28	0.84	[0.61 - 1.11]
Nephritis & nephrosis (580-589)	11	25.91	0.42	[0.21 - 0.76]
DIS. OF THE SKIN (680-739)	7	13.9	0.50	[0.20 - 1.04]
SYMPTOMS AND ILL-DEFINED CONDITIONS (780-799)	95	135.94	0.70	[0.57 - 0.85]
EXTERNAL CAUSES (E800-999)	393	520.96	0.75	[0.68 - 0.83]
Traffic accident (E810-819)	76	106.81	0.71	[0.56 - 0.89]
Suicide (E950-959)	95	152.62	0.62	[0.50 - 0.76]
Homicide (E960-969)	10	17.95	0.56	[0.27 - 1.02]
Other external causes (E800-807,E820-949,E970-999)	212	243.58	0.87	[0.76 - 1.00]
UNKNOWN CAUSES	16			
OTHER CAUSES	71			

Table 2.11.12
Mortality by cause

TOTAL COHORT

Ever highly exposed to SOLD (nonchlorinated organic solvent, dermal)

Men

Causes of death (ICD 9th.revision)	Observed	Expected	SMR	95% Confidence intervals
ALL CAUSES	3754	4234.89	0.89	[0.86 - 0.92]
ALL MALIGNANT NEOPLASMS (140-208)	936	975.47	0.96	[0.90 - 1.02]
Oral cavity & pharynx (140-149)	21	24.17	0.87	[0.54 - 1.33]
Oral cavity (141,143-145)	10	9.67	1.03	[0.50 - 1.90]
Nasopharynx (147)	1	1.77	0.57	[0.01 - 3.15]
Oesophagus (150)	21	25.63	0.82	[0.51 - 1.25]
Stomach (151)	90	98.36	0.91	[0.74 - 1.12]
Colon (153)	69	64.46	1.07	[0.83 - 1.35]
Rectum (154)	38	44	0.86	[0.61 - 1.19]
Liver (155)	15	19.25	0.78	[0.44 - 1.28]
Gallbladder (156)	6	7.33	0.82	[0.30 - 1.78]
Pancreas (157)	34	50.69	0.67	[0.46 - 0.94]
Peritoneum and other unspecified organs(158-159)	3	4.46	0.67	[0.14 - 1.96]
Nose & sinuses (160)	5	3.36	1.49	[0.48 - 3.47]
Larynx (161)	8	13.08	0.61	[0.26 - 1.21]
Lung (162)	262	248.45	1.05	[0.93 - 1.19]
Pleura (163)	12	4.36	2.75	[1.42 - 4.81]
Other respiratory organs (164-165)	6	2.44	2.46	[0.90 - 5.35]
Bone (170)	0	4.3	0.00	[0.00 - 0.86]
Soft tissue (171)	4	4.46	0.90	[0.24 - 2.30]
Melanoma (172)	15	17.56	0.85	[0.48 - 1.41]
Other skin (173)	3	2.83	1.06	[0.22 - 3.10]
Breast (174-175)	0	0.89	0.00	[0.00 - 4.16]
Cervix uteri (180)	0	-	-	-
Corpus uteri & uterus unspecified (179,181-182)	0	-	-	-
Ovary (183)	0	-	-	-
Other female genital organs (184)	0	-	-	-
Prostate (185)	76	90.71	0.84	[0.66 - 1.05]
Testis (186)	6	5.86	1.02	[0.38 - 2.23]
Other male genital organs (187)	2	1.23	1.63	[0.20 - 5.89]
Bladder (188)	40	32.41	1.23	[0.88 - 1.68]
Kidney (189)	26	28.87	0.90	[0.59 - 1.32]
Eye (190)	3	1.53	1.96	[0.41 - 5.74]
Brain (191-192)	33	30.17	1.09	[0.75 - 1.54]
Thyroid (193)	4	2.6	1.54	[0.42 - 3.94]
Other endocrine glands (194)	2	1.45	1.38	[0.17 - 4.97]
Ill defined (195,199)	50	45.1	1.11	[0.82 - 1.46]
Lymphatic & hematopoietic tissue (200-208)	69	84.4	0.82	[0.64 - 1.03]
Non-Hodgkins lymphoma (200,202)	18	25.11	0.72	[0.42 - 1.13]
Hodgkins disease (201)	9	8.41	1.07	[0.49 - 2.03]
Multiple myeloma (203)	14	16.31	0.86	[0.47 - 1.44]
Leukemia & aleukemia (204-208)	28	33.62	0.83	[0.55 - 1.20]
Lymphoid leukemia (204)	7	8.42	0.83	[0.33 - 1.71]
Myeloid leukemia (205)	11	14.25	0.77	[0.39 - 1.38]
BENIGN NEOPLASMS (210-239)	16	17.51	0.91	[0.52 - 1.48]
DIS. OF ENDOCRINE SYSTEM & BLOOD (240-289)	43	68.24	0.63	[0.46 - 0.85]
MENTAL DISORDERS (290-319)	32	46.44	0.69	[0.47 - 0.97]
DIS. OF NERVOUS SYSTEM (320-389)	47	58.73	0.80	[0.59 - 1.06]
DIS. OF CIRCULATORY SYSTEM (390-459)	1753	1878.67	0.93	[0.89 - 0.98]
Hypertension (401-405)	33	40.46	0.82	[0.56 - 1.15]
Ischaemic heart disease (410-414)	1153	1216.26	0.95	[0.89 - 1.00]
Cerebrovascular (430-438)	284	335.27	0.85	[0.75 - 0.95]
Other heart diseases (4150,4152-4299)	97	153.57	0.63	[0.51 - 0.77]
DIS. OF RESPIRATORY SYSTEM (460-519)	196	266.32	0.74	[0.64 - 0.85]
Influenza (487)	0	7.74	0.00	[0.00 - 0.48]
Pneumonia (480-486)	75	113.5	0.66	[0.52 - 0.83]
Bronchitis,emphysema & asthma (490-493)	77	94.44	0.82	[0.64 - 1.02]
Pneumoconioses (500-508)	1	3.65	0.27	[0.01 - 1.53]
DIS. OF DIGESTIVE SYSTEM (520-579)	116	148.08	0.78	[0.65 - 0.94]
Liver cirrhosis (571)	54	58.09	0.93	[0.70 - 1.21]
DIS. OF GENITO-URINARY SYSTEM (580-629)	43	54.15	0.79	[0.57 - 1.07]
Nephritis & nephrosis (580-589)	10	25.11	0.40	[0.19 - 0.73]
DIS. OF THE SKIN (680-739)	7	12.79	0.55	[0.22 - 1.13]
SYMPTOMS AND ILL-DEFINED CONDITIONS (780-799)	95	134.12	0.71	[0.57 - 0.87]
EXTERNAL CAUSES (E800-999)	383	513.73	0.75	[0.67 - 0.82]
Traffic accident (E810-819)	75	105.3	0.71	[0.56 - 0.89]
Suicide (E950-959)	93	150.44	0.62	[0.50 - 0.76]
Homicide (E960-969)	10	17.69	0.57	[0.27 - 1.04]
Other external causes (E800-807,E820-949,E970-999)	205	240.31	0.85	[0.74 - 0.98]
UNKNOWN CAUSES	16			
OTHER CAUSES	71			

Table 2.11.12
Mortality by cause

TOTAL COHORT

Ever highly exposed to SOLD (nonchlorinated organic solvHLt, dermal)

Women

Causes of death (ICD 9th.revision)	Observed	Expected	SMR	95% Confidence intervals
ALL CAUSES	108	120.67	0.89	[0.73 - 1.08]
ALL MALIGNANT NEOPLASMS (140-208)	36	31.21	1.15	[0.81 - 1.60]
Oral cavity & pharynx (140-149)	1	0.33	3.07	[0.08 - 17.1]
Oral cavity (141,143-145)	1	0.16	6.30	[0.16 - 35.1]
Nasopharynx (147)	0	0.03	0.00	[0.00 - 0.142]
Oesophagus (150)	0	0.46	0.00	[0.00 - 8.02]
Stomach (151)	3	2.7	1.11	[0.23 - 3.24]
Colon (153)	3	2.29	1.31	[0.27 - 3.82]
Rectum (154)	3	1.24	2.41	[0.50 - 7.05]
Liver (155)	1	0.62	1.60	[0.04 - 8.94]
Gallbladder (156)	0	0.67	0.00	[0.00 - 5.50]
Pancreas (157)	3	1.77	1.70	[0.35 - 4.96]
Peritoneum and other unspecified organs(158-159)	0	0.25	0.00	[0.00 - 14.5]
Nose & sinuses (160)	0	0.06	0.00	[0.00 - 63.3]
Larynx (161)	0	0.04	0.00	[0.00 - 82.8]
Lung (162)	6	2.26	2.66	[0.98 - 5.79]
Pleura (163)	1	0.06	17.10	[0.43 - 95.4]
Other respiratory organs (164-165)	0	0.05	0.00	[0.00 - 77.9]
Bone (170)	0	0.11	0.00	[0.00 - 33.2]
Soft tissue (171)	0	0.16	0.00	[0.00 - 23.1]
Melanoma (172)	0	0.47	0.00	[0.00 - 7.91]
Other skin (173)	0	0.08	0.00	[0.00 - 46.8]
Breast (174-175)	4	5.69	0.70	[0.19 - 1.80]
Cervix uteri (180)	0	1.41	0.00	[0.00 - 2.62]
Corpus uteri & uterus unspecified (179,181-182)	1	1.05	0.95	[0.02 - 5.31]
Ovary (183)	2	2.32	0.86	[0.10 - 3.11]
Other female genital organs (184)	0	0.27	0.00	[0.00 - 13.8]
Prostate (185)	0	-	-	-
Testis (186)	0	-	-	-
Other male genital organs (187)	0	-	-	-
Bladder (188)	1	0.4	2.47	[0.06 - 13.8]
Kidney (189)	1	0.76	1.31	[0.03 - 7.31]
Eye (190)	0	0.06	0.00	[0.00 - 61.8]
Brain (191-192)	0	0.87	0.00	[0.00 - 4.22]
Thyroid (193)	0	0.22	0.00	[0.00 - 17.1]
Other endocrine glands (194)	0	0.06	0.00	[0.00 - 66.5]
Ill defined (195,199)	3	1.46	2.06	[0.43 - 6.02]
Lymphatic & hematopoietic tissue (200-208)	1	2.69	0.37	[0.01 - 2.07]
Non-Hodgkins lymphoma (200,202)	0	0.82	0.00	[0.00 - 4.52]
Hodgkins disease (201)	0	0.21	0.00	[0.00 - 17.2]
Multiple myeloma (203)	0	0.57	0.00	[0.00 - 6.44]
Leukemia & aleukemia (204-208)	1	1.07	0.94	[0.02 - 5.22]
Lymphoid leukemia (204)	1	0.24	4.22	[0.11 - 23.5]
Myeloid leukemia (205)	0	0.5	0.00	[0.00 - 7.45]
BENIGN NEOPLASMS (210-239)	1	0.71	1.41	[0.04 - 7.87]
DIS. OF ENDOCRINE SYSTEM & BLOOD (240-289)	1	2.71	0.37	[0.01 - 2.06]
MENTAL DISORDERS (290-319)	0	2.33	0.00	[0.00 - 1.58]
DIS. OF NERVOUS SYSTEM (320-389)	3	2.16	1.39	[0.29 - 4.07]
DIS. OF CIRCULATORY SYSTEM (390-459)	46	55.53	0.83	[0.61 - 1.10]
Hypertension (401-405)	1	1.9	0.53	[0.01 - 2.94]
Ischaemic heart disease (410-414)	21	26.64	0.79	[0.49 - 1.21]
Cerebrovascular (430-438)	11	16.37	0.67	[0.34 - 1.20]
Other heart diseases (4150,4152-4299)	5	5.91	0.85	[0.27 - 1.97]
DIS. OF RESPIRATORY SYSTEM (460-519)	6	7.59	0.79	[0.29 - 1.72]
Influenza (487)	0	0.38	0.00	[0.00 - 9.82]
Pneumonia (480-486)	4	4.78	0.84	[0.23 - 2.14]
Bronchitis,emphysema & asthma (490-493)	2	1.56	1.28	[0.16 - 4.63]
Pneumoconioses (500-508)	0	0.03	0.00	[0.00 - 0.141]
DIS. OF DIGESTIVE SYSTEM (520-579)	1	4.01	0.25	[0.01 - 1.39]
Liver cirrhosis (571)	0	0.86	0.00	[0.00 - 4.27]
DIS. OF GENITO-URINARY SYSTEM (580-629)	4	2.13	1.88	[0.51 - 4.80]
Nephritis & nephrosis (580-589)	1	0.8	1.25	[0.03 - 6.97]
DIS. OF THE SKIN (680-739)	0	1.11	0.00	[0.00 - 3.32]
SYMPTOMS AND ILL-DEFINED CONDITIONS (780-799)	0	1.82	0.00	[0.00 - 2.03]
EXTERNAL CAUSES (E800-999)	10	7.23	1.38	[0.66 - 2.54]
Traffic accident (E810-819)	1	1.51	0.66	[0.02 - 3.69]
Suicide (E950-959)	2	2.18	0.92	[0.11 - 3.31]
Homicide (E960-969)	0	0.27	0.00	[0.00 - 13.7]
Other external causes (E800-807,E820-949,E970-999)	7	3.27	2.14	[0.86 - 4.42]
UNKNOWN CAUSES	0			
OTHER CAUSES	0			

Table 2.11.13
Mortality by cause

TOTAL COHORT

Ever highly exposed to SOLI (nonchlorinated organic solvent, inhalatory)

Causes of death (ICD 9th.revision)	Observed	Expected	SMR	95% Confidence intervals
ALL CAUSES	4389	4887.4	0.90	[0.87 - 0.92]
ALL MALIGNANT NEOPLASMS (140-208)	1089	1134.51	0.96	[0.90 - 1.02]
Oral cavity & pharynx (140-149)	23	27.32	0.84	[0.53 - 1.26]
Oral cavity (141,143-145)	10	11.08	0.90	[0.43 - 1.66]
Nasopharynx (147)	1	2.01	0.50	[0.01 - 2.78]
Oesophagus (150)	21	28.8	0.73	[0.45 - 1.11]
Stomach (151)	101	114.26	0.88	[0.72 - 1.07]
Colon (153)	87	75.77	1.15	[0.92 - 1.42]
Rectum (154)	50	51.48	0.97	[0.72 - 1.28]
Liver (155)	18	21.56	0.83	[0.49 - 1.32]
Gallbladder (156)	5	8.92	0.56	[0.18 - 1.31]
Pancreas (157)	40	59.49	0.67	[0.48 - 0.92]
Peritoneum and other unspecified organs(158-159)	3	5.09	0.59	[0.12 - 1.72]
Nose & sinuses (160)	5	3.9	1.28	[0.42 - 2.99]
Larynx (161)	8	14.44	0.55	[0.24 - 1.09]
Lung (162)	290	276.86	1.05	[0.93 - 1.18]
Pleura (163)	15	5.04	2.98	[1.67 - 4.91]
Other respiratory organs (164-165)	6	2.73	2.20	[0.81 - 4.79]
Bone (170)	0	4.81	0.00	[0.00 - 0.77]
Soft tissue (171)	7	5.21	1.34	[0.54 - 2.77]
Melanoma (172)	20	20.23	0.99	[0.60 - 1.53]
Other skin (173)	3	3.25	0.92	[0.19 - 2.70]
Breast (174-175)	5	8.78	0.57	[0.18 - 1.33]
Cervix uteri (180)	0	1.75	0.00	[0.00 - 2.11]
Corpus uteri & uterus unspecified (179,181-182)	1	1.47	0.68	[0.02 - 3.78]
Ovary (183)	4	3.03	1.32	[0.36 - 3.38]
Other female genital organs (184)	0	0.34	0.00	[0.00 - 10.7]
Prostate (185)	85	104.7	0.81	[0.65 - 1.00]
Testis (186)	6	6.49	0.92	[0.34 - 2.01]
Other male genital organs (187)	3	1.39	2.15	[0.44 - 6.30]
Bladder (188)	46	37.6	1.22	[0.90 - 1.63]
Kidney (189)	30	33.68	0.89	[0.60 - 1.27]
Eye (190)	3	1.82	1.65	[0.34 - 4.82]
Brain (191-192)	36	34.84	1.03	[0.72 - 1.43]
Thyroid (193)	4	3.23	1.24	[0.34 - 3.17]
Other endocrine glands (194)	2	1.69	1.18	[0.14 - 4.28]
Ill defined (195,199)	59	53.98	1.09	[0.83 - 1.41]
Lymphatic & hematopoietic tissue (200-208)	86	98.4	0.87	[0.70 - 1.08]
Non-Hodgkins lymphoma (200,202)	23	29.24	0.79	[0.50 - 1.18]
Hodgkins disease (201)	12	9.66	1.24	[0.64 - 2.17]
Multiple myeloma (203)	16	19.46	0.82	[0.47 - 1.34]
Leukemia & aleukemia (204-208)	35	39.08	0.90	[0.62 - 1.25]
Lymphoid leukemia (204)	9	9.76	0.92	[0.42 - 1.75]
Myeloid leukemia (205)	13	16.65	0.78	[0.42 - 1.34]
BENIGN NEOPLASMS (210-239)	22	20.84	1.06	[0.66 - 1.60]
DIS. OF ENDOCRINE SYSTEM & BLOOD (240-289)	50	79.17	0.63	[0.47 - 0.83]
MENTAL DISORDERS (290-319)	36	54.19	0.66	[0.47 - 0.92]
DIS. OF NERVOUS SYSTEM (320-389)	58	68.9	0.84	[0.64 - 1.09]
DIS. OF CIRCULATORY SYSTEM (390-459)	2054	2176.21	0.94	[0.90 - 0.99]
Hypertension (401-405)	39	48.15	0.81	[0.58 - 1.11]
Ischaemic heart disease (410-414)	1338	1396.85	0.96	[0.91 - 1.01]
Cerebrovascular (430-438)	346	397.47	0.87	[0.78 - 0.97]
Other heart diseases (4150,4152-4299)	116	178.65	0.65	[0.54 - 0.78]
DIS. OF RESPIRATORY SYSTEM (460-519)	245	307.87	0.80	[0.70 - 0.90]
Influenza (487)	1	9.12	0.11	[0.00 - 0.61]
Pneumonia (480-486)	95	134.68	0.71	[0.57 - 0.86]
Bronchitis,emphysema & asthma (490-493)	100	107.82	0.93	[0.75 - 1.13]
Pneumoconioses (500-508)	1	4	0.25	[0.01 - 1.39]
DIS. OF DIGESTIVE SYSTEM (520-579)	135	169.57	0.80	[0.67 - 0.94]
Liver cirrhosis (571)	63	65.41	0.96	[0.74 - 1.23]
DIS. OF GENITO-URINARY SYSTEM (580-629)	51	63.34	0.81	[0.60 - 1.06]
Nephritis & nephrosis (580-589)	13	28.94	0.45	[0.24 - 0.77]
DIS. OF THE SKIN (680-739)	7	15.89	0.44	[0.18 - 0.91]
SYMPTOMS AND ILL-DEFINED CONDITIONS (780-799)	122	159.29	0.77	[0.64 - 0.91]
EXTERNAL CAUSES (E800-999)	425	568.34	0.75	[0.68 - 0.82]
Traffic accident (E810-819)	83	115.3	0.72	[0.57 - 0.89]
Suicide (E950-959)	100	167.21	0.60	[0.49 - 0.73]
Homicide (E960-969)	11	18.84	0.58	[0.29 - 1.04]
Other external causes (E800-807,E820-949,E970-999)	231	267	0.87	[0.76 - 0.98]
UNKNOWN CAUSES	15			
OTHER CAUSES	80			

Table 2.11.13
Mortality by cause

TOTAL COHORT

Ever highly exposed to SOLI (nonchlorinated organic solvent, inhalatory)

Men

Causes of death (ICD 9th.revision)	Observed	Expected	SMR	95% Confidence intervals
ALL CAUSES	4258	4737.28	0.90	[0.87 - 0.93]
ALL MALIGNANT NEOPLASMS (140-208)	1044	1093.89	0.95	[0.90 - 1.01]
Oral cavity & pharynx (140-149)	22	26.88	0.82	[0.51 - 1.24]
Oral cavity (141,143-145)	9	10.87	0.83	[0.38 - 1.57]
Nasopharynx (147)	1	1.97	0.51	[0.01 - 2.83]
Oesophagus (150)	21	28.24	0.74	[0.46 - 1.14]
Stomach (151)	97	111.05	0.87	[0.71 - 1.07]
Colon (153)	83	72.76	1.14	[0.91 - 1.41]
Rectum (154)	47	49.93	0.94	[0.69 - 1.25]
Liver (155)	17	20.77	0.82	[0.48 - 1.31]
Gallbladder (156)	5	8.08	0.62	[0.20 - 1.44]
Pancreas (157)	37	57.31	0.65	[0.45 - 0.89]
Peritoneum and other unspecified organs(158-159)	3	4.67	0.64	[0.13 - 1.88]
Nose & sinuses (160)	5	3.82	1.31	[0.43 - 3.06]
Larynx (161)	8	14.37	0.56	[0.24 - 1.10]
Lung (162)	284	273.96	1.04	[0.92 - 1.16]
Pleura (163)	13	4.95	2.63	[1.40 - 4.49]
Other respiratory organs (164-165)	6	2.66	2.25	[0.83 - 4.90]
Bone (170)	0	4.65	0.00	[0.00 - 0.79]
Soft tissue (171)	7	5	1.40	[0.56 - 2.88]
Melanoma (172)	19	19.63	0.97	[0.58 - 1.51]
Other skin (173)	3	3.15	0.95	[0.20 - 2.78]
Breast (174-175)	0	0.99	0.00	[0.00 - 3.72]
Cervix uteri (180)	0	-	-	-
Corpus uteri & uterus unspecified (179,181-182)	0	-	-	-
Ovary (183)	0	-	-	-
Other female genital organs (184)	0	-	-	-
Prostate (185)	85	104.7	0.81	[0.65 - 1.00]
Testis (186)	6	6.49	0.92	[0.34 - 2.01]
Other male genital organs (187)	3	1.39	2.15	[0.44 - 6.30]
Bladder (188)	45	37.08	1.21	[0.89 - 1.62]
Kidney (189)	28	32.72	0.86	[0.57 - 1.24]
Eye (190)	3	1.75	1.72	[0.35 - 5.02]
Brain (191-192)	36	33.69	1.07	[0.75 - 1.48]
Thyroid (193)	4	2.96	1.35	[0.37 - 3.46]
Other endocrine glands (194)	2	1.62	1.24	[0.15 - 4.47]
Ill defined (195,199)	56	51.93	1.08	[0.81 - 1.40]
Lymphatic & hematopoietic tissue (200-208)	84	94.95	0.88	[0.71 - 1.10]
Non-Hodgkins lymphoma (200,202)	23	28.2	0.82	[0.52 - 1.22]
Hodgkins disease (201)	12	9.38	1.28	[0.66 - 2.23]
Multiple myeloma (203)	16	18.75	0.85	[0.49 - 1.39]
Leukemia & aleukemia (204-208)	33	37.68	0.88	[0.60 - 1.23]
Lymphoid leukemia (204)	8	9.45	0.85	[0.37 - 1.67]
Myeloid leukemia (205)	12	15.99	0.75	[0.39 - 1.31]
BENIGN NEOPLASMS (210-239)	21	19.86	1.06	[0.65 - 1.62]
DIS. OF ENDOCRINE SYSTEM & BLOOD (240-289)	49	75.63	0.65	[0.48 - 0.86]
MENTAL DISORDERS (290-319)	36	51.38	0.70	[0.49 - 0.97]
DIS. OF NERVOUS SYSTEM (320-389)	55	66.08	0.83	[0.63 - 1.08]
DIS. OF CIRCULATORY SYSTEM (390-459)	1998	2111.29	0.95	[0.91 - 0.99]
Hypertension (401-405)	37	45.92	0.81	[0.57 - 1.11]
Ischaemic heart disease (410-414)	1311	1366.85	0.96	[0.91 - 1.01]
Cerebrovascular (430-438)	333	378.14	0.88	[0.79 - 0.98]
Other heart diseases (4150,4152-4299)	110	170.98	0.64	[0.53 - 0.78]
DIS. OF RESPIRATORY SYSTEM (460-519)	237	298.91	0.79	[0.70 - 0.90]
Influenza (487)	1	8.67	0.12	[0.00 - 0.64]
Pneumonia (480-486)	90	129.41	0.70	[0.56 - 0.85]
Bronchitis,emphysema & asthma (490-493)	97	105.87	0.92	[0.74 - 1.12]
Pneumoconioses (500-508)	1	3.96	0.25	[0.01 - 1.41]
DIS. OF DIGESTIVE SYSTEM (520-579)	134	163.79	0.82	[0.69 - 0.97]
Liver cirrhosis (571)	63	63.63	0.99	[0.76 - 1.27]
DIS. OF GENITO-URINARY SYSTEM (580-629)	47	60.83	0.77	[0.57 - 1.03]
Nephritis & nephrosis (580-589)	12	27.96	0.43	[0.22 - 0.75]
DIS. OF THE SKIN (680-739)	7	14.5	0.48	[0.19 - 0.99]
SYMPTOMS AND ILL-DEFINED CONDITIONS (780-799)	122	156.31	0.78	[0.65 - 0.93]
EXTERNAL CAUSES (E800-999)	413	558.24	0.74	[0.67 - 0.81]
Traffic accident (E810-819)	82	113.19	0.72	[0.58 - 0.90]
Suicide (E950-959)	98	164.03	0.60	[0.49 - 0.73]
Homicide (E960-969)	11	18.48	0.60	[0.30 - 1.06]
Other external causes (E800-807,E820-949,E970-999)	222	262.54	0.85	[0.74 - 0.96]
UNKNOWN CAUSES	15			
OTHER CAUSES	80			

Table 2.11.13
Mortality by cause

TOTAL COHORT

Ever highly exposed to SOLI (nonchlorinated organic solvHLt, inhalatory)

Women

Causes of death (ICD 9th.revision)	Observed	Expected	SMR	95% Confidence intervals
ALL CAUSES	131	150.12	0.87	[0.73 - 1.04]
ALL MALIGNANT NEOPLASMS (140-208)	45	40.62	1.11	[0.81 - 1.48]
Oral cavity & pharynx (140-149)	1	0.44	2.29	[0.06 - 12.7]
Oral cavity (141,143-145)	1	0.21	4.83	[0.12 - 26.9]
Nasopharynx (147)	0	0.03	0.00	[0.00 - 0108]
Oesophagus (150)	0	0.56	0.00	[0.00 - 6.59]
Stomach (151)	4	3.21	1.25	[0.34 - 3.19]
Colon (153)	4	3.01	1.33	[0.36 - 3.41]
Rectum (154)	3	1.55	1.93	[0.40 - 5.64]
Liver (155)	1	0.79	1.27	[0.03 - 7.10]
Gallbladder (156)	0	0.84	0.00	[0.00 - 4.42]
Pancreas (157)	3	2.17	1.38	[0.28 - 4.04]
Peritoneum and other unspecified organs(158-159)	0	0.42	0.00	[0.00 - 8.82]
Nose & sinuses (160)	0	0.08	0.00	[0.00 - 46.7]
Larynx (161)	0	0.07	0.00	[0.00 - 50.3]
Lung (162)	6	2.9	2.07	[0.76 - 4.51]
Pleura (163)	2	0.09	22.40	[2.71 - 80.8]
Other respiratory organs (164-165)	0	0.07	0.00	[0.00 - 56.6]
Bone (170)	0	0.16	0.00	[0.00 - 23.6]
Soft tissue (171)	0	0.21	0.00	[0.00 - 17.8]
Melanoma (172)	1	0.6	1.68	[0.04 - 9.34]
Other skin (173)	0	0.1	0.00	[0.00 - 35.8]
Breast (174-175)	5	7.79	0.64	[0.21 - 1.50]
Cervix uteri (180)	0	1.75	0.00	[0.00 - 2.11]
Corpus uteri & uterus unspecified (179,181-182)	1	1.47	0.68	[0.02 - 3.78]
Ovary (183)	4	3.03	1.32	[0.36 - 3.38]
Other female genital organs (184)	0	0.34	0.00	[0.00 - 10.7]
Prostate (185)	0	-	-	-
Testis (186)	0	-	-	-
Other male genital organs (187)	0	-	-	-
Bladder (188)	1	0.51	1.95	[0.05 - 10.9]
Kidney (189)	2	0.96	2.07	[0.25 - 7.49]
Eye (190)	0	0.07	0.00	[0.00 - 49.4]
Brain (191-192)	0	1.15	0.00	[0.00 - 3.22]
Thyroid (193)	0	0.27	0.00	[0.00 - 13.6]
Other endocrine glands (194)	0	0.07	0.00	[0.00 - 50.4]
Ill defined (195,199)	3	2.05	1.46	[0.30 - 4.28]
Lymphatic & hematopoietic tissue (200-208)	2	3.44	0.58	[0.07 - 2.10]
Non-Hodgkins lymphoma (200,202)	0	1.04	0.00	[0.00 - 3.56]
Hodgkins disease (201)	0	0.28	0.00	[0.00 - 13.4]
Multiple myeloma (203)	0	0.71	0.00	[0.00 - 5.18]
Leukemia & aleukemia (204-208)	2	1.4	1.43	[0.17 - 5.15]
Lymphoid leukemia (204)	1	0.31	3.25	[0.08 - 18.1]
Myeloid leukemia (205)	1	0.66	1.52	[0.04 - 8.46]
BENIGN NEOPLASMS (210-239)	1	0.98	1.02	[0.03 - 5.66]
DIS. OF ENDOCRINE SYSTEM & BLOOD (240-289)	1	3.54	0.28	[0.01 - 1.58]
MENTAL DISORDERS (290-319)	0	2.82	0.00	[0.00 - 1.31]
DIS. OF NERVOUS SYSTEM (320-389)	3	2.83	1.06	[0.22 - 3.10]
DIS. OF CIRCULATORY SYSTEM (390-459)	56	64.92	0.86	[0.65 - 1.12]
Hypertension (401-405)	2	2.22	0.90	[0.11 - 3.25]
Ischaemic heart disease (410-414)	27	30	0.90	[0.59 - 1.31]
Cerebrovascular (430-438)	13	19.33	0.67	[0.36 - 1.15]
Other heart diseases (4150,4152-4299)	6	7.66	0.78	[0.29 - 1.70]
DIS. OF RESPIRATORY SYSTEM (460-519)	8	8.96	0.89	[0.39 - 1.76]
Influenza (487)	0	0.46	0.00	[0.00 - 8.10]
Pneumonia (480-486)	5	5.27	0.95	[0.31 - 2.21]
Bronchitis,emphysema & asthma (490-493)	3	1.95	1.53	[0.32 - 4.49]
Pneumoconioses (500-508)	0	0.05	0.00	[0.00 - 81.6]
DIS. OF DIGESTIVE SYSTEM (520-579)	1	5.78	0.17	[0.00 - 0.96]
Liver cirrhosis (571)	0	1.78	0.00	[0.00 - 2.07]
DIS. OF GENITO-URINARY SYSTEM (580-629)	4	2.51	1.59	[0.43 - 4.07]
Nephritis & nephrosis (580-589)	1	0.98	1.02	[0.03 - 5.67]
DIS. OF THE SKIN (680-739)	0	1.4	0.00	[0.00 - 2.64]
SYMPTOMS AND ILL-DEFINED CONDITIONS (780-799)	0	2.97	0.00	[0.00 - 1.24]
EXTERNAL CAUSES (E800-999)	12	10.09	1.19	[0.61 - 2.08]
Traffic accident (E810-819)	1	2.11	0.47	[0.01 - 2.65]
Suicide (E950-959)	2	3.18	0.63	[0.08 - 2.27]
Homicide (E960-969)	0	0.35	0.00	[0.00 - 10.4]
Other external causes (E800-807,E820-949,E970-999)	9	4.46	2.02	[0.92 - 3.83]
UNKNOWN CAUSES	0			
OTHER CAUSES	0			

Table 2.11.14
Mortality by cause

TOTAL COHORT

Ever highly exposed to SULP (reduced sulfure compounds)

Causes of death (ICD 9th.revision)	Observed	Expected	SMR	95% Confidence intervals
ALL CAUSES	2327	2851.31	0.82	[0.78 - 0.85]
ALL MALIGNANT NEOPLASMS (140-208)	514	631.61	0.81	[0.74 - 0.89]
Oral cavity & pharynx (140-149)	9	14.88	0.60	[0.28 - 1.15]
Oral cavity (141,143-145)	4	5.5	0.73	[0.20 - 1.86]
Nasopharynx (147)	0	0.93	0.00	[0.00 - 3.96]
Oesophagus (150)	7	16.08	0.44	[0.17 - 0.90]
Stomach (151)	70	69.91	1.00	[0.78 - 1.27]
Colon (153)	27	38.03	0.71	[0.47 - 1.03]
Rectum (154)	19	25.78	0.74	[0.44 - 1.15]
Liver (155)	12	15.08	0.80	[0.41 - 1.39]
Gallbladder (156)	5	5.94	0.84	[0.27 - 1.96]
Pancreas (157)	30	33.71	0.89	[0.60 - 1.27]
Peritoneum and other unspecified organs(158-159)	2	3.74	0.53	[0.06 - 1.93]
Nose & sinuses (160)	1	2.1	0.48	[0.01 - 2.65]
Larynx (161)	13	8.94	1.45	[0.77 - 2.49]
Lung (162)	136	156.23	0.87	[0.73 - 1.03]
Pleura (163)	5	2.41	2.07	[0.67 - 4.84]
Other respiratory organs (164-165)	2	1.61	1.24	[0.15 - 4.48]
Bone (170)	0	2.73	0.00	[0.00 - 1.35]
Soft tissue (171)	1	2.63	0.38	[0.01 - 2.12]
Melanoma (172)	5	8.77	0.57	[0.19 - 1.33]
Other skin (173)	2	1.92	1.04	[0.13 - 3.76]
Breast (174-175)	6	7.12	0.84	[0.31 - 1.83]
Cervix uteri (180)	1	1.79	0.56	[0.01 - 3.11]
Corpus uteri & uterus unspecified (179,181-182)	2	1.34	1.49	[0.18 - 5.39]
Ovary (183)	2	2.75	0.73	[0.09 - 2.62]
Other female genital organs (184)	1	0.31	3.24	[0.08 - 18.0]
Prostate (185)	43	60.3	0.71	[0.52 - 0.96]
Testis (186)	2	2.21	0.91	[0.11 - 3.27]
Other male genital organs (187)	0	0.68	0.00	[0.00 - 5.42]
Bladder (188)	13	19.22	0.68	[0.36 - 1.16]
Kidney (189)	11	17.58	0.63	[0.31 - 1.12]
Eye (190)	1	0.94	1.07	[0.03 - 5.96]
Brain (191-192)	14	16.12	0.87	[0.47 - 1.46]
Thyroid (193)	0	1.88	0.00	[0.00 - 1.97]
Other endocrine glands (194)	0	0.86	0.00	[0.00 - 4.29]
Ill defined (195,199)	26	24.66	1.05	[0.69 - 1.54]
Lymphatic & heamatopoieitic tissue (200-208)	38	52.73	0.72	[0.51 - 0.99]
Non-Hodgkins lymphoma (200,202)	11	15.26	0.72	[0.36 - 1.29]
Hodgkins disease (201)	5	4.92	1.02	[0.33 - 2.37]
Multiple myeloma (203)	9	10.16	0.89	[0.40 - 1.68]
Leukemia & aleukemia (204-208)	13	21.25	0.61	[0.33 - 1.05]
Lymphoid leukemia (204)	4	5.47	0.73	[0.20 - 1.87]
Myeloid leukemia (205)	5	8.41	0.59	[0.19 - 1.39]
BENIGN NEOPLASMS (210-239)	8	11.93	0.67	[0.29 - 1.32]
DIS. OF ENDOCRINE SYSTEM & BLOOD (240-289)	29	43.16	0.67	[0.45 - 0.97]
MENTAL DISORDERS (290-319)	16	34.29	0.47	[0.27 - 0.76]
DIS. OF NERVOUS SYSTEM (320-389)	24	38.03	0.63	[0.40 - 0.94]
DIS. OF CIRCULATORY SYSTEM (390-459)	1099	1318.36	0.83	[0.79 - 0.88]
Hypertension (401-405)	9	29.62	0.30	[0.14 - 0.58]
Ischaemic heart disease (410-414)	673	813.87	0.83	[0.77 - 0.89]
Cerebrovascular (430-438)	197	255.32	0.77	[0.67 - 0.89]
Other heart diseases (4150,4152-4299)	97	118.62	0.82	[0.66 - 1.00]
DIS. OF RESPIRATORY SYSTEM (460-519)	148	189.29	0.78	[0.66 - 0.92]
Influenza (487)	4	6.13	0.65	[0.18 - 1.67]
Pneumonia (480-486)	68	91.49	0.74	[0.58 - 0.94]
Bronchitis,emphysema & asthma (490-493)	49	61.53	0.80	[0.59 - 1.05]
Pneumoconioses (500-508)	2	2.61	0.76	[0.09 - 2.76]
DIS. OF DIGESTIVE SYSTEM (520-579)	75	100.36	0.75	[0.59 - 0.94]
Liver cirrhosis (571)	30	35.79	0.84	[0.57 - 1.20]
DIS. OF GENITO-URINARY SYSTEM (580-629)	29	40.3	0.72	[0.48 - 1.03]
Nephritis & nephrosis (580-589)	12	17.78	0.67	[0.35 - 1.18]
DIS. OF THE SKIN (680-739)	9	9.6	0.94	[0.43 - 1.78]
SYMPTOMS AND ILL-DEFINED CONDITIONS (780-799)	47	70.72	0.66	[0.49 - 0.88]
EXTERNAL CAUSES (E800-999)	259	320.54	0.81	[0.71 - 0.91]
Traffic accident (E810-819)	36	58.31	0.62	[0.43 - 0.85]
Suicide (E950-959)	55	93.92	0.59	[0.44 - 0.76]
Homicide (E960-969)	4	11.18	0.36	[0.10 - 0.92]
Other external causes (E800-807,E820-949,E970-999)	164	157.13	1.04	[0.89 - 1.22]
UNKNOWN CAUSES	17			
OTHER CAUSES	53			

Table 2.11.14
Mortality by cause

TOTAL COHORT

Ever highly exposed to SULP (reduced sulfure compounds)

Men

Causes of death (ICD 9th.revision)	Observed	Expected	SMR	95% Confidence intervals
ALL CAUSES	2226	2692.95	0.83	[0.79 - 0.86]
ALL MALIGNANT NEOPLASMS (140-208)	487	593.43	0.82	[0.75 - 0.90]
Oral cavity & pharynx (140-149)	9	14.48	0.62	[0.28 - 1.18]
Oral cavity (141,143-145)	4	5.33	0.75	[0.20 - 1.92]
Nasopharynx (147)	0	0.9	0.00	[0.00 - 4.10]
Oesophagus (150)	7	15.4	0.45	[0.18 - 0.94]
Stomach (151)	64	66.32	0.97	[0.74 - 1.23]
Colon (153)	27	35.86	0.75	[0.50 - 1.10]
Rectum (154)	17	24.33	0.70	[0.41 - 1.12]
Liver (155)	12	13.95	0.86	[0.44 - 1.50]
Gallbladder (156)	4	4.9	0.82	[0.22 - 2.09]
Pancreas (157)	29	31.31	0.93	[0.62 - 1.33]
Peritoneum and other unspecified organs(158-159)	2	3.33	0.60	[0.07 - 2.17]
Nose & sinuses (160)	1	2.04	0.49	[0.01 - 2.74]
Larynx (161)	13	8.88	1.46	[0.78 - 2.50]
Lung (162)	135	153.75	0.88	[0.74 - 1.04]
Pleura (163)	5	2.32	2.16	[0.70 - 5.04]
Other respiratory organs (164-165)	2	1.55	1.29	[0.16 - 4.65]
Bone (170)	0	2.57	0.00	[0.00 - 1.44]
Soft tissue (171)	1	2.44	0.41	[0.01 - 2.28]
Melanoma (172)	5	8.27	0.60	[0.20 - 1.41]
Other skin (173)	2	1.82	1.10	[0.13 - 3.97]
Breast (174-175)	0	0.49	0.00	[0.00 - 7.58]
Cervix uteri (180)	0	-	-	-
Corpus uteri & uterus unspecified (179,181-182)	0	-	-	-
Ovary (183)	0	-	-	-
Other female genital organs (184)	0	-	-	-
Prostate (185)	43	60.3	0.71	[0.52 - 0.96]
Testis (186)	2	2.21	0.91	[0.11 - 3.27]
Other male genital organs (187)	0	0.68	0.00	[0.00 - 5.42]
Bladder (188)	13	18.83	0.69	[0.37 - 1.18]
Kidney (189)	11	16.6	0.66	[0.33 - 1.19]
Eye (190)	1	0.86	1.16	[0.03 - 6.48]
Brain (191-192)	13	15	0.87	[0.46 - 1.48]
Thyroid (193)	0	1.59	0.00	[0.00 - 2.32]
Other endocrine glands (194)	0	0.79	0.00	[0.00 - 4.65]
Ill defined (195,199)	26	23.56	1.10	[0.72 - 1.62]
Lymphatic & heamatopoietic tissue (200-208)	36	49.24	0.73	[0.51 - 1.01]
Non-Hodgkins lymphoma (200,202)	11	14.22	0.77	[0.39 - 1.38]
Hodgkins disease (201)	3	4.63	0.65	[0.13 - 1.89]
Multiple myeloma (203)	9	9.49	0.95	[0.43 - 1.80]
Leukemia & aleukemia (204-208)	13	19.87	0.65	[0.35 - 1.12]
Lymphoid leukemia (204)	4	5.17	0.77	[0.21 - 1.98]
Myeloid leukemia (205)	5	7.81	0.64	[0.21 - 1.49]
BENIGN NEOPLASMS (210-239)	7	11.03	0.63	[0.26 - 1.31]
DIS. OF ENDOCRINE SYSTEM & BLOOD (240-289)	29	39.75	0.73	[0.49 - 1.05]
MENTAL DISORDERS (290-319)	16	30.03	0.53	[0.30 - 0.87]
DIS. OF NERVOUS SYSTEM (320-389)	24	35.03	0.69	[0.44 - 1.02]
DIS. OF CIRCULATORY SYSTEM (390-459)	1046	1242.67	0.84	[0.79 - 0.89]
Hypertension (401-405)	9	26.97	0.33	[0.15 - 0.63]
Ischaemic heart disease (410-414)	643	777.06	0.83	[0.76 - 0.89]
Cerebrovascular (430-438)	184	233.71	0.79	[0.68 - 0.91]
Other heart diseases (4150,4152-4299)	91	110.54	0.82	[0.66 - 1.01]
DIS. OF RESPIRATORY SYSTEM (460-519)	145	180.62	0.80	[0.68 - 0.94]
Influenza (487)	4	5.66	0.71	[0.19 - 1.81]
Pneumonia (480-486)	65	85.69	0.76	[0.59 - 0.97]
Bronchitis,emphysema & asthma (490-493)	49	59.91	0.82	[0.61 - 1.08]
Pneumoconioses (500-508)	2	2.57	0.78	[0.09 - 2.81]
DIS. OF DIGESTIVE SYSTEM (520-579)	75	94.98	0.79	[0.62 - 0.99]
Liver cirrhosis (571)	30	34.73	0.86	[0.58 - 1.23]
DIS. OF GENITO-URINARY SYSTEM (580-629)	24	37.22	0.64	[0.41 - 0.96]
Nephritis & nephrosis (580-589)	11	16.63	0.66	[0.33 - 1.18]
DIS. OF THE SKIN (680-739)	8	8.02	1.00	[0.43 - 1.97]
SYMPTOMS AND ILL-DEFINED CONDITIONS (780-799)	47	69.64	0.67	[0.50 - 0.90]
EXTERNAL CAUSES (E800-999)	249	310.42	0.80	[0.71 - 0.91]
Traffic accident (E810-819)	34	56.5	0.60	[0.42 - 0.84]
Suicide (E950-959)	54	90.9	0.59	[0.45 - 0.78]
Homicide (E960-969)	4	10.76	0.37	[0.10 - 0.95]
Other external causes (E800-807,E820-949,E970-999)	157	152.26	1.03	[0.88 - 1.21]
UNKNOWN CAUSES	17			
OTHER CAUSES	52			

**Table 2.11.14
Mortality by cause**

TOTAL COHORT

Ever highly exposed to SULP (reduced sulfure compounds)

Women

Causes of death (ICD 9th.revision)	Observed	Expected	SMR	95% Confidence intervals
ALL CAUSES	101	158.36	0.64	[0.52 - 0.77]
ALL MALIGNANT NEOPLASMS (140-208)	27	38.18	0.71	[0.47 - 1.03]
Oral cavity & pharynx (140-149)	0	0.4	0.00	[0.00 - 9.23]
Oral cavity (141,143-145)	0	0.17	0.00	[0.00 - 21.2]
Nasopharynx (147)	0	0.03	0.00	[0.00 - 0118]
Oesophagus (150)	0	0.69	0.00	[0.00 - 5.37]
Stomach (151)	6	3.59	1.67	[0.61 - 3.63]
Colon (153)	0	2.18	0.00	[0.00 - 1.70]
Rectum (154)	2	1.45	1.38	[0.17 - 4.98]
Liver (155)	0	1.13	0.00	[0.00 - 3.26]
Gallbladder (156)	1	1.04	0.96	[0.02 - 5.35]
Pancreas (157)	1	2.39	0.42	[0.01 - 2.33]
Peritoneum and other unspecified organs(158-159)	0	0.41	0.00	[0.00 - 8.97]
Nose & sinuses (160)	0	0.07	0.00	[0.00 - 56.6]
Larynx (161)	0	0.06	0.00	[0.00 - 64.0]
Lung (162)	1	2.47	0.40	[0.01 - 2.25]
Pleura (163)	0	0.1	0.00	[0.00 - 38.5]
Other respiratory organs (164-165)	0	0.06	0.00	[0.00 - 59.2]
Bone (170)	0	0.16	0.00	[0.00 - 22.7]
Soft tissue (171)	0	0.19	0.00	[0.00 - 19.9]
Melanoma (172)	0	0.5	0.00	[0.00 - 7.41]
Other skin (173)	0	0.1	0.00	[0.00 - 36.5]
Breast (174-175)	6	6.64	0.90	[0.33 - 1.97]
Cervix uteri (180)	1	1.79	0.56	[0.01 - 3.11]
Corpus uteri & uterus unspecified (179,181-182)	2	1.34	1.49	[0.18 - 5.39]
Ovary (183)	2	2.75	0.73	[0.09 - 2.62]
Other female genital organs (184)	1	0.31	3.24	[0.08 - 18.0]
Prostate (185)	0	-	-	-
Testis (186)	0	-	-	-
Other male genital organs (187)	0	-	-	-
Bladder (188)	0	0.39	0.00	[0.00 - 9.56]
Kidney (189)	0	0.97	0.00	[0.00 - 3.79]
Eye (190)	0	0.08	0.00	[0.00 - 48.4]
Brain (191-192)	1	1.13	0.89	[0.02 - 4.95]
Thyroid (193)	0	0.29	0.00	[0.00 - 12.8]
Other endocrine glands (194)	0	0.07	0.00	[0.00 - 55.7]
Ill defined (195,199)	0	1.11	0.00	[0.00 - 3.33]
Lymphatic & heamatopoietic tissue (200-208)	2	3.49	0.57	[0.07 - 2.07]
Non-Hodgkins lymphoma (200,202)	0	1.04	0.00	[0.00 - 3.53]
Hodgkins disease (201)	2	0.3	6.78	[0.82 - 24.5]
Multiple myeloma (203)	0	0.68	0.00	[0.00 - 5.45]
Leukemia & aleukemia (204-208)	0	1.38	0.00	[0.00 - 2.67]
Lymphoid leukemia (204)	0	0.3	0.00	[0.00 - 12.1]
Myeloid leukemia (205)	0	0.6	0.00	[0.00 - 6.16]
BENIGN NEOPLASMS (210-239)	1	0.9	1.11	[0.03 - 6.16]
DIS. OF ENDOCRINE SYSTEM & BLOOD (240-289)	0	3.41	0.00	[0.00 - 1.08]
MENTAL DISORDERS (290-319)	0	4.25	0.00	[0.00 - 0.87]
DIS. OF NERVOUS SYSTEM (320-389)	0	3	0.00	[0.00 - 1.23]
DIS. OF CIRCULATORY SYSTEM (390-459)	53	75.69	0.70	[0.52 - 0.92]
Hypertension (401-405)	0	2.65	0.00	[0.00 - 1.39]
Ischaemic heart disease (410-414)	30	36.81	0.82	[0.55 - 1.16]
Cerebrovascular (430-438)	13	21.6	0.60	[0.32 - 1.03]
Other heart diseases (4150,4152-4299)	6	8.08	0.74	[0.27 - 1.62]
DIS. OF RESPIRATORY SYSTEM (460-519)	3	8.67	0.35	[0.07 - 1.01]
Influenza (487)	0	0.48	0.00	[0.00 - 7.75]
Pneumonia (480-486)	3	5.8	0.52	[0.11 - 1.51]
Bronchitis,emphysema & asthma (490-493)	0	1.62	0.00	[0.00 - 2.28]
Pneumoconioses (500-508)	0	0.04	0.00	[0.00 - 90.5]
DIS. OF DIGESTIVE SYSTEM (520-579)	0	5.38	0.00	[0.00 - 0.69]
Liver cirrhosis (571)	0	1.06	0.00	[0.00 - 3.48]
DIS. OF GENITO-URINARY SYSTEM (580-629)	5	3.07	1.63	[0.53 - 3.80]
Nephritis & nephrosis (580-589)	1	1.15	0.87	[0.02 - 4.84]
DIS. OF THE SKIN (680-739)	1	1.58	0.63	[0.02 - 3.52]
SYMPTOMS AND ILL-DEFINED CONDITIONS (780-799)	0	1.08	0.00	[0.00 - 3.40]
EXTERNAL CAUSES (E800-999)	10	10.12	0.99	[0.47 - 1.82]
Traffic accident (E810-819)	2	1.8	1.11	[0.13 - 4.01]
Suicide (E950-959)	1	3.02	0.33	[0.01 - 1.84]
Homicide (E960-969)	0	0.42	0.00	[0.00 - 8.82]
Other external causes (E800-807,E820-949,E970-999)	7	4.87	1.44	[0.58 - 2.96]
UNKNOWN CAUSES	0			
OTHER CAUSES	1			

Table 2.11.15
Mortality by cause

TOTAL COHORT
Ever highly exposed to TALC

Causes of death (ICD 9th.revision)	Observed	Expected	SMR	95% Confidence intervals
ALL CAUSES	800	908.09	0.88	[0.82 - 0.94]
ALL MALIGNANT NEOPLASMS (140-208)	246	250.79	0.98	[0.86 - 1.11]
Oral cavity & pharynx (140-149)	5	10.68	0.47	[0.15 - 1.09]
Oral cavity (141,143-145)	2	4.03	0.50	[0.06 - 1.79]
Nasopharynx (147)	0	0.45	0.00	[0.00 - 8.19]
Oesophagus (150)	7	10.21	0.69	[0.28 - 1.41]
Stomach (151)	24	18.69	1.28	[0.82 - 1.91]
Colon (153)	12	15.86	0.76	[0.39 - 1.32]
Rectum (154)	6	9.36	0.64	[0.24 - 1.40]
Liver (155)	9	7.5	1.20	[0.55 - 2.28]
Gallbladder (156)	4	2.06	1.94	[0.53 - 4.98]
Pancreas (157)	7	10.83	0.65	[0.26 - 1.33]
Peritoneum and other unspecified organs(158-159)	1	2.44	0.41	[0.01 - 2.28]
Nose & sinuses (160)	1	1.8	0.56	[0.01 - 3.09]
Larynx (161)	11	6.97	1.58	[0.79 - 2.82]
Lung (162)	59	61.59	0.96	[0.73 - 1.24]
Pleura (163)	0	1.13	0.00	[0.00 - 3.27]
Other respiratory organs (164-165)	3	0.89	3.38	[0.70 - 9.89]
Bone (170)	1	1.44	0.69	[0.02 - 3.87]
Soft tissue (171)	1	0.92	1.08	[0.03 - 6.04]
Melanoma (172)	4	2.89	1.38	[0.38 - 3.54]
Other skin (173)	0	0.69	0.00	[0.00 - 5.31]
Breast (174-175)	9	8.67	1.04	[0.47 - 1.97]
Cervix uteri (180)	1	2.23	0.45	[0.01 - 2.49]
Corpus uteri & uterus unspecified (179,181-182)	2	1.08	1.85	[0.22 - 6.69]
Ovary (183)	8	2.96	2.70	[1.17 - 5.32]
Other female genital organs (184)	0	0.22	0.00	[0.00 - 16.6]
Prostate (185)	17	13.1	1.30	[0.76 - 2.08]
Testis (186)	0	1.11	0.00	[0.00 - 3.33]
Other male genital organs (187)	1	0.26	3.88	[0.10 - 21.6]
Bladder (188)	4	7.49	0.53	[0.15 - 1.37]
Kidney (189)	4	5.92	0.68	[0.18 - 1.73]
Eye (190)	0	0.27	0.00	[0.00 - 13.8]
Brain (191-192)	7	6.86	1.02	[0.41 - 2.10]
Thyroid (193)	0	0.63	0.00	[0.00 - 5.82]
Other endocrine glands (194)	0	0.34	0.00	[0.00 - 10.8]
Ill defined (195,199)	15	12.29	1.22	[0.68 - 2.01]
Lymphatic & hematopoietic tissue (200-208)	18	18.02	1.00	[0.59 - 1.58]
Non-Hodgkins lymphoma (200,202)	3	5.25	0.57	[0.12 - 1.67]
Hodgkins disease (201)	4	1.88	2.12	[0.58 - 5.44]
Multiple myeloma (203)	2	2.76	0.73	[0.09 - 2.62]
Leukemia & aleukemia (204-208)	9	7.91	1.14	[0.52 - 2.16]
Lymphoid leukemia (204)	0	1.94	0.00	[0.00 - 1.90]
Myeloid leukemia (205)	6	3.45	1.74	[0.64 - 3.78]
BENIGN NEOPLASMS (210-239)	7	5.18	1.35	[0.54 - 2.78]
DIS. OF ENDOCRINE SYSTEM & BLOOD (240-289)	11	17.29	0.64	[0.32 - 1.14]
MENTAL DISORDERS (290-319)	10	11.76	0.85	[0.41 - 1.56]
DIS. OF NERVOUS SYSTEM (320-389)	14	13.6	1.03	[0.56 - 1.73]
DIS. OF CIRCULATORY SYSTEM (390-459)	298	327.49	0.91	[0.81 - 1.02]
Hypertension (401-405)	7	7	1.00	[0.40 - 2.06]
Ischaemic heart disease (410-414)	176	182.6	0.96	[0.83 - 1.12]
Cerebrovascular (430-438)	58	69.14	0.84	[0.64 - 1.08]
Other heart diseases (4150,4152-4299)	34	38.76	0.88	[0.61 - 1.23]
DIS. OF RESPIRATORY SYSTEM (460-519)	28	55.87	0.50	[0.33 - 0.72]
Influenza (487)	0	1.65	0.00	[0.00 - 2.24]
Pneumonia (480-486)	7	18.43	0.38	[0.15 - 0.78]
Bronchitis,emphysema & asthma (490-493)	15	20.8	0.72	[0.40 - 1.19]
Pneumoconioses (500-508)	0	1.91	0.00	[0.00 - 1.93]
DIS. OF DIGESTIVE SYSTEM (520-579)	41	49.06	0.84	[0.60 - 1.13]
Liver cirrhosis (571)	26	27.4	0.95	[0.62 - 1.39]
DIS. OF GENITO-URINARY SYSTEM (580-629)	4	10.56	0.38	[0.10 - 0.97]
Nephritis & nephrosis (580-589)	2	5.31	0.38	[0.05 - 1.36]
DIS. OF THE SKIN (680-739)	1	3.17	0.32	[0.01 - 1.76]
SYMPTOMS AND ILL-DEFINED CONDITIONS (780-799)	12	29.62	0.41	[0.21 - 0.71]
EXTERNAL CAUSES (E800-999)	98	121.27	0.81	[0.66 - 0.98]
Traffic accident (E810-819)	24	27.43	0.88	[0.56 - 1.30]
Suicide (E950-959)	29	39.57	0.73	[0.49 - 1.05]
Homicide (E960-969)	2	2.61	0.77	[0.09 - 2.77]
Other external causes (E800-807,E820-949,E970-999)	43	51.67	0.83	[0.60 - 1.12]
UNKNOWN CAUSES	20			
OTHER CAUSES	10			

**Table 2.11.15
Mortality by cause**

TOTAL COHORT
Ever highly exposed to TALC
Men

Causes of death (ICD 9th.revision)	Observed	Expected	SMR	95% Confidence intervals
ALL CAUSES	690	796.06	0.87	[0.80 - 0.93]
ALL MALIGNANT NEOPLASMS (140-208)	194	212.39	0.91	[0.79 - 1.05]
Oral cavity & pharynx (140-149)	5	10.32	0.48	[0.16 - 1.13]
Oral cavity (141,143-145)	2	3.87	0.52	[0.06 - 1.87]
Nasopharynx (147)	0	0.42	0.00	[0.00 - 8.85]
Oesophagus (150)	7	9.77	0.72	[0.29 - 1.48]
Stomach (151)	20	16.84	1.19	[0.73 - 1.83]
Colon (153)	11	12.97	0.85	[0.42 - 1.52]
Rectum (154)	3	7.98	0.38	[0.08 - 1.10]
Liver (155)	9	6.85	1.31	[0.60 - 2.49]
Gallbladder (156)	3	1.58	1.90	[0.39 - 5.54]
Pancreas (157)	7	9.29	0.75	[0.30 - 1.55]
Peritoneum and other unspecified organs(158-159)	1	2.24	0.45	[0.01 - 2.49]
Nose & sinuses (160)	1	1.76	0.57	[0.01 - 3.17]
Larynx (161)	11	6.88	1.60	[0.80 - 2.86]
Lung (162)	45	56.96	0.79	[0.58 - 1.06]
Pleura (163)	0	1.07	0.00	[0.00 - 3.44]
Other respiratory organs (164-165)	3	0.83	3.62	[0.75 - 10.6]
Bone (170)	1	1.29	0.78	[0.02 - 4.32]
Soft tissue (171)	1	0.76	1.32	[0.03 - 7.34]
Melanoma (172)	3	2.29	1.31	[0.27 - 3.83]
Other skin (173)	0	0.61	0.00	[0.00 - 6.03]
Breast (174-175)	0	0.28	0.00	[0.00 - 13.0]
Cervix uteri (180)	0	-	-	-
Corpus uteri & uterus unspecified (179,181-182)	0	-	-	-
Ovary (183)	0	-	-	-
Other female genital organs (184)	0	-	-	-
Prostate (185)	17	13.1	1.30	[0.76 - 2.08]
Testis (186)	0	1.11	0.00	[0.00 - 3.33]
Other male genital organs (187)	1	0.26	3.88	[0.10 - 21.6]
Bladder (188)	3	6.96	0.43	[0.09 - 1.26]
Kidney (189)	4	5.17	0.77	[0.21 - 1.98]
Eye (190)	0	0.22	0.00	[0.00 - 17.1]
Brain (191-192)	4	5.61	0.71	[0.19 - 1.83]
Thyroid (193)	0	0.49	0.00	[0.00 - 7.51]
Other endocrine glands (194)	0	0.28	0.00	[0.00 - 13.3]
Ill defined (195,199)	14	10.5	1.33	[0.73 - 2.24]
Lymphatic & hematopoietic tissue (200-208)	15	15.25	0.98	[0.55 - 1.62]
Non-Hodgkins lymphoma (200,202)	3	4.48	0.67	[0.14 - 1.96]
Hodgkins disease (201)	3	1.58	1.90	[0.39 - 5.56]
Multiple myeloma (203)	2	2.33	0.86	[0.10 - 3.10]
Leukemia & aleukemia (204-208)	7	6.7	1.05	[0.42 - 2.15]
Lymphoid leukemia (204)	0	1.72	0.00	[0.00 - 2.15]
Myeloid leukemia (205)	5	2.88	1.74	[0.56 - 4.06]
BENIGN NEOPLASMS (210-239)	5	4.51	1.11	[0.36 - 2.58]
DIS. OF ENDOCRINE SYSTEM & BLOOD (240-289)	9	14.44	0.62	[0.28 - 1.18]
MENTAL DISORDERS (290-319)	10	10.73	0.93	[0.45 - 1.71]
DIS. OF NERVOUS SYSTEM (320-389)	12	11.4	1.05	[0.54 - 1.84]
DIS. OF CIRCULATORY SYSTEM (390-459)	261	288.66	0.90	[0.80 - 1.02]
Hypertension (401-405)	5	5.99	0.83	[0.27 - 1.95]
Ischaemic heart disease (410-414)	157	164.58	0.95	[0.81 - 1.12]
Cerebrovascular (430-438)	50	58.36	0.86	[0.64 - 1.13]
Other heart diseases (4150,4152-4299)	28	34.49	0.81	[0.54 - 1.17]
DIS. OF RESPIRATORY SYSTEM (460-519)	24	49.04	0.49	[0.31 - 0.73]
Influenza (487)	0	1.4	0.00	[0.00 - 2.63]
Pneumonia (480-486)	5	15.8	0.32	[0.10 - 0.74]
Bronchitis,emphysema & asthma (490-493)	13	18.16	0.72	[0.38 - 1.22]
Pneumoconioses (500-508)	0	1.88	0.00	[0.00 - 1.96]
DIS. OF DIGESTIVE SYSTEM (520-579)	39	44.58	0.87	[0.62 - 1.20]
Liver cirrhosis (571)	26	25.73	1.01	[0.66 - 1.48]
DIS. OF GENITO-URINARY SYSTEM (580-629)	3	8.71	0.34	[0.07 - 1.01]
Nephritis & nephrosis (580-589)	2	4.48	0.45	[0.05 - 1.61]
DIS. OF THE SKIN (680-739)	1	2.32	0.43	[0.01 - 2.40]
SYMPTOMS AND ILL-DEFINED CONDITIONS (780-799)	10	26.79	0.37	[0.18 - 0.69]
EXTERNAL CAUSES (E800-999)	94	111.94	0.84	[0.68 - 1.03]
Traffic accident (E810-819)	23	25.52	0.90	[0.57 - 1.35]
Suicide (E950-959)	28	36.11	0.78	[0.52 - 1.12]
Homicide (E960-969)	2	2.27	0.88	[0.11 - 3.18]
Other external causes (E800-807,E820-949,E970-999)	41	48.03	0.85	[0.61 - 1.16]
UNKNOWN CAUSES	18			
OTHER CAUSES	10			

Table 2.11.15
Mortality by cause

TOTAL COHORT
Ever highly exposed to TALC
Women

Causes of death (ICD 9th.revision)	Observed	Expected	SMR	95% Confidence intervals
ALL CAUSES	110	112.03	0.98	[0.81 - 1.18]
ALL MALIGNANT NEOPLASMS (140-208)	52	38.41	1.35	[1.01 - 1.78]
Oral cavity & pharynx (140-149)	0	0.36	0.00	[0.00 - 10.3]
Oral cavity (141,143-145)	0	0.16	0.00	[0.00 - 22.6]
Nasopharynx (147)	0	0.03	0.00	[0.00 - 0111]
Oesophagus (150)	0	0.44	0.00	[0.00 - 8.39]
Stomach (151)	4	1.85	2.16	[0.59 - 5.52]
Colon (153)	1	2.89	0.35	[0.01 - 1.93]
Rectum (154)	3	1.38	2.17	[0.45 - 6.35]
Liver (155)	0	0.64	0.00	[0.00 - 5.72]
Gallbladder (156)	1	0.47	2.11	[0.05 - 11.7]
Pancreas (157)	0	1.54	0.00	[0.00 - 2.40]
Peritoneum and other unspecified organs(158-159)	0	0.21	0.00	[0.00 - 17.9]
Nose & sinuses (160)	0	0.04	0.00	[0.00 - 87.6]
Larynx (161)	0	0.09	0.00	[0.00 - 38.9]
Lung (162)	14	4.63	3.02	[1.65 - 5.07]
Pleura (163)	0	0.05	0.00	[0.00 - 67.4]
Other respiratory organs (164-165)	0	0.06	0.00	[0.00 - 64.8]
Bone (170)	0	0.15	0.00	[0.00 - 24.5]
Soft tissue (171)	0	0.16	0.00	[0.00 - 22.6]
Melanoma (172)	1	0.6	1.66	[0.04 - 9.28]
Other skin (173)	0	0.08	0.00	[0.00 - 44.7]
Breast (174-175)	9	8.38	1.07	[0.49 - 2.04]
Cervix uteri (180)	1	2.23	0.45	[0.01 - 2.49]
Corpus uteri & uterus unspecified (179,181-182)	2	1.08	1.85	[0.22 - 6.69]
Ovary (183)	8	2.96	2.70	[1.17 - 5.32]
Other female genital organs (184)	0	0.22	0.00	[0.00 - 16.6]
Prostate (185)	0	-	-	-
Testis (186)	0	-	-	-
Other male genital organs (187)	0	-	-	-
Bladder (188)	1	0.53	1.90	[0.05 - 10.6]
Kidney (189)	0	0.75	0.00	[0.00 - 4.93]
Eye (190)	0	0.05	0.00	[0.00 - 70.1]
Brain (191-192)	3	1.25	2.40	[0.50 - 7.01]
Thyroid (193)	0	0.14	0.00	[0.00 - 25.8]
Other endocrine glands (194)	0	0.06	0.00	[0.00 - 57.9]
Ill defined (195,199)	1	1.79	0.56	[0.01 - 3.12]
Lymphatic & hematopoietic tissue (200-208)	3	2.77	1.08	[0.22 - 3.17]
Non-Hodgkins lymphoma (200,202)	0	0.77	0.00	[0.00 - 4.80]
Hodgkins disease (201)	1	0.31	3.25	[0.08 - 18.1]
Multiple myeloma (203)	0	0.43	0.00	[0.00 - 8.65]
Leukemia & aleukemia (204-208)	2	1.21	1.65	[0.20 - 5.97]
Lymphoid leukemia (204)	0	0.22	0.00	[0.00 - 16.9]
Myeloid leukemia (205)	1	0.58	1.73	[0.04 - 9.66]
BENIGN NEOPLASMS (210-239)	2	0.67	2.99	[0.36 - 10.8]
DIS. OF ENDOCRINE SYSTEM & BLOOD (240-289)	2	2.84	0.70	[0.09 - 2.54]
MENTAL DISORDERS (290-319)	0	1.04	0.00	[0.00 - 3.55]
DIS. OF NERVOUS SYSTEM (320-389)	2	2.2	0.91	[0.11 - 3.29]
DIS. OF CIRCULATORY SYSTEM (390-459)	37	38.84	0.95	[0.67 - 1.31]
Hypertension (401-405)	2	1.01	1.99	[0.24 - 7.19]
Ischaemic heart disease (410-414)	19	18.02	1.05	[0.63 - 1.65]
Cerebrovascular (430-438)	8	10.78	0.74	[0.32 - 1.46]
Other heart diseases (4150,4152-4299)	6	4.27	1.40	[0.52 - 3.06]
DIS. OF RESPIRATORY SYSTEM (460-519)	4	6.83	0.59	[0.16 - 1.50]
Influenza (487)	0	0.25	0.00	[0.00 - 15.0]
Pneumonia (480-486)	2	2.62	0.76	[0.09 - 2.75]
Bronchitis,emphysema & asthma (490-493)	2	2.63	0.76	[0.09 - 2.74]
Pneumoconioses (500-508)	0	0.03	0.00	[0.00 - 0135]
DIS. OF DIGESTIVE SYSTEM (520-579)	2	4.47	0.45	[0.05 - 1.62]
Liver cirrhosis (571)	0	1.67	0.00	[0.00 - 2.21]
DIS. OF GENITO-URINARY SYSTEM (580-629)	1	1.85	0.54	[0.01 - 3.01]
Nephritis & nephrosis (580-589)	0	0.83	0.00	[0.00 - 4.46]
DIS. OF THE SKIN (680-739)	0	0.85	0.00	[0.00 - 4.34]
SYMPTOMS AND ILL-DEFINED CONDITIONS (780-799)	2	2.83	0.71	[0.09 - 2.55]
EXTERNAL CAUSES (E800-999)	4	9.33	0.43	[0.12 - 1.10]
Traffic accident (E810-819)	1	1.91	0.52	[0.01 - 2.92]
Suicide (E950-959)	1	3.45	0.29	[0.01 - 1.61]
Homicide (E960-969)	0	0.33	0.00	[0.00 - 11.1]
Other external causes (E800-807,E820-949,E970-999)	2	3.64	0.55	[0.07 - 1.99]
UNKNOWN CAUSES	2			
OTHER CAUSES	0			

Table 2.11.16
Mortality by cause

TOTAL COHORT

Ever highly exposed to TERP (terpenes)

Causes of death (ICD 9th.revision)	Observed	Expected	SMR	95% Confidence intervals
ALL CAUSES	1528	1827.78	0.84	[0.79 - 0.88]
ALL MALIGNANT NEOPLASMS (140-208)	355	411.35	0.86	[0.78 - 0.96]
Oral cavity & pharynx (140-149)	8	10.24	0.78	[0.34 - 1.54]
Oral cavity (141,143-145)	3	3.97	0.75	[0.16 - 2.21]
Nasopharynx (147)	0	0.62	0.00	[0.00 - 5.94]
Oesophagus (150)	7	10.4	0.67	[0.27 - 1.39]
Stomach (151)	43	44.05	0.98	[0.71 - 1.31]
Colon (153)	24	26.91	0.89	[0.57 - 1.33]
Rectum (154)	12	17.45	0.69	[0.36 - 1.20]
Liver (155)	7	8.43	0.83	[0.33 - 1.71]
Gallbladder (156)	1	3.67	0.27	[0.01 - 1.52]
Pancreas (157)	28	22.41	1.25	[0.83 - 1.81]
Peritoneum and other unspecified organs(158-159)	1	2.11	0.48	[0.01 - 2.65]
Nose & sinuses (160)	0	1.49	0.00	[0.00 - 2.48]
Larynx (161)	9	5.69	1.58	[0.72 - 3.00]
Lung (162)	85	94.5	0.90	[0.72 - 1.11]
Pleura (163)	3	1.59	1.89	[0.39 - 5.52]
Other respiratory organs (164-165)	2	0.96	2.08	[0.25 - 7.53]
Bone (170)	0	1.56	0.00	[0.00 - 2.37]
Soft tissue (171)	0	1.75	0.00	[0.00 - 2.11]
Melanoma (172)	2	5.84	0.34	[0.04 - 1.24]
Other skin (173)	2	1.26	1.58	[0.19 - 5.72]
Breast (174-175)	2	4.14	0.48	[0.06 - 1.74]
Cervix uteri (180)	1	0.92	1.08	[0.03 - 6.04]
Corpus uteri & uterus unspecified (179,181-182)	1	0.74	1.35	[0.03 - 7.52]
Ovary (183)	1	1.59	0.63	[0.02 - 3.49]
Other female genital organs (184)	1	0.18	5.69	[0.14 - 31.7]
Prostate (185)	34	44.22	0.77	[0.53 - 1.07]
Testis (186)	0	1.39	0.00	[0.00 - 2.65]
Other male genital organs (187)	0	0.47	0.00	[0.00 - 7.88]
Bladder (188)	8	13.44	0.60	[0.26 - 1.17]
Kidney (189)	9	12.01	0.75	[0.34 - 1.42]
Eye (190)	1	0.63	1.59	[0.04 - 8.86]
Brain (191-192)	11	10.27	1.07	[0.53 - 1.92]
Thyroid (193)	0	1.25	0.00	[0.00 - 2.96]
Other endocrine glands (194)	0	0.53	0.00	[0.00 - 7.00]
Ill defined (195,199)	19	18.54	1.02	[0.62 - 1.60]
Lymphatic & heamatopoietic tissue (200-208)	29	34.83	0.83	[0.56 - 1.20]
Non-Hodgkins lymphoma (200,202)	8	10.16	0.79	[0.34 - 1.55]
Hodgkins disease (201)	3	3.02	0.99	[0.20 - 2.90]
Multiple myeloma (203)	5	7.31	0.68	[0.22 - 1.60]
Leukemia & aleukemia (204-208)	13	13.84	0.94	[0.50 - 1.61]
Lymphoid leukemia (204)	4	3.57	1.12	[0.31 - 2.87]
Myeloid leukemia (205)	5	5.5	0.91	[0.30 - 2.12]
BENIGN NEOPLASMS (210-239)	4	7.91	0.51	[0.14 - 1.30]
DIS. OF ENDOCRINE SYSTEM & BLOOD (240-289)	17	28.27	0.60	[0.35 - 0.96]
MENTAL DISORDERS (290-319)	12	21.38	0.56	[0.29 - 0.98]
DIS. OF NERVOUS SYSTEM (320-389)	15	24.54	0.61	[0.34 - 1.01]
DIS. OF CIRCULATORY SYSTEM (390-459)	722	865.26	0.83	[0.77 - 0.90]
Hypertension (401-405)	9	19.96	0.45	[0.21 - 0.86]
Ischaemic heart disease (410-414)	458	537.99	0.85	[0.78 - 0.93]
Cerebrovascular (430-438)	139	167.99	0.83	[0.70 - 0.98]
Other heart diseases (4150,4152-4299)	62	74.84	0.83	[0.64 - 1.06]
DIS. OF RESPIRATORY SYSTEM (460-519)	100	123.78	0.81	[0.66 - 0.98]
Influenza (487)	3	3.8	0.79	[0.16 - 2.31]
Pneumonia (480-486)	52	61.87	0.84	[0.63 - 1.10]
Bronchitis,emphysema & asthma (490-493)	30	37.45	0.80	[0.54 - 1.14]
Pneumoconioses (500-508)	0	1.81	0.00	[0.00 - 2.04]
DIS. OF DIGESTIVE SYSTEM (520-579)	52	63.18	0.82	[0.61 - 1.08]
Liver cirrhosis (571)	21	21.86	0.96	[0.59 - 1.47]
DIS. OF GENITO-URINARY SYSTEM (580-629)	20	26.63	0.75	[0.46 - 1.16]
Nephritis & nephrosis (580-589)	10	11.03	0.91	[0.43 - 1.67]
DIS. OF THE SKIN (680-739)	8	6.34	1.26	[0.54 - 2.49]
SYMPTOMS AND ILL-DEFINED CONDITIONS (780-799)	36	51.87	0.69	[0.49 - 0.96]
EXTERNAL CAUSES (E800-999)	146	172.96	0.84	[0.71 - 0.99]
Traffic accident (E810-819)	20	31.44	0.64	[0.39 - 0.98]
Suicide (E950-959)	35	49.16	0.71	[0.50 - 0.99]
Homicide (E960-969)	2	5.2	0.38	[0.05 - 1.39]
Other external causes (E800-807,E820-949,E970-999)	89	87.16	1.02	[0.82 - 1.26]
UNKNOWN CAUSES	11			
OTHER CAUSES	30			

Table 2.11.16
Mortality by cause

TOTAL COHORT
Ever highly exposed to TERP (terpenes)
Men

Causes of death (ICD 9th.revision)	Observed	Expected	SMR	95% Confidence intervals
ALL CAUSES	1479	1740.85	0.85	[0.81 - 0.89]
ALL MALIGNANT NEOPLASMS (140-208)	342	389.82	0.88	[0.79 - 0.98]
Oral cavity & pharynx (140-149)	8	10.02	0.80	[0.34 - 1.57]
Oral cavity (141,143-145)	3	3.87	0.77	[0.16 - 2.26]
Nasopharynx (147)	0	0.6	0.00	[0.00 - 6.13]
Oesophagus (150)	7	10.02	0.70	[0.28 - 1.44]
Stomach (151)	40	42.08	0.95	[0.68 - 1.29]
Colon (153)	24	25.66	0.94	[0.60 - 1.39]
Rectum (154)	10	16.64	0.60	[0.29 - 1.11]
Liver (155)	7	7.82	0.90	[0.36 - 1.84]
Gallbladder (156)	1	3.06	0.33	[0.01 - 1.82]
Pancreas (157)	27	21.01	1.29	[0.85 - 1.87]
Peritoneum and other unspecified organs(158-159)	1	1.88	0.53	[0.01 - 2.96]
Nose & sinuses (160)	0	1.45	0.00	[0.00 - 2.54]
Larynx (161)	9	5.66	1.59	[0.73 - 3.02]
Lung (162)	85	93.08	0.91	[0.73 - 1.13]
Pleura (163)	3	1.53	1.96	[0.40 - 5.73]
Other respiratory organs (164-165)	2	0.92	2.17	[0.26 - 7.83]
Bone (170)	0	1.48	0.00	[0.00 - 2.50]
Soft tissue (171)	0	1.64	0.00	[0.00 - 2.25]
Melanoma (172)	2	5.56	0.36	[0.04 - 1.30]
Other skin (173)	2	1.21	1.65	[0.20 - 5.97]
Breast (174-175)	0	0.35	0.00	[0.00 - 10.5]
Cervix uteri (180)	0	-	-	-
Corpus uteri & uterus unspecified (179,181-182)	0	-	-	-
Ovary (183)	0	-	-	-
Other female genital organs (184)	0	-	-	-
Prostate (185)	34	44.22	0.77	[0.53 - 1.07]
Testis (186)	0	1.39	0.00	[0.00 - 2.65]
Other male genital organs (187)	0	0.47	0.00	[0.00 - 7.88]
Bladder (188)	8	13.22	0.61	[0.26 - 1.19]
Kidney (189)	9	11.42	0.79	[0.36 - 1.50]
Eye (190)	1	0.58	1.71	[0.04 - 9.54]
Brain (191-192)	11	9.63	1.14	[0.57 - 2.04]
Thyroid (193)	0	1.08	0.00	[0.00 - 3.42]
Other endocrine glands (194)	0	0.49	0.00	[0.00 - 7.57]
Ill defined (195,199)	19	17.89	1.06	[0.64 - 1.66]
Lymphatic & heamatopoietic tissue (200-208)	28	32.84	0.85	[0.57 - 1.23]
Non-Hodgkins lymphoma (200,202)	8	9.54	0.84	[0.36 - 1.65]
Hodgkins disease (201)	2	2.87	0.70	[0.08 - 2.52]
Multiple myeloma (203)	5	6.9	0.72	[0.24 - 1.69]
Leukemia & aleukemia (204-208)	13	13.07	0.99	[0.53 - 1.70]
Lymphoid leukemia (204)	4	3.39	1.18	[0.32 - 3.02]
Myeloid leukemia (205)	5	5.14	0.97	[0.32 - 2.27]
BENIGN NEOPLASMS (210-239)	4	7.41	0.54	[0.15 - 1.38]
DIS. OF ENDOCRINE SYSTEM & BLOOD (240-289)	17	26.44	0.64	[0.37 - 1.03]
MENTAL DISORDERS (290-319)	12	19.11	0.63	[0.32 - 1.10]
DIS. OF NERVOUS SYSTEM (320-389)	15	22.87	0.66	[0.37 - 1.08]
DIS. OF CIRCULATORY SYSTEM (390-459)	694	823.8	0.84	[0.78 - 0.91]
Hypertension (401-405)	9	18.59	0.48	[0.22 - 0.92]
Ischaemic heart disease (410-414)	442	517.3	0.85	[0.78 - 0.94]
Cerebrovascular (430-438)	131	156.17	0.84	[0.70 - 1.00]
Other heart diseases (4150,4152-4299)	59	70.65	0.84	[0.64 - 1.08]
DIS. OF RESPIRATORY SYSTEM (460-519)	98	119.12	0.82	[0.67 - 1.00]
Influenza (487)	3	3.56	0.84	[0.17 - 2.46]
Pneumonia (480-486)	50	58.79	0.85	[0.63 - 1.12]
Bronchitis,emphysema & asthma (490-493)	30	36.53	0.82	[0.55 - 1.17]
Pneumoconioses (500-508)	0	1.79	0.00	[0.00 - 2.06]
DIS. OF DIGESTIVE SYSTEM (520-579)	52	60.26	0.86	[0.64 - 1.13]
Liver cirrhosis (571)	21	21.26	0.99	[0.61 - 1.51]
DIS. OF GENITO-URINARY SYSTEM (580-629)	18	25.03	0.72	[0.43 - 1.14]
Nephritis & nephrosis (580-589)	10	10.44	0.96	[0.46 - 1.76]
DIS. OF THE SKIN (680-739)	7	5.43	1.29	[0.52 - 2.66]
SYMPTOMS AND ILL-DEFINED CONDITIONS (780-799)	36	51.35	0.70	[0.49 - 0.97]
EXTERNAL CAUSES (E800-999)	143	167.51	0.85	[0.72 - 1.01]
Traffic accident (E810-819)	20	30.44	0.66	[0.40 - 1.01]
Suicide (E950-959)	35	47.47	0.74	[0.51 - 1.03]
Homicide (E960-969)	2	4.99	0.40	[0.05 - 1.45]
Other external causes (E800-807,E820-949,E970-999)	86	84.62	1.02	[0.81 - 1.26]
UNKNOWN CAUSES	11			
OTHER CAUSES	30			

Table 2.11.16
Mortality by cause

TOTAL COHORT

Ever highly exposed to TERP (terpHLes)

Women

Causes of death (ICD 9th.revision)	Observed	Expected	SMR	95% Confidence intervals
ALL CAUSES	49	86.93	0.56	[0.42 - 0.75]
ALL MALIGNANT NEOPLASMS (140-208)	13	21.53	0.60	[0.32 - 1.03]
Oral cavity & pharynx (140-149)	0	0.23	0.00	[0.00 - 16.3]
Oral cavity (141,143-145)	0	0.1	0.00	[0.00 - 36.4]
Nasopharynx (147)	0	0.02	0.00	[0.00 - 0200]
Oesophagus (150)	0	0.38	0.00	[0.00 - 9.68]
Stomach (151)	3	1.97	1.52	[0.31 - 4.44]
Colon (153)	0	1.25	0.00	[0.00 - 2.96]
Rectum (154)	2	0.81	2.47	[0.30 - 8.93]
Liver (155)	0	0.61	0.00	[0.00 - 6.05]
Gallbladder (156)	0	0.61	0.00	[0.00 - 6.05]
Pancreas (157)	1	1.4	0.71	[0.02 - 3.98]
Peritoneum and other unspecified organs(158-159)	0	0.22	0.00	[0.00 - 16.5]
Nose & sinuses (160)	0	0.04	0.00	[0.00 - 98.3]
Larynx (161)	0	0.03	0.00	[0.00 - 0124]
Lung (162)	0	1.42	0.00	[0.00 - 2.59]
Pleura (163)	0	0.06	0.00	[0.00 - 63.3]
Other respiratory organs (164-165)	0	0.04	0.00	[0.00 - 0100]
Bone (170)	0	0.08	0.00	[0.00 - 45.7]
Soft tissue (171)	0	0.11	0.00	[0.00 - 33.3]
Melanoma (172)	0	0.28	0.00	[0.00 - 13.1]
Other skin (173)	0	0.05	0.00	[0.00 - 68.2]
Breast (174-175)	2	3.79	0.53	[0.06 - 1.90]
Cervix uteri (180)	1	0.92	1.08	[0.03 - 6.04]
Corpus uteri & uterus unspecified (179,181-182)	1	0.74	1.35	[0.03 - 7.52]
Ovary (183)	1	1.59	0.63	[0.02 - 3.49]
Other female genital organs (184)	1	0.18	5.69	[0.14 - 31.7]
Prostate (185)	0	-	-	-
Testis (186)	0	-	-	-
Other male genital organs (187)	0	-	-	-
Bladder (188)	0	0.22	0.00	[0.00 - 16.9]
Kidney (189)	0	0.59	0.00	[0.00 - 6.27]
Eye (190)	0	0.05	0.00	[0.00 - 81.3]
Brain (191-192)	0	0.64	0.00	[0.00 - 5.79]
Thyroid (193)	0	0.17	0.00	[0.00 - 21.9]
Other endocrine glands (194)	0	0.04	0.00	[0.00 - 93.2]
Ill defined (195,199)	0	0.66	0.00	[0.00 - 5.61]
Lymphatic & hematopoietic tissue (200-208)	1	1.98	0.50	[0.01 - 2.81]
Non-Hodgkins lymphoma (200,202)	0	0.62	0.00	[0.00 - 5.93]
Hodgkins disease (201)	1	0.16	6.33	[0.16 - 35.3]
Multiple myeloma (203)	0	0.4	0.00	[0.00 - 9.15]
Leukemia & aleukemia (204-208)	0	0.77	0.00	[0.00 - 4.81]
Lymphoid leukemia (204)	0	0.18	0.00	[0.00 - 20.6]
Myeloid leukemia (205)	0	0.36	0.00	[0.00 - 10.3]
BENIGN NEOPLASMS (210-239)	0	0.5	0.00	[0.00 - 7.34]
DIS. OF ENDOCRINE SYSTEM & BLOOD (240-289)	0	1.83	0.00	[0.00 - 2.02]
MENTAL DISORDERS (290-319)	0	2.27	0.00	[0.00 - 1.62]
DIS. OF NERVOUS SYSTEM (320-389)	0	1.67	0.00	[0.00 - 2.21]
DIS. OF CIRCULATORY SYSTEM (390-459)	28	41.46	0.68	[0.45 - 0.98]
Hypertension (401-405)	0	1.36	0.00	[0.00 - 2.70]
Ischaemic heart disease (410-414)	16	20.69	0.77	[0.44 - 1.26]
Cerebrovascular (430-438)	8	11.82	0.68	[0.29 - 1.33]
Other heart diseases (4150,4152-4299)	3	4.19	0.72	[0.15 - 2.09]
DIS. OF RESPIRATORY SYSTEM (460-519)	2	4.66	0.43	[0.05 - 1.55]
Influenza (487)	0	0.24	0.00	[0.00 - 15.3]
Pneumonia (480-486)	2	3.08	0.65	[0.08 - 2.35]
Bronchitis,emphysema & asthma (490-493)	0	0.92	0.00	[0.00 - 3.99]
Pneumoconioses (500-508)	0	0.02	0.00	[0.00 - 0157]
DIS. OF DIGESTIVE SYSTEM (520-579)	0	2.92	0.00	[0.00 - 1.26]
Liver cirrhosis (571)	0	0.61	0.00	[0.00 - 6.06]
DIS. OF GENITO-URINARY SYSTEM (580-629)	2	1.6	1.25	[0.15 - 4.50]
Nephritis & nephrosis (580-589)	0	0.58	0.00	[0.00 - 6.34]
DIS. OF THE SKIN (680-739)	1	0.91	1.10	[0.03 - 6.13]
SYMPTOMS AND ILL-DEFINED CONDITIONS (780-799)	0	0.52	0.00	[0.00 - 7.03]
EXTERNAL CAUSES (E800-999)	3	5.44	0.55	[0.11 - 1.61]
Traffic accident (E810-819)	0	1	0.00	[0.00 - 3.70]
Suicide (E950-959)	0	1.69	0.00	[0.00 - 2.18]
Homicide (E960-969)	0	0.22	0.00	[0.00 - 17.0]
Other external causes (E800-807,E820-949,E970-999)	3	2.54	1.18	[0.24 - 3.46]
UNKNOWN CAUSES	0			
OTHER CAUSES	0			

**Table 2.11.17
Mortality by cause**

TOTAL COHORT
Ever highly exposed to TIO2 (titanium dioxide)

Causes of death (ICD 9th.revision)	Observed	Expected	SMR	95% Confidence intervals
ALL CAUSES	1047	1113.89	0.94	[0.88 - 1.00]
ALL MALIGNANT NEOPLASMS (140-208)	251	278.54	0.90	[0.79 - 1.02]
Oral cavity & pharynx (140-149)	1	5.12	0.20	[0.00 - 1.09]
Oral cavity (141,143-145)	1	2.31	0.43	[0.01 - 2.41]
Nasopharynx (147)	0	0.47	0.00	[0.00 - 7.80]
Oesophagus (150)	7	8.28	0.85	[0.34 - 1.74]
Stomach (151)	20	24.48	0.82	[0.50 - 1.26]
Colon (153)	13	19.81	0.66	[0.35 - 1.12]
Rectum (154)	11	12.6	0.87	[0.44 - 1.56]
Liver (155)	1	4.33	0.23	[0.01 - 1.29]
Gallbladder (156)	1	1.97	0.51	[0.01 - 2.83]
Pancreas (157)	16	13.33	1.20	[0.69 - 1.95]
Peritoneum and other unspecified organs(158-159)	3	1.18	2.54	[0.52 - 7.42]
Nose & sinuses (160)	1	0.55	1.82	[0.05 - 10.2]
Larynx (161)	3	2.73	1.10	[0.23 - 3.21]
Lung (162)	82	84.16	0.97	[0.77 - 1.21]
Pleura (163)	1	1.17	0.85	[0.02 - 4.76]
Other respiratory organs (164-165)	0	0.44	0.00	[0.00 - 8.45]
Bone (170)	1	0.94	1.06	[0.03 - 5.91]
Soft tissue (171)	0	1.07	0.00	[0.00 - 3.45]
Melanoma (172)	6	3.64	1.65	[0.60 - 3.58]
Other skin (173)	2	0.76	2.62	[0.32 - 9.45]
Breast (174-175)	6	5.41	1.11	[0.41 - 2.42]
Cervix uteri (180)	4	1.09	3.66	[1.00 - 9.36]
Corpus uteri & uterus unspecified (179,181-182)	0	0.7	0.00	[0.00 - 5.24]
Ovary (183)	0	1.79	0.00	[0.00 - 2.06]
Other female genital organs (184)	0	0.18	0.00	[0.00 - 20.8]
Prostate (185)	18	19.31	0.93	[0.55 - 1.47]
Testis (186)	1	1.36	0.74	[0.02 - 4.11]
Other male genital organs (187)	0	0.36	0.00	[0.00 - 10.2]
Bladder (188)	8	9.9	0.81	[0.35 - 1.59]
Kidney (189)	5	7.33	0.68	[0.22 - 1.59]
Eye (190)	0	0.4	0.00	[0.00 - 9.26]
Brain (191-192)	2	7.69	0.26	[0.03 - 0.94]
Thyroid (193)	0	0.68	0.00	[0.00 - 5.42]
Other endocrine glands (194)	0	0.34	0.00	[0.00 - 11.0]
Ill defined (195,199)	13	13.02	1.00	[0.53 - 1.71]
Lymphatic & hematopoietic tissue (200-208)	22	20.36	1.08	[0.68 - 1.64]
Non-Hodgkins lymphoma (200,202)	3	6.53	0.46	[0.09 - 1.34]
Hodgkins disease (201)	5	2	2.50	[0.81 - 5.84]
Multiple myeloma (203)	5	4.05	1.24	[0.40 - 2.88]
Leukemia & aleukemia (204-208)	9	7.77	1.16	[0.53 - 2.20]
Lymphoid leukemia (204)	2	2.08	0.96	[0.12 - 3.48]
Myeloid leukemia (205)	5	3.54	1.41	[0.46 - 3.29]
BENIGN NEOPLASMS (210-239)	4	4.01	1.00	[0.27 - 2.55]
DIS. OF ENDOCRINE SYSTEM & BLOOD (240-289)	11	17.05	0.64	[0.32 - 1.15]
MENTAL DISORDERS (290-319)	15	10.79	1.39	[0.78 - 2.29]
DIS. OF NERVOUS SYSTEM (320-389)	8	14.71	0.54	[0.23 - 1.07]
DIS. OF CIRCULATORY SYSTEM (390-459)	520	517.86	1.00	[0.92 - 1.09]
Hypertension (401-405)	6	9.88	0.61	[0.22 - 1.32]
Ischaemic heart disease (410-414)	335	339.45	0.99	[0.88 - 1.10]
Cerebrovascular (430-438)	112	99.59	1.12	[0.93 - 1.35]
Other heart diseases (4150,4152-4299)	27	32.87	0.82	[0.54 - 1.20]
DIS. OF RESPIRATORY SYSTEM (460-519)	74	88.5	0.84	[0.66 - 1.05]
Influenza (487)	0	2.08	0.00	[0.00 - 1.77]
Pneumonia (480-486)	28	34.58	0.81	[0.54 - 1.17]
Bronchitis,emphysema & asthma (490-493)	31	31.79	0.98	[0.66 - 1.38]
Pneumoconioses (500-508)	1	1.39	0.72	[0.02 - 4.01]
DIS. OF DIGESTIVE SYSTEM (520-579)	35	37.29	0.94	[0.65 - 1.31]
Liver cirrhosis (571)	12	13.05	0.92	[0.48 - 1.61]
DIS. OF GENITO-URINARY SYSTEM (580-629)	10	13.48	0.74	[0.36 - 1.36]
Nephritis & nephrosis (580-589)	7	6.49	1.08	[0.43 - 2.22]
DIS. OF THE SKIN (680-739)	4	3.65	1.10	[0.30 - 2.81]
SYMPTOMS AND ILL-DEFINED CONDITIONS (780-799)	13	23.01	0.57	[0.30 - 0.97]
EXTERNAL CAUSES (E800-999)	90	93.64	0.96	[0.77 - 1.18]
Traffic accident (E810-819)	20	19	1.05	[0.64 - 1.63]
Suicide (E950-959)	25	28.27	0.88	[0.57 - 1.31]
Homicide (E960-969)	3	2.1	1.43	[0.29 - 4.17]
Other external causes (E800-807,E820-949,E970-999)	42	44.27	0.95	[0.68 - 1.28]
UNKNOWN CAUSES	1			
OTHER CAUSES	11			

Table 2.11.17
Mortality by cause

TOTAL COHORT

Ever highly exposed to TIO2 (titanium dioxide)

Men

Causes of death (ICD 9th.revision)	Observed	Expected	SMR	95% Confidence intervals
ALL CAUSES	949	1010.33	0.94	[0.88 - 1.00]
ALL MALIGNANT NEOPLASMS (140-208)	224	251.22	0.89	[0.78 - 1.02]
Oral cavity & pharynx (140-149)	1	4.83	0.21	[0.01 - 1.15]
Oral cavity (141,143-145)	1	2.18	0.46	[0.01 - 2.56]
Nasopharynx (147)	0	0.45	0.00	[0.00 - 8.17]
Oesophagus (150)	7	7.48	0.94	[0.38 - 1.93]
Stomach (151)	19	22.7	0.84	[0.50 - 1.31]
Colon (153)	13	17.21	0.76	[0.40 - 1.29]
Rectum (154)	11	11.51	0.96	[0.48 - 1.71]
Liver (155)	1	4.08	0.24	[0.01 - 1.36]
Gallbladder (156)	1	1.68	0.60	[0.01 - 3.33]
Pancreas (157)	14	12.13	1.15	[0.63 - 1.94]
Peritoneum and other unspecified organs(158-159)	2	0.99	2.01	[0.24 - 7.26]
Nose & sinuses (160)	1	0.52	1.94	[0.05 - 10.8]
Larynx (161)	3	2.64	1.13	[0.23 - 3.31]
Lung (162)	77	79.71	0.97	[0.76 - 1.21]
Pleura (163)	1	1.15	0.87	[0.02 - 4.84]
Other respiratory organs (164-165)	0	0.42	0.00	[0.00 - 8.87]
Bone (170)	1	0.88	1.13	[0.03 - 6.32]
Soft tissue (171)	0	0.99	0.00	[0.00 - 3.73]
Melanoma (172)	5	3.44	1.45	[0.47 - 3.39]
Other skin (173)	1	0.69	1.45	[0.04 - 8.10]
Breast (174-175)	0	0.24	0.00	[0.00 - 15.3]
Cervix uteri (180)	0	-	-	-
Corpus uteri & uterus unspecified (179,181-182)	0	-	-	-
Ovary (183)	0	-	-	-
Other female genital organs (184)	0	-	-	-
Prostate (185)	18	19.31	0.93	[0.55 - 1.47]
Testis (186)	1	1.36	0.74	[0.02 - 4.11]
Other male genital organs (187)	0	0.36	0.00	[0.00 - 10.2]
Bladder (188)	7	9.33	0.75	[0.30 - 1.55]
Kidney (189)	5	6.86	0.73	[0.24 - 1.70]
Eye (190)	0	0.36	0.00	[0.00 - 10.3]
Brain (191-192)	2	7.18	0.28	[0.03 - 1.01]
Thyroid (193)	0	0.56	0.00	[0.00 - 6.53]
Other endocrine glands (194)	0	0.31	0.00	[0.00 - 11.8]
Ill defined (195,199)	12	11.69	1.03	[0.53 - 1.79]
Lymphatic & hematopoietic tissue (200-208)	19	18.77	1.01	[0.61 - 1.58]
Non-Hodgkins lymphoma (200,202)	2	5.96	0.34	[0.04 - 1.21]
Hodgkins disease (201)	4	1.88	2.13	[0.58 - 5.46]
Multiple myeloma (203)	5	3.71	1.35	[0.44 - 3.15]
Leukemia & aleukemia (204-208)	8	7.21	1.11	[0.48 - 2.18]
Lymphoid leukemia (204)	2	1.96	1.02	[0.12 - 3.69]
Myeloid leukemia (205)	4	3.28	1.22	[0.33 - 3.12]
BENIGN NEOPLASMS (210-239)	4	3.66	1.09	[0.30 - 2.80]
DIS. OF ENDOCRINE SYSTEM & BLOOD (240-289)	10	14.96	0.67	[0.32 - 1.23]
MENTAL DISORDERS (290-319)	14	9.58	1.46	[0.80 - 2.45]
DIS. OF NERVOUS SYSTEM (320-389)	7	13.28	0.53	[0.21 - 1.09]
DIS. OF CIRCULATORY SYSTEM (390-459)	465	467.3	1.00	[0.91 - 1.09]
Hypertension (401-405)	5	8.79	0.57	[0.18 - 1.33]
Ischaemic heart disease (410-414)	304	313.43	0.97	[0.86 - 1.09]
Cerebrovascular (430-438)	92	84.07	1.09	[0.88 - 1.34]
Other heart diseases (4150,4152-4299)	27	29.58	0.91	[0.60 - 1.33]
DIS. OF RESPIRATORY SYSTEM (460-519)	64	79.13	0.81	[0.62 - 1.03]
Influenza (487)	0	1.78	0.00	[0.00 - 2.08]
Pneumonia (480-486)	20	29.53	0.68	[0.41 - 1.05]
Bronchitis,emphysema & asthma (490-493)	29	29.95	0.97	[0.65 - 1.39]
Pneumoconioses (500-508)	1	1.35	0.74	[0.02 - 4.14]
DIS. OF DIGESTIVE SYSTEM (520-579)	34	33.71	1.01	[0.70 - 1.41]
Liver cirrhosis (571)	12	12.44	0.96	[0.50 - 1.68]
DIS. OF GENITO-URINARY SYSTEM (580-629)	10	11.73	0.85	[0.41 - 1.57]
Nephritis & nephrosis (580-589)	7	5.62	1.24	[0.50 - 2.56]
DIS. OF THE SKIN (680-739)	4	2.9	1.38	[0.38 - 3.54]
SYMPTOMS AND ILL-DEFINED CONDITIONS (780-799)	13	22.42	0.58	[0.31 - 0.99]
EXTERNAL CAUSES (E800-999)	88	90.02	0.98	[0.78 - 1.20]
Traffic accident (E810-819)	19	18.38	1.03	[0.62 - 1.61]
Suicide (E950-959)	25	27.41	0.91	[0.59 - 1.35]
Homicide (E960-969)	3	2.04	1.47	[0.30 - 4.31]
Other external causes (E800-807,E820-949,E970-999)	41	42.19	0.97	[0.70 - 1.32]
UNKNOWN CAUSES	1			
OTHER CAUSES	11			

Table 2.11.17
Mortality by cause

TOTAL COHORT

Ever highly exposed to TIO2 (titanium dioxide)

Women

Causes of death (ICD 9th.revision)	Observed	Expected	SMR	95% Confidence intervals
ALL CAUSES	98	103.56	0.95	[0.77 - 1.15]
ALL MALIGNANT NEOPLASMS (140-208)	27	27.33	0.99	[0.65 - 1.44]
Oral cavity & pharynx (140-149)	0	0.29	0.00	[0.00 - 12.9]
Oral cavity (141,143-145)	0	0.13	0.00	[0.00 - 28.0]
Nasopharynx (147)	0	0.02	0.00	[0.00 - 0171]
Oesophagus (150)	0	0.79	0.00	[0.00 - 4.64]
Stomach (151)	1	1.79	0.56	[0.01 - 3.12]
Colon (153)	0	2.6	0.00	[0.00 - 1.42]
Rectum (154)	0	1.09	0.00	[0.00 - 3.39]
Liver (155)	0	0.25	0.00	[0.00 - 14.7]
Gallbladder (156)	0	0.29	0.00	[0.00 - 12.7]
Pancreas (157)	2	1.2	1.67	[0.20 - 6.02]
Peritoneum and other unspecified organs(158-159)	1	0.19	5.34	[0.13 - 29.8]
Nose & sinuses (160)	0	0.03	0.00	[0.00 - 0115]
Larynx (161)	0	0.08	0.00	[0.00 - 43.8]
Lung (162)	5	4.45	1.12	[0.36 - 2.62]
Pleura (163)	0	0.02	0.00	[0.00 - 0183]
Other respiratory organs (164-165)	0	0.02	0.00	[0.00 - 0178]
Bone (170)	0	0.06	0.00	[0.00 - 59.8]
Soft tissue (171)	0	0.08	0.00	[0.00 - 46.9]
Melanoma (172)	1	0.2	4.92	[0.12 - 27.4]
Other skin (173)	1	0.08	13.10	[0.33 - 72.8]
Breast (174-175)	6	5.17	1.16	[0.43 - 2.53]
Cervix uteri (180)	4	1.09	3.66	[1.00 - 9.36]
Corpus uteri & uterus unspecified (179,181-182)	0	0.7	0.00	[0.00 - 5.24]
Ovary (183)	0	1.79	0.00	[0.00 - 2.06]
Other female genital organs (184)	0	0.18	0.00	[0.00 - 20.8]
Prostate (185)	0	-	-	-
Testis (186)	0	-	-	-
Other male genital organs (187)	0	-	-	-
Bladder (188)	1	0.57	1.75	[0.04 - 9.75]
Kidney (189)	0	0.47	0.00	[0.00 - 7.82]
Eye (190)	0	0.04	0.00	[0.00 - 95.1]
Brain (191-192)	0	0.51	0.00	[0.00 - 7.29]
Thyroid (193)	0	0.12	0.00	[0.00 - 31.7]
Other endocrine glands (194)	0	0.02	0.00	[0.00 - 0158]
Ill defined (195,199)	1	1.34	0.75	[0.02 - 4.17]
Lymphatic & heamatopoietic tissue (200-208)	3	1.59	1.89	[0.39 - 5.51]
Non-Hodgkins lymphoma (200,202)	1	0.58	1.74	[0.04 - 9.67]
Hodgkins disease (201)	1	0.12	8.07	[0.20 - 45.0]
Multiple myeloma (203)	0	0.34	0.00	[0.00 - 11.0]
Leukemia & aleukemia (204-208)	1	0.56	1.80	[0.05 - 10.0]
Lymphoid leukemia (204)	0	0.12	0.00	[0.00 - 30.7]
Myeloid leukemia (205)	1	0.26	3.81	[0.10 - 21.2]
BENIGN NEOPLASMS (210-239)	0	0.35	0.00	[0.00 - 10.5]
DIS. OF ENDOCRINE SYSTEM & BLOOD (240-289)	1	2.09	0.48	[0.01 - 2.67]
MENTAL DISORDERS (290-319)	1	1.21	0.83	[0.02 - 4.62]
DIS. OF NERVOUS SYSTEM (320-389)	1	1.43	0.70	[0.02 - 3.90]
DIS. OF CIRCULATORY SYSTEM (390-459)	55	50.57	1.09	[0.82 - 1.42]
Hypertension (401-405)	1	1.09	0.92	[0.02 - 5.11]
Ischaemic heart disease (410-414)	31	26.02	1.19	[0.81 - 1.69]
Cerebrovascular (430-438)	20	15.52	1.29	[0.79 - 1.99]
Other heart diseases (4150,4152-4299)	0	3.29	0.00	[0.00 - 1.12]
DIS. OF RESPIRATORY SYSTEM (460-519)	10	9.37	1.07	[0.51 - 1.96]
Influenza (487)	0	0.3	0.00	[0.00 - 12.1]
Pneumonia (480-486)	8	5.05	1.58	[0.68 - 3.12]
Bronchitis,emphysema & asthma (490-493)	2	1.84	1.09	[0.13 - 3.92]
Pneumoconioses (500-508)	0	0.04	0.00	[0.00 - 87.9]
DIS. OF DIGESTIVE SYSTEM (520-579)	1	3.58	0.28	[0.01 - 1.56]
Liver cirrhosis (571)	0	0.6	0.00	[0.00 - 6.14]
DIS. OF GENITO-URINARY SYSTEM (580-629)	0	1.74	0.00	[0.00 - 2.11]
Nephritis & nephrosis (580-589)	0	0.87	0.00	[0.00 - 4.24]
DIS. OF THE SKIN (680-739)	0	0.75	0.00	[0.00 - 4.90]
SYMPTOMS AND ILL-DEFINED CONDITIONS (780-799)	0	0.59	0.00	[0.00 - 6.23]
EXTERNAL CAUSES (E800-999)	2	3.61	0.55	[0.07 - 2.00]
Traffic accident (E810-819)	1	0.61	1.63	[0.04 - 9.10]
Suicide (E950-959)	0	0.86	0.00	[0.00 - 4.27]
Homicide (E960-969)	0	0.07	0.00	[0.00 - 56.6]
Other external causes (E800-807,E820-949,E970-999)	1	2.07	0.48	[0.01 - 2.69]
UNKNOWN CAUSES	0			
OTHER CAUSES	0			

**Table 2.11.18
Mortality by cause**

TOTAL COHORT

Ever highly exposed to WELD (welding fumes)

Causes of death (ICD 9th.revision)	Observed	Expected	SMR	95% Confidence intervals
ALL CAUSES	3402	4097.22	0.83	[0.80 - 0.86]
ALL MALIGNANT NEOPLASMS (140-208)	826	917.1	0.90	[0.84 - 0.96]
Oral cavity & pharynx (140-149)	18	19.61	0.92	[0.54 - 1.45]
Oral cavity (141,143-145)	8	7.94	1.01	[0.43 - 1.98]
Nasopharynx (147)	1	1.36	0.73	[0.02 - 4.09]
Oesophagus (150)	13	22.25	0.58	[0.31 - 1.00]
Stomach (151)	79	98.23	0.80	[0.64 - 1.00]
Colon (153)	51	53.66	0.95	[0.71 - 1.25]
Rectum (154)	30	37.64	0.80	[0.54 - 1.14]
Liver (155)	12	16.48	0.73	[0.38 - 1.27]
Gallbladder (156)	3	8.58	0.35	[0.07 - 1.02]
Pancreas (157)	35	49.18	0.71	[0.50 - 0.99]
Peritoneum and other unspecified organs(158-159)	3	6.22	0.48	[0.10 - 1.41]
Nose & sinuses (160)	4	3.1	1.29	[0.35 - 3.30]
Larynx (161)	9	11.7	0.77	[0.35 - 1.46]
Lung (162)	250	245.92	1.02	[0.89 - 1.15]
Pleura (163)	11	4.1	2.68	[1.34 - 4.80]
Other respiratory organs (164-165)	5	2.66	1.88	[0.61 - 4.38]
Bone (170)	0	3.74	0.00	[0.00 - 0.99]
Soft tissue (171)	2	3.98	0.50	[0.06 - 1.82]
Melanoma (172)	12	13.86	0.87	[0.45 - 1.51]
Other skin (173)	2	2.69	0.74	[0.09 - 2.69]
Breast (174-175)	9	10.1	0.89	[0.41 - 1.69]
Cervix uteri (180)	2	2.2	0.91	[0.11 - 3.28]
Corpus uteri & uterus unspecified (179,181-182)	2	2.2	0.91	[0.11 - 3.29]
Ovary (183)	1	4.07	0.25	[0.01 - 1.37]
Other female genital organs (184)	2	0.58	3.43	[0.42 - 12.4]
Prostate (185)	64	82	0.78	[0.60 - 1.00]
Testis (186)	4	4.07	0.98	[0.27 - 2.52]
Other male genital organs (187)	1	1.02	0.98	[0.02 - 5.44]
Bladder (188)	29	28.75	1.01	[0.68 - 1.45]
Kidney (189)	27	26.68	1.01	[0.67 - 1.47]
Eye (190)	3	1.52	1.97	[0.41 - 5.76]
Brain (191-192)	24	24.53	0.98	[0.63 - 1.46]
Thyroid (193)	3	2.93	1.02	[0.21 - 2.99]
Other endocrine glands (194)	2	1.49	1.34	[0.16 - 4.84]
Ill defined (195,199)	36	35.65	1.01	[0.71 - 1.40]
Lymphatic & hematopoietic tissue (200-208)	59	76.26	0.77	[0.59 - 1.00]
Non-Hodgkins lymphoma (200,202)	15	23.26	0.64	[0.36 - 1.06]
Hodgkins disease (201)	6	7.6	0.79	[0.29 - 1.72]
Multiple myeloma (203)	14	14.78	0.95	[0.52 - 1.59]
Leukemia & aleukemia (204-208)	24	30.46	0.79	[0.50 - 1.17]
Lymphoid leukemia (204)	5	8.4	0.60	[0.19 - 1.39]
Myeloid leukemia (205)	6	12.64	0.47	[0.17 - 1.03]
BENIGN NEOPLASMS (210-239)	11	16.87	0.65	[0.33 - 1.17]
DIS. OF ENDOCRINE SYSTEM & BLOOD (240-289)	34	61.24	0.56	[0.38 - 0.78]
MENTAL DISORDERS (290-319)	18	51.48	0.35	[0.21 - 0.55]
DIS. OF NERVOUS SYSTEM (320-389)	56	53.55	1.05	[0.79 - 1.36]
DIS. OF CIRCULATORY SYSTEM (390-459)	1643	1930.08	0.85	[0.81 - 0.89]
Hypertension (401-405)	38	40.3	0.94	[0.67 - 1.29]
Ischaemic heart disease (410-414)	1016	1232.59	0.82	[0.77 - 0.88]
Cerebrovascular (430-438)	230	364.94	0.63	[0.55 - 0.72]
Other heart diseases (4150,4152-4299)	96	157.38	0.61	[0.49 - 0.74]
DIS. OF RESPIRATORY SYSTEM (460-519)	188	274.43	0.69	[0.59 - 0.79]
Influenza (487)	2	10.41	0.19	[0.02 - 0.69]
Pneumonia (480-486)	78	124.39	0.63	[0.50 - 0.78]
Bronchitis,emphysema & asthma (490-493)	69	99.95	0.69	[0.54 - 0.87]
Pneumoconioses (500-508)	1	3.08	0.32	[0.01 - 1.81]
DIS. OF DIGESTIVE SYSTEM (520-579)	95	134.69	0.71	[0.57 - 0.86]
Liver cirrhosis (571)	40	44.96	0.89	[0.64 - 1.21]
DIS. OF GENITO-URINARY SYSTEM (580-629)	41	55.92	0.73	[0.53 - 0.99]
Nephritis & nephrosis (580-589)	8	23.6	0.34	[0.15 - 0.67]
DIS. OF THE SKIN (680-739)	5	13.54	0.37	[0.12 - 0.86]
SYMPTOMS AND ILL-DEFINED CONDITIONS (780-799)	73	86.79	0.84	[0.66 - 1.06]
EXTERNAL CAUSES (E800-999)	336	434.4	0.77	[0.69 - 0.86]
Traffic accident (E810-819)	44	80.26	0.55	[0.40 - 0.74]
Suicide (E950-959)	71	136.99	0.52	[0.40 - 0.65]
Homicide (E960-969)	8	11.4	0.70	[0.30 - 1.38]
Other external causes (E800-807,E820-949,E970-999)	213	205.76	1.04	[0.90 - 1.18]
UNKNOWN CAUSES	15			
OTHER CAUSES	61			

Table 2.11.18
Mortality by cause

TOTAL COHORT

Ever highly exposed to WELD (welding fumes)

Men

Causes of death (ICD 9th.revision)	Observed	Expected	SMR	95% Confidence intervals
ALL CAUSES	3183	3828.31	0.83	[0.80 - 0.86]
ALL MALIGNANT NEOPLASMS (140-208)	778	858.58	0.91	[0.84 - 0.97]
Oral cavity & pharynx (140-149)	17	18.96	0.90	[0.52 - 1.44]
Oral cavity (141,143-145)	7	7.62	0.92	[0.37 - 1.89]
Nasopharynx (147)	1	1.31	0.76	[0.02 - 4.26]
Oesophagus (150)	13	20.98	0.62	[0.33 - 1.06]
Stomach (151)	74	91.93	0.80	[0.63 - 1.01]
Colon (153)	48	49.76	0.96	[0.71 - 1.28]
Rectum (154)	27	35.28	0.77	[0.50 - 1.11]
Liver (155)	12	15.15	0.79	[0.41 - 1.38]
Gallbladder (156)	3	6.83	0.44	[0.09 - 1.28]
Pancreas (157)	32	45.24	0.71	[0.48 - 1.00]
Peritoneum and other unspecified organs(158-159)	3	5.45	0.55	[0.11 - 1.61]
Nose & sinuses (160)	4	2.98	1.34	[0.37 - 3.44]
Larynx (161)	9	11.63	0.77	[0.35 - 1.47]
Lung (162)	246	242.26	1.02	[0.89 - 1.15]
Pleura (163)	10	3.96	2.52	[1.21 - 4.64]
Other respiratory organs (164-165)	5	2.57	1.95	[0.63 - 4.55]
Bone (170)	0	3.55	0.00	[0.00 - 1.04]
Soft tissue (171)	2	3.69	0.54	[0.07 - 1.96]
Melanoma (172)	11	13.19	0.83	[0.42 - 1.49]
Other skin (173)	2	2.51	0.80	[0.10 - 2.88]
Breast (174-175)	1	0.72	1.40	[0.03 - 7.79]
Cervix uteri (180)	0	-	-	-
Corpus uteri & uterus unspecified (179,181-182)	0	-	-	-
Ovary (183)	0	-	-	-
Other female genital organs (184)	0	-	-	-
Prostate (185)	64	82	0.78	[0.60 - 1.00]
Testis (186)	4	4.07	0.98	[0.27 - 2.52]
Other male genital organs (187)	1	1.02	0.98	[0.02 - 5.44]
Bladder (188)	28	28	1.00	[0.66 - 1.45]
Kidney (189)	26	25.06	1.04	[0.68 - 1.52]
Eye (190)	3	1.4	2.14	[0.44 - 6.26]
Brain (191-192)	24	23.2	1.03	[0.66 - 1.54]
Thyroid (193)	3	2.41	1.24	[0.26 - 3.63]
Other endocrine glands (194)	2	1.4	1.43	[0.17 - 5.17]
Ill defined (195,199)	33	33.47	0.99	[0.68 - 1.38]
Lymphatic & hematopoietic tissue (200-208)	55	71.06	0.77	[0.58 - 1.01]
Non-Hodgkins lymphoma (200,202)	15	21.58	0.70	[0.39 - 1.15]
Hodgkins disease (201)	5	7.23	0.69	[0.22 - 1.61]
Multiple myeloma (203)	14	13.58	1.03	[0.56 - 1.73]
Leukemia & aleukemia (204-208)	21	28.49	0.74	[0.46 - 1.13]
Lymphoid leukemia (204)	4	7.9	0.51	[0.14 - 1.30]
Myeloid leukemia (205)	6	11.75	0.51	[0.19 - 1.11]
BENIGN NEOPLASMS (210-239)	10	15.42	0.65	[0.31 - 1.19]
DIS. OF ENDOCRINE SYSTEM & BLOOD (240-289)	30	55.33	0.54	[0.37 - 0.77]
MENTAL DISORDERS (290-319)	18	44.13	0.41	[0.24 - 0.64]
DIS. OF NERVOUS SYSTEM (320-389)	52	49.32	1.05	[0.79 - 1.38]
DIS. OF CIRCULATORY SYSTEM (390-459)	1526	1790.06	0.85	[0.81 - 0.90]
Hypertension (401-405)	33	35.31	0.93	[0.64 - 1.31]
Ischaemic heart disease (410-414)	957	1164.38	0.82	[0.77 - 0.88]
Cerebrovascular (430-438)	208	324.36	0.64	[0.56 - 0.73]
Other heart diseases (4150,4152-4299)	87	142.3	0.61	[0.49 - 0.75]
DIS. OF RESPIRATORY SYSTEM (460-519)	174	257.86	0.67	[0.58 - 0.78]
Influenza (487)	1	9.35	0.11	[0.00 - 0.60]
Pneumonia (480-486)	70	112.93	0.62	[0.48 - 0.78]
Bronchitis,emphysema & asthma (490-493)	67	97.29	0.69	[0.53 - 0.87]
Pneumoconioses (500-508)	1	3.02	0.33	[0.01 - 1.84]
DIS. OF DIGESTIVE SYSTEM (520-579)	89	125.95	0.71	[0.57 - 0.87]
Liver cirrhosis (571)	39	43.7	0.89	[0.63 - 1.22]
DIS. OF GENITO-URINARY SYSTEM (580-629)	36	50.56	0.71	[0.50 - 0.99]
Nephritis & nephrosis (580-589)	7	21.88	0.32	[0.13 - 0.66]
DIS. OF THE SKIN (680-739)	3	11.12	0.27	[0.06 - 0.79]
SYMPTOMS AND ILL-DEFINED CONDITIONS (780-799)	73	85.07	0.86	[0.67 - 1.08]
EXTERNAL CAUSES (E800-999)	320	422.52	0.76	[0.68 - 0.85]
Traffic accident (E810-819)	42	78.17	0.54	[0.39 - 0.73]
Suicide (E950-959)	69	133.69	0.52	[0.40 - 0.65]
Homicide (E960-969)	8	11.06	0.72	[0.31 - 1.43]
Other external causes (E800-807,E820-949,E970-999)	201	199.6	1.01	[0.87 - 1.16]
UNKNOWN CAUSES	14			
OTHER CAUSES	60			

Table 2.11.18
Mortality by cause

TOTAL COHORT

Ever highly exposed to WELD (welding fumes)

Women

Causes of death (ICD 9th.revision)	Observed	Expected	SMR	95% Confidence intervals
ALL CAUSES	219	268.9	0.81	[0.71 - 0.93]
ALL MALIGNANT NEOPLASMS (140-208)	48	58.52	0.82	[0.60 - 1.09]
Oral cavity & pharynx (140-149)	1	0.64	1.55	[0.04 - 8.64]
Oral cavity (141,143-145)	1	0.32	3.14	[0.08 - 17.5]
Nasopharynx (147)	0	0.05	0.00	[0.00 - 68.3]
Oesophagus (150)	0	1.27	0.00	[0.00 - 2.91]
Stomach (151)	5	6.3	0.79	[0.26 - 1.85]
Colon (153)	3	3.91	0.77	[0.16 - 2.24]
Rectum (154)	3	2.37	1.27	[0.26 - 3.70]
Liver (155)	0	1.33	0.00	[0.00 - 2.77]
Gallbladder (156)	0	1.75	0.00	[0.00 - 2.11]
Pancreas (157)	3	3.95	0.76	[0.16 - 2.22]
Peritoneum and other unspecified organs(158-159)	0	0.77	0.00	[0.00 - 4.77]
Nose & sinuses (160)	0	0.12	0.00	[0.00 - 30.0]
Larynx (161)	0	0.07	0.00	[0.00 - 51.5]
Lung (162)	4	3.67	1.09	[0.30 - 2.79]
Pleura (163)	1	0.14	7.10	[0.18 - 39.5]
Other respiratory organs (164-165)	0	0.1	0.00	[0.00 - 37.2]
Bone (170)	0	0.19	0.00	[0.00 - 19.5]
Soft tissue (171)	0	0.28	0.00	[0.00 - 13.0]
Melanoma (172)	1	0.66	1.51	[0.04 - 8.43]
Other skin (173)	0	0.18	0.00	[0.00 - 20.8]
Breast (174-175)	8	9.38	0.85	[0.37 - 1.68]
Cervix uteri (180)	2	2.2	0.91	[0.11 - 3.28]
Corpus uteri & uterus unspecified (179,181-182)	2	2.2	0.91	[0.11 - 3.29]
Ovary (183)	1	4.07	0.25	[0.01 - 1.37]
Other female genital organs (184)	2	0.58	3.43	[0.42 - 12.4]
Prostate (185)	0	-	-	-
Testis (186)	0	-	-	-
Other male genital organs (187)	0	-	-	-
Bladder (188)	1	0.75	1.33	[0.03 - 7.40]
Kidney (189)	1	1.62	0.62	[0.02 - 3.44]
Eye (190)	0	0.12	0.00	[0.00 - 30.4]
Brain (191-192)	0	1.32	0.00	[0.00 - 2.79]
Thyroid (193)	0	0.52	0.00	[0.00 - 7.12]
Other endocrine glands (194)	0	0.1	0.00	[0.00 - 38.6]
Ill defined (195,199)	3	2.18	1.38	[0.28 - 4.03]
Lymphatic & hematopoietic tissue (200-208)	4	5.2	0.77	[0.21 - 1.97]
Non-Hodgkins lymphoma (200,202)	0	1.68	0.00	[0.00 - 2.20]
Hodgkins disease (201)	1	0.37	2.73	[0.07 - 15.2]
Multiple myeloma (203)	0	1.2	0.00	[0.00 - 3.07]
Leukemia & aleukemia (204-208)	3	1.97	1.53	[0.31 - 4.46]
Lymphoid leukemia (204)	1	0.5	1.99	[0.05 - 11.1]
Myeloid leukemia (205)	0	0.88	0.00	[0.00 - 4.18]
BENIGN NEOPLASMS (210-239)	1	1.45	0.69	[0.02 - 3.85]
DIS. OF ENDOCRINE SYSTEM & BLOOD (240-289)	4	5.91	0.68	[0.18 - 1.73]
MENTAL DISORDERS (290-319)	0	7.35	0.00	[0.00 - 0.50]
DIS. OF NERVOUS SYSTEM (320-389)	4	4.23	0.95	[0.26 - 2.42]
DIS. OF CIRCULATORY SYSTEM (390-459)	117	140.02	0.84	[0.69 - 1.00]
Hypertension (401-405)	5	4.98	1.00	[0.33 - 2.34]
Ischaemic heart disease (410-414)	59	68.21	0.87	[0.66 - 1.12]
Cerebrovascular (430-438)	22	40.57	0.54	[0.34 - 0.82]
Other heart diseases (4150,4152-4299)	9	15.08	0.60	[0.27 - 1.13]
DIS. OF RESPIRATORY SYSTEM (460-519)	14	16.56	0.85	[0.46 - 1.42]
Influenza (487)	1	1.05	0.95	[0.02 - 5.29]
Pneumonia (480-486)	8	11.46	0.70	[0.30 - 1.38]
Bronchitis,emphysema & asthma (490-493)	2	2.67	0.75	[0.09 - 2.71]
Pneumoconioses (500-508)	0	0.06	0.00	[0.00 - 61.6]
DIS. OF DIGESTIVE SYSTEM (520-579)	6	8.74	0.69	[0.25 - 1.49]
Liver cirrhosis (571)	1	1.26	0.79	[0.02 - 4.42]
DIS. OF GENITO-URINARY SYSTEM (580-629)	5	5.36	0.93	[0.30 - 2.18]
Nephritis & nephrosis (580-589)	1	1.73	0.58	[0.01 - 3.23]
DIS. OF THE SKIN (680-739)	2	2.42	0.83	[0.10 - 2.99]
SYMPTOMS AND ILL-DEFINED CONDITIONS (780-799)	0	1.72	0.00	[0.00 - 2.14]
EXTERNAL CAUSES (E800-999)	16	11.89	1.35	[0.77 - 2.19]
Traffic accident (E810-819)	2	2.09	0.96	[0.12 - 3.46]
Suicide (E950-959)	2	3.31	0.60	[0.07 - 2.19]
Homicide (E960-969)	0	0.34	0.00	[0.00 - 10.8]
Other external causes (E800-807,E820-949,E970-999)	12	6.15	1.95	[1.01 - 3.41]
UNKNOWN CAUSES	1			
OTHER CAUSES	1			

Table 2.11.19
Mortality by cause

TOTAL COHORT

Ever highly exposed to WOOD (wood dust)

Causes of death (ICD 9th.revision)	Observed	Expected	SMR	95% Confidence intervals
ALL CAUSES	1544	1863.25	0.83	[0.79 - 0.87]
ALL MALIGNANT NEOPLASMS (140-208)	355	421.63	0.84	[0.76 - 0.93]
Oral cavity & pharynx (140-149)	9	10.96	0.82	[0.38 - 1.56]
Oral cavity (141,143-145)	3	4.18	0.72	[0.15 - 2.10]
Nasopharynx (147)	0	0.63	0.00	[0.00 - 5.82]
Oesophagus (150)	6	10.98	0.55	[0.20 - 1.19]
Stomach (151)	44	44.54	0.99	[0.72 - 1.33]
Colon (153)	22	27.39	0.80	[0.50 - 1.22]
Rectum (154)	13	17.78	0.73	[0.39 - 1.25]
Liver (155)	7	8.97	0.78	[0.31 - 1.61]
Gallbladder (156)	2	3.71	0.54	[0.07 - 1.95]
Pancreas (157)	27	22.68	1.19	[0.78 - 1.73]
Peritoneum and other unspecified organs(158-159)	2	2.27	0.88	[0.11 - 3.19]
Nose & sinuses (160)	0	1.61	0.00	[0.00 - 2.29]
Larynx (161)	12	6.24	1.92	[0.99 - 3.36]
Lung (162)	84	97.35	0.86	[0.69 - 1.07]
Pleura (163)	3	1.64	1.83	[0.38 - 5.36]
Other respiratory organs (164-165)	2	1	2.00	[0.24 - 7.22]
Bone (170)	0	1.67	0.00	[0.00 - 2.21]
Soft tissue (171)	0	1.77	0.00	[0.00 - 2.08]
Melanoma (172)	3	5.93	0.51	[0.10 - 1.48]
Other skin (173)	2	1.29	1.55	[0.19 - 5.59]
Breast (174-175)	2	4.44	0.45	[0.05 - 1.63]
Cervix uteri (180)	1	1.06	0.94	[0.02 - 5.26]
Corpus uteri & uterus unspecified (179,181-182)	1	0.79	1.27	[0.03 - 7.05]
Ovary (183)	1	1.69	0.59	[0.01 - 3.29]
Other female genital organs (184)	1	0.18	5.57	[0.14 - 31.1]
Prostate (185)	34	44.19	0.77	[0.53 - 1.08]
Testis (186)	0	1.46	0.00	[0.00 - 2.53]
Other male genital organs (187)	0	0.47	0.00	[0.00 - 7.81]
Bladder (188)	8	13.7	0.58	[0.25 - 1.15]
Kidney (189)	8	12.08	0.66	[0.29 - 1.31]
Eye (190)	1	0.63	1.58	[0.04 - 8.82]
Brain (191-192)	10	10.57	0.95	[0.45 - 1.74]
Thyroid (193)	0	1.26	0.00	[0.00 - 2.93]
Other endocrine glands (194)	0	0.54	0.00	[0.00 - 6.86]
Ill defined (195,199)	20	18.9	1.06	[0.65 - 1.63]
Lymphatic & hematopoietic tissue (200-208)	27	35.46	0.76	[0.50 - 1.11]
Non-Hodgkins lymphoma (200,202)	8	10.27	0.78	[0.34 - 1.54]
Hodgkins disease (201)	3	3.12	0.96	[0.20 - 2.81]
Multiple myeloma (203)	6	7.3	0.82	[0.30 - 1.79]
Leukemia & aleukemia (204-208)	10	14.19	0.70	[0.34 - 1.30]
Lymphoid leukemia (204)	4	3.64	1.10	[0.30 - 2.81]
Myeloid leukemia (205)	2	5.62	0.36	[0.04 - 1.28]
BENIGN NEOPLASMS (210-239)	5	8.14	0.61	[0.20 - 1.43]
DIS. OF ENDOCRINE SYSTEM & BLOOD (240-289)	19	29.01	0.65	[0.39 - 1.02]
MENTAL DISORDERS (290-319)	13	21.93	0.59	[0.32 - 1.01]
DIS. OF NERVOUS SYSTEM (320-389)	16	25.19	0.64	[0.36 - 1.03]
DIS. OF CIRCULATORY SYSTEM (390-459)	717	872.49	0.82	[0.76 - 0.88]
Hypertension (401-405)	10	20.26	0.49	[0.24 - 0.91]
Ischaemic heart disease (410-414)	449	539.4	0.83	[0.76 - 0.91]
Cerebrovascular (430-438)	139	169.29	0.82	[0.69 - 0.97]
Other heart diseases (4150,4152-4299)	65	77.27	0.84	[0.65 - 1.07]
DIS. OF RESPIRATORY SYSTEM (460-519)	104	125.04	0.83	[0.68 - 1.01]
Influenza (487)	4	3.85	1.04	[0.28 - 2.66]
Pneumonia (480-486)	52	61.62	0.84	[0.63 - 1.11]
Bronchitis,emphysema & asthma (490-493)	32	38.17	0.84	[0.57 - 1.18]
Pneumoconioses (500-508)	0	1.93	0.00	[0.00 - 1.91]
DIS. OF DIGESTIVE SYSTEM (520-579)	51	65.7	0.78	[0.58 - 1.02]
Liver cirrhosis (571)	21	23.52	0.89	[0.55 - 1.36]
DIS. OF GENITO-URINARY SYSTEM (580-629)	23	26.98	0.85	[0.54 - 1.28]
Nephritis & nephrosis (580-589)	11	11.3	0.97	[0.49 - 1.74]
DIS. OF THE SKIN (680-739)	7	6.46	1.08	[0.44 - 2.23]
SYMPTOMS AND ILL-DEFINED CONDITIONS (780-799)	34	53.36	0.64	[0.44 - 0.89]
EXTERNAL CAUSES (E800-999)	156	182.4	0.86	[0.73 - 1.00]
Traffic accident (E810-819)	19	33.3	0.57	[0.34 - 0.89]
Suicide (E950-959)	39	52.19	0.75	[0.53 - 1.02]
Homicide (E960-969)	2	5.31	0.38	[0.05 - 1.36]
Other external causes (E800-807,E820-949,E970-999)	96	91.61	1.05	[0.85 - 1.28]
UNKNOWN CAUSES	13			
OTHER CAUSES	31			

**Table 2.11.19
Mortality by cause**

TOTAL COHORT

Ever highly exposed to WOOD (wood dust)

Men

Causes of death (ICD 9th.revision)	Observed	Expected	SMR	95% Confidence intervals
ALL CAUSES	1492	1772.21	0.84	[0.80 - 0.89]
ALL MALIGNANT NEOPLASMS (140-208)	341	398.7	0.86	[0.77 - 0.95]
Oral cavity & pharynx (140-149)	9	10.72	0.84	[0.38 - 1.59]
Oral cavity (141,143-145)	3	4.08	0.73	[0.15 - 2.15]
Nasopharynx (147)	0	0.61	0.00	[0.00 - 6.00]
Oesophagus (150)	6	10.59	0.57	[0.21 - 1.23]
Stomach (151)	41	42.47	0.97	[0.69 - 1.31]
Colon (153)	22	26.1	0.84	[0.53 - 1.28]
Rectum (154)	11	16.91	0.65	[0.32 - 1.16]
Liver (155)	7	8.28	0.85	[0.34 - 1.74]
Gallbladder (156)	1	3.09	0.32	[0.01 - 1.80]
Pancreas (157)	26	21.24	1.22	[0.80 - 1.79]
Peritoneum and other unspecified organs(158-159)	2	2.04	0.98	[0.12 - 3.54]
Nose & sinuses (160)	0	1.57	0.00	[0.00 - 2.34]
Larynx (161)	12	6.2	1.93	[1.00 - 3.38]
Lung (162)	84	95.83	0.88	[0.70 - 1.09]
Pleura (163)	3	1.58	1.90	[0.39 - 5.56]
Other respiratory organs (164-165)	2	0.96	2.08	[0.25 - 7.50]
Bone (170)	0	1.58	0.00	[0.00 - 2.34]
Soft tissue (171)	0	1.66	0.00	[0.00 - 2.23]
Melanoma (172)	3	5.63	0.53	[0.11 - 1.56]
Other skin (173)	2	1.23	1.62	[0.20 - 5.85]
Breast (174-175)	0	0.36	0.00	[0.00 - 10.1]
Cervix uteri (180)	0	-	-	-
Corpus uteri & uterus unspecified (179,181-182)	0	-	-	-
Ovary (183)	0	-	-	-
Other female genital organs (184)	0	-	-	-
Prostate (185)	34	44.19	0.77	[0.53 - 1.08]
Testis (186)	0	1.46	0.00	[0.00 - 2.53]
Other male genital organs (187)	0	0.47	0.00	[0.00 - 7.81]
Bladder (188)	8	13.47	0.59	[0.26 - 1.17]
Kidney (189)	8	11.48	0.70	[0.30 - 1.37]
Eye (190)	1	0.59	1.71	[0.04 - 9.52]
Brain (191-192)	10	9.88	1.01	[0.49 - 1.86]
Thyroid (193)	0	1.09	0.00	[0.00 - 3.39]
Other endocrine glands (194)	0	0.5	0.00	[0.00 - 7.43]
Ill defined (195,199)	20	18.23	1.10	[0.67 - 1.69]
Lymphatic & hematopoietic tissue (200-208)	26	33.36	0.78	[0.51 - 1.14]
Non-Hodgkins lymphoma (200,202)	8	9.63	0.83	[0.36 - 1.64]
Hodgkins disease (201)	2	2.94	0.68	[0.08 - 2.46]
Multiple myeloma (203)	6	6.89	0.87	[0.32 - 1.90]
Leukemia & aleukemia (204-208)	10	13.36	0.75	[0.36 - 1.38]
Lymphoid leukemia (204)	4	3.46	1.16	[0.32 - 2.96]
Myeloid leukemia (205)	2	5.25	0.38	[0.05 - 1.38]
BENIGN NEOPLASMS (210-239)	5	7.61	0.66	[0.21 - 1.53]
DIS. OF ENDOCRINE SYSTEM & BLOOD (240-289)	19	27.07	0.70	[0.42 - 1.10]
MENTAL DISORDERS (290-319)	13	19.63	0.66	[0.35 - 1.13]
DIS. OF NERVOUS SYSTEM (320-389)	16	23.41	0.68	[0.39 - 1.11]
DIS. OF CIRCULATORY SYSTEM (390-459)	688	829.81	0.83	[0.77 - 0.89]
Hypertension (401-405)	10	18.8	0.53	[0.26 - 0.98]
Ischaemic heart disease (410-414)	432	518.4	0.83	[0.76 - 0.92]
Cerebrovascular (430-438)	131	157.16	0.83	[0.70 - 0.99]
Other heart diseases (4150,4152-4299)	62	72.86	0.85	[0.65 - 1.09]
DIS. OF RESPIRATORY SYSTEM (460-519)	102	120.24	0.85	[0.69 - 1.03]
Influenza (487)	4	3.61	1.11	[0.30 - 2.84]
Pneumonia (480-486)	50	58.48	0.86	[0.63 - 1.13]
Bronchitis,emphysema & asthma (490-493)	32	37.2	0.86	[0.59 - 1.21]
Pneumoconioses (500-508)	0	1.91	0.00	[0.00 - 1.93]
DIS. OF DIGESTIVE SYSTEM (520-579)	51	62.61	0.81	[0.61 - 1.07]
Liver cirrhosis (571)	21	22.85	0.92	[0.57 - 1.40]
DIS. OF GENITO-URINARY SYSTEM (580-629)	21	25.29	0.83	[0.51 - 1.27]
Nephritis & nephrosis (580-589)	11	10.66	1.03	[0.52 - 1.85]
DIS. OF THE SKIN (680-739)	6	5.5	1.09	[0.40 - 2.37]
SYMPTOMS AND ILL-DEFINED CONDITIONS (780-799)	34	52.72	0.64	[0.45 - 0.90]
EXTERNAL CAUSES (E800-999)	152	176.41	0.86	[0.73 - 1.01]
Traffic accident (E810-819)	19	32.22	0.59	[0.36 - 0.92]
Suicide (E950-959)	38	50.34	0.75	[0.53 - 1.04]
Homicide (E960-969)	2	5.06	0.40	[0.05 - 1.43]
Other external causes (E800-807,E820-949,E970-999)	93	88.8	1.05	[0.85 - 1.28]
UNKNOWN CAUSES	13			
OTHER CAUSES	31			

Table 2.11.19
Mortality by cause

TOTAL COHORT

Ever highly exposed to WOOD (wood dust)

Women

Causes of death (ICD 9th.revision)	Observed	Expected	SMR	95% Confidence intervals
ALL CAUSES	52	91.04	0.57	[0.43 - 0.75]
ALL MALIGNANT NEOPLASMS (140-208)	14	22.93	0.61	[0.33 - 1.02]
Oral cavity & pharynx (140-149)	0	0.24	0.00	[0.00 - 15.5]
Oral cavity (141,143-145)	0	0.1	0.00	[0.00 - 35.9]
Nasopharynx (147)	0	0.02	0.00	[0.00 - 0196]
Oesophagus (150)	0	0.39	0.00	[0.00 - 9.48]
Stomach (151)	3	2.08	1.45	[0.30 - 4.22]
Colon (153)	0	1.29	0.00	[0.00 - 2.85]
Rectum (154)	2	0.86	2.32	[0.28 - 8.38]
Liver (155)	0	0.69	0.00	[0.00 - 5.35]
Gallbladder (156)	1	0.62	1.62	[0.04 - 9.01]
Pancreas (157)	1	1.44	0.69	[0.02 - 3.86]
Peritoneum and other unspecified organs(158-159)	0	0.23	0.00	[0.00 - 16.3]
Nose & sinuses (160)	0	0.04	0.00	[0.00 - 96.7]
Larynx (161)	0	0.03	0.00	[0.00 - 0107]
Lung (162)	0	1.51	0.00	[0.00 - 2.44]
Pleura (163)	0	0.06	0.00	[0.00 - 61.7]
Other respiratory organs (164-165)	0	0.04	0.00	[0.00 - 97.3]
Bone (170)	0	0.09	0.00	[0.00 - 39.7]
Soft tissue (171)	0	0.11	0.00	[0.00 - 32.3]
Melanoma (172)	0	0.3	0.00	[0.00 - 12.2]
Other skin (173)	0	0.06	0.00	[0.00 - 64.8]
Breast (174-175)	2	4.08	0.49	[0.06 - 1.77]
Cervix uteri (180)	1	1.06	0.94	[0.02 - 5.26]
Corpus uteri & uterus unspecified (179,181-182)	1	0.79	1.27	[0.03 - 7.05]
Ovary (183)	1	1.69	0.59	[0.01 - 3.29]
Other female genital organs (184)	1	0.18	5.57	[0.14 - 31.1]
Prostate (185)	0	-	-	-
Testis (186)	0	-	-	-
Other male genital organs (187)	0	-	-	-
Bladder (188)	0	0.22	0.00	[0.00 - 16.5]
Kidney (189)	0	0.6	0.00	[0.00 - 6.18]
Eye (190)	0	0.05	0.00	[0.00 - 78.8]
Brain (191-192)	0	0.7	0.00	[0.00 - 5.30]
Thyroid (193)	0	0.17	0.00	[0.00 - 21.6]
Other endocrine glands (194)	0	0.04	0.00	[0.00 - 89.3]
Ill defined (195,199)	0	0.67	0.00	[0.00 - 5.53]
Lymphatic & heamatopoietic tissue (200-208)	1	2.1	0.48	[0.01 - 2.66]
Non-Hodgkins lymphoma (200,202)	0	0.64	0.00	[0.00 - 5.81]
Hodgkins disease (201)	1	0.17	5.76	[0.14 - 32.1]
Multiple myeloma (203)	0	0.41	0.00	[0.00 - 9.02]
Leukemia & aleukemia (204-208)	0	0.82	0.00	[0.00 - 4.48]
Lymphoid leukemia (204)	0	0.18	0.00	[0.00 - 20.1]
Myeloid leukemia (205)	0	0.37	0.00	[0.00 - 9.88]
BENIGN NEOPLASMS (210-239)	0	0.53	0.00	[0.00 - 6.94]
DIS. OF ENDOCRINE SYSTEM & BLOOD (240-289)	0	1.94	0.00	[0.00 - 1.90]
MENTAL DISORDERS (290-319)	0	2.3	0.00	[0.00 - 1.61]
DIS. OF NERVOUS SYSTEM (320-389)	0	1.78	0.00	[0.00 - 2.07]
DIS. OF CIRCULATORY SYSTEM (390-459)	29	42.69	0.68	[0.45 - 0.98]
Hypertension (401-405)	0	1.46	0.00	[0.00 - 2.53]
Ischaemic heart disease (410-414)	17	21	0.81	[0.47 - 1.30]
Cerebrovascular (430-438)	8	12.12	0.66	[0.28 - 1.30]
Other heart diseases (4150,4152-4299)	3	4.41	0.68	[0.14 - 1.99]
DIS. OF RESPIRATORY SYSTEM (460-519)	2	4.79	0.42	[0.05 - 1.51]
Influenza (487)	0	0.24	0.00	[0.00 - 15.1]
Pneumonia (480-486)	2	3.14	0.64	[0.08 - 2.30]
Bronchitis,emphysema & asthma (490-493)	0	0.98	0.00	[0.00 - 3.78]
Pneumoconioses (500-508)	0	0.02	0.00	[0.00 - 0153]
DIS. OF DIGESTIVE SYSTEM (520-579)	0	3.1	0.00	[0.00 - 1.19]
Liver cirrhosis (571)	0	0.67	0.00	[0.00 - 5.50]
DIS. OF GENITO-URINARY SYSTEM (580-629)	2	1.7	1.18	[0.14 - 4.26]
Nephritis & nephrosis (580-589)	0	0.65	0.00	[0.00 - 5.72]
DIS. OF THE SKIN (680-739)	1	0.95	1.05	[0.03 - 5.85]
SYMPTOMS AND ILL-DEFINED CONDITIONS (780-799)	0	0.64	0.00	[0.00 - 5.79]
EXTERNAL CAUSES (E800-999)	4	5.99	0.67	[0.18 - 1.71]
Traffic accident (E810-819)	0	1.09	0.00	[0.00 - 3.40]
Suicide (E950-959)	1	1.85	0.54	[0.01 - 3.01]
Homicide (E960-969)	0	0.25	0.00	[0.00 - 14.9]
Other external causes (E800-807,E820-949,E970-999)	3	2.81	1.07	[0.22 - 3.12]
UNKNOWN CAUSES	0			
OTHER CAUSES	0			

Table 2.12.1

Mortality from selected causes by years since first exposure to ACID (inorganic acid mist)

TOTAL COHORT

Years since first exposure (years)	0 - 16	17 - 26	27 - 37	38+	Total
ALL CAUSES	1213 / 1532.74 0.79 [0.75 - 0.84]	1206 / 1279.64 0.94 [0.89 - 1.00]	1226 / 1219.97 1.00 [0.95 - 1.06]	1187 / 1180.50 1.01 [0.95 - 1.06]	4832 / 5212.85 0.93 [0.90 - 0.95]
Test for trend : Chi2= 38.58 p=0.000					
ALL MALIGNANT NEOPLASMS (140-208)	300 / 354.93 0.85 [0.75 - 0.95]	299 / 336.58 0.89 [0.79 - 0.99]	325 / 330.64 0.98 [0.88 - 1.10]	274 / 288.68 0.95 [0.84 - 1.07]	1198 / 1310.83 0.91 [0.86 - 0.97]
Test for trend : Chi2= 3.11 p=0.078					
Larynx (161)	3 / 5.53 0.54 [0.11 - 1.59]	7 / 5.38 1.30 [0.52 - 2.68]	6 / 4.67 1.28 [0.47 - 2.80]	5 / 3.35 1.49 [0.49 - 3.49]	21 / 18.92 1.11 [0.69 - 1.70]
Test for trend : Chi2= 1.76 p=0.184					
Lung (162)	76 / 84.94 0.89 [0.70 - 1.12]	84 / 86.71 0.97 [0.77 - 1.20]	81 / 81.78 0.99 [0.79 - 1.23]	58 / 64.23 0.90 [0.69 - 1.17]	299 / 317.66 0.94 [0.84 - 1.05]
Test for trend : Chi2= 0.03 p=0.870					
Other male genital organs (187)	0 / 0.43 0.00 [0.00 - 8.58]	0 / 0.41 0.00 [0.00 - 9.04]	2 / 0.37 5.45 [0.66 - 19.7]	1 / 0.33 3.06 [0.08 - 17.1]	3 / 1.53 1.96 [0.40 - 5.72]
Test for trend : Chi2= 2.20 p=0.138					
Ischaemic heart disease (410-414)	310 / 352.18 0.88 [0.78 - 0.98]	378 / 361.71 1.05 [0.94 - 1.16]	353 / 351.31 1.00 [0.90 - 1.12]	379 / 344.01 1.10 [0.99 - 1.22]	1420 / 1409.21 1.01 [0.96 - 1.06]
Test for trend : Chi2= 6.71 p=0.010					
Bronchitis,emphysema & asthma (490-493)	27 / 30.16 0.90 [0.59 - 1.30]	30 / 31.62 0.95 [0.64 - 1.35]	47 / 29.89 1.57 [1.16 - 2.09]	39 / 31.09 1.25 [0.89 - 1.71]	143 / 122.77 1.16 [0.98 - 1.37]
Test for trend : Chi2= 3.75 p=0.053					

TOTAL COHORT

Men

Years since first exposure (years)	0 - 16	17 - 26	27 - 37	38+	Total
ALL CAUSES	1112 / 1397.81 0.80 [0.75 - 0.84]	1070 / 1149.41 0.93 [0.88 - 0.99]	1058 / 1053.86 1.00 [0.94 - 1.07]	989 / 1004.79 0.98 [0.92 - 1.05]	4229 / 4605.86 0.92 [0.89 - 0.95]
Test for trend : Chi2= 28.91 p=0.000					
ALL MALIGNANT NEOPLASMS (140-208)	258 / 308.26 0.84 [0.74 - 0.95]	257 / 292.51 0.88 [0.77 - 0.99]	266 / 278.10 0.96 [0.84 - 1.08]	231 / 246.23 0.94 [0.82 - 1.07]	1012 / 1125.10 0.90 [0.84 - 0.96]
Test for trend : Chi2= 2.36 p=0.124					
Larynx (161)	3 / 5.44 0.55 [0.11 - 1.61]	7 / 5.29 1.32 [0.53 - 2.73]	5 / 4.56 1.10 [0.36 - 2.56]	5 / 3.27 1.53 [0.50 - 3.56]	20 / 18.56 1.08 [0.66 - 1.66]
Test for trend : Chi2= 1.51 p=0.220					
Lung (162)	74 / 81.10 0.91 [0.72 - 1.15]	79 / 81.95 0.96 [0.76 - 1.20]	74 / 75.46 0.98 [0.77 - 1.23]	51 / 59.92 0.85 [0.63 - 1.12]	278 / 298.45 0.93 [0.83 - 1.05]
Test for trend : Chi2= 0.06 p=0.809					
Other male genital organs (187)	0 / 0.43 0.00 [0.00 - 8.58]	0 / 0.41 0.00 [0.00 - 9.04]	2 / 0.37 5.45 [0.66 - 19.7]	1 / 0.33 3.06 [0.08 - 17.1]	3 / 1.53 1.96 [0.40 - 5.72]
Test for trend : Chi2= 2.20 p=0.138					
Ischaemic heart disease (410-414)	296 / 335.90 0.88 [0.78 - 0.99]	346 / 336.60 1.03 [0.92 - 1.14]	316 / 315.47 1.00 [0.89 - 1.12]	319 / 302.67 1.05 [0.94 - 1.18]	1277 / 1290.64 0.99 [0.94 - 1.05]
Test for trend : Chi2= 3.98 p=0.046					
Bronchitis,emphysema & asthma (490-493)	27 / 28.14 0.96 [0.63 - 1.40]	27 / 29.44 0.92 [0.60 - 1.33]	45 / 26.96 1.67 [1.22 - 2.23]	34 / 27.81 1.22 [0.85 - 1.71]	133 / 112.34 1.18 [0.99 - 1.40]
Test for trend : Chi2= 2.80 p=0.094					

Table 2.12.2
Mortality from selected causes by years since first exposure to ASB (asbestos)

TOTAL COHORT

Years since first exposure (years)	0 - 18	19 - 29	30 - 39	40+	Total
ALL CAUSES Test for trend : Chi2= 36.31 p=0.000	1312 / 1720.67 0.76 [0.72 - 0.80]	1396 / 1563.71 0.89 [0.85 - 0.94]	1263 / 1342.44 0.94 [0.89 - 0.99]	1402 / 1466.97 0.96 [0.91 - 1.01]	5373 / 6093.79 0.88 [0.86 - 0.91]
ALL MALIGNANT NEOPLASMS (140-208) Test for trend : Chi2= 7.84 p=0.005	291 / 365.66 0.80 [0.71 - 0.89]	325 / 361.44 0.90 [0.80 - 1.00]	324 / 317.83 1.02 [0.91 - 1.14]	318 / 328.27 0.97 [0.87 - 1.08]	1258 / 1373.19 0.92 [0.87 - 0.97]
Lung (162) Test for trend : Chi2= 4.41 p=0.036	77 / 91.33 0.84 [0.67 - 1.05]	92 / 97.69 0.94 [0.76 - 1.15]	97 / 84.29 1.15 [0.93 - 1.40]	88 / 79.49 1.11 [0.89 - 1.36]	354 / 352.81 1.00 [0.90 - 1.11]
Pleura (163) Test for trend : Chi2= 0.97 p=0.325	2 / 0.99 2.02 [0.24 - 7.29]	3 / 1.56 1.92 [0.40 - 5.62]	4 / 1.63 2.46 [0.67 - 6.29]	6 / 1.60 3.75 [1.37 - 8.15]	15 / 5.78 2.60 [1.45 - 4.28]
Other male genital organs (187) Test for trend : Chi2= 0.02 p=0.885	1 / 0.44 2.27 [0.06 - 12.6]	1 / 0.42 2.39 [0.06 - 13.3]	0 / 0.37 0.00 [0.00 - 9.85]	1 / 0.38 2.65 [0.07 - 14.7]	3 / 1.61 1.86 [0.38 - 5.44]
Kidney (189) Test for trend : Chi2= 0.36 p=0.548	8 / 9.65 0.83 [0.36 - 1.63]	13 / 10.88 1.19 [0.64 - 2.04]	12 / 9.94 1.21 [0.62 - 2.11]	5 / 9.31 0.54 [0.17 - 1.25]	38 / 39.78 0.96 [0.68 - 1.31]
Ischaemic heart disease (410-414) Test for trend : Chi2= 52.73 p=0.000	294 / 434.78 0.68 [0.60 - 0.76]	404 / 497.85 0.81 [0.73 - 0.89]	439 / 434.84 1.01 [0.92 - 1.11]	506 / 462.44 1.09 [1.00 - 1.19]	1643 / 1829.92 0.90 [0.85 - 0.94]
Bronchitis, emphysema & asthma (490-493) Test for trend : Chi2= 0.17 p=0.684	25 / 26.13 0.96 [0.62 - 1.41]	27 / 37.48 0.72 [0.47 - 1.05]	34 / 37.56 0.91 [0.63 - 1.26]	32 / 41.21 0.78 [0.53 - 1.10]	118 / 142.38 0.83 [0.69 - 0.99]

TOTAL COHORT

Men

Years since first exposure (years)	0 - 18	19 - 29	30 - 39	40+	Total
ALL CAUSES Test for trend : Chi2= 33.17 p=0.000	1264 / 1641.90 0.77 [0.73 - 0.81]	1319 / 1465.06 0.90 [0.85 - 0.95]	1199 / 1267.23 0.95 [0.89 - 1.00]	1351 / 1407.63 0.96 [0.91 - 1.01]	5133 / 5781.81 0.89 [0.86 - 0.91]
ALL MALIGNANT NEOPLASMS (140-208) Test for trend : Chi2= 6.60 p=0.010	275 / 341.85 0.80 [0.71 - 0.91]	307 / 339.13 0.91 [0.81 - 1.01]	312 / 303.76 1.03 [0.92 - 1.15]	308 / 318.90 0.97 [0.86 - 1.08]	1202 / 1303.65 0.92 [0.87 - 0.98]
Lung (162) Test for trend : Chi2= 4.49 p=0.034	76 / 89.99 0.84 [0.67 - 1.06]	91 / 96.15 0.95 [0.76 - 1.16]	96 / 83.33 1.15 [0.93 - 1.41]	88 / 78.87 1.12 [0.89 - 1.37]	351 / 348.34 1.01 [0.90 - 1.12]
Pleura (163) Test for trend : Chi2= 0.43 p=0.511	2 / 0.96 2.08 [0.25 - 7.52]	3 / 1.50 2.00 [0.41 - 5.85]	4 / 1.59 2.52 [0.69 - 6.45]	5 / 1.57 3.18 [1.03 - 7.43]	14 / 5.62 2.49 [1.36 - 4.18]
Other male genital organs (187) Test for trend : Chi2= 0.02 p=0.885	1 / 0.44 2.27 [0.06 - 12.6]	1 / 0.42 2.39 [0.06 - 13.3]	0 / 0.37 0.00 [0.00 - 9.85]	1 / 0.38 2.65 [0.07 - 14.7]	3 / 1.61 1.86 [0.38 - 5.44]
Kidney (189) Test for trend : Chi2= 0.54 p=0.464	8 / 9.18 0.87 [0.38 - 1.72]	13 / 10.24 1.27 [0.68 - 2.17]	11 / 9.50 1.16 [0.58 - 2.07]	5 / 9.01 0.55 [0.18 - 1.29]	37 / 37.93 0.98 [0.69 - 1.34]
Ischaemic heart disease (410-414) Test for trend : Chi2= 49.52 p=0.000	287 / 421.26 0.68 [0.60 - 0.76]	386 / 471.51 0.82 [0.74 - 0.90]	417 / 413.90 1.01 [0.91 - 1.11]	489 / 445.77 1.10 [1.00 - 1.20]	1579 / 1752.44 0.90 [0.86 - 0.95]
Bronchitis, emphysema & asthma (490-493) Test for trend : Chi2= 0.18 p=0.675	25 / 25.39 0.98 [0.64 - 1.45]	26 / 36.39 0.71 [0.47 - 1.05]	34 / 36.78 0.92 [0.64 - 1.29]	32 / 40.65 0.79 [0.54 - 1.11]	117 / 139.21 0.84 [0.70 - 1.01]

Table 2.12.3

Mortality from selected causes by years since first exposure to BRIGH (optical brighteners in papermaking)

TOTAL COHORT

Years since first exposure (years)	0 - 12	13 - 20	21 - 27	28+	Total
ALL CAUSES Test for trend : Chi2= 33.79 p=0.000	280 / 444.02 0.63 [0.56 - 0.71]	283 / 313.41 0.90 [0.80 - 1.01]	296 / 287.60 1.03 [0.92 - 1.15]	296 / 299.67 0.99 [0.88 - 1.11]	1155 / 1344.70 0.86 [0.81 - 0.91]
ALL MALIGNANT NEOPLASMS (140-208) Test for trend : Chi2= 3.21 p=0.073	78 / 111.80 0.70 [0.55 - 0.87]	71 / 79.72 0.89 [0.70 - 1.12]	55 / 72.59 0.76 [0.57 - 0.99]	75 / 75.99 0.99 [0.78 - 1.24]	279 / 340.09 0.82 [0.73 - 0.92]
Lung (162) Test for trend : Chi2= 0.73 p=0.391	27 / 34.38 0.79 [0.52 - 1.14]	20 / 24.95 0.80 [0.49 - 1.24]	15 / 22.12 0.68 [0.38 - 1.12]	24 / 22.37 1.07 [0.69 - 1.60]	86 / 103.82 0.83 [0.66 - 1.02]
Melanoma (172) Test for trend : Chi2= 0.71 p=0.401	2 / 1.86 1.08 [0.13 - 3.89]	5 / 1.07 4.68 [1.52 - 10.9]	0 / 0.88 0.00 [0.00 - 4.20]	3 / 0.73 4.13 [0.85 - 12.1]	10 / 4.53 2.21 [1.06 - 4.06]
Other male genital organs (187)	0 / 0.16 0.00 [0.00 - 23.1]	0 / 0.10 0.00 [0.00 - 37.7]	0 / 0.10 0.00 [0.00 - 38.5]	0 / 0.09 0.00 [0.00 - 40.1]	0 / 0.45 0.00 [0.00 - 8.29]
Ischaemic heart disease (410-414) Test for trend : Chi2= 5.63 p=0.018	99 / 126.03 0.79 [0.64 - 0.96]	96 / 100.98 0.95 [0.77 - 1.16]	109 / 91.09 1.20 [0.98 - 1.44]	93 / 90.73 1.02 [0.83 - 1.26]	397 / 408.83 0.97 [0.88 - 1.07]
Bronchitis, emphysema & asthma (490-493) Test for trend : Chi2= 6.68 p=0.010	7 / 13.97 0.50 [0.20 - 1.03]	12 / 11.13 1.08 [0.56 - 1.88]	12 / 8.53 1.41 [0.73 - 2.46]	9 / 5.51 1.63 [0.75 - 3.10]	40 / 39.14 1.02 [0.73 - 1.39]

TOTAL COHORT

Men

Years since first exposure (years)	0 - 12	13 - 20	21 - 27	28+	Total
ALL CAUSES Test for trend : Chi2= 32.22 p=0.000	262 / 413.42 0.63 [0.56 - 0.72]	261 / 286.70 0.91 [0.80 - 1.03]	259 / 256.35 1.01 [0.89 - 1.14]	259 / 256.34 1.01 [0.89 - 1.14]	1041 / 1212.82 0.86 [0.81 - 0.91]
ALL MALIGNANT NEOPLASMS (140-208) Test for trend : Chi2= 2.87 p=0.090	70 / 100.92 0.69 [0.54 - 0.88]	66 / 71.63 0.92 [0.71 - 1.17]	47 / 64.25 0.73 [0.54 - 0.97]	66 / 65.95 1.00 [0.77 - 1.27]	249 / 302.75 0.82 [0.72 - 0.93]
Lung (162) Test for trend : Chi2= 0.32 p=0.572	26 / 33.09 0.79 [0.51 - 1.15]	20 / 23.77 0.84 [0.51 - 1.30]	13 / 20.68 0.63 [0.33 - 1.08]	21 / 20.44 1.03 [0.64 - 1.57]	80 / 97.98 0.82 [0.65 - 1.02]
Melanoma (172) Test for trend : Chi2= 1.57 p=0.211	1 / 1.72 0.58 [0.01 - 3.24]	5 / 0.99 5.06 [1.64 - 11.8]	0 / 0.80 0.00 [0.00 - 4.58]	3 / 0.65 4.60 [0.95 - 13.4]	9 / 4.16 2.16 [0.99 - 4.10]
Other male genital organs (187)	0 / 0.16 0.00 [0.00 - 23.1]	0 / 0.10 0.00 [0.00 - 37.7]	0 / 0.10 0.00 [0.00 - 38.5]	0 / 0.09 0.00 [0.00 - 40.1]	0 / 0.45 0.00 [0.00 - 8.29]
Ischaemic heart disease (410-414) Test for trend : Chi2= 3.39 p=0.065	96 / 120.68 0.80 [0.64 - 0.97]	93 / 94.36 0.99 [0.80 - 1.21]	94 / 82.88 1.13 [0.92 - 1.39]	79 / 79.57 0.99 [0.79 - 1.24]	362 / 377.49 0.96 [0.86 - 1.06]
Bronchitis, emphysema & asthma (490-493) Test for trend : Chi2= 5.62 p=0.018	7 / 13.28 0.53 [0.21 - 1.09]	11 / 10.44 1.05 [0.53 - 1.89]	11 / 7.93 1.39 [0.69 - 2.48]	8 / 5.06 1.58 [0.68 - 3.12]	37 / 36.71 1.01 [0.71 - 1.39]

Table 2.12.4

Mortality from selected causes by years since first exposure to CLIO (inorganic chlorine compounds)

TOTAL COHORT

Years since first exposure (years)	0 - 14	15 - 24	25 - 34	35+	Total
ALL CAUSES	720 / 904.35 0.80 [0.74 - 0.86]	762 / 814.70 0.94 [0.87 - 1.00]	756 / 761.02 0.99 [0.92 - 1.07]	729 / 699.54 1.04 [0.97 - 1.12]	2967 / 3179.60 0.93 [0.90 - 0.97]
Test for trend : Chi2= 28.04 p=0.000					
ALL MALIGNANT NEOPLASMS (140-208)	179 / 211.94 0.84 [0.73 - 0.98]	181 / 208.39 0.87 [0.75 - 1.00]	181 / 194.63 0.93 [0.80 - 1.08]	168 / 169.06 0.99 [0.85 - 1.16]	709 / 784.01 0.90 [0.84 - 0.97]
Test for trend : Chi2= 2.67 p=0.103					
Pancreas (157)	14 / 9.51 1.47 [0.80 - 2.47]	11 / 10.71 1.03 [0.51 - 1.84]	12 / 10.22 1.17 [0.61 - 2.05]	11 / 8.85 1.24 [0.62 - 2.23]	48 / 39.29 1.22 [0.90 - 1.62]
Test for trend : Chi2= 0.11 p=0.742					
Lung (162)	51 / 50.65 1.01 [0.75 - 1.32]	45 / 54.14 0.83 [0.61 - 1.11]	51 / 49.10 1.04 [0.77 - 1.37]	46 / 36.11 1.27 [0.93 - 1.70]	193 / 190.00 1.02 [0.88 - 1.17]
Test for trend : Chi2= 1.85 p=0.174					
Other male genital organs (187)	0 / 0.24 0.00 [0.00 - 15.2]	1 / 0.24 4.19 [0.10 - 23.4]	1 / 0.23 4.39 [0.11 - 24.5]	0 / 0.22 0.00 [0.00 - 16.9]	2 / 0.93 2.16 [0.26 - 7.80]
Test for trend : Chi2= 0.00 p=0.954					
Non-Hodgkins lymphoma (200,202)	4 / 5.14 0.78 [0.21 - 1.99]	5 / 4.71 1.06 [0.34 - 2.48]	5 / 4.57 1.09 [0.35 - 2.55]	5 / 3.81 1.31 [0.43 - 3.06]	19 / 18.23 1.04 [0.63 - 1.63]
Test for trend : Chi2= 0.57 p=0.448					
Ischaemic heart disease (410-414)	179 / 209.73 0.85 [0.73 - 0.99]	256 / 238.80 1.07 [0.94 - 1.21]	253 / 228.02 1.11 [0.98 - 1.26]	231 / 204.55 1.13 [0.99 - 1.28]	919 / 881.10 1.04 [0.98 - 1.11]
Test for trend : Chi2= 7.44 p=0.006					
Bronchitis, emphysema & asthma (490-493)	14 / 18.56 0.75 [0.41 - 1.27]	20 / 21.31 0.94 [0.57 - 1.45]	27 / 18.18 1.48 [0.98 - 2.16]	25 / 17.41 1.44 [0.93 - 2.12]	86 / 75.47 1.14 [0.91 - 1.41]
Test for trend : Chi2= 5.46 p=0.019					

TOTAL COHORT

Men

Years since first exposure (years)	0 - 14	15 - 24	25 - 34	35+	Total
ALL CAUSES	659 / 811.38 0.81 [0.75 - 0.88]	678 / 721.61 0.94 [0.87 - 1.01]	662 / 666.56 0.99 [0.92 - 1.07]	693 / 647.90 1.07 [0.99 - 1.15]	2692 / 2847.46 0.95 [0.91 - 0.98]
Test for trend : Chi2= 26.56 p=0.000					
ALL MALIGNANT NEOPLASMS (140-208)	156 / 179.59 0.87 [0.74 - 1.02]	159 / 179.42 0.89 [0.75 - 1.04]	152 / 170.96 0.89 [0.75 - 1.04]	160 / 158.75 1.01 [0.86 - 1.18]	627 / 688.71 0.91 [0.84 - 0.98]
Test for trend : Chi2= 1.57 p=0.210					
Pancreas (157)	14 / 8.37 1.67 [0.91 - 2.81]	8 / 9.18 0.87 [0.38 - 1.72]	9 / 8.83 1.02 [0.47 - 1.93]	11 / 8.21 1.34 [0.67 - 2.40]	42 / 34.59 1.21 [0.88 - 1.64]
Test for trend : Chi2= 0.24 p=0.624					
Lung (162)	50 / 48.36 1.03 [0.77 - 1.36]	42 / 51.08 0.82 [0.59 - 1.11]	46 / 46.05 1.00 [0.73 - 1.33]	43 / 34.91 1.23 [0.89 - 1.66]	181 / 180.40 1.00 [0.86 - 1.16]
Test for trend : Chi2= 0.97 p=0.324					
Other male genital organs (187)	0 / 0.24 0.00 [0.00 - 15.2]	1 / 0.24 4.19 [0.10 - 23.4]	1 / 0.23 4.39 [0.11 - 24.5]	0 / 0.22 0.00 [0.00 - 16.9]	2 / 0.93 2.16 [0.26 - 7.80]
Test for trend : Chi2= 0.00 p=0.954					
Non-Hodgkins lymphoma (200,202)	4 / 4.56 0.88 [0.24 - 2.25]	5 / 4.04 1.24 [0.40 - 2.89]	5 / 3.93 1.27 [0.41 - 2.97]	4 / 3.51 1.14 [0.31 - 2.92]	18 / 16.04 1.12 [0.67 - 1.77]
Test for trend : Chi2= 0.15 p=0.700					
Ischaemic heart disease (410-414)	168 / 197.25 0.85 [0.73 - 0.99]	231 / 217.61 1.06 [0.93 - 1.21]	228 / 204.19 1.12 [0.98 - 1.27]	218 / 191.82 1.14 [0.99 - 1.30]	845 / 810.86 1.04 [0.97 - 1.11]
Test for trend : Chi2= 7.75 p=0.005					
Bronchitis, emphysema & asthma (490-493)	14 / 17.20 0.81 [0.45 - 1.37]	19 / 19.53 0.97 [0.59 - 1.52]	26 / 16.77 1.55 [1.01 - 2.27]	25 / 16.77 1.49 [0.96 - 2.20]	84 / 70.27 1.20 [0.95 - 1.48]
Test for trend : Chi2= 4.92 p=0.027					

Table 2.12.5

Mortality from selected causes by years since first exposure to CLNV (nonvolatile organochlorine compounds)

TOTAL COHORT

Years since first exposure (years)	0 - 15	16 - 25	26 - 35	36+	Total
ALL CAUSES	1135 / 1384.62 0.82 [0.77 - 0.87]	1165 / 1234.30 0.94 [0.89 - 1.00]	1163 / 1154.14 1.01 [0.95 - 1.07]	1181 / 1169.08 1.01 [0.95 - 1.07]	4644 / 4942.14 0.94 [0.91 - 0.97]
Test for trend : Chi2= 28.25 p=0.000					
ALL MALIGNANT NEOPLASMS (140-208)	273 / 316.04 0.86 [0.76 - 0.97]	287 / 317.46 0.90 [0.80 - 1.01]	303 / 301.66 1.00 [0.89 - 1.12]	285 / 284.82 1.00 [0.89 - 1.12]	1148 / 1219.97 0.94 [0.89 - 1.00]
Test for trend : Chi2= 4.24 p=0.039					
Larynx (161)	3 / 4.34 0.69 [0.14 - 2.02]	8 / 4.70 1.70 [0.73 - 3.35]	6 / 3.95 1.52 [0.56 - 3.31]	3 / 3.29 0.91 [0.19 - 2.66]	20 / 16.29 1.23 [0.75 - 1.90]
Test for trend : Chi2= 0.08 p=0.775					
Lung (162)	75 / 77.56 0.97 [0.76 - 1.21]	82 / 83.87 0.98 [0.78 - 1.21]	88 / 77.36 1.14 [0.91 - 1.40]	70 / 62.01 1.13 [0.88 - 1.43]	315 / 300.81 1.05 [0.93 - 1.17]
Test for trend : Chi2= 1.48 p=0.224					
Other male genital organs (187)	2 / 0.38 5.24 [0.63 - 18.9]	0 / 0.37 0.00 [0.00 - 9.93]	2 / 0.33 6.08 [0.74 - 22.0]	1 / 0.31 3.26 [0.08 - 18.2]	5 / 1.39 3.60 [1.17 - 8.40]
Test for trend : Chi2= 0.00 p=0.995					
Ischaemic heart disease (410-414)	277 / 322.96 0.86 [0.76 - 0.96]	373 / 354.87 1.05 [0.95 - 1.16]	364 / 341.13 1.07 [0.96 - 1.18]	379 / 346.30 1.09 [0.99 - 1.21]	1393 / 1365.26 1.02 [0.97 - 1.08]
Test for trend : Chi2= 8.37 p=0.004					
Bronchitis, emphysema & asthma (490-493)	21 / 28.07 0.75 [0.46 - 1.14]	30 / 31.40 0.96 [0.64 - 1.36]	36 / 28.43 1.27 [0.89 - 1.75]	39 / 31.01 1.26 [0.89 - 1.72]	126 / 118.91 1.06 [0.88 - 1.26]
Test for trend : Chi2= 4.62 p=0.032					

TOTAL COHORT

Men

Years since first exposure (years)	0 - 15	16 - 25	26 - 35	36+	Total
ALL CAUSES	1042 / 1262.48 0.83 [0.78 - 0.88]	1030 / 1095.86 0.94 [0.88 - 1.00]	973 / 978.52 0.99 [0.93 - 1.06]	1001 / 976.46 1.03 [0.96 - 1.09]	4046 / 4313.30 0.94 [0.91 - 0.97]
Test for trend : Chi2= 26.17 p=0.000					
ALL MALIGNANT NEOPLASMS (140-208)	235 / 274.07 0.86 [0.75 - 0.97]	247 / 272.38 0.91 [0.80 - 1.03]	246 / 250.53 0.98 [0.86 - 1.11]	239 / 240.84 0.99 [0.87 - 1.13]	967 / 1037.82 0.93 [0.87 - 0.99]
Test for trend : Chi2= 3.22 p=0.073					
Larynx (161)	3 / 4.26 0.70 [0.15 - 2.06]	8 / 4.60 1.74 [0.75 - 3.42]	5 / 3.83 1.31 [0.42 - 3.05]	3 / 3.19 0.94 [0.19 - 2.75]	19 / 15.88 1.20 [0.72 - 1.87]
Test for trend : Chi2= 0.03 p=0.854					
Lung (162)	72 / 74.44 0.97 [0.76 - 1.22]	75 / 79.00 0.95 [0.75 - 1.19]	80 / 70.75 1.13 [0.90 - 1.41]	59 / 56.75 1.04 [0.79 - 1.34]	286 / 280.94 1.02 [0.90 - 1.14]
Test for trend : Chi2= 0.60 p=0.438					
Other male genital organs (187)	2 / 0.38 5.24 [0.63 - 18.9]	0 / 0.37 0.00 [0.00 - 9.93]	2 / 0.33 6.08 [0.74 - 22.0]	1 / 0.31 3.26 [0.08 - 18.2]	5 / 1.39 3.60 [1.17 - 8.40]
Test for trend : Chi2= 0.00 p=0.995					
Ischaemic heart disease (410-414)	266 / 307.94 0.86 [0.76 - 0.97]	341 / 326.86 1.04 [0.94 - 1.16]	309 / 300.52 1.03 [0.92 - 1.15]	326 / 295.31 1.10 [0.99 - 1.23]	1242 / 1230.64 1.01 [0.95 - 1.07]
Test for trend : Chi2= 7.41 p=0.006					
Bronchitis, emphysema & asthma (490-493)	20 / 26.38 0.76 [0.46 - 1.17]	27 / 28.80 0.94 [0.62 - 1.36]	34 / 24.80 1.37 [0.95 - 1.92]	34 / 26.56 1.28 [0.89 - 1.79]	115 / 106.55 1.08 [0.89 - 1.30]
Test for trend : Chi2= 4.86 p=0.028					

Table 2.12.6

Mortality from selected causes by years since first exposure to CLVO (volatile organochlorine compounds)

TOTAL COHORT

Years since first exposure (years)	0 - 17	18 - 27	28 - 37	38+	Total
ALL CAUSES Test for trend : Chi2= 53.71 p=0.000	2359 / 3002.72 0.79 [0.75 - 0.82]	2315 / 2476.00 0.93 [0.90 - 0.97]	2377 / 2472.08 0.96 [0.92 - 1.00]	2342 / 2415.02 0.97 [0.93 - 1.01]	9393 / 10365.8 0.91 [0.89 - 0.92]
ALL MALIGNANT NEOPLASMS (140-208) Test for trend : Chi2= 17.49 p=0.000	548 / 667.38 0.82 [0.75 - 0.89]	538 / 610.24 0.88 [0.81 - 0.96]	634 / 623.43 1.02 [0.94 - 1.10]	570 / 561.03 1.02 [0.93 - 1.10]	2290 / 2462.07 0.93 [0.89 - 0.97]
Pleura (163) Test for trend : Chi2= 0.73 p=0.392	6 / 1.75 3.43 [1.26 - 7.47]	5 / 2.58 1.94 [0.63 - 4.52]	3 / 3.10 0.97 [0.20 - 2.83]	6 / 2.58 2.33 [0.86 - 5.07]	20 / 10.00 2.00 [1.22 - 3.09]
Lung (162) Test for trend : Chi2= 8.87 p=0.003	141 / 160.00 0.88 [0.74 - 1.04]	151 / 156.40 0.97 [0.82 - 1.13]	187 / 154.69 1.21 [1.04 - 1.40]	138 / 117.98 1.17 [0.98 - 1.38]	617 / 589.07 1.05 [0.97 - 1.13]
Other male genital organs (187) Test for trend : Chi2= 0.00 p=0.966	2 / 0.78 2.56 [0.31 - 9.24]	1 / 0.70 1.43 [0.04 - 7.96]	3 / 0.69 4.36 [0.90 - 12.7]	1 / 0.62 1.61 [0.04 - 9.00]	7 / 2.79 2.51 [1.01 - 5.17]
Ischaemic heart disease (410-414) Test for trend : Chi2= 34.89 p=0.000	546 / 720.91 0.76 [0.70 - 0.82]	718 / 743.16 0.97 [0.90 - 1.04]	764 / 756.83 1.01 [0.94 - 1.08]	770 / 724.93 1.06 [0.99 - 1.14]	2798 / 2945.83 0.95 [0.91 - 0.99]
Bronchitis, emphysema & asthma (490-493) Test for trend : Chi2= 0.66 p=0.416	49 / 53.35 0.92 [0.68 - 1.21]	51 / 60.59 0.84 [0.63 - 1.11]	68 / 64.14 1.06 [0.82 - 1.34]	63 / 63.23 1.00 [0.77 - 1.27]	231 / 241.31 0.96 [0.84 - 1.09]

TOTAL COHORT

Men

Years since first exposure (years)	0 - 17	18 - 27	28 - 37	38+	Total
ALL CAUSES Test for trend : Chi2= 42.20 p=0.000	2167 / 2738.38 0.79 [0.76 - 0.83]	2056 / 2210.79 0.93 [0.89 - 0.97]	2072 / 2167.81 0.96 [0.92 - 1.00]	2017 / 2095.72 0.96 [0.92 - 1.01]	8312 / 9212.70 0.90 [0.88 - 0.92]
ALL MALIGNANT NEOPLASMS (140-208) Test for trend : Chi2= 13.52 p=0.000	474 / 577.59 0.82 [0.75 - 0.90]	464 / 527.35 0.88 [0.80 - 0.96]	540 / 536.50 1.01 [0.92 - 1.10]	492 / 489.93 1.00 [0.92 - 1.10]	1970 / 2131.38 0.92 [0.88 - 0.97]
Pleura (163) Test for trend : Chi2= 1.36 p=0.243	6 / 1.66 3.60 [1.32 - 7.85]	5 / 2.44 2.05 [0.66 - 4.77]	3 / 2.93 1.02 [0.21 - 2.99]	5 / 2.44 2.05 [0.66 - 4.78]	19 / 9.48 2.00 [1.21 - 3.13]
Lung (162) Test for trend : Chi2= 6.74 p=0.009	138 / 153.03 0.90 [0.76 - 1.07]	137 / 148.02 0.93 [0.78 - 1.09]	175 / 144.73 1.21 [1.04 - 1.40]	126 / 111.06 1.13 [0.95 - 1.35]	576 / 556.85 1.03 [0.95 - 1.12]
Other male genital organs (187) Test for trend : Chi2= 0.00 p=0.966	2 / 0.78 2.56 [0.31 - 9.24]	1 / 0.70 1.43 [0.04 - 7.96]	3 / 0.69 4.36 [0.90 - 12.7]	1 / 0.62 1.61 [0.04 - 9.00]	7 / 2.79 2.51 [1.01 - 5.17]
Ischaemic heart disease (410-414) Test for trend : Chi2= 31.63 p=0.000	522 / 685.41 0.76 [0.70 - 0.83]	658 / 687.53 0.96 [0.89 - 1.03]	685 / 686.81 1.00 [0.92 - 1.07]	684 / 644.10 1.06 [0.98 - 1.14]	2549 / 2703.86 0.94 [0.91 - 0.98]
Bronchitis, emphysema & asthma (490-493) Test for trend : Chi2= 0.30 p=0.583	47 / 49.76 0.94 [0.69 - 1.26]	47 / 56.24 0.84 [0.61 - 1.11]	65 / 58.67 1.11 [0.86 - 1.41]	55 / 57.35 0.96 [0.72 - 1.25]	214 / 222.01 0.96 [0.84 - 1.10]

Table 2.12.7

Mortality from selected causes by years since first exposure to COMB (combustion products)

TOTAL COHORT

Years since first exposure (years)	0 - 16	17 - 26	27 - 37	38+	Total
ALL CAUSES Test for trend : Chi2= 77.23 p=0.000	3082 / 3921.28 0.79 [0.76 - 0.81]	2903 / 3172.77 0.91 [0.88 - 0.95]	2975 / 3097.96 0.96 [0.93 - 1.00]	3085 / 3162.36 0.98 [0.94 - 1.01]	12045 / 13354.4 0.90 [0.89 - 0.92]
ALL MALIGNANT NEOPLASMS (140-208) Test for trend : Chi2= 8.83 p=0.003	726 / 870.00 0.83 [0.77 - 0.90]	731 / 788.33 0.93 [0.86 - 1.00]	779 / 785.70 0.99 [0.92 - 1.06]	705 / 735.31 0.96 [0.89 - 1.03]	2941 / 3179.34 0.93 [0.89 - 0.96]
Nose & sinuses (160) Test for trend : Chi2= 0.01 p=0.925	2 / 2.64 0.76 [0.09 - 2.73]	5 / 2.94 1.70 [0.55 - 3.97]	3 / 2.63 1.14 [0.24 - 3.34]	2 / 2.37 0.84 [0.10 - 3.05]	12 / 10.58 1.13 [0.59 - 1.98]
Larynx (161) Test for trend : Chi2= 1.39 p=0.238	11 / 13.10 0.84 [0.42 - 1.50]	9 / 11.21 0.80 [0.37 - 1.52]	16 / 9.62 1.66 [0.95 - 2.70]	8 / 7.61 1.05 [0.45 - 2.07]	44 / 41.53 1.06 [0.77 - 1.42]
Lung (162) Test for trend : Chi2= 0.20 p=0.656	190 / 209.17 0.91 [0.78 - 1.05]	210 / 198.99 1.06 [0.92 - 1.21]	203 / 193.08 1.05 [0.91 - 1.21]	156 / 165.31 0.94 [0.80 - 1.10]	759 / 766.55 0.99 [0.92 - 1.06]
Pleura (163) Test for trend : Chi2= 0.21 p=0.647	3 / 2.56 1.17 [0.24 - 3.43]	7 / 3.43 2.04 [0.82 - 4.20]	6 / 3.81 1.58 [0.58 - 3.43]	6 / 3.11 1.93 [0.71 - 4.21]	22 / 12.90 1.71 [1.07 - 2.58]
Other male genital organs (187) Test for trend : Chi2= 0.19 p=0.662	4 / 1.01 3.97 [1.08 - 10.2]	0 / 0.91 0.00 [0.00 - 4.04]	2 / 0.88 2.28 [0.28 - 8.25]	2 / 0.83 2.40 [0.29 - 8.65]	8 / 3.63 2.20 [0.95 - 4.34]
Bladder (188) Test for trend : Chi2= 0.97 p=0.326	22 / 22.70 0.97 [0.61 - 1.47]	20 / 25.54 0.78 [0.48 - 1.21]	28 / 26.27 1.07 [0.71 - 1.54]	34 / 29.68 1.15 [0.79 - 1.60]	104 / 104.19 1.00 [0.82 - 1.21]
Ischaemic heart disease (410-414) Test for trend : Chi2= 31.72 p=0.000	739 / 915.45 0.81 [0.75 - 0.87]	894 / 918.58 0.97 [0.91 - 1.04]	903 / 929.82 0.97 [0.91 - 1.04]	1039 / 965.08 1.08 [1.01 - 1.14]	3575 / 3728.93 0.96 [0.93 - 0.99]
Bronchitis, emphysema & asthma (490-493) Test for trend : Chi2= 4.46 p=0.035	54 / 72.71 0.74 [0.56 - 0.97]	64 / 79.06 0.81 [0.62 - 1.03]	83 / 78.67 1.06 [0.84 - 1.31]	83 / 82.68 1.00 [0.80 - 1.24]	284 / 313.12 0.91 [0.80 - 1.02]

TOTAL COHORT

Men

Years since first exposure (years)	0 - 16	17 - 26	27 - 37	38+	Total
ALL CAUSES Test for trend : Chi2= 64.17 p=0.000	2878 / 3631.27 0.79 [0.76 - 0.82]	2620 / 2876.94 0.91 [0.88 - 0.95]	2625 / 2727.51 0.96 [0.93 - 1.00]	2756 / 2839.63 0.97 [0.93 - 1.01]	10879 / 12075.3 0.90 [0.88 - 0.92]
ALL MALIGNANT NEOPLASMS (140-208) Test for trend : Chi2= 6.95 p=0.008	643 / 770.86 0.83 [0.77 - 0.90]	639 / 695.61 0.92 [0.85 - 0.99]	675 / 683.86 0.99 [0.91 - 1.06]	629 / 663.20 0.95 [0.88 - 1.03]	2586 / 2813.53 0.92 [0.88 - 0.96]
Nose & sinuses (160) Test for trend : Chi2= 0.01 p=0.924	2 / 2.50 0.80 [0.10 - 2.90]	5 / 2.80 1.78 [0.58 - 4.16]	3 / 2.48 1.21 [0.25 - 3.53]	2 / 2.25 0.89 [0.11 - 3.22]	12 / 10.03 1.20 [0.62 - 2.09]
Larynx (161) Test for trend : Chi2= 1.21 p=0.271	11 / 12.89 0.85 [0.43 - 1.53]	9 / 11.02 0.82 [0.37 - 1.55]	15 / 9.41 1.59 [0.89 - 2.63]	8 / 7.48 1.07 [0.46 - 2.11]	43 / 40.80 1.05 [0.76 - 1.42]
Lung (162) Test for trend : Chi2= 0.00 p=0.956	185 / 201.51 0.92 [0.79 - 1.06]	197 / 189.82 1.04 [0.90 - 1.19]	186 / 181.87 1.02 [0.88 - 1.18]	145 / 158.25 0.92 [0.77 - 1.08]	713 / 731.46 0.97 [0.90 - 1.05]
Pleura (163) Test for trend : Chi2= 0.05 p=0.824	3 / 2.45 1.23 [0.25 - 3.58]	6 / 3.25 1.84 [0.68 - 4.01]	5 / 3.58 1.40 [0.45 - 3.26]	5 / 2.97 1.68 [0.55 - 3.93]	19 / 12.25 1.55 [0.93 - 2.42]
Other male genital organs (187) Test for trend : Chi2= 0.19 p=0.662	4 / 1.01 3.97 [1.08 - 10.2]	0 / 0.91 0.00 [0.00 - 4.04]	2 / 0.88 2.28 [0.28 - 8.25]	2 / 0.83 2.40 [0.29 - 8.65]	8 / 3.63 2.20 [0.95 - 4.34]
Bladder (188) Test for trend : Chi2= 1.68 p=0.195	20 / 21.80 0.92 [0.56 - 1.42]	19 / 24.29 0.78 [0.47 - 1.22]	25 / 24.63 1.02 [0.66 - 1.50]	34 / 28.18 1.21 [0.84 - 1.69]	98 / 98.89 0.99 [0.80 - 1.21]
Ischaemic heart disease (410-414) Test for trend : Chi2= 29.45 p=0.000	713 / 879.49 0.81 [0.75 - 0.87]	828 / 860.04 0.96 [0.90 - 1.03]	817 / 849.09 0.96 [0.90 - 1.03]	952 / 884.37 1.08 [1.01 - 1.15]	3310 / 3473.00 0.95 [0.92 - 0.99]
Bronchitis, emphysema & asthma (490-493) Test for trend : Chi2= 3.22 p=0.073	52 / 68.43 0.76 [0.57 - 1.00]	59 / 73.85 0.80 [0.61 - 1.03]	79 / 71.73 1.10 [0.87 - 1.37]	74 / 76.82 0.96 [0.76 - 1.21]	264 / 290.82 0.91 [0.80 - 1.02]

Table 2.12.8
Mortality from selected causes by years since first exposure to DYES

TOTAL COHORT

Years since first exposure (years)	0 - 15	16 - 25	26 - 35	36+	Total
ALL CAUSES	1803 / 2302.79 0.78 [0.75 - 0.82]	1817 / 1945.74 0.93 [0.89 - 0.98]	1727 / 1756.85 0.98 [0.94 - 1.03]	1810 / 1894.82 0.96 [0.91 - 1.00]	7157 / 7900.20 0.91 [0.89 - 0.93]
Test for trend : Chi2= 39.26 p=0.000					
ALL MALIGNANT NEOPLASMS (140-208)	464 / 542.32 0.86 [0.78 - 0.94]	465 / 507.45 0.92 [0.83 - 1.00]	476 / 464.87 1.02 [0.93 - 1.12]	444 / 468.07 0.95 [0.86 - 1.04]	1849 / 1982.71 0.93 [0.89 - 0.98]
Test for trend : Chi2= 4.21 p=0.040					
Lung (162)	101 / 124.47 0.81 [0.66 - 0.99]	144 / 122.51 1.18 [0.99 - 1.38]	109 / 112.83 0.97 [0.79 - 1.17]	112 / 106.67 1.05 [0.86 - 1.26]	466 / 466.48 1.00 [0.91 - 1.09]
Test for trend : Chi2= 1.62 p=0.204					
Soft tissue (171)	4 / 3.24 1.23 [0.34 - 3.16]	3 / 2.29 1.31 [0.27 - 3.83]	2 / 1.76 1.14 [0.14 - 4.11]	3 / 1.47 2.03 [0.42 - 5.94]	12 / 8.76 1.37 [0.71 - 2.39]
Test for trend : Chi2= 0.27 p=0.603					
Other male genital organs (187)	0 / 0.61 0.00 [0.00 - 6.07]	0 / 0.59 0.00 [0.00 - 6.27]	0 / 0.52 0.00 [0.00 - 7.07]	2 / 0.53 3.81 [0.46 - 13.7]	2 / 2.24 0.89 [0.11 - 3.22]
Test for trend : Chi2= 3.92 p=0.048					
Bladder (188)	13 / 13.18 0.99 [0.53 - 1.69]	11 / 15.63 0.70 [0.35 - 1.26]	22 / 15.27 1.44 [0.90 - 2.18]	19 / 18.80 1.01 [0.61 - 1.58]	65 / 62.88 1.03 [0.80 - 1.32]
Test for trend : Chi2= 0.44 p=0.508					
Ischaemic heart disease (410-414)	422 / 505.38 0.84 [0.76 - 0.92]	545 / 544.08 1.00 [0.92 - 1.09]	535 / 527.50 1.01 [0.93 - 1.10]	622 / 572.23 1.09 [1.00 - 1.18]	2124 / 2149.19 0.99 [0.95 - 1.03]
Test for trend : Chi2= 15.68 p=0.000					
Bronchitis,emphysema & asthma (490-493)	38 / 41.91 0.91 [0.64 - 1.24]	41 / 46.71 0.88 [0.63 - 1.19]	51 / 45.60 1.12 [0.83 - 1.47]	49 / 55.31 0.89 [0.66 - 1.17]	179 / 189.54 0.94 [0.81 - 1.09]
Test for trend : Chi2= 0.04 p=0.840					

TOTAL COHORT

Men

Years since first exposure (years)	0 - 15	16 - 25	26 - 35	36+	Total
ALL CAUSES	1614 / 2042.74 0.79 [0.75 - 0.83]	1555 / 1687.41 0.92 [0.88 - 0.97]	1487 / 1512.38 0.98 [0.93 - 1.03]	1529 / 1618.01 0.94 [0.90 - 0.99]	6185 / 6860.54 0.90 [0.88 - 0.92]
Test for trend : Chi2= 29.94 p=0.000					
ALL MALIGNANT NEOPLASMS (140-208)	373 / 449.68 0.83 [0.75 - 0.92]	372 / 418.83 0.89 [0.80 - 0.98]	404 / 387.75 1.04 [0.94 - 1.15]	371 / 398.57 0.93 [0.84 - 1.03]	1520 / 1654.83 0.92 [0.87 - 0.97]
Test for trend : Chi2= 4.94 p=0.026					
Lung (162)	95 / 117.48 0.81 [0.65 - 0.99]	124 / 113.94 1.09 [0.91 - 1.30]	101 / 104.47 0.97 [0.79 - 1.17]	94 / 98.81 0.95 [0.77 - 1.16]	414 / 434.70 0.95 [0.86 - 1.05]
Test for trend : Chi2= 0.64 p=0.422					
Soft tissue (171)	3 / 2.74 1.09 [0.23 - 3.20]	2 / 1.86 1.07 [0.13 - 3.88]	1 / 1.43 0.70 [0.02 - 3.88]	3 / 1.21 2.47 [0.51 - 7.22]	9 / 7.25 1.24 [0.57 - 2.36]
Test for trend : Chi2= 0.62 p=0.432					
Other male genital organs (187)	0 / 0.61 0.00 [0.00 - 6.07]	0 / 0.59 0.00 [0.00 - 6.27]	0 / 0.52 0.00 [0.00 - 7.07]	2 / 0.53 3.81 [0.46 - 13.7]	2 / 2.24 0.89 [0.11 - 3.22]
Test for trend : Chi2= 3.92 p=0.048					
Bladder (188)	11 / 12.38 0.89 [0.44 - 1.59]	10 / 14.49 0.69 [0.33 - 1.27]	20 / 14.06 1.42 [0.87 - 2.20]	19 / 17.34 1.10 [0.66 - 1.71]	60 / 58.27 1.03 [0.79 - 1.33]
Test for trend : Chi2= 1.22 p=0.270					
Ischaemic heart disease (410-414)	398 / 475.36 0.84 [0.76 - 0.92]	483 / 495.88 0.97 [0.89 - 1.06]	481 / 474.90 1.01 [0.92 - 1.11]	549 / 505.33 1.09 [1.00 - 1.18]	1911 / 1951.47 0.98 [0.94 - 1.02]
Test for trend : Chi2= 15.33 p=0.000					
Bronchitis,emphysema & asthma (490-493)	36 / 38.19 0.94 [0.66 - 1.30]	38 / 42.06 0.90 [0.64 - 1.24]	48 / 40.55 1.18 [0.87 - 1.57]	42 / 49.13 0.85 [0.62 - 1.16]	164 / 169.93 0.97 [0.82 - 1.12]
Test for trend : Chi2= 0.01 p=0.939					

Table 2.12.9

Mortality from selected causes by years since first exposure to EPI (epichlorohydrine derivatives)

TOTAL COHORT

Years since first exposure (years)	0 - 14	15 - 22	23 - 31	32+	Total
ALL CAUSES	731 / 1042.52 0.70 [0.65 - 0.75]	713 / 719.71 0.99 [0.92 - 1.07]	737 / 789.03 0.93 [0.87 - 1.00]	753 / 837.17 0.90 [0.84 - 0.97]	2934 / 3388.44 0.87 [0.83 - 0.90]
Test for trend : Chi2= 19.99 p=0.000					
ALL MALIGNANT NEOPLASMS (140-208)	157 / 219.10 0.72 [0.61 - 0.84]	147 / 170.83 0.86 [0.73 - 1.01]	206 / 189.51 1.09 [0.94 - 1.25]	173 / 199.16 0.87 [0.74 - 1.01]	683 / 778.60 0.88 [0.81 - 0.95]
Test for trend : Chi2= 5.66 p=0.017					
Oral cavity & pharynx (140-149)	3 / 4.65 0.64 [0.13 - 1.88]	2 / 3.67 0.55 [0.07 - 1.97]	5 / 3.83 1.31 [0.42 - 3.05]	1 / 3.66 0.27 [0.01 - 1.52]	11 / 15.81 0.70 [0.35 - 1.25]
Test for trend : Chi2= 0.02 p=0.892					
Larynx (161)	3 / 2.87 1.05 [0.22 - 3.06]	3 / 2.30 1.30 [0.27 - 3.81]	3 / 2.23 1.35 [0.28 - 3.94]	3 / 2.11 1.42 [0.29 - 4.16]	12 / 9.51 1.26 [0.65 - 2.20]
Test for trend : Chi2= 0.14 p=0.706					
Lung (162)	40 / 47.20 0.85 [0.61 - 1.15]	50 / 42.24 1.18 [0.88 - 1.56]	55 / 49.77 1.11 [0.83 - 1.44]	50 / 50.53 0.99 [0.73 - 1.30]	195 / 189.74 1.03 [0.89 - 1.18]
Test for trend : Chi2= 0.29 p=0.590					
Pleura (163)	2 / 0.53 3.74 [0.45 - 13.5]	2 / 0.64 3.10 [0.38 - 11.2]	2 / 1.09 1.84 [0.22 - 6.63]	0 / 1.10 0.00 [0.00 - 3.34]	6 / 3.37 1.78 [0.65 - 3.87]
Test for trend : Chi2= 3.60 p=0.058					
Other male genital organs (187)	0 / 0.24 0.00 [0.00 - 15.3]	0 / 0.18 0.00 [0.00 - 20.2]	0 / 0.20 0.00 [0.00 - 18.1]	1 / 0.19 5.23 [0.13 - 29.2]	1 / 0.82 1.22 [0.03 - 6.81]
Test for trend : Chi2= 1.91 p=0.166					
Ischaemic heart disease (410-414)	123 / 223.20 0.55 [0.46 - 0.66]	202 / 204.33 0.99 [0.86 - 1.13]	229 / 239.27 0.96 [0.84 - 1.09]	276 / 256.77 1.07 [0.95 - 1.21]	830 / 923.58 0.90 [0.84 - 0.96]
Test for trend : Chi2= 31.10 p=0.000					
Bronchitis, emphysema & asthma (490-493)	9 / 14.23 0.63 [0.29 - 1.20]	14 / 16.28 0.86 [0.47 - 1.44]	14 / 23.05 0.61 [0.33 - 1.02]	24 / 26.50 0.91 [0.58 - 1.35]	61 / 80.05 0.76 [0.58 - 0.98]
Test for trend : Chi2= 0.48 p=0.489					

TOTAL COHORT

Men

Years since first exposure (years)	0 - 14	15 - 22	23 - 31	32+	Total
ALL CAUSES	646 / 920.56 0.70 [0.65 - 0.76]	615 / 614.06 1.00 [0.92 - 1.08]	613 / 647.89 0.95 [0.87 - 1.02]	596 / 678.24 0.88 [0.81 - 0.95]	2470 / 2860.75 0.86 [0.83 - 0.90]
Test for trend : Chi2= 14.91 p=0.000					
ALL MALIGNANT NEOPLASMS (140-208)	124 / 178.73 0.69 [0.58 - 0.83]	124 / 138.43 0.90 [0.75 - 1.07]	167 / 153.68 1.09 [0.93 - 1.26]	137 / 163.39 0.84 [0.70 - 0.99]	552 / 634.23 0.87 [0.80 - 0.95]
Test for trend : Chi2= 4.04 p=0.045					
Oral cavity & pharynx (140-149)	3 / 4.28 0.70 [0.14 - 2.05]	1 / 3.36 0.30 [0.01 - 1.66]	5 / 3.47 1.44 [0.47 - 3.36]	1 / 3.28 0.30 [0.01 - 1.70]	10 / 14.39 0.69 [0.33 - 1.28]
Test for trend : Chi2= 0.00 p=1.000					
Larynx (161)	3 / 2.80 1.07 [0.22 - 3.13]	3 / 2.25 1.33 [0.28 - 3.90]	3 / 2.17 1.38 [0.29 - 4.05]	2 / 2.04 0.98 [0.12 - 3.54]	11 / 9.26 1.19 [0.59 - 2.13]
Test for trend : Chi2= 0.00 p=0.980					
Lung (162)	38 / 44.76 0.85 [0.60 - 1.17]	45 / 39.47 1.14 [0.83 - 1.53]	51 / 46.36 1.10 [0.82 - 1.45]	43 / 46.80 0.92 [0.66 - 1.24]	177 / 177.40 1.00 [0.86 - 1.16]
Test for trend : Chi2= 0.07 p=0.791					
Pleura (163)	2 / 0.49 4.11 [0.50 - 14.8]	1 / 0.58 1.72 [0.04 - 9.59]	2 / 0.99 2.02 [0.24 - 7.29]	0 / 1.00 0.00 [0.00 - 3.67]	5 / 3.06 1.63 [0.53 - 3.81]
Test for trend : Chi2= 3.00 p=0.083					
Other male genital organs (187)	0 / 0.24 0.00 [0.00 - 15.3]	0 / 0.18 0.00 [0.00 - 20.2]	0 / 0.20 0.00 [0.00 - 18.1]	1 / 0.19 5.23 [0.13 - 29.2]	1 / 0.82 1.22 [0.03 - 6.81]
Test for trend : Chi2= 1.91 p=0.166					
Ischaemic heart disease (410-414)	116 / 207.15 0.56 [0.46 - 0.67]	179 / 181.27 0.99 [0.85 - 1.14]	200 / 204.61 0.98 [0.85 - 1.12]	225 / 214.79 1.05 [0.92 - 1.19]	720 / 807.82 0.89 [0.83 - 0.96]
Test for trend : Chi2= 25.26 p=0.000					
Bronchitis, emphysema & asthma (490-493)	9 / 12.97 0.69 [0.32 - 1.32]	13 / 14.58 0.89 [0.47 - 1.53]	11 / 20.51 0.54 [0.27 - 0.96]	20 / 23.29 0.86 [0.52 - 1.33]	53 / 71.35 0.74 [0.56 - 0.97]
Test for trend : Chi2= 0.05 p=0.821					

Table 2.12.10
Mortality from selected causes by years since first exposure to FORM (formaldehyde)

TOTAL COHORT

Years since first exposure (years)	0 - 14	15 - 23	24 - 33	34+	Total
ALL CAUSES Test for trend : Chi2= 74.16 p=0.000	1723 / 2271.49 0.76 [0.72 - 0.80]	1766 / 1912.35 0.92 [0.88 - 0.97]	1785 / 1835.87 0.97 [0.93 - 1.02]	1838 / 1825.15 1.01 [0.96 - 1.05]	7112 / 7844.87 0.91 [0.89 - 0.93]
ALL MALIGNANT NEOPLASMS (140-208) Test for trend : Chi2= 9.36 p=0.002	415 / 522.63 0.79 [0.72 - 0.87]	438 / 489.75 0.89 [0.81 - 0.98]	468 / 468.12 1.00 [0.91 - 1.09]	414 / 435.15 0.95 [0.86 - 1.05]	1735 / 1915.65 0.91 [0.86 - 0.95]
Pancreas (157) Test for trend : Chi2= 0.29 p=0.588	24 / 23.62 1.02 [0.65 - 1.51]	24 / 24.64 0.97 [0.62 - 1.45]	32 / 24.89 1.29 [0.88 - 1.82]	26 / 24.03 1.08 [0.71 - 1.59]	106 / 97.18 1.09 [0.89 - 1.32]
Lung (162) Test for trend : Chi2= 5.32 p=0.021	101 / 123.66 0.82 [0.67 - 0.99]	118 / 125.14 0.94 [0.78 - 1.13]	130 / 116.31 1.12 [0.93 - 1.33]	98 / 91.56 1.07 [0.87 - 1.30]	447 / 456.67 0.98 [0.89 - 1.07]
Other male genital organs (187) Test for trend : Chi2= 1.52 p=0.217	0 / 0.60 0.00 [0.00 - 6.13]	2 / 0.55 3.61 [0.44 - 13.1]	1 / 0.52 1.94 [0.05 - 10.8]	2 / 0.46 4.39 [0.53 - 15.9]	5 / 2.13 2.35 [0.76 - 5.49]
Ischaemic heart disease (410-414) Test for trend : Chi2= 25.06 p=0.000	422 / 525.28 0.80 [0.73 - 0.88]	537 / 541.78 0.99 [0.91 - 1.08]	584 / 553.63 1.05 [0.97 - 1.14]	605 / 548.04 1.10 [1.02 - 1.20]	2148 / 2168.73 0.99 [0.95 - 1.03]
Bronchitis, emphysema & asthma (490-493) Test for trend : Chi2= 14.87 p=0.000	29 / 43.84 0.66 [0.44 - 0.95]	42 / 49.74 0.84 [0.61 - 1.14]	45 / 48.04 0.94 [0.68 - 1.25]	69 / 46.96 1.47 [1.14 - 1.86]	185 / 188.58 0.98 [0.84 - 1.13]

TOTAL COHORT

Men

Years since first exposure (years)	0 - 14	15 - 23	24 - 33	34+	Total
ALL CAUSES Test for trend : Chi2= 55.47 p=0.000	1566 / 2036.90 0.77 [0.73 - 0.81]	1536 / 1671.92 0.92 [0.87 - 0.97]	1497 / 1549.03 0.97 [0.92 - 1.02]	1481 / 1484.04 1.00 [0.95 - 1.05]	6080 / 6741.89 0.90 [0.88 - 0.92]
ALL MALIGNANT NEOPLASMS (140-208) Test for trend : Chi2= 6.34 p=0.012	348 / 443.05 0.79 [0.71 - 0.87]	366 / 411.61 0.89 [0.80 - 0.99]	372 / 382.88 0.97 [0.88 - 1.08]	325 / 349.99 0.93 [0.83 - 1.04]	1411 / 1587.54 0.89 [0.84 - 0.94]
Pancreas (157) Test for trend : Chi2= 0.01 p=0.910	23 / 21.14 1.09 [0.69 - 1.63]	24 / 21.10 1.14 [0.73 - 1.69]	25 / 20.38 1.23 [0.79 - 1.81]	19 / 18.82 1.01 [0.61 - 1.58]	91 / 81.44 1.12 [0.90 - 1.37]
Lung (162) Test for trend : Chi2= 3.21 p=0.073	97 / 117.83 0.82 [0.67 - 1.00]	108 / 117.41 0.92 [0.75 - 1.11]	116 / 106.78 1.09 [0.90 - 1.30]	83 / 82.18 1.01 [0.80 - 1.25]	404 / 424.20 0.95 [0.86 - 1.05]
Other male genital organs (187) Test for trend : Chi2= 1.52 p=0.217	0 / 0.60 0.00 [0.00 - 6.13]	2 / 0.55 3.61 [0.44 - 13.1]	1 / 0.52 1.94 [0.05 - 10.8]	2 / 0.46 4.39 [0.53 - 15.9]	5 / 2.13 2.35 [0.76 - 5.49]
Ischaemic heart disease (410-414) Test for trend : Chi2= 19.90 p=0.000	405 / 498.66 0.81 [0.73 - 0.90]	485 / 496.09 0.98 [0.89 - 1.07]	514 / 489.29 1.05 [0.96 - 1.15]	506 / 466.22 1.09 [0.99 - 1.18]	1910 / 1950.26 0.98 [0.94 - 1.02]
Bronchitis, emphysema & asthma (490-493) Test for trend : Chi2= 14.75 p=0.000	27 / 40.69 0.66 [0.44 - 0.97]	39 / 45.46 0.86 [0.61 - 1.17]	39 / 42.79 0.91 [0.65 - 1.25]	62 / 40.22 1.54 [1.18 - 1.98]	167 / 169.15 0.99 [0.84 - 1.15]

Table 2.12.11

Mortality from selected causes by years since first exposure to FUNG (fungal spores and bacteria)

TOTAL COHORT

Years since first exposure (years)	0 - 16	17 - 27	28 - 38	39+	Total
ALL CAUSES Test for trend : Chi2= 48.44 p=0.000	2737 / 3442.76 0.80 [0.77 - 0.83]	2947 / 3148.27 0.94 [0.90 - 0.97]	2735 / 2805.37 0.97 [0.94 - 1.01]	2695 / 2827.35 0.95 [0.92 - 0.99]	11114 / 12223.7 0.91 [0.89 - 0.93]
ALL MALIGNANT NEOPLASMS (140-208) Test for trend : Chi2= 4.41 p=0.036	648 / 766.25 0.85 [0.78 - 0.91]	739 / 784.16 0.94 [0.88 - 1.01]	713 / 718.36 0.99 [0.92 - 1.07]	610 / 651.28 0.94 [0.86 - 1.01]	2710 / 2920.05 0.93 [0.89 - 0.96]
Nose & sinuses (160) Test for trend : Chi2= 0.00 p=0.995	2 / 2.39 0.84 [0.10 - 3.02]	5 / 3.02 1.66 [0.54 - 3.87]	3 / 2.43 1.23 [0.25 - 3.61]	2 / 2.05 0.98 [0.12 - 3.53]	12 / 9.88 1.21 [0.63 - 2.12]
Lung (162) Test for trend : Chi2= 0.38 p=0.539	155 / 176.30 0.88 [0.75 - 1.03]	216 / 192.64 1.12 [0.98 - 1.28]	182 / 174.99 1.04 [0.89 - 1.20]	141 / 145.40 0.97 [0.82 - 1.14]	694 / 689.33 1.01 [0.93 - 1.08]
Pleura (163) Test for trend : Chi2= 0.42 p=0.517	4 / 2.16 1.85 [0.50 - 4.74]	7 / 3.34 2.10 [0.84 - 4.32]	4 / 3.44 1.16 [0.32 - 2.98]	4 / 2.72 1.47 [0.40 - 3.77]	19 / 11.66 1.63 [0.98 - 2.55]
Other male genital organs (187) Test for trend : Chi2= 1.88 p=0.170	5 / 0.89 5.60 [1.82 - 13.1]	0 / 0.90 0.00 [0.00 - 4.11]	2 / 0.79 2.53 [0.31 - 9.15]	1 / 0.73 1.36 [0.03 - 7.60]	8 / 3.31 2.41 [1.04 - 4.76]
Non-Hodgkins lymphoma (200,202) Test for trend : Chi2= 1.34 p=0.247	11 / 19.61 0.56 [0.28 - 1.00]	19 / 18.92 1.00 [0.60 - 1.57]	14 / 17.22 0.81 [0.44 - 1.36]	15 / 15.13 0.99 [0.55 - 1.64]	59 / 70.87 0.83 [0.63 - 1.07]
Ischaemic heart disease (410-414) Test for trend : Chi2= 25.09 p=0.000	650 / 804.89 0.81 [0.75 - 0.87]	921 / 916.41 1.01 [0.94 - 1.07]	847 / 846.98 1.00 [0.93 - 1.07]	923 / 863.93 1.07 [1.00 - 1.14]	3341 / 3432.21 0.97 [0.94 - 1.01]
Bronchitis, emphysema & asthma (490-493) Test for trend : Chi2= 3.18 p=0.074	48 / 61.23 0.78 [0.58 - 1.04]	63 / 74.46 0.85 [0.65 - 1.08]	74 / 69.82 1.06 [0.83 - 1.33]	76 / 74.02 1.03 [0.81 - 1.29]	261 / 279.54 0.93 [0.82 - 1.05]

TOTAL COHORT

Men

Years since first exposure (years)	0 - 16	17 - 27	28 - 38	39+	Total
ALL CAUSES Test for trend : Chi2= 40.41 p=0.000	2525 / 3148.90 0.80 [0.77 - 0.83]	2622 / 2817.87 0.93 [0.90 - 0.97]	2391 / 2455.94 0.97 [0.93 - 1.01]	2398 / 2519.50 0.95 [0.91 - 0.99]	9936 / 10942.2 0.91 [0.89 - 0.93]
ALL MALIGNANT NEOPLASMS (140-208) Test for trend : Chi2= 3.43 p=0.064	564 / 665.50 0.85 [0.78 - 0.92]	634 / 680.14 0.93 [0.86 - 1.01]	610 / 619.77 0.98 [0.91 - 1.07]	546 / 585.53 0.93 [0.86 - 1.01]	2354 / 2550.93 0.92 [0.89 - 0.96]
Nose & sinuses (160) Test for trend : Chi2= 0.00 p=0.988	2 / 2.23 0.90 [0.11 - 3.24]	5 / 2.86 1.75 [0.57 - 4.08]	3 / 2.28 1.32 [0.27 - 3.84]	2 / 1.94 1.03 [0.13 - 3.73]	12 / 9.31 1.29 [0.67 - 2.25]
Lung (162) Test for trend : Chi2= 0.07 p=0.795	151 / 168.70 0.90 [0.76 - 1.05]	197 / 182.26 1.08 [0.94 - 1.24]	163 / 163.76 1.00 [0.85 - 1.16]	132 / 139.16 0.95 [0.79 - 1.12]	643 / 653.89 0.98 [0.91 - 1.06]
Pleura (163) Test for trend : Chi2= 0.29 p=0.589	4 / 2.06 1.94 [0.53 - 4.97]	6 / 3.17 1.89 [0.70 - 4.12]	4 / 3.26 1.23 [0.33 - 3.15]	4 / 2.60 1.54 [0.42 - 3.94]	18 / 11.09 1.62 [0.96 - 2.57]
Other male genital organs (187) Test for trend : Chi2= 1.88 p=0.170	5 / 0.89 5.60 [1.82 - 13.1]	0 / 0.90 0.00 [0.00 - 4.11]	2 / 0.79 2.53 [0.31 - 9.15]	1 / 0.73 1.36 [0.03 - 7.60]	8 / 3.31 2.41 [1.04 - 4.76]
Non-Hodgkins lymphoma (200,202) Test for trend : Chi2= 1.49 p=0.222	10 / 17.73 0.56 [0.27 - 1.04]	18 / 16.56 1.09 [0.64 - 1.72]	13 / 14.79 0.88 [0.47 - 1.50]	14 / 13.36 1.05 [0.57 - 1.76]	55 / 62.43 0.88 [0.66 - 1.15]
Ischaemic heart disease (410-414) Test for trend : Chi2= 22.89 p=0.000	621 / 766.55 0.81 [0.75 - 0.88]	849 / 847.50 1.00 [0.94 - 1.07]	758 / 766.32 0.99 [0.92 - 1.06]	840 / 786.04 1.07 [1.00 - 1.14]	3068 / 3166.40 0.97 [0.93 - 1.00]
Bronchitis, emphysema & asthma (490-493) Test for trend : Chi2= 2.70 p=0.100	46 / 57.15 0.80 [0.59 - 1.07]	57 / 68.86 0.83 [0.63 - 1.07]	72 / 63.40 1.14 [0.89 - 1.43]	69 / 68.57 1.01 [0.78 - 1.27]	244 / 257.98 0.95 [0.83 - 1.07]

Table 2.12.12

Mortality from selected causes by years since first exposure to HG (mercury compounds)

TOTAL COHORT

Years since first exposure (years)	0 - 15	16 - 24	25 - 35	36+	Total
ALL CAUSES Test for trend : Chi2= 32.95 p=0.000	517 / 739.78 0.70 [0.64 - 0.76]	555 / 606.94 0.91 [0.84 - 0.99]	542 / 566.30 0.96 [0.88 - 1.04]	522 / 526.57 0.99 [0.91 - 1.08]	2136 / 2439.59 0.88 [0.84 - 0.91]
ALL MALIGNANT NEOPLASMS (140-208) Test for trend : Chi2= 11.32 p=0.001	121 / 158.81 0.76 [0.63 - 0.91]	124 / 145.67 0.85 [0.71 - 1.01]	163 / 149.32 1.09 [0.93 - 1.27]	137 / 126.69 1.08 [0.91 - 1.28]	545 / 580.50 0.94 [0.86 - 1.02]
Oral cavity & pharynx (140-149) Test for trend : Chi2= 0.37 p=0.543	2 / 2.60 0.77 [0.09 - 2.78]	2 / 2.56 0.78 [0.09 - 2.82]	9 / 2.94 3.06 [1.40 - 5.81]	1 / 2.24 0.45 [0.01 - 2.49]	14 / 10.33 1.36 [0.74 - 2.27]
Liver (155) Test for trend : Chi2= 0.31 p=0.579	3 / 3.16 0.95 [0.20 - 2.77]	2 / 3.57 0.56 [0.07 - 2.03]	2 / 3.98 0.50 [0.06 - 1.82]	1 / 1.55 0.65 [0.02 - 3.60]	8 / 12.25 0.65 [0.28 - 1.29]
Lung (162) Test for trend : Chi2= 5.40 p=0.020	27 / 37.79 0.71 [0.47 - 1.04]	36 / 34.20 1.05 [0.74 - 1.46]	41 / 35.46 1.16 [0.83 - 1.57]	35 / 27.31 1.28 [0.89 - 1.78]	139 / 134.76 1.03 [0.87 - 1.22]
Pleura (163) Test for trend : Chi2= 0.03 p=0.852	2 / 0.48 4.18 [0.51 - 15.1]	1 / 0.70 1.44 [0.04 - 8.01]	1 / 0.74 1.35 [0.03 - 7.53]	3 / 0.71 4.24 [0.87 - 12.4]	7 / 2.62 2.67 [1.07 - 5.50]
Other male genital organs (187)	0 / 0.21 0.00 [0.00 - 17.7]	0 / 0.18 0.00 [0.00 - 20.2]	0 / 0.19 0.00 [0.00 - 19.0]	0 / 0.17 0.00 [0.00 - 21.4]	0 / 0.76 0.00 [0.00 - 4.87]
Ischaemic heart disease (410-414) Test for trend : Chi2= 8.81 p=0.003	165 / 198.43 0.83 [0.71 - 0.97]	176 / 187.43 0.94 [0.81 - 1.09]	168 / 174.14 0.96 [0.82 - 1.12]	187 / 162.52 1.15 [0.99 - 1.33]	696 / 722.52 0.96 [0.89 - 1.04]
Bronchitis,emphysema & asthma (490-493) Test for trend : Chi2= 0.44 p=0.507	9 / 12.11 0.74 [0.34 - 1.41]	13 / 15.00 0.87 [0.46 - 1.48]	16 / 16.83 0.95 [0.54 - 1.54]	15 / 15.44 0.97 [0.54 - 1.60]	53 / 59.38 0.89 [0.67 - 1.17]

TOTAL COHORT

Men

Years since first exposure (years)	0 - 15	16 - 24	25 - 35	36+	Total
ALL CAUSES Test for trend : Chi2= 33.17 p=0.000	465 / 675.22 0.69 [0.63 - 0.75]	509 / 551.65 0.92 [0.84 - 1.01]	515 / 538.38 0.96 [0.88 - 1.04]	504 / 505.66 1.00 [0.91 - 1.09]	1993 / 2270.92 0.88 [0.84 - 0.92]
ALL MALIGNANT NEOPLASMS (140-208) Test for trend : Chi2= 11.51 p=0.001	100 / 136.28 0.73 [0.60 - 0.89]	109 / 128.42 0.85 [0.70 - 1.02]	152 / 140.78 1.08 [0.91 - 1.27]	132 / 122.17 1.08 [0.90 - 1.28]	493 / 527.64 0.93 [0.85 - 1.02]
Oral cavity & pharynx (140-149) Test for trend : Chi2= 0.16 p=0.688	2 / 2.38 0.84 [0.10 - 3.04]	2 / 2.41 0.83 [0.10 - 3.00]	8 / 2.86 2.80 [1.21 - 5.52]	1 / 2.19 0.46 [0.01 - 2.55]	13 / 9.83 1.32 [0.70 - 2.26]
Liver (155) Test for trend : Chi2= 0.11 p=0.742	1 / 2.76 0.36 [0.01 - 2.02]	2 / 3.14 0.64 [0.08 - 2.30]	2 / 3.89 0.51 [0.06 - 1.86]	1 / 1.50 0.67 [0.02 - 3.71]	6 / 11.29 0.53 [0.20 - 1.16]
Lung (162) Test for trend : Chi2= 3.63 p=0.057	27 / 36.48 0.74 [0.49 - 1.08]	35 / 32.79 1.07 [0.74 - 1.48]	38 / 34.67 1.10 [0.78 - 1.50]	33 / 26.89 1.23 [0.84 - 1.72]	133 / 130.84 1.02 [0.85 - 1.20]
Pleura (163) Test for trend : Chi2= 0.01 p=0.923	2 / 0.43 4.60 [0.56 - 16.6]	1 / 0.65 1.54 [0.04 - 8.60]	1 / 0.73 1.37 [0.03 - 7.65]	3 / 0.70 4.27 [0.88 - 12.5]	7 / 2.51 2.78 [1.12 - 5.74]
Other male genital organs (187)	0 / 0.21 0.00 [0.00 - 17.7]	0 / 0.18 0.00 [0.00 - 20.2]	0 / 0.19 0.00 [0.00 - 19.0]	0 / 0.17 0.00 [0.00 - 21.4]	0 / 0.76 0.00 [0.00 - 4.87]
Ischaemic heart disease (410-414) Test for trend : Chi2= 10.20 p=0.001	153 / 188.79 0.81 [0.69 - 0.95]	167 / 174.58 0.96 [0.82 - 1.11]	162 / 168.04 0.96 [0.82 - 1.12]	184 / 157.75 1.17 [1.00 - 1.35]	666 / 689.16 0.97 [0.89 - 1.04]
Bronchitis,emphysema & asthma (490-493) Test for trend : Chi2= 0.58 p=0.448	8 / 11.37 0.70 [0.30 - 1.39]	13 / 14.14 0.92 [0.49 - 1.57]	16 / 16.29 0.98 [0.56 - 1.60]	15 / 15.10 0.99 [0.56 - 1.64]	52 / 56.89 0.91 [0.68 - 1.20]

Table 2.12.13
Mortality from selected causes by years since first exposure to HYDR (hydrazine)

TOTAL COHORT

Years since first exposure (years)	0 - 12	13 - 20	21 - 18	29+	Total
ALL CAUSES Test for trend : Chi2= 7.64 p=0.006	126 / 176.75 0.71 [0.59 - 0.85]	127 / 120.47 1.05 [0.88 - 1.25]	120 / 114.67 1.05 [0.87 - 1.25]	117 / 115.87 1.01 [0.84 - 1.21]	490 / 527.75 0.93 [0.85 - 1.01]
ALL MALIGNANT NEOPLASMS (140-208) Test for trend : Chi2= 0.20 p=0.658	24 / 33.53 0.72 [0.46 - 1.07]	31 / 26.96 1.15 [0.78 - 1.63]	24 / 26.67 0.90 [0.58 - 1.34]	24 / 27.23 0.88 [0.56 - 1.31]	103 / 114.39 0.90 [0.73 - 1.09]
Lung (162) Test for trend : Chi2= 0.32 p=0.571	7 / 8.66 0.81 [0.33 - 1.67]	8 / 7.67 1.04 [0.45 - 2.05]	7 / 7.51 0.93 [0.37 - 1.92]	4 / 7.32 0.55 [0.15 - 1.40]	26 / 31.16 0.83 [0.55 - 1.22]
Prostate (185) Test for trend : Chi2= 0.13 p=0.723	1 / 1.06 0.94 [0.02 - 5.25]	4 / 1.79 2.24 [0.61 - 5.74]	2 / 2.43 0.82 [0.10 - 2.97]	4 / 3.30 1.21 [0.33 - 3.10]	11 / 8.58 1.28 [0.64 - 2.29]
Other male genital organs (187)	0 / 0.03 0.00 [0.00 - 0107]	0 / 0.03 0.00 [0.00 - 0128]	0 / 0.03 0.00 [0.00 - 0124]	0 / 0.03 0.00 [0.00 - 0112]	0 / 0.13 0.00 [0.00 - 29.3]
Ischaemic heart disease (410-414) Test for trend : Chi2= 6.98 p=0.008	21 / 40.28 0.52 [0.32 - 0.80]	38 / 34.76 1.09 [0.77 - 1.50]	47 / 36.22 1.30 [0.95 - 1.73]	39 / 36.66 1.06 [0.76 - 1.45]	145 / 147.91 0.98 [0.83 - 1.15]
Bronchitis, emphysema & asthma (490-493) Test for trend : Chi2= 0.35 p=0.551	2 / 2.11 0.95 [0.11 - 3.42]	5 / 2.80 1.78 [0.58 - 4.16]	2 / 3.11 0.64 [0.08 - 2.32]	3 / 3.44 0.87 [0.18 - 2.55]	12 / 11.46 1.05 [0.54 - 1.83]

TOTAL COHORT

Men

Years since first exposure (years)	0 - 12	13 - 20	21 - 18	29+	Total
ALL CAUSES Test for trend : Chi2= 7.36 p=0.007	118 / 169.95 0.69 [0.57 - 0.83]	123 / 115.34 1.07 [0.89 - 1.27]	113 / 106.20 1.06 [0.88 - 1.28]	105 / 106.89 0.98 [0.80 - 1.19]	459 / 498.37 0.92 [0.84 - 1.01]
ALL MALIGNANT NEOPLASMS (140-208) Test for trend : Chi2= 0.41 p=0.524	21 / 31.47 0.67 [0.41 - 1.02]	29 / 25.51 1.14 [0.76 - 1.63]	22 / 24.96 0.88 [0.55 - 1.33]	23 / 25.90 0.89 [0.56 - 1.33]	95 / 107.84 0.88 [0.71 - 1.08]
Lung (162) Test for trend : Chi2= 0.25 p=0.618	7 / 8.56 0.82 [0.33 - 1.69]	7 / 7.58 0.92 [0.37 - 1.90]	7 / 7.39 0.95 [0.38 - 1.95]	4 / 7.23 0.55 [0.15 - 1.42]	25 / 30.76 0.81 [0.53 - 1.20]
Prostate (185) Test for trend : Chi2= 0.13 p=0.723	1 / 1.06 0.94 [0.02 - 5.25]	4 / 1.79 2.24 [0.61 - 5.74]	2 / 2.43 0.82 [0.10 - 2.97]	4 / 3.30 1.21 [0.33 - 3.10]	11 / 8.58 1.28 [0.64 - 2.29]
Other male genital organs (187)	0 / 0.03 0.00 [0.00 - 0107]	0 / 0.03 0.00 [0.00 - 0128]	0 / 0.03 0.00 [0.00 - 0124]	0 / 0.03 0.00 [0.00 - 0112]	0 / 0.13 0.00 [0.00 - 29.3]
Ischaemic heart disease (410-414) Test for trend : Chi2= 7.14 p=0.008	20 / 39.34 0.51 [0.31 - 0.79]	36 / 33.52 1.07 [0.75 - 1.49]	44 / 33.83 1.30 [0.94 - 1.75]	36 / 34.12 1.06 [0.74 - 1.46]	136 / 140.81 0.97 [0.81 - 1.14]
Bronchitis, emphysema & asthma (490-493) Test for trend : Chi2= 0.35 p=0.551	2 / 2.06 0.97 [0.12 - 3.51]	5 / 2.74 1.82 [0.59 - 4.25]	2 / 3.02 0.66 [0.08 - 2.39]	3 / 3.36 0.89 [0.18 - 2.61]	12 / 11.19 1.07 [0.55 - 1.87]

Table 2.12.14
Mortality from selected causes by years since first exposure to LTX (latexes)

TOTAL COHORT

Years since first exposure (years)	0 - 14	15 - 22	23 - 34	32+	Total
ALL CAUSES	829 / 1290.51 0.64 [0.60 - 0.69]	893 / 914.67 0.98 [0.91 - 1.04]	906 / 934.17 0.97 [0.91 - 1.04]	882 / 966.33 0.91 [0.85 - 0.98]	3510 / 4105.68 0.85 [0.83 - 0.88]
Test for trend : Chi2= 51.91 p=0.000					
ALL MALIGNANT NEOPLASMS (140-208)	185 / 273.79 0.68 [0.58 - 0.78]	239 / 226.76 1.05 [0.92 - 1.20]	257 / 235.64 1.09 [0.96 - 1.23]	229 / 250.22 0.92 [0.80 - 1.04]	910 / 986.41 0.92 [0.86 - 0.98]
Test for trend : Chi2= 8.98 p=0.003					
Lung (162)	45 / 57.33 0.78 [0.57 - 1.05]	75 / 53.67 1.40 [1.10 - 1.75]	65 / 58.81 1.11 [0.85 - 1.41]	58 / 62.71 0.92 [0.70 - 1.20]	243 / 232.51 1.05 [0.92 - 1.19]
Test for trend : Chi2= 0.04 p=0.848					
Pleura (163)	2 / 0.77 2.61 [0.32 - 9.43]	3 / 1.06 2.83 [0.58 - 8.26]	3 / 1.35 2.22 [0.46 - 6.47]	0 / 1.47 0.00 [0.00 - 2.52]	8 / 4.65 1.72 [0.74 - 3.39]
Test for trend : Chi2= 2.80 p=0.095					
Ovary (183)	3 / 3.38 0.89 [0.18 - 2.59]	4 / 2.41 1.66 [0.45 - 4.26]	3 / 2.03 1.48 [0.31 - 4.33]	2 / 1.62 1.24 [0.15 - 4.47]	12 / 9.43 1.27 [0.66 - 2.22]
Test for trend : Chi2= 0.18 p=0.673					
Testis (186)	3 / 3.44 0.87 [0.18 - 2.55]	2 / 0.73 2.75 [0.33 - 9.93]	0 / 0.38 0.00 [0.00 - 9.67]	1 / 0.23 4.43 [0.11 - 24.7]	6 / 4.78 1.26 [0.46 - 2.73]
Test for trend : Chi2= 1.25 p=0.263					
Other male genital organs (187)	0 / 0.31 0.00 [0.00 - 12.0]	0 / 0.25 0.00 [0.00 - 14.8]	0 / 0.25 0.00 [0.00 - 15.0]	1 / 0.24 4.23 [0.11 - 23.6]	1 / 1.04 0.96 [0.02 - 5.38]
Test for trend : Chi2= 2.00 p=0.158					
Ischaemic heart disease (410-414)	172 / 280.90 0.61 [0.52 - 0.71]	219 / 243.65 0.90 [0.78 - 1.03]	262 / 258.27 1.01 [0.90 - 1.15]	262 / 264.68 0.99 [0.87 - 1.12]	915 / 1047.50 0.87 [0.82 - 0.93]
Test for trend : Chi2= 24.85 p=0.000					
Bronchitis,emphysema & asthma (490-493)	10 / 17.24 0.58 [0.28 - 1.07]	16 / 18.18 0.88 [0.50 - 1.43]	16 / 22.03 0.73 [0.42 - 1.18]	20 / 25.79 0.78 [0.47 - 1.20]	62 / 83.24 0.74 [0.57 - 0.95]
Test for trend : Chi2= 0.21 p=0.648					

TOTAL COHORT

Men

Years since first exposure (years)	0 - 14	15 - 22	23 - 34	32+	Total
ALL CAUSES	751 / 1166.93 0.64 [0.60 - 0.69]	795 / 811.23 0.98 [0.91 - 1.05]	793 / 814.68 0.97 [0.91 - 1.04]	779 / 849.74 0.92 [0.85 - 0.98]	3118 / 3642.59 0.86 [0.83 - 0.89]
Test for trend : Chi2= 47.76 p=0.000					
ALL MALIGNANT NEOPLASMS (140-208)	155 / 233.53 0.66 [0.56 - 0.78]	208 / 196.15 1.06 [0.92 - 1.21]	223 / 207.45 1.07 [0.94 - 1.23]	201 / 226.11 0.89 [0.77 - 1.02]	787 / 863.24 0.91 [0.85 - 0.98]
Test for trend : Chi2= 6.42 p=0.011					
Lung (162)	44 / 55.15 0.80 [0.58 - 1.07]	71 / 51.41 1.38 [1.08 - 1.74]	63 / 56.70 1.11 [0.85 - 1.42]	55 / 60.95 0.90 [0.68 - 1.17]	233 / 224.20 1.04 [0.91 - 1.18]
Test for trend : Chi2= 0.00 p=0.967					
Pleura (163)	1 / 0.72 1.40 [0.03 - 7.78]	2 / 0.99 2.01 [0.24 - 7.27]	3 / 1.27 2.36 [0.49 - 6.89]	0 / 1.39 0.00 [0.00 - 2.65]	6 / 4.37 1.37 [0.50 - 2.99]
Test for trend : Chi2= 0.97 p=0.324					
Ovary (183)	0 / 0.00 [. - .]	0 / 0.00 [. - .]	0 / 0.00 [. - .]	0 / 0.00 [. - .]	0 / 0.00 [. - .]
Testis (186)	3 / 3.44 0.87 [0.18 - 2.55]	2 / 0.73 2.75 [0.33 - 9.93]	0 / 0.38 0.00 [0.00 - 9.67]	1 / 0.23 4.43 [0.11 - 24.7]	6 / 4.78 1.26 [0.46 - 2.73]
Test for trend : Chi2= 1.25 p=0.263					
Other male genital organs (187)	0 / 0.31 0.00 [0.00 - 12.0]	0 / 0.25 0.00 [0.00 - 14.8]	0 / 0.25 0.00 [0.00 - 15.0]	1 / 0.24 4.23 [0.11 - 23.6]	1 / 1.04 0.96 [0.02 - 5.38]
Test for trend : Chi2= 2.00 p=0.158					
Ischaemic heart disease (410-414)	164 / 265.39 0.62 [0.53 - 0.72]	201 / 222.16 0.90 [0.78 - 1.04]	235 / 229.23 1.03 [0.90 - 1.16]	236 / 234.29 1.01 [0.88 - 1.14]	836 / 951.06 0.88 [0.82 - 0.94]
Test for trend : Chi2= 24.44 p=0.000					
Bronchitis,emphysema & asthma (490-493)	9 / 16.06 0.56 [0.26 - 1.06]	16 / 16.87 0.95 [0.54 - 1.54]	15 / 20.57 0.73 [0.41 - 1.20]	19 / 24.45 0.78 [0.47 - 1.21]	59 / 77.95 0.76 [0.58 - 0.98]
Test for trend : Chi2= 0.17 p=0.679					

Table 2.12.15

Mortality from selected causes by years since first exposure to OILD (oils and synthetic fluids, dermal)

TOTAL COHORT

Years since first exposure (years)	0 - 17	18 - 27	28 - 38	39+	Total
ALL CAUSES	2837 / 3537.68 0.80 [0.77 - 0.83]	2586 / 2772.38 0.93 [0.90 - 0.97]	2731 / 2814.69 0.97 [0.93 - 1.01]	2834 / 2935.72 0.97 [0.93 - 1.00]	10988 / 12060.5 0.91 [0.89 - 0.93]
Test for trend : Chi2= 52.42 p=0.000					
ALL MALIGNANT NEOPLASMS (140-208)	673 / 788.07 0.85 [0.79 - 0.92]	656 / 693.75 0.95 [0.87 - 1.02]	706 / 710.38 0.99 [0.92 - 1.07]	667 / 679.75 0.98 [0.91 - 1.06]	2702 / 2871.94 0.94 [0.91 - 0.98]
Test for trend : Chi2= 7.56 p=0.006					
Lung (162)	177 / 183.95 0.96 [0.83 - 1.11]	191 / 172.23 1.11 [0.96 - 1.28]	179 / 172.58 1.04 [0.89 - 1.20]	154 / 152.08 1.01 [0.86 - 1.19]	701 / 680.85 1.03 [0.95 - 1.11]
Test for trend : Chi2= 0.08 p=0.771					
Pleura (163)	3 / 2.34 1.28 [0.26 - 3.75]	6 / 3.07 1.95 [0.72 - 4.25]	7 / 3.44 2.04 [0.82 - 4.19]	7 / 2.92 2.40 [0.97 - 4.95]	23 / 11.77 1.95 [1.24 - 2.93]
Test for trend : Chi2= 0.76 p=0.383					
Other male genital organs (187)	4 / 0.90 4.44 [1.21 - 11.4]	0 / 0.80 0.00 [0.00 - 4.63]	3 / 0.79 3.78 [0.78 - 11.0]	2 / 0.77 2.60 [0.31 - 9.38]	9 / 3.26 2.76 [1.26 - 5.24]
Test for trend : Chi2= 0.08 p=0.777					
Bladder (188)	16 / 20.00 0.80 [0.46 - 1.30]	23 / 21.66 1.06 [0.67 - 1.59]	20 / 23.83 0.84 [0.51 - 1.30]	36 / 27.85 1.29 [0.91 - 1.79]	95 / 93.34 1.02 [0.82 - 1.24]
Test for trend : Chi2= 1.99 p=0.158					
Ischaemic heart disease (410-414)	702 / 820.11 0.86 [0.79 - 0.92]	798 / 807.62 0.99 [0.92 - 1.06]	852 / 849.27 1.00 [0.94 - 1.07]	930 / 894.36 1.04 [0.97 - 1.11]	3282 / 3371.36 0.97 [0.94 - 1.01]
Test for trend : Chi2= 13.90 p=0.000					
Bronchitis,emphysema & asthma (490-493)	53 / 64.74 0.82 [0.61 - 1.07]	55 / 66.08 0.83 [0.63 - 1.08]	74 / 69.00 1.07 [0.84 - 1.35]	73 / 75.59 0.97 [0.76 - 1.21]	255 / 275.40 0.93 [0.82 - 1.05]
Test for trend : Chi2= 1.65 p=0.199					

TOTAL COHORT

Men

Years since first exposure (years)	0 - 17	18 - 27	28 - 38	39+	Total
ALL CAUSES	2626 / 3234.12 0.81 [0.78 - 0.84]	2317 / 2493.80 0.93 [0.89 - 0.97]	2407 / 2480.42 0.97 [0.93 - 1.01]	2554 / 2661.95 0.96 [0.92 - 1.00]	9904 / 10870.3 0.91 [0.89 - 0.93]
Test for trend : Chi2= 39.96 p=0.000					
ALL MALIGNANT NEOPLASMS (140-208)	587 / 684.19 0.86 [0.79 - 0.93]	572 / 606.94 0.94 [0.87 - 1.02]	609 / 621.78 0.98 [0.90 - 1.06]	603 / 620.09 0.97 [0.90 - 1.05]	2371 / 2533.00 0.94 [0.90 - 0.97]
Test for trend : Chi2= 5.20 p=0.023					
Lung (162)	171 / 175.88 0.97 [0.83 - 1.13]	177 / 163.80 1.08 [0.93 - 1.25]	168 / 163.41 1.03 [0.88 - 1.20]	144 / 146.74 0.98 [0.83 - 1.16]	660 / 649.82 1.02 [0.94 - 1.10]
Test for trend : Chi2= 0.00 p=0.989					
Pleura (163)	3 / 2.23 1.35 [0.28 - 3.94]	5 / 2.91 1.72 [0.56 - 4.01]	6 / 3.25 1.85 [0.68 - 4.02]	6 / 2.81 2.14 [0.78 - 4.65]	20 / 11.20 1.79 [1.09 - 2.76]
Test for trend : Chi2= 0.43 p=0.510					
Other male genital organs (187)	4 / 0.90 4.44 [1.21 - 11.4]	0 / 0.80 0.00 [0.00 - 4.63]	3 / 0.79 3.78 [0.78 - 11.0]	2 / 0.77 2.60 [0.31 - 9.38]	9 / 3.26 2.76 [1.26 - 5.24]
Test for trend : Chi2= 0.08 p=0.777					
Bladder (188)	15 / 19.05 0.79 [0.44 - 1.30]	21 / 20.48 1.03 [0.63 - 1.57]	18 / 22.36 0.80 [0.48 - 1.27]	36 / 26.60 1.35 [0.95 - 1.87]	90 / 88.50 1.02 [0.82 - 1.25]
Test for trend : Chi2= 2.70 p=0.100					
Ischaemic heart disease (410-414)	671 / 782.43 0.86 [0.79 - 0.93]	734 / 751.58 0.98 [0.91 - 1.05]	777 / 774.81 1.00 [0.93 - 1.08]	853 / 826.54 1.03 [0.96 - 1.10]	3035 / 3135.36 0.97 [0.93 - 1.00]
Test for trend : Chi2= 12.41 p=0.000					
Bronchitis,emphysema & asthma (490-493)	52 / 60.17 0.86 [0.65 - 1.13]	51 / 61.24 0.83 [0.62 - 1.09]	70 / 63.29 1.11 [0.86 - 1.40]	65 / 71.15 0.91 [0.71 - 1.16]	238 / 255.86 0.93 [0.82 - 1.06]
Test for trend : Chi2= 0.53 p=0.465					

Table 2.12.16

Mortality from selected causes by years since first exposure to OILI (oils and synthetic fluids, inhalatory)

TOTAL COHORT

Years since first exposure (years)	0 - 16	17 - 26	27 - 37	38+	Total
ALL CAUSES	435 / 552.16 0.79 [0.72 - 0.87]	408 / 450.28 0.91 [0.82 - 1.00]	450 / 474.53 0.95 [0.86 - 1.04]	410 / 470.12 0.87 [0.79 - 0.96]	1703 / 1947.08 0.87 [0.83 - 0.92]
Test for trend : Chi2= 2.94 p=0.087					
ALL MALIGNANT NEOPLASMS (140-208)	90 / 116.32 0.77 [0.62 - 0.95]	105 / 106.86 0.98 [0.80 - 1.19]	121 / 117.67 1.03 [0.85 - 1.23]	96 / 110.11 0.87 [0.71 - 1.06]	412 / 450.97 0.91 [0.83 - 1.01]
Test for trend : Chi2= 0.82 p=0.366					
Lung (162)	24 / 29.05 0.83 [0.53 - 1.23]	38 / 29.42 1.29 [0.91 - 1.77]	38 / 34.00 1.12 [0.79 - 1.53]	26 / 30.36 0.86 [0.56 - 1.25]	126 / 122.83 1.03 [0.85 - 1.22]
Test for trend : Chi2= 0.01 p=0.913					
Pleura (163)	1 / 0.35 2.86 [0.07 - 15.9]	3 / 0.47 6.37 [1.31 - 18.6]	1 / 0.56 1.78 [0.04 - 9.90]	1 / 0.46 2.16 [0.05 - 12.0]	6 / 1.85 3.25 [1.19 - 7.07]
Test for trend : Chi2= 0.43 p=0.512					
Other male genital organs (187)	1 / 0.12 8.01 [0.20 - 44.6]	0 / 0.11 0.00 [0.00 - 32.8]	0 / 0.12 0.00 [0.00 - 30.2]	0 / 0.10 0.00 [0.00 - 36.1]	1 / 0.46 2.17 [0.05 - 12.1]
Test for trend : Chi2= 1.68 p=0.195					
Bladder (188)	3 / 2.43 1.24 [0.26 - 3.61]	4 / 2.72 1.47 [0.40 - 3.77]	6 / 3.22 1.86 [0.68 - 4.06]	6 / 3.92 1.53 [0.56 - 3.33]	19 / 12.28 1.55 [0.93 - 2.42]
Test for trend : Chi2= 0.12 p=0.733					
Ischaemic heart disease (410-414)	93 / 130.37 0.71 [0.58 - 0.87]	117 / 132.61 0.88 [0.73 - 1.06]	138 / 147.33 0.94 [0.79 - 1.11]	152 / 150.08 1.01 [0.86 - 1.19]	500 / 560.40 0.89 [0.82 - 0.97]
Test for trend : Chi2= 7.00 p=0.008					
Bronchitis, emphysema & asthma (490-493)	9 / 8.47 1.06 [0.49 - 2.02]	11 / 9.64 1.14 [0.57 - 2.04]	8 / 11.35 0.70 [0.30 - 1.39]	8 / 12.59 0.64 [0.27 - 1.25]	36 / 42.05 0.86 [0.60 - 1.19]
Test for trend : Chi2= 1.85 p=0.174					

TOTAL COHORT

Men

Years since first exposure (years)	0 - 16	17 - 26	27 - 37	38+	Total
ALL CAUSES	414 / 524.51 0.79 [0.72 - 0.87]	380 / 421.73 0.90 [0.81 - 1.00]	427 / 449.30 0.95 [0.86 - 1.04]	404 / 462.93 0.87 [0.79 - 0.96]	1625 / 1858.47 0.87 [0.83 - 0.92]
Test for trend : Chi2= 2.80 p=0.094					
ALL MALIGNANT NEOPLASMS (140-208)	82 / 107.61 0.76 [0.61 - 0.95]	98 / 99.96 0.98 [0.80 - 1.19]	115 / 112.91 1.02 [0.84 - 1.22]	95 / 108.90 0.87 [0.71 - 1.07]	390 / 429.39 0.91 [0.82 - 1.00]
Test for trend : Chi2= 0.85 p=0.358					
Lung (162)	23 / 28.50 0.81 [0.51 - 1.21]	38 / 28.89 1.32 [0.93 - 1.81]	36 / 33.64 1.07 [0.75 - 1.48]	26 / 30.28 0.86 [0.56 - 1.26]	123 / 121.31 1.01 [0.84 - 1.21]
Test for trend : Chi2= 0.02 p=0.895					
Pleura (163)	1 / 0.34 2.96 [0.07 - 16.5]	2 / 0.45 4.42 [0.53 - 15.9]	1 / 0.55 1.82 [0.05 - 10.1]	1 / 0.46 2.18 [0.05 - 12.1]	5 / 1.80 2.78 [0.90 - 6.49]
Test for trend : Chi2= 0.23 p=0.629					
Other male genital organs (187)	1 / 0.12 8.01 [0.20 - 44.6]	0 / 0.11 0.00 [0.00 - 32.8]	0 / 0.12 0.00 [0.00 - 30.2]	0 / 0.10 0.00 [0.00 - 36.1]	1 / 0.46 2.17 [0.05 - 12.1]
Test for trend : Chi2= 1.68 p=0.195					
Bladder (188)	3 / 2.36 1.27 [0.26 - 3.71]	4 / 2.63 1.52 [0.41 - 3.89]	6 / 3.14 1.91 [0.70 - 4.16]	6 / 3.89 1.54 [0.57 - 3.36]	19 / 12.02 1.58 [0.95 - 2.47]
Test for trend : Chi2= 0.09 p=0.761					
Ischaemic heart disease (410-414)	90 / 125.66 0.72 [0.58 - 0.88]	109 / 124.96 0.87 [0.72 - 1.05]	134 / 140.38 0.95 [0.80 - 1.13]	150 / 148.27 1.01 [0.86 - 1.19]	483 / 539.27 0.90 [0.82 - 0.98]
Test for trend : Chi2= 6.99 p=0.008					
Bronchitis, emphysema & asthma (490-493)	9 / 8.12 1.11 [0.51 - 2.10]	11 / 9.29 1.18 [0.59 - 2.12]	8 / 11.08 0.72 [0.31 - 1.42]	8 / 12.51 0.64 [0.28 - 1.26]	36 / 41.00 0.88 [0.62 - 1.22]
Test for trend : Chi2= 2.08 p=0.149					

Table 2.12.17

Mortality from selected causes by years since first exposure to PUPA (pulp or paper dust)

TOTAL COHORT

Years since first exposure (years)	0 - 16	17 - 26	27 - 37	38+	Total
ALL CAUSES Test for trend : Chi2= 66.67 p=0.000	2749 / 3445.92 0.80 [0.77 - 0.83]	2668 / 2827.72 0.94 [0.91 - 0.98]	2774 / 2804.12 0.99 [0.95 - 1.03]	2841 / 2884.15 0.99 [0.95 - 1.02]	11032 / 11961.9 0.92 [0.91 - 0.94]
ALL MALIGNANT NEOPLASMS (140-208) Test for trend : Chi2= 10.85 p=0.001	651 / 779.63 0.84 [0.77 - 0.90]	680 / 712.58 0.95 [0.88 - 1.03]	713 / 719.82 0.99 [0.92 - 1.07]	676 / 679.00 1.00 [0.92 - 1.07]	2720 / 2891.04 0.94 [0.91 - 0.98]
Oral cavity & pharynx (140-149) Test for trend : Chi2= 0.04 p=0.848	13 / 19.36 0.67 [0.36 - 1.15]	12 / 18.33 0.65 [0.34 - 1.14]	13 / 16.89 0.77 [0.41 - 1.32]	9 / 13.18 0.68 [0.31 - 1.30]	47 / 67.77 0.69 [0.51 - 0.92]
Larynx (161) Test for trend : Chi2= 0.41 p=0.520	11 / 11.05 1.00 [0.50 - 1.78]	8 / 9.99 0.80 [0.35 - 1.58]	11 / 8.62 1.28 [0.64 - 2.28]	8 / 6.81 1.17 [0.51 - 2.31]	38 / 36.47 1.04 [0.74 - 1.43]
Lung (162) Test for trend : Chi2= 1.37 p=0.242	161 / 178.97 0.90 [0.77 - 1.05]	195 / 175.11 1.11 [0.96 - 1.28]	184 / 175.62 1.05 [0.90 - 1.21]	162 / 153.95 1.05 [0.90 - 1.23]	702 / 683.65 1.03 [0.95 - 1.11]
Pleura (163) Test for trend : Chi2= 0.51 p=0.477	2 / 2.33 0.86 [0.10 - 3.11]	6 / 3.04 1.97 [0.72 - 4.29]	4 / 3.47 1.15 [0.31 - 2.95]	6 / 2.96 2.02 [0.74 - 4.41]	18 / 11.80 1.53 [0.90 - 2.41]
Other male genital organs (187) Test for trend : Chi2= 0.20 p=0.653	4 / 0.90 4.46 [1.22 - 11.4]	0 / 0.82 0.00 [0.00 - 4.49]	2 / 0.79 2.52 [0.30 - 9.10]	2 / 0.75 2.67 [0.32 - 9.66]	8 / 3.26 2.45 [1.06 - 4.84]
Ischaemic heart disease (410-414) Test for trend : Chi2= 33.28 p=0.000	641 / 787.15 0.81 [0.75 - 0.88]	826 / 813.56 1.02 [0.95 - 1.09]	857 / 848.17 1.01 [0.94 - 1.08]	982 / 880.49 1.12 [1.05 - 1.19]	3306 / 3329.36 0.99 [0.96 - 1.03]
Bronchitis, emphysema & asthma (490-493) Test for trend : Chi2= 2.27 p=0.132	49 / 63.18 0.78 [0.57 - 1.03]	60 / 68.24 0.88 [0.67 - 1.13]	86 / 69.80 1.23 [0.99 - 1.52]	72 / 76.50 0.94 [0.74 - 1.19]	267 / 277.71 0.96 [0.85 - 1.08]

TOTAL COHORT

Men

Years since first exposure (years)	0 - 16	17 - 26	27 - 37	38+	Total
ALL CAUSES Test for trend : Chi2= 54.50 p=0.000	2517 / 3121.07 0.81 [0.78 - 0.84]	2359 / 2511.43 0.94 [0.90 - 0.98]	2408 / 2440.20 0.99 [0.95 - 1.03]	2496 / 2535.73 0.98 [0.95 - 1.02]	9780 / 10608.4 0.92 [0.90 - 0.94]
ALL MALIGNANT NEOPLASMS (140-208) Test for trend : Chi2= 8.56 p=0.003	558 / 666.99 0.84 [0.77 - 0.91]	578 / 610.34 0.95 [0.87 - 1.03]	603 / 615.37 0.98 [0.90 - 1.06]	596 / 601.54 0.99 [0.91 - 1.07]	2335 / 2494.25 0.94 [0.90 - 0.97]
Oral cavity & pharynx (140-149) Test for trend : Chi2= 0.03 p=0.856	13 / 18.33 0.71 [0.38 - 1.21]	11 / 17.36 0.63 [0.32 - 1.13]	12 / 15.84 0.76 [0.39 - 1.32]	9 / 12.37 0.73 [0.33 - 1.38]	45 / 63.89 0.70 [0.51 - 0.94]
Larynx (161) Test for trend : Chi2= 0.30 p=0.581	11 / 10.83 1.02 [0.51 - 1.82]	8 / 9.80 0.82 [0.35 - 1.61]	10 / 8.42 1.19 [0.57 - 2.18]	8 / 6.68 1.20 [0.52 - 2.36]	37 / 35.72 1.04 [0.73 - 1.43]
Lung (162) Test for trend : Chi2= 0.60 p=0.440	155 / 170.33 0.91 [0.77 - 1.07]	176 / 164.94 1.07 [0.92 - 1.24]	168 / 164.00 1.02 [0.88 - 1.19]	148 / 146.51 1.01 [0.85 - 1.19]	647 / 645.78 1.00 [0.93 - 1.08]
Pleura (163) Test for trend : Chi2= 0.31 p=0.577	2 / 2.21 0.91 [0.11 - 3.27]	5 / 2.87 1.74 [0.56 - 4.06]	4 / 3.28 1.22 [0.33 - 3.13]	5 / 2.83 1.77 [0.57 - 4.13]	16 / 11.19 1.43 [0.82 - 2.32]
Other male genital organs (187) Test for trend : Chi2= 0.20 p=0.653	4 / 0.90 4.46 [1.22 - 11.4]	0 / 0.82 0.00 [0.00 - 4.49]	2 / 0.79 2.52 [0.30 - 9.10]	2 / 0.75 2.67 [0.32 - 9.66]	8 / 3.26 2.45 [1.06 - 4.84]
Ischaemic heart disease (410-414) Test for trend : Chi2= 32.83 p=0.000	610 / 746.74 0.82 [0.75 - 0.88]	750 / 749.67 1.00 [0.93 - 1.07]	769 / 765.34 1.00 [0.94 - 1.08]	891 / 794.05 1.12 [1.05 - 1.20]	3020 / 3055.80 0.99 [0.95 - 1.02]
Bronchitis, emphysema & asthma (490-493) Test for trend : Chi2= 1.40 p=0.237	47 / 58.44 0.80 [0.59 - 1.07]	55 / 62.65 0.88 [0.66 - 1.14]	84 / 63.19 1.33 [1.06 - 1.65]	63 / 70.23 0.90 [0.69 - 1.15]	249 / 254.50 0.98 [0.86 - 1.11]

Table 2.12.18
Mortality from selected causes by years since first exposure to SLIM (slimicides)

TOTAL COHORT

Years since first exposure (years)	0 - 14	15 - 23	24 - 32	33+	Total
ALL CAUSES Test for trend : Chi2= 42.99 p=0.000	994 / 1285.66 0.77 [0.73 - 0.82]	951 / 1035.36 0.92 [0.86 - 0.98]	942 / 976.93 0.96 [0.90 - 1.03]	982 / 950.04 1.03 [0.97 - 1.10]	3869 / 4247.99 0.91 [0.88 - 0.94]
ALL MALIGNANT NEOPLASMS (140-208) Test for trend : Chi2= 11.10 p=0.001	228 / 295.98 0.77 [0.67 - 0.88]	225 / 263.16 0.85 [0.75 - 0.97]	252 / 246.05 1.02 [0.90 - 1.16]	235 / 234.76 1.00 [0.88 - 1.14]	940 / 1039.95 0.90 [0.85 - 0.96]
Pancreas (157) Test for trend : Chi2= 0.00 p=0.982	16 / 13.54 1.18 [0.68 - 1.92]	16 / 13.66 1.17 [0.67 - 1.90]	15 / 13.15 1.14 [0.64 - 1.88]	15 / 12.46 1.20 [0.67 - 1.99]	62 / 52.81 1.17 [0.90 - 1.50]
Lung (162) Test for trend : Chi2= 2.37 p=0.124	60 / 71.70 0.84 [0.64 - 1.08]	70 / 68.75 1.02 [0.79 - 1.29]	66 / 62.54 1.06 [0.82 - 1.34]	57 / 51.43 1.11 [0.84 - 1.44]	253 / 254.43 0.99 [0.88 - 1.12]
Soft tissue (171) Test for trend : Chi2= 0.12 p=0.725	1 / 1.67 0.60 [0.01 - 3.33]	3 / 1.10 2.72 [0.56 - 7.95]	1 / 0.93 1.07 [0.03 - 5.97]	0 / 0.76 0.00 [0.00 - 4.87]	5 / 4.47 1.12 [0.36 - 2.61]
Other male genital organs (187) Test for trend : Chi2= 0.23 p=0.629	0 / 0.32 0.00 [0.00 - 11.5]	0 / 0.29 0.00 [0.00 - 12.5]	1 / 0.28 3.58 [0.09 - 19.9]	0 / 0.29 0.00 [0.00 - 12.7]	1 / 1.18 0.84 [0.02 - 4.70]
Non-Hodgkins lymphoma (200,202) Test for trend : Chi2= 1.60 p=0.206	4 / 7.42 0.54 [0.15 - 1.38]	3 / 6.27 0.48 [0.10 - 1.40]	5 / 6.19 0.81 [0.26 - 1.88]	6 / 5.55 1.08 [0.40 - 2.35]	18 / 25.44 0.71 [0.42 - 1.12]
Ischaemic heart disease (410-414) Test for trend : Chi2= 9.40 p=0.002	255 / 300.78 0.85 [0.75 - 0.96]	320 / 301.28 1.06 [0.95 - 1.19]	295 / 292.14 1.01 [0.90 - 1.13]	315 / 277.55 1.13 [1.01 - 1.27]	1185 / 1171.75 1.01 [0.95 - 1.07]
Bronchitis, emphysema & asthma (490-493) Test for trend : Chi2= 3.90 p=0.048	19 / 26.20 0.73 [0.44 - 1.13]	27 / 27.25 0.99 [0.65 - 1.44]	20 / 23.19 0.86 [0.53 - 1.33]	30 / 21.85 1.37 [0.93 - 1.96]	96 / 98.49 0.97 [0.79 - 1.19]

TOTAL COHORT

Men

Years since first exposure (years)	0 - 14	15 - 23	24 - 32	33+	Total
ALL CAUSES Test for trend : Chi2= 34.89 p=0.000	910 / 1143.46 0.80 [0.74 - 0.85]	832 / 899.20 0.93 [0.86 - 0.99]	787 / 822.76 0.96 [0.89 - 1.03]	892 / 847.50 1.05 [0.98 - 1.12]	3421 / 3712.92 0.92 [0.89 - 0.95]
ALL MALIGNANT NEOPLASMS (140-208) Test for trend : Chi2= 7.29 p=0.007	196 / 247.77 0.79 [0.68 - 0.91]	187 / 221.39 0.84 [0.73 - 0.97]	196 / 208.08 0.94 [0.81 - 1.08]	215 / 212.56 1.01 [0.88 - 1.16]	794 / 889.81 0.89 [0.83 - 0.96]
Pancreas (157) Test for trend : Chi2= 0.35 p=0.553	16 / 11.78 1.36 [0.78 - 2.21]	14 / 11.42 1.23 [0.67 - 2.06]	10 / 10.84 0.92 [0.44 - 1.70]	13 / 11.04 1.18 [0.63 - 2.01]	53 / 45.06 1.18 [0.88 - 1.54]
Lung (162) Test for trend : Chi2= 1.26 p=0.262	59 / 68.14 0.87 [0.66 - 1.12]	61 / 64.45 0.95 [0.72 - 1.22]	58 / 58.20 1.00 [0.76 - 1.29]	52 / 48.90 1.06 [0.79 - 1.39]	230 / 239.69 0.96 [0.84 - 1.09]
Soft tissue (171) Test for trend : Chi2= 0.58 p=0.447	1 / 1.43 0.70 [0.02 - 3.89]	3 / 0.92 3.27 [0.67 - 9.55]	0 / 0.77 0.00 [0.00 - 4.81]	0 / 0.67 0.00 [0.00 - 5.53]	4 / 3.78 1.06 [0.29 - 2.71]
Other male genital organs (187) Test for trend : Chi2= 0.23 p=0.629	0 / 0.32 0.00 [0.00 - 11.5]	0 / 0.29 0.00 [0.00 - 12.5]	1 / 0.28 3.58 [0.09 - 19.9]	0 / 0.29 0.00 [0.00 - 12.7]	1 / 1.18 0.84 [0.02 - 4.70]
Non-Hodgkins lymphoma (200,202) Test for trend : Chi2= 0.94 p=0.332	3 / 6.55 0.46 [0.09 - 1.34]	3 / 5.30 0.57 [0.12 - 1.66]	5 / 5.12 0.98 [0.32 - 2.28]	4 / 4.89 0.82 [0.22 - 2.09]	15 / 21.86 0.69 [0.38 - 1.13]
Ischaemic heart disease (410-414) Test for trend : Chi2= 8.44 p=0.004	240 / 280.65 0.86 [0.75 - 0.97]	287 / 270.76 1.06 [0.94 - 1.19]	255 / 253.64 1.01 [0.89 - 1.14]	287 / 252.11 1.14 [1.01 - 1.28]	1069 / 1057.15 1.01 [0.95 - 1.07]
Bronchitis, emphysema & asthma (490-493) Test for trend : Chi2= 3.15 p=0.076	19 / 24.17 0.79 [0.47 - 1.23]	25 / 24.72 1.01 [0.65 - 1.49]	17 / 20.85 0.82 [0.47 - 1.31]	29 / 20.34 1.43 [0.95 - 2.05]	90 / 90.08 1.00 [0.80 - 1.23]

Table 2.12.19
Mortality from selected causes by years since first exposure to SO2 (sulfure dioxide)

TOTAL COHORT

Years since first exposure (years)	0 - 17	18 - 28	29 - 38	39+	Total
ALL CAUSES	1919 / 2545.26 0.75 [0.72 - 0.79]	1956 / 2145.80 0.91 [0.87 - 0.95]	1841 / 1949.32 0.94 [0.90 - 0.99]	1897 / 1973.16 0.96 [0.92 - 1.01]	7613 / 8613.54 0.88 [0.86 - 0.90]
Test for trend : Chi2= 58.16 p=0.000					
ALL MALIGNANT NEOPLASMS (140-208)	416 / 527.41 0.79 [0.71 - 0.87]	456 / 504.79 0.90 [0.82 - 0.99]	477 / 467.61 1.02 [0.93 - 1.12]	421 / 440.26 0.96 [0.87 - 1.05]	1770 / 1940.07 0.91 [0.87 - 0.96]
Test for trend : Chi2= 10.82 p=0.001					
Larynx (161)	9 / 9.05 0.99 [0.45 - 1.89]	4 / 7.51 0.53 [0.15 - 1.36]	8 / 5.17 1.55 [0.67 - 3.05]	4 / 4.06 0.99 [0.27 - 2.52]	25 / 25.79 0.97 [0.63 - 1.43]
Test for trend : Chi2= 0.29 p=0.590					
Lung (162)	111 / 118.33 0.94 [0.77 - 1.13]	129 / 124.21 1.04 [0.87 - 1.23]	139 / 113.59 1.22 [1.03 - 1.44]	109 / 94.23 1.16 [0.95 - 1.40]	488 / 450.36 1.08 [0.99 - 1.18]
Test for trend : Chi2= 3.81 p=0.051					
Pleura (163)	4 / 1.32 3.03 [0.83 - 7.76]	4 / 1.98 2.02 [0.55 - 5.18]	3 / 2.28 1.31 [0.27 - 3.84]	7 / 2.04 3.44 [1.38 - 7.08]	18 / 7.62 2.36 [1.40 - 3.74]
Test for trend : Chi2= 0.06 p=0.805					
Other male genital organs (187)	2 / 0.55 3.62 [0.44 - 13.1]	1 / 0.53 1.88 [0.05 - 10.5]	1 / 0.53 1.89 [0.05 - 10.6]	1 / 0.52 1.94 [0.05 - 10.8]	5 / 2.13 2.35 [0.76 - 5.48]
Test for trend : Chi2= 0.30 p=0.585					
Ischaemic heart disease (410-414)	419 / 582.27 0.72 [0.65 - 0.79]	599 / 649.09 0.92 [0.85 - 1.00]	616 / 613.05 1.00 [0.93 - 1.09]	671 / 612.60 1.10 [1.01 - 1.18]	2305 / 2457.01 0.94 [0.90 - 0.98]
Test for trend : Chi2= 46.18 p=0.000					
Bronchitis,emphysema & asthma (490-493)	30 / 35.03 0.86 [0.58 - 1.22]	38 / 46.19 0.82 [0.58 - 1.13]	35 / 48.62 0.72 [0.50 - 1.00]	40 / 49.88 0.80 [0.57 - 1.09]	143 / 179.72 0.80 [0.67 - 0.94]
Test for trend : Chi2= 0.16 p=0.689					

TOTAL COHORT

Men

Years since first exposure (years)	0 - 17	18 - 28	29 - 38	39+	Total
ALL CAUSES	1813 / 2391.52 0.76 [0.72 - 0.79]	1813 / 1985.56 0.91 [0.87 - 0.96]	1722 / 1805.52 0.95 [0.91 - 1.00]	1830 / 1878.78 0.97 [0.93 - 1.02]	7178 / 8061.38 0.89 [0.87 - 0.91]
Test for trend : Chi2= 59.57 p=0.000					
ALL MALIGNANT NEOPLASMS (140-208)	379 / 476.70 0.80 [0.72 - 0.88]	409 / 461.93 0.89 [0.80 - 0.98]	448 / 437.54 1.02 [0.93 - 1.12]	410 / 424.58 0.97 [0.87 - 1.06]	1646 / 1800.76 0.91 [0.87 - 0.96]
Test for trend : Chi2= 10.75 p=0.001					
Larynx (161)	9 / 8.97 1.00 [0.46 - 1.90]	4 / 7.45 0.54 [0.15 - 1.37]	8 / 5.14 1.56 [0.67 - 3.07]	4 / 4.04 0.99 [0.27 - 2.53]	25 / 25.60 0.98 [0.63 - 1.44]
Test for trend : Chi2= 0.28 p=0.596					
Lung (162)	109 / 115.44 0.94 [0.78 - 1.14]	124 / 121.10 1.02 [0.85 - 1.22]	134 / 111.36 1.20 [1.01 - 1.43]	109 / 93.17 1.17 [0.96 - 1.41]	476 / 441.07 1.08 [0.98 - 1.18]
Test for trend : Chi2= 3.79 p=0.052					
Pleura (163)	4 / 1.26 3.16 [0.86 - 8.10]	4 / 1.88 2.13 [0.58 - 5.44]	3 / 2.21 1.36 [0.28 - 3.97]	6 / 1.99 3.01 [1.11 - 6.56]	17 / 7.35 2.31 [1.35 - 3.70]
Test for trend : Chi2= 0.01 p=0.926					
Other male genital organs (187)	2 / 0.55 3.62 [0.44 - 13.1]	1 / 0.53 1.88 [0.05 - 10.5]	1 / 0.53 1.89 [0.05 - 10.6]	1 / 0.52 1.94 [0.05 - 10.8]	5 / 2.13 2.35 [0.76 - 5.48]
Test for trend : Chi2= 0.30 p=0.585					
Ischaemic heart disease (410-414)	408 / 560.84 0.73 [0.66 - 0.80]	570 / 610.49 0.93 [0.86 - 1.01]	578 / 575.36 1.00 [0.92 - 1.09]	650 / 587.35 1.11 [1.02 - 1.20]	2206 / 2334.04 0.95 [0.91 - 0.99]
Test for trend : Chi2= 43.99 p=0.000					
Bronchitis,emphysema & asthma (490-493)	29 / 33.40 0.87 [0.58 - 1.25]	36 / 44.11 0.82 [0.57 - 1.13]	35 / 46.88 0.75 [0.52 - 1.04]	40 / 48.92 0.82 [0.58 - 1.11]	140 / 173.31 0.81 [0.68 - 0.95]
Test for trend : Chi2= 0.09 p=0.760					

Table 2.12.20

Mortality from selected causes by years since first exposure to SOLD (nonchlorinated organic solvent, dermal)

TOTAL COHORT

Years since first exposure (years)	0 - 16	17 - 27	28 - 37	38+	Total
ALL CAUSES	2556 / 3251.75 0.79 [0.76 - 0.82]	2787 / 2980.21 0.94 [0.90 - 0.97]	2507 / 2596.23 0.97 [0.93 - 1.00]	2635 / 2714.66 0.97 [0.93 - 1.01]	10485 / 11542.8 0.91 [0.89 - 0.93]
Test for trend : Chi2= 58.49 p=0.000					
ALL MALIGNANT NEOPLASMS (140-208)	594 / 726.02 0.82 [0.75 - 0.89]	679 / 742.80 0.91 [0.85 - 0.99]	662 / 654.90 1.01 [0.94 - 1.09]	625 / 631.77 0.99 [0.91 - 1.07]	2560 / 2755.48 0.93 [0.89 - 0.97]
Test for trend : Chi2= 14.02 p=0.000					
Lung (162)	151 / 172.89 0.87 [0.74 - 1.02]	195 / 190.34 1.02 [0.89 - 1.18]	185 / 164.37 1.13 [0.97 - 1.30]	149 / 140.53 1.06 [0.90 - 1.24]	680 / 668.13 1.02 [0.94 - 1.10]
Test for trend : Chi2= 3.72 p=0.054					
Pleura (163)	5 / 2.00 2.49 [0.81 - 5.82]	6 / 3.07 1.95 [0.72 - 4.25]	4 / 3.17 1.26 [0.34 - 3.23]	8 / 2.92 2.74 [1.18 - 5.39]	23 / 11.17 2.06 [1.31 - 3.09]
Test for trend : Chi2= 0.01 p=0.912					
Soft tissue (171)	7 / 4.11 1.70 [0.68 - 3.51]	2 / 3.18 0.63 [0.08 - 2.27]	1 / 2.40 0.42 [0.01 - 2.32]	5 / 2.10 2.38 [0.77 - 5.55]	15 / 11.79 1.27 [0.71 - 2.10]
Test for trend : Chi2= 0.04 p=0.846					
Other male genital organs (187)	2 / 0.83 2.41 [0.29 - 8.72]	0 / 0.85 0.00 [0.00 - 4.32]	3 / 0.73 4.09 [0.84 - 11.9]	1 / 0.70 1.42 [0.04 - 7.94]	6 / 3.12 1.92 [0.71 - 4.19]
Test for trend : Chi2= 0.03 p=0.859					
Non-Hodgkins lymphoma (200,202)	10 / 18.30 0.55 [0.26 - 1.00]	21 / 17.76 1.18 [0.73 - 1.81]	18 / 15.73 1.14 [0.68 - 1.81]	10 / 15.32 0.65 [0.31 - 1.20]	59 / 67.11 0.88 [0.67 - 1.13]
Test for trend : Chi2= 0.15 p=0.699					
Ischaemic heart disease (410-414)	598 / 745.62 0.80 [0.74 - 0.87]	842 / 878.80 0.96 [0.89 - 1.03]	793 / 799.13 0.99 [0.92 - 1.06]	902 / 829.73 1.09 [1.02 - 1.16]	3135 / 3253.28 0.96 [0.93 - 1.00]
Test for trend : Chi2= 31.78 p=0.000					
Bronchitis,emphysema & asthma (490-493)	56 / 59.47 0.94 [0.71 - 1.22]	62 / 72.06 0.86 [0.66 - 1.10]	73 / 66.11 1.10 [0.87 - 1.39]	60 / 73.01 0.82 [0.63 - 1.06]	251 / 270.66 0.93 [0.82 - 1.05]
Test for trend : Chi2= 0.07 p=0.794					

TOTAL COHORT

Men

Years since first exposure (years)	0 - 16	17 - 27	28 - 37	38+	Total
ALL CAUSES	2354 / 2967.06 0.79 [0.76 - 0.83]	2508 / 2678.72 0.94 [0.90 - 0.97]	2216 / 2314.68 0.96 [0.92 - 1.00]	2342 / 2423.41 0.97 [0.93 - 1.01]	9420 / 10383.9 0.91 [0.89 - 0.93]
Test for trend : Chi2= 45.56 p=0.000					
ALL MALIGNANT NEOPLASMS (140-208)	510 / 628.68 0.81 [0.74 - 0.88]	591 / 648.84 0.91 [0.84 - 0.99]	576 / 575.78 1.00 [0.92 - 1.09]	555 / 568.28 0.98 [0.90 - 1.06]	2232 / 2421.57 0.92 [0.88 - 0.96]
Test for trend : Chi2= 11.38 p=0.001					
Lung (162)	146 / 165.17 0.88 [0.75 - 1.04]	180 / 180.86 1.00 [0.86 - 1.15]	173 / 155.52 1.11 [0.95 - 1.29]	139 / 134.78 1.03 [0.87 - 1.22]	638 / 636.32 1.00 [0.93 - 1.08]
Test for trend : Chi2= 2.61 p=0.106					
Pleura (163)	4 / 1.90 2.10 [0.57 - 5.38]	6 / 2.92 2.06 [0.75 - 4.48]	4 / 3.03 1.32 [0.36 - 3.38]	7 / 2.81 2.49 [1.00 - 5.14]	21 / 10.66 1.97 [1.22 - 3.01]
Test for trend : Chi2= 0.02 p=0.880					
Soft tissue (171)	5 / 3.62 1.38 [0.45 - 3.22]	2 / 2.75 0.73 [0.09 - 2.62]	1 / 2.07 0.48 [0.01 - 2.70]	4 / 1.83 2.18 [0.59 - 5.58]	12 / 10.28 1.17 [0.60 - 2.04]
Test for trend : Chi2= 0.16 p=0.690					
Other male genital organs (187)	2 / 0.83 2.41 [0.29 - 8.72]	0 / 0.85 0.00 [0.00 - 4.32]	3 / 0.73 4.09 [0.84 - 11.9]	1 / 0.70 1.42 [0.04 - 7.94]	6 / 3.12 1.92 [0.71 - 4.19]
Test for trend : Chi2= 0.03 p=0.859					
Non-Hodgkins lymphoma (200,202)	9 / 16.54 0.54 [0.25 - 1.03]	19 / 15.65 1.21 [0.73 - 1.90]	17 / 13.75 1.24 [0.72 - 1.98]	9 / 13.55 0.66 [0.30 - 1.26]	54 / 59.49 0.91 [0.68 - 1.18]
Test for trend : Chi2= 0.23 p=0.631					
Ischaemic heart disease (410-414)	574 / 710.60 0.81 [0.74 - 0.88]	777 / 816.75 0.95 [0.89 - 1.02]	715 / 734.00 0.97 [0.90 - 1.05]	832 / 755.87 1.10 [1.03 - 1.18]	2898 / 3017.23 0.96 [0.93 - 1.00]
Test for trend : Chi2= 30.85 p=0.000					
Bronchitis,emphysema & asthma (490-493)	54 / 55.27 0.98 [0.73 - 1.27]	58 / 66.97 0.87 [0.66 - 1.12]	70 / 61.43 1.14 [0.89 - 1.44]	54 / 68.28 0.79 [0.59 - 1.03]	236 / 251.95 0.94 [0.82 - 1.06]
Test for trend : Chi2= 0.32 p=0.569					

Table 2.12.21

Mortality from selected causes by years since first exposure to SOLI (nonchlorinated organic solvent, inhalatory)

TOTAL COHORT

Years since first exposure (years)	0 - 16	17 - 26	27 - 37	38+	Total
ALL CAUSES Test for trend : Chi2= 57.50 p=0.000	2656 / 3360.92 0.79 [0.76 - 0.82]	2604 / 2781.07 0.94 [0.90 - 0.97]	2802 / 2888.67 0.97 [0.93 - 1.01]	2606 / 2694.31 0.97 [0.93 - 1.01]	10668 / 11725.0 0.91 [0.89 - 0.93]
ALL MALIGNANT NEOPLASMS (140-208) Test for trend : Chi2= 11.90 p=0.001	626 / 750.29 0.83 [0.77 - 0.90]	635 / 693.39 0.92 [0.85 - 0.99]	734 / 728.24 1.01 [0.94 - 1.08]	619 / 626.86 0.99 [0.91 - 1.07]	2614 / 2798.78 0.93 [0.90 - 0.97]
Lung (162) Test for trend : Chi2= 3.72 p=0.054	160 / 178.96 0.89 [0.76 - 1.04]	179 / 177.87 1.01 [0.86 - 1.17]	205 / 183.27 1.12 [0.97 - 1.28]	149 / 138.88 1.07 [0.91 - 1.26]	693 / 678.98 1.02 [0.95 - 1.10]
Pleura (163) Test for trend : Chi2= 0.02 p=0.893	6 / 2.09 2.87 [1.05 - 6.25]	5 / 2.85 1.76 [0.57 - 4.10]	4 / 3.51 1.14 [0.31 - 2.92]	8 / 2.92 2.74 [1.18 - 5.40]	23 / 11.37 2.02 [1.28 - 3.04]
Soft tissue (171) Test for trend : Chi2= 0.03 p=0.865	7 / 4.24 1.65 [0.66 - 3.40]	2 / 2.96 0.68 [0.08 - 2.44]	1 / 2.69 0.37 [0.01 - 2.07]	5 / 2.08 2.40 [0.78 - 5.61]	15 / 11.97 1.25 [0.70 - 2.07]
Other male genital organs (187) Test for trend : Chi2= 0.12 p=0.730	2 / 0.86 2.33 [0.28 - 8.41]	0 / 0.80 0.00 [0.00 - 4.61]	4 / 0.82 4.89 [1.33 - 12.5]	1 / 0.70 1.43 [0.04 - 7.97]	7 / 3.18 2.20 [0.89 - 4.54]
Non-Hodgkins lymphoma (200,202) Test for trend : Chi2= 0.08 p=0.771	11 / 18.93 0.58 [0.29 - 1.04]	20 / 16.54 1.21 [0.74 - 1.87]	19 / 17.50 1.09 [0.65 - 1.70]	10 / 15.19 0.66 [0.32 - 1.21]	60 / 68.16 0.88 [0.67 - 1.13]
Ischaemic heart disease (410-414) Test for trend : Chi2= 31.49 p=0.000	631 / 776.56 0.81 [0.75 - 0.88]	772 / 818.42 0.94 [0.88 - 1.01]	892 / 888.40 1.00 [0.94 - 1.07]	892 / 823.84 1.08 [1.01 - 1.16]	3187 / 3307.21 0.96 [0.93 - 1.00]
Bronchitis,emphysema & asthma (490-493) Test for trend : Chi2= 0.12 p=0.725	56 / 61.51 0.91 [0.69 - 1.18]	61 / 67.48 0.90 [0.69 - 1.16]	80 / 73.70 1.09 [0.86 - 1.35]	58 / 72.92 0.80 [0.60 - 1.03]	255 / 275.61 0.93 [0.82 - 1.05]

TOTAL COHORT

Men

Years since first exposure (years)	0 - 16	17 - 26	27 - 37	38+	Total
ALL CAUSES Test for trend : Chi2= 44.98 p=0.000	2455 / 3074.91 0.80 [0.77 - 0.83]	2344 / 2507.61 0.93 [0.90 - 0.97]	2489 / 2577.54 0.97 [0.93 - 1.00]	2313 / 2403.44 0.96 [0.92 - 1.00]	9601 / 10563.5 0.91 [0.89 - 0.93]
ALL MALIGNANT NEOPLASMS (140-208) Test for trend : Chi2= 9.36 p=0.002	543 / 652.62 0.83 [0.76 - 0.91]	552 / 607.40 0.91 [0.83 - 0.99]	642 / 640.57 1.00 [0.93 - 1.08]	549 / 563.56 0.97 [0.89 - 1.06]	2286 / 2464.15 0.93 [0.89 - 0.97]
Lung (162) Test for trend : Chi2= 2.61 p=0.106	155 / 171.27 0.90 [0.77 - 1.06]	165 / 169.21 0.98 [0.83 - 1.14]	192 / 173.51 1.11 [0.96 - 1.27]	139 / 133.15 1.04 [0.88 - 1.23]	651 / 647.13 1.01 [0.93 - 1.09]
Pleura (163) Test for trend : Chi2= 0.01 p=0.921	5 / 1.99 2.51 [0.82 - 5.87]	5 / 2.71 1.85 [0.60 - 4.31]	4 / 3.36 1.19 [0.32 - 3.05]	7 / 2.80 2.50 [1.01 - 5.15]	21 / 10.85 1.94 [1.20 - 2.96]
Soft tissue (171) Test for trend : Chi2= 0.15 p=0.701	5 / 3.75 1.33 [0.43 - 3.11]	2 / 2.56 0.78 [0.09 - 2.82]	1 / 2.32 0.43 [0.01 - 2.40]	4 / 1.82 2.20 [0.60 - 5.64]	12 / 10.45 1.15 [0.59 - 2.01]
Other male genital organs (187) Test for trend : Chi2= 0.12 p=0.730	2 / 0.86 2.33 [0.28 - 8.41]	0 / 0.80 0.00 [0.00 - 4.61]	4 / 0.82 4.89 [1.33 - 12.5]	1 / 0.70 1.43 [0.04 - 7.97]	7 / 3.18 2.20 [0.89 - 4.54]
Non-Hodgkins lymphoma (200,202) Test for trend : Chi2= 0.16 p=0.691	10 / 17.17 0.58 [0.28 - 1.07]	18 / 14.62 1.23 [0.73 - 1.95]	18 / 15.31 1.18 [0.70 - 1.86]	9 / 13.42 0.67 [0.31 - 1.27]	55 / 60.52 0.91 [0.68 - 1.18]
Ischaemic heart disease (410-414) Test for trend : Chi2= 31.18 p=0.000	607 / 741.40 0.82 [0.75 - 0.89]	709 / 762.64 0.93 [0.86 - 1.00]	811 / 816.63 0.99 [0.93 - 1.06]	822 / 750.06 1.10 [1.02 - 1.17]	2949 / 3070.72 0.96 [0.93 - 1.00]
Bronchitis,emphysema & asthma (490-493) Test for trend : Chi2= 0.41 p=0.523	54 / 57.31 0.94 [0.71 - 1.23]	57 / 62.82 0.91 [0.69 - 1.18]	77 / 68.53 1.12 [0.89 - 1.40]	52 / 68.21 0.76 [0.57 - 1.00]	240 / 256.87 0.93 [0.82 - 1.06]

Table 2.12.22

Mortality from selected causes by years since first exposure to Sulp (reduced sulfure compounds)

TOTAL COHORT

Years since first exposure (years)	0 - 17	18 - 27	28 - 38	39+	Total
ALL CAUSES	1739 / 2339.02 0.74 [0.71 - 0.78]	1588 / 1749.76 0.91 [0.86 - 0.95]	1768 / 1953.21 0.91 [0.86 - 0.95]	1630 / 1722.95 0.95 [0.90 - 0.99]	6725 / 7764.92 0.87 [0.85 - 0.89]
Test for trend : Chi2= 47.21 p=0.000					
ALL MALIGNANT NEOPLASMS (140-208)	369 / 483.30 0.76 [0.69 - 0.85]	361 / 399.61 0.90 [0.81 - 1.00]	437 / 457.01 0.96 [0.87 - 1.05]	364 / 381.22 0.95 [0.86 - 1.06]	1531 / 1721.13 0.89 [0.85 - 0.94]
Test for trend : Chi2= 10.42 p=0.001					
Lung (162)	103 / 111.53 0.92 [0.75 - 1.12]	92 / 99.88 0.92 [0.74 - 1.13]	128 / 112.24 1.14 [0.95 - 1.36]	93 / 83.72 1.11 [0.90 - 1.36]	416 / 407.37 1.02 [0.93 - 1.12]
Test for trend : Chi2= 3.09 p=0.079					
Pleura (163)	4 / 1.17 3.42 [0.93 - 8.76]	4 / 1.53 2.61 [0.71 - 6.68]	4 / 2.18 1.84 [0.50 - 4.71]	7 / 1.77 3.95 [1.59 - 8.14]	19 / 6.65 2.86 [1.72 - 4.46]
Test for trend : Chi2= 0.05 p=0.827					
Other male genital organs (187)	1 / 0.50 1.98 [0.05 - 11.0]	0 / 0.42 0.00 [0.00 - 8.74]	1 / 0.51 1.95 [0.05 - 10.9]	1 / 0.44 2.26 [0.06 - 12.6]	3 / 1.88 1.59 [0.33 - 4.66]
Test for trend : Chi2= 0.09 p=0.766					
Ischaemic heart disease (410-414)	396 / 548.43 0.72 [0.65 - 0.80]	479 / 539.20 0.89 [0.81 - 0.97]	584 / 615.11 0.95 [0.87 - 1.03]	563 / 537.45 1.05 [0.96 - 1.14]	2022 / 2240.19 0.90 [0.86 - 0.94]
Test for trend : Chi2= 32.62 p=0.000					
Bronchitis,emphysema & asthma (490-493)	30 / 33.98 0.88 [0.60 - 1.26]	30 / 38.54 0.78 [0.53 - 1.11]	40 / 49.52 0.81 [0.58 - 1.10]	36 / 44.03 0.82 [0.57 - 1.13]	136 / 166.07 0.82 [0.69 - 0.97]
Test for trend : Chi2= 0.05 p=0.822					

TOTAL COHORT

Men

Years since first exposure (years)	0 - 17	18 - 27	28 - 38	39+	Total
ALL CAUSES	1649 / 2189.33 0.75 [0.72 - 0.79]	1471 / 1614.73 0.91 [0.87 - 0.96]	1646 / 1786.70 0.92 [0.88 - 0.97]	1571 / 1642.86 0.96 [0.91 - 1.00]	6337 / 7233.61 0.88 [0.85 - 0.90]
Test for trend : Chi2= 45.68 p=0.000					
ALL MALIGNANT NEOPLASMS (140-208)	336 / 436.56 0.77 [0.69 - 0.86]	330 / 365.66 0.90 [0.81 - 1.01]	407 / 425.80 0.96 [0.87 - 1.05]	354 / 368.61 0.96 [0.86 - 1.07]	1427 / 1596.63 0.89 [0.85 - 0.94]
Test for trend : Chi2= 9.38 p=0.002					
Lung (162)	102 / 108.89 0.94 [0.76 - 1.14]	91 / 97.51 0.93 [0.75 - 1.15]	124 / 110.08 1.13 [0.94 - 1.34]	93 / 82.88 1.12 [0.91 - 1.37]	410 / 399.36 1.03 [0.93 - 1.13]
Test for trend : Chi2= 2.71 p=0.100					
Pleura (163)	4 / 1.11 3.62 [0.99 - 9.26]	4 / 1.44 2.78 [0.76 - 7.13]	3 / 2.07 1.45 [0.30 - 4.23]	6 / 1.73 3.46 [1.27 - 7.54]	17 / 6.35 2.68 [1.56 - 4.29]
Test for trend : Chi2= 0.04 p=0.842					
Other male genital organs (187)	1 / 0.50 1.98 [0.05 - 11.0]	0 / 0.42 0.00 [0.00 - 8.74]	1 / 0.51 1.95 [0.05 - 10.9]	1 / 0.44 2.26 [0.06 - 12.6]	3 / 1.88 1.59 [0.33 - 4.66]
Test for trend : Chi2= 0.09 p=0.766					
Ischaemic heart disease (410-414)	382 / 527.32 0.72 [0.65 - 0.80]	451 / 507.85 0.89 [0.81 - 0.97]	552 / 574.86 0.96 [0.88 - 1.04]	543 / 515.26 1.05 [0.97 - 1.15]	1928 / 2125.28 0.91 [0.87 - 0.95]
Test for trend : Chi2= 32.56 p=0.000					
Bronchitis,emphysema & asthma (490-493)	30 / 32.33 0.93 [0.63 - 1.32]	29 / 36.71 0.79 [0.53 - 1.13]	38 / 47.19 0.81 [0.57 - 1.11]	36 / 43.27 0.83 [0.58 - 1.15]	133 / 159.49 0.83 [0.70 - 0.99]
Test for trend : Chi2= 0.13 p=0.716					

Table 2.12.23
Mortality from selected causes by years since first exposure to TALC

TOTAL COHORT

Years since first exposure (years)	0 - 15	16 - 25	26 - 34	35+	Total
ALL CAUSES	983 / 1369.08 0.72 [0.67 - 0.76]	1089 / 1183.47 0.92 [0.87 - 0.98]	1001 / 1033.85 0.97 [0.91 - 1.03]	1073 / 1187.09 0.90 [0.85 - 0.96]	4146 / 4773.49 0.87 [0.84 - 0.90]
	Test for trend : Chi2= 28.33 p=0.000				
ALL MALIGNANT NEOPLASMS (140-208)	226 / 298.15 0.76 [0.66 - 0.86]	274 / 296.74 0.92 [0.82 - 1.04]	283 / 264.19 1.07 [0.95 - 1.20]	265 / 296.19 0.89 [0.79 - 1.01]	1048 / 1155.27 0.91 [0.85 - 0.96]
	Test for trend : Chi2= 4.83 p=0.028				
Lung (162)	64 / 70.28 0.91 [0.70 - 1.16]	80 / 76.49 1.05 [0.83 - 1.30]	73 / 69.51 1.05 [0.82 - 1.32]	69 / 78.67 0.88 [0.68 - 1.11]	286 / 294.95 0.97 [0.86 - 1.09]
	Test for trend : Chi2= 0.06 p=0.799				
Pleura (163)	1 / 0.78 1.27 [0.03 - 7.10]	2 / 1.27 1.57 [0.19 - 5.68]	1 / 1.37 0.73 [0.02 - 4.07]	1 / 1.50 0.66 [0.02 - 3.70]	5 / 4.93 1.01 [0.33 - 2.37]
	Test for trend : Chi2= 0.48 p=0.489				
Soft tissue (171)	2 / 1.78 1.12 [0.14 - 4.06]	2 / 1.32 1.52 [0.18 - 5.47]	2 / 0.98 2.04 [0.25 - 7.36]	1 / 0.93 1.07 [0.03 - 5.97]	7 / 5.01 1.40 [0.56 - 2.88]
	Test for trend : Chi2= 0.03 p=0.864				
Ovary (183)	5 / 3.89 1.28 [0.42 - 3.00]	4 / 3.40 1.18 [0.32 - 3.02]	4 / 2.87 1.39 [0.38 - 3.57]	1 / 2.22 0.45 [0.01 - 2.51]	14 / 12.38 1.13 [0.62 - 1.90]
	Test for trend : Chi2= 0.50 p=0.481				
Other male genital organs (187)	0 / 0.32 0.00 [0.00 - 11.4]	1 / 0.32 3.16 [0.08 - 17.6]	0 / 0.27 0.00 [0.00 - 13.4]	1 / 0.32 3.17 [0.08 - 17.7]	2 / 1.23 1.63 [0.20 - 5.88]
	Test for trend : Chi2= 0.43 p=0.512				
Non-Hodgkins lymphoma (200,202)	4 / 7.50 0.53 [0.15 - 1.37]	4 / 7.08 0.56 [0.15 - 1.45]	6 / 6.63 0.91 [0.33 - 1.97]	5 / 6.86 0.73 [0.24 - 1.70]	19 / 28.07 0.68 [0.41 - 1.06]
	Test for trend : Chi2= 0.45 p=0.502				
Ischaemic heart disease (410-414)	200 / 292.45 0.68 [0.59 - 0.79]	288 / 319.20 0.90 [0.80 - 1.01]	295 / 298.92 0.99 [0.88 - 1.11]	355 / 350.13 1.01 [0.91 - 1.13]	1138 / 1260.69 0.90 [0.85 - 0.96]
	Test for trend : Chi2= 19.37 p=0.000				
Bronchitis,emphysema & asthma (490-493)	13 / 22.53 0.58 [0.31 - 0.99]	22 / 26.12 0.84 [0.53 - 1.28]	22 / 24.93 0.88 [0.55 - 1.34]	21 / 33.87 0.62 [0.38 - 0.95]	78 / 107.45 0.73 [0.57 - 0.91]
	Test for trend : Chi2= 0.00 p=0.993				

TOTAL COHORT

Men

Years since first exposure (years)	0 - 15	16 - 25	26 - 34	35+	Total
ALL CAUSES	896 / 1220.12 0.73 [0.69 - 0.78]	943 / 1029.53 0.92 [0.86 - 0.98]	834 / 875.83 0.95 [0.89 - 1.02]	944 / 1043.98 0.90 [0.85 - 0.96]	3617 / 4169.46 0.87 [0.84 - 0.90]
	Test for trend : Chi2= 20.42 p=0.000				
ALL MALIGNANT NEOPLASMS (140-208)	193 / 250.37 0.77 [0.67 - 0.89]	227 / 252.20 0.90 [0.79 - 1.03]	229 / 224.85 1.02 [0.89 - 1.16]	230 / 263.10 0.87 [0.76 - 0.99]	879 / 990.52 0.89 [0.83 - 0.95]
	Test for trend : Chi2= 2.36 p=0.124				
Lung (162)	62 / 67.19 0.92 [0.71 - 1.18]	74 / 72.60 1.02 [0.80 - 1.28]	66 / 65.53 1.01 [0.78 - 1.28]	63 / 74.88 0.84 [0.65 - 1.08]	265 / 280.20 0.95 [0.84 - 1.07]
	Test for trend : Chi2= 0.30 p=0.582				
Pleura (163)	1 / 0.73 1.37 [0.03 - 7.63]	1 / 1.19 0.84 [0.02 - 4.70]	1 / 1.28 0.78 [0.02 - 4.34]	1 / 1.43 0.70 [0.02 - 3.89]	4 / 4.63 0.86 [0.24 - 2.21]
	Test for trend : Chi2= 0.20 p=0.655				
Soft tissue (171)	2 / 1.52 1.31 [0.16 - 4.74]	1 / 1.10 0.91 [0.02 - 5.06]	1 / 0.80 1.24 [0.03 - 6.93]	0 / 0.79 0.00 [0.00 - 4.66]	4 / 4.22 0.95 [0.26 - 2.43]
	Test for trend : Chi2= 0.66 p=0.418				
Ovary (183)	0 / 0.00 [. - .]	0 / 0.00 [. - .]	0 / 0.00 [. - .]	0 / 0.00 [. - .]	0 / 0.00 [. - .]
Other male genital organs (187)	0 / 0.32 0.00 [0.00 - 11.4]	1 / 0.32 3.16 [0.08 - 17.6]	0 / 0.27 0.00 [0.00 - 13.4]	1 / 0.32 3.17 [0.08 - 17.7]	2 / 1.23 1.63 [0.20 - 5.88]
	Test for trend : Chi2= 0.43 p=0.512				
Non-Hodgkins lymphoma (200,202)	3 / 6.60 0.45 [0.09 - 1.33]	4 / 6.02 0.66 [0.18 - 1.70]	5 / 5.52 0.91 [0.29 - 2.11]	3 / 5.86 0.51 [0.11 - 1.50]	15 / 24.01 0.62 [0.35 - 1.03]
	Test for trend : Chi2= 0.09 p=0.758				
Ischaemic heart disease (410-414)	192 / 272.72 0.70 [0.61 - 0.81]	251 / 285.90 0.88 [0.77 - 0.99]	254 / 260.38 0.98 [0.86 - 1.10]	325 / 313.43 1.04 [0.93 - 1.16]	1022 / 1132.43 0.90 [0.85 - 0.96]
	Test for trend : Chi2= 18.89 p=0.000				
Bronchitis,emphysema & asthma (490-493)	13 / 20.77 0.63 [0.33 - 1.07]	19 / 23.72 0.80 [0.48 - 1.25]	21 / 22.65 0.93 [0.57 - 1.42]	18 / 31.87 0.56 [0.33 - 0.89]	71 / 99.01 0.72 [0.56 - 0.90]
	Test for trend : Chi2= 0.10 p=0.749				

Table 2.12.24
Mortality from selected causes by years since first exposure to TERP (terpenes)

TOTAL COHORT

Years since first exposure (years)	0 - 16	17 - 26	27 - 37	38+	Total
ALL CAUSES	763 / 1082.62 0.70 [0.66 - 0.76]	730 / 842.32 0.87 [0.80 - 0.93]	749 / 835.45 0.90 [0.83 - 0.96]	711 / 772.50 0.92 [0.85 - 0.99]	2953 / 3532.89 0.84 [0.81 - 0.87]
Test for trend : Chi2= 27.58 p=0.000					
ALL MALIGNANT NEOPLASMS (140-208)	170 / 223.26 0.76 [0.65 - 0.88]	159 / 191.59 0.83 [0.71 - 0.97]	175 / 194.66 0.90 [0.77 - 1.04]	165 / 170.67 0.97 [0.82 - 1.13]	669 / 780.18 0.86 [0.79 - 0.93]
Test for trend : Chi2= 5.34 p=0.021					
Larynx (161)	4 / 3.66 1.09 [0.30 - 2.80]	1 / 2.93 0.34 [0.01 - 1.90]	8 / 2.82 2.84 [1.23 - 5.60]	4 / 1.98 2.02 [0.55 - 5.18]	17 / 11.38 1.49 [0.87 - 2.39]
Test for trend : Chi2= 2.68 p=0.102					
Lung (162)	50 / 55.16 0.91 [0.67 - 1.20]	45 / 49.82 0.90 [0.66 - 1.21]	44 / 51.43 0.86 [0.62 - 1.15]	41 / 41.93 0.98 [0.70 - 1.33]	180 / 198.34 0.91 [0.78 - 1.05]
Test for trend : Chi2= 0.05 p=0.825					
Pleura (163)	2 / 0.61 3.30 [0.40 - 11.9]	3 / 0.88 3.41 [0.70 - 9.98]	1 / 0.98 1.02 [0.03 - 5.68]	1 / 0.74 1.36 [0.03 - 7.58]	7 / 3.20 2.19 [0.88 - 4.51]
Test for trend : Chi2= 1.22 p=0.270					
Other male genital organs (187)	0 / 0.24 0.00 [0.00 - 15.1]	0 / 0.20 0.00 [0.00 - 18.5]	0 / 0.21 0.00 [0.00 - 17.5]	0 / 0.18 0.00 [0.00 - 20.0]	0 / 0.84 0.00 [0.00 - 4.40]
Ischaemic heart disease (410-414)	175 / 271.24 0.65 [0.55 - 0.75]	209 / 253.24 0.83 [0.72 - 0.95]	225 / 255.03 0.88 [0.77 - 1.01]	220 / 242.83 0.91 [0.79 - 1.03]	829 / 1022.34 0.81 [0.76 - 0.87]
Test for trend : Chi2= 11.50 p=0.001					
Bronchitis,emphysema & asthma (490-493)	7 / 16.05 0.44 [0.18 - 0.90]	18 / 18.80 0.96 [0.57 - 1.51]	14 / 21.17 0.66 [0.36 - 1.11]	15 / 20.16 0.74 [0.42 - 1.23]	54 / 76.19 0.71 [0.53 - 0.92]
Test for trend : Chi2= 0.36 p=0.551					

TOTAL COHORT

Men

Years since first exposure (years)	0 - 16	17 - 26	27 - 37	38+	Total
ALL CAUSES	729 / 1021.25 0.71 [0.66 - 0.77]	679 / 781.83 0.87 [0.80 - 0.94]	699 / 768.76 0.91 [0.84 - 0.98]	699 / 748.30 0.93 [0.87 - 1.01]	2806 / 3320.14 0.85 [0.81 - 0.88]
Test for trend : Chi2= 27.47 p=0.000					
ALL MALIGNANT NEOPLASMS (140-208)	156 / 204.49 0.76 [0.65 - 0.89]	147 / 176.62 0.83 [0.70 - 0.98]	162 / 182.77 0.89 [0.76 - 1.03]	164 / 166.78 0.98 [0.84 - 1.15]	629 / 730.66 0.86 [0.79 - 0.93]
Test for trend : Chi2= 5.42 p=0.020					
Larynx (161)	4 / 3.62 1.10 [0.30 - 2.83]	1 / 2.91 0.34 [0.01 - 1.91]	8 / 2.80 2.85 [1.23 - 5.62]	4 / 1.97 2.03 [0.55 - 5.20]	17 / 11.31 1.50 [0.88 - 2.41]
Test for trend : Chi2= 2.64 p=0.104					
Lung (162)	49 / 54.16 0.90 [0.67 - 1.20]	45 / 48.77 0.92 [0.67 - 1.23]	44 / 50.61 0.87 [0.63 - 1.17]	41 / 41.66 0.98 [0.71 - 1.34]	179 / 195.21 0.92 [0.79 - 1.06]
Test for trend : Chi2= 0.07 p=0.795					
Pleura (163)	2 / 0.58 3.47 [0.42 - 12.5]	2 / 0.83 2.40 [0.29 - 8.67]	1 / 0.94 1.06 [0.03 - 5.91]	1 / 0.72 1.38 [0.03 - 7.71]	6 / 3.08 1.95 [0.72 - 4.25]
Test for trend : Chi2= 0.98 p=0.321					
Other male genital organs (187)	0 / 0.24 0.00 [0.00 - 15.1]	0 / 0.20 0.00 [0.00 - 18.5]	0 / 0.21 0.00 [0.00 - 17.5]	0 / 0.18 0.00 [0.00 - 20.0]	0 / 0.84 0.00 [0.00 - 4.40]
Ischaemic heart disease (410-414)	170 / 261.54 0.65 [0.56 - 0.76]	188 / 237.19 0.79 [0.68 - 0.91]	215 / 236.42 0.91 [0.79 - 1.04]	217 / 235.95 0.92 [0.80 - 1.05]	790 / 971.11 0.81 [0.76 - 0.87]
Test for trend : Chi2= 13.27 p=0.000					
Bronchitis,emphysema & asthma (490-493)	7 / 15.51 0.45 [0.18 - 0.93]	18 / 18.10 0.99 [0.59 - 1.57]	14 / 20.50 0.68 [0.37 - 1.15]	15 / 19.93 0.75 [0.42 - 1.24]	54 / 74.04 0.73 [0.55 - 0.95]
Test for trend : Chi2= 0.28 p=0.594					

Table 2.12.25
Mortality from selected causes by years since first exposure to TIO2 (titanium dioxide)

TOTAL COHORT

Years since first exposure (years)	0 - 13	14 - 22	23 - 31	32+	Total
ALL CAUSES Test for trend : Chi2= 27.94 p=0.000	740 / 963.96 0.77 [0.71 - 0.83]	757 / 817.84 0.93 [0.86 - 0.99]	745 / 753.96 0.99 [0.92 - 1.06]	768 / 770.46 1.00 [0.93 - 1.07]	3010 / 3306.22 0.91 [0.88 - 0.94]
ALL MALIGNANT NEOPLASMS (140-208) Test for trend : Chi2= 4.10 p=0.043	180 / 222.07 0.81 [0.70 - 0.94]	193 / 217.06 0.89 [0.77 - 1.02]	202 / 208.63 0.97 [0.84 - 1.11]	211 / 215.52 0.98 [0.85 - 1.12]	786 / 863.28 0.91 [0.85 - 0.98]
Lung (162) Test for trend : Chi2= 0.08 p=0.774	47 / 56.86 0.83 [0.61 - 1.10]	61 / 57.34 1.06 [0.81 - 1.37]	51 / 54.29 0.94 [0.70 - 1.24]	53 / 57.38 0.92 [0.69 - 1.21]	212 / 225.87 0.94 [0.82 - 1.07]
Other male genital organs (187) Test for trend : Chi2= 1.94 p=0.164	0 / 0.27 0.00 [0.00 - 13.6]	0 / 0.24 0.00 [0.00 - 15.4]	0 / 0.22 0.00 [0.00 - 16.8]	1 / 0.23 4.39 [0.11 - 24.4]	1 / 0.96 1.04 [0.03 - 5.81]
Ischaemic heart disease (410-414) Test for trend : Chi2= 7.55 p=0.006	215 / 230.34 0.93 [0.81 - 1.07]	221 / 231.01 0.96 [0.83 - 1.09]	221 / 210.07 1.05 [0.92 - 1.20]	242 / 204.08 1.19 [1.04 - 1.35]	899 / 875.49 1.03 [0.96 - 1.10]
Bronchitis,emphysema & asthma (490-493) Test for trend : Chi2= 9.93 p=0.002	11 / 20.49 0.54 [0.27 - 0.96]	21 / 20.75 1.01 [0.63 - 1.55]	21 / 18.60 1.13 [0.70 - 1.73]	35 / 22.68 1.54 [1.07 - 2.15]	88 / 82.52 1.07 [0.86 - 1.31]

TOTAL COHORT

Men

Years since first exposure (years)	0 - 13	14 - 22	23 - 31	32+	Total
ALL CAUSES Test for trend : Chi2= 19.60 p=0.000	678 / 867.49 0.78 [0.72 - 0.84]	645 / 712.33 0.91 [0.84 - 0.98]	624 / 640.00 0.97 [0.90 - 1.05]	640 / 652.15 0.98 [0.91 - 1.06]	2587 / 2871.97 0.90 [0.87 - 0.94]
ALL MALIGNANT NEOPLASMS (140-208) Test for trend : Chi2= 2.51 p=0.113	153 / 187.65 0.82 [0.69 - 0.96]	153 / 180.31 0.85 [0.72 - 0.99]	162 / 172.41 0.94 [0.80 - 1.10]	172 / 181.12 0.95 [0.81 - 1.10]	640 / 721.49 0.89 [0.82 - 0.96]
Lung (162) Test for trend : Chi2= 0.14 p=0.708	47 / 53.86 0.87 [0.64 - 1.16]	50 / 52.92 0.94 [0.70 - 1.25]	46 / 49.43 0.93 [0.68 - 1.24]	42 / 52.19 0.80 [0.58 - 1.09]	185 / 208.40 0.89 [0.76 - 1.03]
Other male genital organs (187) Test for trend : Chi2= 1.94 p=0.164	0 / 0.27 0.00 [0.00 - 13.6]	0 / 0.24 0.00 [0.00 - 15.4]	0 / 0.22 0.00 [0.00 - 16.8]	1 / 0.23 4.39 [0.11 - 24.4]	1 / 0.96 1.04 [0.03 - 5.81]
Ischaemic heart disease (410-414) Test for trend : Chi2= 6.24 p=0.012	204 / 217.97 0.94 [0.81 - 1.07]	194 / 209.61 0.93 [0.80 - 1.07]	193 / 184.91 1.04 [0.90 - 1.20]	207 / 176.97 1.17 [1.02 - 1.34]	798 / 789.46 1.01 [0.94 - 1.08]
Bronchitis,emphysema & asthma (490-493) Test for trend : Chi2= 7.82 p=0.005	11 / 18.93 0.58 [0.29 - 1.04]	19 / 18.61 1.02 [0.61 - 1.59]	19 / 16.20 1.17 [0.71 - 1.83]	30 / 19.81 1.51 [1.02 - 2.16]	79 / 73.56 1.07 [0.85 - 1.34]

Table 2.12.26
Mortality from selected causes by years since first exposure to WELD (welding fumes)

TOTAL COHORT

Years since first exposure (years)	0 - 18	19 - 29	30 - 39	40+	Total
ALL CAUSES	1131 / 1524.29 0.74 [0.70 - 0.79]	1226 / 1402.53 0.87 [0.83 - 0.92]	1192 / 1291.53 0.92 [0.87 - 0.98]	1141 / 1270.25 0.90 [0.85 - 0.95]	4690 / 5488.59 0.85 [0.83 - 0.88]
Test for trend : Chi2= 23.26 p=0.000					
ALL MALIGNANT NEOPLASMS (140-208)	250 / 320.91 0.78 [0.69 - 0.88]	310 / 335.73 0.92 [0.82 - 1.03]	312 / 319.61 0.98 [0.87 - 1.09]	277 / 292.19 0.95 [0.84 - 1.07]	1149 / 1268.44 0.91 [0.85 - 0.96]
Test for trend : Chi2= 5.52 p=0.019					
Lung (162)	70 / 80.26 0.87 [0.68 - 1.10]	93 / 90.86 1.02 [0.83 - 1.25]	92 / 86.20 1.07 [0.86 - 1.31]	71 / 71.81 0.99 [0.77 - 1.25]	326 / 329.12 0.99 [0.89 - 1.10]
Test for trend : Chi2= 0.66 p=0.417					
Pleura (163)	1 / 0.92 1.09 [0.03 - 6.08]	4 / 1.50 2.66 [0.73 - 6.81]	5 / 1.62 3.08 [1.00 - 7.18]	3 / 1.42 2.11 [0.43 - 6.16]	13 / 5.47 2.38 [1.27 - 4.06]
Test for trend : Chi2= 0.17 p=0.680					
Other male genital organs (187)	2 / 0.38 5.33 [0.64 - 19.2]	0 / 0.37 0.00 [0.00 - 9.94]	1 / 0.35 2.83 [0.07 - 15.8]	0 / 0.32 0.00 [0.00 - 11.4]	3 / 1.42 2.11 [0.43 - 6.16]
Test for trend : Chi2= 1.46 p=0.228					
Ischaemic heart disease (410-414)	245 / 367.30 0.67 [0.59 - 0.76]	337 / 423.68 0.80 [0.71 - 0.89]	393 / 397.56 0.99 [0.89 - 1.09]	383 / 385.05 0.99 [0.90 - 1.10]	1358 / 1573.59 0.86 [0.82 - 0.91]
Test for trend : Chi2= 30.44 p=0.000					
Bronchitis,emphysema & asthma (490-493)	22 / 23.40 0.94 [0.59 - 1.42]	26 / 32.84 0.79 [0.52 - 1.16]	27 / 35.43 0.76 [0.50 - 1.11]	27 / 36.00 0.75 [0.49 - 1.09]	102 / 127.68 0.80 [0.65 - 0.97]
Test for trend : Chi2= 0.56 p=0.454					

TOTAL COHORT

Men

Years since first exposure (years)	0 - 18	19 - 29	30 - 39	40+	Total
ALL CAUSES	1080 / 1448.45 0.75 [0.70 - 0.79]	1147 / 1308.80 0.88 [0.83 - 0.93]	1123 / 1214.85 0.92 [0.87 - 0.98]	1090 / 1216.03 0.90 [0.84 - 0.95]	4440 / 5188.13 0.86 [0.83 - 0.88]
Test for trend : Chi2= 20.67 p=0.000					
ALL MALIGNANT NEOPLASMS (140-208)	234 / 297.75 0.79 [0.69 - 0.89]	291 / 314.24 0.93 [0.82 - 1.04]	299 / 304.40 0.98 [0.87 - 1.10]	267 / 283.04 0.94 [0.83 - 1.06]	1091 / 1199.42 0.91 [0.86 - 0.97]
Test for trend : Chi2= 4.58 p=0.032					
Lung (162)	69 / 78.92 0.87 [0.68 - 1.11]	91 / 89.37 1.02 [0.82 - 1.25]	91 / 85.12 1.07 [0.86 - 1.31]	71 / 71.15 1.00 [0.78 - 1.26]	322 / 324.55 0.99 [0.89 - 1.11]
Test for trend : Chi2= 0.74 p=0.391					
Pleura (163)	1 / 0.89 1.13 [0.03 - 6.28]	4 / 1.45 2.76 [0.75 - 7.06]	4 / 1.58 2.52 [0.69 - 6.46]	3 / 1.40 2.15 [0.44 - 6.28]	12 / 5.32 2.26 [1.17 - 3.94]
Test for trend : Chi2= 0.10 p=0.755					
Other male genital organs (187)	2 / 0.38 5.33 [0.64 - 19.2]	0 / 0.37 0.00 [0.00 - 9.94]	1 / 0.35 2.83 [0.07 - 15.8]	0 / 0.32 0.00 [0.00 - 11.4]	3 / 1.42 2.11 [0.43 - 6.16]
Test for trend : Chi2= 1.46 p=0.228					
Ischaemic heart disease (410-414)	238 / 354.18 0.67 [0.59 - 0.76]	321 / 399.06 0.80 [0.72 - 0.90]	369 / 376.77 0.98 [0.88 - 1.08]	367 / 370.11 0.99 [0.89 - 1.10]	1295 / 1500.11 0.86 [0.82 - 0.91]
Test for trend : Chi2= 27.09 p=0.000					
Bronchitis,emphysema & asthma (490-493)	22 / 22.64 0.97 [0.61 - 1.47]	24 / 31.78 0.76 [0.48 - 1.12]	27 / 34.59 0.78 [0.51 - 1.14]	27 / 35.44 0.76 [0.50 - 1.11]	100 / 124.45 0.80 [0.65 - 0.98]
Test for trend : Chi2= 0.49 p=0.482					

Table 2.12.27
Mortality from selected causes by years since first exposure to WOOD (wood dust)

TOTAL COHORT

Years since first exposure (years)	0 - 17	18 - 28	29 - 39	40+	Total
ALL CAUSES Test for trend : Chi2= 64.17 p=0.000	1504 / 2038.50 0.74 [0.70 - 0.78]	1558 / 1807.20 0.86 [0.82 - 0.91]	1627 / 1779.98 0.91 [0.87 - 0.96]	1498 / 1527.46 0.98 [0.93 - 1.03]	6187 / 7153.14 0.86 [0.84 - 0.89]
ALL MALIGNANT NEOPLASMS (140-208) Test for trend : Chi2= 9.28 p=0.002	342 / 433.36 0.79 [0.71 - 0.88]	337 / 415.44 0.81 [0.73 - 0.90]	379 / 417.46 0.91 [0.82 - 1.00]	321 / 329.17 0.98 [0.87 - 1.09]	1379 / 1595.43 0.86 [0.82 - 0.91]
Nose & sinuses (160) Test for trend : Chi2= 1.04 p=0.308	2 / 1.61 1.24 [0.15 - 4.49]	1 / 1.55 0.65 [0.02 - 3.61]	1 / 1.35 0.74 [0.02 - 4.14]	0 / 0.93 0.00 [0.00 - 3.95]	4 / 5.44 0.74 [0.20 - 1.88]
Larynx (161) Test for trend : Chi2= 1.13 p=0.287	9 / 7.21 1.25 [0.57 - 2.37]	3 / 6.07 0.49 [0.10 - 1.45]	10 / 4.95 2.02 [0.97 - 3.72]	5 / 3.17 1.58 [0.51 - 3.69]	27 / 21.39 1.26 [0.83 - 1.84]
Lung (162) Test for trend : Chi2= 1.38 p=0.241	104 / 106.56 0.98 [0.80 - 1.18]	97 / 107.50 0.90 [0.73 - 1.10]	104 / 106.26 0.98 [0.80 - 1.19]	86 / 74.41 1.16 [0.92 - 1.43]	391 / 394.74 0.99 [0.89 - 1.09]
Pleura (163) Test for trend : Chi2= 1.14 p=0.286	3 / 1.15 2.60 [0.54 - 7.60]	3 / 1.75 1.72 [0.35 - 5.01]	1 / 2.08 0.48 [0.01 - 2.68]	2 / 1.41 1.42 [0.17 - 5.12]	9 / 6.39 1.41 [0.64 - 2.67]
Other male genital organs (187) Test for trend : Chi2= 0.43 p=0.511	1 / 0.49 2.03 [0.05 - 11.3]	1 / 0.46 2.15 [0.05 - 12.0]	1 / 0.49 2.06 [0.05 - 11.5]	0 / 0.38 0.00 [0.00 - 9.60]	3 / 1.83 1.64 [0.34 - 4.80]
Ischaemic heart disease (410-414) Test for trend : Chi2= 58.08 p=0.000	333 / 509.60 0.65 [0.59 - 0.73]	455 / 562.69 0.81 [0.74 - 0.89]	541 / 563.63 0.96 [0.88 - 1.04]	517 / 480.62 1.08 [0.98 - 1.17]	1846 / 2116.54 0.87 [0.83 - 0.91]
Bronchitis,emphysema & asthma (490-493) Test for trend : Chi2= 0.90 p=0.343	24 / 31.38 0.76 [0.49 - 1.14]	30 / 42.98 0.70 [0.47 - 1.00]	41 / 48.77 0.84 [0.60 - 1.14]	37 / 40.61 0.91 [0.64 - 1.26]	132 / 163.74 0.81 [0.67 - 0.96]

TOTAL COHORT

Men

Years since first exposure (years)	0 - 17	18 - 28	29 - 39	40+	Total
ALL CAUSES Test for trend : Chi2= 59.77 p=0.000	1443 / 1940.23 0.74 [0.71 - 0.78]	1480 / 1697.41 0.87 [0.83 - 0.92]	1553 / 1677.71 0.93 [0.88 - 0.97]	1447 / 1472.18 0.98 [0.93 - 1.03]	5923 / 6787.53 0.87 [0.85 - 0.90]
ALL MALIGNANT NEOPLASMS (140-208) Test for trend : Chi2= 8.11 p=0.004	323 / 403.50 0.80 [0.72 - 0.89]	320 / 389.80 0.82 [0.73 - 0.92]	364 / 398.29 0.91 [0.82 - 1.01]	314 / 320.60 0.98 [0.87 - 1.09]	1321 / 1512.19 0.87 [0.83 - 0.92]
Nose & sinuses (160) Test for trend : Chi2= 1.06 p=0.303	2 / 1.55 1.29 [0.16 - 4.65]	1 / 1.50 0.67 [0.02 - 3.72]	1 / 1.31 0.76 [0.02 - 4.25]	0 / 0.92 0.00 [0.00 - 4.02]	4 / 5.28 0.76 [0.21 - 1.94]
Larynx (161) Test for trend : Chi2= 1.11 p=0.292	9 / 7.16 1.26 [0.58 - 2.39]	3 / 6.03 0.50 [0.10 - 1.45]	10 / 4.93 2.03 [0.97 - 3.73]	5 / 3.16 1.58 [0.51 - 3.70]	27 / 21.27 1.27 [0.84 - 1.85]
Lung (162) Test for trend : Chi2= 1.50 p=0.221	102 / 104.93 0.97 [0.79 - 1.18]	97 / 105.78 0.92 [0.74 - 1.12]	103 / 104.97 0.98 [0.80 - 1.19]	86 / 73.83 1.16 [0.93 - 1.44]	388 / 389.52 1.00 [0.90 - 1.10]
Pleura (163) Test for trend : Chi2= 0.89 p=0.346	3 / 1.12 2.68 [0.55 - 7.84]	2 / 1.67 1.19 [0.14 - 4.31]	1 / 2.02 0.50 [0.01 - 2.76]	2 / 1.38 1.45 [0.18 - 5.24]	8 / 6.19 1.29 [0.56 - 2.55]
Other male genital organs (187) Test for trend : Chi2= 0.43 p=0.511	1 / 0.49 2.03 [0.05 - 11.3]	1 / 0.46 2.15 [0.05 - 12.0]	1 / 0.49 2.06 [0.05 - 11.5]	0 / 0.38 0.00 [0.00 - 9.60]	3 / 1.83 1.64 [0.34 - 4.80]
Ischaemic heart disease (410-414) Test for trend : Chi2= 53.77 p=0.000	327 / 494.90 0.66 [0.59 - 0.74]	433 / 534.16 0.81 [0.74 - 0.89]	514 / 534.95 0.96 [0.88 - 1.05]	499 / 464.80 1.07 [0.98 - 1.17]	1773 / 2028.82 0.87 [0.83 - 0.92]
Bronchitis,emphysema & asthma (490-493) Test for trend : Chi2= 1.03 p=0.310	23 / 30.52 0.75 [0.48 - 1.13]	30 / 41.80 0.72 [0.48 - 1.02]	41 / 47.74 0.86 [0.62 - 1.17]	37 / 40.10 0.92 [0.65 - 1.27]	131 / 160.17 0.82 [0.68 - 0.97]

Table 2.13.1
Mortality from selected causes by duration of exposure to ACID (inorganic acid mist)

TOTAL COHORT

Duration of exposure (years)	0 - 3	4 - 10	11 - 22	23+	Total
ALL CAUSES Test for trend : Chi2= 37.67 p=0.000	1336 / 1345.07 0.99 [0.94 - 1.05]	1145 / 1093.24 1.05 [0.99 - 1.11]	1186 / 1323.38 0.90 [0.85 - 0.95]	1165 / 1451.16 0.80 [0.76 - 0.85]	4832 / 5212.85 0.93 [0.90 - 0.95]
ALL MALIGNANT NEOPLASMS (140-208) Test for trend : Chi2= 20.59 p=0.000	329 / 330.30 1.00 [0.89 - 1.11]	310 / 278.50 1.11 [0.99 - 1.24]	292 / 333.07 0.88 [0.78 - 0.98]	267 / 368.95 0.72 [0.64 - 0.82]	1198 / 1310.83 0.91 [0.86 - 0.97]
Larynx (161) Test for trend : Chi2= 0.63 p=0.426	4 / 4.11 0.97 [0.27 - 2.49]	7 / 3.50 2.00 [0.80 - 4.12]	5 / 4.81 1.04 [0.34 - 2.42]	5 / 6.49 0.77 [0.25 - 1.80]	21 / 18.92 1.11 [0.69 - 1.70]
Lung (162) Test for trend : Chi2= 8.00 p=0.005	87 / 81.44 1.07 [0.86 - 1.32]	74 / 65.64 1.13 [0.89 - 1.42]	76 / 79.73 0.95 [0.75 - 1.19]	62 / 90.84 0.68 [0.52 - 0.87]	299 / 317.66 0.94 [0.84 - 1.05]
Other male genital organs (187) Test for trend : Chi2= 3.73 p=0.053	2 / 0.37 5.42 [0.66 - 19.6]	1 / 0.31 3.22 [0.08 - 18.0]	0 / 0.40 0.00 [0.00 - 9.25]	0 / 0.45 0.00 [0.00 - 8.13]	3 / 1.53 1.96 [0.40 - 5.72]
Ischaemic heart disease (410-414) Test for trend : Chi2= 2.59 p=0.107	346 / 340.11 1.02 [0.91 - 1.13]	333 / 295.28 1.13 [1.01 - 1.26]	363 / 371.89 0.98 [0.88 - 1.08]	378 / 401.93 0.94 [0.85 - 1.04]	1420 / 1409.21 1.01 [0.96 - 1.06]
Bronchitis,emphysema & asthma (490-493) Test for trend : Chi2= 3.60 p=0.058	44 / 30.93 1.42 [1.03 - 1.91]	27 / 25.75 1.05 [0.69 - 1.53]	45 / 31.74 1.42 [1.03 - 1.90]	27 / 34.35 0.79 [0.52 - 1.14]	143 / 122.77 1.16 [0.98 - 1.37]

TOTAL COHORT

Men

Duration of exposure (years)	0 - 3	4 - 10	11 - 22	23+	Total
ALL CAUSES Test for trend : Chi2= 35.76 p=0.000	1138 / 1163.34 0.98 [0.92 - 1.04]	973 / 909.99 1.07 [1.00 - 1.14]	1041 / 1171.58 0.89 [0.84 - 0.94]	1077 / 1360.94 0.79 [0.74 - 0.84]	4229 / 4605.86 0.92 [0.89 - 0.95]
ALL MALIGNANT NEOPLASMS (140-208) Test for trend : Chi2= 20.18 p=0.000	267 / 270.77 0.99 [0.87 - 1.11]	256 / 223.48 1.15 [1.01 - 1.29]	243 / 287.70 0.84 [0.74 - 0.96]	246 / 343.15 0.72 [0.63 - 0.81]	1012 / 1125.10 0.90 [0.84 - 0.96]
Larynx (161) Test for trend : Chi2= 0.51 p=0.475	4 / 4.00 1.00 [0.27 - 2.56]	6 / 3.40 1.77 [0.65 - 3.85]	5 / 4.72 1.06 [0.34 - 2.47]	5 / 6.45 0.78 [0.25 - 1.81]	20 / 18.56 1.08 [0.66 - 1.66]
Lung (162) Test for trend : Chi2= 5.22 p=0.022	75 / 75.04 1.00 [0.79 - 1.25]	69 / 59.73 1.16 [0.90 - 1.46]	72 / 75.10 0.96 [0.75 - 1.21]	62 / 88.57 0.70 [0.54 - 0.90]	278 / 298.45 0.93 [0.83 - 1.05]
Other male genital organs (187) Test for trend : Chi2= 3.73 p=0.053	2 / 0.37 5.42 [0.66 - 19.6]	1 / 0.31 3.22 [0.08 - 18.0]	0 / 0.40 0.00 [0.00 - 9.25]	0 / 0.45 0.00 [0.00 - 8.13]	3 / 1.53 1.96 [0.40 - 5.72]
Ischaemic heart disease (410-414) Test for trend : Chi2= 1.74 p=0.187	301 / 307.80 0.98 [0.87 - 1.09]	292 / 259.98 1.12 [1.00 - 1.26]	331 / 339.64 0.97 [0.87 - 1.09]	353 / 383.23 0.92 [0.83 - 1.02]	1277 / 1290.64 0.99 [0.94 - 1.05]
Bronchitis,emphysema & asthma (490-493) Test for trend : Chi2= 4.02 p=0.045	41 / 27.67 1.48 [1.06 - 2.01]	24 / 22.69 1.06 [0.68 - 1.57]	42 / 29.07 1.44 [1.04 - 1.95]	26 / 32.91 0.79 [0.52 - 1.16]	133 / 112.34 1.18 [0.99 - 1.40]

Table 2.13.2
Mortality from selected causes by duration of exposure to ASB (asbestos)

TOTAL COHORT

Duration of exposure (years)	0 - 3	4 - 11	12 - 22	23+	Total
ALL CAUSES Test for trend : Chi2= 8.42 p=0.004	1479 / 1687.49 0.88 [0.83 - 0.92]	1289 / 1304.76 0.99 [0.93 - 1.04]	1261 / 1433.92 0.88 [0.83 - 0.93]	1344 / 1667.63 0.81 [0.76 - 0.85]	5373 / 6093.79 0.88 [0.86 - 0.91]
ALL MALIGNANT NEOPLASMS (140-208) Test for trend : Chi2= 1.19 p=0.275	334 / 363.23 0.92 [0.82 - 1.02]	302 / 295.38 1.02 [0.91 - 1.14]	277 / 326.00 0.85 [0.75 - 0.96]	345 / 388.58 0.89 [0.80 - 0.99]	1258 / 1373.19 0.92 [0.87 - 0.97]
Lung (162) Test for trend : Chi2= 1.14 p=0.285	94 / 94.41 1.00 [0.80 - 1.22]	88 / 76.17 1.16 [0.93 - 1.42]	88 / 85.43 1.03 [0.83 - 1.27]	84 / 96.80 0.87 [0.69 - 1.07]	354 / 352.81 1.00 [0.90 - 1.11]
Pleura (163) Test for trend : Chi2= 0.29 p=0.588	3 / 1.64 1.83 [0.38 - 5.35]	4 / 1.25 3.19 [0.87 - 8.17]	3 / 1.24 2.42 [0.50 - 7.07]	5 / 1.65 3.03 [0.98 - 7.08]	15 / 5.78 2.60 [1.45 - 4.28]
Other male genital organs (187) Test for trend : Chi2= 0.80 p=0.370	2 / 0.40 5.03 [0.61 - 18.2]	0 / 0.34 0.00 [0.00 - 10.9]	0 / 0.39 0.00 [0.00 - 9.49]	1 / 0.49 2.05 [0.05 - 11.4]	3 / 1.61 1.86 [0.38 - 5.44]
Kidney (189) Test for trend : Chi2= 0.00 p=0.950	10 / 10.75 0.93 [0.45 - 1.71]	8 / 8.48 0.94 [0.41 - 1.86]	10 / 8.96 1.12 [0.54 - 2.05]	10 / 11.60 0.86 [0.41 - 1.59]	38 / 39.78 0.96 [0.68 - 1.31]
Ischaemic heart disease (410-414) Test for trend : Chi2= 2.00 p=0.158	399 / 484.47 0.82 [0.74 - 0.91]	350 / 388.51 0.90 [0.81 - 1.00]	433 / 438.60 0.99 [0.90 - 1.08]	461 / 518.34 0.89 [0.81 - 0.97]	1643 / 1829.92 0.90 [0.85 - 0.94]
Bronchitis,emphysema & asthma (490-493) Test for trend : Chi2= 3.20 p=0.073	32 / 37.42 0.86 [0.58 - 1.21]	37 / 30.53 1.21 [0.85 - 1.67]	26 / 36.31 0.72 [0.47 - 1.05]	23 / 38.11 0.60 [0.38 - 0.91]	118 / 142.38 0.83 [0.69 - 0.99]

TOTAL COHORT

Men

Duration of exposure (years)	0 - 3	4 - 11	12 - 22	23+	Total
ALL CAUSES Test for trend : Chi2= 12.87 p=0.000	1348 / 1501.77 0.90 [0.85 - 0.95]	1215 / 1219.66 1.00 [0.94 - 1.05]	1229 / 1396.71 0.88 [0.83 - 0.93]	1341 / 1663.67 0.81 [0.76 - 0.85]	5133 / 5781.81 0.89 [0.86 - 0.91]
ALL MALIGNANT NEOPLASMS (140-208) Test for trend : Chi2= 1.57 p=0.211	302 / 323.09 0.93 [0.83 - 1.05]	284 / 275.83 1.03 [0.91 - 1.16]	271 / 317.31 0.85 [0.76 - 0.96]	345 / 387.43 0.89 [0.80 - 0.99]	1202 / 1303.65 0.92 [0.87 - 0.98]
Lung (162) Test for trend : Chi2= 1.31 p=0.253	93 / 91.93 1.01 [0.82 - 1.24]	86 / 74.89 1.15 [0.92 - 1.42]	88 / 84.82 1.04 [0.83 - 1.28]	84 / 96.71 0.87 [0.69 - 1.08]	351 / 348.34 1.01 [0.90 - 1.12]
Pleura (163) Test for trend : Chi2= 0.34 p=0.558	3 / 1.54 1.95 [0.40 - 5.70]	3 / 1.21 2.48 [0.51 - 7.25]	3 / 1.22 2.46 [0.51 - 7.18]	5 / 1.65 3.04 [0.99 - 7.08]	14 / 5.62 2.49 [1.36 - 4.18]
Other male genital organs (187) Test for trend : Chi2= 0.80 p=0.370	2 / 0.40 5.03 [0.61 - 18.2]	0 / 0.34 0.00 [0.00 - 10.9]	0 / 0.39 0.00 [0.00 - 9.49]	1 / 0.49 2.05 [0.05 - 11.4]	3 / 1.61 1.86 [0.38 - 5.44]
Kidney (189) Test for trend : Chi2= 0.01 p=0.926	9 / 9.66 0.93 [0.43 - 1.77]	8 / 7.97 1.00 [0.43 - 1.98]	10 / 8.72 1.15 [0.55 - 2.11]	10 / 11.57 0.86 [0.41 - 1.59]	37 / 37.93 0.98 [0.69 - 1.34]
Ischaemic heart disease (410-414) Test for trend : Chi2= 1.32 p=0.251	365 / 438.31 0.83 [0.75 - 0.92]	331 / 367.47 0.90 [0.81 - 1.00]	424 / 429.17 0.99 [0.90 - 1.09]	459 / 517.49 0.89 [0.81 - 0.97]	1579 / 1752.44 0.90 [0.86 - 0.95]
Bronchitis,emphysema & asthma (490-493) Test for trend : Chi2= 3.52 p=0.061	31 / 35.63 0.87 [0.59 - 1.23]	37 / 29.63 1.25 [0.88 - 1.72]	26 / 35.89 0.72 [0.47 - 1.06]	23 / 38.05 0.60 [0.38 - 0.91]	117 / 139.21 0.84 [0.70 - 1.01]

Table 2.13.3

Mortality from selected causes by duration of exposure to BRIGH (optical brighteners in papermaking)

TOTAL COHORT

Duration of exposure (years)	0 - 2	3 - 6	7 - 13	14+	Total
ALL CAUSES Test for trend : Chi2= 0.02 p=0.877	300 / 378.87 0.79 [0.70 - 0.89]	312 / 330.34 0.94 [0.84 - 1.06]	266 / 279.61 0.95 [0.84 - 1.07]	277 / 355.88 0.78 [0.69 - 0.88]	1155 / 1344.70 0.86 [0.81 - 0.91]
ALL MALIGNANT NEOPLASMS (140-208) Test for trend : Chi2= 0.01 p=0.910	66 / 95.99 0.69 [0.53 - 0.87]	78 / 81.23 0.96 [0.76 - 1.20]	71 / 70.33 1.01 [0.79 - 1.27]	64 / 92.55 0.69 [0.53 - 0.88]	279 / 340.09 0.82 [0.73 - 0.92]
Lung (162) Test for trend : Chi2= 0.20 p=0.653	18 / 29.67 0.61 [0.36 - 0.96]	26 / 23.92 1.09 [0.71 - 1.59]	21 / 22.35 0.94 [0.58 - 1.44]	21 / 27.89 0.75 [0.47 - 1.15]	86 / 103.82 0.83 [0.66 - 1.02]
Melanoma (172) Test for trend : Chi2= 0.33 p=0.568	3 / 1.37 2.20 [0.45 - 6.42]	2 / 1.02 1.96 [0.24 - 7.09]	0 / 0.74 0.00 [0.00 - 4.96]	5 / 1.40 3.57 [1.16 - 8.34]	10 / 4.53 2.21 [1.06 - 4.06]
Other male genital organs (187)	0 / 0.13 0.00 [0.00 - 28.8]	0 / 0.11 0.00 [0.00 - 34.0]	0 / 0.09 0.00 [0.00 - 40.2]	0 / 0.12 0.00 [0.00 - 31.5]	0 / 0.45 0.00 [0.00 - 8.29]
Ischaemic heart disease (410-414) Test for trend : Chi2= 0.07 p=0.793	101 / 108.72 0.93 [0.76 - 1.13]	95 / 98.99 0.96 [0.78 - 1.17]	96 / 88.63 1.08 [0.88 - 1.32]	105 / 112.49 0.93 [0.76 - 1.13]	397 / 408.83 0.97 [0.88 - 1.07]
Bronchitis, emphysema & asthma (490-493) Test for trend : Chi2= 2.95 p=0.086	11 / 10.30 1.07 [0.53 - 1.91]	17 / 10.13 1.68 [0.98 - 2.69]	7 / 9.37 0.75 [0.30 - 1.54]	5 / 9.34 0.54 [0.17 - 1.25]	40 / 39.14 1.02 [0.73 - 1.39]

TOTAL COHORT

Men

Duration of exposure (years)	0 - 2	3 - 6	7 - 13	14+	Total
ALL CAUSES Test for trend : Chi2= 0.04 p=0.838	263 / 332.00 0.79 [0.70 - 0.89]	269 / 281.90 0.95 [0.84 - 1.08]	239 / 255.71 0.93 [0.82 - 1.06]	270 / 343.21 0.79 [0.70 - 0.89]	1041 / 1212.82 0.86 [0.81 - 0.91]
ALL MALIGNANT NEOPLASMS (140-208) Test for trend : Chi2= 0.03 p=0.867	58 / 82.03 0.71 [0.54 - 0.91]	67 / 68.69 0.98 [0.76 - 1.24]	63 / 63.83 0.99 [0.76 - 1.26]	61 / 88.20 0.69 [0.53 - 0.89]	249 / 302.75 0.82 [0.72 - 0.93]
Lung (162) Test for trend : Chi2= 0.14 p=0.705	17 / 27.63 0.62 [0.36 - 0.99]	23 / 21.97 1.05 [0.66 - 1.57]	20 / 21.31 0.94 [0.57 - 1.45]	20 / 27.07 0.74 [0.45 - 1.14]	80 / 97.98 0.82 [0.65 - 1.02]
Melanoma (172) Test for trend : Chi2= 0.79 p=0.373	2 / 1.21 1.66 [0.20 - 5.99]	2 / 0.91 2.20 [0.27 - 7.94]	0 / 0.69 0.00 [0.00 - 5.35]	5 / 1.36 3.69 [1.20 - 8.60]	9 / 4.16 2.16 [0.99 - 4.10]
Other male genital organs (187)	0 / 0.13 0.00 [0.00 - 28.8]	0 / 0.11 0.00 [0.00 - 34.0]	0 / 0.09 0.00 [0.00 - 40.2]	0 / 0.12 0.00 [0.00 - 31.5]	0 / 0.45 0.00 [0.00 - 8.29]
Ischaemic heart disease (410-414) Test for trend : Chi2= 0.10 p=0.753	89 / 98.28 0.91 [0.73 - 1.11]	84 / 87.07 0.96 [0.77 - 1.19]	87 / 82.61 1.05 [0.84 - 1.30]	102 / 109.54 0.93 [0.76 - 1.13]	362 / 377.49 0.96 [0.86 - 1.06]
Bronchitis, emphysema & asthma (490-493) Test for trend : Chi2= 2.04 p=0.153	9 / 9.46 0.95 [0.43 - 1.81]	16 / 9.24 1.73 [0.99 - 2.81]	7 / 8.93 0.78 [0.32 - 1.61]	5 / 9.08 0.55 [0.18 - 1.29]	37 / 36.71 1.01 [0.71 - 1.39]

Table 2.13.4

Mortality from selected causes by duration of exposure to CLIO (inorganic chlorine compounds)

TOTAL COHORT

Duration of exposure (years)	0 - 2	3 - 8	9 - 17	18+	Total
ALL CAUSES	749 / 800.33 0.94 [0.87 - 1.01]	788 / 744.05 1.06 [0.99 - 1.14]	690 / 741.10 0.93 [0.86 - 1.00]	740 / 894.12 0.83 [0.77 - 0.89]	2967 / 3179.60 0.93 [0.90 - 0.97]
Test for trend : Chi2= 9.50 p=0.002					
ALL MALIGNANT NEOPLASMS (140-208)	157 / 191.33 0.82 [0.70 - 0.96]	197 / 184.97 1.07 [0.92 - 1.22]	174 / 184.72 0.94 [0.81 - 1.09]	181 / 222.99 0.81 [0.70 - 0.94]	709 / 784.01 0.90 [0.84 - 0.97]
Test for trend : Chi2= 0.36 p=0.546					
Pancreas (157)	17 / 9.04 1.88 [1.09 - 3.01]	11 / 9.26 1.19 [0.59 - 2.13]	13 / 9.23 1.41 [0.75 - 2.41]	7 / 11.76 0.60 [0.24 - 1.23]	48 / 39.29 1.22 [0.90 - 1.62]
Test for trend : Chi2= 5.77 p=0.016					
Lung (162)	41 / 48.83 0.84 [0.60 - 1.14]	59 / 44.56 1.32 [1.01 - 1.71]	47 / 47.61 0.99 [0.73 - 1.31]	46 / 48.99 0.94 [0.69 - 1.25]	193 / 190.00 1.02 [0.88 - 1.17]
Test for trend : Chi2= 0.00 p=0.985					
Other male genital organs (187)	0 / 0.22 0.00 [0.00 - 16.9]	1 / 0.20 4.92 [0.12 - 27.4]	1 / 0.22 4.59 [0.11 - 25.6]	0 / 0.29 0.00 [0.00 - 12.9]	2 / 0.93 2.16 [0.26 - 7.80]
Test for trend : Chi2= 0.02 p=0.883					
Non-Hodgkins lymphoma (200,202)	6 / 4.63 1.30 [0.48 - 2.82]	4 / 4.30 0.93 [0.25 - 2.38]	5 / 4.09 1.22 [0.40 - 2.85]	4 / 5.22 0.77 [0.21 - 1.96]	19 / 18.23 1.04 [0.63 - 1.63]
Test for trend : Chi2= 0.44 p=0.509					
Ischaemic heart disease (410-414)	224 / 203.32 1.10 [0.96 - 1.26]	233 / 207.10 1.13 [0.99 - 1.28]	229 / 217.32 1.05 [0.92 - 1.20]	233 / 253.36 0.92 [0.81 - 1.05]	919 / 881.10 1.04 [0.98 - 1.11]
Test for trend : Chi2= 4.43 p=0.035					
Bronchitis,emphysema & asthma (490-493)	24 / 18.51 1.30 [0.83 - 1.93]	18 / 18.23 0.99 [0.59 - 1.56]	19 / 19.37 0.98 [0.59 - 1.53]	25 / 19.36 1.29 [0.84 - 1.91]	86 / 75.47 1.14 [0.91 - 1.41]
Test for trend : Chi2= 0.00 p=0.992					

TOTAL COHORT

Men

Duration of exposure (years)	0 - 2	3 - 8	9 - 17	18+	Total
ALL CAUSES	679 / 708.94 0.96 [0.89 - 1.03]	679 / 623.94 1.09 [1.01 - 1.17]	626 / 663.18 0.94 [0.87 - 1.02]	708 / 851.41 0.83 [0.77 - 0.90]	2692 / 2847.46 0.95 [0.91 - 0.98]
Test for trend : Chi2= 11.50 p=0.001					
ALL MALIGNANT NEOPLASMS (140-208)	136 / 163.83 0.83 [0.70 - 0.98]	176 / 153.07 1.15 [0.99 - 1.33]	147 / 161.34 0.91 [0.77 - 1.07]	168 / 210.47 0.80 [0.68 - 0.93]	627 / 688.71 0.91 [0.84 - 0.98]
Test for trend : Chi2= 1.39 p=0.239					
Pancreas (157)	15 / 7.82 1.92 [1.07 - 3.16]	9 / 7.63 1.18 [0.54 - 2.24]	12 / 8.02 1.50 [0.77 - 2.61]	6 / 11.12 0.54 [0.20 - 1.17]	42 / 34.59 1.21 [0.88 - 1.64]
Test for trend : Chi2= 6.00 p=0.014					
Lung (162)	38 / 45.93 0.83 [0.59 - 1.14]	55 / 41.23 1.33 [1.00 - 1.74]	44 / 45.22 0.97 [0.71 - 1.31]	44 / 48.02 0.92 [0.67 - 1.23]	181 / 180.40 1.00 [0.86 - 1.16]
Test for trend : Chi2= 0.01 p=0.915					
Other male genital organs (187)	0 / 0.22 0.00 [0.00 - 16.9]	1 / 0.20 4.92 [0.12 - 27.4]	1 / 0.22 4.59 [0.11 - 25.6]	0 / 0.29 0.00 [0.00 - 12.9]	2 / 0.93 2.16 [0.26 - 7.80]
Test for trend : Chi2= 0.02 p=0.883					
Non-Hodgkins lymphoma (200,202)	5 / 4.02 1.25 [0.40 - 2.91]	4 / 3.56 1.13 [0.31 - 2.88]	5 / 3.54 1.41 [0.46 - 3.30]	4 / 4.93 0.81 [0.22 - 2.08]	18 / 16.04 1.12 [0.67 - 1.77]
Test for trend : Chi2= 0.26 p=0.609					
Ischaemic heart disease (410-414)	203 / 185.94 1.09 [0.95 - 1.25]	204 / 179.99 1.13 [0.98 - 1.30]	214 / 200.32 1.07 [0.93 - 1.22]	224 / 244.61 0.92 [0.80 - 1.04]	845 / 810.86 1.04 [0.97 - 1.11]
Test for trend : Chi2= 3.95 p=0.047					
Bronchitis,emphysema & asthma (490-493)	23 / 17.08 1.35 [0.85 - 2.02]	17 / 16.39 1.04 [0.60 - 1.66]	19 / 18.09 1.05 [0.63 - 1.64]	25 / 18.71 1.34 [0.86 - 1.97]	84 / 70.27 1.20 [0.95 - 1.48]
Test for trend : Chi2= 0.00 p=0.995					

Table 2.13.5

Mortality from selected causes by duration of exposure to CLNV (nonvolatile organochlorine compounds)

TOTAL COHORT

Duration of exposure (years)	0 - 2	3 - 8	9 - 17	18+	Total
ALL CAUSES Test for trend : Chi2= 27.29 p=0.000	1179 / 1240.26 0.95 [0.90 - 1.01]	1212 / 1098.60 1.10 [1.04 - 1.17]	1055 / 1108.10 0.95 [0.90 - 1.01]	1198 / 1495.18 0.80 [0.76 - 0.85]	4644 / 4942.14 0.94 [0.91 - 0.97]
ALL MALIGNANT NEOPLASMS (140-208) Test for trend : Chi2= 2.39 p=0.122	266 / 300.94 0.88 [0.78 - 1.00]	301 / 273.62 1.10 [0.98 - 1.23]	285 / 276.04 1.03 [0.92 - 1.16]	296 / 369.37 0.80 [0.71 - 0.90]	1148 / 1219.97 0.94 [0.89 - 1.00]
Larynx (161) Test for trend : Chi2= 1.93 p=0.164	4 / 3.78 1.06 [0.29 - 2.71]	8 / 3.40 2.35 [1.02 - 4.64]	6 / 3.64 1.65 [0.60 - 3.59]	2 / 5.47 0.37 [0.04 - 1.32]	20 / 16.29 1.23 [0.75 - 1.90]
Lung (162) Test for trend : Chi2= 0.18 p=0.675	74 / 77.20 0.96 [0.75 - 1.20]	80 / 67.18 1.19 [0.94 - 1.48]	85 / 71.80 1.18 [0.95 - 1.46]	76 / 84.63 0.90 [0.71 - 1.12]	315 / 300.81 1.05 [0.93 - 1.17]
Other male genital organs (187) Test for trend : Chi2= 0.65 p=0.418	1 / 0.33 3.02 [0.08 - 16.8]	2 / 0.31 6.55 [0.79 - 23.7]	2 / 0.31 6.42 [0.78 - 23.2]	0 / 0.44 0.00 [0.00 - 8.38]	5 / 1.39 3.60 [1.17 - 8.40]
Ischaemic heart disease (410-414) Test for trend : Chi2= 1.92 p=0.166	317 / 315.76 1.00 [0.90 - 1.12]	337 / 301.67 1.12 [1.00 - 1.24]	344 / 320.86 1.07 [0.96 - 1.19]	395 / 426.97 0.93 [0.84 - 1.02]	1393 / 1365.26 1.02 [0.97 - 1.08]
Bronchitis,emphysema & asthma (490-493) Test for trend : Chi2= 0.09 p=0.766	29 / 29.33 0.99 [0.66 - 1.42]	36 / 28.15 1.28 [0.90 - 1.77]	28 / 28.59 0.98 [0.65 - 1.42]	33 / 32.83 1.01 [0.69 - 1.41]	126 / 118.91 1.06 [0.88 - 1.26]

TOTAL COHORT

Men

Duration of exposure (years)	0 - 2	3 - 8	9 - 17	18+	Total
ALL CAUSES Test for trend : Chi2= 30.46 p=0.000	1027 / 1069.97 0.96 [0.90 - 1.02]	1041 / 924.16 1.13 [1.06 - 1.20]	897 / 965.19 0.93 [0.87 - 0.99]	1081 / 1353.98 0.80 [0.75 - 0.85]	4046 / 4313.30 0.94 [0.91 - 0.97]
ALL MALIGNANT NEOPLASMS (140-208) Test for trend : Chi2= 3.68 p=0.055	215 / 245.89 0.87 [0.76 - 1.00]	257 / 223.41 1.15 [1.01 - 1.30]	234 / 236.22 0.99 [0.87 - 1.13]	261 / 332.30 0.79 [0.69 - 0.89]	967 / 1037.82 0.93 [0.87 - 0.99]
Larynx (161) Test for trend : Chi2= 2.35 p=0.125	4 / 3.65 1.10 [0.30 - 2.80]	8 / 3.28 2.44 [1.05 - 4.80]	5 / 3.56 1.41 [0.46 - 3.28]	2 / 5.39 0.37 [0.04 - 1.34]	19 / 15.88 1.20 [0.72 - 1.87]
Lung (162) Test for trend : Chi2= 0.02 p=0.902	62 / 70.67 0.88 [0.67 - 1.12]	73 / 61.33 1.19 [0.93 - 1.50]	80 / 67.67 1.18 [0.94 - 1.47]	71 / 81.27 0.87 [0.68 - 1.10]	286 / 280.94 1.02 [0.90 - 1.14]
Other male genital organs (187) Test for trend : Chi2= 0.65 p=0.418	1 / 0.33 3.02 [0.08 - 16.8]	2 / 0.31 6.55 [0.79 - 23.7]	2 / 0.31 6.42 [0.78 - 23.2]	0 / 0.44 0.00 [0.00 - 8.38]	5 / 1.39 3.60 [1.17 - 8.40]
Ischaemic heart disease (410-414) Test for trend : Chi2= 0.71 p=0.400	279 / 284.48 0.98 [0.87 - 1.10]	291 / 264.81 1.10 [0.98 - 1.23]	302 / 288.28 1.05 [0.93 - 1.17]	370 / 393.07 0.94 [0.85 - 1.04]	1242 / 1230.64 1.01 [0.95 - 1.07]
Bronchitis,emphysema & asthma (490-493) Test for trend : Chi2= 0.78 p=0.379	27 / 25.64 1.05 [0.69 - 1.53]	34 / 24.65 1.38 [0.96 - 1.93]	26 / 25.98 1.00 [0.65 - 1.47]	28 / 30.28 0.92 [0.61 - 1.34]	115 / 106.55 1.08 [0.89 - 1.30]

Table 2.13.6

Mortality from selected causes by duration of exposure to CLVO (volatile organochlorine compounds)

TOTAL COHORT

Duration of exposure (years)	0 - 3	4 - 10	11 - 21	22+	Total
ALL CAUSES Test for trend : Chi2= 74.56 p=0.000	2458 / 2546.80 0.97 [0.93 - 1.00]	2232 / 2168.28 1.03 [0.99 - 1.07]	2436 / 2722.58 0.89 [0.86 - 0.93]	2267 / 2928.17 0.77 [0.74 - 0.81]	9393 / 10365.8 0.91 [0.89 - 0.92]
ALL MALIGNANT NEOPLASMS (140-208) Test for trend : Chi2= 10.95 p=0.001	557 / 589.01 0.95 [0.87 - 1.03]	573 / 517.35 1.11 [1.02 - 1.20]	569 / 644.89 0.88 [0.81 - 0.96]	591 / 710.82 0.83 [0.77 - 0.90]	2290 / 2462.07 0.93 [0.89 - 0.97]
Pleura (163) Test for trend : Chi2= 0.13 p=0.718	4 / 2.48 1.62 [0.44 - 4.14]	5 / 2.07 2.42 [0.79 - 5.65]	4 / 2.39 1.68 [0.46 - 4.29]	7 / 3.08 2.27 [0.91 - 4.69]	20 / 10.00 2.00 [1.22 - 3.09]
Lung (162) Test for trend : Chi2= 5.69 p=0.017	159 / 142.62 1.11 [0.95 - 1.30]	152 / 124.16 1.22 [1.04 - 1.44]	163 / 161.23 1.01 [0.86 - 1.18]	143 / 161.07 0.89 [0.75 - 1.05]	617 / 589.07 1.05 [0.97 - 1.13]
Other male genital organs (187) Test for trend : Chi2= 3.54 p=0.060	3 / 0.62 4.82 [1.00 - 14.1]	3 / 0.56 5.40 [1.11 - 15.8]	0 / 0.75 0.00 [0.00 - 4.91]	1 / 0.86 1.16 [0.03 - 6.46]	7 / 2.79 2.51 [1.01 - 5.17]
Ischaemic heart disease (410-414) Test for trend : Chi2= 1.49 p=0.222	617 / 668.64 0.92 [0.85 - 1.00]	620 / 608.52 1.02 [0.94 - 1.10]	806 / 803.20 1.00 [0.94 - 1.08]	755 / 865.48 0.87 [0.81 - 0.94]	2798 / 2945.83 0.95 [0.91 - 0.99]
Bronchitis, emphysema & asthma (490-493) Test for trend : Chi2= 6.85 p=0.009	69 / 56.63 1.22 [0.95 - 1.54]	51 / 52.27 0.98 [0.73 - 1.28]	64 / 68.95 0.93 [0.71 - 1.19]	47 / 63.46 0.74 [0.54 - 0.98]	231 / 241.31 0.96 [0.84 - 1.09]

TOTAL COHORT

Men

Duration of exposure (years)	0 - 3	4 - 10	11 - 21	22+	Total
ALL CAUSES Test for trend : Chi2= 75.34 p=0.000	2089 / 2158.37 0.97 [0.93 - 1.01]	1923 / 1846.88 1.04 [1.00 - 1.09]	2173 / 2448.18 0.89 [0.85 - 0.93]	2127 / 2759.27 0.77 [0.74 - 0.80]	8312 / 9212.70 0.90 [0.88 - 0.92]
ALL MALIGNANT NEOPLASMS (140-208) Test for trend : Chi2= 11.20 p=0.001	448 / 472.44 0.95 [0.86 - 1.04]	477 / 425.99 1.12 [1.02 - 1.22]	494 / 569.02 0.87 [0.79 - 0.95]	551 / 663.93 0.83 [0.76 - 0.90]	1970 / 2131.38 0.92 [0.88 - 0.97]
Pleura (163) Test for trend : Chi2= 0.15 p=0.696	4 / 2.28 1.76 [0.48 - 4.50]	4 / 1.93 2.07 [0.56 - 5.30]	4 / 2.27 1.76 [0.48 - 4.51]	7 / 3.00 2.33 [0.94 - 4.80]	19 / 9.48 2.00 [1.21 - 3.13]
Lung (162) Test for trend : Chi2= 3.47 p=0.062	139 / 130.57 1.06 [0.89 - 1.26]	140 / 115.01 1.22 [1.02 - 1.44]	156 / 154.17 1.01 [0.86 - 1.18]	141 / 157.10 0.90 [0.76 - 1.06]	576 / 556.85 1.03 [0.95 - 1.12]
Other male genital organs (187) Test for trend : Chi2= 3.54 p=0.060	3 / 0.62 4.82 [1.00 - 14.1]	3 / 0.56 5.40 [1.11 - 15.8]	0 / 0.75 0.00 [0.00 - 4.91]	1 / 0.86 1.16 [0.03 - 6.46]	7 / 2.79 2.51 [1.01 - 5.17]
Ischaemic heart disease (410-414) Test for trend : Chi2= 0.87 p=0.352	535 / 591.87 0.90 [0.83 - 0.98]	549 / 541.88 1.01 [0.93 - 1.10]	745 / 741.86 1.00 [0.93 - 1.08]	720 / 828.25 0.87 [0.81 - 0.94]	2549 / 2703.86 0.94 [0.91 - 0.98]
Bronchitis, emphysema & asthma (490-493) Test for trend : Chi2= 9.13 p=0.003	63 / 49.87 1.26 [0.97 - 1.62]	49 / 46.95 1.04 [0.77 - 1.38]	59 / 64.54 0.91 [0.70 - 1.18]	43 / 60.66 0.71 [0.51 - 0.95]	214 / 222.01 0.96 [0.84 - 1.10]

Table 2.13.7
Mortality from selected causes by duration of exposure to COMB (combustion products)

TOTAL COHORT

Duration of exposure (years)	0 - 4	5 - 12	13 - 25	26+	Total
ALL CAUSES Test for trend : Chi2= 100.3 p=0.000	3150 / 3221.15 0.98 [0.94 - 1.01]	2856 / 2825.84 1.01 [0.97 - 1.05]	3123 / 3576.61 0.87 [0.84 - 0.90]	2916 / 3730.76 0.78 [0.75 - 0.81]	12045 / 13354.4 0.90 [0.89 - 0.92]
ALL MALIGNANT NEOPLASMS (140-208) Test for trend : Chi2= 35.50 p=0.000	754 / 739.44 1.02 [0.95 - 1.10]	706 / 671.75 1.05 [0.97 - 1.13]	777 / 855.15 0.91 [0.85 - 0.97]	704 / 913.01 0.77 [0.72 - 0.83]	2941 / 3179.34 0.93 [0.89 - 0.96]
Nose & sinuses (160) Test for trend : Chi2= 2.01 p=0.156	4 / 1.81 2.21 [0.60 - 5.65]	2 / 1.78 1.12 [0.14 - 4.06]	3 / 2.98 1.01 [0.21 - 2.95]	3 / 4.01 0.75 [0.15 - 2.19]	12 / 10.58 1.13 [0.59 - 1.98]
Larynx (161) Test for trend : Chi2= 6.47 p=0.011	14 / 8.11 1.73 [0.94 - 2.90]	9 / 7.59 1.19 [0.54 - 2.25]	13 / 11.57 1.12 [0.60 - 1.92]	8 / 14.27 0.56 [0.24 - 1.10]	44 / 41.53 1.06 [0.77 - 1.42]
Lung (162) Test for trend : Chi2= 23.96 p=0.000	213 / 178.77 1.19 [1.04 - 1.36]	178 / 160.10 1.11 [0.95 - 1.29]	211 / 207.50 1.02 [0.88 - 1.16]	157 / 220.18 0.71 [0.61 - 0.83]	759 / 766.55 0.99 [0.92 - 1.06]
Pleura (163) Test for trend : Chi2= 0.93 p=0.334	3 / 3.14 0.95 [0.20 - 2.79]	4 / 2.73 1.47 [0.40 - 3.76]	9 / 3.39 2.65 [1.21 - 5.04]	6 / 3.64 1.65 [0.60 - 3.59]	22 / 12.90 1.71 [1.07 - 2.58]
Other male genital organs (187) Test for trend : Chi2= 1.10 p=0.295	2 / 0.79 2.53 [0.31 - 9.15]	3 / 0.74 4.07 [0.84 - 11.9]	2 / 1.00 2.00 [0.24 - 7.23]	1 / 1.11 0.90 [0.02 - 5.04]	8 / 3.63 2.20 [0.95 - 4.34]
Bladder (188) Test for trend : Chi2= 0.21 p=0.650	23 / 21.26 1.08 [0.69 - 1.62]	23 / 22.20 1.04 [0.66 - 1.55]	27 / 28.95 0.93 [0.61 - 1.36]	31 / 31.79 0.98 [0.66 - 1.38]	104 / 104.19 1.00 [0.82 - 1.21]
Ischaemic heart disease (410-414) Test for trend : Chi2= 5.10 p=0.024	781 / 826.16 0.95 [0.88 - 1.01]	858 / 790.23 1.09 [1.01 - 1.16]	968 / 1026.62 0.94 [0.88 - 1.00]	968 / 1085.93 0.89 [0.84 - 0.95]	3575 / 3728.93 0.96 [0.93 - 0.99]
Bronchitis, emphysema & asthma (490-493) Test for trend : Chi2= 3.40 p=0.065	70 / 72.50 0.97 [0.75 - 1.22]	69 / 68.97 1.00 [0.78 - 1.27]	88 / 87.02 1.01 [0.81 - 1.25]	57 / 84.62 0.67 [0.51 - 0.87]	284 / 313.12 0.91 [0.80 - 1.02]

TOTAL COHORT

Men

Duration of exposure (years)	0 - 4	5 - 12	13 - 25	26+	Total
ALL CAUSES Test for trend : Chi2= 101.6 p=0.000	2753 / 2799.56 0.98 [0.95 - 1.02]	2504 / 2453.01 1.02 [0.98 - 1.06]	2842 / 3251.42 0.87 [0.84 - 0.91]	2780 / 3571.36 0.78 [0.75 - 0.81]	10879 / 12075.3 0.90 [0.88 - 0.92]
ALL MALIGNANT NEOPLASMS (140-208) Test for trend : Chi2= 34.03 p=0.000	621 / 608.54 1.02 [0.94 - 1.10]	600 / 567.19 1.06 [0.97 - 1.15]	697 / 766.96 0.91 [0.84 - 0.98]	668 / 870.84 0.77 [0.71 - 0.83]	2586 / 2813.53 0.92 [0.88 - 0.96]
Nose & sinuses (160) Test for trend : Chi2= 2.40 p=0.121	4 / 1.63 2.46 [0.67 - 6.29]	2 / 1.62 1.23 [0.15 - 4.45]	3 / 2.84 1.06 [0.22 - 3.09]	3 / 3.93 0.76 [0.16 - 2.23]	12 / 10.03 1.20 [0.62 - 2.09]
Larynx (161) Test for trend : Chi2= 6.46 p=0.011	14 / 7.85 1.78 [0.98 - 2.99]	8 / 7.38 1.08 [0.47 - 2.14]	13 / 11.39 1.14 [0.61 - 1.95]	8 / 14.19 0.56 [0.24 - 1.11]	43 / 40.80 1.05 [0.76 - 1.42]
Lung (162) Test for trend : Chi2= 19.31 p=0.000	189 / 165.05 1.15 [0.99 - 1.32]	167 / 149.92 1.11 [0.95 - 1.30]	201 / 199.66 1.01 [0.87 - 1.16]	156 / 216.83 0.72 [0.61 - 0.84]	713 / 731.46 0.97 [0.90 - 1.05]
Pleura (163) Test for trend : Chi2= 0.82 p=0.366	2 / 2.93 0.68 [0.08 - 2.47]	4 / 2.54 1.57 [0.43 - 4.03]	8 / 3.22 2.48 [1.07 - 4.89]	5 / 3.56 1.40 [0.46 - 3.27]	19 / 12.25 1.55 [0.93 - 2.42]
Other male genital organs (187) Test for trend : Chi2= 1.10 p=0.295	2 / 0.79 2.53 [0.31 - 9.15]	3 / 0.74 4.07 [0.84 - 11.9]	2 / 1.00 2.00 [0.24 - 7.23]	1 / 1.11 0.90 [0.02 - 5.04]	8 / 3.63 2.20 [0.95 - 4.34]
Bladder (188) Test for trend : Chi2= 0.00 p=0.956	20 / 19.55 1.02 [0.62 - 1.58]	20 / 20.65 0.97 [0.59 - 1.50]	27 / 27.58 0.98 [0.65 - 1.42]	31 / 31.11 1.00 [0.68 - 1.41]	98 / 98.89 0.99 [0.80 - 1.21]
Ischaemic heart disease (410-414) Test for trend : Chi2= 3.53 p=0.060	697 / 747.91 0.93 [0.86 - 1.00]	768 / 714.78 1.07 [1.00 - 1.15]	909 / 958.81 0.95 [0.89 - 1.01]	936 / 1051.49 0.89 [0.83 - 0.95]	3310 / 3473.00 0.95 [0.92 - 0.99]
Bronchitis, emphysema & asthma (490-493) Test for trend : Chi2= 5.25 p=0.022	64 / 64.64 0.99 [0.76 - 1.26]	65 / 62.56 1.04 [0.80 - 1.32]	83 / 81.32 1.02 [0.81 - 1.27]	52 / 82.30 0.63 [0.47 - 0.83]	264 / 290.82 0.91 [0.80 - 1.02]

Table 2.13.8
Mortality from selected causes by duration of exposure to DYES

TOTAL COHORT

Duration of exposure (years)	0 - 3	4 - 9	10 - 20	21+	Total
ALL CAUSES Test for trend : Chi2= 103.8 p=0.000	2041 / 1993.31 1.02 [0.98 - 1.07]	1556 / 1566.82 0.99 [0.94 - 1.04]	1838 / 2009.42 0.91 [0.87 - 0.96]	1722 / 2330.66 0.74 [0.70 - 0.77]	7157 / 7900.20 0.91 [0.89 - 0.93]
ALL MALIGNANT NEOPLASMS (140-208) Test for trend : Chi2= 21.19 p=0.000	503 / 487.76 1.03 [0.94 - 1.13]	409 / 401.26 1.02 [0.92 - 1.12]	491 / 512.26 0.96 [0.88 - 1.05]	446 / 581.43 0.77 [0.70 - 0.84]	1849 / 1982.71 0.93 [0.89 - 0.98]
Lung (162) Test for trend : Chi2= 10.10 p=0.001	137 / 116.26 1.18 [0.99 - 1.39]	100 / 92.95 1.08 [0.88 - 1.31]	123 / 121.05 1.02 [0.84 - 1.21]	106 / 136.22 0.78 [0.64 - 0.94]	466 / 466.48 1.00 [0.91 - 1.09]
Soft tissue (171) Test for trend : Chi2= 0.26 p=0.610	3 / 2.49 1.21 [0.25 - 3.53]	2 / 1.81 1.11 [0.13 - 4.00]	3 / 2.12 1.42 [0.29 - 4.14]	4 / 2.35 1.70 [0.46 - 4.35]	12 / 8.76 1.37 [0.71 - 2.39]
Other male genital organs (187) Test for trend : Chi2= 0.16 p=0.686	0 / 0.51 0.00 [0.00 - 7.17]	1 / 0.42 2.36 [0.06 - 13.1]	0 / 0.59 0.00 [0.00 - 6.30]	1 / 0.72 1.39 [0.03 - 7.77]	2 / 2.24 0.89 [0.11 - 3.22]
Bladder (188) Test for trend : Chi2= 0.30 p=0.583	17 / 13.45 1.26 [0.74 - 2.02]	12 / 12.60 0.95 [0.49 - 1.66]	15 / 16.67 0.90 [0.50 - 1.48]	21 / 20.16 1.04 [0.64 - 1.59]	65 / 62.88 1.03 [0.80 - 1.32]
Ischaemic heart disease (410-414) Test for trend : Chi2= 6.45 p=0.011	518 / 495.99 1.04 [0.96 - 1.14]	416 / 414.16 1.00 [0.91 - 1.11]	590 / 559.03 1.06 [0.97 - 1.14]	600 / 680.02 0.88 [0.81 - 0.96]	2124 / 2149.19 0.99 [0.95 - 1.03]
Bronchitis, emphysema & asthma (490-493) Test for trend : Chi2= 6.22 p=0.013	58 / 45.74 1.27 [0.96 - 1.64]	30 / 38.60 0.78 [0.52 - 1.11]	53 / 48.98 1.08 [0.81 - 1.42]	38 / 56.22 0.68 [0.48 - 0.93]	179 / 189.54 0.94 [0.81 - 1.09]

TOTAL COHORT

Men

Duration of exposure (years)	0 - 3	4 - 9	10 - 20	21+	Total
ALL CAUSES Test for trend : Chi2= 94.30 p=0.000	1697 / 1658.41 1.02 [0.98 - 1.07]	1296 / 1294.17 1.00 [0.95 - 1.06]	1591 / 1741.06 0.91 [0.87 - 0.96]	1601 / 2166.89 0.74 [0.70 - 0.78]	6185 / 6860.54 0.90 [0.88 - 0.92]
ALL MALIGNANT NEOPLASMS (140-208) Test for trend : Chi2= 14.32 p=0.000	384 / 378.46 1.01 [0.92 - 1.12]	314 / 315.57 1.00 [0.89 - 1.11]	405 / 427.68 0.95 [0.86 - 1.04]	417 / 533.11 0.78 [0.71 - 0.86]	1520 / 1654.83 0.92 [0.87 - 0.97]
Lung (162) Test for trend : Chi2= 4.74 p=0.030	114 / 105.05 1.09 [0.90 - 1.30]	83 / 84.57 0.98 [0.78 - 1.22]	112 / 113.20 0.99 [0.81 - 1.19]	105 / 131.88 0.80 [0.65 - 0.96]	414 / 434.70 0.95 [0.86 - 1.05]
Soft tissue (171) Test for trend : Chi2= 0.30 p=0.586	2 / 1.96 1.02 [0.12 - 3.69]	1 / 1.39 0.72 [0.02 - 4.00]	3 / 1.75 1.71 [0.35 - 5.01]	3 / 2.15 1.39 [0.29 - 4.08]	9 / 7.25 1.24 [0.57 - 2.36]
Other male genital organs (187) Test for trend : Chi2= 0.16 p=0.686	0 / 0.51 0.00 [0.00 - 7.17]	1 / 0.42 2.36 [0.06 - 13.1]	0 / 0.59 0.00 [0.00 - 6.30]	1 / 0.72 1.39 [0.03 - 7.77]	2 / 2.24 0.89 [0.11 - 3.22]
Bladder (188) Test for trend : Chi2= 0.03 p=0.874	14 / 12.05 1.16 [0.64 - 1.95]	11 / 11.41 0.96 [0.48 - 1.72]	14 / 15.43 0.91 [0.50 - 1.52]	21 / 19.37 1.08 [0.67 - 1.66]	60 / 58.27 1.03 [0.79 - 1.33]
Ischaemic heart disease (410-414) Test for trend : Chi2= 4.27 p=0.039	442 / 438.13 1.01 [0.92 - 1.11]	366 / 363.75 1.01 [0.91 - 1.11]	540 / 505.05 1.07 [0.98 - 1.16]	563 / 644.54 0.87 [0.80 - 0.95]	1911 / 1951.47 0.98 [0.94 - 1.02]
Bronchitis, emphysema & asthma (490-493) Test for trend : Chi2= 8.37 p=0.004	53 / 39.09 1.36 [1.02 - 1.77]	28 / 33.61 0.83 [0.55 - 1.20]	48 / 44.05 1.09 [0.80 - 1.44]	35 / 53.18 0.66 [0.46 - 0.92]	164 / 169.93 0.97 [0.82 - 1.12]

Table 2.13.9

Mortality from selected causes by duration of exposure to EPI (epichlorohydrine derivatives)

TOTAL COHORT

Duration of exposure (years)	0 - 2	3 - 7	8 - 16	17+	Total
ALL CAUSES Test for trend : Chi2= 25.08 p=0.000	769 / 841.59 0.91 [0.85 - 0.98]	693 / 715.06 0.97 [0.90 - 1.04]	733 / 792.63 0.92 [0.86 - 0.99]	739 / 1039.16 0.71 [0.66 - 0.76]	2934 / 3388.44 0.87 [0.83 - 0.90]
ALL MALIGNANT NEOPLASMS (140-208) Test for trend : Chi2= 0.31 p=0.577	162 / 181.77 0.89 [0.76 - 1.04]	129 / 160.24 0.81 [0.67 - 0.96]	196 / 186.54 1.05 [0.91 - 1.21]	196 / 250.04 0.78 [0.68 - 0.90]	683 / 778.60 0.88 [0.81 - 0.95]
Oral cavity & pharynx (140-149) Test for trend : Chi2= 0.20 p=0.657	1 / 3.67 0.27 [0.01 - 1.52]	3 / 3.30 0.91 [0.19 - 2.66]	4 / 3.53 1.13 [0.31 - 2.90]	3 / 5.30 0.57 [0.12 - 1.65]	11 / 15.81 0.70 [0.35 - 1.25]
Larynx (161) Test for trend : Chi2= 2.46 p=0.117	4 / 2.16 1.85 [0.50 - 4.75]	2 / 1.90 1.05 [0.13 - 3.80]	6 / 2.13 2.82 [1.04 - 6.14]	0 / 3.32 0.00 [0.00 - 1.11]	12 / 9.51 1.26 [0.65 - 2.20]
Lung (162) Test for trend : Chi2= 1.56 p=0.212	51 / 43.86 1.16 [0.87 - 1.53]	33 / 36.16 0.91 [0.63 - 1.28]	56 / 43.84 1.28 [0.96 - 1.66]	55 / 65.89 0.83 [0.63 - 1.09]	195 / 189.74 1.03 [0.89 - 1.18]
Pleura (163) Test for trend : Chi2= 0.16 p=0.690	1 / 0.79 1.26 [0.03 - 7.05]	1 / 0.65 1.53 [0.04 - 8.52]	4 / 0.73 5.46 [1.49 - 14.0]	0 / 1.20 0.00 [0.00 - 3.08]	6 / 3.37 1.78 [0.65 - 3.87]
Other male genital organs (187) Test for trend : Chi2= 0.37 p=0.541	0 / 0.18 0.00 [0.00 - 20.4]	1 / 0.16 6.15 [0.15 - 34.3]	0 / 0.19 0.00 [0.00 - 19.2]	0 / 0.28 0.00 [0.00 - 13.0]	1 / 0.82 1.22 [0.03 - 6.81]
Ischaemic heart disease (410-414) Test for trend : Chi2= 0.38 p=0.536	183 / 205.23 0.89 [0.77 - 1.03]	185 / 190.09 0.97 [0.84 - 1.12]	201 / 227.66 0.88 [0.77 - 1.01]	261 / 300.60 0.87 [0.77 - 0.98]	830 / 923.58 0.90 [0.84 - 0.96]
Bronchitis, emphysema & asthma (490-493) Test for trend : Chi2= 0.01 p=0.931	11 / 17.12 0.64 [0.32 - 1.15]	16 / 15.92 1.01 [0.57 - 1.63]	14 / 19.48 0.72 [0.39 - 1.21]	20 / 27.54 0.73 [0.44 - 1.12]	61 / 80.05 0.76 [0.58 - 0.98]

TOTAL COHORT

Men

Duration of exposure (years)	0 - 2	3 - 7	8 - 16	17+	Total
ALL CAUSES Test for trend : Chi2= 21.34 p=0.000	644 / 709.75 0.91 [0.84 - 0.98]	555 / 572.83 0.97 [0.89 - 1.05]	610 / 642.06 0.95 [0.88 - 1.03]	661 / 936.10 0.71 [0.65 - 0.76]	2470 / 2860.75 0.86 [0.83 - 0.90]
ALL MALIGNANT NEOPLASMS (140-208) Test for trend : Chi2= 0.11 p=0.743	124 / 143.76 0.86 [0.72 - 1.03]	95 / 123.32 0.77 [0.62 - 0.94]	165 / 147.05 1.12 [0.96 - 1.31]	168 / 220.10 0.76 [0.65 - 0.89]	552 / 634.23 0.87 [0.80 - 0.95]
Oral cavity & pharynx (140-149) Test for trend : Chi2= 0.00 p=0.971	1 / 3.30 0.30 [0.01 - 1.69]	3 / 2.93 1.02 [0.21 - 2.99]	4 / 3.14 1.27 [0.35 - 3.26]	2 / 5.02 0.40 [0.05 - 1.44]	10 / 14.39 0.69 [0.33 - 1.28]
Larynx (161) Test for trend : Chi2= 3.02 p=0.082	4 / 2.09 1.91 [0.52 - 4.90]	2 / 1.83 1.09 [0.13 - 3.94]	5 / 2.06 2.42 [0.79 - 5.65]	0 / 3.27 0.00 [0.00 - 1.13]	11 / 9.26 1.19 [0.59 - 2.13]
Lung (162) Test for trend : Chi2= 0.83 p=0.361	44 / 40.58 1.08 [0.79 - 1.46]	28 / 32.94 0.85 [0.56 - 1.23]	54 / 40.65 1.33 [1.00 - 1.73]	51 / 63.23 0.81 [0.60 - 1.06]	177 / 177.40 1.00 [0.86 - 1.16]
Pleura (163) Test for trend : Chi2= 0.05 p=0.826	1 / 0.71 1.41 [0.04 - 7.84]	0 / 0.57 0.00 [0.00 - 6.42]	4 / 0.65 6.16 [1.68 - 15.8]	0 / 1.13 0.00 [0.00 - 3.27]	5 / 3.06 1.63 [0.53 - 3.81]
Other male genital organs (187) Test for trend : Chi2= 0.37 p=0.541	0 / 0.18 0.00 [0.00 - 20.4]	1 / 0.16 6.15 [0.15 - 34.3]	0 / 0.19 0.00 [0.00 - 19.2]	0 / 0.28 0.00 [0.00 - 13.0]	1 / 0.82 1.22 [0.03 - 6.81]
Ischaemic heart disease (410-414) Test for trend : Chi2= 0.07 p=0.799	158 / 179.38 0.88 [0.75 - 1.03]	147 / 157.55 0.93 [0.79 - 1.10]	172 / 192.53 0.89 [0.76 - 1.04]	243 / 278.36 0.87 [0.77 - 0.99]	720 / 807.82 0.89 [0.83 - 0.96]
Bronchitis, emphysema & asthma (490-493) Test for trend : Chi2= 0.63 p=0.428	11 / 15.00 0.73 [0.37 - 1.31]	15 / 13.59 1.10 [0.62 - 1.82]	10 / 17.14 0.58 [0.28 - 1.07]	17 / 25.62 0.66 [0.39 - 1.06]	53 / 71.35 0.74 [0.56 - 0.97]

Table 2.13.10
Mortality from selected causes by duration of exposure to FORM (formaldehyde)

TOTAL COHORT

Duration of exposure (years)	0 - 2	3 - 8	9 - 17	18+	Total
ALL CAUSES Test for trend : Chi2= 56.50 p=0.000	1688 / 1757.94 0.96 [0.91 - 1.01]	1911 / 1852.97 1.03 [0.99 - 1.08]	1761 / 1978.67 0.89 [0.85 - 0.93]	1752 / 2255.28 0.78 [0.74 - 0.81]	7112 / 7844.87 0.91 [0.89 - 0.93]
ALL MALIGNANT NEOPLASMS (140-208) Test for trend : Chi2= 28.03 p=0.000	427 / 418.86 1.02 [0.93 - 1.12]	461 / 456.31 1.01 [0.92 - 1.11]	453 / 491.28 0.92 [0.84 - 1.01]	394 / 549.20 0.72 [0.65 - 0.79]	1735 / 1915.65 0.91 [0.86 - 0.95]
Pancreas (157) Test for trend : Chi2= 2.41 p=0.121	28 / 20.40 1.37 [0.91 - 1.98]	25 / 22.56 1.11 [0.72 - 1.64]	27 / 24.88 1.09 [0.72 - 1.58]	26 / 29.33 0.89 [0.58 - 1.30]	106 / 97.18 1.09 [0.89 - 1.32]
Lung (162) Test for trend : Chi2= 10.66 p=0.001	120 / 101.22 1.19 [0.98 - 1.42]	117 / 107.56 1.09 [0.90 - 1.30]	110 / 122.10 0.90 [0.74 - 1.09]	100 / 125.80 0.79 [0.65 - 0.97]	447 / 456.67 0.98 [0.89 - 1.07]
Other male genital organs (187) Test for trend : Chi2= 0.05 p=0.819	0 / 0.43 0.00 [0.00 - 8.57]	2 / 0.47 4.22 [0.51 - 15.3]	2 / 0.56 3.59 [0.43 - 13.0]	1 / 0.67 1.50 [0.04 - 8.37]	5 / 2.13 2.35 [0.76 - 5.49]
Ischaemic heart disease (410-414) Test for trend : Chi2= 4.92 p=0.027	458 / 441.00 1.04 [0.95 - 1.14]	527 / 499.95 1.05 [0.97 - 1.15]	552 / 570.54 0.97 [0.89 - 1.05]	611 / 657.25 0.93 [0.86 - 1.01]	2148 / 2168.73 0.99 [0.95 - 1.03]
Bronchitis,emphysema & asthma (490-493) Test for trend : Chi2= 0.50 p=0.480	37 / 39.70 0.93 [0.66 - 1.28]	44 / 46.98 0.94 [0.68 - 1.26]	50 / 51.46 0.97 [0.72 - 1.28]	54 / 50.44 1.07 [0.80 - 1.40]	185 / 188.58 0.98 [0.84 - 1.13]

TOTAL COHORT

Men

Duration of exposure (years)	0 - 2	3 - 8	9 - 17	18+	Total
ALL CAUSES Test for trend : Chi2= 53.89 p=0.000	1403 / 1471.32 0.95 [0.90 - 1.00]	1579 / 1502.20 1.05 [1.00 - 1.10]	1507 / 1704.41 0.88 [0.84 - 0.93]	1591 / 2063.96 0.77 [0.73 - 0.81]	6080 / 6741.89 0.90 [0.88 - 0.92]
ALL MALIGNANT NEOPLASMS (140-208) Test for trend : Chi2= 28.35 p=0.000	332 / 326.28 1.02 [0.91 - 1.13]	358 / 354.92 1.01 [0.91 - 1.12]	380 / 413.39 0.92 [0.83 - 1.02]	341 / 492.95 0.69 [0.62 - 0.77]	1411 / 1587.54 0.89 [0.84 - 0.94]
Pancreas (157) Test for trend : Chi2= 2.92 p=0.088	25 / 16.28 1.54 [0.99 - 2.27]	18 / 17.80 1.01 [0.60 - 1.60]	25 / 20.91 1.20 [0.77 - 1.76]	23 / 26.44 0.87 [0.55 - 1.31]	91 / 81.44 1.12 [0.90 - 1.37]
Lung (162) Test for trend : Chi2= 6.26 p=0.012	101 / 91.11 1.11 [0.90 - 1.35]	102 / 97.44 1.05 [0.85 - 1.27]	104 / 114.70 0.91 [0.74 - 1.10]	97 / 120.95 0.80 [0.65 - 0.98]	404 / 424.20 0.95 [0.86 - 1.05]
Other male genital organs (187) Test for trend : Chi2= 0.05 p=0.819	0 / 0.43 0.00 [0.00 - 8.57]	2 / 0.47 4.22 [0.51 - 15.3]	2 / 0.56 3.59 [0.43 - 13.0]	1 / 0.67 1.50 [0.04 - 8.37]	5 / 2.13 2.35 [0.76 - 5.49]
Ischaemic heart disease (410-414) Test for trend : Chi2= 2.63 p=0.105	393 / 390.27 1.01 [0.91 - 1.11]	451 / 430.82 1.05 [0.95 - 1.15]	489 / 510.90 0.96 [0.87 - 1.05]	577 / 618.27 0.93 [0.86 - 1.01]	1910 / 1950.26 0.98 [0.94 - 1.02]
Bronchitis,emphysema & asthma (490-493) Test for trend : Chi2= 0.31 p=0.576	33 / 34.02 0.97 [0.67 - 1.36]	38 / 40.95 0.93 [0.66 - 1.27]	45 / 46.86 0.96 [0.70 - 1.29]	51 / 47.32 1.08 [0.80 - 1.42]	167 / 169.15 0.99 [0.84 - 1.15]

Table 2.13.11

Mortality from selected causes by duration of exposure to FUNG (fungal spores and bacteria)

TOTAL COHORT

Duration of exposure (years)	0 - 4	5 - 12	13 - 25	26+	Total
ALL CAUSES	2988 / 2992.40 1.00 [0.96 - 1.03]	2571 / 2567.39 1.00 [0.96 - 1.04]	2880 / 3283.84 0.88 [0.85 - 0.91]	2675 / 3380.12 0.79 [0.76 - 0.82]	11114 / 12223.7 0.91 [0.89 - 0.93]
Test for trend : Chi2= 95.64 p=0.000					
ALL MALIGNANT NEOPLASMS (140-208)	703 / 690.26 1.02 [0.94 - 1.10]	654 / 612.10 1.07 [0.99 - 1.15]	712 / 789.25 0.90 [0.84 - 0.97]	641 / 828.44 0.77 [0.71 - 0.84]	2710 / 2920.05 0.93 [0.89 - 0.96]
Test for trend : Chi2= 33.05 p=0.000					
Nose & sinuses (160)	4 / 1.76 2.27 [0.62 - 5.81]	2 / 1.72 1.16 [0.14 - 4.20]	3 / 2.82 1.07 [0.22 - 3.11]	3 / 3.58 0.84 [0.17 - 2.45]	12 / 9.88 1.21 [0.63 - 2.12]
Test for trend : Chi2= 1.69 p=0.193					
Lung (162)	190 / 162.80 1.17 [1.01 - 1.35]	156 / 141.43 1.10 [0.94 - 1.29]	202 / 185.81 1.09 [0.94 - 1.25]	146 / 199.29 0.73 [0.62 - 0.86]	694 / 689.33 1.01 [0.93 - 1.08]
Test for trend : Chi2= 16.23 p=0.000					
Pleura (163)	4 / 2.86 1.40 [0.38 - 3.58]	4 / 2.44 1.64 [0.45 - 4.20]	6 / 3.05 1.96 [0.72 - 4.28]	5 / 3.31 1.51 [0.49 - 3.53]	19 / 11.66 1.63 [0.98 - 2.55]
Test for trend : Chi2= 0.03 p=0.855					
Other male genital organs (187)	2 / 0.73 2.75 [0.33 - 9.95]	4 / 0.66 6.11 [1.66 - 15.6]	1 / 0.93 1.08 [0.03 - 5.99]	1 / 1.00 1.00 [0.02 - 5.56]	8 / 3.31 2.41 [1.04 - 4.76]
Test for trend : Chi2= 1.85 p=0.173					
Non-Hodgkins lymphoma (200,202)	16 / 18.11 0.88 [0.51 - 1.43]	10 / 15.06 0.66 [0.32 - 1.22]	14 / 18.68 0.75 [0.41 - 1.26]	19 / 19.03 1.00 [0.60 - 1.56]	59 / 70.87 0.83 [0.63 - 1.07]
Test for trend : Chi2= 0.19 p=0.660					
Ischaemic heart disease (410-414)	765 / 770.29 0.99 [0.92 - 1.07]	760 / 720.85 1.05 [0.98 - 1.13]	904 / 953.89 0.95 [0.89 - 1.01]	912 / 987.18 0.92 [0.86 - 0.99]	3341 / 3432.21 0.97 [0.94 - 1.01]
Test for trend : Chi2= 4.51 p=0.034					
Bronchitis,emphysema & asthma (490-493)	70 / 64.84 1.08 [0.84 - 1.36]	53 / 59.07 0.90 [0.67 - 1.17]	85 / 78.29 1.09 [0.87 - 1.34]	53 / 77.33 0.69 [0.51 - 0.90]	261 / 279.54 0.93 [0.82 - 1.05]
Test for trend : Chi2= 3.94 p=0.047					

TOTAL COHORT

Men

Duration of exposure (years)	0 - 4	5 - 12	13 - 25	26+	Total
ALL CAUSES	2576 / 2562.21 1.01 [0.97 - 1.04]	2211 / 2189.67 1.01 [0.97 - 1.05]	2606 / 2963.90 0.88 [0.85 - 0.91]	2543 / 3226.41 0.79 [0.76 - 0.82]	9936 / 10942.2 0.91 [0.89 - 0.93]
Test for trend : Chi2= 95.66 p=0.000					
ALL MALIGNANT NEOPLASMS (140-208)	571 / 556.97 1.03 [0.94 - 1.11]	540 / 505.90 1.07 [0.98 - 1.16]	635 / 699.84 0.91 [0.84 - 0.98]	608 / 788.22 0.77 [0.71 - 0.84]	2354 / 2550.93 0.92 [0.89 - 0.96]
Test for trend : Chi2= 31.33 p=0.000					
Nose & sinuses (160)	4 / 1.57 2.54 [0.69 - 6.51]	2 / 1.55 1.29 [0.16 - 4.66]	3 / 2.67 1.12 [0.23 - 3.29]	3 / 3.51 0.85 [0.18 - 2.50]	12 / 9.31 1.29 [0.67 - 2.25]
Test for trend : Chi2= 2.07 p=0.150					
Lung (162)	164 / 149.11 1.10 [0.94 - 1.28]	142 / 131.04 1.08 [0.91 - 1.28]	191 / 177.75 1.07 [0.93 - 1.24]	146 / 195.99 0.74 [0.63 - 0.88]	643 / 653.89 0.98 [0.91 - 1.06]
Test for trend : Chi2= 10.84 p=0.001					
Pleura (163)	3 / 2.65 1.13 [0.23 - 3.31]	4 / 2.28 1.76 [0.48 - 4.50]	6 / 2.91 2.06 [0.76 - 4.48]	5 / 3.24 1.54 [0.50 - 3.60]	18 / 11.09 1.62 [0.96 - 2.57]
Test for trend : Chi2= 0.18 p=0.674					
Other male genital organs (187)	2 / 0.73 2.75 [0.33 - 9.95]	4 / 0.66 6.11 [1.66 - 15.6]	1 / 0.93 1.08 [0.03 - 5.99]	1 / 1.00 1.00 [0.02 - 5.56]	8 / 3.31 2.41 [1.04 - 4.76]
Test for trend : Chi2= 1.85 p=0.173					
Non-Hodgkins lymphoma (200,202)	15 / 15.07 1.00 [0.56 - 1.64]	8 / 12.57 0.64 [0.27 - 1.25]	14 / 16.65 0.84 [0.46 - 1.41]	18 / 18.14 0.99 [0.59 - 1.57]	55 / 62.43 0.88 [0.66 - 1.15]
Test for trend : Chi2= 0.04 p=0.846					
Ischaemic heart disease (410-414)	680 / 691.04 0.98 [0.91 - 1.06]	666 / 640.27 1.04 [0.96 - 1.12]	842 / 882.81 0.95 [0.89 - 1.02]	880 / 952.29 0.92 [0.86 - 0.99]	3068 / 3166.40 0.97 [0.93 - 1.00]
Test for trend : Chi2= 3.08 p=0.079					
Bronchitis,emphysema & asthma (490-493)	64 / 57.00 1.12 [0.86 - 1.43]	50 / 52.92 0.94 [0.70 - 1.25]	81 / 73.01 1.11 [0.88 - 1.38]	49 / 75.04 0.65 [0.48 - 0.86]	244 / 257.98 0.95 [0.83 - 1.07]
Test for trend : Chi2= 5.79 p=0.016					

Table 2.13.12
Mortality from selected causes by duration of exposure to HG (mercury compounds)

TOTAL COHORT

Duration of exposure (years)	0 - 2	3 - 6	7 - 12	13+	Total
ALL CAUSES Test for trend : Chi2= 5.66 p=0.017	598 / 682.19 0.88 [0.81 - 0.95]	512 / 503.68 1.02 [0.93 - 1.11]	504 / 594.27 0.85 [0.78 - 0.93]	522 / 659.44 0.79 [0.73 - 0.86]	2136 / 2439.59 0.88 [0.84 - 0.91]
ALL MALIGNANT NEOPLASMS (140-208) Test for trend : Chi2= 1.20 p=0.273	144 / 156.37 0.92 [0.78 - 1.08]	138 / 124.33 1.11 [0.93 - 1.31]	134 / 147.83 0.91 [0.76 - 1.07]	129 / 151.97 0.85 [0.71 - 1.01]	545 / 580.50 0.94 [0.86 - 1.02]
Oral cavity & pharynx (140-149) Test for trend : Chi2= 0.28 p=0.597	3 / 2.88 1.04 [0.21 - 3.04]	3 / 2.16 1.39 [0.29 - 4.05]	4 / 2.71 1.48 [0.40 - 3.78]	4 / 2.57 1.55 [0.42 - 3.98]	14 / 10.33 1.36 [0.74 - 2.27]
Liver (155) Test for trend : Chi2= 1.58 p=0.209	1 / 2.63 0.38 [0.01 - 2.12]	1 / 2.16 0.46 [0.01 - 2.58]	2 / 4.38 0.46 [0.06 - 1.65]	4 / 3.09 1.30 [0.35 - 3.32]	8 / 12.25 0.65 [0.28 - 1.29]
Lung (162) Test for trend : Chi2= 1.57 p=0.211	42 / 39.17 1.07 [0.77 - 1.45]	37 / 30.05 1.23 [0.87 - 1.70]	33 / 31.77 1.04 [0.71 - 1.46]	27 / 33.76 0.80 [0.53 - 1.16]	139 / 134.76 1.03 [0.87 - 1.22]
Pleura (163) Test for trend : Chi2= 8.29 p=0.004	0 / 0.76 0.00 [0.00 - 4.89]	1 / 0.59 1.71 [0.04 - 9.51]	0 / 0.61 0.00 [0.00 - 6.05]	6 / 0.67 8.94 [3.28 - 19.5]	7 / 2.62 2.67 [1.07 - 5.50]
Other male genital organs (187)	0 / 0.19 0.00 [0.00 - 19.7]	0 / 0.15 0.00 [0.00 - 24.4]	0 / 0.19 0.00 [0.00 - 19.8]	0 / 0.23 0.00 [0.00 - 15.8]	0 / 0.76 0.00 [0.00 - 4.87]
Ischaemic heart disease (410-414) Test for trend : Chi2= 0.77 p=0.380	182 / 189.11 0.96 [0.83 - 1.11]	167 / 156.76 1.07 [0.91 - 1.24]	167 / 178.38 0.94 [0.80 - 1.09]	180 / 198.26 0.91 [0.78 - 1.05]	696 / 722.52 0.96 [0.89 - 1.04]
Bronchitis,emphysema & asthma (490-493) Test for trend : Chi2= 0.89 p=0.347	15 / 15.86 0.95 [0.53 - 1.56]	15 / 13.83 1.08 [0.61 - 1.79]	12 / 13.37 0.90 [0.46 - 1.57]	11 / 16.32 0.67 [0.34 - 1.21]	53 / 59.38 0.89 [0.67 - 1.17]

TOTAL COHORT

Men

Duration of exposure (years)	0 - 2	3 - 6	7 - 12	13+	Total
ALL CAUSES Test for trend : Chi2= 5.77 p=0.016	544 / 615.56 0.88 [0.81 - 0.96]	472 / 464.30 1.02 [0.93 - 1.11]	473 / 556.89 0.85 [0.77 - 0.93]	504 / 634.16 0.79 [0.73 - 0.87]	1993 / 2270.92 0.88 [0.84 - 0.92]
ALL MALIGNANT NEOPLASMS (140-208) Test for trend : Chi2= 1.93 p=0.165	127 / 136.55 0.93 [0.78 - 1.11]	126 / 111.30 1.13 [0.94 - 1.35]	120 / 135.88 0.88 [0.73 - 1.06]	120 / 143.91 0.83 [0.69 - 1.00]	493 / 527.64 0.93 [0.85 - 1.02]
Oral cavity & pharynx (140-149) Test for trend : Chi2= 0.37 p=0.543	3 / 2.69 1.12 [0.23 - 3.26]	2 / 2.04 0.98 [0.12 - 3.54]	4 / 2.60 1.54 [0.42 - 3.94]	4 / 2.50 1.60 [0.44 - 4.10]	13 / 9.83 1.32 [0.70 - 2.26]
Liver (155) Test for trend : Chi2= 1.23 p=0.268	1 / 2.27 0.44 [0.01 - 2.45]	1 / 1.95 0.51 [0.01 - 2.86]	0 / 4.14 0.00 [0.00 - 0.89]	4 / 2.93 1.37 [0.37 - 3.50]	6 / 11.29 0.53 [0.20 - 1.16]
Lung (162) Test for trend : Chi2= 1.54 p=0.215	41 / 37.76 1.09 [0.78 - 1.47]	34 / 29.00 1.17 [0.81 - 1.64]	31 / 30.85 1.00 [0.68 - 1.43]	27 / 33.22 0.81 [0.54 - 1.18]	133 / 130.84 1.02 [0.85 - 1.20]
Pleura (163) Test for trend : Chi2= 8.21 p=0.004	0 / 0.72 0.00 [0.00 - 5.14]	1 / 0.56 1.78 [0.04 - 9.90]	0 / 0.59 0.00 [0.00 - 6.30]	6 / 0.65 9.27 [3.40 - 20.2]	7 / 2.51 2.78 [1.12 - 5.74]
Other male genital organs (187)	0 / 0.19 0.00 [0.00 - 19.7]	0 / 0.15 0.00 [0.00 - 24.4]	0 / 0.19 0.00 [0.00 - 19.8]	0 / 0.23 0.00 [0.00 - 15.8]	0 / 0.76 0.00 [0.00 - 4.87]
Ischaemic heart disease (410-414) Test for trend : Chi2= 0.57 p=0.451	171 / 176.26 0.97 [0.83 - 1.13]	156 / 148.54 1.05 [0.89 - 1.23]	160 / 170.22 0.94 [0.80 - 1.10]	179 / 194.13 0.92 [0.79 - 1.07]	666 / 689.16 0.97 [0.89 - 1.04]
Bronchitis,emphysema & asthma (490-493) Test for trend : Chi2= 1.21 p=0.272	15 / 15.00 1.00 [0.56 - 1.65]	15 / 13.15 1.14 [0.64 - 1.88]	11 / 12.76 0.86 [0.43 - 1.54]	11 / 15.98 0.69 [0.34 - 1.23]	52 / 56.89 0.91 [0.68 - 1.20]

Table 2.13.13
Mortality from selected causes by duration of exposure to HYDR (hydrazine)

TOTAL COHORT

Duration of exposure (years)	0 - 1	2 - 4	5 - 10	11+	Total
ALL CAUSES Test for trend : Chi2= 0.00 p=0.974	127 / 156.80 0.81 [0.68 - 0.96]	108 / 98.62 1.10 [0.90 - 1.32]	128 / 114.14 1.12 [0.94 - 1.33]	127 / 158.19 0.80 [0.67 - 0.96]	490 / 527.75 0.93 [0.85 - 1.01]
ALL MALIGNANT NEOPLASMS (140-208) Test for trend : Chi2= 0.52 p=0.473	30 / 30.29 0.99 [0.67 - 1.41]	19 / 21.66 0.88 [0.53 - 1.37]	25 / 26.14 0.96 [0.62 - 1.41]	29 / 36.30 0.80 [0.54 - 1.15]	103 / 114.39 0.90 [0.73 - 1.09]
Lung (162) Test for trend : Chi2= 3.27 p=0.070	9 / 8.31 1.08 [0.50 - 2.06]	5 / 6.26 0.80 [0.26 - 1.86]	11 / 7.05 1.56 [0.78 - 2.79]	1 / 9.55 0.10 [0.00 - 0.58]	26 / 31.16 0.83 [0.55 - 1.22]
Prostate (185) Test for trend : Chi2= 0.07 p=0.787	2 / 1.82 1.10 [0.13 - 3.97]	2 / 1.62 1.23 [0.15 - 4.46]	3 / 2.23 1.34 [0.28 - 3.93]	4 / 2.90 1.38 [0.38 - 3.53]	11 / 8.58 1.28 [0.64 - 2.29]
Other male genital organs (187)	0 / 0.04 0.00 [0.00 - 0104]	0 / 0.02 0.00 [0.00 - 0162]	0 / 0.03 0.00 [0.00 - 0135]	0 / 0.04 0.00 [0.00 - 91.2]	0 / 0.13 0.00 [0.00 - 29.3]
Ischaemic heart disease (410-414) Test for trend : Chi2= 0.75 p=0.388	39 / 40.41 0.97 [0.69 - 1.32]	21 / 28.37 0.74 [0.46 - 1.13]	36 / 33.55 1.07 [0.75 - 1.49]	49 / 45.59 1.07 [0.80 - 1.42]	145 / 147.91 0.98 [0.83 - 1.15]
Bronchitis,emphysema & asthma (490-493) Test for trend : Chi2= 0.43 p=0.510	2 / 2.94 0.68 [0.08 - 2.45]	5 / 2.51 2.00 [0.65 - 4.66]	4 / 2.76 1.45 [0.40 - 3.72]	1 / 3.26 0.31 [0.01 - 1.71]	12 / 11.46 1.05 [0.54 - 1.83]

TOTAL COHORT

Men

Duration of exposure (years)	0 - 1	2 - 4	5 - 10	11+	Total
ALL CAUSES Test for trend : Chi2= 0.00 p=0.984	117 / 146.63 0.80 [0.66 - 0.96]	100 / 91.62 1.09 [0.89 - 1.33]	121 / 105.93 1.14 [0.95 - 1.36]	121 / 154.18 0.78 [0.65 - 0.94]	459 / 498.37 0.92 [0.84 - 1.01]
ALL MALIGNANT NEOPLASMS (140-208) Test for trend : Chi2= 0.00 p=0.992	24 / 27.98 0.86 [0.55 - 1.28]	17 / 20.25 0.84 [0.49 - 1.34]	25 / 24.40 1.02 [0.66 - 1.51]	29 / 35.21 0.82 [0.55 - 1.18]	95 / 107.84 0.88 [0.71 - 1.08]
Lung (162) Test for trend : Chi2= 2.54 p=0.111	8 / 8.18 0.98 [0.42 - 1.93]	5 / 6.17 0.81 [0.26 - 1.89]	11 / 6.94 1.59 [0.79 - 2.84]	1 / 9.48 0.11 [0.00 - 0.59]	25 / 30.76 0.81 [0.53 - 1.20]
Prostate (185) Test for trend : Chi2= 0.07 p=0.787	2 / 1.82 1.10 [0.13 - 3.97]	2 / 1.62 1.23 [0.15 - 4.46]	3 / 2.23 1.34 [0.28 - 3.93]	4 / 2.90 1.38 [0.38 - 3.53]	11 / 8.58 1.28 [0.64 - 2.29]
Other male genital organs (187)	0 / 0.04 0.00 [0.00 - 0104]	0 / 0.02 0.00 [0.00 - 0162]	0 / 0.03 0.00 [0.00 - 0135]	0 / 0.04 0.00 [0.00 - 91.2]	0 / 0.13 0.00 [0.00 - 29.3]
Ischaemic heart disease (410-414) Test for trend : Chi2= 0.21 p=0.648	38 / 38.19 1.00 [0.70 - 1.37]	19 / 26.57 0.71 [0.43 - 1.12]	34 / 31.43 1.08 [0.75 - 1.51]	45 / 44.62 1.01 [0.74 - 1.35]	136 / 140.81 0.97 [0.81 - 1.14]
Bronchitis,emphysema & asthma (490-493) Test for trend : Chi2= 0.46 p=0.498	2 / 2.86 0.70 [0.08 - 2.53]	5 / 2.44 2.05 [0.67 - 4.78]	4 / 2.67 1.50 [0.41 - 3.83]	1 / 3.22 0.31 [0.01 - 1.73]	12 / 11.19 1.07 [0.55 - 1.87]

Table 2.13.14
Mortality from selected causes by duration of exposure to LTX (latexes)

TOTAL COHORT

Duration of exposure (years)	0 - 2	3 - 8	9 - 17	18+	Total
ALL CAUSES	822 / 979.23 0.84 [0.78 - 0.90]	980 / 981.62 1.00 [0.94 - 1.06]	852 / 925.16 0.92 [0.86 - 0.98]	856 / 1219.66 0.70 [0.66 - 0.75]	3510 / 4105.68 0.85 [0.83 - 0.88]
Test for trend : Chi2= 19.14 p=0.000					
ALL MALIGNANT NEOPLASMS (140-208)	189 / 211.65 0.89 [0.77 - 1.03]	236 / 227.26 1.04 [0.91 - 1.18]	247 / 230.81 1.07 [0.94 - 1.21]	238 / 316.68 0.75 [0.66 - 0.85]	910 / 986.41 0.92 [0.86 - 0.98]
Test for trend : Chi2= 3.92 p=0.048					
Lung (162)	47 / 50.27 0.93 [0.69 - 1.24]	63 / 50.67 1.24 [0.96 - 1.59]	64 / 53.93 1.19 [0.91 - 1.52]	69 / 77.64 0.89 [0.69 - 1.12]	243 / 232.51 1.05 [0.92 - 1.19]
Test for trend : Chi2= 0.39 p=0.534					
Pleura (163)	1 / 0.91 1.10 [0.03 - 6.11]	2 / 1.03 1.94 [0.23 - 7.00]	4 / 1.04 3.85 [1.05 - 9.85]	1 / 1.66 0.60 [0.02 - 3.35]	8 / 4.65 1.72 [0.74 - 3.39]
Test for trend : Chi2= 0.09 p=0.769					
Ovary (183)	4 / 2.53 1.58 [0.43 - 4.04]	4 / 2.77 1.45 [0.39 - 3.70]	4 / 2.53 1.58 [0.43 - 4.04]	0 / 1.60 0.00 [0.00 - 2.31]	12 / 9.43 1.27 [0.66 - 2.22]
Test for trend : Chi2= 1.25 p=0.263					
Testis (186)	2 / 1.76 1.14 [0.14 - 4.12]	2 / 0.99 2.02 [0.24 - 7.31]	1 / 0.77 1.30 [0.03 - 7.26]	1 / 1.27 0.79 [0.02 - 4.40]	6 / 4.78 1.26 [0.46 - 2.73]
Test for trend : Chi2= 0.10 p=0.752					
Other male genital organs (187)	1 / 0.23 4.33 [0.11 - 24.1]	0 / 0.25 0.00 [0.00 - 14.9]	0 / 0.23 0.00 [0.00 - 15.9]	0 / 0.33 0.00 [0.00 - 11.3]	1 / 1.04 0.96 [0.02 - 5.38]
Test for trend : Chi2= 2.03 p=0.154					
Ischaemic heart disease (410-414)	207 / 243.44 0.85 [0.74 - 0.97]	239 / 266.20 0.90 [0.79 - 1.02]	240 / 250.40 0.96 [0.84 - 1.09]	229 / 287.46 0.80 [0.70 - 0.91]	915 / 1047.50 0.87 [0.82 - 0.93]
Test for trend : Chi2= 0.26 p=0.611					
Bronchitis,emphysema & asthma (490-493)	15 / 19.54 0.77 [0.43 - 1.27]	21 / 21.21 0.99 [0.61 - 1.51]	12 / 19.88 0.60 [0.31 - 1.05]	14 / 22.61 0.62 [0.34 - 1.04]	62 / 83.24 0.74 [0.57 - 0.95]
Test for trend : Chi2= 1.02 p=0.313					

TOTAL COHORT

Men

Duration of exposure (years)	0 - 2	3 - 8	9 - 17	18+	Total
ALL CAUSES	717 / 861.28 0.83 [0.77 - 0.90]	847 / 829.86 1.02 [0.95 - 1.09]	749 / 800.45 0.94 [0.87 - 1.01]	805 / 1151.00 0.70 [0.65 - 0.75]	3118 / 3642.59 0.86 [0.83 - 0.89]
Test for trend : Chi2= 18.27 p=0.000					
ALL MALIGNANT NEOPLASMS (140-208)	154 / 179.26 0.86 [0.73 - 1.01]	198 / 189.76 1.04 [0.90 - 1.20]	218 / 197.61 1.10 [0.96 - 1.26]	217 / 296.61 0.73 [0.64 - 0.84]	787 / 863.24 0.91 [0.85 - 0.98]
Test for trend : Chi2= 3.44 p=0.064					
Lung (162)	45 / 48.11 0.94 [0.68 - 1.25]	58 / 48.17 1.20 [0.91 - 1.56]	62 / 51.57 1.20 [0.92 - 1.54]	68 / 76.35 0.89 [0.69 - 1.13]	233 / 224.20 1.04 [0.91 - 1.18]
Test for trend : Chi2= 0.28 p=0.596					
Pleura (163)	1 / 0.84 1.18 [0.03 - 6.60]	0 / 0.95 0.00 [0.00 - 3.86]	4 / 0.97 4.13 [1.13 - 10.6]	1 / 1.61 0.62 [0.02 - 3.47]	6 / 4.37 1.37 [0.50 - 2.99]
Test for trend : Chi2= 0.02 p=0.880					
Ovary (183)	0 / 0.00 [. - .]	0 / 0.00 [. - .]	0 / 0.00 [. - .]	0 / 0.00 [. - .]	0 / 0.00 [. - .]
Testis (186)	2 / 1.76 1.14 [0.14 - 4.12]	2 / 0.99 2.02 [0.24 - 7.31]	1 / 0.77 1.30 [0.03 - 7.26]	1 / 1.27 0.79 [0.02 - 4.40]	6 / 4.78 1.26 [0.46 - 2.73]
Test for trend : Chi2= 0.10 p=0.752					
Other male genital organs (187)	1 / 0.23 4.33 [0.11 - 24.1]	0 / 0.25 0.00 [0.00 - 14.9]	0 / 0.23 0.00 [0.00 - 15.9]	0 / 0.33 0.00 [0.00 - 11.3]	1 / 1.04 0.96 [0.02 - 5.38]
Test for trend : Chi2= 2.03 p=0.154					
Ischaemic heart disease (410-414)	190 / 221.10 0.86 [0.74 - 0.99]	213 / 232.51 0.92 [0.80 - 1.05]	213 / 222.79 0.96 [0.83 - 1.09]	220 / 274.67 0.80 [0.70 - 0.91]	836 / 951.06 0.88 [0.82 - 0.94]
Test for trend : Chi2= 0.42 p=0.515					
Bronchitis,emphysema & asthma (490-493)	14 / 18.21 0.77 [0.42 - 1.29]	20 / 19.52 1.02 [0.63 - 1.58]	12 / 18.36 0.65 [0.34 - 1.14]	13 / 21.85 0.59 [0.32 - 1.02]	59 / 77.95 0.76 [0.58 - 0.98]
Test for trend : Chi2= 1.12 p=0.289					

Table 2.13.15

Mortality from selected causes by duration of exposure to OILD (oils and synthetic fluids, dermal)

TOTAL COHORT

Duration of exposure (years)	0 - 3	4 - 12	13 - 25	26+	Total
ALL CAUSES	2551 / 2581.60 0.99 [0.95 - 1.03]	2986 / 2918.36 1.02 [0.99 - 1.06]	2794 / 3181.09 0.88 [0.85 - 0.91]	2657 / 3379.42 0.79 [0.76 - 0.82]	10988 / 12060.5 0.91 [0.89 - 0.93]
Test for trend : Chi2= 97.63 p=0.000					
ALL MALIGNANT NEOPLASMS (140-208)	616 / 589.05 1.05 [0.96 - 1.13]	725 / 698.22 1.04 [0.96 - 1.12]	689 / 763.67 0.90 [0.84 - 0.97]	672 / 821.00 0.82 [0.76 - 0.88]	2702 / 2871.94 0.94 [0.91 - 0.98]
Test for trend : Chi2= 26.01 p=0.000					
Lung (162)	169 / 143.72 1.18 [1.01 - 1.37]	186 / 162.13 1.15 [0.99 - 1.32]	196 / 178.75 1.10 [0.95 - 1.26]	150 / 196.25 0.76 [0.65 - 0.90]	701 / 680.85 1.03 [0.95 - 1.11]
Test for trend : Chi2= 14.83 p=0.000					
Pleura (163)	4 / 2.55 1.57 [0.43 - 4.01]	4 / 2.89 1.38 [0.38 - 3.54]	7 / 3.04 2.30 [0.92 - 4.74]	8 / 3.28 2.44 [1.05 - 4.81]	23 / 11.77 1.95 [1.24 - 2.93]
Test for trend : Chi2= 0.97 p=0.325					
Other male genital organs (187)	3 / 0.64 4.67 [0.96 - 13.7]	5 / 0.74 6.72 [2.18 - 15.7]	0 / 0.89 0.00 [0.00 - 4.16]	1 / 0.99 1.01 [0.03 - 5.63]	9 / 3.26 2.76 [1.26 - 5.24]
Test for trend : Chi2= 4.65 p=0.031					
Bladder (188)	17 / 16.95 1.00 [0.58 - 1.61]	15 / 22.22 0.68 [0.38 - 1.11]	26 / 25.42 1.02 [0.67 - 1.50]	37 / 28.75 1.29 [0.91 - 1.77]	95 / 93.34 1.02 [0.82 - 1.24]
Test for trend : Chi2= 2.23 p=0.135					
Ischaemic heart disease (410-414)	668 / 675.25 0.99 [0.92 - 1.07]	858 / 801.42 1.07 [1.00 - 1.14]	891 / 904.71 0.98 [0.92 - 1.05]	865 / 989.98 0.87 [0.82 - 0.93]	3282 / 3371.36 0.97 [0.94 - 1.01]
Test for trend : Chi2= 9.83 p=0.002					
Bronchitis,emphysema & asthma (490-493)	60 / 58.29 1.03 [0.79 - 1.32]	71 / 68.31 1.04 [0.81 - 1.31]	77 / 73.13 1.05 [0.83 - 1.32]	47 / 75.67 0.62 [0.46 - 0.83]	255 / 275.40 0.93 [0.82 - 1.05]
Test for trend : Chi2= 5.94 p=0.015					

TOTAL COHORT

Men

Duration of exposure (years)	0 - 3	4 - 12	13 - 25	26+	Total
ALL CAUSES	2245 / 2267.29 0.99 [0.95 - 1.03]	2606 / 2498.17 1.04 [1.00 - 1.08]	2517 / 2866.75 0.88 [0.84 - 0.91]	2536 / 3238.08 0.78 [0.75 - 0.81]	9904 / 10870.3 0.91 [0.89 - 0.93]
Test for trend : Chi2= 98.99 p=0.000					
ALL MALIGNANT NEOPLASMS (140-208)	518 / 493.78 1.05 [0.96 - 1.14]	609 / 578.67 1.05 [0.97 - 1.14]	606 / 677.86 0.89 [0.82 - 0.97]	638 / 782.70 0.82 [0.75 - 0.88]	2371 / 2533.00 0.94 [0.90 - 0.97]
Test for trend : Chi2= 25.84 p=0.000					
Lung (162)	154 / 134.40 1.15 [0.97 - 1.34]	172 / 150.85 1.14 [0.98 - 1.32]	185 / 171.41 1.08 [0.93 - 1.25]	149 / 193.16 0.77 [0.65 - 0.91]	660 / 649.82 1.02 [0.94 - 1.10]
Test for trend : Chi2= 12.50 p=0.000					
Pleura (163)	3 / 2.40 1.25 [0.26 - 3.65]	4 / 2.70 1.48 [0.40 - 3.79]	6 / 2.89 2.08 [0.76 - 4.52]	7 / 3.21 2.18 [0.88 - 4.50]	20 / 11.20 1.79 [1.09 - 2.76]
Test for trend : Chi2= 0.89 p=0.346					
Other male genital organs (187)	3 / 0.64 4.67 [0.96 - 13.7]	5 / 0.74 6.72 [2.18 - 15.7]	0 / 0.89 0.00 [0.00 - 4.16]	1 / 0.99 1.01 [0.03 - 5.63]	9 / 3.26 2.76 [1.26 - 5.24]
Test for trend : Chi2= 4.65 p=0.031					
Bladder (188)	14 / 15.74 0.89 [0.49 - 1.49]	13 / 20.47 0.64 [0.34 - 1.09]	26 / 24.13 1.08 [0.70 - 1.58]	37 / 28.15 1.31 [0.93 - 1.81]	90 / 88.50 1.02 [0.82 - 1.25]
Test for trend : Chi2= 3.82 p=0.051					
Ischaemic heart disease (410-414)	599 / 615.59 0.97 [0.90 - 1.05]	766 / 718.57 1.07 [0.99 - 1.14]	832 / 840.40 0.99 [0.92 - 1.06]	838 / 960.79 0.87 [0.81 - 0.93]	3035 / 3135.36 0.97 [0.93 - 1.00]
Test for trend : Chi2= 7.68 p=0.006					
Bronchitis,emphysema & asthma (490-493)	56 / 53.10 1.05 [0.80 - 1.37]	67 / 61.30 1.09 [0.85 - 1.39]	72 / 67.86 1.06 [0.83 - 1.34]	43 / 73.60 0.58 [0.42 - 0.79]	238 / 255.86 0.93 [0.82 - 1.06]
Test for trend : Chi2= 8.13 p=0.004					

Table 2.13.16

Mortality from selected causes by duration of exposure to OILI (oils and synthetic fluids, inhalatory)

TOTAL COHORT

Duration of exposure (years)	0 - 3	4 - 12	13 - 23	24+	Total
ALL CAUSES	425 / 506.43 0.84 [0.76 - 0.92]	446 / 453.60 0.98 [0.89 - 1.08]	404 / 427.00 0.95 [0.86 - 1.04]	428 / 560.04 0.76 [0.69 - 0.84]	1703 / 1947.08 0.87 [0.83 - 0.92]
Test for trend : Chi2= 2.47 p=0.116					
ALL MALIGNANT NEOPLASMS (140-208)	85 / 104.68 0.81 [0.65 - 1.00]	106 / 103.90 1.02 [0.84 - 1.23]	103 / 104.87 0.98 [0.80 - 1.19]	118 / 137.52 0.86 [0.71 - 1.03]	412 / 450.97 0.91 [0.83 - 1.01]
Test for trend : Chi2= 0.01 p=0.913					
Lung (162)	24 / 28.42 0.84 [0.54 - 1.26]	36 / 27.79 1.30 [0.91 - 1.79]	38 / 29.68 1.28 [0.91 - 1.76]	28 / 36.93 0.76 [0.50 - 1.10]	126 / 122.83 1.03 [0.85 - 1.22]
Test for trend : Chi2= 0.30 p=0.581					
Pleura (163)	2 / 0.44 4.50 [0.54 - 16.3]	0 / 0.45 0.00 [0.00 - 8.28]	1 / 0.42 2.36 [0.06 - 13.2]	3 / 0.53 5.63 [1.16 - 16.5]	6 / 1.85 3.25 [1.19 - 7.07]
Test for trend : Chi2= 0.33 p=0.566					
Other male genital organs (187)	1 / 0.11 9.39 [0.23 - 52.3]	0 / 0.11 0.00 [0.00 - 32.9]	0 / 0.10 0.00 [0.00 - 36.4]	0 / 0.14 0.00 [0.00 - 26.1]	1 / 0.46 2.17 [0.05 - 12.1]
Test for trend : Chi2= 1.95 p=0.162					
Bladder (188)	4 / 2.59 1.55 [0.42 - 3.96]	8 / 2.90 2.76 [1.19 - 5.43]	4 / 2.81 1.42 [0.39 - 3.64]	3 / 3.98 0.75 [0.16 - 2.20]	19 / 12.28 1.55 [0.93 - 2.42]
Test for trend : Chi2= 1.81 p=0.178					
Ischaemic heart disease (410-414)	117 / 142.81 0.82 [0.68 - 0.98]	127 / 130.23 0.98 [0.81 - 1.16]	123 / 126.80 0.97 [0.81 - 1.16]	133 / 160.55 0.83 [0.69 - 0.98]	500 / 560.40 0.89 [0.82 - 0.97]
Test for trend : Chi2= 0.00 p=0.993					
Bronchitis, emphysema & asthma (490-493)	7 / 10.41 0.67 [0.27 - 1.39]	12 / 10.10 1.19 [0.61 - 2.08]	10 / 9.75 1.03 [0.49 - 1.89]	7 / 11.79 0.59 [0.24 - 1.22]	36 / 42.05 0.86 [0.60 - 1.19]
Test for trend : Chi2= 0.15 p=0.702					

TOTAL COHORT

Men

Duration of exposure (years)	0 - 3	4 - 12	13 - 23	24+	Total
ALL CAUSES	383 / 457.71 0.84 [0.76 - 0.92]	423 / 428.81 0.99 [0.89 - 1.09]	392 / 414.43 0.95 [0.85 - 1.04]	427 / 557.51 0.77 [0.69 - 0.84]	1625 / 1858.47 0.87 [0.83 - 0.92]
Test for trend : Chi2= 2.53 p=0.112					
ALL MALIGNANT NEOPLASMS (140-208)	75 / 93.82 0.80 [0.63 - 1.00]	99 / 97.56 1.01 [0.82 - 1.24]	98 / 101.20 0.97 [0.79 - 1.18]	118 / 136.81 0.86 [0.71 - 1.03]	390 / 429.39 0.91 [0.82 - 1.00]
Test for trend : Chi2= 0.03 p=0.866					
Lung (162)	23 / 27.77 0.83 [0.53 - 1.24]	35 / 27.29 1.28 [0.89 - 1.78]	37 / 29.38 1.26 [0.89 - 1.74]	28 / 36.88 0.76 [0.50 - 1.10]	123 / 121.31 1.01 [0.84 - 1.21]
Test for trend : Chi2= 0.26 p=0.612					
Pleura (163)	1 / 0.42 2.39 [0.06 - 13.3]	0 / 0.43 0.00 [0.00 - 8.55]	1 / 0.42 2.39 [0.06 - 13.3]	3 / 0.53 5.64 [1.16 - 16.5]	5 / 1.80 2.78 [0.90 - 6.49]
Test for trend : Chi2= 1.43 p=0.232					
Other male genital organs (187)	1 / 0.11 9.39 [0.23 - 52.3]	0 / 0.11 0.00 [0.00 - 32.9]	0 / 0.10 0.00 [0.00 - 36.4]	0 / 0.14 0.00 [0.00 - 26.1]	1 / 0.46 2.17 [0.05 - 12.1]
Test for trend : Chi2= 1.95 p=0.162					
Bladder (188)	4 / 2.46 1.63 [0.44 - 4.17]	8 / 2.83 2.83 [1.22 - 5.58]	4 / 2.77 1.45 [0.39 - 3.70]	3 / 3.97 0.76 [0.16 - 2.21]	19 / 12.02 1.58 [0.95 - 2.47]
Test for trend : Chi2= 2.03 p=0.154					
Ischaemic heart disease (410-414)	106 / 131.09 0.81 [0.66 - 0.98]	124 / 124.23 1.00 [0.83 - 1.19]	121 / 123.91 0.98 [0.81 - 1.17]	132 / 160.04 0.82 [0.69 - 0.98]	483 / 539.27 0.90 [0.82 - 0.98]
Test for trend : Chi2= 0.00 p=0.960					
Bronchitis, emphysema & asthma (490-493)	7 / 9.91 0.71 [0.28 - 1.46]	12 / 9.77 1.23 [0.63 - 2.15]	10 / 9.57 1.05 [0.50 - 1.92]	7 / 11.75 0.60 [0.24 - 1.23]	36 / 41.00 0.88 [0.62 - 1.22]
Test for trend : Chi2= 0.24 p=0.626					

Table 2.13.17
Mortality from selected causes by duration of exposure to PUPA (pulp or paper dust)

TOTAL COHORT

Duration of exposure (years)	0 - 3	4 - 12	13 - 24	25+	Total
ALL CAUSES Test for trend : Chi2= 96.02 p=0.000	2594 / 2603.83 1.00 [0.96 - 1.04]	3099 / 3017.52 1.03 [0.99 - 1.06]	2649 / 2939.09 0.90 [0.87 - 0.94]	2690 / 3401.47 0.79 [0.76 - 0.82]	11032 / 11961.9 0.92 [0.91 - 0.94]
ALL MALIGNANT NEOPLASMS (140-208) Test for trend : Chi2= 35.99 p=0.000	629 / 605.07 1.04 [0.96 - 1.12]	781 / 730.36 1.07 [1.00 - 1.15]	654 / 715.43 0.91 [0.85 - 0.99]	656 / 840.18 0.78 [0.72 - 0.84]	2720 / 2891.04 0.94 [0.91 - 0.98]
Oral cavity & pharynx (140-149) Test for trend : Chi2= 2.35 p=0.125	10 / 12.62 0.79 [0.38 - 1.46]	16 / 15.26 1.05 [0.60 - 1.70]	9 / 17.14 0.53 [0.24 - 1.00]	12 / 22.76 0.53 [0.27 - 0.92]	47 / 67.77 0.69 [0.51 - 0.92]
Larynx (161) Test for trend : Chi2= 3.91 p=0.048	9 / 6.44 1.40 [0.64 - 2.65]	12 / 7.99 1.50 [0.78 - 2.62]	9 / 9.33 0.96 [0.44 - 1.83]	8 / 12.71 0.63 [0.27 - 1.24]	38 / 36.47 1.04 [0.74 - 1.43]
Lung (162) Test for trend : Chi2= 20.28 p=0.000	170 / 143.38 1.19 [1.01 - 1.38]	201 / 168.21 1.19 [1.04 - 1.37]	181 / 168.05 1.08 [0.93 - 1.25]	150 / 204.01 0.74 [0.62 - 0.86]	702 / 683.65 1.03 [0.95 - 1.11]
Pleura (163) Test for trend : Chi2= 3.68 p=0.055	2 / 2.58 0.78 [0.09 - 2.80]	3 / 2.97 1.01 [0.21 - 2.95]	4 / 2.80 1.43 [0.39 - 3.65]	9 / 3.45 2.61 [1.19 - 4.96]	18 / 11.80 1.53 [0.90 - 2.41]
Other male genital organs (187) Test for trend : Chi2= 1.20 p=0.272	2 / 0.64 3.14 [0.38 - 11.4]	4 / 0.78 5.13 [1.40 - 13.1]	0 / 0.84 0.00 [0.00 - 4.40]	2 / 1.01 1.99 [0.24 - 7.18]	8 / 3.26 2.45 [1.06 - 4.84]
Ischaemic heart disease (410-414) Test for trend : Chi2= 4.78 p=0.029	664 / 658.77 1.01 [0.93 - 1.09]	887 / 831.38 1.07 [1.00 - 1.14]	826 / 845.60 0.98 [0.91 - 1.05]	929 / 993.61 0.93 [0.88 - 1.00]	3306 / 3329.36 0.99 [0.96 - 1.03]
Bronchitis, emphysema & asthma (490-493) Test for trend : Chi2= 4.87 p=0.027	63 / 56.62 1.11 [0.85 - 1.42]	69 / 71.26 0.97 [0.75 - 1.23]	81 / 70.66 1.15 [0.91 - 1.42]	54 / 79.18 0.68 [0.51 - 0.89]	267 / 277.71 0.96 [0.85 - 1.08]

TOTAL COHORT

Men

Duration of exposure (years)	0 - 3	4 - 12	13 - 24	25+	Total
ALL CAUSES Test for trend : Chi2= 98.08 p=0.000	2235 / 2229.58 1.00 [0.96 - 1.04]	2646 / 2540.28 1.04 [1.00 - 1.08]	2368 / 2621.81 0.90 [0.87 - 0.94]	2531 / 3216.75 0.79 [0.76 - 0.82]	9780 / 10608.4 0.92 [0.90 - 0.94]
ALL MALIGNANT NEOPLASMS (140-208) Test for trend : Chi2= 36.30 p=0.000	514 / 486.74 1.06 [0.97 - 1.15]	636 / 591.86 1.07 [0.99 - 1.16]	570 / 624.72 0.91 [0.84 - 0.99]	615 / 790.92 0.78 [0.72 - 0.84]	2335 / 2494.25 0.94 [0.90 - 0.97]
Oral cavity & pharynx (140-149) Test for trend : Chi2= 2.90 p=0.088	10 / 11.49 0.87 [0.42 - 1.60]	15 / 13.91 1.08 [0.60 - 1.78]	8 / 16.24 0.49 [0.21 - 0.97]	12 / 22.25 0.54 [0.28 - 0.94]	45 / 63.89 0.70 [0.51 - 0.94]
Larynx (161) Test for trend : Chi2= 3.86 p=0.049	9 / 6.21 1.45 [0.66 - 2.75]	11 / 7.73 1.42 [0.71 - 2.54]	9 / 9.16 0.98 [0.45 - 1.86]	8 / 12.62 0.63 [0.27 - 1.25]	37 / 35.72 1.04 [0.73 - 1.43]
Lung (162) Test for trend : Chi2= 15.20 p=0.000	148 / 131.09 1.13 [0.95 - 1.33]	181 / 154.65 1.17 [1.01 - 1.35]	169 / 159.96 1.06 [0.90 - 1.23]	149 / 200.07 0.74 [0.63 - 0.87]	647 / 645.78 1.00 [0.93 - 1.08]
Pleura (163) Test for trend : Chi2= 4.00 p=0.045	1 / 2.40 0.42 [0.01 - 2.33]	3 / 2.77 1.08 [0.22 - 3.17]	4 / 2.66 1.50 [0.41 - 3.85]	8 / 3.36 2.38 [1.03 - 4.68]	16 / 11.19 1.43 [0.82 - 2.32]
Other male genital organs (187) Test for trend : Chi2= 1.20 p=0.272	2 / 0.64 3.14 [0.38 - 11.4]	4 / 0.78 5.13 [1.40 - 13.1]	0 / 0.84 0.00 [0.00 - 4.40]	2 / 1.01 1.99 [0.24 - 7.18]	8 / 3.26 2.45 [1.06 - 4.84]
Ischaemic heart disease (410-414) Test for trend : Chi2= 3.45 p=0.063	589 / 591.58 1.00 [0.92 - 1.08]	777 / 733.35 1.06 [0.99 - 1.14]	764 / 777.51 0.98 [0.91 - 1.05]	890 / 953.36 0.93 [0.87 - 1.00]	3020 / 3055.80 0.99 [0.95 - 1.02]
Bronchitis, emphysema & asthma (490-493) Test for trend : Chi2= 7.28 p=0.007	58 / 49.58 1.17 [0.89 - 1.51]	65 / 63.18 1.03 [0.79 - 1.31]	76 / 65.35 1.16 [0.92 - 1.46]	50 / 76.40 0.65 [0.49 - 0.86]	249 / 254.50 0.98 [0.86 - 1.11]

Table 2.13.18
Mortality from selected causes by duration of exposure to SLIM (slimicides)

TOTAL COHORT

Duration of exposure (years)	0 - 2	3 - 8	9 - 17	18+	Total
ALL CAUSES Test for trend : Chi2= 23.65 p=0.000	954 / 1012.53 0.94 [0.88 - 1.00]	1059 / 1011.54 1.05 [0.98 - 1.11]	932 / 1055.69 1.05 [0.83 - 0.94]	924 / 1168.22 0.79 [0.74 - 0.84]	3869 / 4247.99 0.91 [0.88 - 0.94]
ALL MALIGNANT NEOPLASMS (140-208) Test for trend : Chi2= 3.43 p=0.064	218 / 238.04 0.92 [0.80 - 1.05]	248 / 245.71 1.01 [0.89 - 1.14]	240 / 261.52 0.92 [0.81 - 1.04]	234 / 294.68 0.79 [0.70 - 0.90]	940 / 1039.95 0.90 [0.85 - 0.96]
Pancreas (157) Test for trend : Chi2= 1.69 p=0.193	21 / 11.47 1.83 [1.13 - 2.80]	10 / 12.58 0.80 [0.38 - 1.46]	14 / 13.28 1.05 [0.58 - 1.77]	17 / 15.48 1.10 [0.64 - 1.76]	62 / 52.81 1.17 [0.90 - 1.50]
Lung (162) Test for trend : Chi2= 0.46 p=0.499	56 / 58.28 0.96 [0.73 - 1.25]	69 / 59.67 1.16 [0.90 - 1.46]	67 / 68.92 0.97 [0.75 - 1.23]	61 / 67.56 0.90 [0.69 - 1.16]	253 / 254.43 0.99 [0.88 - 1.12]
Soft tissue (171) Test for trend : Chi2= 0.34 p=0.561	2 / 1.21 1.66 [0.20 - 5.99]	1 / 1.03 0.97 [0.02 - 5.40]	1 / 1.01 0.99 [0.02 - 5.49]	1 / 1.21 0.82 [0.02 - 4.60]	5 / 4.47 1.12 [0.36 - 2.61]
Other male genital organs (187) Test for trend : Chi2= 0.33 p=0.566	0 / 0.26 0.00 [0.00 - 14.0]	1 / 0.26 3.92 [0.10 - 21.8]	0 / 0.29 0.00 [0.00 - 12.5]	0 / 0.37 0.00 [0.00 - 9.92]	1 / 1.18 0.84 [0.02 - 4.70]
Non-Hodgkins lymphoma (200,202) Test for trend : Chi2= 2.05 p=0.152	6 / 6.29 0.95 [0.35 - 2.08]	7 / 5.97 1.17 [0.47 - 2.42]	1 / 6.04 0.17 [0.00 - 0.92]	4 / 7.15 0.56 [0.15 - 1.43]	18 / 25.44 0.71 [0.42 - 1.12]
Ischaemic heart disease (410-414) Test for trend : Chi2= 2.36 p=0.125	258 / 252.29 1.02 [0.90 - 1.16]	308 / 280.09 1.10 [0.98 - 1.23]	315 / 310.95 1.01 [0.90 - 1.13]	304 / 328.41 0.93 [0.82 - 1.04]	1185 / 1171.75 1.01 [0.95 - 1.07]
Bronchitis,emphysema & asthma (490-493) Test for trend : Chi2= 1.40 p=0.238	25 / 20.53 1.22 [0.79 - 1.80]	24 / 24.68 0.97 [0.62 - 1.45]	25 / 28.04 0.89 [0.58 - 1.32]	22 / 25.25 0.87 [0.55 - 1.32]	96 / 98.49 0.97 [0.79 - 1.19]

TOTAL COHORT

Men

Duration of exposure (years)	0 - 2	3 - 8	9 - 17	18+	Total
ALL CAUSES Test for trend : Chi2= 28.58 p=0.000	836 / 863.23 0.97 [0.90 - 1.04]	885 / 813.88 1.09 [1.02 - 1.16]	825 / 934.70 0.88 [0.82 - 0.94]	875 / 1101.11 0.79 [0.74 - 0.85]	3421 / 3712.92 0.92 [0.89 - 0.95]
ALL MALIGNANT NEOPLASMS (140-208) Test for trend : Chi2= 4.78 p=0.029	177 / 194.37 0.91 [0.78 - 1.06]	207 / 196.24 1.05 [0.92 - 1.21]	197 / 226.15 0.87 [0.75 - 1.00]	213 / 273.05 0.78 [0.68 - 0.89]	794 / 889.81 0.89 [0.83 - 0.96]
Pancreas (157) Test for trend : Chi2= 1.23 p=0.267	17 / 9.43 1.80 [1.05 - 2.89]	8 / 9.87 0.81 [0.35 - 1.60]	12 / 11.39 1.05 [0.54 - 1.84]	16 / 14.37 1.11 [0.64 - 1.81]	53 / 45.06 1.18 [0.88 - 1.54]
Lung (162) Test for trend : Chi2= 0.47 p=0.494	51 / 54.00 0.94 [0.70 - 1.24]	60 / 54.89 1.09 [0.83 - 1.41]	62 / 65.31 0.95 [0.73 - 1.22]	57 / 65.49 0.87 [0.66 - 1.13]	230 / 239.69 0.96 [0.84 - 1.09]
Soft tissue (171) Test for trend : Chi2= 1.90 p=0.168	2 / 0.99 2.02 [0.24 - 7.29]	1 / 0.82 1.22 [0.03 - 6.78]	1 / 0.86 1.16 [0.03 - 6.46]	0 / 1.11 0.00 [0.00 - 3.32]	4 / 3.78 1.06 [0.29 - 2.71]
Other male genital organs (187) Test for trend : Chi2= 0.33 p=0.566	0 / 0.26 0.00 [0.00 - 14.0]	1 / 0.26 3.92 [0.10 - 21.8]	0 / 0.29 0.00 [0.00 - 12.5]	0 / 0.37 0.00 [0.00 - 9.92]	1 / 1.18 0.84 [0.02 - 4.70]
Non-Hodgkins lymphoma (200,202) Test for trend : Chi2= 1.29 p=0.257	5 / 5.26 0.95 [0.31 - 2.22]	5 / 4.77 1.05 [0.34 - 2.45]	1 / 5.19 0.19 [0.00 - 1.07]	4 / 6.64 0.60 [0.16 - 1.54]	15 / 21.86 0.69 [0.38 - 1.13]
Ischaemic heart disease (410-414) Test for trend : Chi2= 1.80 p=0.180	223 / 223.68 1.00 [0.87 - 1.14]	267 / 234.25 1.14 [1.01 - 1.29]	285 / 283.60 1.00 [0.89 - 1.13]	294 / 315.63 0.93 [0.83 - 1.04]	1069 / 1057.15 1.01 [0.95 - 1.07]
Bronchitis,emphysema & asthma (490-493) Test for trend : Chi2= 2.27 p=0.132	24 / 18.32 1.31 [0.84 - 1.95]	22 / 21.82 1.01 [0.63 - 1.53]	24 / 26.01 0.92 [0.59 - 1.37]	20 / 23.92 0.84 [0.51 - 1.29]	90 / 90.08 1.00 [0.80 - 1.23]

Table 2.13.19
Mortality from selected causes by duration of exposure to SO₂ (sulfure dioxide)

TOTAL COHORT

Duration of exposure (years)	0 - 3	4 - 12	13 - 24	25+	Total
ALL CAUSES	1806 / 1957.99 0.92 [0.88 - 0.97]	2019 / 2038.70 0.99 [0.95 - 1.03]	1904 / 2249.44 0.85 [0.81 - 0.89]	1884 / 2367.41 0.80 [0.76 - 0.83]	7613 / 8613.54 0.88 [0.86 - 0.90]
Test for trend : Chi2= 34.99 p=0.000					
ALL MALIGNANT NEOPLASMS (140-208)	403 / 410.95 0.98 [0.89 - 1.08]	476 / 457.88 1.04 [0.95 - 1.14]	432 / 514.65 0.84 [0.76 - 0.92]	459 / 556.59 0.82 [0.75 - 0.90]	1770 / 1940.07 0.91 [0.87 - 0.96]
Test for trend : Chi2= 12.22 p=0.000					
Larynx (161)	10 / 5.04 1.99 [0.95 - 3.65]	3 / 6.22 0.48 [0.10 - 1.41]	9 / 7.37 1.22 [0.56 - 2.32]	3 / 7.16 0.42 [0.09 - 1.22]	25 / 25.79 0.97 [0.63 - 1.43]
Test for trend : Chi2= 4.23 p=0.040					
Lung (162)	109 / 96.32 1.13 [0.93 - 1.37]	145 / 107.02 1.35 [1.14 - 1.59]	122 / 122.48 1.00 [0.83 - 1.19]	112 / 124.55 0.90 [0.74 - 1.08]	488 / 450.36 1.08 [0.99 - 1.18]
Test for trend : Chi2= 6.31 p=0.012					
Pleura (163)	4 / 1.67 2.39 [0.65 - 6.12]	4 / 1.79 2.23 [0.61 - 5.71]	3 / 1.90 1.58 [0.33 - 4.62]	7 / 2.25 3.11 [1.25 - 6.40]	18 / 7.62 2.36 [1.40 - 3.74]
Test for trend : Chi2= 0.14 p=0.704					
Other male genital organs (187)	2 / 0.41 4.85 [0.59 - 17.5]	0 / 0.47 0.00 [0.00 - 7.92]	2 / 0.57 3.50 [0.42 - 12.6]	1 / 0.68 1.47 [0.04 - 8.20]	5 / 2.13 2.35 [0.76 - 5.48]
Test for trend : Chi2= 0.40 p=0.528					
Ischaemic heart disease (410-414)	461 / 513.93 0.90 [0.82 - 0.98]	571 / 567.16 1.01 [0.93 - 1.09]	623 / 657.50 0.95 [0.87 - 1.02]	650 / 718.43 0.90 [0.84 - 0.98]	2305 / 2457.01 0.94 [0.90 - 0.98]
Test for trend : Chi2= 0.15 p=0.698					
Bronchitis,emphysema & asthma (490-493)	36 / 37.43 0.96 [0.67 - 1.33]	37 / 42.62 0.87 [0.61 - 1.20]	38 / 50.84 0.75 [0.53 - 1.03]	32 / 48.83 0.66 [0.45 - 0.93]	143 / 179.72 0.80 [0.67 - 0.94]
Test for trend : Chi2= 2.93 p=0.087					

TOTAL COHORT

Men

Duration of exposure (years)	0 - 3	4 - 12	13 - 24	25+	Total
ALL CAUSES	1638 / 1734.16 0.94 [0.90 - 0.99]	1855 / 1849.79 1.00 [0.96 - 1.05]	1820 / 2135.56 0.85 [0.81 - 0.89]	1865 / 2341.87 0.80 [0.76 - 0.83]	7178 / 8061.38 0.89 [0.87 - 0.91]
Test for trend : Chi2= 42.48 p=0.000					
ALL MALIGNANT NEOPLASMS (140-208)	360 / 357.04 1.01 [0.91 - 1.12]	430 / 411.07 1.05 [0.95 - 1.15]	403 / 484.11 0.83 [0.75 - 0.92]	453 / 548.54 0.83 [0.75 - 0.91]	1646 / 1800.76 0.91 [0.87 - 0.96]
Test for trend : Chi2= 14.34 p=0.000					
Larynx (161)	10 / 4.96 2.02 [0.97 - 3.71]	3 / 6.16 0.49 [0.10 - 1.42]	9 / 7.33 1.23 [0.56 - 2.33]	3 / 7.15 0.42 [0.09 - 1.23]	25 / 25.60 0.98 [0.63 - 1.44]
Test for trend : Chi2= 4.33 p=0.037					
Lung (162)	105 / 92.87 1.13 [0.92 - 1.37]	139 / 103.82 1.34 [1.13 - 1.58]	120 / 120.38 1.00 [0.83 - 1.19]	112 / 123.99 0.90 [0.74 - 1.09]	476 / 441.07 1.08 [0.98 - 1.18]
Test for trend : Chi2= 5.86 p=0.015					
Pleura (163)	4 / 1.56 2.56 [0.70 - 6.55]	3 / 1.71 1.76 [0.36 - 5.14]	3 / 1.84 1.63 [0.34 - 4.77]	7 / 2.24 3.13 [1.26 - 6.45]	17 / 7.35 2.31 [1.35 - 3.70]
Test for trend : Chi2= 0.19 p=0.664					
Other male genital organs (187)	2 / 0.41 4.85 [0.59 - 17.5]	0 / 0.47 0.00 [0.00 - 7.92]	2 / 0.57 3.50 [0.42 - 12.6]	1 / 0.68 1.47 [0.04 - 8.20]	5 / 2.13 2.35 [0.76 - 5.48]
Test for trend : Chi2= 0.40 p=0.528					
Ischaemic heart disease (410-414)	423 / 463.99 0.91 [0.83 - 1.00]	535 / 524.24 1.02 [0.94 - 1.11]	602 / 632.10 0.95 [0.88 - 1.03]	646 / 713.70 0.91 [0.84 - 0.98]	2206 / 2334.04 0.95 [0.91 - 0.99]
Test for trend : Chi2= 0.51 p=0.477					
Bronchitis,emphysema & asthma (490-493)	35 / 35.06 1.00 [0.70 - 1.39]	36 / 40.35 0.89 [0.62 - 1.24]	37 / 49.43 0.75 [0.53 - 1.03]	32 / 48.47 0.66 [0.45 - 0.93]	140 / 173.31 0.81 [0.68 - 0.95]
Test for trend : Chi2= 3.42 p=0.064					

Table 2.13.20

Mortality from selected causes by duration of exposure to SOLD (nonchlorinated organic solvent, dermal)

TOTAL COHORT

Duration of exposure (years)	0 - 3	4 - 10	11 - 21	22+	Total
ALL CAUSES Test for trend : Chi2= 74.66 p=0.000	2765 / 2859.57 0.97 [0.93 - 1.00]	2466 / 2405.61 1.03 [0.99 - 1.07]	2616 / 2933.46 0.89 [0.86 - 0.93]	2638 / 3344.20 0.79 [0.76 - 0.82]	10485 / 11542.8 0.91 [0.89 - 0.93]
ALL MALIGNANT NEOPLASMS (140-208) Test for trend : Chi2= 12.94 p=0.000	645 / 660.99 0.98 [0.90 - 1.05]	605 / 575.97 1.05 [0.97 - 1.14]	629 / 703.06 0.89 [0.83 - 0.97]	681 / 815.45 0.84 [0.77 - 0.90]	2560 / 2755.48 0.93 [0.89 - 0.97]
Lung (162) Test for trend : Chi2= 8.38 p=0.004	183 / 162.56 1.13 [0.97 - 1.30]	159 / 139.08 1.14 [0.97 - 1.34]	177 / 175.35 1.01 [0.87 - 1.17]	161 / 191.14 0.84 [0.72 - 0.98]	680 / 668.13 1.02 [0.94 - 1.10]
Pleura (163) Test for trend : Chi2= 0.97 p=0.324	5 / 2.84 1.76 [0.57 - 4.11]	4 / 2.34 1.71 [0.47 - 4.39]	4 / 2.60 1.54 [0.42 - 3.93]	10 / 3.39 2.95 [1.41 - 5.42]	23 / 11.17 2.06 [1.31 - 3.09]
Soft tissue (171) Test for trend : Chi2= 0.72 p=0.395	6 / 3.21 1.87 [0.69 - 4.06]	3 / 2.51 1.19 [0.25 - 3.49]	2 / 2.76 0.73 [0.09 - 2.62]	4 / 3.31 1.21 [0.33 - 3.10]	15 / 11.79 1.27 [0.71 - 2.10]
Other male genital organs (187) Test for trend : Chi2= 4.56 p=0.033	4 / 0.71 5.66 [1.54 - 14.5]	1 / 0.62 1.62 [0.04 - 9.01]	0 / 0.81 0.00 [0.00 - 4.54]	1 / 0.98 1.02 [0.03 - 5.68]	6 / 3.12 1.92 [0.71 - 4.19]
Non-Hodgkins lymphoma (200,202) Test for trend : Chi2= 0.09 p=0.761	14 / 17.22 0.81 [0.44 - 1.36]	15 / 14.05 1.07 [0.60 - 1.76]	15 / 16.12 0.93 [0.52 - 1.53]	15 / 19.72 0.76 [0.43 - 1.25]	59 / 67.11 0.88 [0.67 - 1.13]
Ischaemic heart disease (410-414) Test for trend : Chi2= 2.27 p=0.132	707 / 744.56 0.95 [0.88 - 1.02]	685 / 663.48 1.03 [0.96 - 1.11]	856 / 850.54 1.01 [0.94 - 1.08]	887 / 994.71 0.89 [0.83 - 0.95]	3135 / 3253.28 0.96 [0.93 - 1.00]
Bronchitis,emphysema & asthma (490-493) Test for trend : Chi2= 9.43 p=0.002	75 / 64.26 1.17 [0.92 - 1.46]	60 / 58.59 1.02 [0.78 - 1.32]	65 / 73.01 0.89 [0.69 - 1.13]	51 / 74.79 0.68 [0.51 - 0.90]	251 / 270.66 0.93 [0.82 - 1.05]

TOTAL COHORT

Men

Duration of exposure (years)	0 - 3	4 - 10	11 - 21	22+	Total
ALL CAUSES Test for trend : Chi2= 80.06 p=0.000	2406 / 2461.53 0.98 [0.94 - 1.02]	2152 / 2074.26 1.04 [0.99 - 1.08]	2352 / 2660.50 0.88 [0.85 - 0.92]	2510 / 3187.57 0.79 [0.76 - 0.82]	9420 / 10383.9 0.91 [0.89 - 0.93]
ALL MALIGNANT NEOPLASMS (140-208) Test for trend : Chi2= 12.26 p=0.000	531 / 542.94 0.98 [0.90 - 1.06]	505 / 480.69 1.05 [0.96 - 1.15]	550 / 625.46 0.88 [0.81 - 0.96]	646 / 772.48 0.84 [0.77 - 0.90]	2232 / 2421.57 0.92 [0.88 - 0.96]
Lung (162) Test for trend : Chi2= 6.24 p=0.012	165 / 150.66 1.10 [0.93 - 1.28]	145 / 129.73 1.12 [0.94 - 1.32]	169 / 168.31 1.00 [0.86 - 1.17]	159 / 187.62 0.85 [0.72 - 0.99]	638 / 636.32 1.00 [0.93 - 1.08]
Pleura (163) Test for trend : Chi2= 1.81 p=0.179	4 / 2.64 1.51 [0.41 - 3.88]	3 / 2.20 1.37 [0.28 - 3.99]	4 / 2.49 1.61 [0.44 - 4.12]	10 / 3.33 3.00 [1.44 - 5.52]	21 / 10.66 1.97 [1.22 - 3.01]
Soft tissue (171) Test for trend : Chi2= 0.26 p=0.610	5 / 2.64 1.90 [0.62 - 4.43]	1 / 2.08 0.48 [0.01 - 2.68]	2 / 2.44 0.82 [0.10 - 2.96]	4 / 3.12 1.28 [0.35 - 3.28]	12 / 10.28 1.17 [0.60 - 2.04]
Other male genital organs (187) Test for trend : Chi2= 4.56 p=0.033	4 / 0.71 5.66 [1.54 - 14.5]	1 / 0.62 1.62 [0.04 - 9.01]	0 / 0.81 0.00 [0.00 - 4.54]	1 / 0.98 1.02 [0.03 - 5.68]	6 / 3.12 1.92 [0.71 - 4.19]
Non-Hodgkins lymphoma (200,202) Test for trend : Chi2= 0.34 p=0.557	13 / 14.45 0.90 [0.48 - 1.54]	13 / 11.88 1.09 [0.58 - 1.87]	14 / 14.41 0.97 [0.53 - 1.63]	14 / 18.75 0.75 [0.41 - 1.25]	54 / 59.49 0.91 [0.68 - 1.18]
Ischaemic heart disease (410-414) Test for trend : Chi2= 1.68 p=0.195	627 / 667.82 0.94 [0.87 - 1.02]	618 / 597.35 1.03 [0.95 - 1.12]	795 / 792.07 1.00 [0.94 - 1.08]	858 / 959.99 0.89 [0.83 - 0.96]	2898 / 3017.23 0.96 [0.93 - 1.00]
Bronchitis,emphysema & asthma (490-493) Test for trend : Chi2= 11.67 p=0.001	70 / 57.57 1.22 [0.95 - 1.54]	57 / 53.20 1.07 [0.81 - 1.39]	61 / 68.83 0.89 [0.68 - 1.14]	48 / 72.35 0.66 [0.49 - 0.88]	236 / 251.95 0.94 [0.82 - 1.06]

Table 2.13.21

Mortality from selected causes by duration of exposure to SOLI (nonchlorinated organic solvent, inhalatory)

TOTAL COHORT

Duration of exposure (years)	0 - 3	4 - 10	11 - 21	22+	Total
ALL CAUSES	2796 / 2882.08 0.97 [0.93 - 1.01]	2509 / 2434.28 1.03 [0.99 - 1.07]	2672 / 2992.65 0.89 [0.86 - 0.93]	2691 / 3415.96 0.79 [0.76 - 0.82]	10668 / 11725.0 0.91 [0.89 - 0.93]
Test for trend : Chi2= 79.84 p=0.000					
ALL MALIGNANT NEOPLASMS (140-208)	652 / 664.71 0.98 [0.91 - 1.06]	621 / 582.47 1.07 [0.98 - 1.15]	648 / 718.11 0.90 [0.83 - 0.97]	693 / 833.49 0.83 [0.77 - 0.90]	2614 / 2798.78 0.93 [0.90 - 0.97]
Test for trend : Chi2= 14.79 p=0.000					
Lung (162)	183 / 163.12 1.12 [0.97 - 1.30]	165 / 140.46 1.17 [1.00 - 1.37]	180 / 179.40 1.00 [0.86 - 1.16]	165 / 195.99 0.84 [0.72 - 0.98]	693 / 678.98 1.02 [0.95 - 1.10]
Test for trend : Chi2= 8.95 p=0.003					
Pleura (163)	4 / 2.85 1.40 [0.38 - 3.60]	4 / 2.36 1.70 [0.46 - 4.34]	5 / 2.67 1.87 [0.61 - 4.36]	10 / 3.49 2.87 [1.38 - 5.27]	23 / 11.37 2.02 [1.28 - 3.04]
Test for trend : Chi2= 1.68 p=0.195					
Soft tissue (171)	6 / 3.25 1.85 [0.68 - 4.02]	3 / 2.53 1.18 [0.24 - 3.46]	2 / 2.81 0.71 [0.09 - 2.57]	4 / 3.37 1.19 [0.32 - 3.04]	15 / 11.97 1.25 [0.70 - 2.07]
Test for trend : Chi2= 0.75 p=0.386					
Other male genital organs (187)	4 / 0.71 5.61 [1.53 - 14.4]	2 / 0.63 3.18 [0.39 - 11.5]	0 / 0.83 0.00 [0.00 - 4.44]	1 / 1.01 0.99 [0.02 - 5.54]	7 / 3.18 2.20 [0.89 - 4.54]
Test for trend : Chi2= 4.91 p=0.027					
Non-Hodgkins lymphoma (200,202)	15 / 17.35 0.86 [0.48 - 1.43]	15 / 14.19 1.06 [0.59 - 1.74]	15 / 16.47 0.91 [0.51 - 1.50]	15 / 20.15 0.74 [0.42 - 1.23]	60 / 68.16 0.88 [0.67 - 1.13]
Test for trend : Chi2= 0.27 p=0.600					
Ischaemic heart disease (410-414)	712 / 747.73 0.95 [0.88 - 1.02]	699 / 672.28 1.04 [0.96 - 1.12]	872 / 868.98 1.00 [0.94 - 1.07]	904 / 1018.22 0.89 [0.83 - 0.95]	3187 / 3307.21 0.96 [0.93 - 1.00]
Test for trend : Chi2= 3.00 p=0.083					
Bronchitis,emphysema & asthma (490-493)	74 / 64.58 1.15 [0.90 - 1.44]	57 / 59.27 0.96 [0.73 - 1.25]	70 / 74.72 0.94 [0.73 - 1.18]	54 / 77.04 0.70 [0.53 - 0.91]	255 / 275.61 0.93 [0.82 - 1.05]
Test for trend : Chi2= 7.10 p=0.008					

TOTAL COHORT

Men

Duration of exposure (years)	0 - 3	4 - 10	11 - 21	22+	Total
ALL CAUSES	2437 / 2483.58 0.98 [0.94 - 1.02]	2194 / 2101.72 1.04 [1.00 - 1.09]	2407 / 2719.00 0.89 [0.85 - 0.92]	2563 / 3259.19 0.79 [0.76 - 0.82]	9601 / 10563.5 0.91 [0.89 - 0.93]
Test for trend : Chi2= 85.88 p=0.000					
ALL MALIGNANT NEOPLASMS (140-208)	538 / 546.59 0.98 [0.90 - 1.07]	521 / 486.87 1.07 [0.98 - 1.17]	569 / 640.24 0.89 [0.82 - 0.96]	658 / 790.45 0.83 [0.77 - 0.90]	2286 / 2464.15 0.93 [0.89 - 0.97]
Test for trend : Chi2= 14.32 p=0.000					
Lung (162)	165 / 151.23 1.09 [0.93 - 1.27]	151 / 131.08 1.15 [0.98 - 1.35]	172 / 172.35 1.00 [0.85 - 1.16]	163 / 192.47 0.85 [0.72 - 0.99]	651 / 647.13 1.01 [0.93 - 1.09]
Test for trend : Chi2= 6.75 p=0.009					
Pleura (163)	3 / 2.65 1.13 [0.23 - 3.31]	3 / 2.22 1.35 [0.28 - 3.95]	5 / 2.56 1.95 [0.63 - 4.56]	10 / 3.42 2.92 [1.40 - 5.37]	21 / 10.85 1.94 [1.20 - 2.96]
Test for trend : Chi2= 2.80 p=0.094					
Soft tissue (171)	5 / 2.67 1.87 [0.61 - 4.37]	1 / 2.10 0.48 [0.01 - 2.66]	2 / 2.49 0.80 [0.10 - 2.90]	4 / 3.19 1.25 [0.34 - 3.21]	12 / 10.45 1.15 [0.59 - 2.01]
Test for trend : Chi2= 0.27 p=0.601					
Other male genital organs (187)	4 / 0.71 5.61 [1.53 - 14.4]	2 / 0.63 3.18 [0.39 - 11.5]	0 / 0.83 0.00 [0.00 - 4.44]	1 / 1.01 0.99 [0.02 - 5.54]	7 / 3.18 2.20 [0.89 - 4.54]
Test for trend : Chi2= 4.91 p=0.027					
Non-Hodgkins lymphoma (200,202)	14 / 14.58 0.96 [0.53 - 1.61]	13 / 12.01 1.08 [0.58 - 1.85]	14 / 14.75 0.95 [0.52 - 1.59]	14 / 19.18 0.73 [0.40 - 1.22]	55 / 60.52 0.91 [0.68 - 1.18]
Test for trend : Chi2= 0.66 p=0.415					
Ischaemic heart disease (410-414)	632 / 670.98 0.94 [0.87 - 1.02]	631 / 605.89 1.04 [0.96 - 1.13]	811 / 810.35 1.00 [0.93 - 1.07]	875 / 983.50 0.89 [0.83 - 0.95]	2949 / 3070.72 0.96 [0.93 - 1.00]
Test for trend : Chi2= 2.31 p=0.128					
Bronchitis,emphysema & asthma (490-493)	69 / 57.89 1.19 [0.93 - 1.51]	54 / 53.87 1.00 [0.75 - 1.31]	66 / 70.52 0.94 [0.72 - 1.19]	51 / 74.59 0.68 [0.51 - 0.90]	240 / 256.87 0.93 [0.82 - 1.06]
Test for trend : Chi2= 8.97 p=0.003					

Table 2.13.22

Mortality from selected causes by duration of exposure to Sulp (reduced sulfure compounds)

TOTAL COHORT

Duration of exposure (years)	0 - 3	4 - 11	12 - 22	23+	Total
ALL CAUSES	1766 / 1925.26 0.92 [0.87 - 0.96]	1674 / 1786.75 0.94 [0.89 - 0.98]	1626 / 1925.64 0.84 [0.80 - 0.89]	1659 / 2127.27 0.78 [0.74 - 0.82]	6725 / 7764.92 0.87 [0.85 - 0.89]
Test for trend : Chi2= 29.61 p=0.000					
ALL MALIGNANT NEOPLASMS (140-208)	370 / 402.89 0.92 [0.83 - 1.02]	390 / 397.59 0.98 [0.89 - 1.08]	376 / 432.68 0.87 [0.78 - 0.96]	395 / 487.98 0.81 [0.73 - 0.89]	1531 / 1721.13 0.89 [0.85 - 0.94]
Test for trend : Chi2= 4.97 p=0.026					
Lung (162)	104 / 97.92 1.06 [0.87 - 1.29]	106 / 93.10 1.14 [0.93 - 1.38]	114 / 105.11 1.08 [0.89 - 1.30]	92 / 111.23 0.83 [0.67 - 1.01]	416 / 407.37 1.02 [0.93 - 1.12]
Test for trend : Chi2= 3.10 p=0.078					
Pleura (163)	3 / 1.65 1.82 [0.38 - 5.32]	5 / 1.57 3.19 [1.04 - 7.44]	4 / 1.53 2.61 [0.71 - 6.68]	7 / 1.90 3.69 [1.48 - 7.60]	19 / 6.65 2.86 [1.72 - 4.46]
Test for trend : Chi2= 0.80 p=0.370					
Other male genital organs (187)	2 / 0.42 4.82 [0.58 - 17.4]	0 / 0.39 0.00 [0.00 - 9.48]	0 / 0.47 0.00 [0.00 - 7.88]	1 / 0.61 1.64 [0.04 - 9.15]	3 / 1.88 1.59 [0.33 - 4.66]
Test for trend : Chi2= 1.05 p=0.306					
Ischaemic heart disease (410-414)	469 / 511.31 0.92 [0.84 - 1.00]	461 / 494.65 0.93 [0.85 - 1.02]	524 / 576.94 0.91 [0.83 - 0.99]	568 / 657.29 0.86 [0.79 - 0.94]	2022 / 2240.19 0.90 [0.86 - 0.94]
Test for trend : Chi2= 1.16 p=0.282					
Bronchitis,emphysema & asthma (490-493)	35 / 38.03 0.92 [0.64 - 1.28]	43 / 38.41 1.12 [0.81 - 1.51]	34 / 44.53 0.76 [0.53 - 1.07]	24 / 45.10 0.53 [0.34 - 0.79]	136 / 166.07 0.82 [0.69 - 0.97]
Test for trend : Chi2= 6.12 p=0.013					

TOTAL COHORT

Men

Duration of exposure (years)	0 - 3	4 - 11	12 - 22	23+	Total
ALL CAUSES	1624 / 1732.37 0.94 [0.89 - 0.98]	1516 / 1570.69 0.97 [0.92 - 1.02]	1553 / 1826.60 0.85 [0.81 - 0.89]	1644 / 2103.96 0.78 [0.74 - 0.82]	6337 / 7233.61 0.88 [0.85 - 0.90]
Test for trend : Chi2= 36.92 p=0.000					
ALL MALIGNANT NEOPLASMS (140-208)	334 / 359.95 0.93 [0.83 - 1.03]	348 / 348.57 1.00 [0.90 - 1.11]	353 / 406.70 0.87 [0.78 - 0.96]	392 / 481.41 0.81 [0.74 - 0.90]	1427 / 1596.63 0.89 [0.85 - 0.94]
Test for trend : Chi2= 5.37 p=0.020					
Lung (162)	103 / 95.34 1.08 [0.88 - 1.31]	104 / 89.92 1.16 [0.95 - 1.40]	111 / 103.33 1.07 [0.88 - 1.29]	92 / 110.78 0.83 [0.67 - 1.02]	410 / 399.36 1.03 [0.93 - 1.13]
Test for trend : Chi2= 3.64 p=0.056					
Pleura (163)	3 / 1.56 1.93 [0.40 - 5.64]	4 / 1.44 2.78 [0.76 - 7.13]	3 / 1.47 2.04 [0.42 - 5.95]	7 / 1.88 3.72 [1.50 - 7.67]	17 / 6.35 2.68 [1.56 - 4.29]
Test for trend : Chi2= 0.76 p=0.383					
Other male genital organs (187)	2 / 0.42 4.82 [0.58 - 17.4]	0 / 0.39 0.00 [0.00 - 9.48]	0 / 0.47 0.00 [0.00 - 7.88]	1 / 0.61 1.64 [0.04 - 9.15]	3 / 1.88 1.59 [0.33 - 4.66]
Test for trend : Chi2= 1.05 p=0.306					
Ischaemic heart disease (410-414)	434 / 468.53 0.93 [0.84 - 1.02]	427 / 450.12 0.95 [0.86 - 1.04]	502 / 554.21 0.91 [0.83 - 0.99]	565 / 652.41 0.87 [0.80 - 0.94]	1928 / 2125.28 0.91 [0.87 - 0.95]
Test for trend : Chi2= 1.63 p=0.202					
Bronchitis,emphysema & asthma (490-493)	34 / 36.04 0.94 [0.65 - 1.32]	41 / 35.27 1.16 [0.83 - 1.58]	34 / 43.36 0.78 [0.54 - 1.10]	24 / 44.82 0.54 [0.34 - 0.80]	133 / 159.49 0.83 [0.70 - 0.99]
Test for trend : Chi2= 6.48 p=0.011					

Table 2.13.23
Mortality from selected causes by duration of exposure to TALC

TOTAL COHORT

Duration of exposure (years)	0 - 2	3 - 8	9 - 19	20+	Total
ALL CAUSES Test for trend : Chi2= 35.61 p=0.000	1045 / 1160.21 0.90 [0.85 - 0.96]	1028 / 1004.50 1.02 [0.96 - 1.09]	1087 / 1233.38 0.88 [0.83 - 0.94]	986 / 1375.41 0.72 [0.67 - 0.76]	4146 / 4773.49 0.87 [0.84 - 0.90]
ALL MALIGNANT NEOPLASMS (140-208) Test for trend : Chi2= 4.17 p=0.041	243 / 263.20 0.92 [0.81 - 1.05]	235 / 237.58 0.99 [0.87 - 1.12]	302 / 307.27 0.98 [0.88 - 1.10]	268 / 347.23 0.77 [0.68 - 0.87]	1048 / 1155.27 0.91 [0.85 - 0.96]
Lung (162) Test for trend : Chi2= 3.80 p=0.051	73 / 69.72 1.05 [0.82 - 1.32]	65 / 57.57 1.13 [0.87 - 1.44]	79 / 78.15 1.01 [0.80 - 1.26]	69 / 89.51 0.77 [0.60 - 0.98]	286 / 294.95 0.97 [0.86 - 1.09]
Pleura (163) Test for trend : Chi2= 0.30 p=0.584	1 / 1.10 0.91 [0.02 - 5.07]	2 / 0.98 2.04 [0.25 - 7.38]	1 / 1.25 0.80 [0.02 - 4.46]	1 / 1.60 0.62 [0.02 - 3.48]	5 / 4.93 1.01 [0.33 - 2.37]
Soft tissue (171) Test for trend : Chi2= 0.01 p=0.934	1 / 1.32 0.76 [0.02 - 4.24]	2 / 1.08 1.85 [0.22 - 6.67]	3 / 1.23 2.44 [0.50 - 7.12]	1 / 1.38 0.72 [0.02 - 4.03]	7 / 5.01 1.40 [0.56 - 2.88]
Ovary (183) Test for trend : Chi2= 2.11 p=0.147	6 / 3.62 1.66 [0.61 - 3.61]	4 / 3.74 1.07 [0.29 - 2.74]	4 / 3.27 1.22 [0.33 - 3.13]	0 / 1.76 0.00 [0.00 - 2.10]	14 / 12.38 1.13 [0.62 - 1.90]
Other male genital organs (187) Test for trend : Chi2= 0.68 p=0.409	1 / 0.28 3.56 [0.09 - 19.9]	0 / 0.24 0.00 [0.00 - 15.5]	1 / 0.31 3.18 [0.08 - 17.7]	0 / 0.40 0.00 [0.00 - 9.31]	2 / 1.23 1.63 [0.20 - 5.88]
Non-Hodgkins lymphoma (200,202) Test for trend : Chi2= 0.03 p=0.872	3 / 6.89 0.44 [0.09 - 1.27]	6 / 5.94 1.01 [0.37 - 2.20]	5 / 7.06 0.71 [0.23 - 1.65]	5 / 8.18 0.61 [0.20 - 1.43]	19 / 28.07 0.68 [0.41 - 1.06]
Ischaemic heart disease (410-414) Test for trend : Chi2= 0.84 p=0.359	271 / 302.36 0.90 [0.79 - 1.01]	253 / 265.00 0.95 [0.84 - 1.08]	309 / 327.31 0.94 [0.84 - 1.06]	305 / 366.02 0.83 [0.74 - 0.93]	1138 / 1260.69 0.90 [0.85 - 0.96]
Bronchitis,emphysema & asthma (490-493) Test for trend : Chi2= 6.30 p=0.012	23 / 25.42 0.90 [0.57 - 1.36]	21 / 22.07 0.95 [0.59 - 1.45]	22 / 27.93 0.79 [0.49 - 1.19]	12 / 32.03 0.37 [0.19 - 0.65]	78 / 107.45 0.73 [0.57 - 0.91]

TOTAL COHORT

Men

Duration of exposure (years)	0 - 2	3 - 8	9 - 19	20+	Total
ALL CAUSES Test for trend : Chi2= 37.05 p=0.000	900 / 994.87 0.90 [0.85 - 0.97]	842 / 803.76 1.05 [0.98 - 1.12]	945 / 1063.47 0.89 [0.83 - 0.95]	930 / 1307.36 0.71 [0.67 - 0.76]	3617 / 4169.46 0.87 [0.84 - 0.90]
ALL MALIGNANT NEOPLASMS (140-208) Test for trend : Chi2= 3.54 p=0.060	196 / 216.15 0.91 [0.78 - 1.04]	175 / 185.55 0.94 [0.81 - 1.09]	264 / 263.20 1.00 [0.89 - 1.13]	244 / 325.63 0.75 [0.66 - 0.85]	879 / 990.52 0.89 [0.83 - 0.95]
Lung (162) Test for trend : Chi2= 2.46 p=0.117	66 / 65.39 1.01 [0.78 - 1.28]	55 / 52.66 1.04 [0.79 - 1.36]	77 / 74.59 1.03 [0.81 - 1.29]	67 / 87.56 0.77 [0.59 - 0.97]	265 / 280.20 0.95 [0.84 - 1.07]
Pleura (163) Test for trend : Chi2= 0.12 p=0.726	1 / 1.02 0.98 [0.02 - 5.46]	1 / 0.89 1.12 [0.03 - 6.25]	1 / 1.17 0.86 [0.02 - 4.78]	1 / 1.55 0.64 [0.02 - 3.59]	4 / 4.63 0.86 [0.24 - 2.21]
Soft tissue (171) Test for trend : Chi2= 0.03 p=0.868	1 / 1.07 0.94 [0.02 - 5.22]	0 / 0.84 0.00 [0.00 - 4.37]	3 / 1.03 2.91 [0.60 - 8.50]	0 / 1.28 0.00 [0.00 - 2.89]	4 / 4.22 0.95 [0.26 - 2.43]
Ovary (183)	0 / 0.00 [. - .]	0 / 0.00 [. - .]	0 / 0.00 [. - .]	0 / 0.00 [. - .]	0 / 0.00 [. - .]
Other male genital organs (187) Test for trend : Chi2= 0.68 p=0.409	1 / 0.28 3.56 [0.09 - 19.9]	0 / 0.24 0.00 [0.00 - 15.5]	1 / 0.31 3.18 [0.08 - 17.7]	0 / 0.40 0.00 [0.00 - 9.31]	2 / 1.23 1.63 [0.20 - 5.88]
Non-Hodgkins lymphoma (200,202) Test for trend : Chi2= 0.26 p=0.609	2 / 5.72 0.35 [0.04 - 1.26]	4 / 4.67 0.86 [0.23 - 2.19]	4 / 5.97 0.67 [0.18 - 1.72]	5 / 7.65 0.65 [0.21 - 1.53]	15 / 24.01 0.62 [0.35 - 1.03]
Ischaemic heart disease (410-414) Test for trend : Chi2= 0.54 p=0.462	239 / 269.68 0.89 [0.78 - 1.01]	214 / 220.96 0.97 [0.84 - 1.11]	272 / 289.12 0.94 [0.83 - 1.06]	297 / 352.67 0.84 [0.75 - 0.94]	1022 / 1132.43 0.90 [0.85 - 0.96]
Bronchitis,emphysema & asthma (490-493) Test for trend : Chi2= 7.15 p=0.007	21 / 23.23 0.90 [0.56 - 1.38]	20 / 19.34 1.03 [0.63 - 1.60]	19 / 25.68 0.74 [0.45 - 1.16]	11 / 30.77 0.36 [0.18 - 0.64]	71 / 99.01 0.72 [0.56 - 0.90]

Table 2.13.24
Mortality from selected causes by duration of exposure to TERP (terpenes)

TOTAL COHORT

Duration of exposure (years)	0 - 2	3 - 9	10 - 21	22+	Total
ALL CAUSES Test for trend : Chi2= 0.14 p=0.709	751 / 984.13 0.76 [0.71 - 0.82]	752 / 788.81 0.95 [0.89 - 1.02]	704 / 835.00 0.84 [0.78 - 0.91]	746 / 924.95 0.81 [0.75 - 0.87]	2953 / 3532.89 0.84 [0.81 - 0.87]
ALL MALIGNANT NEOPLASMS (140-208) Test for trend : Chi2= 0.14 p=0.707	162 / 203.22 0.80 [0.68 - 0.93]	162 / 174.64 0.93 [0.79 - 1.08]	165 / 191.07 0.86 [0.74 - 1.01]	180 / 211.25 0.85 [0.73 - 0.99]	669 / 780.18 0.86 [0.79 - 0.93]
Larynx (161) Test for trend : Chi2= 0.83 p=0.363	5 / 2.63 1.90 [0.62 - 4.43]	5 / 2.49 2.01 [0.65 - 4.68]	3 / 3.04 0.99 [0.20 - 2.88]	4 / 3.22 1.24 [0.34 - 3.18]	17 / 11.38 1.49 [0.87 - 2.39]
Lung (162) Test for trend : Chi2= 3.52 p=0.061	53 / 52.38 1.01 [0.76 - 1.32]	43 / 44.84 0.96 [0.69 - 1.29]	52 / 48.77 1.07 [0.80 - 1.40]	32 / 52.35 0.61 [0.42 - 0.86]	180 / 198.34 0.91 [0.78 - 1.05]
Pleura (163) Test for trend : Chi2= 0.79 p=0.373	1 / 0.82 1.22 [0.03 - 6.79]	4 / 0.73 5.49 [1.50 - 14.1]	2 / 0.80 2.51 [0.30 - 9.06]	0 / 0.85 0.00 [0.00 - 4.32]	7 / 3.20 2.19 [0.88 - 4.51]
Other male genital organs (187)	0 / 0.21 0.00 [0.00 - 17.4]	0 / 0.18 0.00 [0.00 - 21.0]	0 / 0.20 0.00 [0.00 - 18.3]	0 / 0.25 0.00 [0.00 - 14.9]	0 / 0.84 0.00 [0.00 - 4.40]
Ischaemic heart disease (410-414) Test for trend : Chi2= 0.28 p=0.600	201 / 273.26 0.74 [0.64 - 0.84]	196 / 229.45 0.85 [0.74 - 0.98]	224 / 246.01 0.91 [0.80 - 1.04]	208 / 273.62 0.76 [0.66 - 0.87]	829 / 1022.34 0.81 [0.76 - 0.87]
Bronchitis,emphysema & asthma (490-493) Test for trend : Chi2= 0.21 p=0.645	12 / 20.21 0.59 [0.31 - 1.04]	18 / 17.54 1.03 [0.61 - 1.62]	13 / 18.77 0.69 [0.37 - 1.18]	11 / 19.66 0.56 [0.28 - 1.00]	54 / 76.19 0.71 [0.53 - 0.92]

TOTAL COHORT

Men

Duration of exposure (years)	0 - 2	3 - 9	10 - 21	22+	Total
ALL CAUSES Test for trend : Chi2= 0.00 p=0.989	692 / 893.84 0.77 [0.72 - 0.83]	705 / 724.20 0.97 [0.90 - 1.05]	673 / 790.10 0.85 [0.79 - 0.92]	736 / 912.00 0.81 [0.75 - 0.87]	2806 / 3320.14 0.85 [0.81 - 0.88]
ALL MALIGNANT NEOPLASMS (140-208) Test for trend : Chi2= 0.38 p=0.539	142 / 182.67 0.78 [0.65 - 0.92]	150 / 160.36 0.94 [0.79 - 1.10]	159 / 179.83 0.88 [0.75 - 1.03]	178 / 207.80 0.86 [0.74 - 0.99]	629 / 730.66 0.86 [0.79 - 0.93]
Larynx (161) Test for trend : Chi2= 0.85 p=0.355	5 / 2.60 1.92 [0.62 - 4.48]	5 / 2.47 2.02 [0.66 - 4.72]	3 / 3.02 0.99 [0.20 - 2.90]	4 / 3.21 1.24 [0.34 - 3.19]	17 / 11.31 1.50 [0.88 - 2.41]
Lung (162) Test for trend : Chi2= 3.52 p=0.061	52 / 51.13 1.02 [0.76 - 1.33]	43 / 43.96 0.98 [0.71 - 1.32]	52 / 48.01 1.08 [0.81 - 1.42]	32 / 52.12 0.61 [0.42 - 0.87]	179 / 195.21 0.92 [0.79 - 1.06]
Pleura (163) Test for trend : Chi2= 0.67 p=0.413	1 / 0.77 1.30 [0.03 - 7.24]	3 / 0.70 4.31 [0.89 - 12.6]	2 / 0.77 2.61 [0.32 - 9.42]	0 / 0.84 0.00 [0.00 - 4.38]	6 / 3.08 1.95 [0.72 - 4.25]
Other male genital organs (187)	0 / 0.21 0.00 [0.00 - 17.4]	0 / 0.18 0.00 [0.00 - 21.0]	0 / 0.20 0.00 [0.00 - 18.3]	0 / 0.25 0.00 [0.00 - 14.9]	0 / 0.84 0.00 [0.00 - 4.40]
Ischaemic heart disease (410-414) Test for trend : Chi2= 0.05 p=0.831	188 / 252.03 0.75 [0.64 - 0.86]	185 / 213.76 0.87 [0.75 - 1.00]	213 / 234.81 0.91 [0.79 - 1.04]	204 / 270.51 0.75 [0.65 - 0.87]	790 / 971.11 0.81 [0.76 - 0.87]
Bronchitis,emphysema & asthma (490-493) Test for trend : Chi2= 0.31 p=0.578	12 / 19.38 0.62 [0.32 - 1.08]	18 / 16.87 1.07 [0.63 - 1.69]	13 / 18.28 0.71 [0.38 - 1.22]	11 / 19.52 0.56 [0.28 - 1.01]	54 / 74.04 0.73 [0.55 - 0.95]

Table 2.13.25
Mortality from selected causes by duration of exposure to TIO2 (titanium dioxide)

TOTAL COHORT

Duration of exposure (years)	0 - 2	3 - 10	9 - 17	18+	Total
ALL CAUSES Test for trend : Chi2= 42.10 p=0.000	749 / 779.23 0.96 [0.89 - 1.03]	824 / 743.92 1.11 [1.03 - 1.19]	708 / 781.96 0.91 [0.84 - 0.97]	729 / 1001.11 0.73 [0.68 - 0.78]	3010 / 3306.22 0.91 [0.88 - 0.94]
ALL MALIGNANT NEOPLASMS (140-208) Test for trend : Chi2= 11.59 p=0.001	179 / 192.15 0.93 [0.80 - 1.08]	227 / 191.46 1.19 [1.04 - 1.35]	179 / 205.82 0.87 [0.75 - 1.01]	201 / 273.86 0.73 [0.64 - 0.84]	786 / 863.28 0.91 [0.85 - 0.98]
Lung (162) Test for trend : Chi2= 3.11 p=0.078	46 / 49.10 0.94 [0.69 - 1.25]	60 / 48.07 1.25 [0.95 - 1.61]	52 / 55.64 0.93 [0.70 - 1.23]	54 / 73.06 0.74 [0.56 - 0.96]	212 / 225.87 0.94 [0.82 - 1.07]
Other male genital organs (187) Test for trend : Chi2= 2.15 p=0.142	1 / 0.21 4.79 [0.12 - 26.7]	0 / 0.20 0.00 [0.00 - 18.0]	0 / 0.23 0.00 [0.00 - 16.2]	0 / 0.32 0.00 [0.00 - 11.6]	1 / 0.96 1.04 [0.03 - 5.81]
Ischaemic heart disease (410-414) Test for trend : Chi2= 0.42 p=0.518	192 / 193.13 0.99 [0.86 - 1.15]	216 / 201.33 1.07 [0.93 - 1.23]	248 / 219.84 1.13 [0.99 - 1.28]	243 / 261.19 0.93 [0.82 - 1.05]	899 / 875.49 1.03 [0.96 - 1.10]
Bronchitis,emphysema & asthma (490-493) Test for trend : Chi2= 0.98 p=0.322	19 / 17.59 1.08 [0.65 - 1.69]	22 / 18.16 1.21 [0.76 - 1.83]	27 / 21.12 1.28 [0.84 - 1.86]	20 / 25.66 0.78 [0.48 - 1.20]	88 / 82.52 1.07 [0.86 - 1.31]

TOTAL COHORT

Men

Duration of exposure (years)	0 - 2	3 - 10	9 - 17	18+	Total
ALL CAUSES Test for trend : Chi2= 36.48 p=0.000	622 / 653.35 0.95 [0.88 - 1.03]	679 / 610.56 1.11 [1.03 - 1.20]	604 / 675.27 0.89 [0.82 - 0.97]	682 / 932.81 0.73 [0.68 - 0.79]	2587 / 2871.97 0.90 [0.87 - 0.94]
ALL MALIGNANT NEOPLASMS (140-208) Test for trend : Chi2= 10.59 p=0.001	138 / 150.11 0.92 [0.77 - 1.09]	175 / 148.91 1.18 [1.01 - 1.36]	147 / 172.67 0.85 [0.72 - 1.00]	180 / 249.80 0.72 [0.62 - 0.83]	640 / 721.49 0.89 [0.82 - 0.96]
Lung (162) Test for trend : Chi2= 1.52 p=0.218	38 / 44.09 0.86 [0.61 - 1.18]	49 / 42.64 1.15 [0.85 - 1.52]	46 / 51.55 0.89 [0.65 - 1.19]	52 / 70.12 0.74 [0.55 - 0.97]	185 / 208.40 0.89 [0.76 - 1.03]
Other male genital organs (187) Test for trend : Chi2= 2.15 p=0.142	1 / 0.21 4.79 [0.12 - 26.7]	0 / 0.20 0.00 [0.00 - 18.0]	0 / 0.23 0.00 [0.00 - 16.2]	0 / 0.32 0.00 [0.00 - 11.6]	1 / 0.96 1.04 [0.03 - 5.81]
Ischaemic heart disease (410-414) Test for trend : Chi2= 0.03 p=0.855	159 / 170.46 0.93 [0.79 - 1.09]	189 / 174.52 1.08 [0.93 - 1.25]	219 / 196.27 1.12 [0.97 - 1.27]	231 / 248.21 0.93 [0.81 - 1.06]	798 / 789.46 1.01 [0.94 - 1.08]
Bronchitis,emphysema & asthma (490-493) Test for trend : Chi2= 1.54 p=0.215	17 / 15.18 1.12 [0.65 - 1.79]	20 / 15.54 1.29 [0.79 - 1.99]	24 / 18.88 1.27 [0.81 - 1.89]	18 / 23.96 0.75 [0.45 - 1.19]	79 / 73.56 1.07 [0.85 - 1.34]

Table 2.13.26
Mortality from selected causes by duration of exposure to WELD (welding fumes)

TOTAL COHORT

Duration of exposure (years)	0 - 2	3 - 11	12 - 24	25+	Total
ALL CAUSES Test for trend : Chi2= 14.68 p=0.000	1120 / 1255.53 0.89 [0.84 - 0.95]	1263 / 1363.40 0.93 [0.88 - 0.98]	1170 / 1423.29 0.82 [0.78 - 0.87]	1137 / 1446.37 0.79 [0.74 - 0.83]	4690 / 5488.59 0.85 [0.83 - 0.88]
ALL MALIGNANT NEOPLASMS (140-208) Test for trend : Chi2= 0.59 p=0.444	242 / 270.59 0.89 [0.79 - 1.01]	299 / 307.17 0.97 [0.87 - 1.09]	298 / 332.76 0.90 [0.80 - 1.00]	310 / 357.92 0.87 [0.77 - 0.97]	1149 / 1268.44 0.91 [0.85 - 0.96]
Lung (162) Test for trend : Chi2= 0.02 p=0.901	63 / 73.05 0.86 [0.66 - 1.10]	84 / 79.88 1.05 [0.84 - 1.30]	104 / 89.01 1.17 [0.95 - 1.42]	75 / 87.19 0.86 [0.68 - 1.08]	326 / 329.12 0.99 [0.89 - 1.10]
Pleura (163) Test for trend : Chi2= 1.90 p=0.168	2 / 1.27 1.57 [0.19 - 5.68]	2 / 1.34 1.50 [0.18 - 5.40]	3 / 1.33 2.25 [0.46 - 6.57]	6 / 1.53 3.93 [1.44 - 8.56]	13 / 5.47 2.38 [1.27 - 4.06]
Other male genital organs (187) Test for trend : Chi2= 0.26 p=0.609	1 / 0.29 3.51 [0.09 - 19.5]	1 / 0.34 2.95 [0.07 - 16.4]	0 / 0.37 0.00 [0.00 - 9.88]	1 / 0.43 2.35 [0.06 - 13.1]	3 / 1.42 2.11 [0.43 - 6.16]
Ischaemic heart disease (410-414) Test for trend : Chi2= 0.04 p=0.849	305 / 355.49 0.86 [0.76 - 0.96]	343 / 389.10 0.88 [0.79 - 0.98]	360 / 418.69 0.86 [0.77 - 0.95]	350 / 410.31 0.85 [0.77 - 0.95]	1358 / 1573.59 0.86 [0.82 - 0.91]
Bronchitis,emphysema & asthma (490-493) Test for trend : Chi2= 0.52 p=0.472	20 / 28.14 0.71 [0.43 - 1.10]	35 / 31.87 1.10 [0.77 - 1.53]	25 / 35.97 0.69 [0.45 - 1.03]	22 / 31.70 0.69 [0.43 - 1.05]	102 / 127.68 0.80 [0.65 - 0.97]

TOTAL COHORT

Men

Duration of exposure (years)	0 - 2	3 - 11	12 - 24	25+	Total
ALL CAUSES Test for trend : Chi2= 16.54 p=0.000	992 / 1101.51 0.90 [0.85 - 0.96]	1176 / 1257.24 0.94 [0.88 - 0.99]	1140 / 1389.48 0.82 [0.77 - 0.87]	1132 / 1439.90 0.79 [0.74 - 0.83]	4440 / 5188.13 0.86 [0.83 - 0.88]
ALL MALIGNANT NEOPLASMS (140-208) Test for trend : Chi2= 1.13 p=0.287	217 / 236.30 0.92 [0.80 - 1.05]	276 / 282.81 0.98 [0.86 - 1.10]	290 / 324.34 0.89 [0.79 - 1.00]	308 / 355.97 0.87 [0.77 - 0.97]	1091 / 1199.42 0.91 [0.86 - 0.97]
Lung (162) Test for trend : Chi2= 0.00 p=0.964	62 / 70.88 0.87 [0.67 - 1.12]	82 / 78.22 1.05 [0.83 - 1.30]	103 / 88.41 1.16 [0.95 - 1.41]	75 / 87.04 0.86 [0.68 - 1.08]	322 / 324.55 0.99 [0.89 - 1.11]
Pleura (163) Test for trend : Chi2= 2.24 p=0.134	2 / 1.19 1.68 [0.20 - 6.08]	1 / 1.29 0.78 [0.02 - 4.33]	3 / 1.32 2.27 [0.47 - 6.64]	6 / 1.52 3.94 [1.44 - 8.57]	12 / 5.32 2.26 [1.17 - 3.94]
Other male genital organs (187) Test for trend : Chi2= 0.26 p=0.609	1 / 0.29 3.51 [0.09 - 19.5]	1 / 0.34 2.95 [0.07 - 16.4]	0 / 0.37 0.00 [0.00 - 9.88]	1 / 0.43 2.35 [0.06 - 13.1]	3 / 1.42 2.11 [0.43 - 6.16]
Ischaemic heart disease (410-414) Test for trend : Chi2= 0.05 p=0.826	272 / 317.26 0.86 [0.76 - 0.97]	321 / 363.26 0.88 [0.79 - 0.99]	354 / 410.61 0.86 [0.77 - 0.96]	348 / 408.98 0.85 [0.76 - 0.95]	1295 / 1500.11 0.86 [0.82 - 0.91]
Bronchitis,emphysema & asthma (490-493) Test for trend : Chi2= 0.41 p=0.520	18 / 26.60 0.68 [0.40 - 1.07]	35 / 30.68 1.14 [0.79 - 1.59]	25 / 35.58 0.70 [0.45 - 1.04]	22 / 31.59 0.70 [0.44 - 1.05]	100 / 124.45 0.80 [0.65 - 0.98]

Table 2.13.27
Mortality from selected causes by duration of exposure to WOOD (wood dust)

TOTAL COHORT

Duration of exposure (years)	0 - 3	4 - 10	11 - 22	23+	Total
ALL CAUSES	1724 / 1931.80 0.89 [0.85 - 0.94]	1395 / 1433.17 0.97 [0.92 - 1.03]	1567 / 1921.38 0.82 [0.78 - 0.86]	1501 / 1866.80 0.80 [0.76 - 0.85]	6187 / 7153.14 0.86 [0.84 - 0.89]
Test for trend : Chi2= 17.36 p=0.000					
ALL MALIGNANT NEOPLASMS (140-208)	399 / 416.57 0.96 [0.87 - 1.06]	298 / 324.38 0.92 [0.82 - 1.03]	347 / 429.06 0.81 [0.73 - 0.90]	335 / 425.42 0.79 [0.71 - 0.88]	1379 / 1595.43 0.86 [0.82 - 0.91]
Test for trend : Chi2= 9.14 p=0.002					
Nose & sinuses (160)	1 / 1.21 0.82 [0.02 - 4.59]	0 / 1.04 0.00 [0.00 - 3.55]	2 / 1.53 1.30 [0.16 - 4.71]	1 / 1.65 0.61 [0.02 - 3.38]	4 / 5.44 0.74 [0.20 - 1.88]
Test for trend : Chi2= 0.02 p=0.880					
Larynx (161)	8 / 5.39 1.48 [0.64 - 2.92]	6 / 4.42 1.36 [0.50 - 2.96]	8 / 5.79 1.38 [0.60 - 2.72]	5 / 5.78 0.86 [0.28 - 2.02]	27 / 21.39 1.26 [0.83 - 1.84]
Test for trend : Chi2= 0.75 p=0.387					
Lung (162)	116 / 104.36 1.11 [0.92 - 1.33]	90 / 82.48 1.09 [0.88 - 1.34]	105 / 106.47 0.99 [0.81 - 1.19]	80 / 101.44 0.79 [0.63 - 0.98]	391 / 394.74 0.99 [0.89 - 1.09]
Test for trend : Chi2= 5.78 p=0.016					
Pleura (163)	3 / 1.73 1.74 [0.36 - 5.07]	4 / 1.31 3.05 [0.83 - 7.81]	1 / 1.63 0.61 [0.02 - 3.41]	1 / 1.72 0.58 [0.01 - 3.25]	9 / 6.39 1.41 [0.64 - 2.67]
Test for trend : Chi2= 1.85 p=0.174					
Other male genital organs (187)	1 / 0.45 2.23 [0.06 - 12.5]	0 / 0.35 0.00 [0.00 - 10.5]	1 / 0.49 2.02 [0.05 - 11.3]	1 / 0.53 1.87 [0.05 - 10.4]	3 / 1.83 1.64 [0.34 - 4.80]
Test for trend : Chi2= 0.01 p=0.931					
Ischaemic heart disease (410-414)	446 / 537.83 0.83 [0.75 - 0.91]	406 / 422.93 0.96 [0.87 - 1.06]	490 / 580.73 0.84 [0.77 - 0.92]	504 / 575.05 0.88 [0.80 - 0.96]	1846 / 2116.54 0.87 [0.83 - 0.91]
Test for trend : Chi2= 0.06 p=0.815					
Bronchitis,emphysema & asthma (490-493)	35 / 40.44 0.87 [0.60 - 1.20]	36 / 34.36 1.05 [0.73 - 1.45]	35 / 47.24 0.74 [0.52 - 1.03]	26 / 41.70 0.62 [0.41 - 0.91]	132 / 163.74 0.81 [0.67 - 0.96]
Test for trend : Chi2= 2.60 p=0.107					

TOTAL COHORT

Men

Duration of exposure (years)	0 - 3	4 - 10	11 - 22	23+	Total
ALL CAUSES	1596 / 1757.23 0.91 [0.86 - 0.95]	1322 / 1336.87 0.99 [0.94 - 1.04]	1514 / 1838.36 0.82 [0.78 - 0.87]	1491 / 1855.07 0.80 [0.76 - 0.85]	5923 / 6787.53 0.87 [0.85 - 0.90]
Test for trend : Chi2= 21.48 p=0.000					
ALL MALIGNANT NEOPLASMS (140-208)	365 / 376.88 0.97 [0.87 - 1.07]	286 / 303.50 0.94 [0.84 - 1.06]	336 / 409.89 0.82 [0.73 - 0.91]	334 / 421.93 0.79 [0.71 - 0.88]	1321 / 1512.19 0.87 [0.83 - 0.92]
Test for trend : Chi2= 9.39 p=0.002					
Nose & sinuses (160)	1 / 1.14 0.88 [0.02 - 4.88]	0 / 1.00 0.00 [0.00 - 3.69]	2 / 1.50 1.34 [0.16 - 4.82]	1 / 1.64 0.61 [0.02 - 3.39]	4 / 5.28 0.76 [0.21 - 1.94]
Test for trend : Chi2= 0.01 p=0.914					
Larynx (161)	8 / 5.34 1.50 [0.65 - 2.95]	6 / 4.39 1.37 [0.50 - 2.98]	8 / 5.77 1.39 [0.60 - 2.73]	5 / 5.78 0.87 [0.28 - 2.02]	27 / 21.27 1.27 [0.84 - 1.85]
Test for trend : Chi2= 0.78 p=0.377					
Lung (162)	113 / 101.93 1.11 [0.91 - 1.33]	90 / 81.17 1.11 [0.89 - 1.36]	105 / 105.21 1.00 [0.82 - 1.21]	80 / 101.21 0.79 [0.63 - 0.98]	388 / 389.52 1.00 [0.90 - 1.10]
Test for trend : Chi2= 5.58 p=0.018					
Pleura (163)	3 / 1.63 1.84 [0.38 - 5.37]	3 / 1.27 2.37 [0.49 - 6.93]	1 / 1.58 0.63 [0.02 - 3.52]	1 / 1.71 0.59 [0.01 - 3.27]	8 / 6.19 1.29 [0.56 - 2.55]
Test for trend : Chi2= 1.78 p=0.182					
Other male genital organs (187)	1 / 0.45 2.23 [0.06 - 12.5]	0 / 0.35 0.00 [0.00 - 10.5]	1 / 0.49 2.02 [0.05 - 11.3]	1 / 0.53 1.87 [0.05 - 10.4]	3 / 1.83 1.64 [0.34 - 4.80]
Test for trend : Chi2= 0.01 p=0.931					
Ischaemic heart disease (410-414)	413 / 496.90 0.83 [0.75 - 0.92]	385 / 399.56 0.96 [0.87 - 1.06]	475 / 559.66 0.85 [0.77 - 0.93]	500 / 572.70 0.87 [0.80 - 0.95]	1773 / 2028.82 0.87 [0.83 - 0.92]
Test for trend : Chi2= 0.02 p=0.898					
Bronchitis,emphysema & asthma (490-493)	35 / 38.79 0.90 [0.63 - 1.25]	35 / 33.41 1.05 [0.73 - 1.46]	35 / 46.39 0.75 [0.53 - 1.05]	26 / 41.57 0.63 [0.41 - 0.92]	131 / 160.17 0.82 [0.68 - 0.97]
Test for trend : Chi2= 3.02 p=0.082					

Table 2.14.1

Mortality from selected causes by duration of high exposure to ACID (inorganic acid mist)

TOTAL COHORT

Duration of high exposure (years)	0 - 2	3 - 8	9 - 19	20+	Total
ALL CAUSES	258 / 310.77 0.83 [0.73 - 0.94]	249 / 242.14 1.03 [0.90 - 1.16]	253 / 254.94 0.99 [0.87 - 1.12]	248 / 291.48 0.85 [0.75 - 0.96]	1008 / 1099.33 0.92 [0.86 - 0.98]
Test for trend : Chi2= 0.04 p=0.835					
ALL MALIGNANT NEOPLASMS (140-208)	50 / 75.99 0.66 [0.49 - 0.87]	68 / 63.96 1.06 [0.83 - 1.35]	64 / 64.80 0.99 [0.76 - 1.26]	50 / 73.20 0.68 [0.51 - 0.90]	232 / 277.95 0.83 [0.73 - 0.95]
Test for trend : Chi2= 0.00 p=0.948					
Larynx (161)	2 / 1.14 1.76 [0.21 - 6.35]	1 / 0.97 1.03 [0.03 - 5.74]	2 / 0.85 2.34 [0.28 - 8.46]	2 / 0.92 2.17 [0.26 - 7.85]	7 / 3.88 1.80 [0.72 - 3.72]
Test for trend : Chi2= 0.16 p=0.692					
Lung (162)	15 / 24.17 0.62 [0.35 - 1.02]	24 / 19.19 1.25 [0.80 - 1.86]	17 / 19.86 0.86 [0.50 - 1.37]	15 / 22.47 0.67 [0.37 - 1.10]	71 / 85.69 0.83 [0.65 - 1.05]
Test for trend : Chi2= 0.03 p=0.864					
Other male genital organs (187)	0 / 0.09 0.00 [0.00 - 38.9]	0 / 0.07 0.00 [0.00 - 54.1]	0 / 0.08 0.00 [0.00 - 48.7]	0 / 0.10 0.00 [0.00 - 38.3]	0 / 0.34 0.00 [0.00 - 11.0]
Ischaemic heart disease (410-414)	78 / 85.67 0.91 [0.72 - 1.14]	75 / 69.15 1.08 [0.85 - 1.36]	82 / 77.02 1.06 [0.85 - 1.32]	89 / 86.35 1.03 [0.83 - 1.27]	324 / 318.19 1.02 [0.91 - 1.14]
Test for trend : Chi2= 0.52 p=0.471					
Bronchitis,emphysema & asthma (490-493)	10 / 8.42 1.19 [0.57 - 2.18]	4 / 6.29 0.64 [0.17 - 1.63]	8 / 7.33 1.09 [0.47 - 2.15]	9 / 9.35 0.96 [0.44 - 1.83]	31 / 31.39 0.99 [0.67 - 1.40]
Test for trend : Chi2= 0.05 p=0.831					

TOTAL COHORT

Men

Duration of high exposure (years)	0 - 2	3 - 8	9 - 19	20+	Total
ALL CAUSES	246 / 284.57 0.86 [0.76 - 0.98]	209 / 196.02 1.07 [0.93 - 1.22]	216 / 219.08 0.99 [0.86 - 1.13]	236 / 282.03 0.84 [0.73 - 0.95]	907 / 981.69 0.92 [0.86 - 0.99]
Test for trend : Chi2= 0.27 p=0.602					
ALL MALIGNANT NEOPLASMS (140-208)	47 / 68.54 0.69 [0.50 - 0.91]	59 / 52.26 1.13 [0.86 - 1.46]	50 / 55.76 0.90 [0.67 - 1.18]	48 / 70.76 0.68 [0.50 - 0.90]	204 / 247.31 0.82 [0.72 - 0.95]
Test for trend : Chi2= 0.18 p=0.668					
Larynx (161)	2 / 1.11 1.79 [0.22 - 6.48]	1 / 0.93 1.07 [0.03 - 5.96]	2 / 0.83 2.42 [0.29 - 8.73]	2 / 0.91 2.19 [0.26 - 7.91]	7 / 3.79 1.85 [0.74 - 3.81]
Test for trend : Chi2= 0.15 p=0.703					
Lung (162)	15 / 22.97 0.65 [0.37 - 1.08]	23 / 17.35 1.33 [0.84 - 1.99]	14 / 18.54 0.76 [0.41 - 1.27]	15 / 22.16 0.68 [0.38 - 1.12]	67 / 81.01 0.83 [0.64 - 1.05]
Test for trend : Chi2= 0.17 p=0.677					
Other male genital organs (187)	0 / 0.09 0.00 [0.00 - 38.9]	0 / 0.07 0.00 [0.00 - 54.1]	0 / 0.08 0.00 [0.00 - 48.7]	0 / 0.10 0.00 [0.00 - 38.3]	0 / 0.34 0.00 [0.00 - 11.0]
Ischaemic heart disease (410-414)	74 / 79.69 0.93 [0.73 - 1.17]	60 / 57.66 1.04 [0.79 - 1.34]	73 / 67.82 1.08 [0.84 - 1.35]	84 / 83.79 1.00 [0.80 - 1.24]	291 / 288.96 1.01 [0.89 - 1.13]
Test for trend : Chi2= 0.26 p=0.611					
Bronchitis,emphysema & asthma (490-493)	10 / 7.97 1.25 [0.60 - 2.31]	2 / 5.50 0.36 [0.04 - 1.31]	8 / 6.72 1.19 [0.51 - 2.35]	9 / 9.21 0.98 [0.45 - 1.86]	29 / 29.39 0.99 [0.66 - 1.42]
Test for trend : Chi2= 0.02 p=0.884					

Table 2.14.2
Mortality from selected causes by duration of high exposure to ASB (asbestos)

TOTAL COHORT

Duration of high exposure (years)	0 - 1	2 - 5	6 - 13	14+	Total
ALL CAUSES Test for trend : Chi2= 0.27 p=0.602	191 / 219.64 0.87 [0.75 - 1.00]	191 / 179.51 1.06 [0.92 - 1.23]	204 / 178.13 1.15 [0.99 - 1.31]	196 / 241.83 0.81 [0.70 - 0.93]	782 / 819.11 0.95 [0.89 - 1.02]
ALL MALIGNANT NEOPLASMS (140-208) Test for trend : Chi2= 4.48 p=0.034	46 / 44.01 1.05 [0.77 - 1.39]	41 / 40.57 1.01 [0.73 - 1.37]	50 / 42.01 1.19 [0.88 - 1.57]	33 / 55.58 0.59 [0.41 - 0.83]	170 / 182.17 0.93 [0.80 - 1.08]
Lung (162) Test for trend : Chi2= 4.63 p=0.031	16 / 12.97 1.23 [0.70 - 2.00]	10 / 11.53 0.87 [0.42 - 1.59]	16 / 11.86 1.35 [0.77 - 2.19]	5 / 15.50 0.32 [0.10 - 0.75]	47 / 51.87 0.91 [0.67 - 1.20]
Pleura (163) Test for trend : Chi2= 1.63 p=0.201	2 / 0.20 9.79 [1.18 - 35.4]	0 / 0.17 0.00 [0.00 - 21.1]	1 / 0.16 6.33 [0.16 - 35.3]	0 / 0.23 0.00 [0.00 - 16.3]	3 / 0.76 3.93 [0.81 - 11.5]
Other male genital organs (187)	0 / 0.05 0.00 [0.00 - 74.4]	0 / 0.05 0.00 [0.00 - 77.0]	0 / 0.05 0.00 [0.00 - 76.3]	0 / 0.06 0.00 [0.00 - 57.5]	0 / 0.21 0.00 [0.00 - 17.6]
Kidney (189) Test for trend : Chi2= 0.49 p=0.486	1 / 1.29 0.78 [0.02 - 4.34]	0 / 1.15 0.00 [0.00 - 3.21]	1 / 1.16 0.86 [0.02 - 4.82]	2 / 1.61 1.24 [0.15 - 4.49]	4 / 5.20 0.77 [0.21 - 1.97]
Ischaemic heart disease (410-414) Test for trend : Chi2= 0.63 p=0.427	56 / 61.21 0.91 [0.69 - 1.19]	43 / 53.77 0.80 [0.58 - 1.08]	54 / 53.94 1.00 [0.75 - 1.31]	73 / 73.38 0.99 [0.78 - 1.25]	226 / 242.30 0.93 [0.82 - 1.06]
Bronchitis, emphysema & asthma (490-493) Test for trend : Chi2= 0.11 p=0.736	4 / 4.71 0.85 [0.23 - 2.17]	6 / 4.69 1.28 [0.47 - 2.78]	5 / 4.47 1.12 [0.36 - 2.61]	4 / 5.59 0.72 [0.19 - 1.83]	19 / 19.47 0.98 [0.59 - 1.52]

TOTAL COHORT

Men

Duration of high exposure (years)	0 - 1	2 - 5	6 - 13	14+	Total
ALL CAUSES Test for trend : Chi2= 0.45 p=0.502	180 / 205.42 0.88 [0.75 - 1.01]	182 / 168.65 1.08 [0.93 - 1.25]	195 / 172.06 1.13 [0.98 - 1.30]	191 / 235.29 0.81 [0.70 - 0.94]	748 / 781.41 0.96 [0.89 - 1.03]
ALL MALIGNANT NEOPLASMS (140-208) Test for trend : Chi2= 2.89 p=0.089	40 / 40.99 0.98 [0.70 - 1.33]	39 / 38.35 1.02 [0.72 - 1.39]	49 / 40.61 1.21 [0.89 - 1.60]	33 / 54.21 0.61 [0.42 - 0.85]	161 / 174.16 0.92 [0.79 - 1.08]
Lung (162) Test for trend : Chi2= 3.98 p=0.046	15 / 12.80 1.17 [0.66 - 1.93]	10 / 11.39 0.88 [0.42 - 1.61]	16 / 11.78 1.36 [0.78 - 2.21]	5 / 15.41 0.32 [0.11 - 0.76]	46 / 51.38 0.90 [0.66 - 1.19]
Pleura (163) Test for trend : Chi2= 1.67 p=0.197	2 / 0.20 10.10 [1.23 - 36.6]	0 / 0.17 0.00 [0.00 - 21.8]	1 / 0.15 6.47 [0.16 - 36.0]	0 / 0.22 0.00 [0.00 - 16.6]	3 / 0.74 4.04 [0.83 - 11.8]
Other male genital organs (187)	0 / 0.05 0.00 [0.00 - 74.4]	0 / 0.05 0.00 [0.00 - 77.0]	0 / 0.05 0.00 [0.00 - 76.3]	0 / 0.06 0.00 [0.00 - 57.5]	0 / 0.21 0.00 [0.00 - 17.6]
Kidney (189) Test for trend : Chi2= 0.45 p=0.505	1 / 1.21 0.83 [0.02 - 4.61]	0 / 1.09 0.00 [0.00 - 3.39]	1 / 1.12 0.89 [0.02 - 4.97]	2 / 1.57 1.27 [0.15 - 4.60]	4 / 4.99 0.80 [0.22 - 2.05]
Ischaemic heart disease (410-414) Test for trend : Chi2= 0.19 p=0.659	55 / 57.84 0.95 [0.72 - 1.24]	41 / 50.94 0.80 [0.58 - 1.09]	51 / 52.43 0.97 [0.72 - 1.28]	70 / 71.61 0.98 [0.76 - 1.24]	217 / 232.82 0.93 [0.81 - 1.06]
Bronchitis, emphysema & asthma (490-493) Test for trend : Chi2= 0.13 p=0.718	4 / 4.59 0.87 [0.24 - 2.23]	6 / 4.59 1.31 [0.48 - 2.85]	5 / 4.42 1.13 [0.37 - 2.64]	4 / 5.52 0.73 [0.20 - 1.86]	19 / 19.11 0.99 [0.60 - 1.55]

Table 2.14.3

Mortality from selected causes by duration of high exposure to CLIO (inorganic chlorine compounds)

TOTAL COHORT

Duration of high exposure (years)	0 - 2	3 - 7	8 - 14	15+	Total
ALL CAUSES Test for trend : Chi2= 0.79 p=0.374	223 / 281.97 0.79 [0.69 - 0.90]	197 / 201.37 0.98 [0.85 - 1.12]	193 / 203.52 0.95 [0.82 - 1.09]	206 / 238.15 0.87 [0.75 - 0.99]	819 / 925.01 0.89 [0.83 - 0.95]
ALL MALIGNANT NEOPLASMS (140-208) Test for trend : Chi2= 0.00 p=0.974	46 / 65.26 0.70 [0.52 - 0.94]	48 / 48.99 0.98 [0.72 - 1.30]	44 / 50.00 0.88 [0.64 - 1.18]	41 / 56.70 0.72 [0.52 - 0.98]	179 / 220.94 0.81 [0.70 - 0.94]
Pancreas (157) Test for trend : Chi2= 0.85 p=0.358	4 / 2.84 1.41 [0.38 - 3.61]	4 / 2.25 1.78 [0.49 - 4.56]	5 / 2.20 2.27 [0.74 - 5.30]	1 / 2.87 0.35 [0.01 - 1.94]	14 / 10.15 1.38 [0.75 - 2.31]
Lung (162) Test for trend : Chi2= 0.20 p=0.657	14 / 20.73 0.68 [0.37 - 1.13]	19 / 14.33 1.33 [0.80 - 2.07]	12 / 17.52 0.68 [0.35 - 1.20]	11 / 16.24 0.68 [0.34 - 1.21]	56 / 68.83 0.81 [0.61 - 1.06]
Other male genital organs (187)	0 / 0.08 0.00 [0.00 - 46.4]	0 / 0.05 0.00 [0.00 - 68.6]	0 / 0.06 0.00 [0.00 - 61.9]	0 / 0.08 0.00 [0.00 - 48.9]	0 / 0.27 0.00 [0.00 - 13.7]
Ischaemic heart disease (410-414) Test for trend : Chi2= 1.82 p=0.177	67 / 78.52 0.85 [0.66 - 1.08]	63 / 58.72 1.07 [0.82 - 1.37]	66 / 64.13 1.03 [0.80 - 1.31]	85 / 78.06 1.09 [0.87 - 1.35]	281 / 279.43 1.01 [0.89 - 1.13]
Bronchitis,emphysema & asthma (490-493) Test for trend : Chi2= 0.13 p=0.715	9 / 6.97 1.29 [0.59 - 2.45]	5 / 5.12 0.98 [0.32 - 2.28]	7 / 7.00 1.00 [0.40 - 2.06]	6 / 5.52 1.09 [0.40 - 2.37]	27 / 24.61 1.10 [0.72 - 1.60]

TOTAL COHORT

Men

Duration of high exposure (years)	0 - 2	3 - 7	8 - 14	15+	Total
ALL CAUSES Test for trend : Chi2= 0.36 p=0.550	202 / 252.65 0.80 [0.69 - 0.92]	164 / 160.93 1.02 [0.87 - 1.19]	167 / 182.51 0.92 [0.78 - 1.06]	201 / 230.96 0.87 [0.75 - 1.00]	734 / 827.05 0.89 [0.82 - 0.95]
ALL MALIGNANT NEOPLASMS (140-208) Test for trend : Chi2= 0.01 p=0.924	40 / 57.10 0.70 [0.50 - 0.95]	41 / 39.23 1.05 [0.75 - 1.42]	36 / 44.59 0.81 [0.57 - 1.12]	40 / 54.41 0.74 [0.53 - 1.00]	157 / 195.34 0.80 [0.68 - 0.94]
Pancreas (157) Test for trend : Chi2= 0.61 p=0.437	3 / 2.51 1.19 [0.25 - 3.49]	3 / 1.81 1.66 [0.34 - 4.84]	4 / 1.96 2.04 [0.56 - 5.23]	1 / 2.78 0.36 [0.01 - 2.01]	11 / 9.06 1.21 [0.61 - 2.17]
Lung (162) Test for trend : Chi2= 0.63 p=0.428	14 / 19.37 0.72 [0.40 - 1.21]	18 / 12.79 1.41 [0.83 - 2.22]	11 / 16.65 0.66 [0.33 - 1.18]	10 / 15.78 0.63 [0.30 - 1.17]	53 / 64.59 0.82 [0.61 - 1.07]
Other male genital organs (187)	0 / 0.08 0.00 [0.00 - 46.4]	0 / 0.05 0.00 [0.00 - 68.6]	0 / 0.06 0.00 [0.00 - 61.9]	0 / 0.08 0.00 [0.00 - 48.9]	0 / 0.27 0.00 [0.00 - 13.7]
Ischaemic heart disease (410-414) Test for trend : Chi2= 1.38 p=0.239	61 / 71.80 0.85 [0.65 - 1.09]	53 / 48.58 1.09 [0.82 - 1.43]	58 / 58.67 0.99 [0.75 - 1.28]	82 / 76.31 1.07 [0.85 - 1.33]	254 / 255.36 0.99 [0.88 - 1.12]
Bronchitis,emphysema & asthma (490-493) Test for trend : Chi2= 0.02 p=0.879	8 / 6.49 1.23 [0.53 - 2.43]	4 / 4.47 0.90 [0.24 - 2.29]	7 / 6.63 1.06 [0.42 - 2.18]	6 / 5.38 1.12 [0.41 - 2.43]	25 / 22.96 1.09 [0.70 - 1.61]

Table 2.14.4

Mortality from selected causes by duration of high exposure to CLVO (volatile organochlorine compounds)

TOTAL COHORT

Duration of high exposure (years)	0 - 3	4 - 10	11 - 23	24+	Total
ALL CAUSES	522 / 585.89 0.89 [0.82 - 0.97]	432 / 450.79 0.96 [0.87 - 1.05]	497 / 522.66 0.95 [0.87 - 1.04]	482 / 628.92 0.77 [0.70 - 0.84]	1933 / 2188.26 0.88 [0.84 - 0.92]
Test for trend : Chi2= 5.15 p=0.023					
ALL MALIGNANT NEOPLASMS (140-208)	140 / 139.75 1.00 [0.84 - 1.18]	118 / 107.45 1.10 [0.91 - 1.32]	118 / 124.41 0.95 [0.79 - 1.14]	144 / 146.36 0.98 [0.83 - 1.16]	520 / 517.97 1.00 [0.92 - 1.09]
Test for trend : Chi2= 0.22 p=0.638					
Pleura (163)	0 / 0.66 0.00 [0.00 - 5.58]	1 / 0.46 2.19 [0.05 - 12.2]	2 / 0.46 4.31 [0.52 - 15.6]	5 / 0.60 8.37 [2.72 - 19.5]	8 / 2.18 3.67 [1.58 - 7.23]
Test for trend : Chi2= 6.20 p=0.013					
Lung (162)	38 / 34.40 1.10 [0.78 - 1.52]	29 / 25.28 1.15 [0.77 - 1.65]	26 / 28.28 0.92 [0.60 - 1.35]	35 / 31.48 1.11 [0.77 - 1.55]	128 / 119.43 1.07 [0.89 - 1.27]
Test for trend : Chi2= 0.05 p=0.824					
Other male genital organs (187)	0 / 0.17 0.00 [0.00 - 21.8]	1 / 0.13 7.51 [0.19 - 41.8]	0 / 0.15 0.00 [0.00 - 23.9]	1 / 0.19 5.35 [0.13 - 29.8]	2 / 0.64 3.11 [0.38 - 11.2]
Test for trend : Chi2= 0.29 p=0.591					
Ischaemic heart disease (410-414)	140 / 146.48 0.96 [0.80 - 1.13]	121 / 124.08 0.98 [0.81 - 1.17]	189 / 156.78 1.21 [1.04 - 1.39]	155 / 198.94 0.78 [0.66 - 0.91]	605 / 626.28 0.97 [0.89 - 1.05]
Test for trend : Chi2= 1.55 p=0.213					
Bronchitis, emphysema & asthma (490-493)	13 / 14.63 0.89 [0.47 - 1.52]	13 / 11.60 1.12 [0.60 - 1.92]	8 / 12.45 0.64 [0.28 - 1.27]	7 / 13.43 0.52 [0.21 - 1.07]	41 / 52.13 0.79 [0.56 - 1.07]
Test for trend : Chi2= 2.00 p=0.158					

TOTAL COHORT

Men

Duration of high exposure (years)	0 - 3	4 - 10	11 - 23	24+	Total
ALL CAUSES	486 / 536.61 0.91 [0.83 - 0.99]	392 / 421.21 0.93 [0.84 - 1.03]	460 / 488.87 0.94 [0.86 - 1.03]	462 / 606.14 0.76 [0.69 - 0.83]	1800 / 2052.83 0.88 [0.84 - 0.92]
Test for trend : Chi2= 6.20 p=0.013					
ALL MALIGNANT NEOPLASMS (140-208)	126 / 120.51 1.05 [0.87 - 1.24]	102 / 96.42 1.06 [0.86 - 1.28]	104 / 113.68 0.91 [0.75 - 1.11]	141 / 141.17 1.00 [0.84 - 1.18]	473 / 471.79 1.00 [0.91 - 1.10]
Test for trend : Chi2= 0.41 p=0.521					
Pleura (163)	0 / 0.63 0.00 [0.00 - 5.89]	1 / 0.44 2.28 [0.06 - 12.7]	2 / 0.45 4.47 [0.54 - 16.1]	5 / 0.59 8.44 [2.74 - 19.7]	8 / 2.11 3.80 [1.64 - 7.49]
Test for trend : Chi2= 5.94 p=0.015					
Lung (162)	33 / 31.75 1.04 [0.72 - 1.46]	25 / 23.89 1.05 [0.68 - 1.54]	24 / 27.15 0.88 [0.57 - 1.32]	35 / 31.14 1.12 [0.78 - 1.56]	117 / 113.93 1.03 [0.85 - 1.23]
Test for trend : Chi2= 0.02 p=0.888					
Other male genital organs (187)	0 / 0.17 0.00 [0.00 - 21.8]	1 / 0.13 7.51 [0.19 - 41.8]	0 / 0.15 0.00 [0.00 - 23.9]	1 / 0.19 5.35 [0.13 - 29.8]	2 / 0.64 3.11 [0.38 - 11.2]
Test for trend : Chi2= 0.29 p=0.591					
Ischaemic heart disease (410-414)	132 / 139.21 0.95 [0.79 - 1.12]	114 / 119.04 0.96 [0.79 - 1.15]	180 / 149.75 1.20 [1.03 - 1.39]	149 / 192.45 0.77 [0.65 - 0.91]	575 / 600.46 0.96 [0.88 - 1.04]
Test for trend : Chi2= 1.40 p=0.237					
Bronchitis, emphysema & asthma (490-493)	10 / 12.93 0.77 [0.37 - 1.42]	13 / 10.72 1.21 [0.65 - 2.07]	8 / 11.59 0.69 [0.30 - 1.36]	6 / 13.12 0.46 [0.17 - 1.00]	37 / 48.36 0.77 [0.54 - 1.05]
Test for trend : Chi2= 1.67 p=0.197					

Table 2.14.5

Mortality from selected causes by duration of high exposure to COMB (combustion products)

TOTAL COHORT

Duration of high exposure (years)	0 - 2	3 - 9	10 - 19	20+	Total
ALL CAUSES	1241 / 1314.11 0.94 [0.89 - 1.00]	1412 / 1390.06 1.02 [0.96 - 1.07]	1203 / 1344.08 0.90 [0.85 - 0.95]	1272 / 1605.54 0.79 [0.75 - 0.84]	5128 / 5653.79 0.91 [0.88 - 0.93]
Test for trend : Chi2= 28.70 p=0.000					
ALL MALIGNANT NEOPLASMS (140-208)	317 / 312.65 1.01 [0.91 - 1.13]	362 / 347.63 1.04 [0.94 - 1.15]	300 / 334.02 0.90 [0.80 - 1.01]	282 / 401.72 0.70 [0.62 - 0.79]	1261 / 1396.03 0.90 [0.85 - 0.95]
Test for trend : Chi2= 24.58 p=0.000					
Nose & sinuses (160)	1 / 0.85 1.18 [0.03 - 6.55]	3 / 1.05 2.86 [0.59 - 8.37]	3 / 1.27 2.37 [0.49 - 6.92]	0 / 2.02 0.00 [0.00 - 1.82]	7 / 5.19 1.35 [0.54 - 2.78]
Test for trend : Chi2= 1.88 p=0.170					
Larynx (161)	8 / 3.88 2.06 [0.89 - 4.06]	7 / 4.63 1.51 [0.61 - 3.12]	8 / 5.09 1.57 [0.68 - 3.10]	6 / 7.24 0.83 [0.30 - 1.80]	29 / 20.84 1.39 [0.93 - 2.00]
Test for trend : Chi2= 2.65 p=0.103					
Lung (162)	90 / 77.69 1.16 [0.93 - 1.42]	92 / 84.90 1.08 [0.87 - 1.33]	73 / 82.26 0.89 [0.70 - 1.12]	58 / 93.80 0.62 [0.47 - 0.80]	313 / 338.66 0.92 [0.82 - 1.03]
Test for trend : Chi2= 15.69 p=0.000					
Other male genital organs (187)	0 / 0.31 0.00 [0.00 - 11.9]	3 / 0.35 8.55 [1.76 - 25.0]	1 / 0.39 2.56 [0.06 - 14.3]	1 / 0.48 2.10 [0.05 - 11.7]	5 / 1.53 3.27 [1.06 - 7.63]
Test for trend : Chi2= 0.02 p=0.879					
Bladder (188)	14 / 8.53 1.64 [0.90 - 2.75]	11 / 11.18 0.98 [0.49 - 1.76]	9 / 11.94 0.75 [0.34 - 1.43]	8 / 14.40 0.56 [0.24 - 1.09]	42 / 46.04 0.91 [0.66 - 1.23]
Test for trend : Chi2= 6.67 p=0.010					
Ischaemic heart disease (410-414)	314 / 326.15 0.96 [0.86 - 1.08]	400 / 373.27 1.07 [0.97 - 1.18]	376 / 382.90 0.98 [0.89 - 1.09]	416 / 450.86 0.92 [0.84 - 1.02]	1506 / 1533.17 0.98 [0.93 - 1.03]
Test for trend : Chi2= 1.20 p=0.273					
Bronchitis,emphysema & asthma (490-493)	26 / 30.06 0.87 [0.57 - 1.27]	28 / 35.74 0.78 [0.52 - 1.13]	39 / 34.70 1.12 [0.80 - 1.54]	43 / 38.53 1.12 [0.81 - 1.50]	136 / 139.03 0.98 [0.82 - 1.16]
Test for trend : Chi2= 2.18 p=0.140					

TOTAL COHORT

Men

Duration of high exposure (years)	0 - 2	3 - 9	10 - 19	20+	Total
ALL CAUSES	1038 / 1116.46 0.93 [0.87 - 0.99]	1188 / 1164.70 1.02 [0.96 - 1.08]	1050 / 1195.95 0.88 [0.83 - 0.93]	1155 / 1470.26 0.79 [0.74 - 0.83]	4431 / 4947.38 0.90 [0.87 - 0.92]
Test for trend : Chi2= 25.77 p=0.000					
ALL MALIGNANT NEOPLASMS (140-208)	252 / 247.77 1.02 [0.90 - 1.15]	284 / 276.70 1.03 [0.91 - 1.15]	256 / 289.68 0.88 [0.78 - 1.00]	256 / 363.96 0.70 [0.62 - 0.80]	1048 / 1178.11 0.89 [0.84 - 0.95]
Test for trend : Chi2= 21.50 p=0.000					
Nose & sinuses (160)	1 / 0.76 1.31 [0.03 - 7.31]	3 / 0.95 3.16 [0.65 - 9.24]	3 / 1.20 2.50 [0.52 - 7.30]	0 / 1.96 0.00 [0.00 - 1.88]	7 / 4.88 1.44 [0.58 - 2.96]
Test for trend : Chi2= 2.15 p=0.143					
Larynx (161)	8 / 3.75 2.13 [0.92 - 4.21]	6 / 4.49 1.34 [0.49 - 2.91]	8 / 5.00 1.60 [0.69 - 3.15]	6 / 7.17 0.84 [0.31 - 1.82]	28 / 20.40 1.37 [0.91 - 1.98]
Test for trend : Chi2= 2.52 p=0.112					
Lung (162)	72 / 70.58 1.02 [0.80 - 1.28]	78 / 77.52 1.01 [0.80 - 1.26]	69 / 77.92 0.89 [0.69 - 1.12]	57 / 90.38 0.63 [0.48 - 0.82]	276 / 316.40 0.87 [0.77 - 0.98]
Test for trend : Chi2= 8.11 p=0.004					
Other male genital organs (187)	0 / 0.31 0.00 [0.00 - 11.9]	3 / 0.35 8.55 [1.76 - 25.0]	1 / 0.39 2.56 [0.06 - 14.3]	1 / 0.48 2.10 [0.05 - 11.7]	5 / 1.53 3.27 [1.06 - 7.63]
Test for trend : Chi2= 0.02 p=0.879					
Bladder (188)	12 / 7.70 1.56 [0.81 - 2.72]	10 / 10.16 0.98 [0.47 - 1.81]	8 / 11.22 0.71 [0.31 - 1.41]	8 / 13.71 0.58 [0.25 - 1.15]	38 / 42.78 0.89 [0.63 - 1.22]
Test for trend : Chi2= 5.25 p=0.022					
Ischaemic heart disease (410-414)	271 / 291.75 0.93 [0.82 - 1.05]	358 / 331.93 1.08 [0.97 - 1.20]	340 / 351.63 0.97 [0.87 - 1.08]	380 / 420.71 0.90 [0.81 - 1.00]	1349 / 1396.02 0.97 [0.92 - 1.02]
Test for trend : Chi2= 1.04 p=0.307					
Bronchitis,emphysema & asthma (490-493)	23 / 25.97 0.89 [0.56 - 1.33]	25 / 31.32 0.80 [0.52 - 1.18]	36 / 31.86 1.13 [0.79 - 1.56]	40 / 35.97 1.11 [0.79 - 1.51]	124 / 125.13 0.99 [0.82 - 1.18]
Test for trend : Chi2= 1.66 p=0.198					

Table 2.14.6
Mortality from selected causes by duration of high exposure to FORM (formaldehyde)

TOTAL COHORT

Duration of high exposure (years)	0 - 2	3 - 7	8 - 15	16+	Total
ALL CAUSES Test for trend : Chi2= 1.89 p=0.169	254 / 306.57 0.83 [0.73 - 0.94]	270 / 230.43 1.17 [1.04 - 1.32]	275 / 295.13 0.93 [0.82 - 1.05]	258 / 329.20 0.78 [0.69 - 0.89]	1057 / 1161.32 0.91 [0.86 - 0.97]
ALL MALIGNANT NEOPLASMS (140-208) Test for trend : Chi2= 0.04 p=0.848	61 / 71.70 0.85 [0.65 - 1.09]	61 / 57.28 1.06 [0.81 - 1.37]	68 / 72.75 0.93 [0.73 - 1.18]	67 / 78.18 0.86 [0.66 - 1.09]	257 / 279.92 0.92 [0.81 - 1.04]
Lung (162) Test for trend : Chi2= 0.00 p=0.975	19 / 17.72 1.07 [0.65 - 1.67]	13 / 14.00 0.93 [0.49 - 1.59]	17 / 17.48 0.97 [0.57 - 1.56]	19 / 17.68 1.07 [0.65 - 1.68]	68 / 66.89 1.02 [0.79 - 1.29]
Other male genital organs (187)	0 / 0.10 0.00 [0.00 - 37.3]	0 / 0.08 0.00 [0.00 - 45.2]	0 / 0.11 0.00 [0.00 - 33.0]	0 / 0.11 0.00 [0.00 - 32.2]	0 / 0.41 0.00 [0.00 - 9.07]
Ischaemic heart disease (410-414) Test for trend : Chi2= 2.03 p=0.154	78 / 76.21 1.02 [0.81 - 1.28]	84 / 67.10 1.25 [1.00 - 1.55]	101 / 90.95 1.11 [0.90 - 1.35]	84 / 98.67 0.85 [0.68 - 1.05]	347 / 332.93 1.04 [0.94 - 1.16]
Bronchitis,emphysema & asthma (490-493) Test for trend : Chi2= 0.01 p=0.915	5 / 6.93 0.72 [0.23 - 1.68]	9 / 6.14 1.47 [0.67 - 2.78]	9 / 8.04 1.12 [0.51 - 2.13]	7 / 7.80 0.90 [0.36 - 1.85]	30 / 28.91 1.04 [0.70 - 1.48]

TOTAL COHORT

Men

Duration of high exposure (years)	0 - 2	3 - 7	8 - 15	16+	Total
ALL CAUSES Test for trend : Chi2= 2.05 p=0.153	243 / 292.85 0.83 [0.73 - 0.94]	261 / 218.98 1.19 [1.05 - 1.35]	269 / 288.91 0.93 [0.82 - 1.05]	253 / 322.11 0.79 [0.69 - 0.89]	1026 / 1122.85 0.91 [0.86 - 0.97]
ALL MALIGNANT NEOPLASMS (140-208) Test for trend : Chi2= 0.04 p=0.848	56 / 67.16 0.83 [0.63 - 1.08]	58 / 54.40 1.07 [0.81 - 1.38]	64 / 70.66 0.91 [0.70 - 1.16]	65 / 76.43 0.85 [0.66 - 1.08]	243 / 268.65 0.90 [0.79 - 1.03]
Lung (162) Test for trend : Chi2= 0.01 p=0.908	19 / 17.34 1.10 [0.66 - 1.71]	12 / 13.81 0.87 [0.45 - 1.52]	17 / 17.30 0.98 [0.57 - 1.57]	18 / 17.56 1.02 [0.61 - 1.62]	66 / 66.02 1.00 [0.77 - 1.27]
Other male genital organs (187)	0 / 0.10 0.00 [0.00 - 37.3]	0 / 0.08 0.00 [0.00 - 45.2]	0 / 0.11 0.00 [0.00 - 33.0]	0 / 0.11 0.00 [0.00 - 32.2]	0 / 0.41 0.00 [0.00 - 9.07]
Ischaemic heart disease (410-414) Test for trend : Chi2= 2.36 p=0.125	76 / 73.84 1.03 [0.81 - 1.29]	83 / 64.81 1.28 [1.02 - 1.59]	100 / 89.83 1.11 [0.91 - 1.35]	82 / 97.04 0.84 [0.67 - 1.05]	341 / 325.53 1.05 [0.94 - 1.16]
Bronchitis,emphysema & asthma (490-493) Test for trend : Chi2= 0.00 p=0.952	5 / 6.69 0.75 [0.24 - 1.74]	9 / 5.99 1.50 [0.69 - 2.85]	9 / 7.90 1.14 [0.52 - 2.16]	7 / 7.71 0.91 [0.37 - 1.87]	30 / 28.29 1.06 [0.72 - 1.51]

Table 2.14.7

Mortality from selected causes by duration of high exposure to FUNG (fungal spores and bacteria)

TOTAL COHORT

Duration of high exposure (years)	0 - 2	3 - 7	8 - 19	20+	Total
ALL CAUSES	430 / 504.88 0.85 [0.77 - 0.94]	576 / 576.15 1.00 [0.92 - 1.08]	521 / 656.54 0.79 [0.73 - 0.86]	501 / 672.87 0.74 [0.68 - 0.81]	2028 / 2410.44 0.84 [0.81 - 0.88]
Test for trend : Chi2= 11.32 p=0.001					
ALL MALIGNANT NEOPLASMS (140-208)	101 / 115.72 0.87 [0.71 - 1.06]	138 / 143.13 0.96 [0.81 - 1.14]	129 / 163.31 0.79 [0.66 - 0.94]	121 / 164.73 0.73 [0.61 - 0.88]	489 / 586.89 0.83 [0.76 - 0.91]
Test for trend : Chi2= 3.37 p=0.067					
Lung (162)	28 / 28.65 0.98 [0.65 - 1.41]	39 / 34.79 1.12 [0.80 - 1.53]	34 / 39.42 0.86 [0.60 - 1.21]	25 / 35.56 0.70 [0.45 - 1.04]	126 / 138.41 0.91 [0.76 - 1.08]
Test for trend : Chi2= 2.33 p=0.127					
Other male genital organs (187)	0 / 0.13 0.00 [0.00 - 29.0]	1 / 0.15 6.82 [0.17 - 38.0]	1 / 0.18 5.69 [0.14 - 31.7]	0 / 0.20 0.00 [0.00 - 18.9]	2 / 0.65 3.10 [0.37 - 11.2]
Test for trend : Chi2= 0.05 p=0.816					
Non-Hodgkins lymphoma (200,202)	1 / 3.00 0.33 [0.01 - 1.86]	4 / 3.30 1.21 [0.33 - 3.10]	1 / 3.67 0.27 [0.01 - 1.52]	2 / 3.63 0.55 [0.07 - 1.99]	8 / 13.60 0.59 [0.25 - 1.16]
Test for trend : Chi2= 0.05 p=0.829					
Ischaemic heart disease (410-414)	109 / 131.15 0.83 [0.68 - 1.00]	172 / 158.09 1.09 [0.93 - 1.26]	169 / 185.34 0.91 [0.78 - 1.06]	146 / 185.84 0.79 [0.66 - 0.92]	596 / 660.42 0.90 [0.83 - 0.98]
Test for trend : Chi2= 1.47 p=0.225					
Bronchitis,emphysema & asthma (490-493)	10 / 10.95 0.91 [0.44 - 1.68]	15 / 14.12 1.06 [0.59 - 1.75]	15 / 16.56 0.91 [0.51 - 1.49]	15 / 15.78 0.95 [0.53 - 1.57]	55 / 57.40 0.96 [0.72 - 1.25]
Test for trend : Chi2= 0.01 p=0.939					

TOTAL COHORT

Men

Duration of high exposure (years)	0 - 2	3 - 7	8 - 19	20+	Total
ALL CAUSES	374 / 456.74 0.82 [0.74 - 0.91]	522 / 514.49 1.01 [0.93 - 1.11]	467 / 590.86 0.79 [0.72 - 0.87]	469 / 630.33 0.74 [0.68 - 0.81]	1832 / 2192.42 0.84 [0.80 - 0.87]
Test for trend : Chi2= 8.07 p=0.004					
ALL MALIGNANT NEOPLASMS (140-208)	85 / 100.57 0.85 [0.68 - 1.05]	120 / 123.55 0.97 [0.81 - 1.16]	115 / 143.72 0.80 [0.66 - 0.96]	113 / 151.60 0.75 [0.61 - 0.90]	433 / 519.44 0.83 [0.76 - 0.92]
Test for trend : Chi2= 2.07 p=0.150					
Lung (162)	25 / 27.05 0.92 [0.60 - 1.36]	33 / 32.53 1.01 [0.70 - 1.42]	31 / 37.35 0.83 [0.56 - 1.18]	24 / 34.12 0.70 [0.45 - 1.05]	113 / 131.04 0.86 [0.71 - 1.04]
Test for trend : Chi2= 1.42 p=0.233					
Other male genital organs (187)	0 / 0.13 0.00 [0.00 - 29.0]	1 / 0.15 6.82 [0.17 - 38.0]	1 / 0.18 5.69 [0.14 - 31.7]	0 / 0.20 0.00 [0.00 - 18.9]	2 / 0.65 3.10 [0.37 - 11.2]
Test for trend : Chi2= 0.05 p=0.816					
Non-Hodgkins lymphoma (200,202)	1 / 2.68 0.37 [0.01 - 2.08]	4 / 2.90 1.38 [0.38 - 3.53]	1 / 3.29 0.30 [0.01 - 1.69]	2 / 3.36 0.60 [0.07 - 2.15]	8 / 12.23 0.65 [0.28 - 1.29]
Test for trend : Chi2= 0.06 p=0.800					
Ischaemic heart disease (410-414)	95 / 121.96 0.78 [0.63 - 0.95]	157 / 146.00 1.08 [0.91 - 1.26]	155 / 170.84 0.91 [0.77 - 1.06]	134 / 176.45 0.76 [0.64 - 0.90]	541 / 615.26 0.88 [0.81 - 0.96]
Test for trend : Chi2= 0.99 p=0.320					
Bronchitis,emphysema & asthma (490-493)	10 / 9.89 1.01 [0.48 - 1.86]	14 / 12.60 1.11 [0.61 - 1.86]	13 / 15.03 0.86 [0.46 - 1.48]	13 / 14.66 0.89 [0.47 - 1.52]	50 / 52.18 0.96 [0.71 - 1.26]
Test for trend : Chi2= 0.28 p=0.598					

Table 2.14.8

Mortality from selected causes by duration of high exposure to OILD (oils and synthetic fluids, dermal)

TOTAL COHORT

Duration of high exposure (years)	0 - 3	4 - 12	13 - 24	25+	Total
ALL CAUSES	819 / 947.50 0.86 [0.81 - 0.93]	813 / 847.07 0.96 [0.89 - 1.03]	749 / 845.35 0.89 [0.82 - 0.95]	813 / 1055.57 0.77 [0.72 - 0.83]	3194 / 3695.49 0.86 [0.83 - 0.89]
Test for trend : Chi2= 7.64 p=0.006					
ALL MALIGNANT NEOPLASMS (140-208)	192 / 203.32 0.94 [0.82 - 1.09]	199 / 191.19 1.04 [0.90 - 1.20]	186 / 200.45 0.93 [0.80 - 1.07]	228 / 254.88 0.89 [0.78 - 1.02]	805 / 849.84 0.95 [0.88 - 1.02]
Test for trend : Chi2= 0.86 p=0.355					
Lung (162)	54 / 53.90 1.00 [0.75 - 1.31]	58 / 48.75 1.19 [0.90 - 1.54]	61 / 52.31 1.17 [0.89 - 1.50]	52 / 63.55 0.82 [0.61 - 1.07]	225 / 218.51 1.03 [0.90 - 1.17]
Test for trend : Chi2= 1.12 p=0.290					
Pleura (163)	2 / 0.93 2.15 [0.26 - 7.77]	1 / 0.84 1.19 [0.03 - 6.66]	3 / 0.81 3.70 [0.76 - 10.8]	7 / 1.07 6.56 [2.64 - 13.5]	13 / 3.65 3.57 [1.90 - 6.10]
Test for trend : Chi2= 3.50 p=0.061					
Other male genital organs (187)	1 / 0.24 4.19 [0.10 - 23.3]	0 / 0.23 0.00 [0.00 - 16.3]	0 / 0.24 0.00 [0.00 - 15.6]	1 / 0.31 3.21 [0.08 - 17.9]	2 / 1.01 1.98 [0.24 - 7.14]
Test for trend : Chi2= 0.02 p=0.890					
Bladder (188)	6 / 6.05 0.99 [0.36 - 2.16]	10 / 6.05 1.65 [0.79 - 3.04]	5 / 6.54 0.76 [0.25 - 1.78]	10 / 8.64 1.16 [0.55 - 2.13]	31 / 27.28 1.14 [0.77 - 1.61]
Test for trend : Chi2= 0.04 p=0.850					
Ischaemic heart disease (410-414)	227 / 253.86 0.89 [0.78 - 1.02]	226 / 234.31 0.96 [0.84 - 1.10]	251 / 249.45 1.01 [0.89 - 1.14]	268 / 317.53 0.84 [0.75 - 0.95]	972 / 1055.14 0.92 [0.86 - 0.98]
Test for trend : Chi2= 0.34 p=0.559					
Bronchitis,emphysema & asthma (490-493)	18 / 20.72 0.87 [0.51 - 1.37]	20 / 18.92 1.06 [0.65 - 1.63]	15 / 19.68 0.76 [0.43 - 1.26]	12 / 23.78 0.50 [0.26 - 0.88]	65 / 83.11 0.78 [0.60 - 1.00]
Test for trend : Chi2= 2.77 p=0.096					

TOTAL COHORT

Men

Duration of high exposure (years)	0 - 3	4 - 12	13 - 24	25+	Total
ALL CAUSES	771 / 890.11 0.87 [0.81 - 0.93]	785 / 815.18 0.96 [0.90 - 1.03]	734 / 830.60 0.88 [0.82 - 0.95]	811 / 1052.79 0.77 [0.72 - 0.83]	3101 / 3588.68 0.86 [0.83 - 0.90]
Test for trend : Chi2= 8.14 p=0.004					
ALL MALIGNANT NEOPLASMS (140-208)	181 / 189.93 0.95 [0.82 - 1.10]	189 / 182.50 1.04 [0.89 - 1.19]	179 / 196.07 0.91 [0.78 - 1.06]	228 / 254.09 0.90 [0.78 - 1.02]	777 / 822.60 0.94 [0.88 - 1.01]
Test for trend : Chi2= 0.99 p=0.319					
Lung (162)	53 / 53.01 1.00 [0.75 - 1.31]	56 / 48.06 1.17 [0.88 - 1.51]	59 / 51.96 1.14 [0.86 - 1.46]	52 / 63.49 0.82 [0.61 - 1.07]	220 / 216.52 1.02 [0.89 - 1.16]
Test for trend : Chi2= 1.11 p=0.292					
Pleura (163)	1 / 0.90 1.11 [0.03 - 6.18]	1 / 0.82 1.22 [0.03 - 6.79]	3 / 0.80 3.73 [0.77 - 10.9]	7 / 1.07 6.56 [2.64 - 13.5]	12 / 3.59 3.34 [1.73 - 5.83]
Test for trend : Chi2= 5.26 p=0.022					
Other male genital organs (187)	1 / 0.24 4.19 [0.10 - 23.3]	0 / 0.23 0.00 [0.00 - 16.3]	0 / 0.24 0.00 [0.00 - 15.6]	1 / 0.31 3.21 [0.08 - 17.9]	2 / 1.01 1.98 [0.24 - 7.14]
Test for trend : Chi2= 0.02 p=0.890					
Bladder (188)	6 / 5.88 1.02 [0.37 - 2.22]	10 / 5.94 1.68 [0.81 - 3.10]	5 / 6.49 0.77 [0.25 - 1.80]	10 / 8.63 1.16 [0.56 - 2.13]	31 / 26.93 1.15 [0.78 - 1.63]
Test for trend : Chi2= 0.06 p=0.805					
Ischaemic heart disease (410-414)	214 / 240.39 0.89 [0.77 - 1.02]	223 / 227.10 0.98 [0.86 - 1.12]	249 / 246.21 1.01 [0.89 - 1.15]	267 / 316.96 0.84 [0.74 - 0.95]	953 / 1030.66 0.92 [0.87 - 0.99]
Test for trend : Chi2= 0.40 p=0.525					
Bronchitis,emphysema & asthma (490-493)	16 / 20.05 0.80 [0.46 - 1.30]	20 / 18.46 1.08 [0.66 - 1.67]	15 / 19.47 0.77 [0.43 - 1.27]	12 / 23.74 0.51 [0.26 - 0.88]	63 / 81.72 0.77 [0.59 - 0.99]
Test for trend : Chi2= 2.09 p=0.149					

Table 2.14.9

Mortality from selected causes by duration of high exposure to OILI (oils and synthetic fluids, inhalatory)

TOTAL COHORT

Duration of high exposure (years)	0 - 8	9 - 14	15 - 21	22+	Total
ALL CAUSES Test for trend : Chi2= 0.04 p=0.838	39 / 41.56 0.94 [0.67 - 1.28]	41 / 31.23 1.31 [0.94 - 1.78]	41 / 33.16 1.24 [0.89 - 1.68]	42 / 41.79 1.01 [0.72 - 1.36]	163 / 147.74 1.10 [0.94 - 1.29]
ALL MALIGNANT NEOPLASMS (140-208) Test for trend : Chi2= 0.59 p=0.443	12 / 9.06 1.32 [0.68 - 2.31]	15 / 8.80 1.71 [0.95 - 2.81]	9 / 10.02 0.90 [0.41 - 1.71]	15 / 12.77 1.17 [0.66 - 1.94]	51 / 40.65 1.25 [0.93 - 1.65]
Lung (162) Test for trend : Chi2= 0.56 p=0.452	0 / 1.88 0.00 [0.00 - 1.96]	7 / 2.41 2.90 [1.17 - 5.98]	3 / 2.90 1.03 [0.21 - 3.02]	7 / 3.95 1.77 [0.71 - 3.65]	17 / 11.14 1.53 [0.89 - 2.44]
Other male genital organs (187)	0 / 0.01 0.00 [0.00 - 0700]	0 / 0.01 0.00 [0.00 - 0520]	0 / 0.01 0.00 [0.00 - 0454]	0 / 0.01 0.00 [0.00 - 0323]	0 / 0.03 0.00 [0.00 - 0116]
Ischaemic heart disease (410-414) Test for trend : Chi2= 0.08 p=0.777	10 / 7.84 1.27 [0.61 - 2.34]	8 / 9.62 0.83 [0.36 - 1.64]	15 / 11.16 1.34 [0.75 - 2.22]	18 / 14.87 1.21 [0.72 - 1.91]	51 / 43.49 1.17 [0.87 - 1.54]
Bronchitis,emphysema & asthma (490-493) Test for trend : Chi2= 0.10 p=0.748	1 / 0.89 1.12 [0.03 - 6.23]	3 / 0.81 3.73 [0.77 - 10.9]	3 / 0.90 3.32 [0.69 - 9.71]	1 / 1.19 0.84 [0.02 - 4.67]	8 / 3.80 2.11 [0.91 - 4.15]

TOTAL COHORT

Men

Duration of high exposure (years)	0 - 8	9 - 14	15 - 21	22+	Total
ALL CAUSES Test for trend : Chi2= 0.08 p=0.778	37 / 39.54 0.94 [0.66 - 1.29]	40 / 30.36 1.32 [0.94 - 1.79]	41 / 31.66 1.30 [0.93 - 1.76]	42 / 41.37 1.02 [0.73 - 1.37]	160 / 142.92 1.12 [0.95 - 1.31]
ALL MALIGNANT NEOPLASMS (140-208) Test for trend : Chi2= 0.28 p=0.596	10 / 8.34 1.20 [0.57 - 2.20]	15 / 8.44 1.78 [1.00 - 2.93]	9 / 9.42 0.96 [0.44 - 1.81]	15 / 12.62 1.19 [0.67 - 1.96]	49 / 38.81 1.26 [0.93 - 1.67]
Lung (162) Test for trend : Chi2= 0.51 p=0.475	0 / 1.82 0.00 [0.00 - 2.03]	7 / 2.36 2.96 [1.19 - 6.11]	3 / 2.81 1.07 [0.22 - 3.12]	7 / 3.92 1.78 [0.72 - 3.68]	17 / 10.91 1.56 [0.91 - 2.50]
Other male genital organs (187)	0 / 0.01 0.00 [0.00 - 0700]	0 / 0.01 0.00 [0.00 - 0520]	0 / 0.01 0.00 [0.00 - 0454]	0 / 0.01 0.00 [0.00 - 0323]	0 / 0.03 0.00 [0.00 - 0116]
Ischaemic heart disease (410-414) Test for trend : Chi2= 0.07 p=0.797	10 / 7.70 1.30 [0.62 - 2.39]	8 / 9.46 0.85 [0.37 - 1.67]	15 / 10.82 1.39 [0.78 - 2.29]	18 / 14.76 1.22 [0.72 - 1.93]	51 / 42.74 1.19 [0.89 - 1.57]
Bronchitis,emphysema & asthma (490-493) Test for trend : Chi2= 0.16 p=0.690	1 / 0.82 1.23 [0.03 - 6.83]	3 / 0.78 3.86 [0.80 - 11.3]	3 / 0.86 3.49 [0.72 - 10.2]	1 / 1.18 0.85 [0.02 - 4.71]	8 / 3.64 2.20 [0.95 - 4.34]

Table 2.14.10

Mortality from selected causes by duration of high exposure to PUPA (pulp or paper dust)

TOTAL COHORT

Duration of high exposure (years)	0 - 3	4 - 10	11 - 22	23+	Total
ALL CAUSES	2193 / 2174.79 1.01 [0.97 - 1.05]	1957 / 1848.17 1.06 [1.01 - 1.11]	1971 / 2118.68 0.93 [0.89 - 0.97]	1991 / 2580.04 0.77 [0.74 - 0.81]	8112 / 8721.69 0.93 [0.91 - 0.95]
Test for trend : Chi2= 90.12 p=0.000					
ALL MALIGNANT NEOPLASMS (140-208)	534 / 523.23 1.02 [0.94 - 1.11]	497 / 458.29 1.08 [0.99 - 1.18]	511 / 519.09 0.98 [0.90 - 1.07]	490 / 626.30 0.78 [0.71 - 0.85]	2032 / 2126.91 0.96 [0.91 - 1.00]
Test for trend : Chi2= 20.67 p=0.000					
Oral cavity & pharynx (140-149)	9 / 11.20 0.80 [0.37 - 1.53]	9 / 9.74 0.92 [0.42 - 1.76]	9 / 11.90 0.76 [0.35 - 1.44]	8 / 16.17 0.49 [0.21 - 0.97]	35 / 49.00 0.71 [0.50 - 0.99]
Test for trend : Chi2= 1.24 p=0.266					
Larynx (161)	8 / 5.80 1.38 [0.60 - 2.72]	10 / 5.10 1.96 [0.94 - 3.60]	7 / 6.50 1.08 [0.43 - 2.22]	4 / 8.82 0.45 [0.12 - 1.16]	29 / 26.23 1.11 [0.74 - 1.59]
Test for trend : Chi2= 4.59 p=0.032					
Lung (162)	137 / 128.10 1.07 [0.90 - 1.26]	135 / 106.36 1.27 [1.06 - 1.50]	139 / 120.05 1.16 [0.97 - 1.37]	116 / 148.68 0.78 [0.64 - 0.94]	527 / 503.18 1.05 [0.96 - 1.14]
Test for trend : Chi2= 6.72 p=0.010					
Pleura (163)	2 / 2.34 0.85 [0.10 - 3.08]	2 / 1.94 1.03 [0.12 - 3.72]	5 / 2.06 2.42 [0.79 - 5.65]	5 / 2.53 1.97 [0.64 - 4.60]	14 / 8.88 1.58 [0.86 - 2.64]
Test for trend : Chi2= 1.58 p=0.209					
Other male genital organs (187)	2 / 0.56 3.59 [0.43 - 13.0]	2 / 0.49 4.06 [0.49 - 14.7]	0 / 0.59 0.00 [0.00 - 6.23]	1 / 0.74 1.35 [0.03 - 7.53]	5 / 2.38 2.10 [0.68 - 4.90]
Test for trend : Chi2= 1.53 p=0.216					
Ischaemic heart disease (410-414)	549 / 561.48 0.98 [0.90 - 1.06]	557 / 504.34 1.10 [1.01 - 1.20]	632 / 604.06 1.05 [0.97 - 1.13]	651 / 751.21 0.87 [0.80 - 0.94]	2389 / 2421.09 0.99 [0.95 - 1.03]
Test for trend : Chi2= 6.20 p=0.013					
Bronchitis,emphysema & asthma (490-493)	60 / 49.87 1.20 [0.92 - 1.55]	47 / 44.73 1.05 [0.77 - 1.40]	49 / 49.76 0.98 [0.73 - 1.30]	38 / 58.08 0.65 [0.46 - 0.90]	194 / 202.44 0.96 [0.83 - 1.10]
Test for trend : Chi2= 8.39 p=0.004					

TOTAL COHORT

Men

Duration of high exposure (years)	0 - 3	4 - 10	11 - 22	23+	Total
ALL CAUSES	1865 / 1842.13 1.01 [0.97 - 1.06]	1655 / 1534.76 1.08 [1.03 - 1.13]	1695 / 1830.61 0.93 [0.88 - 0.97]	1824 / 2385.81 0.76 [0.73 - 0.80]	7039 / 7593.31 0.93 [0.91 - 0.95]
Test for trend : Chi2= 92.09 p=0.000					
ALL MALIGNANT NEOPLASMS (140-208)	423 / 417.14 1.01 [0.92 - 1.12]	403 / 364.10 1.11 [1.00 - 1.22]	428 / 435.83 0.98 [0.89 - 1.08]	444 / 575.27 0.77 [0.70 - 0.85]	1698 / 1792.34 0.95 [0.90 - 0.99]
Test for trend : Chi2= 20.34 p=0.000					
Oral cavity & pharynx (140-149)	9 / 10.18 0.88 [0.40 - 1.68]	9 / 8.83 1.02 [0.47 - 1.94]	8 / 11.08 0.72 [0.31 - 1.42]	8 / 15.65 0.51 [0.22 - 1.01]	34 / 45.74 0.74 [0.51 - 1.04]
Test for trend : Chi2= 1.75 p=0.185					
Larynx (161)	8 / 5.59 1.43 [0.62 - 2.82]	9 / 4.93 1.83 [0.83 - 3.47]	7 / 6.35 1.10 [0.44 - 2.27]	4 / 8.73 0.46 [0.12 - 1.17]	28 / 25.60 1.09 [0.73 - 1.58]
Test for trend : Chi2= 4.51 p=0.034					
Lung (162)	116 / 117.29 0.99 [0.82 - 1.19]	119 / 97.37 1.22 [1.01 - 1.46]	129 / 112.71 1.14 [0.96 - 1.36]	115 / 144.70 0.79 [0.66 - 0.95]	479 / 472.07 1.01 [0.93 - 1.11]
Test for trend : Chi2= 3.28 p=0.070					
Pleura (163)	1 / 2.17 0.46 [0.01 - 2.57]	2 / 1.79 1.11 [0.13 - 4.03]	5 / 1.93 2.59 [0.84 - 6.04]	4 / 2.45 1.63 [0.44 - 4.18]	12 / 8.35 1.44 [0.74 - 2.51]
Test for trend : Chi2= 1.73 p=0.189					
Other male genital organs (187)	2 / 0.56 3.59 [0.43 - 13.0]	2 / 0.49 4.06 [0.49 - 14.7]	0 / 0.59 0.00 [0.00 - 6.23]	1 / 0.74 1.35 [0.03 - 7.53]	5 / 2.38 2.10 [0.68 - 4.90]
Test for trend : Chi2= 1.53 p=0.216					
Ischaemic heart disease (410-414)	481 / 502.52 0.96 [0.87 - 1.05]	484 / 443.14 1.09 [1.00 - 1.19]	569 / 543.08 1.05 [0.96 - 1.14]	612 / 708.46 0.86 [0.80 - 0.94]	2146 / 2197.21 0.98 [0.94 - 1.02]
Test for trend : Chi2= 4.37 p=0.037					
Bronchitis,emphysema & asthma (490-493)	55 / 43.50 1.26 [0.95 - 1.65]	46 / 39.22 1.17 [0.86 - 1.56]	44 / 44.95 0.98 [0.71 - 1.31]	34 / 55.11 0.62 [0.43 - 0.86]	179 / 182.78 0.98 [0.84 - 1.13]
Test for trend : Chi2= 11.63 p=0.001					

Table 2.14.11
Mortality from selected causes by duration of high exposure to SO₂ (sulfure dioxide)

TOTAL COHORT

Duration of high exposure (years)	0 - 3	4 - 10	11 - 23	24+	Total
ALL CAUSES Test for trend : Chi2= 0.82 p=0.366	169 / 207.45 0.81 [0.70 - 0.95]	168 / 161.04 1.04 [0.89 - 1.21]	168 / 185.93 0.90 [0.77 - 1.05]	176 / 187.13 0.94 [0.81 - 1.09]	681 / 741.55 0.92 [0.85 - 0.99]
ALL MALIGNANT NEOPLASMS (140-208) Test for trend : Chi2= 0.00 p=1.000	45 / 46.25 0.97 [0.71 - 1.30]	38 / 39.27 0.97 [0.68 - 1.33]	35 / 44.85 0.78 [0.54 - 1.09]	43 / 41.19 1.04 [0.76 - 1.41]	161 / 171.56 0.94 [0.80 - 1.10]
Lung (162) Test for trend : Chi2= 0.82 p=0.365	14 / 11.79 1.19 [0.65 - 1.99]	17 / 9.92 1.71 [1.00 - 2.74]	12 / 10.88 1.10 [0.57 - 1.93]	15 / 7.53 1.99 [1.11 - 3.29]	58 / 40.11 1.45 [1.10 - 1.87]
Other male genital organs (187) Test for trend : Chi2= 0.28 p=0.598	0 / 0.05 0.00 [0.00 - 73.1]	1 / 0.05 21.40 [0.53 - 0119]	0 / 0.06 0.00 [0.00 - 66.7]	0 / 0.06 0.00 [0.00 - 59.9]	1 / 0.21 4.67 [0.12 - 26.0]
Ischaemic heart disease (410-414) Test for trend : Chi2= 0.01 p=0.923	53 / 59.19 0.90 [0.67 - 1.17]	61 / 50.46 1.21 [0.92 - 1.55]	57 / 57.41 0.99 [0.75 - 1.29]	55 / 58.64 0.94 [0.71 - 1.22]	226 / 225.71 1.00 [0.87 - 1.14]
Bronchitis,emphysema & asthma (490-493) Test for trend : Chi2= 1.59 p=0.207	5 / 5.11 0.98 [0.32 - 2.28]	3 / 4.04 0.74 [0.15 - 2.17]	3 / 4.42 0.68 [0.14 - 1.98]	1 / 3.95 0.25 [0.01 - 1.41]	12 / 17.51 0.69 [0.35 - 1.20]

TOTAL COHORT

Men

Duration of high exposure (years)	0 - 3	4 - 10	11 - 23	24+	Total
ALL CAUSES Test for trend : Chi2= 0.38 p=0.539	162 / 193.18 0.84 [0.71 - 0.98]	167 / 159.20 1.05 [0.90 - 1.22]	168 / 184.50 0.91 [0.78 - 1.06]	176 / 187.13 0.94 [0.81 - 1.09]	673 / 724.01 0.93 [0.86 - 1.00]
ALL MALIGNANT NEOPLASMS (140-208) Test for trend : Chi2= 0.01 p=0.940	41 / 42.83 0.96 [0.69 - 1.30]	38 / 38.55 0.99 [0.70 - 1.35]	35 / 44.38 0.79 [0.55 - 1.10]	43 / 41.19 1.04 [0.76 - 1.41]	157 / 166.94 0.94 [0.80 - 1.10]
Lung (162) Test for trend : Chi2= 0.73 p=0.394	14 / 11.55 1.21 [0.66 - 2.03]	17 / 9.85 1.73 [1.01 - 2.76]	12 / 10.84 1.11 [0.57 - 1.93]	15 / 7.53 1.99 [1.11 - 3.29]	58 / 39.77 1.46 [1.11 - 1.89]
Other male genital organs (187) Test for trend : Chi2= 0.28 p=0.598	0 / 0.05 0.00 [0.00 - 73.1]	1 / 0.05 21.40 [0.53 - 0119]	0 / 0.06 0.00 [0.00 - 66.7]	0 / 0.06 0.00 [0.00 - 59.9]	1 / 0.21 4.67 [0.12 - 26.0]
Ischaemic heart disease (410-414) Test for trend : Chi2= 0.02 p=0.896	50 / 55.51 0.90 [0.67 - 1.19]	60 / 50.14 1.20 [0.91 - 1.54]	57 / 57.12 1.00 [0.76 - 1.29]	55 / 58.64 0.94 [0.71 - 1.22]	222 / 221.41 1.00 [0.88 - 1.14]
Bronchitis,emphysema & asthma (490-493) Test for trend : Chi2= 1.70 p=0.193	5 / 4.95 1.01 [0.33 - 2.36]	3 / 4.00 0.75 [0.15 - 2.19]	3 / 4.40 0.68 [0.14 - 1.99]	1 / 3.95 0.25 [0.01 - 1.41]	12 / 17.30 0.69 [0.36 - 1.21]

Table 2.14.12

Mortality from selected causes by duration of high exposure to SOLD (nonchlorinated organic solvent, dermal)

TOTAL COHORT

Duration of high exposure (years)	0 - 3	4 - 11	12 - 24	25+	Total
ALL CAUSES	991 / 1103.97 0.90 [0.84 - 0.96]	952 / 957.44 0.99 [0.93 - 1.06]	991 / 1098.11 0.90 [0.85 - 0.96]	928 / 1196.05 0.78 [0.73 - 0.83]	3862 / 4355.56 0.89 [0.86 - 0.92]
Test for trend : Chi2= 13.41 p=0.000					
ALL MALIGNANT NEOPLASMS (140-208)	237 / 238.96 0.99 [0.87 - 1.13]	231 / 218.69 1.06 [0.92 - 1.20]	260 / 261.97 0.99 [0.88 - 1.12]	244 / 287.06 0.85 [0.75 - 0.96]	972 / 1006.68 0.97 [0.91 - 1.03]
Test for trend : Chi2= 3.44 p=0.064					
Lung (162)	68 / 61.06 1.11 [0.86 - 1.41]	65 / 53.75 1.21 [0.93 - 1.54]	79 / 66.21 1.19 [0.94 - 1.49]	56 / 69.69 0.80 [0.61 - 1.04]	268 / 250.71 1.07 [0.94 - 1.20]
Test for trend : Chi2= 2.88 p=0.090					
Pleura (163)	2 / 1.13 1.78 [0.21 - 6.41]	1 / 0.98 1.02 [0.03 - 5.67]	3 / 1.08 2.78 [0.57 - 8.12]	7 / 1.23 5.70 [2.29 - 11.7]	13 / 4.42 2.94 [1.57 - 5.03]
Test for trend : Chi2= 3.66 p=0.056					
Soft tissue (171)	0 / 1.26 0.00 [0.00 - 2.94]	2 / 1.04 1.91 [0.23 - 6.92]	0 / 1.13 0.00 [0.00 - 3.25]	2 / 1.18 1.69 [0.20 - 6.12]	4 / 4.62 0.87 [0.24 - 2.22]
Test for trend : Chi2= 0.81 p=0.368					
Other male genital organs (187)	1 / 0.29 3.47 [0.09 - 19.4]	0 / 0.26 0.00 [0.00 - 14.0]	0 / 0.32 0.00 [0.00 - 11.6]	1 / 0.36 2.80 [0.07 - 15.6]	2 / 1.23 1.63 [0.20 - 5.89]
Test for trend : Chi2= 0.02 p=0.893					
Ischaemic heart disease (410-414)	262 / 291.88 0.90 [0.79 - 1.01]	264 / 265.88 0.99 [0.88 - 1.12]	323 / 321.74 1.00 [0.90 - 1.12]	325 / 363.40 0.89 [0.80 - 1.00]	1174 / 1242.90 0.94 [0.89 - 1.00]
Test for trend : Chi2= 0.01 p=0.924					
Bronchitis,emphysema & asthma (490-493)	21 / 23.31 0.90 [0.56 - 1.38]	26 / 21.21 1.23 [0.80 - 1.80]	17 / 24.64 0.69 [0.40 - 1.10]	15 / 26.84 0.56 [0.31 - 0.92]	79 / 96.01 0.82 [0.65 - 1.03]
Test for trend : Chi2= 3.64 p=0.056					

TOTAL COHORT

Men

Duration of high exposure (years)	0 - 3	4 - 11	12 - 24	25+	Total
ALL CAUSES	936 / 1042.35 0.90 [0.84 - 0.96]	919 / 920.55 1.00 [0.93 - 1.07]	974 / 1079.34 0.90 [0.85 - 0.96]	925 / 1192.66 0.78 [0.73 - 0.83]	3754 / 4234.89 0.89 [0.86 - 0.92]
Test for trend : Chi2= 13.77 p=0.000					
ALL MALIGNANT NEOPLASMS (140-208)	221 / 224.12 0.99 [0.86 - 1.13]	219 / 208.69 1.05 [0.92 - 1.20]	252 / 256.61 0.98 [0.86 - 1.11]	244 / 286.05 0.85 [0.75 - 0.97]	936 / 975.47 0.96 [0.90 - 1.02]
Test for trend : Chi2= 3.11 p=0.078					
Lung (162)	66 / 60.07 1.10 [0.85 - 1.40]	63 / 52.98 1.19 [0.91 - 1.52]	77 / 65.79 1.17 [0.92 - 1.46]	56 / 69.61 0.80 [0.61 - 1.04]	262 / 248.45 1.05 [0.93 - 1.19]
Test for trend : Chi2= 2.64 p=0.104					
Pleura (163)	1 / 1.10 0.91 [0.02 - 5.09]	1 / 0.97 1.04 [0.03 - 5.77]	3 / 1.07 2.80 [0.58 - 8.18]	7 / 1.23 5.71 [2.29 - 11.8]	12 / 4.36 2.75 [1.42 - 4.81]
Test for trend : Chi2= 5.50 p=0.019					
Soft tissue (171)	0 / 1.18 0.00 [0.00 - 3.14]	2 / 1.00 2.01 [0.24 - 7.26]	0 / 1.11 0.00 [0.00 - 3.33]	2 / 1.18 1.70 [0.21 - 6.14]	4 / 4.46 0.90 [0.24 - 2.30]
Test for trend : Chi2= 0.73 p=0.393					
Other male genital organs (187)	1 / 0.29 3.47 [0.09 - 19.4]	0 / 0.26 0.00 [0.00 - 14.0]	0 / 0.32 0.00 [0.00 - 11.6]	1 / 0.36 2.80 [0.07 - 15.6]	2 / 1.23 1.63 [0.20 - 5.89]
Test for trend : Chi2= 0.02 p=0.893					
Ischaemic heart disease (410-414)	249 / 277.94 0.90 [0.79 - 1.01]	259 / 258.07 1.00 [0.89 - 1.13]	321 / 317.53 1.01 [0.90 - 1.13]	324 / 362.72 0.89 [0.80 - 1.00]	1153 / 1216.26 0.95 [0.89 - 1.00]
Test for trend : Chi2= 0.02 p=0.892					
Bronchitis,emphysema & asthma (490-493)	19 / 22.59 0.84 [0.51 - 1.31]	26 / 20.68 1.26 [0.82 - 1.84]	17 / 24.38 0.70 [0.41 - 1.12]	15 / 26.79 0.56 [0.31 - 0.92]	77 / 94.44 0.82 [0.64 - 1.02]
Test for trend : Chi2= 2.96 p=0.085					

Table 2.14.13

Mortality from selected causes by duration of high exposure to SOLI (nonchlorinated organic solvent, inhalatory)

TOTAL COHORT

Duration of high exposure (years)	0 - 3	4 - 11	12 - 23	24+	Total
ALL CAUSES	1140 / 1251.43 0.91 [0.86 - 0.97]	1083 / 1087.18 1.00 [0.94 - 1.06]	1086 / 1180.05 0.92 [0.87 - 0.98]	1080 / 1368.74 0.79 [0.74 - 0.84]	4389 / 4887.40 0.90 [0.87 - 0.92]
Test for trend : Chi2= 14.34 p=0.000					
ALL MALIGNANT NEOPLASMS (140-208)	274 / 273.99 1.00 [0.89 - 1.13]	257 / 249.59 1.03 [0.91 - 1.16]	270 / 282.66 0.96 [0.84 - 1.08]	288 / 328.26 0.88 [0.78 - 0.98]	1089 / 1134.51 0.96 [0.90 - 1.02]
Test for trend : Chi2= 3.12 p=0.078					
Lung (162)	76 / 68.77 1.11 [0.87 - 1.38]	71 / 59.81 1.19 [0.93 - 1.50]	75 / 69.53 1.08 [0.85 - 1.35]	68 / 78.76 0.86 [0.67 - 1.09]	290 / 276.86 1.05 [0.93 - 1.18]
Test for trend : Chi2= 2.50 p=0.114					
Soft tissue (171)	2 / 1.45 1.38 [0.17 - 4.99]	2 / 1.18 1.70 [0.21 - 6.13]	1 / 1.21 0.82 [0.02 - 4.59]	2 / 1.37 1.46 [0.18 - 5.29]	7 / 5.21 1.34 [0.54 - 2.77]
Test for trend : Chi2= 0.01 p=0.907					
Other male genital organs (187)	1 / 0.33 2.99 [0.07 - 16.6]	1 / 0.30 3.33 [0.08 - 18.5]	0 / 0.35 0.00 [0.00 - 10.6]	1 / 0.41 2.44 [0.06 - 13.6]	3 / 1.39 2.15 [0.44 - 6.30]
Test for trend : Chi2= 0.16 p=0.689					
Non-Hodgkins lymphoma (200,202)	6 / 7.67 0.78 [0.29 - 1.70]	6 / 6.47 0.93 [0.34 - 2.02]	5 / 6.94 0.72 [0.23 - 1.68]	6 / 8.15 0.74 [0.27 - 1.60]	23 / 29.24 0.79 [0.50 - 1.18]
Test for trend : Chi2= 0.05 p=0.820					
Ischaemic heart disease (410-414)	308 / 329.42 0.93 [0.83 - 1.05]	299 / 303.60 0.98 [0.88 - 1.10]	358 / 346.26 1.03 [0.93 - 1.15]	373 / 417.57 0.89 [0.80 - 0.99]	1338 / 1396.85 0.96 [0.91 - 1.01]
Test for trend : Chi2= 0.23 p=0.631					
Bronchitis,emphysema & asthma (490-493)	28 / 26.52 1.06 [0.70 - 1.53]	29 / 24.04 1.21 [0.81 - 1.73]	23 / 26.53 0.87 [0.55 - 1.30]	20 / 30.74 0.65 [0.40 - 1.00]	100 / 107.82 0.93 [0.75 - 1.13]
Test for trend : Chi2= 3.71 p=0.054					

TOTAL COHORT

Men

Duration of high exposure (years)	0 - 3	4 - 11	12 - 23	24+	Total
ALL CAUSES	1072 / 1176.46 0.91 [0.86 - 0.97]	1044 / 1039.48 1.00 [0.94 - 1.07]	1065 / 1156.65 0.92 [0.87 - 0.98]	1077 / 1364.69 0.79 [0.74 - 0.84]	4258 / 4737.28 0.90 [0.87 - 0.93]
Test for trend : Chi2= 14.83 p=0.000					
ALL MALIGNANT NEOPLASMS (140-208)	252 / 255.15 0.99 [0.87 - 1.12]	245 / 236.33 1.04 [0.91 - 1.17]	259 / 275.40 0.94 [0.83 - 1.06]	288 / 327.00 0.88 [0.78 - 0.99]	1044 / 1093.89 0.95 [0.90 - 1.01]
Test for trend : Chi2= 2.70 p=0.101					
Lung (162)	74 / 67.46 1.10 [0.86 - 1.38]	69 / 58.83 1.17 [0.91 - 1.48]	73 / 69.01 1.06 [0.83 - 1.33]	68 / 78.67 0.86 [0.67 - 1.10]	284 / 273.96 1.04 [0.92 - 1.16]
Test for trend : Chi2= 2.37 p=0.124					
Soft tissue (171)	2 / 1.35 1.48 [0.18 - 5.36]	2 / 1.11 1.80 [0.22 - 6.49]	1 / 1.18 0.85 [0.02 - 4.72]	2 / 1.36 1.47 [0.18 - 5.32]	7 / 5.00 1.40 [0.56 - 2.88]
Test for trend : Chi2= 0.03 p=0.852					
Other male genital organs (187)	1 / 0.33 2.99 [0.07 - 16.6]	1 / 0.30 3.33 [0.08 - 18.5]	0 / 0.35 0.00 [0.00 - 10.6]	1 / 0.41 2.44 [0.06 - 13.6]	3 / 1.39 2.15 [0.44 - 6.30]
Test for trend : Chi2= 0.16 p=0.689					
Non-Hodgkins lymphoma (200,202)	6 / 7.17 0.84 [0.31 - 1.82]	6 / 6.14 0.98 [0.36 - 2.13]	5 / 6.77 0.74 [0.24 - 1.72]	6 / 8.12 0.74 [0.27 - 1.61]	23 / 28.20 0.82 [0.52 - 1.22]
Test for trend : Chi2= 0.12 p=0.729					
Ischaemic heart disease (410-414)	291 / 313.98 0.93 [0.82 - 1.04]	292 / 294.18 0.99 [0.88 - 1.11]	356 / 341.83 1.04 [0.94 - 1.16]	372 / 416.86 0.89 [0.80 - 0.99]	1311 / 1366.85 0.96 [0.91 - 1.01]
Test for trend : Chi2= 0.18 p=0.675					
Bronchitis,emphysema & asthma (490-493)	26 / 25.58 1.02 [0.66 - 1.49]	28 / 23.38 1.20 [0.80 - 1.73]	23 / 26.23 0.88 [0.56 - 1.32]	20 / 30.68 0.65 [0.40 - 1.01]	97 / 105.87 0.92 [0.74 - 1.12]
Test for trend : Chi2= 3.10 p=0.078					

Table 2.14.14

Mortality from selected causes by duration of high exposure to Sulp (reduced sulfure compounds)

TOTAL COHORT

Duration of high exposure (years)	0 - 1	2 - 9	8 - 19	20+	Total
ALL CAUSES	502 / 675.28 0.74 [0.68 - 0.81]	646 / 725.07 0.89 [0.82 - 0.96]	621 / 746.24 0.83 [0.77 - 0.90]	558 / 704.73 0.79 [0.73 - 0.86]	2327 / 2851.31 0.82 [0.78 - 0.85]
Test for trend : Chi2= 0.25 p=0.615					
ALL MALIGNANT NEOPLASMS (140-208)	114 / 138.00 0.83 [0.68 - 0.99]	142 / 163.04 0.87 [0.73 - 1.03]	140 / 171.66 0.82 [0.69 - 0.96]	118 / 158.91 0.74 [0.61 - 0.89]	514 / 631.61 0.81 [0.74 - 0.89]
Test for trend : Chi2= 0.95 p=0.331					
Lung (162)	37 / 35.67 1.04 [0.73 - 1.43]	42 / 42.17 1.00 [0.72 - 1.35]	33 / 43.19 0.76 [0.53 - 1.07]	24 / 35.20 0.68 [0.44 - 1.01]	136 / 156.23 0.87 [0.73 - 1.03]
Test for trend : Chi2= 3.61 p=0.058					
Pleura (163)	3 / 0.55 5.43 [1.12 - 15.9]	1 / 0.64 1.55 [0.04 - 8.66]	1 / 0.65 1.54 [0.04 - 8.58]	0 / 0.57 0.00 [0.00 - 6.51]	5 / 2.41 2.07 [0.67 - 4.84]
Test for trend : Chi2= 3.52 p=0.061					
Other male genital organs (187)	0 / 0.14 0.00 [0.00 - 25.8]	0 / 0.17 0.00 [0.00 - 22.2]	0 / 0.18 0.00 [0.00 - 20.9]	0 / 0.19 0.00 [0.00 - 19.0]	0 / 0.68 0.00 [0.00 - 5.42]
Ischaemic heart disease (410-414)	123 / 179.82 0.68 [0.57 - 0.82]	181 / 205.61 0.88 [0.76 - 1.02]	191 / 217.90 0.88 [0.76 - 1.01]	178 / 210.53 0.85 [0.73 - 0.98]	673 / 813.87 0.83 [0.77 - 0.89]
Test for trend : Chi2= 2.42 p=0.120					
Bronchitis,emphysema & asthma (490-493)	9 / 13.63 0.66 [0.30 - 1.25]	15 / 17.22 0.87 [0.49 - 1.44]	15 / 16.60 0.90 [0.51 - 1.49]	10 / 14.08 0.71 [0.34 - 1.31]	49 / 61.53 0.80 [0.59 - 1.05]
Test for trend : Chi2= 0.03 p=0.871					

TOTAL COHORT

Men

Duration of high exposure (years)	0 - 1	2 - 9	8 - 19	20+	Total
ALL CAUSES	470 / 620.68 0.76 [0.69 - 0.83]	614 / 681.10 0.90 [0.83 - 0.98]	596 / 706.16 0.84 [0.78 - 0.91]	546 / 685.02 0.80 [0.73 - 0.87]	2226 / 2692.95 0.83 [0.79 - 0.86]
Test for trend : Chi2= 0.08 p=0.775					
ALL MALIGNANT NEOPLASMS (140-208)	102 / 125.19 0.81 [0.66 - 0.99]	132 / 152.54 0.87 [0.72 - 1.03]	137 / 161.88 0.85 [0.71 - 1.00]	116 / 153.82 0.75 [0.62 - 0.90]	487 / 593.43 0.82 [0.75 - 0.90]
Test for trend : Chi2= 0.42 p=0.516					
Lung (162)	36 / 34.88 1.03 [0.72 - 1.43]	42 / 41.47 1.01 [0.73 - 1.37]	33 / 42.55 0.78 [0.53 - 1.09]	24 / 34.85 0.69 [0.44 - 1.02]	135 / 153.75 0.88 [0.74 - 1.04]
Test for trend : Chi2= 3.37 p=0.067					
Pleura (163)	3 / 0.52 5.77 [1.19 - 16.9]	1 / 0.62 1.62 [0.04 - 9.01]	1 / 0.63 1.60 [0.04 - 8.91]	0 / 0.55 0.00 [0.00 - 6.69]	5 / 2.32 2.16 [0.70 - 5.04]
Test for trend : Chi2= 3.62 p=0.057					
Other male genital organs (187)	0 / 0.14 0.00 [0.00 - 25.8]	0 / 0.17 0.00 [0.00 - 22.2]	0 / 0.18 0.00 [0.00 - 20.9]	0 / 0.19 0.00 [0.00 - 19.0]	0 / 0.68 0.00 [0.00 - 5.42]
Ischaemic heart disease (410-414)	118 / 167.31 0.71 [0.58 - 0.84]	170 / 195.54 0.87 [0.74 - 1.01]	181 / 208.46 0.87 [0.75 - 1.00]	174 / 205.75 0.85 [0.72 - 0.98]	643 / 777.06 0.83 [0.76 - 0.89]
Test for trend : Chi2= 1.72 p=0.190					
Bronchitis,emphysema & asthma (490-493)	9 / 13.12 0.69 [0.31 - 1.30]	15 / 16.76 0.90 [0.50 - 1.48]	15 / 16.17 0.93 [0.52 - 1.53]	10 / 13.86 0.72 [0.35 - 1.33]	49 / 59.91 0.82 [0.61 - 1.08]
Test for trend : Chi2= 0.01 p=0.913					

Table 2.14.15
Mortality from selected causes by duration of high exposure to TALC

TOTAL COHORT

Duration of high exposure (years)	0 - 1	2 - 6	7 - 17	18+	Total
ALL CAUSES Test for trend : Chi2= 23.35 p=0.000	196 / 200.00 0.98 [0.85 - 1.13]	212 / 183.27 1.16 [1.01 - 1.32]	206 / 239.92 0.86 [0.75 - 0.98]	186 / 284.90 0.65 [0.56 - 0.75]	800 / 908.09 0.88 [0.82 - 0.94]
ALL MALIGNANT NEOPLASMS (140-208) Test for trend : Chi2= 6.89 p=0.009	50 / 49.19 1.02 [0.75 - 1.34]	68 / 50.32 1.35 [1.05 - 1.71]	70 / 67.80 1.03 [0.80 - 1.30]	58 / 83.48 0.69 [0.53 - 0.90]	246 / 250.79 0.98 [0.86 - 1.11]
Lung (162) Test for trend : Chi2= 5.82 p=0.016	16 / 12.16 1.32 [0.75 - 2.14]	16 / 12.01 1.33 [0.76 - 2.16]	15 / 17.05 0.88 [0.49 - 1.45]	12 / 20.37 0.59 [0.30 - 1.03]	59 / 61.59 0.96 [0.73 - 1.24]
Ovary (183) Test for trend : Chi2= 4.22 p=0.040	4 / 0.74 5.42 [1.48 - 13.9]	3 / 0.90 3.34 [0.69 - 9.77]	1 / 0.72 1.39 [0.03 - 7.74]	0 / 0.61 0.00 [0.00 - 6.09]	8 / 2.96 2.70 [1.17 - 5.32]
Other male genital organs (187) Test for trend : Chi2= 2.38 p=0.123	1 / 0.05 18.80 [0.47 - 0105]	0 / 0.05 0.00 [0.00 - 78.8]	0 / 0.07 0.00 [0.00 - 52.6]	0 / 0.09 0.00 [0.00 - 42.1]	1 / 0.26 3.88 [0.10 - 21.6]
Ischaemic heart disease (410-414) Test for trend : Chi2= 1.60 p=0.206	38 / 39.60 0.96 [0.68 - 1.32]	42 / 35.30 1.19 [0.86 - 1.61]	54 / 52.52 1.03 [0.77 - 1.34]	42 / 55.18 0.76 [0.55 - 1.03]	176 / 182.60 0.96 [0.83 - 1.12]
Bronchitis,emphysema & asthma (490-493) Test for trend : Chi2= 2.50 p=0.114	5 / 4.24 1.18 [0.38 - 2.75]	4 / 3.98 1.00 [0.27 - 2.57]	3 / 5.86 0.51 [0.11 - 1.50]	3 / 6.72 0.45 [0.09 - 1.31]	15 / 20.80 0.72 [0.40 - 1.19]

TOTAL COHORT

Men

Duration of high exposure (years)	0 - 1	2 - 6	7 - 17	18+	Total
ALL CAUSES Test for trend : Chi2= 17.13 p=0.000	167 / 174.54 0.96 [0.82 - 1.11]	166 / 148.18 1.12 [0.96 - 1.30]	186 / 212.49 0.88 [0.75 - 1.01]	171 / 260.85 0.66 [0.56 - 0.76]	690 / 796.06 0.87 [0.80 - 0.93]
ALL MALIGNANT NEOPLASMS (140-208) Test for trend : Chi2= 1.64 p=0.200	36 / 39.99 0.90 [0.63 - 1.25]	41 / 38.41 1.07 [0.77 - 1.45]	63 / 58.34 1.08 [0.83 - 1.38]	54 / 75.65 0.71 [0.54 - 0.93]	194 / 212.39 0.91 [0.79 - 1.05]
Lung (162) Test for trend : Chi2= 2.32 p=0.128	11 / 11.06 0.99 [0.50 - 1.78]	10 / 10.63 0.94 [0.45 - 1.73]	14 / 15.92 0.88 [0.48 - 1.48]	10 / 19.35 0.52 [0.25 - 0.95]	45 / 56.96 0.79 [0.58 - 1.06]
Ovary (183)	0 / 0.00 [. - .]	0 / 0.00 [. - .]	0 / 0.00 [. - .]	0 / 0.00 [. - .]	0 / 0.00 [. - .]
Other male genital organs (187) Test for trend : Chi2= 2.38 p=0.123	1 / 0.05 18.80 [0.47 - 0105]	0 / 0.05 0.00 [0.00 - 78.8]	0 / 0.07 0.00 [0.00 - 52.6]	0 / 0.09 0.00 [0.00 - 42.1]	1 / 0.26 3.88 [0.10 - 21.6]
Ischaemic heart disease (410-414) Test for trend : Chi2= 1.22 p=0.269	34 / 36.08 0.94 [0.65 - 1.32]	36 / 30.64 1.17 [0.82 - 1.63]	49 / 47.92 1.02 [0.76 - 1.35]	38 / 49.95 0.76 [0.54 - 1.04]	157 / 164.58 0.95 [0.81 - 1.12]
Bronchitis,emphysema & asthma (490-493) Test for trend : Chi2= 4.49 p=0.034	5 / 3.74 1.34 [0.43 - 3.12]	4 / 3.24 1.23 [0.34 - 3.16]	2 / 5.22 0.38 [0.05 - 1.39]	2 / 5.96 0.34 [0.04 - 1.21]	13 / 18.16 0.72 [0.38 - 1.22]

Table 2.14.17
Mortality from selected causes by duration of high exposure to TERP (terpenes)

TOTAL COHORT

Duration of high exposure (years)	0 - 2	3 - 8	9 - 20	21+	Total
ALL CAUSES	437 / 545.80 0.80 [0.73 - 0.88]	312 / 312.22 1.00 [0.89 - 1.12]	403 / 507.23 0.79 [0.72 - 0.88]	376 / 462.54 0.81 [0.73 - 0.90]	1528 / 1827.78 0.84 [0.79 - 0.88]
Test for trend : Chi2= 0.26 p=0.611					
ALL MALIGNANT NEOPLASMS (140-208)	110 / 117.21 0.94 [0.77 - 1.13]	64 / 72.15 0.89 [0.68 - 1.13]	96 / 118.73 0.81 [0.65 - 0.99]	85 / 103.27 0.82 [0.66 - 1.02]	355 / 411.35 0.86 [0.78 - 0.96]
Test for trend : Chi2= 1.18 p=0.277					
Larynx (161)	2 / 1.64 1.22 [0.15 - 4.42]	2 / 1.09 1.83 [0.22 - 6.62]	4 / 1.81 2.21 [0.60 - 5.65]	1 / 1.15 0.87 [0.02 - 4.83]	9 / 5.69 1.58 [0.72 - 3.00]
Test for trend : Chi2= 0.00 p=0.982					
Lung (162)	31 / 28.82 1.08 [0.73 - 1.53]	16 / 16.96 0.94 [0.54 - 1.53]	27 / 27.82 0.97 [0.64 - 1.41]	11 / 20.91 0.53 [0.26 - 0.94]	85 / 94.50 0.90 [0.72 - 1.11]
Test for trend : Chi2= 3.18 p=0.075					
Other male genital organs (187)	0 / 0.13 0.00 [0.00 - 29.3]	0 / 0.08 0.00 [0.00 - 47.7]	0 / 0.13 0.00 [0.00 - 28.2]	0 / 0.13 0.00 [0.00 - 27.5]	0 / 0.47 0.00 [0.00 - 7.88]
Ischaemic heart disease (410-414)	118 / 152.96 0.77 [0.64 - 0.92]	97 / 91.50 1.06 [0.86 - 1.29]	133 / 151.38 0.88 [0.74 - 1.04]	110 / 142.15 0.77 [0.64 - 0.93]	458 / 537.99 0.85 [0.78 - 0.93]
Test for trend : Chi2= 0.05 p=0.819					
Bronchitis,emphysema & asthma (490-493)	6 / 10.73 0.56 [0.21 - 1.22]	7 / 6.36 1.10 [0.44 - 2.27]	10 / 10.97 0.91 [0.44 - 1.68]	7 / 9.39 0.75 [0.30 - 1.54]	30 / 37.45 0.80 [0.54 - 1.14]
Test for trend : Chi2= 0.19 p=0.661					

TOTAL COHORT

Men

Duration of high exposure (years)	0 - 2	3 - 8	9 - 20	21+	Total
ALL CAUSES	416 / 507.01 0.82 [0.74 - 0.90]	304 / 297.34 1.02 [0.91 - 1.14]	392 / 483.22 0.81 [0.73 - 0.90]	367 / 453.28 0.81 [0.73 - 0.90]	1479 / 1740.85 0.85 [0.81 - 0.89]
Test for trend : Chi2= 0.80 p=0.371					
ALL MALIGNANT NEOPLASMS (140-208)	99 / 107.96 0.92 [0.75 - 1.12]	64 / 68.53 0.93 [0.72 - 1.19]	95 / 112.46 0.84 [0.68 - 1.03]	84 / 100.88 0.83 [0.66 - 1.03]	342 / 389.82 0.88 [0.79 - 0.98]
Test for trend : Chi2= 0.64 p=0.425					
Larynx (161)	2 / 1.62 1.23 [0.15 - 4.45]	2 / 1.09 1.84 [0.22 - 6.65]	4 / 1.80 2.22 [0.60 - 5.68]	1 / 1.15 0.87 [0.02 - 4.84]	9 / 5.66 1.59 [0.73 - 3.02]
Test for trend : Chi2= 0.00 p=0.986					
Lung (162)	31 / 28.23 1.10 [0.75 - 1.56]	16 / 16.71 0.96 [0.55 - 1.55]	27 / 27.38 0.99 [0.65 - 1.43]	11 / 20.75 0.53 [0.26 - 0.95]	85 / 93.08 0.91 [0.73 - 1.13]
Test for trend : Chi2= 3.31 p=0.069					
Other male genital organs (187)	0 / 0.13 0.00 [0.00 - 29.3]	0 / 0.08 0.00 [0.00 - 47.7]	0 / 0.13 0.00 [0.00 - 28.2]	0 / 0.13 0.00 [0.00 - 27.5]	0 / 0.47 0.00 [0.00 - 7.88]
Ischaemic heart disease (410-414)	115 / 143.90 0.80 [0.66 - 0.96]	91 / 87.94 1.03 [0.83 - 1.27]	130 / 145.60 0.89 [0.75 - 1.06]	106 / 139.87 0.76 [0.62 - 0.92]	442 / 517.30 0.85 [0.78 - 0.94]
Test for trend : Chi2= 0.31 p=0.581					
Bronchitis,emphysema & asthma (490-493)	6 / 10.36 0.58 [0.21 - 1.26]	7 / 6.20 1.13 [0.45 - 2.33]	10 / 10.69 0.94 [0.45 - 1.72]	7 / 9.29 0.75 [0.30 - 1.55]	30 / 36.53 0.82 [0.55 - 1.17]
Test for trend : Chi2= 0.15 p=0.695					

Table 2.14.17
Mortality from selected causes by duration of high exposure to TIO2 (titanium dioxide)

TOTAL COHORT

Duration of high exposure (years)	0 - 2	3 - 6	7 - 13	14+	Total
ALL CAUSES Test for trend : Chi2= 4.76 p=0.029	302 / 317.13 0.95 [0.85 - 1.07]	236 / 224.21 1.05 [0.92 - 1.20]	267 / 262.15 1.02 [0.90 - 1.15]	242 / 310.39 0.78 [0.68 - 0.88]	1047 / 1113.89 0.94 [0.88 - 1.00]
ALL MALIGNANT NEOPLASMS (140-208) Test for trend : Chi2= 0.45 p=0.502	64 / 77.44 0.83 [0.64 - 1.06]	60 / 55.28 1.09 [0.83 - 1.40]	69 / 66.06 1.04 [0.81 - 1.32]	58 / 79.76 0.73 [0.55 - 0.94]	251 / 278.54 0.90 [0.79 - 1.02]
Lung (162) Test for trend : Chi2= 0.54 p=0.463	21 / 24.23 0.87 [0.54 - 1.32]	25 / 15.87 1.57 [1.02 - 2.32]	17 / 20.98 0.81 [0.47 - 1.30]	19 / 23.07 0.82 [0.50 - 1.29]	82 / 84.16 0.97 [0.77 - 1.21]
Other male genital organs (187)	0 / 0.10 0.00 [0.00 - 35.3]	0 / 0.07 0.00 [0.00 - 55.8]	0 / 0.09 0.00 [0.00 - 43.3]	0 / 0.11 0.00 [0.00 - 34.6]	0 / 0.36 0.00 [0.00 - 10.2]
Ischaemic heart disease (410-414) Test for trend : Chi2= 3.17 p=0.075	79 / 92.96 0.85 [0.67 - 1.06]	61 / 68.69 0.89 [0.68 - 1.14]	95 / 82.25 1.15 [0.93 - 1.41]	100 / 95.54 1.05 [0.85 - 1.27]	335 / 339.45 0.99 [0.88 - 1.10]
Bronchitis,emphysema & asthma (490-493) Test for trend : Chi2= 1.71 p=0.191	13 / 8.61 1.51 [0.80 - 2.58]	4 / 6.27 0.64 [0.17 - 1.63]	7 / 8.42 0.83 [0.33 - 1.71]	7 / 8.49 0.82 [0.33 - 1.70]	31 / 31.79 0.98 [0.66 - 1.38]

TOTAL COHORT

Men

Duration of high exposure (years)	0 - 2	3 - 6	7 - 13	14+	Total
ALL CAUSES Test for trend : Chi2= 6.69 p=0.010	280 / 288.55 0.97 [0.86 - 1.09]	202 / 185.88 1.09 [0.94 - 1.25]	236 / 237.55 0.99 [0.87 - 1.13]	231 / 298.36 0.77 [0.68 - 0.88]	949 / 1010.33 0.94 [0.88 - 1.00]
ALL MALIGNANT NEOPLASMS (140-208) Test for trend : Chi2= 1.28 p=0.258	59 / 69.36 0.85 [0.65 - 1.10]	53 / 46.02 1.15 [0.86 - 1.51]	58 / 59.79 0.97 [0.74 - 1.25]	54 / 76.04 0.71 [0.53 - 0.93]	224 / 251.22 0.89 [0.78 - 1.02]
Lung (162) Test for trend : Chi2= 1.26 p=0.261	21 / 22.83 0.92 [0.57 - 1.41]	23 / 14.44 1.59 [1.01 - 2.39]	16 / 20.00 0.80 [0.46 - 1.30]	17 / 22.44 0.76 [0.44 - 1.21]	77 / 79.71 0.97 [0.76 - 1.21]
Other male genital organs (187)	0 / 0.10 0.00 [0.00 - 35.3]	0 / 0.07 0.00 [0.00 - 55.8]	0 / 0.09 0.00 [0.00 - 43.3]	0 / 0.11 0.00 [0.00 - 34.6]	0 / 0.36 0.00 [0.00 - 10.2]
Ischaemic heart disease (410-414) Test for trend : Chi2= 2.97 p=0.085	72 / 86.10 0.84 [0.65 - 1.05]	50 / 58.85 0.85 [0.63 - 1.12]	87 / 75.98 1.15 [0.92 - 1.41]	95 / 92.50 1.03 [0.83 - 1.26]	304 / 313.43 0.97 [0.86 - 1.09]
Bronchitis,emphysema & asthma (490-493) Test for trend : Chi2= 1.22 p=0.270	12 / 8.08 1.48 [0.77 - 2.59]	3 / 5.64 0.53 [0.11 - 1.56]	7 / 7.98 0.88 [0.35 - 1.81]	7 / 8.25 0.85 [0.34 - 1.75]	29 / 29.95 0.97 [0.65 - 1.39]

Table 2.14.18
Mortality from selected causes by duration of high exposure to WELD (welding fumes)

TOTAL COHORT

Duration of high exposure (years)	0 - 2	3 - 8	9 - 21	22+	Total
ALL CAUSES	924 / 1068.75 0.86 [0.81 - 0.92]	752 / 821.37 0.92 [0.85 - 0.98]	886 / 1085.97 0.82 [0.76 - 0.87]	840 / 1121.13 0.75 [0.70 - 0.80]	3402 / 4097.22 0.83 [0.80 - 0.86]
Test for trend : Chi2= 12.24 p=0.000					
ALL MALIGNANT NEOPLASMS (140-208)	202 / 229.17 0.88 [0.76 - 1.01]	178 / 181.64 0.98 [0.84 - 1.13]	209 / 244.05 0.86 [0.74 - 0.98]	237 / 262.23 0.90 [0.79 - 1.03]	826 / 917.10 0.90 [0.84 - 0.96]
Test for trend : Chi2= 0.02 p=0.885					
Lung (162)	55 / 62.59 0.88 [0.66 - 1.14]	54 / 48.93 1.10 [0.83 - 1.44]	73 / 65.84 1.11 [0.87 - 1.39]	68 / 68.57 0.99 [0.77 - 1.26]	250 / 245.92 1.02 [0.89 - 1.15]
Test for trend : Chi2= 0.39 p=0.533					
Pleura (163)	2 / 1.12 1.79 [0.22 - 6.47]	1 / 0.80 1.24 [0.03 - 6.93]	2 / 1.00 2.00 [0.24 - 7.23]	6 / 1.18 5.07 [1.86 - 11.0]	11 / 4.10 2.68 [1.34 - 4.80]
Test for trend : Chi2= 2.37 p=0.124					
Other male genital organs (187)	0 / 0.24 0.00 [0.00 - 15.5]	1 / 0.20 4.95 [0.12 - 27.6]	0 / 0.27 0.00 [0.00 - 13.4]	0 / 0.31 0.00 [0.00 - 11.9]	1 / 1.02 0.98 [0.02 - 5.44]
Test for trend : Chi2= 0.31 p=0.576					
Ischaemic heart disease (410-414)	256 / 312.46 0.82 [0.72 - 0.93]	205 / 245.91 0.83 [0.72 - 0.96]	294 / 331.53 0.89 [0.79 - 0.99]	261 / 342.68 0.76 [0.67 - 0.86]	1016 / 1232.59 0.82 [0.77 - 0.88]
Test for trend : Chi2= 0.32 p=0.571					
Bronchitis,emphysema & asthma (490-493)	18 / 24.28 0.74 [0.44 - 1.17]	21 / 20.17 1.04 [0.64 - 1.59]	16 / 29.00 0.55 [0.32 - 0.90]	14 / 26.50 0.53 [0.29 - 0.89]	69 / 99.95 0.69 [0.54 - 0.87]
Test for trend : Chi2= 2.21 p=0.138					

TOTAL COHORT

Men

Duration of high exposure (years)	0 - 2	3 - 8	9 - 21	22+	Total
ALL CAUSES	809 / 923.32 0.88 [0.82 - 0.94]	690 / 747.02 0.92 [0.86 - 1.00]	849 / 1040.10 0.82 [0.76 - 0.87]	835 / 1117.87 0.75 [0.70 - 0.80]	3183 / 3828.31 0.83 [0.80 - 0.86]
Test for trend : Chi2= 14.58 p=0.000					
ALL MALIGNANT NEOPLASMS (140-208)	181 / 197.78 0.92 [0.79 - 1.06]	164 / 165.83 0.99 [0.84 - 1.15]	197 / 233.71 0.84 [0.73 - 0.97]	236 / 261.26 0.90 [0.79 - 1.03]	778 / 858.58 0.91 [0.84 - 0.97]
Test for trend : Chi2= 0.32 p=0.570					
Lung (162)	54 / 60.66 0.89 [0.67 - 1.16]	52 / 47.89 1.09 [0.81 - 1.42]	72 / 65.19 1.10 [0.86 - 1.39]	68 / 68.51 0.99 [0.77 - 1.26]	246 / 242.26 1.02 [0.89 - 1.15]
Test for trend : Chi2= 0.33 p=0.567					
Pleura (163)	2 / 1.04 1.93 [0.23 - 6.97]	0 / 0.77 0.00 [0.00 - 4.81]	2 / 0.98 2.04 [0.25 - 7.39]	6 / 1.18 5.08 [1.86 - 11.1]	10 / 3.96 2.52 [1.21 - 4.64]
Test for trend : Chi2= 2.81 p=0.094					
Other male genital organs (187)	0 / 0.24 0.00 [0.00 - 15.5]	1 / 0.20 4.95 [0.12 - 27.6]	0 / 0.27 0.00 [0.00 - 13.4]	0 / 0.31 0.00 [0.00 - 11.9]	1 / 1.02 0.98 [0.02 - 5.44]
Test for trend : Chi2= 0.31 p=0.576					
Ischaemic heart disease (410-414)	224 / 275.54 0.81 [0.71 - 0.93]	187 / 226.86 0.82 [0.71 - 0.95]	287 / 319.93 0.90 [0.80 - 1.01]	259 / 342.06 0.76 [0.67 - 0.86]	957 / 1164.38 0.82 [0.77 - 0.88]
Test for trend : Chi2= 0.25 p=0.614					
Bronchitis,emphysema & asthma (490-493)	16 / 22.89 0.70 [0.40 - 1.14]	21 / 19.42 1.08 [0.67 - 1.65]	16 / 28.52 0.56 [0.32 - 0.91]	14 / 26.46 0.53 [0.29 - 0.89]	67 / 97.29 0.69 [0.53 - 0.87]
Test for trend : Chi2= 1.81 p=0.179					

Table 2.14.19
Mortality from selected causes by duration of high exposure to WOOD (wood dust)

TOTAL COHORT

Duration of high exposure (years)	0 - 2	3 - 7	8 - 20	21+	Total
ALL CAUSES	442 / 539.75 0.82 [0.74 - 0.90]	317 / 320.26 0.99 [0.88 - 1.11]	401 / 515.60 0.78 [0.70 - 0.86]	384 / 487.63 0.79 [0.71 - 0.87]	1544 / 1863.25 0.83 [0.79 - 0.87]
Test for trend : Chi2= 1.79 p=0.181					
ALL MALIGNANT NEOPLASMS (140-208)	109 / 116.00 0.94 [0.77 - 1.13]	65 / 74.87 0.87 [0.67 - 1.11]	95 / 121.16 0.78 [0.63 - 0.96]	86 / 109.60 0.78 [0.63 - 0.97]	355 / 421.63 0.84 [0.76 - 0.93]
Test for trend : Chi2= 2.04 p=0.153					
Larynx (161)	3 / 1.77 1.70 [0.35 - 4.97]	3 / 1.22 2.46 [0.51 - 7.20]	6 / 1.94 3.09 [1.13 - 6.72]	0 / 1.31 0.00 [0.00 - 2.81]	12 / 6.24 1.92 [0.99 - 3.36]
Test for trend : Chi2= 0.39 p=0.534					
Lung (162)	30 / 28.85 1.04 [0.70 - 1.48]	16 / 17.85 0.90 [0.51 - 1.46]	25 / 28.09 0.89 [0.58 - 1.31]	13 / 22.55 0.58 [0.31 - 0.99]	84 / 97.35 0.86 [0.69 - 1.07]
Test for trend : Chi2= 2.72 p=0.099					
Other male genital organs (187)	0 / 0.12 0.00 [0.00 - 31.1]	0 / 0.08 0.00 [0.00 - 47.3]	0 / 0.13 0.00 [0.00 - 27.4]	0 / 0.14 0.00 [0.00 - 26.1]	0 / 0.47 0.00 [0.00 - 7.81]
Ischaemic heart disease (410-414)	117 / 147.96 0.79 [0.65 - 0.95]	94 / 92.25 1.02 [0.82 - 1.25]	126 / 151.86 0.83 [0.69 - 0.99]	112 / 147.33 0.76 [0.63 - 0.91]	449 / 539.40 0.83 [0.76 - 0.91]
Test for trend : Chi2= 0.40 p=0.527					
Bronchitis,emphysema & asthma (490-493)	6 / 10.71 0.56 [0.21 - 1.22]	8 / 6.65 1.20 [0.52 - 2.37]	11 / 11.17 0.98 [0.49 - 1.76]	7 / 9.65 0.73 [0.29 - 1.49]	32 / 38.17 0.84 [0.57 - 1.18]
Test for trend : Chi2= 0.14 p=0.707					

TOTAL COHORT

Men

Duration of high exposure (years)	0 - 2	3 - 7	8 - 20	21+	Total
ALL CAUSES	418 / 499.96 0.84 [0.76 - 0.92]	309 / 303.80 1.02 [0.91 - 1.14]	390 / 491.69 0.79 [0.72 - 0.88]	375 / 476.76 0.79 [0.71 - 0.87]	1492 / 1772.21 0.84 [0.80 - 0.89]
Test for trend : Chi2= 2.70 p=0.100					
ALL MALIGNANT NEOPLASMS (140-208)	97 / 106.41 0.91 [0.74 - 1.11]	65 / 70.66 0.92 [0.71 - 1.17]	94 / 114.95 0.82 [0.66 - 1.00]	85 / 106.67 0.80 [0.64 - 0.99]	341 / 398.70 0.86 [0.77 - 0.95]
Test for trend : Chi2= 1.16 p=0.282					
Larynx (161)	3 / 1.75 1.71 [0.35 - 5.01]	3 / 1.21 2.48 [0.51 - 7.24]	6 / 1.93 3.10 [1.14 - 6.76]	0 / 1.31 0.00 [0.00 - 2.82]	12 / 6.20 1.93 [1.00 - 3.38]
Test for trend : Chi2= 0.40 p=0.530					
Lung (162)	30 / 28.25 1.06 [0.72 - 1.52]	16 / 17.56 0.91 [0.52 - 1.48]	25 / 27.67 0.90 [0.58 - 1.33]	13 / 22.35 0.58 [0.31 - 0.99]	84 / 95.83 0.88 [0.70 - 1.09]
Test for trend : Chi2= 2.85 p=0.091					
Other male genital organs (187)	0 / 0.12 0.00 [0.00 - 31.1]	0 / 0.08 0.00 [0.00 - 47.3]	0 / 0.13 0.00 [0.00 - 27.4]	0 / 0.14 0.00 [0.00 - 26.1]	0 / 0.47 0.00 [0.00 - 7.81]
Ischaemic heart disease (410-414)	113 / 138.92 0.81 [0.67 - 0.98]	88 / 88.53 0.99 [0.80 - 1.22]	123 / 146.18 0.84 [0.70 - 1.00]	108 / 144.78 0.75 [0.61 - 0.90]	432 / 518.40 0.83 [0.76 - 0.92]
Test for trend : Chi2= 0.79 p=0.375					
Bronchitis,emphysema & asthma (490-493)	6 / 10.31 0.58 [0.21 - 1.27]	8 / 6.46 1.24 [0.53 - 2.44]	11 / 10.89 1.01 [0.50 - 1.81]	7 / 9.53 0.73 [0.30 - 1.51]	32 / 37.20 0.86 [0.59 - 1.21]
Test for trend : Chi2= 0.11 p=0.745					

Table 2.15.1
Mortality from selected causes by cumulative exposure to ACID (inorganic acid mist)

TOTAL COHORT

Cumulative exposure (ppm-years)	0 - 1	2 - 4	5 - 9	10+	Total
ALL CAUSES Test for trend : Chi2= 3.53 p=0.060	226 / 294.75 0.77 [0.67 - 0.87]	263 / 251.37 1.05 [0.92 - 1.18]	261 / 284.26 0.92 [0.81 - 1.04]	258 / 268.95 0.96 [0.85 - 1.08]	1008 / 1099.33 0.92 [0.86 - 0.98]
ALL MALIGNANT NEOPLASMS (140-208) Test for trend : Chi2= 0.16 p=0.689	49 / 71.78 0.68 [0.50 - 0.90]	69 / 65.73 1.05 [0.82 - 1.33]	58 / 72.31 0.80 [0.61 - 1.04]	56 / 68.13 0.82 [0.62 - 1.07]	232 / 277.95 0.83 [0.73 - 0.95]
Larynx (161) Test for trend : Chi2= 0.00 p=0.947	3 / 1.09 2.76 [0.57 - 8.06]	0 / 1.02 0.00 [0.00 - 3.61]	2 / 0.90 2.22 [0.27 - 8.02]	2 / 0.87 2.30 [0.28 - 8.30]	7 / 3.88 1.80 [0.72 - 3.72]
Lung (162) Test for trend : Chi2= 0.35 p=0.554	15 / 20.92 0.72 [0.40 - 1.18]	19 / 19.98 0.95 [0.57 - 1.48]	15 / 22.31 0.67 [0.38 - 1.11]	22 / 22.48 0.98 [0.61 - 1.48]	71 / 85.69 0.83 [0.65 - 1.05]
Other male genital organs (187)	0 / 0.08 0.00 [0.00 - 43.6]	0 / 0.07 0.00 [0.00 - 51.7]	0 / 0.09 0.00 [0.00 - 40.4]	0 / 0.09 0.00 [0.00 - 42.0]	0 / 0.34 0.00 [0.00 - 11.0]
Ischaemic heart disease (410-414) Test for trend : Chi2= 2.38 p=0.123	62 / 77.69 0.80 [0.61 - 1.02]	84 / 71.89 1.17 [0.93 - 1.45]	86 / 85.86 1.00 [0.80 - 1.24]	92 / 82.75 1.11 [0.90 - 1.36]	324 / 318.19 1.02 [0.91 - 1.14]
Bronchitis,emphysema & asthma (490-493) Test for trend : Chi2= 3.70 p=0.055	12 / 6.88 1.74 [0.90 - 3.05]	3 / 6.55 0.46 [0.09 - 1.34]	12 / 8.83 1.36 [0.70 - 2.37]	4 / 9.13 0.44 [0.12 - 1.12]	31 / 31.39 0.99 [0.67 - 1.40]

TOTAL COHORT

Men

Cumulative exposure (ppm-years)	0 - 1	2 - 4	5 - 9	10+	Total
ALL CAUSES Test for trend : Chi2= 0.84 p=0.359	204 / 252.87 0.81 [0.70 - 0.93]	224 / 208.15 1.08 [0.94 - 1.23]	232 / 257.57 0.90 [0.79 - 1.02]	247 / 263.10 0.94 [0.83 - 1.06]	907 / 981.69 0.92 [0.86 - 0.99]
ALL MALIGNANT NEOPLASMS (140-208) Test for trend : Chi2= 0.05 p=0.831	44 / 60.80 0.72 [0.53 - 0.97]	60 / 54.76 1.10 [0.84 - 1.41]	46 / 65.17 0.71 [0.52 - 0.94]	54 / 66.58 0.81 [0.61 - 1.06]	204 / 247.31 0.82 [0.72 - 0.95]
Larynx (161) Test for trend : Chi2= 0.00 p=0.965	3 / 1.06 2.84 [0.59 - 8.30]	0 / 0.99 0.00 [0.00 - 3.73]	2 / 0.88 2.27 [0.27 - 8.21]	2 / 0.87 2.31 [0.28 - 8.35]	7 / 3.79 1.85 [0.74 - 3.81]
Lung (162) Test for trend : Chi2= 0.08 p=0.774	15 / 19.28 0.78 [0.44 - 1.28]	18 / 18.30 0.98 [0.58 - 1.55]	12 / 21.21 0.57 [0.29 - 0.99]	22 / 22.23 0.99 [0.62 - 1.50]	67 / 81.01 0.83 [0.64 - 1.05]
Other male genital organs (187)	0 / 0.08 0.00 [0.00 - 43.6]	0 / 0.07 0.00 [0.00 - 51.7]	0 / 0.09 0.00 [0.00 - 40.4]	0 / 0.09 0.00 [0.00 - 42.0]	0 / 0.34 0.00 [0.00 - 11.0]
Ischaemic heart disease (410-414) Test for trend : Chi2= 1.35 p=0.245	55 / 67.78 0.81 [0.61 - 1.06]	71 / 61.13 1.16 [0.91 - 1.46]	78 / 78.87 0.99 [0.78 - 1.23]	87 / 81.17 1.07 [0.86 - 1.32]	291 / 288.96 1.01 [0.89 - 1.13]
Bronchitis,emphysema & asthma (490-493) Test for trend : Chi2= 3.95 p=0.047	12 / 6.18 1.94 [1.00 - 3.39]	1 / 5.83 0.17 [0.00 - 0.96]	12 / 8.33 1.44 [0.74 - 2.52]	4 / 9.04 0.44 [0.12 - 1.13]	29 / 29.39 0.99 [0.66 - 1.42]

Table 2.15.2
Mortality from selected causes by cumulative exposure to ASB (asbestos)

TOTAL COHORT

Cumulative exposure (ppm-years)	0 - 0.25	0.26 - 0.68	0.69 - 1.48	1.49+	Total
ALL CAUSES Test for trend : Chi2= 4.07 p=0.044	196 / 237.36 0.83 [0.71 - 0.95]	195 / 199.43 0.98 [0.85 - 1.13]	196 / 186.17 1.05 [0.91 - 1.21]	195 / 196.16 0.99 [0.86 - 1.14]	782 / 819.11 0.95 [0.89 - 1.02]
ALL MALIGNANT NEOPLASMS (140-208) Test for trend : Chi2= 1.26 p=0.262	51 / 47.17 1.08 [0.80 - 1.42]	37 / 44.91 0.82 [0.58 - 1.14]	46 / 43.49 1.06 [0.77 - 1.41]	36 / 46.60 0.77 [0.54 - 1.07]	170 / 182.17 0.93 [0.80 - 1.08]
Lung (162) Test for trend : Chi2= 4.73 p=0.030	18 / 13.41 1.34 [0.80 - 2.12]	10 / 12.90 0.77 [0.37 - 1.43]	14 / 12.54 1.12 [0.61 - 1.87]	5 / 13.01 0.38 [0.12 - 0.90]	47 / 51.87 0.91 [0.67 - 1.20]
Pleura (163) Test for trend : Chi2= 1.45 p=0.229	2 / 0.21 9.35 [1.13 - 33.8]	0 / 0.18 0.00 [0.00 - 20.4]	1 / 0.16 6.16 [0.15 - 34.3]	0 / 0.21 0.00 [0.00 - 17.9]	3 / 0.76 3.93 [0.81 - 11.5]
Other male genital organs (187)	0 / 0.05 0.00 [0.00 - 69.5]	0 / 0.05 0.00 [0.00 - 67.9]	0 / 0.05 0.00 [0.00 - 74.7]	0 / 0.05 0.00 [0.00 - 69.3]	0 / 0.21 0.00 [0.00 - 17.6]
Kidney (189) Test for trend : Chi2= 0.78 p=0.377	1 / 1.38 0.73 [0.02 - 4.04]	0 / 1.26 0.00 [0.00 - 2.92]	1 / 1.18 0.85 [0.02 - 4.74]	2 / 1.39 1.44 [0.17 - 5.21]	4 / 5.20 0.77 [0.21 - 1.97]
Ischaemic heart disease (410-414) Test for trend : Chi2= 5.06 p=0.025	52 / 63.95 0.81 [0.61 - 1.07]	46 / 58.99 0.78 [0.57 - 1.04]	55 / 56.32 0.98 [0.74 - 1.27]	73 / 63.04 1.16 [0.91 - 1.46]	226 / 242.30 0.93 [0.82 - 1.06]
Bronchitis, emphysema & asthma (490-493) Test for trend : Chi2= 0.00 p=0.978	3 / 4.68 0.64 [0.13 - 1.87]	7 / 4.97 1.41 [0.57 - 2.90]	5 / 4.84 1.03 [0.34 - 2.41]	4 / 4.98 0.80 [0.22 - 2.06]	19 / 19.47 0.98 [0.59 - 1.52]

TOTAL COHORT

Men

Cumulative exposure (ppm-years)	0 - 0.25	0.26 - 0.68	0.69 - 1.48	1.49+	Total
ALL CAUSES Test for trend : Chi2= 3.59 p=0.058	183 / 218.67 0.84 [0.72 - 0.97]	187 / 192.30 0.97 [0.84 - 1.12]	186 / 179.51 1.04 [0.89 - 1.20]	192 / 190.94 1.01 [0.87 - 1.16]	748 / 781.41 0.96 [0.89 - 1.03]
ALL MALIGNANT NEOPLASMS (140-208) Test for trend : Chi2= 0.60 p=0.438	45 / 43.27 1.04 [0.76 - 1.39]	35 / 43.34 0.81 [0.56 - 1.12]	45 / 41.95 1.07 [0.78 - 1.44]	36 / 45.60 0.79 [0.55 - 1.09]	161 / 174.16 0.92 [0.79 - 1.08]
Lung (162) Test for trend : Chi2= 4.12 p=0.042	17 / 13.19 1.29 [0.75 - 2.06]	10 / 12.81 0.78 [0.37 - 1.44]	14 / 12.44 1.13 [0.62 - 1.89]	5 / 12.94 0.39 [0.13 - 0.90]	46 / 51.38 0.90 [0.66 - 1.19]
Pleura (163) Test for trend : Chi2= 1.49 p=0.222	2 / 0.20 9.79 [1.18 - 35.4]	0 / 0.18 0.00 [0.00 - 20.8]	1 / 0.16 6.32 [0.16 - 35.2]	0 / 0.20 0.00 [0.00 - 18.1]	3 / 0.74 4.04 [0.83 - 11.8]
Other male genital organs (187)	0 / 0.05 0.00 [0.00 - 69.5]	0 / 0.05 0.00 [0.00 - 67.9]	0 / 0.05 0.00 [0.00 - 74.7]	0 / 0.05 0.00 [0.00 - 69.3]	0 / 0.21 0.00 [0.00 - 17.6]
Kidney (189) Test for trend : Chi2= 0.72 p=0.396	1 / 1.28 0.78 [0.02 - 4.37]	0 / 1.22 0.00 [0.00 - 3.02]	1 / 1.13 0.88 [0.02 - 4.91]	2 / 1.36 1.48 [0.18 - 5.33]	4 / 4.99 0.80 [0.22 - 2.05]
Ischaemic heart disease (410-414) Test for trend : Chi2= 3.60 p=0.058	51 / 59.41 0.86 [0.64 - 1.13]	44 / 57.25 0.77 [0.56 - 1.03]	51 / 54.59 0.93 [0.70 - 1.23]	71 / 61.57 1.15 [0.90 - 1.45]	217 / 232.82 0.93 [0.81 - 1.06]
Bronchitis, emphysema & asthma (490-493) Test for trend : Chi2= 0.00 p=0.997	3 / 4.52 0.66 [0.14 - 1.94]	7 / 4.90 1.43 [0.57 - 2.94]	5 / 4.77 1.05 [0.34 - 2.45]	4 / 4.91 0.81 [0.22 - 2.08]	19 / 19.11 0.99 [0.60 - 1.55]

Table 2.15.3

Mortality from selected causes by cumulative exposure to CLIO (inorganic chlorine compounds)

TOTAL COHORT

Cumulative exposure (ppm-years)	0 - 0.9	1 - 2	3 - 4	5+	Total
ALL CAUSES Test for trend : Chi2= 6.61 p=0.010	173 / 238.52 0.73 [0.62 - 0.84]	242 / 263.41 0.92 [0.81 - 1.04]	180 / 187.52 0.96 [0.82 - 1.11]	224 / 235.55 0.95 [0.83 - 1.08]	819 / 925.01 0.89 [0.83 - 0.95]
ALL MALIGNANT NEOPLASMS (140-208) Test for trend : Chi2= 0.16 p=0.690	36 / 55.05 0.65 [0.46 - 0.91]	63 / 63.19 1.00 [0.77 - 1.28]	34 / 46.63 0.73 [0.50 - 1.02]	46 / 56.07 0.82 [0.60 - 1.09]	179 / 220.94 0.81 [0.70 - 0.94]
Pancreas (157) Test for trend : Chi2= 1.15 p=0.284	4 / 2.34 1.71 [0.47 - 4.37]	5 / 2.84 1.76 [0.57 - 4.11]	3 / 2.15 1.39 [0.29 - 4.07]	2 / 2.82 0.71 [0.09 - 2.57]	14 / 10.15 1.38 [0.75 - 2.31]
Lung (162) Test for trend : Chi2= 0.26 p=0.607	12 / 16.89 0.71 [0.37 - 1.24]	21 / 19.52 1.08 [0.67 - 1.64]	12 / 15.68 0.77 [0.40 - 1.34]	11 / 16.74 0.66 [0.33 - 1.18]	56 / 68.83 0.81 [0.61 - 1.06]
Other male genital organs (187)	0 / 0.06 0.00 [0.00 - 57.4]	0 / 0.07 0.00 [0.00 - 50.1]	0 / 0.06 0.00 [0.00 - 64.4]	0 / 0.07 0.00 [0.00 - 50.5]	0 / 0.27 0.00 [0.00 - 13.7]
Ischaemic heart disease (410-414) Test for trend : Chi2= 4.05 p=0.044	50 / 65.47 0.76 [0.57 - 1.01]	79 / 77.84 1.01 [0.80 - 1.26]	67 / 58.65 1.14 [0.89 - 1.45]	85 / 77.47 1.10 [0.88 - 1.36]	281 / 279.43 1.01 [0.89 - 1.13]
Bronchitis, emphysema & asthma (490-493) Test for trend : Chi2= 1.30 p=0.254	10 / 5.09 1.97 [0.94 - 3.62]	5 / 7.35 0.68 [0.22 - 1.59]	6 / 6.17 0.97 [0.36 - 2.12]	6 / 6.00 1.00 [0.37 - 2.18]	27 / 24.61 1.10 [0.72 - 1.60]

TOTAL COHORT

Men

Cumulative exposure (ppm-years)	0 - 0.9	1 - 2	3 - 4	5+	Total
ALL CAUSES Test for trend : Chi2= 4.40 p=0.036	151 / 201.40 0.75 [0.63 - 0.88]	203 / 223.29 0.91 [0.79 - 1.04]	161 / 171.45 0.94 [0.80 - 1.10]	219 / 230.92 0.95 [0.83 - 1.08]	734 / 827.05 0.89 [0.82 - 0.95]
ALL MALIGNANT NEOPLASMS (140-208) Test for trend : Chi2= 0.03 p=0.868	30 / 45.27 0.66 [0.45 - 0.95]	55 / 52.91 1.04 [0.78 - 1.35]	26 / 42.47 0.61 [0.40 - 0.90]	46 / 54.69 0.84 [0.62 - 1.12]	157 / 195.34 0.80 [0.68 - 0.94]
Pancreas (157) Test for trend : Chi2= 0.97 p=0.324	3 / 1.96 1.53 [0.32 - 4.48]	4 / 2.39 1.68 [0.46 - 4.29]	2 / 1.97 1.02 [0.12 - 3.68]	2 / 2.75 0.73 [0.09 - 2.62]	11 / 9.06 1.21 [0.61 - 2.17]
Lung (162) Test for trend : Chi2= 0.68 p=0.411	12 / 15.34 0.78 [0.40 - 1.37]	20 / 17.87 1.12 [0.68 - 1.73]	10 / 14.93 0.67 [0.32 - 1.23]	11 / 16.44 0.67 [0.33 - 1.20]	53 / 64.59 0.82 [0.61 - 1.07]
Other male genital organs (187)	0 / 0.06 0.00 [0.00 - 57.4]	0 / 0.07 0.00 [0.00 - 50.1]	0 / 0.06 0.00 [0.00 - 64.4]	0 / 0.07 0.00 [0.00 - 50.5]	0 / 0.27 0.00 [0.00 - 13.7]
Ischaemic heart disease (410-414) Test for trend : Chi2= 2.74 p=0.098	45 / 56.95 0.79 [0.58 - 1.06]	66 / 67.83 0.97 [0.75 - 1.24]	62 / 54.33 1.14 [0.87 - 1.46]	81 / 76.24 1.06 [0.84 - 1.32]	254 / 255.36 0.99 [0.88 - 1.12]
Bronchitis, emphysema & asthma (490-493) Test for trend : Chi2= 1.01 p=0.314	9 / 4.50 2.00 [0.92 - 3.80]	4 / 6.66 0.60 [0.16 - 1.54]	6 / 5.88 1.02 [0.37 - 2.22]	6 / 5.92 1.01 [0.37 - 2.21]	25 / 22.96 1.09 [0.70 - 1.61]

Table 2.15.4

Mortality from selected causes by cumulative exposure to CLVO (volatile organochlorine compounds)

TOTAL COHORT

Cumulative exposure (ppm-years)	0 - 32	33 - 102	103 - 218	229+	Total
ALL CAUSES	491 / 582.98 0.84 [0.77 - 0.92]	477 / 538.70 0.89 [0.81 - 0.97]	482 / 520.40 0.93 [0.85 - 1.01]	483 / 546.18 0.88 [0.81 - 0.97]	1933 / 2188.26 0.88 [0.84 - 0.92]
Test for trend : Chi2= 0.91 p=0.341					
ALL MALIGNANT NEOPLASMS (140-208)	136 / 139.85 0.97 [0.82 - 1.15]	133 / 125.95 1.06 [0.88 - 1.25]	106 / 122.12 0.87 [0.71 - 1.05]	145 / 130.05 1.11 [0.94 - 1.31]	520 / 517.97 1.00 [0.92 - 1.09]
Test for trend : Chi2= 0.41 p=0.520					
Pleura (163)	0 / 0.64 0.00 [0.00 - 5.75]	1 / 0.51 1.96 [0.05 - 10.9]	2 / 0.46 4.39 [0.53 - 15.9]	5 / 0.57 8.72 [2.83 - 20.3]	8 / 2.18 3.67 [1.58 - 7.23]
Test for trend : Chi2= 6.60 p=0.010					
Lung (162)	32 / 34.04 0.94 [0.64 - 1.33]	35 / 29.13 1.20 [0.84 - 1.67]	26 / 26.61 0.98 [0.64 - 1.43]	35 / 29.65 1.18 [0.82 - 1.64]	128 / 119.43 1.07 [0.89 - 1.27]
Test for trend : Chi2= 0.42 p=0.517					
Other male genital organs (187)	0 / 0.17 0.00 [0.00 - 22.1]	1 / 0.16 6.29 [0.16 - 35.0]	0 / 0.15 0.00 [0.00 - 24.0]	1 / 0.16 6.11 [0.15 - 34.0]	2 / 0.64 3.11 [0.38 - 11.2]
Test for trend : Chi2= 0.41 p=0.522					
Ischaemic heart disease (410-414)	129 / 139.88 0.92 [0.77 - 1.10]	136 / 146.71 0.93 [0.78 - 1.10]	185 / 160.42 1.15 [0.99 - 1.33]	155 / 179.26 0.86 [0.73 - 1.01]	605 / 626.28 0.97 [0.89 - 1.05]
Test for trend : Chi2= 0.00 p=0.995					
Bronchitis, emphysema & asthma (490-493)	10 / 14.22 0.70 [0.34 - 1.29]	15 / 13.21 1.14 [0.64 - 1.87]	9 / 11.87 0.76 [0.35 - 1.44]	7 / 12.83 0.55 [0.22 - 1.12]	41 / 52.13 0.79 [0.56 - 1.07]
Test for trend : Chi2= 0.54 p=0.462					

TOTAL COHORT

Men

Cumulative exposure (ppm-years)	0 - 32	33 - 102	103 - 218	229+	Total
ALL CAUSES	450 / 526.68 0.85 [0.78 - 0.94]	426 / 503.90 0.85 [0.77 - 0.93]	445 / 478.17 0.93 [0.85 - 1.02]	479 / 544.09 0.88 [0.80 - 0.96]	1800 / 2052.83 0.88 [0.84 - 0.92]
Test for trend : Chi2= 0.74 p=0.391					
ALL MALIGNANT NEOPLASMS (140-208)	119 / 117.47 1.01 [0.84 - 1.21]	111 / 113.37 0.98 [0.81 - 1.18]	100 / 111.49 0.90 [0.73 - 1.09]	143 / 129.46 1.10 [0.93 - 1.30]	473 / 471.79 1.00 [0.91 - 1.10]
Test for trend : Chi2= 0.29 p=0.588					
Pleura (163)	0 / 0.60 0.00 [0.00 - 6.12]	1 / 0.49 2.04 [0.05 - 11.4]	2 / 0.44 4.54 [0.55 - 16.4]	5 / 0.57 8.73 [2.83 - 20.4]	8 / 2.11 3.80 [1.64 - 7.49]
Test for trend : Chi2= 6.25 p=0.012					
Lung (162)	27 / 30.97 0.87 [0.57 - 1.27]	30 / 27.68 1.08 [0.73 - 1.55]	25 / 25.68 0.97 [0.63 - 1.44]	35 / 29.60 1.18 [0.82 - 1.64]	117 / 113.93 1.03 [0.85 - 1.23]
Test for trend : Chi2= 1.04 p=0.308					
Other male genital organs (187)	0 / 0.17 0.00 [0.00 - 22.1]	1 / 0.16 6.29 [0.16 - 35.0]	0 / 0.15 0.00 [0.00 - 24.0]	1 / 0.16 6.11 [0.15 - 34.0]	2 / 0.64 3.11 [0.38 - 11.2]
Test for trend : Chi2= 0.41 p=0.522					
Ischaemic heart disease (410-414)	121 / 132.11 0.92 [0.76 - 1.09]	127 / 140.29 0.91 [0.75 - 1.08]	172 / 149.37 1.15 [0.99 - 1.34]	155 / 178.68 0.87 [0.74 - 1.02]	575 / 600.46 0.96 [0.88 - 1.04]
Test for trend : Chi2= 0.01 p=0.934					
Bronchitis, emphysema & asthma (490-493)	8 / 12.28 0.65 [0.28 - 1.28]	15 / 12.25 1.22 [0.69 - 2.02]	7 / 11.05 0.63 [0.25 - 1.31]	7 / 12.79 0.55 [0.22 - 1.13]	37 / 48.36 0.77 [0.54 - 1.05]
Test for trend : Chi2= 0.67 p=0.415					

Table 2.15.5
Mortality from selected causes by cumulative exposure to COMB (combustion products)

TOTAL COHORT

Cumulative exposure (ppm-years)	0 - 7	8 - 20	21 - 42	43+	Total
ALL CAUSES Test for trend : Chi2= 0.11 p=0.737	1300 / 1451.37 0.90 [0.85 - 0.95]	1250 / 1332.35 0.94 [0.89 - 0.99]	1298 / 1438.66 0.90 [0.85 - 0.95]	1280 / 1431.41 0.89 [0.85 - 0.94]	5128 / 5653.79 0.91 [0.88 - 0.93]
ALL MALIGNANT NEOPLASMS (140-208) Test for trend : Chi2= 6.84 p=0.009	336 / 350.71 0.96 [0.86 - 1.07]	318 / 328.08 0.97 [0.87 - 1.08]	330 / 361.56 0.91 [0.82 - 1.02]	277 / 355.67 0.78 [0.69 - 0.88]	1261 / 1396.03 0.90 [0.85 - 0.95]
Nose & sinuses (160) Test for trend : Chi2= 0.04 p=0.844	1 / 0.87 1.15 [0.03 - 6.41]	1 / 1.00 1.00 [0.03 - 5.58]	4 / 1.65 2.42 [0.66 - 6.20]	1 / 1.67 0.60 [0.01 - 3.34]	7 / 5.19 1.35 [0.54 - 2.78]
Larynx (161) Test for trend : Chi2= 4.08 p=0.043	10 / 4.03 2.48 [1.19 - 4.57]	6 / 4.51 1.33 [0.49 - 2.89]	8 / 6.36 1.26 [0.54 - 2.48]	5 / 5.94 0.84 [0.27 - 1.96]	29 / 20.84 1.39 [0.93 - 2.00]
Lung (162) Test for trend : Chi2= 7.34 p=0.007	90 / 80.61 1.12 [0.90 - 1.37]	76 / 80.25 0.95 [0.75 - 1.19]	87 / 90.68 0.96 [0.77 - 1.18]	60 / 87.12 0.69 [0.53 - 0.89]	313 / 338.66 0.92 [0.82 - 1.03]
Other male genital organs (187) Test for trend : Chi2= 0.15 p=0.703	0 / 0.34 0.00 [0.00 - 11.0]	2 / 0.35 5.67 [0.69 - 20.5]	2 / 0.41 4.84 [0.59 - 17.5]	1 / 0.43 2.34 [0.06 - 13.0]	5 / 1.53 3.27 [1.06 - 7.63]
Bladder (188) Test for trend : Chi2= 5.03 p=0.025	13 / 9.16 1.42 [0.76 - 2.43]	11 / 10.54 1.04 [0.52 - 1.87]	11 / 12.89 0.85 [0.43 - 1.53]	7 / 13.46 0.52 [0.21 - 1.07]	42 / 46.04 0.91 [0.66 - 1.23]
Ischaemic heart disease (410-414) Test for trend : Chi2= 0.69 p=0.405	309 / 335.24 0.92 [0.82 - 1.03]	373 / 359.44 1.04 [0.94 - 1.15]	388 / 410.11 0.95 [0.85 - 1.05]	436 / 428.38 1.02 [0.92 - 1.12]	1506 / 1533.17 0.98 [0.93 - 1.03]
Bronchitis,emphysema & asthma (490-493) Test for trend : Chi2= 0.19 p=0.661	28 / 31.51 0.89 [0.59 - 1.28]	29 / 32.89 0.88 [0.59 - 1.27]	46 / 37.68 1.22 [0.89 - 1.63]	33 / 36.95 0.89 [0.61 - 1.25]	136 / 139.03 0.98 [0.82 - 1.16]

TOTAL COHORT

Men

Cumulative exposure (ppm-years)	0 - 7	8 - 20	21 - 42	43+	Total
ALL CAUSES Test for trend : Chi2= 0.24 p=0.621	1016 / 1167.93 0.87 [0.82 - 0.93]	1045 / 1141.38 0.92 [0.86 - 0.97]	1155 / 1281.20 0.90 [0.85 - 0.96]	1215 / 1356.87 0.90 [0.85 - 0.95]	4431 / 4947.38 0.90 [0.87 - 0.92]
ALL MALIGNANT NEOPLASMS (140-208) Test for trend : Chi2= 4.05 p=0.044	238 / 255.22 0.93 [0.82 - 1.06]	253 / 268.33 0.94 [0.83 - 1.07]	294 / 318.07 0.92 [0.82 - 1.04]	263 / 336.49 0.78 [0.69 - 0.88]	1048 / 1178.11 0.89 [0.84 - 0.95]
Nose & sinuses (160) Test for trend : Chi2= 0.11 p=0.745	1 / 0.74 1.35 [0.03 - 7.51]	1 / 0.91 1.10 [0.03 - 6.10]	4 / 1.58 2.53 [0.69 - 6.47]	1 / 1.64 0.61 [0.02 - 3.41]	7 / 4.88 1.44 [0.58 - 2.96]
Larynx (161) Test for trend : Chi2= 4.10 p=0.043	10 / 3.83 2.61 [1.25 - 4.80]	5 / 4.40 1.14 [0.37 - 2.65]	8 / 6.27 1.28 [0.55 - 2.51]	5 / 5.90 0.85 [0.27 - 1.98]	28 / 20.40 1.37 [0.91 - 1.98]
Lung (162) Test for trend : Chi2= 2.00 p=0.157	65 / 70.32 0.92 [0.71 - 1.18]	69 / 74.21 0.93 [0.72 - 1.18]	82 / 86.56 0.95 [0.75 - 1.18]	60 / 85.31 0.70 [0.54 - 0.91]	276 / 316.40 0.87 [0.77 - 0.98]
Other male genital organs (187) Test for trend : Chi2= 0.15 p=0.703	0 / 0.34 0.00 [0.00 - 11.0]	2 / 0.35 5.67 [0.69 - 20.5]	2 / 0.41 4.84 [0.59 - 17.5]	1 / 0.43 2.34 [0.06 - 13.0]	5 / 1.53 3.27 [1.06 - 7.63]
Bladder (188) Test for trend : Chi2= 3.72 p=0.054	11 / 7.93 1.39 [0.69 - 2.48]	9 / 9.66 0.93 [0.43 - 1.77]	11 / 12.12 0.91 [0.45 - 1.62]	7 / 13.08 0.54 [0.22 - 1.10]	38 / 42.78 0.89 [0.63 - 1.22]
Ischaemic heart disease (410-414) Test for trend : Chi2= 1.44 p=0.229	257 / 288.57 0.89 [0.79 - 1.01]	325 / 322.88 1.01 [0.90 - 1.12]	352 / 373.99 0.94 [0.85 - 1.04]	415 / 410.59 1.01 [0.92 - 1.11]	1349 / 1396.02 0.97 [0.92 - 1.02]
Bronchitis,emphysema & asthma (490-493) Test for trend : Chi2= 0.07 p=0.788	24 / 25.51 0.94 [0.60 - 1.40]	25 / 29.33 0.85 [0.55 - 1.26]	43 / 34.63 1.24 [0.90 - 1.67]	32 / 35.66 0.90 [0.61 - 1.27]	124 / 125.13 0.99 [0.82 - 1.18]

Table 2.15.6
Mortality from selected causes by cumulative exposure to FORM (formaldehyde)

TOTAL COHORT

Cumulative exposure (ppm-years)	0 - 4	4 - 9	10 - 18	19+	Total
ALL CAUSES Test for trend : Chi2= 2.28 p=0.131	277 / 338.63 0.82 [0.72 - 0.92]	250 / 260.66 0.96 [0.84 - 1.09]	271 / 284.57 0.95 [0.84 - 1.07]	259 / 277.45 0.93 [0.82 - 1.05]	1057 / 1161.32 0.91 [0.86 - 0.97]
ALL MALIGNANT NEOPLASMS (140-208) Test for trend : Chi2= 0.02 p=0.902	71 / 77.54 0.92 [0.72 - 1.15]	61 / 63.51 0.96 [0.73 - 1.23]	62 / 70.31 0.88 [0.68 - 1.13]	63 / 68.55 0.92 [0.71 - 1.18]	257 / 279.92 0.92 [0.81 - 1.04]
Lung (162) Test for trend : Chi2= 0.22 p=0.642	19 / 18.24 1.04 [0.63 - 1.63]	13 / 15.06 0.86 [0.46 - 1.48]	16 / 16.84 0.95 [0.54 - 1.54]	20 / 16.75 1.19 [0.73 - 1.84]	68 / 66.89 1.02 [0.79 - 1.29]
Other male genital organs (187)	0 / 0.11 0.00 [0.00 - 33.8]	0 / 0.09 0.00 [0.00 - 40.0]	0 / 0.11 0.00 [0.00 - 35.0]	0 / 0.10 0.00 [0.00 - 37.0]	0 / 0.41 0.00 [0.00 - 9.07]
Ischaemic heart disease (410-414) Test for trend : Chi2= 0.06 p=0.801	76 / 82.40 0.92 [0.73 - 1.15]	87 / 74.38 1.17 [0.94 - 1.44]	96 / 86.95 1.10 [0.89 - 1.35]	88 / 89.21 0.99 [0.79 - 1.22]	347 / 332.93 1.04 [0.94 - 1.16]
Bronchitis,emphysema & asthma (490-493) Test for trend : Chi2= 0.46 p=0.499	6 / 6.97 0.86 [0.32 - 1.87]	6 / 6.19 0.97 [0.36 - 2.11]	8 / 7.40 1.08 [0.47 - 2.13]	10 / 8.35 1.20 [0.57 - 2.20]	30 / 28.91 1.04 [0.70 - 1.48]

TOTAL COHORT

Men

Cumulative exposure (ppm-years)	0 - 4	4 - 9	10 - 18	19+	Total
ALL CAUSES Test for trend : Chi2= 2.48 p=0.115	262 / 323.09 0.81 [0.72 - 0.92]	242 / 249.14 0.97 [0.85 - 1.10]	264 / 274.58 0.96 [0.85 - 1.08]	258 / 276.04 0.93 [0.82 - 1.06]	1026 / 1122.85 0.91 [0.86 - 0.97]
ALL MALIGNANT NEOPLASMS (140-208) Test for trend : Chi2= 0.01 p=0.905	63 / 72.27 0.87 [0.67 - 1.12]	59 / 60.68 0.97 [0.74 - 1.25]	58 / 67.70 0.86 [0.65 - 1.11]	63 / 68.00 0.93 [0.71 - 1.19]	243 / 268.65 0.90 [0.79 - 1.03]
Lung (162) Test for trend : Chi2= 0.27 p=0.604	18 / 17.80 1.01 [0.60 - 1.60]	13 / 14.89 0.87 [0.46 - 1.49]	15 / 16.63 0.90 [0.50 - 1.49]	20 / 16.70 1.20 [0.73 - 1.85]	66 / 66.02 1.00 [0.77 - 1.27]
Other male genital organs (187)	0 / 0.11 0.00 [0.00 - 33.8]	0 / 0.09 0.00 [0.00 - 40.0]	0 / 0.11 0.00 [0.00 - 35.0]	0 / 0.10 0.00 [0.00 - 37.0]	0 / 0.41 0.00 [0.00 - 9.07]
Ischaemic heart disease (410-414) Test for trend : Chi2= 0.05 p=0.827	74 / 79.82 0.93 [0.73 - 1.16]	85 / 72.13 1.18 [0.94 - 1.46]	94 / 84.60 1.11 [0.90 - 1.36]	88 / 88.98 0.99 [0.79 - 1.22]	341 / 325.53 1.05 [0.94 - 1.16]
Bronchitis,emphysema & asthma (490-493) Test for trend : Chi2= 0.37 p=0.545	6 / 6.68 0.90 [0.33 - 1.95]	6 / 6.07 0.99 [0.36 - 2.15]	8 / 7.22 1.11 [0.48 - 2.18]	10 / 8.32 1.20 [0.58 - 2.21]	30 / 28.29 1.06 [0.72 - 1.51]

Table 2.15.7

Mortality from selected causes by cumulative exposure to FUNG (fungal spores and bacteria)

TOTAL COHORT

Cumulative exposure (ppm-years)	0 - 99486	99487-300725	300726-766460	766461+	Total
ALL CAUSES	507 / 603.28 0.84 [0.77 - 0.92]	507 / 577.99 0.88 [0.80 - 0.96]	507 / 661.67 0.77 [0.70 - 0.84]	507 / 567.50 0.89 [0.82 - 0.97]	2028 / 2410.44 0.84 [0.81 - 0.88]
Test for trend : Chi2= 0.04 p=0.841					
ALL MALIGNANT NEOPLASMS (140-208)	130 / 137.48 0.95 [0.79 - 1.12]	109 / 144.54 0.75 [0.62 - 0.91]	128 / 167.68 0.76 [0.64 - 0.91]	122 / 137.19 0.89 [0.74 - 1.06]	489 / 586.89 0.83 [0.76 - 0.91]
Test for trend : Chi2= 0.24 p=0.625					
Lung (162)	34 / 33.29 1.02 [0.71 - 1.43]	33 / 36.09 0.91 [0.63 - 1.28]	34 / 40.41 0.84 [0.58 - 1.18]	25 / 28.62 0.87 [0.57 - 1.29]	126 / 138.41 0.91 [0.76 - 1.08]
Test for trend : Chi2= 0.51 p=0.475					
Other male genital organs (187)	0 / 0.14 0.00 [0.00 - 26.0]	1 / 0.15 6.68 [0.17 - 37.2]	1 / 0.18 5.62 [0.14 - 31.3]	0 / 0.18 0.00 [0.00 - 20.9]	2 / 0.65 3.10 [0.37 - 11.2]
Test for trend : Chi2= 0.02 p=0.896					
Non-Hodgkins lymphoma (200,202)	2 / 3.56 0.56 [0.07 - 2.03]	3 / 3.29 0.91 [0.19 - 2.66]	0 / 3.77 0.00 [0.00 - 0.98]	3 / 2.97 1.01 [0.21 - 2.95]	8 / 13.60 0.59 [0.25 - 1.16]
Test for trend : Chi2= 0.01 p=0.903					
Ischaemic heart disease (410-414)	126 / 151.72 0.83 [0.69 - 0.99]	157 / 156.77 1.00 [0.85 - 1.17]	166 / 186.12 0.89 [0.76 - 1.04]	147 / 165.81 0.89 [0.75 - 1.04]	596 / 660.42 0.90 [0.83 - 0.98]
Test for trend : Chi2= 0.02 p=0.891					
Bronchitis,emphysema & asthma (490-493)	10 / 12.69 0.79 [0.38 - 1.45]	13 / 14.43 0.90 [0.48 - 1.54]	20 / 16.83 1.19 [0.73 - 1.84]	12 / 13.46 0.89 [0.46 - 1.56]	55 / 57.40 0.96 [0.72 - 1.25]
Test for trend : Chi2= 0.28 p=0.596					

TOTAL COHORT

Men

Cumulative exposure (ppm-years)	0 - 99486	99487-300725	300726-766460	766461+	Total
ALL CAUSES	430 / 531.03 0.81 [0.74 - 0.89]	466 / 524.56 0.89 [0.81 - 0.97]	447 / 586.45 0.76 [0.69 - 0.84]	489 / 550.38 0.89 [0.81 - 0.97]	1832 / 2192.42 0.84 [0.80 - 0.87]
Test for trend : Chi2= 0.37 p=0.544					
ALL MALIGNANT NEOPLASMS (140-208)	104 / 114.47 0.91 [0.74 - 1.10]	100 / 127.11 0.79 [0.64 - 0.96]	113 / 146.40 0.77 [0.64 - 0.93]	116 / 131.45 0.88 [0.73 - 1.06]	433 / 519.44 0.83 [0.76 - 0.92]
Test for trend : Chi2= 0.04 p=0.834					
Lung (162)	29 / 30.86 0.94 [0.63 - 1.35]	29 / 34.12 0.85 [0.57 - 1.22]	30 / 38.22 0.78 [0.53 - 1.12]	25 / 27.84 0.90 [0.58 - 1.33]	113 / 131.04 0.86 [0.71 - 1.04]
Test for trend : Chi2= 0.09 p=0.768					
Other male genital organs (187)	0 / 0.14 0.00 [0.00 - 26.0]	1 / 0.15 6.68 [0.17 - 37.2]	1 / 0.18 5.62 [0.14 - 31.3]	0 / 0.18 0.00 [0.00 - 20.9]	2 / 0.65 3.10 [0.37 - 11.2]
Test for trend : Chi2= 0.02 p=0.896					
Non-Hodgkins lymphoma (200,202)	2 / 3.10 0.65 [0.08 - 2.33]	3 / 2.95 1.02 [0.21 - 2.97]	0 / 3.33 0.00 [0.00 - 1.11]	3 / 2.86 1.05 [0.22 - 3.07]	8 / 12.23 0.65 [0.28 - 1.29]
Test for trend : Chi2= 0.00 p=0.971					
Ischaemic heart disease (410-414)	107 / 138.42 0.77 [0.63 - 0.93]	146 / 146.78 0.99 [0.84 - 1.17]	147 / 167.91 0.88 [0.74 - 1.03]	141 / 162.15 0.87 [0.73 - 1.03]	541 / 615.26 0.88 [0.81 - 0.96]
Test for trend : Chi2= 0.18 p=0.672					
Bronchitis,emphysema & asthma (490-493)	9 / 11.08 0.81 [0.37 - 1.54]	13 / 13.14 0.99 [0.53 - 1.69]	17 / 15.09 1.13 [0.66 - 1.80]	11 / 12.87 0.85 [0.43 - 1.53]	50 / 52.18 0.96 [0.71 - 1.26]
Test for trend : Chi2= 0.04 p=0.844					

Table 2.15.8

Mortality from selected causes by cumulative exposure to OILD (oils and synthetic fluids, dermal)

TOTAL COHORT

Cumulative exposure (ppm-years)	0 - 809	810 - 2544	2545 - 5066	5067+	Total
ALL CAUSES	799 / 1037.75 0.77 [0.72 - 0.83]	798 / 896.65 0.89 [0.83 - 0.95]	799 / 881.03 0.91 [0.85 - 0.97]	798 / 880.06 0.91 [0.84 - 0.97]	3194 / 3695.49 0.86 [0.83 - 0.89]
Test for trend : Chi2= 10.78 p=0.001					
ALL MALIGNANT NEOPLASMS (140-208)	188 / 216.97 0.87 [0.75 - 1.00]	192 / 200.68 0.96 [0.83 - 1.10]	203 / 213.43 0.95 [0.82 - 1.09]	222 / 218.74 1.01 [0.89 - 1.16]	805 / 849.84 0.95 [0.88 - 1.02]
Test for trend : Chi2= 2.24 p=0.135					
Lung (162)	51 / 56.10 0.91 [0.68 - 1.20]	57 / 50.52 1.13 [0.85 - 1.46]	64 / 56.08 1.14 [0.88 - 1.46]	53 / 55.81 0.95 [0.71 - 1.24]	225 / 218.51 1.03 [0.90 - 1.17]
Test for trend : Chi2= 0.06 p=0.810					
Pleura (163)	2 / 0.95 2.10 [0.25 - 7.57]	1 / 0.84 1.18 [0.03 - 6.59]	4 / 0.89 4.48 [1.22 - 11.5]	6 / 0.95 6.28 [2.31 - 13.7]	13 / 3.65 3.57 [1.90 - 6.10]
Test for trend : Chi2= 3.26 p=0.071					
Other male genital organs (187)	1 / 0.26 3.91 [0.10 - 21.8]	0 / 0.24 0.00 [0.00 - 15.3]	0 / 0.25 0.00 [0.00 - 14.5]	1 / 0.26 3.83 [0.10 - 21.3]	2 / 1.01 1.98 [0.24 - 7.14]
Test for trend : Chi2= 0.00 p=0.986					
Bladder (188)	6 / 6.23 0.96 [0.35 - 2.09]	10 / 6.15 1.63 [0.78 - 2.99]	6 / 7.05 0.85 [0.31 - 1.85]	9 / 7.85 1.15 [0.52 - 2.18]	31 / 27.28 1.14 [0.77 - 1.61]
Test for trend : Chi2= 0.01 p=0.904					
Ischaemic heart disease (410-414)	215 / 265.00 0.81 [0.71 - 0.93]	228 / 245.35 0.93 [0.81 - 1.06]	262 / 268.82 0.97 [0.86 - 1.10]	267 / 275.97 0.97 [0.85 - 1.09]	972 / 1055.14 0.92 [0.86 - 0.98]
Test for trend : Chi2= 3.85 p=0.050					
Bronchitis,emphysema & asthma (490-493)	18 / 21.32 0.84 [0.50 - 1.33]	20 / 19.13 1.05 [0.64 - 1.61]	16 / 20.84 0.77 [0.44 - 1.25]	11 / 21.81 0.50 [0.25 - 0.90]	65 / 83.11 0.78 [0.60 - 1.00]
Test for trend : Chi2= 2.26 p=0.133					

TOTAL COHORT

Men

Cumulative exposure (ppm-years)	0 - 809	810 - 2544	2545 - 5066	5067+	Total
ALL CAUSES	751 / 978.47 0.77 [0.71 - 0.82]	770 / 865.38 0.89 [0.83 - 0.95]	784 / 866.66 0.90 [0.84 - 0.97]	796 / 878.18 0.91 [0.84 - 0.97]	3101 / 3588.68 0.86 [0.83 - 0.90]
Test for trend : Chi2= 10.45 p=0.001					
ALL MALIGNANT NEOPLASMS (140-208)	176 / 202.89 0.87 [0.74 - 1.01]	183 / 192.02 0.95 [0.82 - 1.10]	196 / 209.39 0.94 [0.81 - 1.08]	222 / 218.31 1.02 [0.89 - 1.16]	777 / 822.60 0.94 [0.88 - 1.01]
Test for trend : Chi2= 2.09 p=0.148					
Lung (162)	50 / 55.17 0.91 [0.67 - 1.19]	55 / 49.84 1.10 [0.83 - 1.44]	62 / 55.72 1.11 [0.85 - 1.43]	53 / 55.79 0.95 [0.71 - 1.24]	220 / 216.52 1.02 [0.89 - 1.16]
Test for trend : Chi2= 0.06 p=0.808					
Pleura (163)	1 / 0.92 1.08 [0.03 - 6.03]	1 / 0.83 1.21 [0.03 - 6.73]	4 / 0.89 4.52 [1.23 - 11.6]	6 / 0.95 6.29 [2.31 - 13.7]	12 / 3.59 3.34 [1.73 - 5.83]
Test for trend : Chi2= 4.93 p=0.026					
Other male genital organs (187)	1 / 0.26 3.91 [0.10 - 21.8]	0 / 0.24 0.00 [0.00 - 15.3]	0 / 0.25 0.00 [0.00 - 14.5]	1 / 0.26 3.83 [0.10 - 21.3]	2 / 1.01 1.98 [0.24 - 7.14]
Test for trend : Chi2= 0.00 p=0.986					
Bladder (188)	6 / 6.06 0.99 [0.36 - 2.15]	10 / 6.04 1.66 [0.79 - 3.04]	6 / 6.99 0.86 [0.31 - 1.87]	9 / 7.84 1.15 [0.53 - 2.18]	31 / 26.93 1.15 [0.78 - 1.63]
Test for trend : Chi2= 0.03 p=0.859					
Ischaemic heart disease (410-414)	203 / 251.46 0.81 [0.70 - 0.93]	224 / 238.30 0.94 [0.82 - 1.07]	260 / 265.36 0.98 [0.86 - 1.11]	266 / 275.55 0.97 [0.85 - 1.09]	953 / 1030.66 0.92 [0.87 - 0.99]
Test for trend : Chi2= 3.66 p=0.056					
Bronchitis,emphysema & asthma (490-493)	16 / 20.63 0.78 [0.44 - 1.26]	20 / 18.68 1.07 [0.65 - 1.65]	16 / 20.62 0.78 [0.44 - 1.26]	11 / 21.78 0.51 [0.25 - 0.90]	63 / 81.72 0.77 [0.59 - 0.99]
Test for trend : Chi2= 1.65 p=0.198					

Table 2.15.9

Mortality from selected causes by cumulative exposure to OILI (oils and synthetic fluids, inhalatory)

TOTAL COHORT

Cumulative exposure (ppm-years)	0 - 3	4 - 5	6 - 8	9+	Total
ALL CAUSES Test for trend : Chi2= 0.51 p=0.476	45 / 49.39 0.91 [0.66 - 1.22]	35 / 28.18 1.24 [0.87 - 1.73]	48 / 34.50 1.39 [1.03 - 1.84]	35 / 35.67 0.98 [0.68 - 1.36]	163 / 147.74 1.10 [0.94 - 1.29]
ALL MALIGNANT NEOPLASMS (140-208) Test for trend : Chi2= 0.15 p=0.702	14 / 10.89 1.29 [0.70 - 2.16]	13 / 8.22 1.58 [0.84 - 2.70]	10 / 10.54 0.95 [0.46 - 1.75]	14 / 11.00 1.27 [0.70 - 2.14]	51 / 40.65 1.25 [0.93 - 1.65]
Lung (162) Test for trend : Chi2= 0.89 p=0.347	0 / 2.27 0.00 [0.00 - 1.62]	7 / 2.35 2.98 [1.20 - 6.13]	4 / 3.11 1.29 [0.35 - 3.30]	6 / 3.41 1.76 [0.65 - 3.83]	17 / 11.14 1.53 [0.89 - 2.44]
Other male genital organs (187)	0 / 0.01 0.00 [0.00 - 0.0597]	0 / 0.01 0.00 [0.00 - 0.0528]	0 / 0.01 0.00 [0.00 - 0.0412]	0 / 0.01 0.00 [0.00 - 0.0376]	0 / 0.03 0.00 [0.00 - 0.1116]
Ischaemic heart disease (410-414) Test for trend : Chi2= 0.20 p=0.652	11 / 9.66 1.14 [0.57 - 2.04]	7 / 9.26 0.76 [0.30 - 1.56]	19 / 11.86 1.60 [0.96 - 2.50]	14 / 12.71 1.10 [0.60 - 1.85]	51 / 43.49 1.17 [0.87 - 1.54]
Bronchitis,emphysema & asthma (490-493) Test for trend : Chi2= 0.36 p=0.547	2 / 1.08 1.84 [0.22 - 6.66]	2 / 0.75 2.67 [0.32 - 9.64]	4 / 0.95 4.21 [1.15 - 10.8]	0 / 1.01 0.00 [0.00 - 3.65]	8 / 3.80 2.11 [0.91 - 4.15]

TOTAL COHORT

Men

Cumulative exposure (ppm-years)	0 - 3	4 - 5	6 - 8	9+	Total
ALL CAUSES Test for trend : Chi2= 0.61 p=0.435	43 / 47.03 0.91 [0.66 - 1.23]	34 / 27.57 1.23 [0.85 - 1.72]	48 / 33.02 1.45 [1.07 - 1.93]	35 / 35.30 0.99 [0.69 - 1.38]	160 / 142.92 1.12 [0.95 - 1.31]
ALL MALIGNANT NEOPLASMS (140-208) Test for trend : Chi2= 0.03 p=0.868	12 / 10.02 1.20 [0.62 - 2.09]	13 / 7.97 1.63 [0.87 - 2.79]	10 / 9.95 1.01 [0.48 - 1.85]	14 / 10.87 1.29 [0.70 - 2.16]	49 / 38.81 1.26 [0.93 - 1.67]
Lung (162) Test for trend : Chi2= 0.82 p=0.365	0 / 2.19 0.00 [0.00 - 1.69]	7 / 2.32 3.02 [1.22 - 6.23]	4 / 3.02 1.33 [0.36 - 3.40]	6 / 3.39 1.77 [0.65 - 3.85]	17 / 10.91 1.56 [0.91 - 2.50]
Other male genital organs (187)	0 / 0.01 0.00 [0.00 - 0.0597]	0 / 0.01 0.00 [0.00 - 0.0528]	0 / 0.01 0.00 [0.00 - 0.0412]	0 / 0.01 0.00 [0.00 - 0.0376]	0 / 0.03 0.00 [0.00 - 0.1116]
Ischaemic heart disease (410-414) Test for trend : Chi2= 0.18 p=0.668	11 / 9.47 1.16 [0.58 - 2.08]	7 / 9.13 0.77 [0.31 - 1.58]	19 / 11.52 1.65 [0.99 - 2.58]	14 / 12.61 1.11 [0.61 - 1.86]	51 / 42.74 1.19 [0.89 - 1.57]
Bronchitis,emphysema & asthma (490-493) Test for trend : Chi2= 0.46 p=0.499	2 / 0.99 2.01 [0.24 - 7.27]	2 / 0.73 2.73 [0.33 - 9.88]	4 / 0.91 4.40 [1.20 - 11.3]	0 / 1.00 0.00 [0.00 - 3.68]	8 / 3.64 2.20 [0.95 - 4.34]

Table 2.15.10
Mortality from selected causes by cumulative exposure to PUPA (pulp or paper dust)

TOTAL COHORT

Cumulative exposure (ppm-years)	0 - 8	9 - 22	23 - 47	48+	Total
ALL CAUSES	2124 / 2322.17 0.91 [0.88 - 0.95]	1934 / 1957.73 0.99 [0.94 - 1.03]	2023 / 2166.06 0.93 [0.89 - 0.98]	2031 / 2275.73 0.89 [0.85 - 0.93]	8112 / 8721.69 0.93 [0.91 - 0.95]
Test for trend : Chi2= 1.53 p=0.217					
ALL MALIGNANT NEOPLASMS (140-208)	509 / 542.24 0.94 [0.86 - 1.02]	495 / 480.92 1.03 [0.94 - 1.12]	525 / 533.80 0.98 [0.90 - 1.07]	503 / 569.95 0.88 [0.81 - 0.96]	2032 / 2126.91 0.96 [0.91 - 1.00]
Test for trend : Chi2= 1.32 p=0.250					
Oral cavity & pharynx (140-149)	8 / 11.18 0.72 [0.31 - 1.41]	11 / 10.24 1.07 [0.54 - 1.92]	7 / 13.14 0.53 [0.21 - 1.10]	9 / 14.44 0.62 [0.28 - 1.18]	35 / 49.00 0.71 [0.50 - 0.99]
Test for trend : Chi2= 0.57 p=0.452					
Larynx (161)	7 / 5.69 1.23 [0.49 - 2.53]	9 / 5.33 1.69 [0.77 - 3.20]	6 / 7.13 0.84 [0.31 - 1.83]	7 / 8.08 0.87 [0.35 - 1.79]	29 / 26.23 1.11 [0.74 - 1.59]
Test for trend : Chi2= 1.13 p=0.288					
Lung (162)	128 / 127.51 1.00 [0.84 - 1.19]	133 / 110.92 1.20 [1.00 - 1.42]	149 / 126.37 1.18 [1.00 - 1.38]	117 / 138.38 0.85 [0.70 - 1.01]	527 / 503.18 1.05 [0.96 - 1.14]
Test for trend : Chi2= 1.65 p=0.199					
Pleura (163)	2 / 2.33 0.86 [0.10 - 3.11]	2 / 1.95 1.02 [0.12 - 3.70]	5 / 2.21 2.26 [0.73 - 5.27]	5 / 2.39 2.09 [0.68 - 4.88]	14 / 8.88 1.58 [0.86 - 2.64]
Test for trend : Chi2= 1.73 p=0.188					
Other male genital organs (187)	2 / 0.59 3.41 [0.41 - 12.3]	1 / 0.52 1.91 [0.05 - 10.7]	1 / 0.62 1.62 [0.04 - 9.02]	1 / 0.65 1.53 [0.04 - 8.51]	5 / 2.38 2.10 [0.68 - 4.90]
Test for trend : Chi2= 0.51 p=0.475					
Ischaemic heart disease (410-414)	522 / 575.78 0.91 [0.83 - 0.99]	564 / 530.09 1.06 [0.98 - 1.16]	627 / 630.12 1.00 [0.92 - 1.08]	676 / 685.09 0.99 [0.91 - 1.06]	2389 / 2421.09 0.99 [0.95 - 1.03]
Test for trend : Chi2= 0.86 p=0.354					
Bronchitis,emphysema & asthma (490-493)	55 / 48.74 1.13 [0.85 - 1.47]	47 / 45.62 1.03 [0.76 - 1.37]	49 / 51.59 0.95 [0.70 - 1.26]	43 / 56.49 0.76 [0.55 - 1.03]	194 / 202.44 0.96 [0.83 - 1.10]
Test for trend : Chi2= 3.86 p=0.050					

TOTAL COHORT

Men

Cumulative exposure (ppm-years)	0 - 8	9 - 22	23 - 47	48+	Total
ALL CAUSES	1808 / 1971.54 0.92 [0.88 - 0.96]	1622 / 1634.81 0.99 [0.94 - 1.04]	1763 / 1911.48 0.92 [0.88 - 0.97]	1846 / 2075.48 0.89 [0.85 - 0.93]	7039 / 7593.31 0.93 [0.91 - 0.95]
Test for trend : Chi2= 2.28 p=0.131					
ALL MALIGNANT NEOPLASMS (140-208)	400 / 430.70 0.93 [0.84 - 1.02]	398 / 382.80 1.04 [0.94 - 1.15]	446 / 460.66 0.97 [0.88 - 1.06]	454 / 518.18 0.88 [0.80 - 0.96]	1698 / 1792.34 0.95 [0.90 - 0.99]
Test for trend : Chi2= 1.43 p=0.232					
Oral cavity & pharynx (140-149)	8 / 10.12 0.79 [0.34 - 1.56]	11 / 9.29 1.18 [0.59 - 2.12]	6 / 12.41 0.48 [0.18 - 1.05]	9 / 13.92 0.65 [0.30 - 1.23]	34 / 45.74 0.74 [0.51 - 1.04]
Test for trend : Chi2= 0.94 p=0.332					
Larynx (161)	7 / 5.48 1.28 [0.51 - 2.63]	9 / 5.16 1.75 [0.80 - 3.31]	6 / 6.99 0.86 [0.31 - 1.87]	6 / 7.97 0.75 [0.28 - 1.64]	28 / 25.60 1.09 [0.73 - 1.58]
Test for trend : Chi2= 1.85 p=0.174					
Lung (162)	109 / 116.79 0.93 [0.77 - 1.13]	115 / 101.67 1.13 [0.93 - 1.36]	140 / 119.79 1.17 [0.98 - 1.38]	115 / 133.82 0.86 [0.71 - 1.03]	479 / 472.07 1.01 [0.93 - 1.11]
Test for trend : Chi2= 0.30 p=0.586					
Pleura (163)	1 / 2.15 0.46 [0.01 - 2.59]	2 / 1.80 1.11 [0.13 - 4.01]	5 / 2.09 2.39 [0.78 - 5.58]	4 / 2.30 1.74 [0.47 - 4.45]	12 / 8.35 1.44 [0.74 - 2.51]
Test for trend : Chi2= 1.90 p=0.168					
Other male genital organs (187)	2 / 0.59 3.41 [0.41 - 12.3]	1 / 0.52 1.91 [0.05 - 10.7]	1 / 0.62 1.62 [0.04 - 9.02]	1 / 0.65 1.53 [0.04 - 8.51]	5 / 2.38 2.10 [0.68 - 4.90]
Test for trend : Chi2= 0.51 p=0.475					
Ischaemic heart disease (410-414)	462 / 516.74 0.89 [0.81 - 0.98]	485 / 467.06 1.04 [0.95 - 1.14]	568 / 575.10 0.99 [0.91 - 1.07]	631 / 638.30 0.99 [0.91 - 1.07]	2146 / 2197.21 0.98 [0.94 - 1.02]
Test for trend : Chi2= 1.49 p=0.223					
Bronchitis,emphysema & asthma (490-493)	51 / 42.51 1.20 [0.89 - 1.58]	45 / 40.00 1.13 [0.82 - 1.51]	45 / 47.30 0.95 [0.69 - 1.27]	38 / 52.98 0.72 [0.51 - 0.98]	179 / 182.78 0.98 [0.84 - 1.13]
Test for trend : Chi2= 6.44 p=0.011					

Table 2.15.11
Mortality from selected causes by cumulative exposure to SO₂ (sulfure dioxide)

TOTAL COHORT

Cumulative exposure (ppm-years)	0 - 22	23 - 61	62 - 127	128+	Total
ALL CAUSES Test for trend : Chi2= 0.79 p=0.374	171 / 204.51 0.84 [0.72 - 0.97]	173 / 170.34 1.02 [0.87 - 1.18]	166 / 190.42 0.87 [0.74 - 1.01]	171 / 176.28 0.97 [0.83 - 1.13]	681 / 741.55 0.92 [0.85 - 0.99]
ALL MALIGNANT NEOPLASMS (140-208) Test for trend : Chi2= 0.16 p=0.689	44 / 46.48 0.95 [0.69 - 1.27]	41 / 42.31 0.97 [0.70 - 1.31]	32 / 44.11 0.73 [0.50 - 1.02]	44 / 38.67 1.14 [0.83 - 1.53]	161 / 171.56 0.94 [0.80 - 1.10]
Lung (162) Test for trend : Chi2= 3.56 p=0.059	11 / 11.57 0.95 [0.47 - 1.70]	18 / 11.10 1.62 [0.96 - 2.56]	13 / 10.42 1.25 [0.66 - 2.13]	16 / 7.02 2.28 [1.30 - 3.70]	58 / 40.11 1.45 [1.10 - 1.87]
Other male genital organs (187) Test for trend : Chi2= 0.24 p=0.622	0 / 0.05 0.00 [0.00 - 71.2]	1 / 0.05 20.40 [0.51 - 0114]	0 / 0.06 0.00 [0.00 - 65.8]	0 / 0.06 0.00 [0.00 - 64.5]	1 / 0.21 4.67 [0.12 - 26.0]
Ischaemic heart disease (410-414) Test for trend : Chi2= 0.03 p=0.870	45 / 54.89 0.82 [0.60 - 1.10]	64 / 53.61 1.19 [0.92 - 1.52]	68 / 61.41 1.11 [0.86 - 1.40]	49 / 55.80 0.88 [0.65 - 1.16]	226 / 225.71 1.00 [0.87 - 1.14]
Bronchitis,emphysema & asthma (490-493) Test for trend : Chi2= 0.00 p=0.979	2 / 4.20 0.48 [0.06 - 1.72]	4 / 4.42 0.91 [0.25 - 2.32]	4 / 4.97 0.80 [0.22 - 2.06]	2 / 3.92 0.51 [0.06 - 1.84]	12 / 17.51 0.69 [0.35 - 1.20]

TOTAL COHORT

Men

Cumulative exposure (ppm-years)	0 - 22	23 - 61	62 - 127	128+	Total
ALL CAUSES Test for trend : Chi2= 0.45 p=0.503	165 / 193.50 0.85 [0.73 - 0.99]	171 / 165.37 1.03 [0.88 - 1.20]	166 / 188.87 0.88 [0.75 - 1.02]	171 / 176.28 0.97 [0.83 - 1.13]	673 / 724.01 0.93 [0.86 - 1.00]
ALL MALIGNANT NEOPLASMS (140-208) Test for trend : Chi2= 0.27 p=0.601	40 / 43.62 0.92 [0.66 - 1.25]	41 / 41.05 1.00 [0.72 - 1.35]	32 / 43.61 0.73 [0.50 - 1.04]	44 / 38.67 1.14 [0.83 - 1.53]	157 / 166.94 0.94 [0.80 - 1.10]
Lung (162) Test for trend : Chi2= 3.39 p=0.065	11 / 11.38 0.97 [0.48 - 1.73]	18 / 11.01 1.64 [0.97 - 2.58]	13 / 10.36 1.25 [0.67 - 2.14]	16 / 7.02 2.28 [1.30 - 3.70]	58 / 39.77 1.46 [1.11 - 1.89]
Other male genital organs (187) Test for trend : Chi2= 0.24 p=0.622	0 / 0.05 0.00 [0.00 - 71.2]	1 / 0.05 20.40 [0.51 - 0114]	0 / 0.06 0.00 [0.00 - 65.8]	0 / 0.06 0.00 [0.00 - 64.5]	1 / 0.21 4.67 [0.12 - 26.0]
Ischaemic heart disease (410-414) Test for trend : Chi2= 0.02 p=0.887	43 / 52.28 0.82 [0.60 - 1.11]	62 / 52.30 1.19 [0.91 - 1.52]	68 / 61.03 1.11 [0.87 - 1.41]	49 / 55.80 0.88 [0.65 - 1.16]	222 / 221.41 1.00 [0.88 - 1.14]
Bronchitis,emphysema & asthma (490-493) Test for trend : Chi2= 0.00 p=0.992	2 / 4.08 0.49 [0.06 - 1.77]	4 / 4.36 0.92 [0.25 - 2.35]	4 / 4.95 0.81 [0.22 - 2.07]	2 / 3.92 0.51 [0.06 - 1.84]	12 / 17.30 0.69 [0.36 - 1.21]

Table 2.15.12

Mortality from selected causes by cumulative exposure to SOLD (nonchlorinated organic solvent, dermal)

TOTAL COHORT

Cumulative exposure (ppm-years)	0 - 530	531 - 1426	1427 - 2572	2573+	Total
ALL CAUSES	966 / 1191.17 0.81 [0.76 - 0.86]	965 / 1064.79 0.91 [0.85 - 0.97]	965 / 1024.29 0.94 [0.88 - 1.00]	966 / 1075.32 0.90 [0.84 - 0.96]	3862 / 4355.56 0.89 [0.86 - 0.92]
Test for trend : Chi2= 5.95 p=0.015					
ALL MALIGNANT NEOPLASMS (140-208)	228 / 247.90 0.92 [0.80 - 1.05]	238 / 243.24 0.98 [0.86 - 1.11]	252 / 249.94 1.01 [0.89 - 1.14]	254 / 265.60 0.96 [0.84 - 1.08]	972 / 1006.68 0.97 [0.91 - 1.03]
Test for trend : Chi2= 0.24 p=0.626					
Lung (162)	67 / 60.19 1.11 [0.86 - 1.41]	65 / 59.27 1.10 [0.85 - 1.40]	76 / 64.96 1.17 [0.92 - 1.46]	60 / 66.29 0.91 [0.69 - 1.17]	268 / 250.71 1.07 [0.94 - 1.20]
Test for trend : Chi2= 0.94 p=0.332					
Pleura (163)	2 / 1.12 1.78 [0.22 - 6.43]	1 / 1.02 0.98 [0.02 - 5.45]	4 / 1.07 3.75 [1.02 - 9.59]	6 / 1.20 4.98 [1.83 - 10.8]	13 / 4.42 2.94 [1.57 - 5.03]
Test for trend : Chi2= 2.95 p=0.086					
Soft tissue (171)	0 / 1.46 0.00 [0.00 - 2.53]	2 / 1.18 1.70 [0.21 - 6.13]	0 / 1.04 0.00 [0.00 - 3.56]	2 / 0.94 2.13 [0.26 - 7.68]	4 / 4.62 0.87 [0.24 - 2.22]
Test for trend : Chi2= 1.49 p=0.222					
Other male genital organs (187)	1 / 0.31 3.28 [0.08 - 18.2]	0 / 0.30 0.00 [0.00 - 12.3]	0 / 0.30 0.00 [0.00 - 12.2]	1 / 0.32 3.11 [0.08 - 17.3]	2 / 1.23 1.63 [0.20 - 5.89]
Test for trend : Chi2= 0.00 p=0.979					
Ischaemic heart disease (410-414)	230 / 289.60 0.79 [0.69 - 0.90]	287 / 297.41 0.96 [0.86 - 1.08]	318 / 313.57 1.01 [0.91 - 1.13]	339 / 342.31 0.99 [0.89 - 1.10]	1174 / 1242.90 0.94 [0.89 - 1.00]
Test for trend : Chi2= 6.31 p=0.012					
Bronchitis,emphysema & asthma (490-493)	23 / 22.59 1.02 [0.65 - 1.53]	23 / 22.35 1.03 [0.65 - 1.54]	18 / 24.44 0.74 [0.44 - 1.16]	15 / 26.62 0.56 [0.32 - 0.93]	79 / 96.01 0.82 [0.65 - 1.03]
Test for trend : Chi2= 4.12 p=0.042					

TOTAL COHORT

Men

Cumulative exposure (ppm-years)	0 - 530	531 - 1426	1427 - 2572	2573+	Total
ALL CAUSES	923 / 1138.81 0.81 [0.76 - 0.86]	933 / 1026.11 0.91 [0.85 - 0.97]	939 / 1002.15 0.94 [0.88 - 1.00]	959 / 1067.82 0.90 [0.84 - 0.96]	3754 / 4234.89 0.89 [0.86 - 0.92]
Test for trend : Chi2= 5.42 p=0.020					
ALL MALIGNANT NEOPLASMS (140-208)	212 / 234.66 0.90 [0.79 - 1.03]	228 / 233.23 0.98 [0.85 - 1.11]	244 / 243.70 1.00 [0.88 - 1.14]	252 / 263.88 0.95 [0.84 - 1.08]	936 / 975.47 0.96 [0.90 - 1.02]
Test for trend : Chi2= 0.37 p=0.544					
Lung (162)	65 / 59.29 1.10 [0.85 - 1.40]	63 / 58.57 1.08 [0.83 - 1.38]	74 / 64.44 1.15 [0.90 - 1.44]	60 / 66.15 0.91 [0.69 - 1.17]	262 / 248.45 1.05 [0.93 - 1.19]
Test for trend : Chi2= 0.77 p=0.380					
Pleura (163)	1 / 1.10 0.91 [0.02 - 5.07]	1 / 1.00 1.00 [0.02 - 5.55]	4 / 1.06 3.79 [1.03 - 9.69]	6 / 1.20 5.00 [1.83 - 10.9]	12 / 4.36 2.75 [1.42 - 4.81]
Test for trend : Chi2= 4.63 p=0.031					
Soft tissue (171)	0 / 1.39 0.00 [0.00 - 2.66]	2 / 1.13 1.77 [0.21 - 6.39]	0 / 1.01 0.00 [0.00 - 3.66]	2 / 0.93 2.14 [0.26 - 7.75]	4 / 4.46 0.90 [0.24 - 2.30]
Test for trend : Chi2= 1.41 p=0.236					
Other male genital organs (187)	1 / 0.31 3.28 [0.08 - 18.2]	0 / 0.30 0.00 [0.00 - 12.3]	0 / 0.30 0.00 [0.00 - 12.2]	1 / 0.32 3.11 [0.08 - 17.3]	2 / 1.23 1.63 [0.20 - 5.89]
Test for trend : Chi2= 0.00 p=0.979					
Ischaemic heart disease (410-414)	221 / 278.84 0.79 [0.69 - 0.90]	284 / 288.74 0.98 [0.87 - 1.10]	311 / 308.30 1.01 [0.90 - 1.13]	337 / 340.37 0.99 [0.89 - 1.10]	1153 / 1216.26 0.95 [0.89 - 1.00]
Test for trend : Chi2= 5.66 p=0.017					
Bronchitis,emphysema & asthma (490-493)	22 / 21.94 1.00 [0.63 - 1.52]	23 / 21.88 1.05 [0.67 - 1.58]	18 / 24.11 0.75 [0.44 - 1.18]	14 / 26.51 0.53 [0.29 - 0.89]	77 / 94.44 0.82 [0.64 - 1.02]
Test for trend : Chi2= 4.52 p=0.034					

Table 2.14.13

Mortality from selected causes by cumulative exposure to SOLI (nonchlorinated organic solvent, inhalatory)

TOTAL COHORT

Cumulative exposure (ppm-years)	0 - 1	2 - 5	6 - 12	13+	Total
ALL CAUSES	1002 / 1185.38 0.85 [0.79 - 0.90]	1145 / 1258.01 0.91 [0.86 - 0.96]	1149 / 1239.45 0.93 [0.87 - 0.98]	1093 / 1204.56 0.91 [0.85 - 0.96]	4389 / 4887.40 0.90 [0.87 - 0.92]
Test for trend : Chi2= 2.72 p=0.099					
ALL MALIGNANT NEOPLASMS (140-208)	238 / 253.36 0.94 [0.82 - 1.07]	278 / 287.32 0.97 [0.86 - 1.09]	277 / 297.09 0.93 [0.83 - 1.05]	296 / 296.74 1.00 [0.89 - 1.12]	1089 / 1134.51 0.96 [0.90 - 1.02]
Test for trend : Chi2= 0.28 p=0.595					
Lung (162)	66 / 59.55 1.11 [0.86 - 1.41]	66 / 67.97 0.97 [0.75 - 1.24]	82 / 73.69 1.11 [0.88 - 1.38]	76 / 75.65 1.00 [0.79 - 1.26]	290 / 276.86 1.05 [0.93 - 1.18]
Test for trend : Chi2= 0.08 p=0.778					
Soft tissue (171)	2 / 1.49 1.34 [0.16 - 4.85]	1 / 1.40 0.71 [0.02 - 3.98]	2 / 1.26 1.58 [0.19 - 5.71]	2 / 1.05 1.90 [0.23 - 6.87]	7 / 5.21 1.34 [0.54 - 2.77]
Test for trend : Chi2= 0.26 p=0.612					
Other male genital organs (187)	1 / 0.31 3.21 [0.08 - 17.9]	1 / 0.36 2.77 [0.07 - 15.5]	0 / 0.36 0.00 [0.00 - 10.1]	1 / 0.36 2.81 [0.07 - 15.7]	3 / 1.39 2.15 [0.44 - 6.30]
Test for trend : Chi2= 0.12 p=0.733					
Non-Hodgkins lymphoma (200,202)	5 / 7.40 0.68 [0.22 - 1.58]	8 / 7.52 1.06 [0.46 - 2.10]	5 / 7.38 0.68 [0.22 - 1.58]	5 / 6.94 0.72 [0.23 - 1.68]	23 / 29.24 0.79 [0.50 - 1.18]
Test for trend : Chi2= 0.03 p=0.865					
Ischaemic heart disease (410-414)	255 / 293.22 0.87 [0.77 - 0.98]	335 / 345.24 0.97 [0.87 - 1.08]	388 / 378.13 1.03 [0.93 - 1.13]	360 / 380.25 0.95 [0.85 - 1.05]	1338 / 1396.85 0.96 [0.91 - 1.01]
Test for trend : Chi2= 1.16 p=0.282					
Bronchitis,emphysema & asthma (490-493)	20 / 22.35 0.89 [0.55 - 1.38]	32 / 26.44 1.21 [0.83 - 1.71]	29 / 28.58 1.01 [0.68 - 1.46]	19 / 30.46 0.62 [0.38 - 0.97]	100 / 107.82 0.93 [0.75 - 1.13]
Test for trend : Chi2= 1.92 p=0.166					

TOTAL COHORT

Men

Cumulative exposure (ppm-years)	0 - 1	2 - 5	6 - 12	13+	Total
ALL CAUSES	943 / 1106.91 0.85 [0.80 - 0.91]	1100 / 1215.41 0.91 [0.85 - 0.96]	1126 / 1213.55 0.93 [0.87 - 0.98]	1089 / 1201.41 0.91 [0.85 - 0.96]	4258 / 4737.28 0.90 [0.87 - 0.93]
Test for trend : Chi2= 2.13 p=0.144					
ALL MALIGNANT NEOPLASMS (140-208)	221 / 233.55 0.95 [0.83 - 1.08]	259 / 274.29 0.94 [0.83 - 1.07]	269 / 290.20 0.93 [0.82 - 1.04]	295 / 295.84 1.00 [0.89 - 1.12]	1044 / 1093.89 0.95 [0.90 - 1.01]
Test for trend : Chi2= 0.29 p=0.588					
Lung (162)	64 / 58.26 1.10 [0.85 - 1.40]	64 / 66.99 0.96 [0.74 - 1.22]	80 / 73.15 1.09 [0.87 - 1.36]	76 / 75.56 1.01 [0.79 - 1.26]	284 / 273.96 1.04 [0.92 - 1.16]
Test for trend : Chi2= 0.05 p=0.825					
Soft tissue (171)	2 / 1.38 1.45 [0.17 - 5.22]	1 / 1.34 0.75 [0.02 - 4.17]	2 / 1.23 1.62 [0.20 - 5.86]	2 / 1.05 1.91 [0.23 - 6.90]	7 / 5.00 1.40 [0.56 - 2.88]
Test for trend : Chi2= 0.19 p=0.661					
Other male genital organs (187)	1 / 0.31 3.21 [0.08 - 17.9]	1 / 0.36 2.77 [0.07 - 15.5]	0 / 0.36 0.00 [0.00 - 10.1]	1 / 0.36 2.81 [0.07 - 15.7]	3 / 1.39 2.15 [0.44 - 6.30]
Test for trend : Chi2= 0.12 p=0.733					
Non-Hodgkins lymphoma (200,202)	5 / 6.89 0.73 [0.24 - 1.69]	8 / 7.20 1.11 [0.48 - 2.19]	5 / 7.19 0.70 [0.23 - 1.62]	5 / 6.92 0.72 [0.23 - 1.69]	23 / 28.20 0.82 [0.52 - 1.22]
Test for trend : Chi2= 0.08 p=0.774					
Ischaemic heart disease (410-414)	239 / 278.23 0.86 [0.75 - 0.98]	328 / 337.16 0.97 [0.87 - 1.08]	386 / 371.93 1.04 [0.94 - 1.15]	358 / 379.52 0.94 [0.85 - 1.05]	1311 / 1366.85 0.96 [0.91 - 1.01]
Test for trend : Chi2= 1.30 p=0.255					
Bronchitis,emphysema & asthma (490-493)	18 / 21.41 0.84 [0.50 - 1.33]	31 / 25.83 1.20 [0.82 - 1.70]	29 / 28.22 1.03 [0.69 - 1.48]	19 / 30.40 0.62 [0.38 - 0.98]	97 / 105.87 0.92 [0.74 - 1.12]
Test for trend : Chi2= 1.43 p=0.232					

Table 2.15.14

Mortality from selected causes by cumulative exposure to SULP (reduced sulfure compounds)

TOTAL COHORT

Cumulative exposure (ppm-years)	0 - 2	3 - 6	7 - 15	16+	Total
ALL CAUSES Test for trend : Chi2= 0.00 p=0.955	619 / 754.61 0.82 [0.76 - 0.89]	509 / 612.96 0.83 [0.76 - 0.91]	595 / 765.88 0.78 [0.72 - 0.84]	604 / 717.85 0.84 [0.78 - 0.91]	2327 / 2851.31 0.82 [0.78 - 0.85]
ALL MALIGNANT NEOPLASMS (140-208) Test for trend : Chi2= 0.75 p=0.386	141 / 156.49 0.90 [0.76 - 1.06]	119 / 141.56 0.84 [0.70 - 1.01]	118 / 177.77 0.66 [0.55 - 0.79]	136 / 155.78 0.87 [0.73 - 1.03]	514 / 631.61 0.81 [0.74 - 0.89]
Lung (162) Test for trend : Chi2= 0.97 p=0.325	40 / 37.82 1.06 [0.76 - 1.44]	32 / 35.81 0.89 [0.61 - 1.26]	28 / 43.83 0.64 [0.42 - 0.92]	36 / 38.76 0.93 [0.65 - 1.29]	136 / 156.23 0.87 [0.73 - 1.03]
Pleura (163) Test for trend : Chi2= 0.04 p=0.840	1 / 0.60 1.68 [0.04 - 9.36]	1 / 0.57 1.74 [0.04 - 9.72]	2 / 0.68 2.93 [0.35 - 10.6]	1 / 0.56 1.78 [0.04 - 9.94]	5 / 2.41 2.07 [0.67 - 4.84]
Other male genital organs (187)	0 / 0.17 0.00 [0.00 - 22.3]	0 / 0.14 0.00 [0.00 - 25.9]	0 / 0.19 0.00 [0.00 - 19.8]	0 / 0.19 0.00 [0.00 - 19.8]	0 / 0.68 0.00 [0.00 - 5.42]
Ischaemic heart disease (410-414) Test for trend : Chi2= 2.35 p=0.126	152 / 187.93 0.81 [0.69 - 0.95]	126 / 169.84 0.74 [0.62 - 0.88]	183 / 227.96 0.80 [0.69 - 0.93]	212 / 228.13 0.93 [0.81 - 1.06]	673 / 813.87 0.83 [0.77 - 0.89]
Bronchitis,emphysema & asthma (490-493) Test for trend : Chi2= 1.33 p=0.249	13 / 13.99 0.93 [0.49 - 1.59]	11 / 13.10 0.84 [0.42 - 1.50]	16 / 17.16 0.93 [0.53 - 1.51]	9 / 17.28 0.52 [0.24 - 0.99]	49 / 61.53 0.80 [0.59 - 1.05]

TOTAL COHORT

Men

Cumulative exposure (ppm-years)	0 - 2	3 - 6	7 - 15	16+	Total
ALL CAUSES Test for trend : Chi2= 0.13 p=0.717	588 / 703.59 0.84 [0.77 - 0.91]	487 / 570.10 0.85 [0.78 - 0.93]	566 / 722.61 0.78 [0.72 - 0.85]	585 / 696.65 0.84 [0.77 - 0.91]	2226 / 2692.95 0.83 [0.79 - 0.86]
ALL MALIGNANT NEOPLASMS (140-208) Test for trend : Chi2= 0.51 p=0.476	127 / 143.30 0.89 [0.74 - 1.05]	114 / 131.71 0.87 [0.71 - 1.04]	115 / 167.54 0.69 [0.57 - 0.82]	131 / 150.87 0.87 [0.73 - 1.03]	487 / 593.43 0.82 [0.75 - 0.90]
Lung (162) Test for trend : Chi2= 0.84 p=0.358	39 / 37.01 1.05 [0.75 - 1.44]	32 / 35.19 0.91 [0.62 - 1.28]	28 / 43.12 0.65 [0.43 - 0.94]	36 / 38.43 0.94 [0.66 - 1.30]	135 / 153.75 0.88 [0.74 - 1.04]
Pleura (163) Test for trend : Chi2= 0.04 p=0.851	1 / 0.57 1.76 [0.04 - 9.81]	1 / 0.55 1.82 [0.05 - 10.1]	2 / 0.65 3.07 [0.37 - 11.1]	1 / 0.55 1.83 [0.05 - 10.2]	5 / 2.32 2.16 [0.70 - 5.04]
Other male genital organs (187)	0 / 0.17 0.00 [0.00 - 22.3]	0 / 0.14 0.00 [0.00 - 25.9]	0 / 0.19 0.00 [0.00 - 19.8]	0 / 0.19 0.00 [0.00 - 19.8]	0 / 0.68 0.00 [0.00 - 5.42]
Ischaemic heart disease (410-414) Test for trend : Chi2= 1.49 p=0.222	145 / 178.15 0.81 [0.69 - 0.96]	123 / 159.74 0.77 [0.64 - 0.92]	170 / 216.64 0.78 [0.67 - 0.91]	205 / 222.52 0.92 [0.80 - 1.06]	643 / 777.06 0.83 [0.76 - 0.89]
Bronchitis,emphysema & asthma (490-493) Test for trend : Chi2= 1.47 p=0.225	13 / 13.49 0.96 [0.51 - 1.65]	11 / 12.67 0.87 [0.43 - 1.55]	16 / 16.70 0.96 [0.55 - 1.56]	9 / 17.05 0.53 [0.24 - 1.00]	49 / 59.91 0.82 [0.61 - 1.08]

Table 2.15.15
Mortality from selected causes by cumulative exposure to TALC

TOTAL COHORT

Cumulative exposure (ppm-years)	0 - 3	4 - 10	11 - 26	27+	Total
ALL CAUSES Test for trend : Chi2= 10.00 p=0.002	204 / 210.66 0.97 [0.84 - 1.11]	191 / 186.27 1.03 [0.89 - 1.18]	210 / 247.29 0.85 [0.74 - 0.97]	195 / 263.87 0.74 [0.64 - 0.85]	800 / 908.09 0.88 [0.82 - 0.94]
ALL MALIGNANT NEOPLASMS (140-208) Test for trend : Chi2= 4.34 p=0.037	56 / 51.72 1.08 [0.82 - 1.41]	57 / 49.62 1.15 [0.87 - 1.49]	73 / 70.25 1.04 [0.81 - 1.31]	60 / 79.20 0.76 [0.58 - 0.98]	246 / 250.79 0.98 [0.86 - 1.11]
Lung (162) Test for trend : Chi2= 4.32 p=0.038	16 / 12.03 1.33 [0.76 - 2.16]	14 / 12.01 1.17 [0.64 - 1.96]	16 / 17.41 0.92 [0.53 - 1.49]	13 / 20.14 0.65 [0.34 - 1.10]	59 / 61.59 0.96 [0.73 - 1.24]
Ovary (183) Test for trend : Chi2= 4.84 p=0.028	5 / 0.85 5.91 [1.92 - 13.8]	2 / 0.82 2.45 [0.30 - 8.86]	1 / 0.73 1.37 [0.03 - 7.62]	0 / 0.57 0.00 [0.00 - 6.48]	8 / 2.96 2.70 [1.17 - 5.32]
Other male genital organs (187) Test for trend : Chi2= 2.31 p=0.128	1 / 0.05 18.50 [0.46 - 0103]	0 / 0.05 0.00 [0.00 - 74.6]	0 / 0.07 0.00 [0.00 - 49.8]	0 / 0.08 0.00 [0.00 - 46.0]	1 / 0.26 3.88 [0.10 - 21.6]
Ischaemic heart disease (410-414) Test for trend : Chi2= 0.91 p=0.341	36 / 37.55 0.96 [0.67 - 1.33]	42 / 37.06 1.13 [0.82 - 1.53]	53 / 52.87 1.00 [0.75 - 1.31]	45 / 55.11 0.82 [0.60 - 1.09]	176 / 182.60 0.96 [0.83 - 1.12]
Bronchitis,emphysema & asthma (490-493) Test for trend : Chi2= 2.18 p=0.140	4 / 3.98 1.00 [0.27 - 2.57]	5 / 4.04 1.24 [0.40 - 2.89]	3 / 5.82 0.52 [0.11 - 1.51]	3 / 6.95 0.43 [0.09 - 1.26]	15 / 20.80 0.72 [0.40 - 1.19]

TOTAL COHORT

Men

Cumulative exposure (ppm-years)	0 - 3	4 - 10	11 - 26	27+	Total
ALL CAUSES Test for trend : Chi2= 6.16 p=0.013	173 / 182.83 0.95 [0.81 - 1.10]	149 / 153.54 0.97 [0.82 - 1.14]	190 / 220.83 0.86 [0.74 - 0.99]	178 / 238.86 0.75 [0.64 - 0.86]	690 / 796.06 0.87 [0.80 - 0.93]
ALL MALIGNANT NEOPLASMS (140-208) Test for trend : Chi2= 0.77 p=0.381	41 / 41.27 0.99 [0.71 - 1.35]	32 / 38.67 0.83 [0.57 - 1.17]	66 / 60.93 1.08 [0.84 - 1.38]	55 / 71.51 0.77 [0.58 - 1.00]	194 / 212.39 0.91 [0.79 - 1.05]
Lung (162) Test for trend : Chi2= 1.25 p=0.263	11 / 10.88 1.01 [0.50 - 1.81]	8 / 10.76 0.74 [0.32 - 1.46]	15 / 16.28 0.92 [0.52 - 1.52]	11 / 19.03 0.58 [0.29 - 1.03]	45 / 56.96 0.79 [0.58 - 1.06]
Ovary (183)	0 / 0.00 [. - .]	0 / 0.00 [. - .]	0 / 0.00 [. - .]	0 / 0.00 [. - .]	0 / 0.00 [. - .]
Other male genital organs (187) Test for trend : Chi2= 2.31 p=0.128	1 / 0.05 18.50 [0.46 - 0103]	0 / 0.05 0.00 [0.00 - 74.6]	0 / 0.07 0.00 [0.00 - 49.8]	0 / 0.08 0.00 [0.00 - 46.0]	1 / 0.26 3.88 [0.10 - 21.6]
Ischaemic heart disease (410-414) Test for trend : Chi2= 0.66 p=0.417	32 / 34.37 0.93 [0.64 - 1.31]	37 / 32.66 1.13 [0.80 - 1.56]	48 / 48.27 0.99 [0.73 - 1.32]	40 / 49.28 0.81 [0.58 - 1.11]	157 / 164.58 0.95 [0.81 - 1.12]
Bronchitis,emphysema & asthma (490-493) Test for trend : Chi2= 4.08 p=0.043	4 / 3.44 1.16 [0.32 - 2.98]	5 / 3.36 1.49 [0.48 - 3.47]	2 / 5.17 0.39 [0.05 - 1.40]	2 / 6.18 0.32 [0.04 - 1.17]	13 / 18.16 0.72 [0.38 - 1.22]

Table 2.15.16
Mortality from selected causes by cumulative exposure to TERP (terpenes)

TOTAL COHORT

Cumulative exposure (ppm-years)	0 - 80	81 - 288	289- 1024	1025+	Total
ALL CAUSES Test for trend : Chi2= 0.68 p=0.411	382 / 476.36 0.80 [0.72 - 0.89]	382 / 435.06 0.88 [0.79 - 0.97]	380 / 483.03 0.79 [0.71 - 0.87]	384 / 433.34 0.89 [0.80 - 0.98]	1528 / 1827.78 0.84 [0.79 - 0.88]
ALL MALIGNANT NEOPLASMS (140-208) Test for trend : Chi2= 0.16 p=0.687	100 / 101.07 0.99 [0.81 - 1.20]	81 / 102.29 0.79 [0.63 - 0.98]	84 / 115.28 0.73 [0.58 - 0.90]	90 / 92.72 0.97 [0.78 - 1.19]	355 / 411.35 0.86 [0.78 - 0.96]
Larynx (161) Test for trend : Chi2= 0.04 p=0.839	2 / 1.51 1.33 [0.16 - 4.80]	4 / 1.78 2.25 [0.61 - 5.77]	2 / 1.67 1.20 [0.15 - 4.33]	1 / 0.74 1.34 [0.03 - 7.48]	9 / 5.69 1.58 [0.72 - 3.00]
Lung (162) Test for trend : Chi2= 0.52 p=0.470	28 / 25.10 1.12 [0.74 - 1.61]	19 / 24.87 0.76 [0.46 - 1.19]	21 / 25.95 0.81 [0.50 - 1.24]	17 / 18.58 0.91 [0.53 - 1.46]	85 / 94.50 0.90 [0.72 - 1.11]
Other male genital organs (187)	0 / 0.10 0.00 [0.00 - 35.5]	0 / 0.10 0.00 [0.00 - 35.5]	0 / 0.13 0.00 [0.00 - 27.7]	0 / 0.13 0.00 [0.00 - 29.0]	0 / 0.47 0.00 [0.00 - 7.88]
Ischaemic heart disease (410-414) Test for trend : Chi2= 0.21 p=0.648	99 / 128.66 0.77 [0.63 - 0.94]	121 / 125.35 0.97 [0.80 - 1.15]	116 / 145.50 0.80 [0.66 - 0.96]	122 / 138.47 0.88 [0.73 - 1.05]	458 / 537.99 0.85 [0.78 - 0.93]
Bronchitis, emphysema & asthma (490-493) Test for trend : Chi2= 1.19 p=0.275	5 / 8.95 0.56 [0.18 - 1.30]	4 / 8.91 0.45 [0.12 - 1.15]	14 / 9.86 1.42 [0.78 - 2.38]	7 / 9.73 0.72 [0.29 - 1.48]	30 / 37.45 0.80 [0.54 - 1.14]

TOTAL COHORT

Men

Cumulative exposure (ppm-years)	0 - 80	81 - 288	289- 1024	1025+	Total
ALL CAUSES Test for trend : Chi2= 0.36 p=0.551	360 / 442.46 0.81 [0.73 - 0.90]	372 / 411.68 0.90 [0.81 - 1.00]	374 / 466.44 0.80 [0.72 - 0.89]	373 / 420.26 0.89 [0.80 - 0.98]	1479 / 1740.85 0.85 [0.81 - 0.89]
ALL MALIGNANT NEOPLASMS (140-208) Test for trend : Chi2= 0.02 p=0.889	89 / 92.68 0.96 [0.77 - 1.18]	81 / 96.30 0.84 [0.67 - 1.05]	84 / 110.88 0.76 [0.60 - 0.94]	88 / 89.96 0.98 [0.78 - 1.21]	342 / 389.82 0.88 [0.79 - 0.98]
Larynx (161) Test for trend : Chi2= 0.04 p=0.836	2 / 1.49 1.34 [0.16 - 4.84]	4 / 1.77 2.26 [0.62 - 5.80]	2 / 1.66 1.20 [0.15 - 4.35]	1 / 0.74 1.35 [0.03 - 7.52]	9 / 5.66 1.59 [0.73 - 3.02]
Lung (162) Test for trend : Chi2= 0.58 p=0.445	28 / 24.57 1.14 [0.76 - 1.65]	19 / 24.47 0.78 [0.47 - 1.21]	21 / 25.63 0.82 [0.51 - 1.25]	17 / 18.41 0.92 [0.54 - 1.48]	85 / 93.08 0.91 [0.73 - 1.13]
Other male genital organs (187)	0 / 0.10 0.00 [0.00 - 35.5]	0 / 0.10 0.00 [0.00 - 35.5]	0 / 0.13 0.00 [0.00 - 27.7]	0 / 0.13 0.00 [0.00 - 29.0]	0 / 0.47 0.00 [0.00 - 7.88]
Ischaemic heart disease (410-414) Test for trend : Chi2= 0.07 p=0.794	95 / 121.04 0.78 [0.64 - 0.96]	115 / 119.95 0.96 [0.79 - 1.15]	115 / 141.47 0.81 [0.67 - 0.98]	117 / 134.85 0.87 [0.72 - 1.04]	442 / 517.30 0.85 [0.78 - 0.94]
Bronchitis, emphysema & asthma (490-493) Test for trend : Chi2= 1.08 p=0.299	5 / 8.62 0.58 [0.19 - 1.35]	4 / 8.64 0.46 [0.13 - 1.19]	14 / 9.67 1.45 [0.79 - 2.43]	7 / 9.61 0.73 [0.29 - 1.50]	30 / 36.53 0.82 [0.55 - 1.17]

Table 2.15.17
Mortality from selected causes by cumulative exposure to TIO2 (titanium dioxide)

TOTAL COHORT

Cumulative exposure (ppm-years)	0 - 29	30 - 72	73- 139	140+	Total
ALL CAUSES Test for trend : Chi2= 1.18 p=0.278	255 / 296.62 0.86 [0.76 - 0.97]	268 / 272.77 0.98 [0.87 - 1.11]	262 / 269.59 0.97 [0.86 - 1.10]	262 / 274.90 0.95 [0.84 - 1.08]	1047 / 1113.89 0.94 [0.88 - 1.00]
ALL MALIGNANT NEOPLASMS (140-208) Test for trend : Chi2= 0.64 p=0.423	55 / 71.13 0.77 [0.58 - 1.01]	65 / 67.10 0.97 [0.75 - 1.23]	65 / 67.84 0.96 [0.74 - 1.22]	66 / 72.47 0.91 [0.70 - 1.16]	251 / 278.54 0.90 [0.79 - 1.02]
Lung (162) Test for trend : Chi2= 0.00 p=0.962	17 / 21.09 0.81 [0.47 - 1.29]	26 / 19.79 1.31 [0.86 - 1.92]	19 / 21.87 0.87 [0.52 - 1.36]	20 / 21.41 0.93 [0.57 - 1.44]	82 / 84.16 0.97 [0.77 - 1.21]
Other male genital organs (187)	0 / 0.10 0.00 [0.00 - 38.2]	0 / 0.08 0.00 [0.00 - 44.2]	0 / 0.09 0.00 [0.00 - 41.5]	0 / 0.09 0.00 [0.00 - 39.5]	0 / 0.36 0.00 [0.00 - 10.2]
Ischaemic heart disease (410-414) Test for trend : Chi2= 12.22 p=0.000	64 / 83.86 0.76 [0.59 - 0.97]	70 / 83.60 0.84 [0.65 - 1.06]	93 / 84.59 1.10 [0.89 - 1.35]	108 / 87.39 1.24 [1.01 - 1.49]	335 / 339.45 0.99 [0.88 - 1.10]
Bronchitis,emphysema & asthma (490-493) Test for trend : Chi2= 1.29 p=0.256	12 / 7.29 1.65 [0.85 - 2.87]	4 / 7.84 0.51 [0.14 - 1.31]	8 / 8.62 0.93 [0.40 - 1.83]	7 / 8.04 0.87 [0.35 - 1.79]	31 / 31.79 0.98 [0.66 - 1.38]

TOTAL COHORT

Men

Cumulative exposure (ppm-years)	0 - 29	30 - 72	73- 139	140+	Total
ALL CAUSES Test for trend : Chi2= 0.24 p=0.621	236 / 266.48 0.89 [0.78 - 1.01]	230 / 233.12 0.99 [0.86 - 1.12]	235 / 246.47 0.95 [0.84 - 1.08]	248 / 264.25 0.94 [0.83 - 1.06]	949 / 1010.33 0.94 [0.88 - 1.00]
ALL MALIGNANT NEOPLASMS (140-208) Test for trend : Chi2= 0.05 p=0.818	50 / 62.55 0.80 [0.59 - 1.05]	58 / 57.38 1.01 [0.77 - 1.31]	55 / 61.98 0.89 [0.67 - 1.15]	61 / 69.30 0.88 [0.67 - 1.13]	224 / 251.22 0.89 [0.78 - 1.02]
Lung (162) Test for trend : Chi2= 0.20 p=0.652	17 / 19.66 0.86 [0.50 - 1.38]	24 / 18.30 1.31 [0.84 - 1.95]	18 / 20.92 0.86 [0.51 - 1.36]	18 / 20.82 0.86 [0.51 - 1.37]	77 / 79.71 0.97 [0.76 - 1.21]
Other male genital organs (187)	0 / 0.10 0.00 [0.00 - 38.2]	0 / 0.08 0.00 [0.00 - 44.2]	0 / 0.09 0.00 [0.00 - 41.5]	0 / 0.09 0.00 [0.00 - 39.5]	0 / 0.36 0.00 [0.00 - 10.2]
Ischaemic heart disease (410-414) Test for trend : Chi2= 10.98 p=0.001	58 / 76.80 0.76 [0.57 - 0.98]	59 / 73.50 0.80 [0.61 - 1.04]	85 / 78.62 1.08 [0.86 - 1.34]	102 / 84.51 1.21 [0.98 - 1.47]	304 / 313.43 0.97 [0.86 - 1.09]
Bronchitis,emphysema & asthma (490-493) Test for trend : Chi2= 0.87 p=0.350	11 / 6.75 1.63 [0.81 - 2.92]	3 / 7.18 0.42 [0.09 - 1.22]	8 / 8.20 0.98 [0.42 - 1.92]	7 / 7.82 0.90 [0.36 - 1.85]	29 / 29.95 0.97 [0.65 - 1.39]

Table 2.15.18
Mortality from selected causes by cumulative exposure to WELD (welding fumes)

TOTAL COHORT

Cumulative exposure (ppm-years)	0 - 9	17 - 32	33 - 76	77+	Total
ALL CAUSES	872 / 1092.25 0.80 [0.75 - 0.85]	827 / 965.25 0.86 [0.80 - 0.92]	855 / 1074.52 0.80 [0.74 - 0.85]	848 / 965.19 0.88 [0.82 - 0.94]	3402 / 4097.22 0.83 [0.80 - 0.86]
Test for trend : Chi2= 1.94 p=0.164					
ALL MALIGNANT NEOPLASMS (140-208)	189 / 230.68 0.82 [0.71 - 0.94]	198 / 211.05 0.94 [0.81 - 1.08]	200 / 241.83 0.83 [0.72 - 0.95]	239 / 233.53 1.02 [0.90 - 1.16]	826 / 917.10 0.90 [0.84 - 0.96]
Test for trend : Chi2= 3.26 p=0.071					
Lung (162)	51 / 61.98 0.82 [0.61 - 1.08]	59 / 56.13 1.05 [0.80 - 1.36]	70 / 65.77 1.06 [0.83 - 1.34]	70 / 62.04 1.13 [0.88 - 1.43]	250 / 245.92 1.02 [0.89 - 1.15]
Test for trend : Chi2= 2.67 p=0.102					
Pleura (163)	2 / 1.08 1.84 [0.22 - 6.66]	1 / 0.91 1.10 [0.03 - 6.13]	2 / 0.99 2.01 [0.24 - 7.28]	6 / 1.12 5.37 [1.97 - 11.7]	11 / 4.10 2.68 [1.34 - 4.80]
Test for trend : Chi2= 2.69 p=0.101					
Other male genital organs (187)	0 / 0.25 0.00 [0.00 - 15.0]	1 / 0.24 4.19 [0.10 - 23.3]	0 / 0.27 0.00 [0.00 - 13.5]	0 / 0.27 0.00 [0.00 - 13.8]	1 / 1.02 0.98 [0.02 - 5.44]
Test for trend : Chi2= 0.24 p=0.625					
Ischaemic heart disease (410-414)	239 / 310.61 0.77 [0.67 - 0.87]	227 / 283.07 0.80 [0.70 - 0.91]	288 / 332.65 0.87 [0.77 - 0.97]	262 / 306.26 0.86 [0.76 - 0.97]	1016 / 1232.59 0.82 [0.77 - 0.88]
Test for trend : Chi2= 1.96 p=0.161					
Bronchitis,emphysema & asthma (490-493)	18 / 23.42 0.77 [0.46 - 1.21]	21 / 22.47 0.93 [0.58 - 1.43]	16 / 28.68 0.56 [0.32 - 0.91]	14 / 25.39 0.55 [0.30 - 0.93]	69 / 99.95 0.69 [0.54 - 0.87]
Test for trend : Chi2= 1.91 p=0.167					

TOTAL COHORT

Men

Cumulative exposure (ppm-years)	0 - 9	17 - 32	33 - 76	77+	Total
ALL CAUSES	761 / 947.02 0.80 [0.75 - 0.86]	761 / 886.34 0.86 [0.80 - 0.92]	818 / 1032.30 0.79 [0.74 - 0.85]	843 / 962.66 0.88 [0.82 - 0.94]	3183 / 3828.31 0.83 [0.80 - 0.86]
Test for trend : Chi2= 1.28 p=0.258					
ALL MALIGNANT NEOPLASMS (140-208)	169 / 199.07 0.85 [0.73 - 0.99]	183 / 193.96 0.94 [0.81 - 1.09]	188 / 232.71 0.81 [0.70 - 0.93]	238 / 232.84 1.02 [0.90 - 1.16]	778 / 858.58 0.91 [0.84 - 0.97]
Test for trend : Chi2= 1.86 p=0.172					
Lung (162)	50 / 60.05 0.83 [0.62 - 1.10]	57 / 55.02 1.04 [0.78 - 1.34]	69 / 65.19 1.06 [0.82 - 1.34]	70 / 61.99 1.13 [0.88 - 1.43]	246 / 242.26 1.02 [0.89 - 1.15]
Test for trend : Chi2= 2.52 p=0.113					
Pleura (163)	2 / 1.01 1.99 [0.24 - 7.19]	0 / 0.87 0.00 [0.00 - 4.25]	2 / 0.97 2.06 [0.25 - 7.43]	6 / 1.12 5.38 [1.97 - 11.7]	10 / 3.96 2.52 [1.21 - 4.64]
Test for trend : Chi2= 3.16 p=0.076					
Other male genital organs (187)	0 / 0.25 0.00 [0.00 - 15.0]	1 / 0.24 4.19 [0.10 - 23.3]	0 / 0.27 0.00 [0.00 - 13.5]	0 / 0.27 0.00 [0.00 - 13.8]	1 / 1.02 0.98 [0.02 - 5.44]
Test for trend : Chi2= 0.24 p=0.625					
Ischaemic heart disease (410-414)	209 / 274.24 0.76 [0.66 - 0.87]	207 / 262.92 0.79 [0.68 - 0.90]	281 / 321.53 0.87 [0.77 - 0.98]	260 / 305.70 0.85 [0.75 - 0.96]	957 / 1164.38 0.82 [0.77 - 0.88]
Test for trend : Chi2= 2.16 p=0.142					
Bronchitis,emphysema & asthma (490-493)	16 / 22.04 0.73 [0.41 - 1.18]	21 / 21.66 0.97 [0.60 - 1.48]	16 / 28.24 0.57 [0.32 - 0.92]	14 / 25.35 0.55 [0.30 - 0.93]	67 / 97.29 0.69 [0.53 - 0.87]
Test for trend : Chi2= 1.53 p=0.216					

Table 2.15.19
Mortality from selected causes by cumulative exposure to WOOD (wood dust)

TOTAL COHORT

Cumulative exposure (ppm-years)	0 - 16	17 - 51	52- 121	122+	Total
ALL CAUSES Test for trend : Chi2= 0.41 p=0.522	385 / 497.99 0.77 [0.70 - 0.85]	389 / 423.20 0.92 [0.83 - 1.02]	385 / 491.12 0.78 [0.71 - 0.87]	385 / 450.93 0.85 [0.77 - 0.94]	1544 / 1863.25 0.83 [0.79 - 0.87]
ALL MALIGNANT NEOPLASMS (140-208) Test for trend : Chi2= 0.33 p=0.566	83 / 105.61 0.79 [0.63 - 0.97]	85 / 98.48 0.86 [0.69 - 1.07]	99 / 115.71 0.86 [0.70 - 1.04]	88 / 101.83 0.86 [0.69 - 1.06]	355 / 421.63 0.84 [0.76 - 0.93]
Larynx (161) Test for trend : Chi2= 1.32 p=0.250	4 / 1.58 2.53 [0.69 - 6.48]	3 / 1.56 1.92 [0.40 - 5.62]	5 / 1.89 2.65 [0.86 - 6.18]	0 / 1.21 0.00 [0.00 - 3.05]	12 / 6.24 1.92 [0.99 - 3.36]
Lung (162) Test for trend : Chi2= 0.01 p=0.935	20 / 25.26 0.79 [0.48 - 1.22]	20 / 23.56 0.85 [0.52 - 1.31]	29 / 27.55 1.05 [0.71 - 1.51]	15 / 20.98 0.72 [0.40 - 1.18]	84 / 97.35 0.86 [0.69 - 1.07]
Other male genital organs (187)	0 / 0.11 0.00 [0.00 - 33.6]	0 / 0.10 0.00 [0.00 - 35.9]	0 / 0.13 0.00 [0.00 - 28.4]	0 / 0.13 0.00 [0.00 - 28.3]	0 / 0.47 0.00 [0.00 - 7.81]
Ischaemic heart disease (410-414) Test for trend : Chi2= 0.04 p=0.840	101 / 130.02 0.78 [0.63 - 0.94]	112 / 122.62 0.91 [0.75 - 1.10]	120 / 147.70 0.81 [0.67 - 0.97]	116 / 139.06 0.83 [0.69 - 1.00]	449 / 539.40 0.83 [0.76 - 0.91]
Bronchitis,emphysema & asthma (490-493) Test for trend : Chi2= 0.00 p=0.979	5 / 8.89 0.56 [0.18 - 1.31]	11 / 8.51 1.29 [0.64 - 2.31]	9 / 10.99 0.82 [0.37 - 1.56]	7 / 9.78 0.72 [0.29 - 1.47]	32 / 38.17 0.84 [0.57 - 1.18]

TOTAL COHORT

Men

Cumulative exposure (ppm-years)	0 - 16	17 - 51	52- 121	122+	Total
ALL CAUSES Test for trend : Chi2= 0.05 p=0.821	367 / 463.02 0.79 [0.71 - 0.88]	372 / 393.72 0.94 [0.85 - 1.05]	377 / 474.52 0.79 [0.72 - 0.88]	376 / 440.96 0.85 [0.77 - 0.94]	1492 / 1772.21 0.84 [0.80 - 0.89]
ALL MALIGNANT NEOPLASMS (140-208) Test for trend : Chi2= 0.53 p=0.467	74 / 96.32 0.77 [0.60 - 0.96]	82 / 91.40 0.90 [0.71 - 1.11]	98 / 111.53 0.88 [0.71 - 1.07]	87 / 99.45 0.87 [0.70 - 1.08]	341 / 398.70 0.86 [0.77 - 0.95]
Larynx (161) Test for trend : Chi2= 1.34 p=0.246	4 / 1.56 2.56 [0.70 - 6.55]	3 / 1.55 1.93 [0.40 - 5.65]	5 / 1.88 2.66 [0.86 - 6.20]	0 / 1.21 0.00 [0.00 - 3.05]	12 / 6.20 1.93 [1.00 - 3.38]
Lung (162) Test for trend : Chi2= 0.00 p=0.980	20 / 24.67 0.81 [0.50 - 1.25]	20 / 23.09 0.87 [0.53 - 1.34]	29 / 27.27 1.06 [0.71 - 1.53]	15 / 20.80 0.72 [0.40 - 1.19]	84 / 95.83 0.88 [0.70 - 1.09]
Other male genital organs (187)	0 / 0.11 0.00 [0.00 - 33.6]	0 / 0.10 0.00 [0.00 - 35.9]	0 / 0.13 0.00 [0.00 - 28.4]	0 / 0.13 0.00 [0.00 - 28.3]	0 / 0.47 0.00 [0.00 - 7.81]
Ischaemic heart disease (410-414) Test for trend : Chi2= 0.00 p=0.987	98 / 123.11 0.80 [0.65 - 0.97]	104 / 115.23 0.90 [0.74 - 1.09]	118 / 143.74 0.82 [0.68 - 0.98]	112 / 136.31 0.82 [0.68 - 0.99]	432 / 518.40 0.83 [0.76 - 0.92]
Bronchitis,emphysema & asthma (490-493) Test for trend : Chi2= 0.01 p=0.924	5 / 8.53 0.59 [0.19 - 1.37]	11 / 8.19 1.34 [0.67 - 2.40]	9 / 10.80 0.83 [0.38 - 1.58]	7 / 9.67 0.72 [0.29 - 1.49]	32 / 37.20 0.86 [0.59 - 1.21]

INCIDENCE

DESCRIPTIVE TABLES

Table 3.1
Number of exposed subjects and person-years, total, by country, sex and vital status

Sex	Country	Alive		Dead		Lost		Emigrated		Total	
		Subjects	%	Subjects	%	Subjects	%	Subjects	%	Total	Total
Men	Denmark	8953	71	3527	28	8	0	156	1	12644	237333
	Finland	5667	64	3093	35	0	0	71	1	8831	249837
	New Zealand	5771	76	397	5	1351	18	105	1	7624	78634
	Norway	17082	65	8866	34	0	0	285	1	26233	592992
	Sweden	4998	77	1310	20	13	0	163	3	6484	127311
	TOTAL	42471	69	17193	28	1372	2	780	1	61816	1286108
Women	Denmark	2321	81	524	18	0	0	27	1	2872	60276
	Finland	1737	65	902	34	0	0	28	1	2667	82865
	New Zealand	749	75	21	2	221	22	10	1	1001	8915
	Norway	3808	83	736	16	0	0	65	1	4609	107670
	Sweden	711	88	83	10	1	0	15	2	810	17147
	TOTAL	9326	78	2266	19	222	2	145	1	11959	276873
All	Denmark	11274	73	4051	26	8	0	183	1	15516	297609
	Finland	7404	64	3995	35	0	0	99	1	11498	332702
	New Zealand	6520	76	418	5	1572	18	115	1	8625	87549
	Norway	20890	68	9602	31	0	0	350	1	30842	700662
	Sweden	5709	78	1393	19	14	0	178	2	7294	144459
	TOTAL	51797	70	19459	26	1594	2	925	1	73775	1562981

Table 3.2
Number of exposed subjects and person-years, total, by country, sex and years since first employment

	Years since first employment (years)	0-9		10-14		15-19		20-24		25+	
		Subjects	P-years	Subjects	P-years	Subjects	P-years	Subjects	P-years	Subjects	P-years
Men	Denmark	10936	98086	9286	41147	7816	33607	6381	25517	4930	38976
	Finland	7359	68947	7378	35297	7222	33746	6714	30461	6354	81387
	New Zealand	5811	37784	4676	16436	3067	10263	2020	6768	1315	7384
	Norway	21216	179605	19155	89097	17650	79595	15273	66549	14866	178146
	Sweden	5482	49373	4694	21355	4014	17329	3169	12720	2713	26533
	Total	50804	433796	45189	203332	39769	174540	33557	142015	30178	332426
Women	Denmark	2541	22862	2133	9590	1802	8038	1556	6682	1302	13103
	Finland	2141	19900	2185	10377	2189	10510	2156	10074	2147	32004
	New Zealand	917	6042	504	1658	240	697	96	331	48	186
	Norway	4013	35703	3567	16795	3300	15095	2863	12220	2449	27858
	Sweden	722	6277	649	3037	601	2738	523	2069	352	3026
	Total	10334	90785	9038	41458	8132	37077	7194	31376	6298	76177
All	Denmark	13477	120949	11419	50737	9618	41645	7937	32199	6232	52080
	Finland	9500	88846	9563	45674	9411	44256	8870	40535	8501	113391
	New Zealand	6728	43827	5180	18094	3307	10960	2116	7099	1363	7570
	Norway	25229	215308	22722	105892	20950	94690	18136	78769	17315	206003
	Sweden	6204	55651	5343	24392	4615	20067	3692	14789	3065	29559
	Total	61138	524580	54227	244789	47901	211617	40751	173391	36476	408603

Table 3.2
Number of exposed subjects and person-years, total, by country, sex and years since first employment

Total	
Subjects	P-years
12644	237333
8831	249837
7624	78634
26233	592992
6484	127311
61816	1286108
2872	60276
2667	82865
1001	8915
4609	107670
810	17147
11959	276873
15516	297609
11498	332702
8625	87549
30842	700662
7294	144459
73775	1562981

Table 3.3
Number of exposed subjects and person-years, total, by country, sex and duration of employment

	Duration of employment (years)	1-4		5-9		10-14		15-19		20-24		25-29		> 30		Total	
		Subjects	P-years	Subjects	P-years	Subjects	P-years	Subjects	P-years	Subjects	P-years	Subjects	P-years	Subjects	P-years	Subjects	P-years
Men	Denmark	10963	123136	5435	49408	3090	23067	2011	13467	1409	8593	1068	6334	941	13329	12644	237333
	Finland	7059	62719	6155	48334	5316	36078	4715	29889	3965	23605	3039	18792	2489	30419	8831	249837
	New Zealand	4671	25309	3900	18234	3158	13615	2202	8902	1567	6463	923	4591	335	1520	7624	78634
	Norway	19804	191835	15198	113311	11542	77869	9506	60361	7498	44732	6069	35025	5185	69859	26233	592992
	Sweden	5355	50476	3607	25691	2577	15654	1830	10215	1344	6874	1006	5168	1040	13234	6484	127311
	Total	47852	453475	34295	254978	25683	166283	20264	122834	15783	90266	12105	69911	9990	128362	61816	1286108
Women	Denmark	2570	34121	1094	12187	579	5176	367	2947	259	2077	185	1531	137	2236	2872	60276
	Finland	2074	22017	1757	15652	1525	11652	1327	10253	1095	8828	756	5590	598	8873	2667	82865
	New Zealand	827	4741	465	2128	263	1135	124	515	57	290	23	84	5	23	1001	8915
	Norway	4002	52339	2415	25274	1465	11835	1007	7704	665	4030	429	2823	280	3665	4609	107670
	Sweden	687	6113	523	3982	388	2786	288	1818	189	1188	103	701	47	560	810	17147
	Total	10160	119331	6254	59222	4220	32584	3113	23237	2265	16413	1496	10729	1067	15356	11959	276873
All	Denmark	13533	157257	6529	61595	3669	28243	2378	16414	1668	10670	1253	7865	1078	15565	15516	297609
	Finland	9133	84736	7912	63985	6841	47731	6042	40143	5060	32433	3795	24382	3087	39292	11498	332702
	New Zealand	5498	30050	4365	20362	3421	14750	2326	9417	1624	6753	946	4675	340	1543	8625	87549
	Norway	23806	244174	17613	138585	13007	89704	10513	68064	8163	48762	6498	37848	5465	73524	30842	700662
	Sweden	6042	56589	4130	29672	2965	18440	2118	12033	1533	8062	1109	5869	1087	13793	7294	144459
	Total	58012	572806	40549	314200	29903	198867	23377	146070	18048	106679	13601	80640	11057	143717	73775	1562981

Table 3.4
Number of exposed subjects and person-years, total, by country, sex and department of ever employment (one digit code)

Country	Department	Men		Women		All	
		Subjects	P-years	Subjects	P-years	Subjects	P-years
Denmark	-1-	679	13913	1	33	680	13946
	-2-	159	2470	2	33	161	2503
	-3-	4314	91598	1419	37493	5733	129091
	-4-	1512	23344	346	4432	1858	27776
	-5-	3247	67805	336	5809	3583	73614
	-6-	3816	80706	729	15626	4545	96331
Finland	-1-	3127	86311	779	25663	3906	111974
	-3-	2179	60340	769	23754	2948	84095
	-4-	573	14002	149	4023	722	18025
	-5-	5483	158382	1270	38309	6753	196691
	-6-	70	2466	13	408	83	2874
New Zealand	-1-	1836	20547	66	643	1902	21189
	-2-	91	930	7	60	98	991
	-3-	1311	14323	76	670	1387	14993
	-4-	41	366	9	68	50	434
	-5-	5500	56455	858	7619	6358	64073
	-6-	798	8582	91	783	889	9364
Norway	-1-	7473	174777	301	6614	7774	181391
	-2-	84	2254	1	32	85	2286
	-3-	6957	165203	1705	49194	8662	214397
	-4-	257	4886	160	3214	417	8100
	-5-	13368	336159	2374	52760	15742	388918
Sweden	-1-	1490	29638	65	1164	1555	30801
	-3-	1630	31934	154	3499	1784	35433
	-4-	182	3862	231	6102	413	9964
	-5-	2839	62128	438	9109	3277	71237
	-6-	862	17628	47	1083	909	18712
Total	-1-	14605	325186	1212	34117	15817	359301
	-2-	334	5654	10	125	344	5780
	-3-	16391	363398	4123	114610	20514	478009
	-4-	2565	46460	895	17839	3460	64299
	-5-	30437	680929	5276	113606	35713	794533
	-6-	5546	109382	880	17900	6426	127281

Note : workers employed in more than one department contribute person-years to each of them.

Table 3.5
Number of exposed subjects and person-years, total, by country, sex and employment in only one department (one digit code)

Country	Department	Men		Women		All	
		Subjects	P-years	Subjects	P-years	Subjects	P-years
Denmark	-1-	555	10105			555	10105
	-2-	106	1514	2	12	108	1526
	-3-	2966	55691	1380	34035	4346	89727
	-4-	1408	20180	341	4140	1749	24320
	-5-	1962	34315	262	3823	2224	38138
	-6-	3283	60160	639	11741	3922	71900
	More than one department	2364	55334	248	6516	2612	61850
Finland	-1-	681	18800	226	7627	907	26426
	-3-	554	15220	271	8469	825	23690
	-4-	73	1648	16	383	89	2031
	-5-	2908	84016	511	14382	3419	98398
	-6-	7	213	2	75	9	288
	More than one department	3587	99999	1004	30771	4591	130770
New Zealand	-1-	644	7050	27	289	671	7339
	-2-	9	95			9	95
	-3-	493	5444	26	262	519	5706
	-4-	9	77	8	61	17	138
	-5-	4169	40844	783	6917	4952	47760
	-6-	112	1087	22	196	134	1283
	More than one department	1927	21178	123	1063	2050	22241
Norway	-1-	5235	107902	204	4102	5439	112004
	-2-	45	1051			45	1051
	-3-	5080	110820	1656	45489	6736	156308
	-4-	177	3220	154	2971	331	6191
	-5-	11310	261351	2276	47353	13586	308704
	More than one department	4386	108576	319	7743	4705	116319
Sweden	-1-	1214	22192	30	474	1244	22666
	-3-	1238	22092	85	1748	1323	23841
	-4-	115	2069	145	3614	260	5683
	-5-	2365	48716	334	6492	2699	55209
	-6-	608	11248	14	282	622	11529
	More than one department	921	20536	201	4498	1122	25034

Table 3.5
Number of exposed subjects and person-years, total, by country, sex and employment in only one department (one digit code)

Country	Department	Men		Women		All	
		Subjects	P-years	Subjects	P-years	Subjects	P-years
Total	-1-	8329	166049	487	12492	8816	178540
	-2-	160	2660	2	12	162	2672
	-3-	10331	209267	3418	90003	13749	299272
	-4-	1782	27194	664	11169	2446	38363
	-5-	22714	469242	4166	78967	26880	548209
	-6-	4010	72708	677	12294	4687	85000
	More than one department	13185	305623	1895	50591	15080	356214

Table 3.6
Number of exposed subjects and person-years, total, by country, sex and department of longest employment

Country	Department of longest employment	Men		Women		All	
		Subjects	P-years	Subjects	P-years	Subjects	P-years
Denmark	-1-	667	12469	1	33	668	12502
	-2-	135	1985	2	12	137	1997
	-3-	4008	82037	1502	37596	5510	119633
	-4-	1486	21673	352	4322	1838	25995
	-5-	2596	48887	308	4805	2904	53692
	-6-	3752	70248	707	13500	4459	83748
Finland	-1-	1713	47338	497	16676	2210	64014
	-3-	1376	36955	545	16728	1921	53684
	-4-	301	7377	87	2261	388	9638
	-5-	4407	127821	899	25967	5306	153788
	-6-	13	405	2	75	15	480
New Zealand	-1-	1202	13305	43	432	1245	13737
	-2-	23	241	1	13	24	254
	-3-	875	9559	55	503	930	10062
	-4-	19	175	9	68	28	244
	-5-	4922	49180	831	7359	5753	56539
	-6-	322	3314	50	412	372	3726
Norway	-1-	6558	139114	266	5378	6824	144492
	-2-	67	1679			67	1679
	-3-	6313	140102	1749	47906	8062	188008
	-4-	220	3960	162	3131	382	7091
	-5-	13075	308065	2432	51243	15507	359308
Sweden	-1-	1423	26442	56	951	1479	27394
	-3-	1451	26833	127	2731	1578	29564
	-4-	150	2932	201	4872	351	7803
	-5-	2690	56132	398	7931	3088	64063
	-6-	747	14515	27	623	774	15138
Total	-1-	11563	238668	863	23470	12426	262139
	-2-	225	3905	3	25	228	3930
	-3-	14023	295486	3978	105464	18001	400951
	-4-	2176	36117	811	14654	2987	50771
	-5-	27690	590085	4868	97305	32558	687390
	-6-	4834	88482	786	14610	5620	103092

INCIDENCE

INDIRECT STANDARDISATION

Table 4.1.1
Incidence from selected cancer sites

TOTAL COHORT

Cancer sites (ICD 9th.revision)	Observed	Expected	SIR	95% Conf.Interval
ALL MALIGNANT NEOPLASMS (140-208)	5920	6527.38	0.91	[0.88 - 0.93]
Buccal Pharynx (140-149)	187	186.28	1.00	[0.87 - 1.16]
Oesophagus (150)	59	78.68	0.75	[0.57 - 0.97]
Stomach (151)	384	456.85	0.84	[0.76 - 0.93]
Small intestine (152)	19	20.05	0.95	[0.57 - 1.48]
Large intestine and rectum(153-154)	699	759.9	0.92	[0.85 - 0.99]
Liver (155)	46	62.76	0.73	[0.54 - 0.98]
Pancreas (157)	190	212.7	0.89	[0.77 - 1.03]
Larynx (161)	88	86.72	1.01	[0.81 - 1.25]
Lung (162)	1002	946.64	1.06	[0.99 - 1.13]
Bone (170)	10	16.73	0.60	[0.29 - 1.10]
Melanoma of skin (172)	203	211.35	0.96	[0.83 - 1.10]
Breast (174-175)	252	266.63	0.95	[0.83 - 1.07]
Cervix uteri (180)	88	71.11	1.24	[0.99 - 1.52]
Ovary (183)	75	61.97	1.21	[0.95 - 1.52]
Uterus (179,181-182)	48	62.71	0.77	[0.56 - 1.01]
Other female genital organs (184)	12	6.15	1.95	[1.01 - 3.41]
Prostate (185)	706	782.03	0.90	[0.84 - 0.97]
Testis (186)	51	88.45	0.58	[0.43 - 0.76]
Bladder (188)	368	369.86	0.99	[0.90 - 1.10]
Kidney (189)	198	214.49	0.92	[0.80 - 1.06]
Brain (191-192)	143	169.97	0.84	[0.71 - 0.99]
Thyroid (193)	19	45.28	0.42	[0.25 - 0.66]
Non-Hodgkins lymphoma (200,202)	151	169.99	0.89	[0.75 - 1.04]
Hodgkins disease (201)	45	52.35	0.86	[0.63 - 1.15]
Leukemia (204-208)	108	151.57	0.71	[0.58 - 0.86]
Other malignant neoplasms	769	984.26	0.78	[0.73 - 0.84]
Non malignant sites	215			

Table 4.1.2
Incidence from selected cancer sites

TOTAL COHORT

Men

Cancer sites (ICD 9th.revision)	Observed	Expected	SIR	95% Conf.Interval
ALL MALIGNANT NEOPLASMS (140-208)	4943	5467.6	0.90	[0.88 - 0.93]
Buccal Pharynx (140-149)	174	173.47	1.00	[0.86 - 1.16]
Oesophagus (150)	50	71.4	0.70	[0.52 - 0.92]
Stomach (151)	344	410.59	0.84	[0.75 - 0.93]
Small intestine (152)	16	17.19	0.93	[0.53 - 1.51]
Large intestine and rectum(153-154)	610	652.57	0.93	[0.86 - 1.01]
Liver (155)	38	55.06	0.69	[0.49 - 0.95]
Pancreas (157)	163	184.32	0.88	[0.75 - 1.03]
Larynx (161)	85	84.62	1.00	[0.80 - 1.24]
Lung (162)	939	898.86	1.04	[0.98 - 1.11]
Bone (170)	9	14.6	0.62	[0.28 - 1.17]
Melanoma of skin (172)	169	172.26	0.98	[0.84 - 1.14]
Breast (174-175)	9	8.09	1.11	[0.51 - 2.11]
Cervix uteri (180)	0	-	-	-
Ovary (183)	0	-	-	-
Uterus (179,181-182)	0	-	-	-
Other female genital organs (184)	0	-	-	-
Prostate (185)	706	782.03	0.90	[0.84 - 0.97]
Testis (186)	51	88.45	0.58	[0.43 - 0.76]
Bladder (188)	345	351.57	0.98	[0.88 - 1.09]
Kidney (189)	176	190.94	0.92	[0.79 - 1.07]
Brain (191-192)	118	144.84	0.81	[0.67 - 0.98]
Thyroid (193)	17	28.73	0.59	[0.34 - 0.95]
Non-Hodgkins lymphoma (200,202)	135	146.95	0.92	[0.77 - 1.09]
Hodgkins disease (201)	41	46.37	0.88	[0.63 - 1.20]
Leukemia (204-208)	93	133.18	0.70	[0.56 - 0.86]
Other malignant neoplasms	655	819.59	0.80	[0.74 - 0.86]
Non malignant sites	175			

TOTAL COHORT

Women

Cancer sites (ICD 9th.revision)	Observed	Expected	SIR	95% Conf.Interval
ALL MALIGNANT NEOPLASMS (140-208)	977	1059.78	0.92	[0.86 - 0.98]
Buccal Pharynx (140-149)	13	12.8	1.02	[0.54 - 1.74]
Oesophagus (150)	9	7.28	1.24	[0.57 - 2.35]
Stomach (151)	40	46.26	0.86	[0.62 - 1.18]
Small intestine (152)	3	2.87	1.05	[0.22 - 3.06]
Large intestine and rectum(153-154)	89	107.33	0.83	[0.67 - 1.02]
Liver (155)	8	7.7	1.04	[0.45 - 2.05]
Pancreas (157)	27	28.37	0.95	[0.63 - 1.38]
Larynx (161)	3	2.1	1.43	[0.29 - 4.18]
Lung (162)	63	47.78	1.32	[1.01 - 1.69]
Bone (170)	1	2.12	0.47	[0.01 - 2.63]
Melanoma of skin (172)	34	39.09	0.87	[0.60 - 1.22]
Breast (174-175)	243	258.53	0.94	[0.83 - 1.07]
Cervix uteri (180)	88	71.11	1.24	[0.99 - 1.52]
Ovary (183)	75	61.97	1.21	[0.95 - 1.52]
Uterus (179,181-182)	48	62.71	0.77	[0.56 - 1.01]
Other female genital organs (184)	12	6.15	1.95	[1.01 - 3.41]
Prostate (185)	0	-	-	-
Testis (186)	0	-	-	-
Bladder (188)	23	18.29	1.26	[0.80 - 1.89]
Kidney (189)	22	23.55	0.93	[0.59 - 1.41]
Brain (191-192)	25	25.13	0.99	[0.64 - 1.47]
Thyroid (193)	2	16.55	0.12	[0.01 - 0.44]
Non-Hodgkins lymphoma (200,202)	16	23.04	0.69	[0.40 - 1.13]
Hodgkins disease (201)	4	5.98	0.67	[0.18 - 1.71]
Leukemia (204-208)	15	18.4	0.82	[0.46 - 1.34]
Other malignant neoplasms	114	164.67	0.69	[0.57 - 0.83]
Non malignant sites	40			

Table 4.1.3
Incidence from selected cancer sites

Denmark

Cancer sites (ICD 9th.revision)	Observed	Expected	SIR	95% Conf.Interval
ALL MALIGNANT NEOPLASMS (140-208)	1257	1439.09	0.87	[0.83 - 0.92]
Buccal Pharynx (140-149)	55	36.8	1.49	[1.13 - 1.95]
Oesophagus (150)	11	16.15	0.68	[0.34 - 1.22]
Stomach (151)	63	61	1.03	[0.79 - 1.32]
Small intestine (152)	1	3.42	0.29	[0.01 - 1.63]
Large intestine and rectum(153-154)	97	170.99	0.57	[0.46 - 0.69]
Liver (155)	11	15.36	0.72	[0.36 - 1.28]
Pancreas (157)	37	40.48	0.91	[0.64 - 1.26]
Larynx (161)	30	22.22	1.35	[0.91 - 1.93]
Lung (162)	255	237.11	1.08	[0.95 - 1.22]
Bone (170)	1	2.99	0.33	[0.01 - 1.87]
Melanoma of skin (172)	28	34.5	0.81	[0.54 - 1.17]
Breast (174-175)	53	66.16	0.80	[0.60 - 1.05]
Cervix uteri (180)	23	22.39	1.03	[0.65 - 1.54]
Ovary (183)	19	14.41	1.32	[0.79 - 2.06]
Uterus (179,181-182)	11	14.72	0.75	[0.37 - 1.34]
Other female genital organs (184)	2	1.43	1.40	[0.17 - 5.06]
Prostate (185)	93	102.53	0.91	[0.73 - 1.11]
Testis (186)	1	26.02	0.04	[0.00 - 0.21]
Bladder (188)	107	104.52	1.02	[0.84 - 1.24]
Kidney (189)	40	42.34	0.94	[0.67 - 1.29]
Brain (191-192)	3	33.86	0.09	[0.02 - 0.26]
Thyroid (193)	2	4.99	0.40	[0.05 - 1.45]
Non-Hodgkins lymphoma (200,202)	23	31.69	0.73	[0.46 - 1.09]
Hodgkins disease (201)	16	10.83	1.48	[0.84 - 2.40]
Leukemia (204-208)	17	34.28	0.50	[0.29 - 0.79]
Other malignant neoplasms	258	289.82	0.89	[0.78 - 1.01]
Non malignant sites	200			

Table 4.1.4
Incidence from selected cancer sites

Denmark

Men

Cancer sites (ICD 9th.revision)	Observed	Expected	SIR	95% Conf.Interval
ALL MALIGNANT NEOPLASMS (140-208)	1033	1178.01	0.88	[0.82 - 0.93]
Buccal Pharynx (140-149)	49	34.13	1.44	[1.06 - 1.90]
Oesophagus (150)	8	15.05	0.53	[0.23 - 1.05]
Stomach (151)	59	55.09	1.07	[0.82 - 1.38]
Small intestine (152)	1	2.93	0.34	[0.01 - 1.90]
Large intestine and rectum(153-154)	80	144.02	0.56	[0.44 - 0.69]
Liver (155)	10	13.65	0.73	[0.35 - 1.35]
Pancreas (157)	33	34.74	0.95	[0.65 - 1.33]
Larynx (161)	28	21.29	1.32	[0.87 - 1.90]
Lung (162)	229	219.2	1.04	[0.91 - 1.19]
Bone (170)	1	2.59	0.39	[0.01 - 2.15]
Melanoma of skin (172)	23	26.13	0.88	[0.56 - 1.32]
Breast (174-175)	2	1.92	1.04	[0.13 - 3.77]
Cervix uteri (180)	0	-	-	-
Ovary (183)	0	-	-	-
Uterus (179,181-182)	0	-	-	-
Other female genital organs (184)	0	-	-	-
Prostate (185)	93	102.53	0.91	[0.73 - 1.11]
Testis (186)	1	26.02	0.04	[0.00 - 0.21]
Bladder (188)	98	98.64	0.99	[0.81 - 1.21]
Kidney (189)	36	36.98	0.97	[0.68 - 1.35]
Brain (191-192)	3	28.28	0.11	[0.02 - 0.31]
Thyroid (193)	2	3.36	0.60	[0.07 - 2.15]
Non-Hodgkins lymphoma (200,202)	19	27.28	0.70	[0.42 - 1.09]
Hodgkins disease (201)	15	9.44	1.59	[0.89 - 2.62]
Leukemia (204-208)	13	30.05	0.43	[0.23 - 0.74]
Other malignant neoplasms	230	246.62	0.93	[0.82 - 1.06]
Non malignant sites	162			

Denmark

Women

Cancer sites (ICD 9th.revision)	Observed	Expected	SIR	95% Conf.Interval
ALL MALIGNANT NEOPLASMS (140-208)	224	261.07	0.86	[0.75 - 0.98]
Buccal Pharynx (140-149)	6	2.67	2.25	[0.82 - 4.89]
Oesophagus (150)	3	1.1	2.72	[0.56 - 7.96]
Stomach (151)	4	5.9	0.68	[0.18 - 1.73]
Small intestine (152)	0	0.48	0.00	[0.00 - 7.61]
Large intestine and rectum(153-154)	17	26.97	0.63	[0.37 - 1.01]
Liver (155)	1	1.71	0.59	[0.01 - 3.26]
Pancreas (157)	4	5.74	0.70	[0.19 - 1.79]
Larynx (161)	2	0.93	2.16	[0.26 - 7.79]
Lung (162)	26	17.91	1.45	[0.95 - 2.13]
Bone (170)	0	0.4	0.00	[0.00 - 9.22]
Melanoma of skin (172)	5	8.37	0.60	[0.19 - 1.39]
Breast (174-175)	51	64.24	0.79	[0.59 - 1.04]
Cervix uteri (180)	23	22.39	1.03	[0.65 - 1.54]
Ovary (183)	19	14.41	1.32	[0.79 - 2.06]
Uterus (179,181-182)	11	14.72	0.75	[0.37 - 1.34]
Other female genital organs (184)	2	1.43	1.40	[0.17 - 5.06]
Prostate (185)	0	-	-	-
Testis (186)	0	-	-	-
Bladder (188)	9	5.88	1.53	[0.70 - 2.91]
Kidney (189)	4	5.36	0.75	[0.20 - 1.91]
Brain (191-192)	0	5.58	0.00	[0.00 - 0.66]
Thyroid (193)	0	1.64	0.00	[0.00 - 2.25]
Non-Hodgkins lymphoma (200,202)	4	4.41	0.91	[0.25 - 2.32]
Hodgkins disease (201)	1	1.39	0.72	[0.02 - 4.00]
Leukemia (204-208)	4	4.23	0.95	[0.26 - 2.42]
Other malignant neoplasms	28	43.21	0.65	[0.43 - 0.94]
Non malignant sites	38			

Table 4.1.5
Incidence from selected cancer sites

Finland

Cancer sites (ICD 9th.revision)	Observed	Expected	SIR	95% Conf.Interval
ALL MALIGNANT NEOPLASMS (140-208)	1032	1466.94	0.70	[0.66 - 0.75]
Buccal Pharynx (140-149)	26	40.98	0.63	[0.41 - 0.93]
Oesophagus (150)	10	20.49	0.49	[0.23 - 0.90]
Stomach (151)	76	128.17	0.59	[0.47 - 0.74]
Small intestine (152)	8	4.49	1.78	[0.77 - 3.51]
Large intestine and rectum(153-154)	89	107.24	0.83	[0.67 - 1.02]
Liver (155)	11	18.54	0.59	[0.30 - 1.06]
Pancreas (157)	35	50.04	0.70	[0.49 - 0.97]
Larynx (161)	16	21.53	0.74	[0.42 - 1.21]
Lung (162)	217	275.84	0.79	[0.69 - 0.90]
Bone (170)	3	5.02	0.60	[0.12 - 1.75]
Melanoma of skin (172)	35	27.62	1.27	[0.88 - 1.76]
Breast (174-175)	78	81.68	0.95	[0.75 - 1.19]
Cervix uteri (180)	14	15.8	0.89	[0.48 - 1.49]
Ovary (183)	14	18.05	0.78	[0.42 - 1.30]
Uterus (179,181-182)	13	22.35	0.58	[0.31 - 0.99]
Other female genital organs (184)	6	2.08	2.89	[1.06 - 6.29]
Prostate (185)	106	124.98	0.85	[0.69 - 1.03]
Testis (186)	8	5.25	1.52	[0.66 - 3.00]
Bladder (188)	52	51.58	1.01	[0.75 - 1.32]
Kidney (189)	35	43.46	0.81	[0.56 - 1.12]
Brain (191-192)	27	28.23	0.96	[0.63 - 1.39]
Thyroid (193)	5	11.94	0.42	[0.14 - 0.98]
Non-Hodgkins lymphoma (200,202)	18	34.67	0.52	[0.31 - 0.82]
Hodgkins disease (201)	6	10.98	0.55	[0.20 - 1.19]
Leukemia (204-208)	24	30.3	0.79	[0.51 - 1.18]
Other malignant neoplasms	100	286.73	0.35	[0.28 - 0.42]
Non malignant sites	0			

Table 4.1.6
Incidence from selected cancer sites

Finland

Men

Cancer sites (ICD 9th.revision)	Observed	Expected	SIR	95% Conf.Interval
ALL MALIGNANT NEOPLASMS (140-208)	752	1094.95	0.69	[0.64 - 0.74]
Buccal Pharynx (140-149)	22	35.55	0.62	[0.39 - 0.94]
Oesophagus (150)	5	15.74	0.32	[0.10 - 0.74]
Stomach (151)	60	103.53	0.58	[0.44 - 0.75]
Small intestine (152)	6	3.43	1.75	[0.64 - 3.81]
Large intestine and rectum(153-154)	66	76.39	0.86	[0.67 - 1.10]
Liver (155)	6	14.47	0.41	[0.15 - 0.90]
Pancreas (157)	25	37.37	0.67	[0.43 - 0.99]
Larynx (161)	16	20.93	0.76	[0.44 - 1.24]
Lung (162)	208	263.39	0.79	[0.69 - 0.90]
Bone (170)	3	4.07	0.74	[0.15 - 2.16]
Melanoma of skin (172)	25	20.5	1.22	[0.79 - 1.80]
Breast (174-175)	0	1.08	0.00	[0.00 - 3.40]
Cervix uteri (180)	0	-	-	-
Ovary (183)	0	-	-	-
Uterus (179,181-182)	0	-	-	-
Other female genital organs (184)	0	-	-	-
Prostate (185)	106	124.98	0.85	[0.69 - 1.03]
Testis (186)	8	5.25	1.52	[0.66 - 3.00]
Bladder (188)	45	46.75	0.96	[0.70 - 1.29]
Kidney (189)	26	34.35	0.76	[0.49 - 1.11]
Brain (191-192)	20	21.19	0.94	[0.58 - 1.46]
Thyroid (193)	3	5.78	0.52	[0.11 - 1.52]
Non-Hodgkins lymphoma (200,202)	15	26.2	0.57	[0.32 - 0.94]
Hodgkins disease (201)	4	9.09	0.44	[0.12 - 1.13]
Leukemia (204-208)	16	23.37	0.68	[0.39 - 1.11]
Other malignant neoplasms	67	202.64	0.33	[0.26 - 0.42]
Non malignant sites	0			

Finland

Women

Cancer sites (ICD 9th.revision)	Observed	Expected	SIR	95% Conf.Interval
ALL MALIGNANT NEOPLASMS (140-208)	280	371.99	0.75	[0.67 - 0.85]
Buccal Pharynx (140-149)	4	5.43	0.74	[0.20 - 1.89]
Oesophagus (150)	5	4.75	1.05	[0.34 - 2.45]
Stomach (151)	16	24.64	0.65	[0.37 - 1.05]
Small intestine (152)	2	1.06	1.88	[0.23 - 6.80]
Large intestine and rectum(153-154)	23	30.85	0.75	[0.47 - 1.12]
Liver (155)	5	4.07	1.23	[0.40 - 2.86]
Pancreas (157)	10	12.67	0.79	[0.38 - 1.45]
Larynx (161)	0	0.61	0.00	[0.00 - 6.09]
Lung (162)	9	12.45	0.72	[0.33 - 1.37]
Bone (170)	0	0.95	0.00	[0.00 - 3.87]
Melanoma of skin (172)	10	7.11	1.41	[0.67 - 2.58]
Breast (174-175)	78	80.59	0.97	[0.77 - 1.21]
Cervix uteri (180)	14	15.8	0.89	[0.48 - 1.49]
Ovary (183)	14	18.05	0.78	[0.42 - 1.30]
Uterus (179,181-182)	13	22.35	0.58	[0.31 - 0.99]
Other female genital organs (184)	6	2.08	2.89	[1.06 - 6.29]
Prostate (185)	0	-	-	-
Testis (186)	0	-	-	-
Bladder (188)	7	4.82	1.45	[0.58 - 2.99]
Kidney (189)	9	9.11	0.99	[0.45 - 1.87]
Brain (191-192)	7	7.04	0.99	[0.40 - 2.05]
Thyroid (193)	2	6.16	0.32	[0.04 - 1.17]
Non-Hodgkins lymphoma (200,202)	3	8.47	0.35	[0.07 - 1.04]
Hodgkins disease (201)	2	1.89	1.06	[0.13 - 3.82]
Leukemia (204-208)	8	6.93	1.15	[0.50 - 2.27]
Other malignant neoplasms	33	84.09	0.39	[0.27 - 0.55]
Non malignant sites	0			

Table 4.1.7
Incidence from selected cancer sites

New Zealand

Cancer sites (ICD 9th.revision)	Observed	Expected	SIR	95% Conf.Interval
ALL MALIGNANT NEOPLASMS (140-208)	175	203.41	0.86	[0.74 - 1.00]
Buccal Pharynx (140-149)	4	8.04	0.50	[0.14 - 1.27]
Oesophagus (150)	4	3.36	1.19	[0.32 - 3.05]
Stomach (151)	6	6.72	0.89	[0.33 - 1.94]
Small intestine (152)	0	0.6	0.00	[0.00 - 6.18]
Large intestine and rectum(153-154)	24	36.07	0.67	[0.43 - 0.99]
Liver (155)	5	1.92	2.60	[0.85 - 6.08]
Pancreas (157)	7	4.35	1.61	[0.65 - 3.32]
Larynx (161)	1	3	0.33	[0.01 - 1.86]
Lung (162)	41	30.28	1.35	[0.97 - 1.84]
Bone (170)	0	1.04	0.00	[0.00 - 3.56]
Melanoma of skin (172)	8	24.05	0.33	[0.14 - 0.66]
Breast (174-175)	10	6.46	1.55	[0.74 - 2.85]
Cervix uteri (180)	3	1.4	2.14	[0.44 - 6.24]
Ovary (183)	1	0.87	1.15	[0.03 - 6.38]
Uterus (179,181-182)	1	0.71	1.41	[0.04 - 7.85]
Other female genital organs (184)	0	0.14	0.00	[0.00 - 26.2]
Prostate (185)	12	12.09	0.99	[0.51 - 1.73]
Testis (186)	5	7.7	0.65	[0.21 - 1.52]
Bladder (188)	9	7.41	1.21	[0.56 - 2.31]
Kidney (189)	5	5.41	0.92	[0.30 - 2.16]
Brain (191-192)	6	6.52	0.92	[0.34 - 2.00]
Thyroid (193)	2	1.51	1.33	[0.16 - 4.80]
Non-Hodgkins lymphoma (200,202)	4	7.38	0.54	[0.15 - 1.39]
Hodgkins disease (201)	0	2.34	0.00	[0.00 - 1.58]
Leukemia (204-208)	3	5.39	0.56	[0.11 - 1.63]
Other malignant neoplasms	14	19.04	0.74	[0.40 - 1.23]
Non malignant sites	1			

Table 4.1.8
Incidence from selected cancer sites

New Zealand

Men

Cancer sites (ICD 9th.revision)	Observed	Expected	SIR	95% Conf.Interval
ALL MALIGNANT NEOPLASMS (140-208)	155	183.89	0.84	[0.72 - 0.99]
Buccal Pharynx (140-149)	4	7.8	0.51	[0.14 - 1.31]
Oesophagus (150)	4	3.27	1.22	[0.33 - 3.13]
Stomach (151)	5	6.49	0.77	[0.25 - 1.80]
Small intestine (152)	0	0.56	0.00	[0.00 - 6.57]
Large intestine and rectum(153-154)	24	33.71	0.71	[0.46 - 1.06]
Liver (155)	5	1.85	2.70	[0.88 - 6.30]
Pancreas (157)	7	4.16	1.68	[0.68 - 3.47]
Larynx (161)	1	2.96	0.34	[0.01 - 1.88]
Lung (162)	40	29.38	1.36	[0.97 - 1.85]
Bone (170)	0	0.97	0.00	[0.00 - 3.82]
Melanoma of skin (172)	7	21.17	0.33	[0.13 - 0.68]
Breast (174-175)	0	0.37	0.00	[0.00 - 10.0]
Cervix uteri (180)	0	-	-	-
Ovary (183)	0	-	-	-
Uterus (179,181-182)	0	-	-	-
Other female genital organs (184)	0	-	-	-
Prostate (185)	12	12.09	0.99	[0.51 - 1.73]
Testis (186)	5	7.7	0.65	[0.21 - 1.52]
Bladder (188)	8	7.24	1.11	[0.48 - 2.18]
Kidney (189)	5	5.19	0.96	[0.31 - 2.25]
Brain (191-192)	6	6.13	0.98	[0.36 - 2.13]
Thyroid (193)	2	1.13	1.77	[0.21 - 6.38]
Non-Hodgkins lymphoma (200,202)	4	6.96	0.57	[0.16 - 1.47]
Hodgkins disease (201)	0	2.15	0.00	[0.00 - 1.71]
Leukemia (204-208)	3	5.05	0.59	[0.12 - 1.74]
Other malignant neoplasms	13	17.95	0.72	[0.39 - 1.24]
Non malignant sites	1			

New Zealand

Women

Cancer sites (ICD 9th.revision)	Observed	Expected	SIR	95% Conf.Interval
ALL MALIGNANT NEOPLASMS (140-208)	20	19.52	1.02	[0.63 - 1.58]
Buccal Pharynx (140-149)	0	0.24	0.00	[0.00 - 15.3]
Oesophagus (150)	0	0.09	0.00	[0.00 - 42.4]
Stomach (151)	1	0.23	4.39	[0.11 - 24.4]
Small intestine (152)	0	0.04	0.00	[0.00 - 0104]
Large intestine and rectum(153-154)	0	2.36	0.00	[0.00 - 1.56]
Liver (155)	0	0.07	0.00	[0.00 - 54.5]
Pancreas (157)	0	0.19	0.00	[0.00 - 19.5]
Larynx (161)	0	0.03	0.00	[0.00 - 0112]
Lung (162)	1	0.9	1.11	[0.03 - 6.16]
Bone (170)	0	0.07	0.00	[0.00 - 51.8]
Melanoma of skin (172)	1	2.88	0.35	[0.01 - 1.93]
Breast (174-175)	10	6.09	1.64	[0.79 - 3.02]
Cervix uteri (180)	3	1.4	2.14	[0.44 - 6.24]
Ovary (183)	1	0.87	1.15	[0.03 - 6.38]
Uterus (179,181-182)	1	0.71	1.41	[0.04 - 7.85]
Other female genital organs (184)	0	0.14	0.00	[0.00 - 26.2]
Prostate (185)	0	-	-	-
Testis (186)	0	-	-	-
Bladder (188)	1	0.17	5.91	[0.15 - 32.9]
Kidney (189)	0	0.22	0.00	[0.00 - 16.5]
Brain (191-192)	0	0.39	0.00	[0.00 - 9.54]
Thyroid (193)	0	0.37	0.00	[0.00 - 9.86]
Non-Hodgkins lymphoma (200,202)	0	0.42	0.00	[0.00 - 8.74]
Hodgkins disease (201)	0	0.18	0.00	[0.00 - 20.1]
Leukemia (204-208)	0	0.34	0.00	[0.00 - 10.7]
Other malignant neoplasms	1	1.09	0.92	[0.02 - 5.11]
Non malignant sites	0			

**Table 4.1.9
Incidence from selected cancer sites**

Norway

Cancer sites (ICD 9th.revision)	Observed	Expected	SIR	95% Conf.Interval
ALL MALIGNANT NEOPLASMS (140-208)	2957	2899.25	1.02	[0.98 - 1.06]
Buccal Pharynx (140-149)	94	86.5	1.09	[0.88 - 1.33]
Oesophagus (150)	31	32.58	0.95	[0.65 - 1.35]
Stomach (151)	211	228.94	0.92	[0.80 - 1.05]
Small intestine (152)	9	8.85	1.02	[0.46 - 1.93]
Large intestine and rectum(153-154)	416	384.77	1.08	[0.98 - 1.19]
Liver (155)	13	19.39	0.67	[0.36 - 1.15]
Pancreas (157)	95	100.45	0.95	[0.77 - 1.16]
Larynx (161)	40	34.64	1.15	[0.82 - 1.57]
Lung (162)	446	353.34	1.26	[1.15 - 1.39]
Bone (170)	6	6.24	0.96	[0.35 - 2.09]
Melanoma of skin (172)	120	107.62	1.12	[0.92 - 1.33]
Breast (174-175)	98	92.76	1.06	[0.86 - 1.29]
Cervix uteri (180)	29	28	1.04	[0.69 - 1.49]
Ovary (183)	37	24.21	1.53	[1.08 - 2.11]
Uterus (179,181-182)	19	20.46	0.93	[0.56 - 1.45]
Other female genital organs (184)	3	2.13	1.41	[0.29 - 4.12]
Prostate (185)	418	455.68	0.92	[0.83 - 1.01]
Testis (186)	32	42.98	0.74	[0.51 - 1.05]
Bladder (188)	168	175.56	0.96	[0.82 - 1.11]
Kidney (189)	106	100.94	1.05	[0.86 - 1.27]
Brain (191-192)	84	84.01	1.00	[0.80 - 1.24]
Thyroid (193)	6	22.82	0.26	[0.10 - 0.57]
Non-Hodgkins lymphoma (200,202)	86	79.94	1.08	[0.86 - 1.33]
Hodgkins disease (201)	19	23.34	0.81	[0.49 - 1.27]
Leukemia (204-208)	60	66.63	0.90	[0.69 - 1.16]
Other malignant neoplasms	311	320.41	0.97	[0.87 - 1.08]
Non malignant sites	11			

Table 4.1.10
Incidence from selected cancer sites

Norway

Men

Cancer sites (ICD 9th.revision)	Observed	Expected	SIR	95% Conf.Interval
ALL MALIGNANT NEOPLASMS (140-208)	2579	2556.23	1.01	[0.97 - 1.05]
Buccal Pharynx (140-149)	91	82.75	1.10	[0.89 - 1.35]
Oesophagus (150)	30	31.48	0.95	[0.64 - 1.36]
Stomach (151)	193	215.29	0.90	[0.77 - 1.03]
Small intestine (152)	8	7.82	1.02	[0.44 - 2.02]
Large intestine and rectum(153-154)	373	343.97	1.08	[0.98 - 1.20]
Liver (155)	12	18.07	0.66	[0.34 - 1.16]
Pancreas (157)	83	92.23	0.90	[0.72 - 1.12]
Larynx (161)	39	34.21	1.14	[0.81 - 1.56]
Lung (162)	423	339.24	1.25	[1.13 - 1.37]
Bone (170)	5	5.67	0.88	[0.29 - 2.06]
Melanoma of skin (172)	104	89.26	1.17	[0.95 - 1.41]
Breast (174-175)	6	3.95	1.52	[0.56 - 3.31]
Cervix uteri (180)	0	-	-	-
Ovary (183)	0	-	-	-
Uterus (179,181-182)	0	-	-	-
Other female genital organs (184)	0	-	-	-
Prostate (185)	418	455.68	0.92	[0.83 - 1.01]
Testis (186)	32	42.98	0.74	[0.51 - 1.05]
Bladder (188)	163	169.32	0.96	[0.82 - 1.12]
Kidney (189)	97	93.81	1.03	[0.84 - 1.26]
Brain (191-192)	70	73.96	0.95	[0.74 - 1.20]
Thyroid (193)	6	15.49	0.39	[0.14 - 0.84]
Non-Hodgkins lymphoma (200,202)	79	71.66	1.10	[0.87 - 1.37]
Hodgkins disease (201)	18	21.18	0.85	[0.50 - 1.34]
Leukemia (204-208)	58	60.95	0.95	[0.72 - 1.23]
Other malignant neoplasms	271	291.23	0.93	[0.82 - 1.05]
Non malignant sites	10			

Norway

Women

Cancer sites (ICD 9th.revision)	Observed	Expected	SIR	95% Conf.Interval
ALL MALIGNANT NEOPLASMS (140-208)	378	343.01	1.10	[0.99 - 1.22]
Buccal Pharynx (140-149)	3	3.75	0.80	[0.17 - 2.34]
Oesophagus (150)	1	1.1	0.91	[0.02 - 5.06]
Stomach (151)	18	13.64	1.32	[0.78 - 2.09]
Small intestine (152)	1	1.04	0.97	[0.02 - 5.38]
Large intestine and rectum(153-154)	43	40.81	1.05	[0.76 - 1.42]
Liver (155)	1	1.32	0.76	[0.02 - 4.21]
Pancreas (157)	12	8.22	1.46	[0.75 - 2.55]
Larynx (161)	1	0.43	2.30	[0.06 - 12.8]
Lung (162)	23	14.1	1.63	[1.03 - 2.45]
Bone (170)	1	0.57	1.74	[0.04 - 9.69]
Melanoma of skin (172)	16	18.36	0.87	[0.50 - 1.41]
Breast (174-175)	92	88.81	1.04	[0.84 - 1.27]
Cervix uteri (180)	29	28	1.04	[0.69 - 1.49]
Ovary (183)	37	24.21	1.53	[1.08 - 2.11]
Uterus (179,181-182)	19	20.46	0.93	[0.56 - 1.45]
Other female genital organs (184)	3	2.13	1.41	[0.29 - 4.12]
Prostate (185)	0	-	-	-
Testis (186)	0	-	-	-
Bladder (188)	5	6.24	0.80	[0.26 - 1.87]
Kidney (189)	9	7.13	1.26	[0.58 - 2.40]
Brain (191-192)	14	10.05	1.39	[0.76 - 2.34]
Thyroid (193)	0	7.33	0.00	[0.00 - 0.50]
Non-Hodgkins lymphoma (200,202)	7	8.28	0.85	[0.34 - 1.74]
Hodgkins disease (201)	1	2.16	0.46	[0.01 - 2.58]
Leukemia (204-208)	2	5.68	0.35	[0.04 - 1.27]
Other malignant neoplasms	40	29.18	1.37	[0.98 - 1.87]
Non malignant sites	1			

Table 4.1.11
Incidence from selected cancer sites

Sweden

Cancer sites (ICD 9th.revision)	Observed	Expected	SIR	95% Conf.Interval
ALL MALIGNANT NEOPLASMS (140-208)	499	518.7	0.96	[0.88 - 1.05]
Buccal Pharynx (140-149)	8	13.96	0.57	[0.25 - 1.13]
Oesophagus (150)	3	6.1	0.49	[0.10 - 1.44]
Stomach (151)	28	32.03	0.87	[0.58 - 1.26]
Small intestine (152)	1	2.7	0.37	[0.01 - 2.07]
Large intestine and rectum(153-154)	73	60.83	1.20	[0.94 - 1.51]
Liver (155)	6	7.55	0.79	[0.29 - 1.73]
Pancreas (157)	16	17.38	0.92	[0.53 - 1.49]
Larynx (161)	1	5.34	0.19	[0.00 - 1.04]
Lung (162)	43	50.07	0.86	[0.62 - 1.16]
Bone (170)	0	1.44	0.00	[0.00 - 2.56]
Melanoma of skin (172)	12	17.56	0.68	[0.35 - 1.19]
Breast (174-175)	13	19.57	0.66	[0.35 - 1.14]
Cervix uteri (180)	19	3.51	5.42	[3.26 - 8.46]
Ovary (183)	4	4.42	0.90	[0.25 - 2.32]
Uterus (179,181-182)	4	4.47	0.89	[0.24 - 2.29]
Other female genital organs (184)	1	0.38	2.64	[0.07 - 14.7]
Prostate (185)	77	86.74	0.89	[0.70 - 1.11]
Testis (186)	5	6.5	0.77	[0.25 - 1.80]
Bladder (188)	32	30.8	1.04	[0.71 - 1.47]
Kidney (189)	12	22.34	0.54	[0.28 - 0.94]
Brain (191-192)	23	17.36	1.33	[0.84 - 1.99]
Thyroid (193)	4	4.02	1.00	[0.27 - 2.55]
Non-Hodgkins lymphoma (200,202)	20	16.32	1.23	[0.75 - 1.89]
Hodgkins disease (201)	4	4.87	0.82	[0.22 - 2.10]
Leukemia (204-208)	4	14.98	0.27	[0.07 - 0.68]
Other malignant neoplasms	86	68.25	1.26	[1.01 - 1.56]
Non malignant sites	3			

**Table 4.1.12
Incidence from selected cancer sites**

Sweden

Men

Cancer sites (ICD 9th.revision)	Observed	Expected	SIR	95% Conf.Interval
ALL MALIGNANT NEOPLASMS (140-208)	424	454.51	0.93	[0.85 - 1.03]
Buccal Pharynx (140-149)	8	13.24	0.60	[0.26 - 1.19]
Oesophagus (150)	3	5.86	0.51	[0.11 - 1.50]
Stomach (151)	27	30.19	0.89	[0.59 - 1.30]
Small intestine (152)	1	2.45	0.41	[0.01 - 2.28]
Large intestine and rectum(153-154)	67	54.49	1.23	[0.95 - 1.56]
Liver (155)	5	7.02	0.71	[0.23 - 1.66]
Pancreas (157)	15	15.82	0.95	[0.53 - 1.56]
Larynx (161)	1	5.24	0.19	[0.00 - 1.06]
Lung (162)	39	47.66	0.82	[0.58 - 1.12]
Bone (170)	0	1.32	0.00	[0.00 - 2.80]
Melanoma of skin (172)	10	15.21	0.66	[0.32 - 1.21]
Breast (174-175)	1	0.78	1.29	[0.03 - 7.17]
Cervix uteri (180)	0	-	-	-
Ovary (183)	0	-	-	-
Uterus (179,181-182)	0	-	-	-
Other female genital organs (184)	0	-	-	-
Prostate (185)	77	86.74	0.89	[0.70 - 1.11]
Testis (186)	5	6.5	0.77	[0.25 - 1.80]
Bladder (188)	31	29.62	1.05	[0.71 - 1.49]
Kidney (189)	12	20.61	0.58	[0.30 - 1.02]
Brain (191-192)	19	15.29	1.24	[0.75 - 1.94]
Thyroid (193)	4	2.98	1.34	[0.37 - 3.44]
Non-Hodgkins lymphoma (200,202)	18	14.85	1.21	[0.72 - 1.92]
Hodgkins disease (201)	4	4.52	0.88	[0.24 - 2.26]
Leukemia (204-208)	3	13.76	0.22	[0.04 - 0.64]
Other malignant neoplasms	74	61.14	1.21	[0.95 - 1.52]
Non malignant sites	2			

Sweden

Women

Cancer sites (ICD 9th.revision)	Observed	Expected	SIR	95% Conf.Interval
ALL MALIGNANT NEOPLASMS (140-208)	75	64.19	1.17	[0.92 - 1.46]
Buccal Pharynx (140-149)	0	0.71	0.00	[0.00 - 5.17]
Oesophagus (150)	0	0.24	0.00	[0.00 - 15.6]
Stomach (151)	1	1.84	0.54	[0.01 - 3.03]
Small intestine (152)	0	0.25	0.00	[0.00 - 14.9]
Large intestine and rectum(153-154)	6	6.34	0.95	[0.35 - 2.06]
Liver (155)	1	0.53	1.89	[0.05 - 10.5]
Pancreas (157)	1	1.56	0.64	[0.02 - 3.57]
Larynx (161)	0	0.1	0.00	[0.00 - 37.3]
Lung (162)	4	2.41	1.66	[0.45 - 4.25]
Bone (170)	0	0.12	0.00	[0.00 - 29.9]
Melanoma of skin (172)	2	2.36	0.85	[0.10 - 3.07]
Breast (174-175)	12	18.79	0.64	[0.33 - 1.12]
Cervix uteri (180)	19	3.51	5.42	[3.26 - 8.46]
Ovary (183)	4	4.42	0.90	[0.25 - 2.32]
Uterus (179,181-182)	4	4.47	0.89	[0.24 - 2.29]
Other female genital organs (184)	1	0.38	2.64	[0.07 - 14.7]
Prostate (185)	0	-	-	-
Testis (186)	0	-	-	-
Bladder (188)	1	1.18	0.85	[0.02 - 4.73]
Kidney (189)	0	1.72	0.00	[0.00 - 2.14]
Brain (191-192)	4	2.07	1.93	[0.53 - 4.95]
Thyroid (193)	0	1.04	0.00	[0.00 - 3.55]
Non-Hodgkins lymphoma (200,202)	2	1.47	1.36	[0.16 - 4.92]
Hodgkins disease (201)	0	0.35	0.00	[0.00 - 10.6]
Leukemia (204-208)	1	1.22	0.82	[0.02 - 4.57]
Other malignant neoplasms	12	7.11	1.69	[0.87 - 2.95]
Non malignant sites	1			

Table 4.2.1
Incidence from selected cancer sites by years since first employment

TOTAL COHORT

years since first employment(years)	1-9	10-14	15-19	20-24	25+	Total
ALL MALIGNANT NEOPLASMS (140-208)	514 / 649.52 0.79 [0.72 - 0.86]	509 / 552.57 0.92 [0.84 - 1.00]	617 / 688.15 0.90 [0.83 - 0.97]	711 / 771.44 0.92 [0.86 - 0.99]	3569 / 3865.70 0.92 [0.89 - 0.95]	5920 / 6527.38 0.91 [0.88 - 0.93]
Test for trend : Chi2= 6.84 p=0.009						
Oral cavity & pharynx (140-149)	24 / 22.25 1.08 [0.69 - 1.60]	30 / 18.17 1.65 [1.11 - 2.36]	23 / 21.63 1.06 [0.67 - 1.60]	21 / 23.39 0.90 [0.56 - 1.37]	89 / 100.84 0.88 [0.71 - 1.09]	187 / 186.28 1.00 [0.87 - 1.16]
Test for trend : Chi2= 4.48 p=0.034						
Oesophagus (150)	7 / 6.04 1.16 [0.47 - 2.39]	2 / 6.02 0.33 [0.04 - 1.20]	8 / 7.95 1.01 [0.43 - 1.98]	9 / 9.41 0.96 [0.44 - 1.81]	33 / 49.25 0.67 [0.46 - 0.94]	59 / 78.68 0.75 [0.57 - 0.97]
Test for trend : Chi2= 0.70 p=0.404						
Oesophagus (150)	2 / 1.95 1.02 [0.12 - 3.70]	0 / 1.74 0.00 [0.00 - 2.12]	0 / 2.23 0.00 [0.00 - 1.66]	2 / 2.49 0.80 [0.10 - 2.90]	15 / 11.64 1.29 [0.72 - 2.13]	19 / 20.05 0.95 [0.57 - 1.48]
Test for trend : Chi2= 2.19 p=0.139						
Oesophagus (150)	43 / 62.27 0.69 [0.50 - 0.93]	56 / 59.53 0.94 [0.71 - 1.22]	73 / 77.91 0.94 [0.73 - 1.18]	66 / 89.12 0.74 [0.57 - 0.94]	461 / 471.07 0.98 [0.89 - 1.07]	699 / 759.90 0.92 [0.85 - 0.99]
Test for trend : Chi2= 3.62 p=0.057						
Larynx (161)	6 / 9.20 0.65 [0.24 - 1.42]	11 / 8.18 1.34 [0.67 - 2.41]	9 / 10.20 0.88 [0.40 - 1.67]	7 / 11.43 0.61 [0.25 - 1.26]	55 / 47.72 1.15 [0.87 - 1.50]	88 / 86.72 1.01 [0.81 - 1.25]
Test for trend : Chi2= 0.90 p=0.344						
Lung (162)	69 / 79.01 0.87 [0.68 - 1.11]	84 / 75.97 1.11 [0.88 - 1.37]	101 / 99.42 1.02 [0.83 - 1.23]	137 / 114.65 1.19 [1.00 - 1.41]	611 / 577.59 1.06 [0.98 - 1.15]	1002 / 946.64 1.06 [0.99 - 1.13]
Test for trend : Chi2= 0.92 p=0.336						
Cervix uteri (180)	29 / 17.04 1.70 [1.14 - 2.44]	12 / 11.00 1.09 [0.56 - 1.91]	16 / 11.23 1.43 [0.81 - 2.31]	7 / 9.86 0.71 [0.29 - 1.46]	24 / 21.98 1.09 [0.70 - 1.62]	88 / 71.11 1.24 [0.99 - 1.52]
Test for trend : Chi2= 3.06 p=0.080						
Ovary (183)	7 / 8.70 0.80 [0.32 - 1.66]	9 / 6.47 1.39 [0.64 - 2.64]	8 / 7.60 1.05 [0.45 - 2.07]	10 / 8.24 1.21 [0.58 - 2.23]	41 / 30.94 1.32 [0.95 - 1.80]	75 / 61.97 1.21 [0.95 - 1.52]
Test for trend : Chi2= 1.01 p=0.315						
Other female genital organs (184)	0 / 0.34 0.00 [0.00 - 10.7]	0 / 0.37 0.00 [0.00 - 9.97]	1 / 0.55 1.82 [0.05 - 10.1]	1 / 0.69 1.46 [0.04 - 8.12]	10 / 4.20 2.38 [1.14 - 4.38]	12 / 6.15 1.95 [1.01 - 3.41]
Test for trend : Chi2= 1.67 p=0.197						
Prostate (185)	18 / 28.24 0.64 [0.38 - 1.01]	35 / 39.52 0.89 [0.62 - 1.23]	50 / 61.58 0.81 [0.60 - 1.07]	72 / 77.33 0.93 [0.73 - 1.17]	531 / 575.36 0.92 [0.85 - 1.00]	706 / 782.03 0.90 [0.84 - 0.97]
Test for trend : Chi2= 2.09 p=0.148						
Testis (186)	22 / 36.40 0.60 [0.38 - 0.91]	13 / 18.24 0.71 [0.38 - 1.22]	2 / 13.34 0.15 [0.02 - 0.54]	4 / 8.57 0.47 [0.13 - 1.20]	10 / 11.89 0.84 [0.40 - 1.55]	51 / 88.45 0.58 [0.43 - 0.76]
Test for trend : Chi2= 0.01 p=0.934						
Bladder (188)	31 / 29.30 1.06 [0.72 - 1.50]	33 / 28.80 1.15 [0.79 - 1.61]	37 / 38.09 0.97 [0.68 - 1.34]	45 / 44.06 1.02 [0.75 - 1.37]	222 / 229.62 0.97 [0.84 - 1.10]	368 / 369.86 0.99 [0.90 - 1.10]
Test for trend : Chi2= 0.62 p=0.433						
Bladder (188)	26 / 36.46 0.71 [0.47 - 1.04]	16 / 26.70 0.60 [0.34 - 0.97]	22 / 28.91 0.76 [0.48 - 1.15]	32 / 28.69 1.12 [0.76 - 1.57]	107 / 90.60 1.18 [0.97 - 1.43]	203 / 211.35 0.96 [0.83 - 1.10]
Test for trend : Chi2= 10.69 p=0.001						
Non-Hodgkins lymphoma (200,202)	26 / 19.78 1.31 [0.86 - 1.93]	12 / 15.86 0.76 [0.39 - 1.32]	21 / 19.28 1.09 [0.67 - 1.66]	24 / 20.88 1.15 [0.74 - 1.71]	68 / 94.20 0.72 [0.56 - 0.92]	151 / 169.99 0.89 [0.75 - 1.04]
Test for trend : Chi2= 5.27 p=0.022						

Table 4.2.1
Incidence from selected cancer sites by years since first employment

TOTAL COHORT

Men

years since first employment(years)	1-9	10-14	15-19	20-24	25+	Total
ALL MALIGNANT NEOPLASMS (140-208) Test for trend : Chi2= 6.51 p=0.011	410 / 526.55 0.78 [0.71 - 0.86]	425 / 456.12 0.93 [0.85 - 1.02]	505 / 569.99 0.89 [0.81 - 0.97]	577 / 638.92 0.90 [0.83 - 0.98]	3026 / 3276.02 0.92 [0.89 - 0.96]	4943 / 5467.60 0.90 [0.88 - 0.93]
Oral cavity & pharynx (140-149) Test for trend : Chi2= 4.84 p=0.028	23 / 20.73 1.11 [0.70 - 1.67]	29 / 17.01 1.71 [1.14 - 2.45]	21 / 20.24 1.04 [0.64 - 1.59]	18 / 21.89 0.82 [0.49 - 1.30]	83 / 93.62 0.89 [0.71 - 1.10]	174 / 173.47 1.00 [0.86 - 1.16]
Oesophagus (150) Test for trend : Chi2= 0.40 p=0.529	6 / 5.67 1.06 [0.39 - 2.30]	2 / 5.63 0.36 [0.04 - 1.28]	6 / 7.39 0.81 [0.30 - 1.77]	8 / 8.68 0.92 [0.40 - 1.82]	28 / 44.03 0.64 [0.42 - 0.92]	50 / 71.40 0.70 [0.52 - 0.92]
Oesophagus (150) Test for trend : Chi2= 1.24 p=0.265	2 / 1.71 1.17 [0.14 - 4.23]	0 / 1.52 0.00 [0.00 - 2.43]	0 / 1.93 0.00 [0.00 - 1.91]	2 / 2.14 0.93 [0.11 - 3.37]	12 / 9.88 1.21 [0.63 - 2.12]	16 / 17.19 0.93 [0.53 - 1.51]
Oesophagus (150) Test for trend : Chi2= 3.50 p=0.061	41 / 53.90 0.76 [0.55 - 1.03]	49 / 51.76 0.95 [0.70 - 1.25]	60 / 67.43 0.89 [0.68 - 1.15]	52 / 76.70 0.68 [0.51 - 0.89]	408 / 402.77 1.01 [0.92 - 1.12]	610 / 652.57 0.93 [0.86 - 1.01]
Larynx (161) Test for trend : Chi2= 0.50 p=0.477	6 / 8.97 0.67 [0.25 - 1.46]	11 / 7.98 1.38 [0.69 - 2.47]	9 / 9.95 0.90 [0.41 - 1.72]	7 / 11.15 0.63 [0.25 - 1.29]	52 / 46.59 1.12 [0.83 - 1.46]	85 / 84.62 1.00 [0.80 - 1.24]
Lung (162) Test for trend : Chi2= 0.34 p=0.558	66 / 75.38 0.88 [0.68 - 1.11]	81 / 72.29 1.12 [0.89 - 1.39]	97 / 94.33 1.03 [0.83 - 1.25]	127 / 108.51 1.17 [0.98 - 1.39]	568 / 548.35 1.04 [0.95 - 1.12]	939 / 898.86 1.04 [0.98 - 1.11]
Cervix uteri (180)	0 / 0.00 . [. - .]	0 / 0.00 . [. - .]	0 / 0.00 . [. - .]	0 / 0.00 . [. - .]	0 / 0.00 . [. - .]	0 / 0.00 . [. - .]
Ovary (183)	0 / 0.00 . [. - .]	0 / 0.00 . [. - .]	0 / 0.00 . [. - .]	0 / 0.00 . [. - .]	0 / 0.00 . [. - .]	0 / 0.00 . [. - .]
Other female genital organs (184)	0 / 0.00 . [. - .]	0 / 0.00 . [. - .]	0 / 0.00 . [. - .]	0 / 0.00 . [. - .]	0 / 0.00 . [. - .]	0 / 0.00 . [. - .]
Prostate (185) Test for trend : Chi2= 2.09 p=0.148	18 / 28.24 0.64 [0.38 - 1.01]	35 / 39.52 0.89 [0.62 - 1.23]	50 / 61.58 0.81 [0.60 - 1.07]	72 / 77.33 0.93 [0.73 - 1.17]	531 / 575.36 0.92 [0.85 - 1.00]	706 / 782.03 0.90 [0.84 - 0.97]
Testis (186) Test for trend : Chi2= 0.01 p=0.934	22 / 36.40 0.60 [0.38 - 0.91]	13 / 18.24 0.71 [0.38 - 1.22]	2 / 13.34 0.15 [0.02 - 0.54]	4 / 8.57 0.47 [0.13 - 1.20]	10 / 11.89 0.84 [0.40 - 1.55]	51 / 88.45 0.58 [0.43 - 0.76]
Bladder (188) Test for trend : Chi2= 0.49 p=0.484	29 / 28.08 1.03 [0.69 - 1.48]	30 / 27.56 1.09 [0.73 - 1.55]	36 / 36.36 0.99 [0.69 - 1.37]	43 / 41.92 1.03 [0.74 - 1.38]	207 / 217.64 0.95 [0.83 - 1.09]	345 / 351.57 0.98 [0.88 - 1.09]
Bladder (188) Test for trend : Chi2= 11.91 p=0.001	18 / 28.68 0.63 [0.37 - 0.99]	15 / 21.56 0.70 [0.39 - 1.15]	17 / 23.48 0.72 [0.42 - 1.16]	25 / 23.40 1.07 [0.69 - 1.58]	94 / 75.13 1.25 [1.01 - 1.53]	169 / 172.26 0.98 [0.84 - 1.14]
Non-Hodgkins lymphoma (200,202) Test for trend : Chi2= 4.67 p=0.031	23 / 17.64 1.30 [0.83 - 1.96]	12 / 14.10 0.85 [0.44 - 1.49]	20 / 16.97 1.18 [0.72 - 1.82]	20 / 18.17 1.10 [0.67 - 1.70]	60 / 80.08 0.75 [0.57 - 0.96]	135 / 146.95 0.92 [0.77 - 1.09]

Table 4.2.1
Incidence from selected cancer sites by years since first employment

TOTAL COHORT

Women

years since first employment(years)	1-9	10-14	15-19	20-24	25+	Total
ALL MALIGNANT NEOPLASMS (140-208)	104 / 122.97 0.85 [0.69 - 1.02]	84 / 96.45 0.87 [0.69 - 1.08]	112 / 118.15 0.95 [0.78 - 1.14]	134 / 132.53 1.01 [0.85 - 1.20]	543 / 589.69 0.92 [0.84 - 1.00]	977 / 1059.78 0.92 [0.86 - 0.98]
Test for trend : Chi2= 0.58 p=0.447						
Oral cavity & pharynx (140-149)	1 / 1.52 0.66 [0.02 - 3.66]	1 / 1.17 0.86 [0.02 - 4.78]	2 / 1.39 1.44 [0.17 - 5.19]	3 / 1.50 2.00 [0.41 - 5.83]	6 / 7.22 0.83 [0.31 - 1.81]	13 / 12.80 1.02 [0.54 - 1.74]
Test for trend : Chi2= 0.00 p=0.986						
Oesophagus (150)	1 / 0.37 2.72 [0.07 - 15.2]	0 / 0.39 0.00 [0.00 - 9.51]	2 / 0.56 3.54 [0.43 - 12.8]	1 / 0.73 1.37 [0.03 - 7.61]	5 / 5.23 0.96 [0.31 - 2.23]	9 / 7.28 1.24 [0.57 - 2.35]
Test for trend : Chi2= 1.00 p=0.317						
Oesophagus (150)	0 / 0.24 0.00 [0.00 - 15.1]	0 / 0.22 0.00 [0.00 - 16.8]	0 / 0.30 0.00 [0.00 - 12.5]	0 / 0.35 0.00 [0.00 - 10.5]	3 / 1.76 1.71 [0.35 - 4.99]	3 / 2.87 1.05 [0.22 - 3.06]
Test for trend : Chi2= 1.36 p=0.243						
Oesophagus (150)	2 / 8.36 0.24 [0.03 - 0.86]	7 / 7.76 0.90 [0.36 - 1.86]	13 / 10.48 1.24 [0.66 - 2.12]	14 / 12.42 1.13 [0.62 - 1.89]	53 / 68.30 0.78 [0.58 - 1.02]	89 / 107.33 0.83 [0.67 - 1.02]
Test for trend : Chi2= 0.22 p=0.640						
Larynx (161)	0 / 0.23 0.00 [0.00 - 15.9]	0 / 0.20 0.00 [0.00 - 18.3]	0 / 0.25 0.00 [0.00 - 14.6]	0 / 0.28 0.00 [0.00 - 13.1]	3 / 1.13 2.66 [0.55 - 7.76]	3 / 2.10 1.43 [0.29 - 4.18]
Test for trend : Chi2= 1.81 p=0.178						
Lung (162)	3 / 3.63 0.83 [0.17 - 2.42]	3 / 3.68 0.82 [0.17 - 2.38]	4 / 5.08 0.79 [0.21 - 2.01]	10 / 6.14 1.63 [0.78 - 2.99]	43 / 29.24 1.47 [1.06 - 1.98]	63 / 47.78 1.32 [1.01 - 1.69]
Test for trend : Chi2= 2.46 p=0.117						
Cervix uteri (180)	29 / 17.04 1.70 [1.14 - 2.44]	12 / 11.00 1.09 [0.56 - 1.91]	16 / 11.23 1.43 [0.81 - 2.31]	7 / 9.86 0.71 [0.29 - 1.46]	24 / 21.98 1.09 [0.70 - 1.62]	88 / 71.11 1.24 [0.99 - 1.52]
Test for trend : Chi2= 3.06 p=0.080						
Ovary (183)	7 / 8.70 0.80 [0.32 - 1.66]	9 / 6.47 1.39 [0.64 - 2.64]	8 / 7.60 1.05 [0.45 - 2.07]	10 / 8.24 1.21 [0.58 - 2.23]	41 / 30.94 1.32 [0.95 - 1.80]	75 / 61.97 1.21 [0.95 - 1.52]
Test for trend : Chi2= 1.01 p=0.315						
Other female genital organs (184)	0 / 0.34 0.00 [0.00 - 10.7]	0 / 0.37 0.00 [0.00 - 9.97]	1 / 0.55 1.82 [0.05 - 10.1]	1 / 0.69 1.46 [0.04 - 8.12]	10 / 4.20 2.38 [1.14 - 4.38]	12 / 6.15 1.95 [1.01 - 3.41]
Test for trend : Chi2= 1.67 p=0.197						
Prostate (185)	0 / 0.00 [. - .]	0 / 0.00 [. - .]	0 / 0.00 [. - .]	0 / 0.00 [. - .]	0 / 0.00 [. - .]	0 / 0.00 [. - .]
Testis (186)	0 / 0.00 [. - .]	0 / 0.00 [. - .]	0 / 0.00 [. - .]	0 / 0.00 [. - .]	0 / 0.00 [. - .]	0 / 0.00 [. - .]
Bladder (188)	2 / 1.22 1.64 [0.20 - 5.93]	3 / 1.24 2.43 [0.50 - 7.09]	1 / 1.73 0.58 [0.01 - 3.21]	2 / 2.13 0.94 [0.11 - 3.39]	15 / 11.97 1.25 [0.70 - 2.07]	23 / 18.29 1.26 [0.80 - 1.89]
Test for trend : Chi2= 0.28 p=0.598						
Bladder (188)	8 / 7.77 1.03 [0.44 - 2.03]	1 / 5.13 0.19 [0.00 - 1.09]	5 / 5.43 0.92 [0.30 - 2.15]	7 / 5.28 1.32 [0.53 - 2.73]	13 / 15.47 0.84 [0.45 - 1.44]	34 / 39.09 0.87 [0.60 - 1.22]
Test for trend : Chi2= 0.07 p=0.787						
Non-Hodgkins lymphoma (200,202)	3 / 2.14 1.40 [0.29 - 4.09]	0 / 1.76 0.00 [0.00 - 2.10]	1 / 2.31 0.43 [0.01 - 2.41]	4 / 2.71 1.48 [0.40 - 3.79]	8 / 14.12 0.57 [0.24 - 1.12]	16 / 23.04 0.69 [0.40 - 1.13]
Test for trend : Chi2= 0.37 p=0.544						

Table 4.2.2
Incidence from selected cancer sites by years since first employment

Denmark

years since first employment(years)	1-9	10-14	15-19	20-24	25+	Total
ALL MALIGNANT NEOPLASMS (140-208)	185 / 228.72 0.81 [0.70 - 0.93]	168 / 183.08 0.92 [0.78 - 1.07]	195 / 216.09 0.90 [0.78 - 1.04]	227 / 219.25 1.04 [0.91 - 1.18]	482 / 591.95 0.81 [0.74 - 0.89]	1257 / 1439.09 0.87 [0.83 - 0.92]
Test for trend : Chi2= 0.06 p=0.806						
Oral cavity & pharynx (140-149)	11 / 7.02 1.57 [0.78 - 2.80]	13 / 5.23 2.48 [1.32 - 4.25]	9 / 5.84 1.54 [0.70 - 2.93]	10 / 5.52 1.81 [0.87 - 3.33]	12 / 13.18 0.91 [0.47 - 1.59]	55 / 36.80 1.49 [1.13 - 1.95]
Test for trend : Chi2= 3.02 p=0.082						
Oesophagus (150)	0 / 2.07 0.00 [0.00 - 1.78]	0 / 1.88 0.00 [0.00 - 1.97]	2 / 2.37 0.84 [0.10 - 3.04]	3 / 2.67 1.12 [0.23 - 3.28]	6 / 7.15 0.84 [0.31 - 1.83]	11 / 16.15 0.68 [0.34 - 1.22]
Test for trend : Chi2= 2.45 p=0.117						
Oesophagus (150)	1 / 0.54 1.85 [0.05 - 10.3]	0 / 0.44 0.00 [0.00 - 8.31]	0 / 0.53 0.00 [0.00 - 6.91]	0 / 0.51 0.00 [0.00 - 7.20]	0 / 1.39 0.00 [0.00 - 2.66]	1 / 3.42 0.29 [0.01 - 1.63]
Test for trend : Chi2= 2.79 p=0.095						
Oesophagus (150)	12 / 23.07 0.52 [0.27 - 0.91]	12 / 20.17 0.60 [0.31 - 1.04]	19 / 24.65 0.77 [0.46 - 1.20]	13 / 25.56 0.51 [0.27 - 0.87]	41 / 77.55 0.53 [0.38 - 0.72]	97 / 170.99 0.57 [0.46 - 0.69]
Test for trend : Chi2= 0.16 p=0.686						
Larynx (161)	3 / 3.78 0.79 [0.16 - 2.32]	6 / 3.08 1.95 [0.71 - 4.24]	5 / 3.59 1.39 [0.45 - 3.25]	5 / 3.55 1.41 [0.46 - 3.29]	11 / 8.22 1.34 [0.67 - 2.40]	30 / 22.22 1.35 [0.91 - 1.93]
Test for trend : Chi2= 0.08 p=0.773						
Lung (162)	37 / 35.83 1.03 [0.73 - 1.42]	29 / 31.11 0.93 [0.62 - 1.34]	34 / 36.80 0.92 [0.64 - 1.29]	61 / 36.30 1.68 [1.29 - 2.16]	94 / 97.07 0.97 [0.78 - 1.19]	255 / 237.11 1.08 [0.95 - 1.22]
Test for trend : Chi2= 0.13 p=0.715						
Cervix uteri (180)	9 / 6.15 1.46 [0.67 - 2.78]	2 / 3.79 0.53 [0.06 - 1.91]	3 / 3.60 0.83 [0.17 - 2.43]	1 / 3.05 0.33 [0.01 - 1.83]	8 / 5.80 1.38 [0.60 - 2.72]	23 / 22.39 1.03 [0.65 - 1.54]
Test for trend : Chi2= 0.04 p=0.838						
Ovary (183)	4 / 2.35 1.70 [0.46 - 4.36]	4 / 1.65 2.42 [0.66 - 6.19]	1 / 1.92 0.52 [0.01 - 2.90]	1 / 2.10 0.48 [0.01 - 2.66]	9 / 6.39 1.41 [0.64 - 2.67]	19 / 14.41 1.32 [0.79 - 2.06]
Test for trend : Chi2= 0.41 p=0.524						
Other female genital organs (184)	0 / 0.10 0.00 [0.00 - 35.5]	0 / 0.13 0.00 [0.00 - 27.8]	0 / 0.19 0.00 [0.00 - 19.1]	1 / 0.21 4.82 [0.12 - 26.9]	1 / 0.79 1.26 [0.03 - 7.04]	2 / 1.43 1.40 [0.17 - 5.06]
Test for trend : Chi2= 0.27 p=0.600						
Prostate (185)	7 / 8.25 0.85 [0.34 - 1.75]	7 / 10.55 0.66 [0.27 - 1.37]	11 / 15.24 0.72 [0.36 - 1.29]	19 / 16.60 1.14 [0.69 - 1.79]	49 / 51.89 0.94 [0.70 - 1.25]	93 / 102.53 0.91 [0.73 - 1.11]
Test for trend : Chi2= 0.78 p=0.378						
Testis (186)	0 / 12.54 0.00 [0.00 - 0.29]	0 / 5.48 0.00 [0.00 - 0.67]	0 / 3.73 0.00 [0.00 - 0.99]	0 / 2.24 0.00 [0.00 - 1.65]	1 / 2.04 0.49 [0.01 - 2.73]	1 / 26.02 0.04 [0.00 - 0.21]
Test for trend : Chi2= 5.15 p=0.023						
Bladder (188)	16 / 14.62 1.09 [0.63 - 1.78]	19 / 13.12 1.45 [0.87 - 2.26]	16 / 16.05 1.00 [0.57 - 1.62]	19 / 16.54 1.15 [0.69 - 1.79]	37 / 44.19 0.84 [0.59 - 1.15]	107 / 104.52 1.02 [0.84 - 1.24]
Test for trend : Chi2= 2.09 p=0.148						
Bladder (188)	6 / 7.81 0.77 [0.28 - 1.67]	4 / 5.41 0.74 [0.20 - 1.89]	7 / 5.81 1.20 [0.48 - 2.48]	5 / 5.56 0.90 [0.29 - 2.10]	6 / 9.90 0.61 [0.22 - 1.32]	28 / 34.50 0.81 [0.54 - 1.17]
Test for trend : Chi2= 0.10 p=0.756						
Non-Hodgkins lymphoma (200,202)	7 / 5.61 1.25 [0.50 - 2.57]	2 / 4.30 0.46 [0.06 - 1.68]	5 / 5.05 0.99 [0.32 - 2.31]	4 / 5.12 0.78 [0.21 - 2.00]	5 / 11.61 0.43 [0.14 - 1.01]	23 / 31.69 0.73 [0.46 - 1.09]
Test for trend : Chi2= 2.41 p=0.121						

Table 4.2.2
Incidence from selected cancer sites by years since first employment

Denmark

Men

years since first employment(years)	1-9	10-14	15-19	20-24	25+	Total
ALL MALIGNANT NEOPLASMS (140-208)	145 / 190.84 0.76 [0.64 - 0.89]	137 / 154.31 0.89 [0.75 - 1.05]	166 / 181.81 0.91 [0.78 - 1.06]	199 / 181.35 1.10 [0.95 - 1.26]	386 / 469.70 0.82 [0.74 - 0.91]	1033 / 1178.01 0.88 [0.82 - 0.93]
Test for trend : Chi2= 0.41 p=0.520						
Oral cavity & pharynx (140-149)	10 / 6.63 1.51 [0.72 - 2.77]	12 / 4.95 2.43 [1.25 - 4.24]	7 / 5.49 1.27 [0.51 - 2.63]	8 / 5.15 1.55 [0.67 - 3.06]	12 / 11.90 1.01 [0.52 - 1.76]	49 / 34.13 1.44 [1.06 - 1.90]
Test for trend : Chi2= 2.05 p=0.152						
Oesophagus (150)	0 / 1.99 0.00 [0.00 - 1.86]	0 / 1.79 0.00 [0.00 - 2.06]	2 / 2.26 0.88 [0.11 - 3.20]	3 / 2.53 1.18 [0.24 - 3.46]	3 / 6.48 0.46 [0.10 - 1.35]	8 / 15.05 0.53 [0.23 - 1.05]
Test for trend : Chi2= 0.87 p=0.352						
Oesophagus (150)	1 / 0.48 2.08 [0.05 - 11.6]	0 / 0.39 0.00 [0.00 - 9.35]	0 / 0.47 0.00 [0.00 - 7.82]	0 / 0.45 0.00 [0.00 - 8.29]	0 / 1.14 0.00 [0.00 - 3.24]	1 / 2.93 0.34 [0.01 - 1.90]
Test for trend : Chi2= 2.67 p=0.102						
Oesophagus (150)	10 / 20.33 0.49 [0.24 - 0.90]	10 / 17.79 0.56 [0.27 - 1.03]	16 / 21.56 0.74 [0.42 - 1.20]	11 / 21.96 0.50 [0.25 - 0.90]	33 / 62.37 0.53 [0.36 - 0.74]	80 / 144.02 0.56 [0.44 - 0.69]
Test for trend : Chi2= 0.02 p=0.879						
Larynx (161)	3 / 3.67 0.82 [0.17 - 2.39]	6 / 2.99 2.01 [0.74 - 4.37]	5 / 3.47 1.44 [0.47 - 3.36]	5 / 3.41 1.47 [0.48 - 3.42]	9 / 7.75 1.16 [0.53 - 2.20]	28 / 21.29 1.32 [0.87 - 1.90]
Test for trend : Chi2= 0.00 p=0.970						
Lung (162)	34 / 34.17 1.00 [0.69 - 1.39]	28 / 29.49 0.95 [0.63 - 1.37]	33 / 34.61 0.95 [0.66 - 1.34]	56 / 33.61 1.67 [1.26 - 2.16]	78 / 87.33 0.89 [0.71 - 1.11]	229 / 219.20 1.04 [0.91 - 1.19]
Test for trend : Chi2= 0.00 p=0.978						
Cervix uteri (180)	0 / 0.00 . [. - .]	0 / 0.00 . [. - .]	0 / 0.00 . [. - .]	0 / 0.00 . [. - .]	0 / 0.00 . [. - .]	0 / 0.00 . [. - .]
Ovary (183)	0 / 0.00 . [. - .]	0 / 0.00 . [. - .]	0 / 0.00 . [. - .]	0 / 0.00 . [. - .]	0 / 0.00 . [. - .]	0 / 0.00 . [. - .]
Other female genital organs (184)	0 / 0.00 . [. - .]	0 / 0.00 . [. - .]	0 / 0.00 . [. - .]	0 / 0.00 . [. - .]	0 / 0.00 . [. - .]	0 / 0.00 . [. - .]
Prostate (185)	7 / 8.25 0.85 [0.34 - 1.75]	7 / 10.55 0.66 [0.27 - 1.37]	11 / 15.24 0.72 [0.36 - 1.29]	19 / 16.60 1.14 [0.69 - 1.79]	49 / 51.89 0.94 [0.70 - 1.25]	93 / 102.53 0.91 [0.73 - 1.11]
Test for trend : Chi2= 0.78 p=0.378						
Testis (186)	0 / 12.54 0.00 [0.00 - 0.29]	0 / 5.48 0.00 [0.00 - 0.67]	0 / 3.73 0.00 [0.00 - 0.99]	0 / 2.24 0.00 [0.00 - 1.65]	1 / 2.04 0.49 [0.01 - 2.73]	1 / 26.02 0.04 [0.00 - 0.21]
Test for trend : Chi2= 5.15 p=0.023						
Bladder (188)	15 / 14.07 1.07 [0.60 - 1.76]	16 / 12.61 1.27 [0.73 - 2.06]	15 / 15.38 0.98 [0.55 - 1.61]	19 / 15.73 1.21 [0.73 - 1.89]	33 / 40.85 0.81 [0.56 - 1.13]	98 / 98.64 0.99 [0.81 - 1.21]
Test for trend : Chi2= 1.40 p=0.237						
Bladder (188)	4 / 5.96 0.67 [0.18 - 1.72]	4 / 4.21 0.95 [0.26 - 2.43]	5 / 4.54 1.10 [0.36 - 2.57]	4 / 4.30 0.93 [0.25 - 2.38]	6 / 7.12 0.84 [0.31 - 1.83]	23 / 26.13 0.88 [0.56 - 1.32]
Test for trend : Chi2= 0.07 p=0.798						
Non-Hodgkins lymphoma (200,202)	7 / 5.05 1.39 [0.56 - 2.85]	2 / 3.86 0.52 [0.06 - 1.87]	4 / 4.49 0.89 [0.24 - 2.28]	3 / 4.47 0.67 [0.14 - 1.96]	3 / 9.41 0.32 [0.07 - 0.93]	19 / 27.28 0.70 [0.42 - 1.09]
Test for trend : Chi2= 4.15 p=0.042						

Table 4.2.2
Incidence from selected cancer sites by years since first employment

Denmark

Women

years since first employment(years)	1-9	10-14	15-19	20-24	25+	Total
ALL MALIGNANT NEOPLASMS (140-208)	40 / 37.88 1.06 [0.75 - 1.44]	31 / 28.77 1.08 [0.73 - 1.53]	29 / 34.28 0.85 [0.57 - 1.21]	28 / 37.89 0.74 [0.49 - 1.07]	96 / 122.25 0.79 [0.64 - 0.96]	224 / 261.07 0.86 [0.75 - 0.98]
Test for trend : Chi2= 3.78 p=0.052						
Oral cavity & pharynx (140-149)	1 / 0.39 2.57 [0.06 - 14.3]	1 / 0.29 3.46 [0.09 - 19.3]	2 / 0.35 5.79 [0.70 - 20.9]	2 / 0.37 5.43 [0.66 - 19.6]	0 / 1.28 0.00 [0.00 - 2.88]	6 / 2.67 2.25 [0.82 - 4.89]
Test for trend : Chi2= 1.98 p=0.159						
Oesophagus (150)	0 / 0.09 0.00 [0.00 - 42.7]	0 / 0.08 0.00 [0.00 - 43.4]	0 / 0.11 0.00 [0.00 - 32.3]	0 / 0.14 0.00 [0.00 - 26.0]	3 / 0.67 4.45 [0.92 - 13.0]	3 / 1.10 2.72 [0.56 - 7.96]
Test for trend : Chi2= 1.36 p=0.244						
Oesophagus (150)	0 / 0.06 0.00 [0.00 - 61.4]	0 / 0.05 0.00 [0.00 - 75.0]	0 / 0.06 0.00 [0.00 - 59.6]	0 / 0.07 0.00 [0.00 - 54.7]	0 / 0.25 0.00 [0.00 - 15.0]	0 / 0.48 0.00 [0.00 - 7.61]
Test for trend : Chi2= 0.60 p=0.439						
Oesophagus (150)	2 / 2.74 0.73 [0.09 - 2.64]	2 / 2.38 0.84 [0.10 - 3.04]	3 / 3.08 0.97 [0.20 - 2.84]	2 / 3.59 0.56 [0.07 - 2.01]	8 / 15.18 0.53 [0.23 - 1.04]	17 / 26.97 0.63 [0.37 - 1.01]
Test for trend : Chi2= 0.60 p=0.439						
Larynx (161)	0 / 0.11 0.00 [0.00 - 33.3]	0 / 0.09 0.00 [0.00 - 39.1]	0 / 0.12 0.00 [0.00 - 30.9]	0 / 0.14 0.00 [0.00 - 26.5]	2 / 0.46 4.31 [0.52 - 15.6]	2 / 0.93 2.16 [0.26 - 7.79]
Test for trend : Chi2= 1.37 p=0.242						
Lung (162)	3 / 1.67 1.80 [0.37 - 5.25]	1 / 1.62 0.62 [0.02 - 3.43]	1 / 2.18 0.46 [0.01 - 2.55]	5 / 2.70 1.85 [0.60 - 4.32]	16 / 9.74 1.64 [0.94 - 2.67]	26 / 17.91 1.45 [0.95 - 2.13]
Test for trend : Chi2= 0.52 p=0.471						
Cervix uteri (180)	9 / 6.15 1.46 [0.67 - 2.78]	2 / 3.79 0.53 [0.06 - 1.91]	3 / 3.60 0.83 [0.17 - 2.43]	1 / 3.05 0.33 [0.01 - 1.83]	8 / 5.80 1.38 [0.60 - 2.72]	23 / 22.39 1.03 [0.65 - 1.54]
Test for trend : Chi2= 0.04 p=0.838						
Ovary (183)	4 / 2.35 1.70 [0.46 - 4.36]	4 / 1.65 2.42 [0.66 - 6.19]	1 / 1.92 0.52 [0.01 - 2.90]	1 / 2.10 0.48 [0.01 - 2.66]	9 / 6.39 1.41 [0.64 - 2.67]	19 / 14.41 1.32 [0.79 - 2.06]
Test for trend : Chi2= 0.41 p=0.524						
Other female genital organs (184)	0 / 0.10 0.00 [0.00 - 35.5]	0 / 0.13 0.00 [0.00 - 27.8]	0 / 0.19 0.00 [0.00 - 19.1]	1 / 0.21 4.82 [0.12 - 26.9]	1 / 0.79 1.26 [0.03 - 7.04]	2 / 1.43 1.40 [0.17 - 5.06]
Test for trend : Chi2= 0.27 p=0.600						
Prostate (185)	0 / 0.00 . [. - .]	0 / 0.00 . [. - .]	0 / 0.00 . [. - .]	0 / 0.00 . [. - .]	0 / 0.00 . [. - .]	0 / 0.00 . [. - .]
Testis (186)	0 / 0.00 . [. - .]	0 / 0.00 . [. - .]	0 / 0.00 . [. - .]	0 / 0.00 . [. - .]	0 / 0.00 . [. - .]	0 / 0.00 . [. - .]
Bladder (188)	1 / 0.55 1.81 [0.05 - 10.1]	3 / 0.51 5.90 [1.22 - 17.2]	1 / 0.67 1.49 [0.04 - 8.30]	0 / 0.81 0.00 [0.00 - 4.58]	4 / 3.34 1.20 [0.33 - 3.06]	9 / 5.88 1.53 [0.70 - 2.91]
Test for trend : Chi2= 2.13 p=0.144						
Bladder (188)	2 / 1.85 1.08 [0.13 - 3.91]	0 / 1.21 0.00 [0.00 - 3.06]	2 / 1.27 1.57 [0.19 - 5.69]	1 / 1.27 0.79 [0.02 - 4.40]	0 / 2.78 0.00 [0.00 - 1.33]	5 / 8.37 0.60 [0.19 - 1.39]
Test for trend : Chi2= 1.41 p=0.236						
Non-Hodgkins lymphoma (200,202)	0 / 0.56 0.00 [0.00 - 6.60]	0 / 0.44 0.00 [0.00 - 8.33]	1 / 0.56 1.80 [0.04 - 10.0]	1 / 0.65 1.55 [0.04 - 8.63]	2 / 2.20 0.91 [0.11 - 3.28]	4 / 4.41 0.91 [0.25 - 2.32]
Test for trend : Chi2= 0.39 p=0.530						

Table 4.2.3
Incidence from selected cancer sites by years since first employment

Finland

years since first employment(years)	1-9	10-14	15-19	20-24	25+	Total
ALL MALIGNANT NEOPLASMS (140-208)	20 / 71.46 0.28 [0.17 - 0.43]	40 / 67.25 0.59 [0.42 - 0.81]	46 / 98.42 0.47 [0.34 - 0.62]	85 / 138.29 0.61 [0.49 - 0.76]	841 / 1091.52 0.77 [0.72 - 0.82]	1032 / 1466.94 0.70 [0.66 - 0.75]
Test for trend : Chi2= 31.82 p=0.000						
Oral cavity & pharynx (140-149)	1 / 3.30 0.30 [0.01 - 1.69]	0 / 2.78 0.00 [0.00 - 1.33]	0 / 3.72 0.00 [0.00 - 0.99]	1 / 4.53 0.22 [0.01 - 1.23]	24 / 26.65 0.90 [0.58 - 1.34]	26 / 40.98 0.63 [0.41 - 0.93]
Test for trend : Chi2= 5.97 p=0.015						
Oesophagus (150)	1 / 0.78 1.27 [0.03 - 7.10]	0 / 0.88 0.00 [0.00 - 4.20]	1 / 1.37 0.73 [0.02 - 4.08]	2 / 1.88 1.06 [0.13 - 3.84]	6 / 15.58 0.39 [0.14 - 0.84]	10 / 20.49 0.49 [0.23 - 0.90]
Test for trend : Chi2= 0.78 p=0.377						
Oesophagus (150)	0 / 0.24 0.00 [0.00 - 15.1]	0 / 0.23 0.00 [0.00 - 15.9]	0 / 0.33 0.00 [0.00 - 11.2]	1 / 0.48 2.10 [0.05 - 11.7]	7 / 3.21 2.18 [0.88 - 4.50]	8 / 4.49 1.78 [0.77 - 3.51]
Test for trend : Chi2= 1.49 p=0.222						
Oesophagus (150)	0 / 3.49 0.00 [0.00 - 1.06]	3 / 3.74 0.80 [0.17 - 2.34]	4 / 6.08 0.66 [0.18 - 1.69]	4 / 8.98 0.45 [0.12 - 1.14]	78 / 84.95 0.92 [0.73 - 1.15]	89 / 107.24 0.83 [0.67 - 1.02]
Test for trend : Chi2= 3.56 p=0.059						
Larynx (161)	0 / 1.62 0.00 [0.00 - 2.27]	1 / 1.49 0.67 [0.02 - 3.74]	2 / 2.03 0.99 [0.12 - 3.56]	1 / 2.68 0.37 [0.01 - 2.08]	12 / 13.71 0.88 [0.45 - 1.53]	16 / 21.53 0.74 [0.42 - 1.21]
Test for trend : Chi2= 1.00 p=0.316						
Lung (162)	2 / 10.58 0.19 [0.02 - 0.68]	12 / 11.89 1.01 [0.52 - 1.76]	11 / 18.87 0.58 [0.29 - 1.04]	17 / 27.55 0.62 [0.36 - 0.99]	175 / 206.94 0.85 [0.72 - 0.98]	217 / 275.84 0.79 [0.69 - 0.90]
Test for trend : Chi2= 3.68 p=0.055						
Cervix uteri (180)	2 / 2.77 0.72 [0.09 - 2.60]	0 / 1.93 0.00 [0.00 - 1.92]	3 / 2.20 1.36 [0.28 - 3.99]	2 / 2.20 0.91 [0.11 - 3.28]	7 / 6.70 1.04 [0.42 - 2.15]	14 / 15.80 0.89 [0.48 - 1.49]
Test for trend : Chi2= 0.69 p=0.407						
Ovary (183)	0 / 1.48 0.00 [0.00 - 2.49]	0 / 1.25 0.00 [0.00 - 2.94]	0 / 1.72 0.00 [0.00 - 2.15]	1 / 2.16 0.46 [0.01 - 2.58]	13 / 11.44 1.14 [0.61 - 1.94]	14 / 18.05 0.78 [0.42 - 1.30]
Test for trend : Chi2= 4.88 p=0.027						
Other female genital organs (184)	0 / 0.02 0.00 [0.00 - 0.189]	0 / 0.03 0.00 [0.00 - 0.139]	1 / 0.08 13.30 [0.33 - 74.0]	0 / 0.14 0.00 [0.00 - 26.8]	5 / 1.82 2.75 [0.89 - 6.42]	6 / 2.08 2.89 [1.06 - 6.29]
Test for trend : Chi2= 0.20 p=0.657						
Prostate (185)	1 / 0.98 1.02 [0.03 - 5.67]	1 / 1.63 0.61 [0.02 - 3.41]	1 / 3.42 0.29 [0.01 - 1.63]	5 / 6.40 0.78 [0.25 - 1.82]	98 / 112.55 0.87 [0.71 - 1.06]	106 / 124.98 0.85 [0.69 - 1.03]
Test for trend : Chi2= 0.56 p=0.454						
Testis (186)	1 / 1.34 0.75 [0.02 - 4.17]	3 / 0.97 3.08 [0.64 - 9.00]	1 / 0.86 1.16 [0.03 - 6.44]	1 / 0.66 1.52 [0.04 - 8.45]	2 / 1.42 1.41 [0.17 - 5.09]	8 / 5.25 1.52 [0.66 - 3.00]
Test for trend : Chi2= 0.00 p=0.958						
Bladder (188)	0 / 1.06 0.00 [0.00 - 3.49]	1 / 1.37 0.73 [0.02 - 4.05]	1 / 2.48 0.40 [0.01 - 2.25]	3 / 3.91 0.77 [0.16 - 2.24]	47 / 42.75 1.10 [0.81 - 1.46]	52 / 51.58 1.01 [0.75 - 1.32]
Test for trend : Chi2= 2.33 p=0.127						
Bladder (188)	3 / 1.92 1.56 [0.32 - 4.55]	1 / 1.85 0.54 [0.01 - 3.01]	1 / 2.71 0.37 [0.01 - 2.06]	7 / 3.43 2.04 [0.82 - 4.21]	23 / 17.70 1.30 [0.82 - 1.95]	35 / 27.62 1.27 [0.88 - 1.76]
Test for trend : Chi2= 0.29 p=0.592						
Non-Hodgkins lymphoma (200,202)	2 / 1.58 1.27 [0.15 - 4.59]	2 / 1.48 1.35 [0.16 - 4.88]	3 / 2.33 1.29 [0.27 - 3.76]	1 / 3.29 0.30 [0.01 - 1.69]	10 / 25.98 0.38 [0.18 - 0.71]	18 / 34.67 0.52 [0.31 - 0.82]
Test for trend : Chi2= 5.98 p=0.014						

Table 4.2.3
Incidence from selected cancer sites by years since first employment

Finland

Men

years since first employment(years)	1-9	10-14	15-19	20-24	25+	Total
ALL MALIGNANT NEOPLASMS (140-208)	12 / 49.46 0.24 [0.13 - 0.42]	31 / 47.89 0.65 [0.44 - 0.92]	31 / 70.48 0.44 [0.30 - 0.62]	58 / 100.66 0.58 [0.44 - 0.74]	620 / 826.47 0.75 [0.69 - 0.81]	752 / 1094.95 0.69 [0.64 - 0.74]
Test for trend : Chi2= 21.89 p=0.000						
Oral cavity & pharynx (140-149)	1 / 2.79 0.36 [0.01 - 2.00]	0 / 2.41 0.00 [0.00 - 1.53]	0 / 3.25 0.00 [0.00 - 1.13]	1 / 3.99 0.25 [0.01 - 1.40]	20 / 23.11 0.87 [0.53 - 1.34]	22 / 35.55 0.62 [0.39 - 0.94]
Test for trend : Chi2= 4.48 p=0.034						
Oesophagus (150)	0 / 0.61 0.00 [0.00 - 6.02]	0 / 0.69 0.00 [0.00 - 5.31]	0 / 1.07 0.00 [0.00 - 3.44]	1 / 1.47 0.68 [0.02 - 3.80]	4 / 11.89 0.34 [0.09 - 0.86]	5 / 15.74 0.32 [0.10 - 0.74]
Test for trend : Chi2= 0.45 p=0.502						
Oesophagus (150)	0 / 0.19 0.00 [0.00 - 19.1]	0 / 0.18 0.00 [0.00 - 20.4]	0 / 0.25 0.00 [0.00 - 14.7]	1 / 0.37 2.71 [0.07 - 15.1]	5 / 2.43 2.05 [0.67 - 4.80]	6 / 3.43 1.75 [0.64 - 3.81]
Test for trend : Chi2= 0.97 p=0.324						
Oesophagus (150)	0 / 2.48 0.00 [0.00 - 1.49]	2 / 2.68 0.75 [0.09 - 2.69]	4 / 4.31 0.93 [0.25 - 2.38]	3 / 6.37 0.47 [0.10 - 1.38]	57 / 60.54 0.94 [0.71 - 1.22]	66 / 76.39 0.86 [0.67 - 1.10]
Test for trend : Chi2= 2.08 p=0.149						
Larynx (161)	0 / 1.57 0.00 [0.00 - 2.35]	1 / 1.45 0.69 [0.02 - 3.85]	2 / 1.97 1.02 [0.12 - 3.67]	1 / 2.61 0.38 [0.01 - 2.13]	12 / 13.33 0.90 [0.47 - 1.57]	16 / 20.93 0.76 [0.44 - 1.24]
Test for trend : Chi2= 0.99 p=0.319						
Lung (162)	2 / 10.18 0.20 [0.02 - 0.71]	12 / 11.44 1.05 [0.54 - 1.83]	11 / 18.10 0.61 [0.30 - 1.09]	17 / 26.40 0.64 [0.38 - 1.03]	166 / 197.28 0.84 [0.72 - 0.98]	208 / 263.39 0.79 [0.69 - 0.90]
Test for trend : Chi2= 2.85 p=0.091						
Cervix uteri (180)	0 / 0.00 . [. - .]	0 / 0.00 . [. - .]	0 / 0.00 . [. - .]	0 / 0.00 . [. - .]	0 / 0.00 . [. - .]	0 / 0.00 . [. - .]
Ovary (183)	0 / 0.00 . [. - .]	0 / 0.00 . [. - .]	0 / 0.00 . [. - .]	0 / 0.00 . [. - .]	0 / 0.00 . [. - .]	0 / 0.00 . [. - .]
Other female genital organs (184)	0 / 0.00 . [. - .]	0 / 0.00 . [. - .]	0 / 0.00 . [. - .]	0 / 0.00 . [. - .]	0 / 0.00 . [. - .]	0 / 0.00 . [. - .]
Prostate (185)	1 / 0.98 1.02 [0.03 - 5.67]	1 / 1.63 0.61 [0.02 - 3.41]	1 / 3.42 0.29 [0.01 - 1.63]	5 / 6.40 0.78 [0.25 - 1.82]	98 / 112.55 0.87 [0.71 - 1.06]	106 / 124.98 0.85 [0.69 - 1.03]
Test for trend : Chi2= 0.56 p=0.454						
Testis (186)	1 / 1.34 0.75 [0.02 - 4.17]	3 / 0.97 3.08 [0.64 - 9.00]	1 / 0.86 1.16 [0.03 - 6.44]	1 / 0.66 1.52 [0.04 - 8.45]	2 / 1.42 1.41 [0.17 - 5.09]	8 / 5.25 1.52 [0.66 - 3.00]
Test for trend : Chi2= 0.00 p=0.958						
Bladder (188)	0 / 0.95 0.00 [0.00 - 3.87]	1 / 1.25 0.80 [0.02 - 4.47]	1 / 2.24 0.45 [0.01 - 2.48]	3 / 3.56 0.84 [0.17 - 2.47]	40 / 38.75 1.03 [0.74 - 1.41]	45 / 46.75 0.96 [0.70 - 1.29]
Test for trend : Chi2= 1.51 p=0.219						
Bladder (188)	2 / 1.31 1.52 [0.18 - 5.50]	1 / 1.35 0.74 [0.02 - 4.12]	0 / 2.01 0.00 [0.00 - 1.83]	5 / 2.57 1.94 [0.63 - 4.54]	17 / 13.25 1.28 [0.75 - 2.05]	25 / 20.50 1.22 [0.79 - 1.80]
Test for trend : Chi2= 0.30 p=0.583						
Non-Hodgkins lymphoma (200,202)	1 / 1.29 0.78 [0.02 - 4.33]	2 / 1.21 1.66 [0.20 - 5.98]	3 / 1.85 1.62 [0.33 - 4.73]	1 / 2.57 0.39 [0.01 - 2.17]	8 / 19.28 0.41 [0.18 - 0.82]	15 / 26.20 0.57 [0.32 - 0.94]
Test for trend : Chi2= 3.75 p=0.053						

Table 4.2.3
Incidence from selected cancer sites by years since first employment

Finland
Women

years since first employment(years)	1-9	10-14	15-19	20-24	25+	Total
ALL MALIGNANT NEOPLASMS (140-208) Test for trend : Chi2= 10.55 p=0.001	8 / 22.00 0.36 [0.16 - 0.72]	9 / 19.35 0.46 [0.21 - 0.88]	15 / 27.94 0.54 [0.30 - 0.89]	27 / 37.63 0.72 [0.47 - 1.04]	221 / 265.05 0.83 [0.73 - 0.95]	280 / 371.99 0.75 [0.67 - 0.85]
Oral cavity & pharynx (140-149) Test for trend : Chi2= 1.58 p=0.209	0 / 0.51 0.00 [0.00 - 7.21]	0 / 0.37 0.00 [0.00 - 10.0]	0 / 0.47 0.00 [0.00 - 7.92]	0 / 0.54 0.00 [0.00 - 6.87]	4 / 3.55 1.13 [0.31 - 2.89]	4 / 5.43 0.74 [0.20 - 1.89]
Oesophagus (150) Test for trend : Chi2= 4.16 p=0.041	1 / 0.17 5.83 [0.15 - 32.5]	0 / 0.18 0.00 [0.00 - 20.0]	1 / 0.29 3.42 [0.09 - 19.0]	1 / 0.41 2.41 [0.06 - 13.4]	2 / 3.69 0.54 [0.07 - 1.96]	5 / 4.75 1.05 [0.34 - 2.45]
Oesophagus (150) Test for trend : Chi2= 0.54 p=0.461	0 / 0.05 0.00 [0.00 - 73.0]	0 / 0.05 0.00 [0.00 - 72.2]	0 / 0.08 0.00 [0.00 - 47.6]	0 / 0.11 0.00 [0.00 - 34.3]	2 / 0.78 2.58 [0.31 - 9.32]	2 / 1.06 1.88 [0.23 - 6.80]
Oesophagus (150) Test for trend : Chi2= 1.61 p=0.205	0 / 1.01 0.00 [0.00 - 3.66]	1 / 1.06 0.95 [0.02 - 5.28]	0 / 1.77 0.00 [0.00 - 2.09]	1 / 2.61 0.38 [0.01 - 2.14]	21 / 24.41 0.86 [0.53 - 1.31]	23 / 30.85 0.75 [0.47 - 1.12]
Larynx (161) Test for trend : Chi2= 1.91 p=0.167	0 / 0.06 0.00 [0.00 - 66.2]	0 / 0.04 0.00 [0.00 - 82.6]	0 / 0.06 0.00 [0.00 - 62.7]	0 / 0.07 0.00 [0.00 - 53.0]	0 / 0.38 0.00 [0.00 - 9.79]	0 / 0.61 0.00 [0.00 - 6.09]
Lung (162) Test for trend : Chi2= 1.91 p=0.167	0 / 0.40 0.00 [0.00 - 9.12]	0 / 0.45 0.00 [0.00 - 8.13]	0 / 0.78 0.00 [0.00 - 4.75]	0 / 1.15 0.00 [0.00 - 3.20]	9 / 9.66 0.93 [0.43 - 1.77]	9 / 12.45 0.72 [0.33 - 1.37]
Cervix uteri (180) Test for trend : Chi2= 0.69 p=0.407	2 / 2.77 0.72 [0.09 - 2.60]	0 / 1.93 0.00 [0.00 - 1.92]	3 / 2.20 1.36 [0.28 - 3.99]	2 / 2.20 0.91 [0.11 - 3.28]	7 / 6.70 1.04 [0.42 - 2.15]	14 / 15.80 0.89 [0.48 - 1.49]
Ovary (183) Test for trend : Chi2= 4.88 p=0.027	0 / 1.48 0.00 [0.00 - 2.49]	0 / 1.25 0.00 [0.00 - 2.94]	0 / 1.72 0.00 [0.00 - 2.15]	1 / 2.16 0.46 [0.01 - 2.58]	13 / 11.44 1.14 [0.61 - 1.94]	14 / 18.05 0.78 [0.42 - 1.30]
Other female genital organs (184) Test for trend : Chi2= 0.20 p=0.657	0 / 0.02 0.00 [0.00 - 0.189]	0 / 0.03 0.00 [0.00 - 0.139]	1 / 0.08 13.30 [0.33 - 74.0]	0 / 0.14 0.00 [0.00 - 26.8]	5 / 1.82 2.75 [0.89 - 6.42]	6 / 2.08 2.89 [1.06 - 6.29]
Prostate (185)	0 / 0.00 . [. - .]	0 / 0.00 . [. - .]	0 / 0.00 . [. - .]	0 / 0.00 . [. - .]	0 / 0.00 . [. - .]	0 / 0.00 . [. - .]
Testis (186)	0 / 0.00 . [. - .]	0 / 0.00 . [. - .]	0 / 0.00 . [. - .]	0 / 0.00 . [. - .]	0 / 0.00 . [. - .]	0 / 0.00 . [. - .]
Bladder (188) Test for trend : Chi2= 1.07 p=0.301	0 / 0.10 0.00 [0.00 - 36.0]	0 / 0.13 0.00 [0.00 - 28.8]	0 / 0.23 0.00 [0.00 - 15.9]	0 / 0.36 0.00 [0.00 - 10.3]	7 / 4.00 1.75 [0.70 - 3.61]	7 / 4.82 1.45 [0.58 - 2.99]
Bladder (188) Test for trend : Chi2= 0.03 p=0.867	1 / 0.61 1.63 [0.04 - 9.10]	0 / 0.50 0.00 [0.00 - 7.37]	1 / 0.69 1.44 [0.04 - 8.05]	2 / 0.86 2.34 [0.28 - 8.44]	6 / 4.45 1.35 [0.49 - 2.93]	10 / 7.11 1.41 [0.67 - 2.58]
Non-Hodgkins lymphoma (200,202) Test for trend : Chi2= 2.53 p=0.112	1 / 0.29 3.45 [0.09 - 19.2]	0 / 0.27 0.00 [0.00 - 13.5]	0 / 0.48 0.00 [0.00 - 7.72]	0 / 0.72 0.00 [0.00 - 5.09]	2 / 6.70 0.30 [0.04 - 1.08]	3 / 8.47 0.35 [0.07 - 1.04]

Table 4.2.4
Incidence from selected cancer sites by years since first employment

New Zealand

years since first employment(years)	1-9	10-14	15-19	20-24	25+	Total
ALL MALIGNANT NEOPLASMS (140-208)	36 / 46.01 0.78 [0.55 - 1.08]	27 / 33.91 0.80 [0.52 - 1.16]	32 / 32.30 0.99 [0.68 - 1.40]	27 / 30.71 0.88 [0.58 - 1.28]	53 / 60.48 0.88 [0.66 - 1.15]	175 / 203.41 0.86 [0.74 - 1.00]
Test for trend : Chi2= 0.34 p=0.562						
Oral cavity & pharynx (140-149)	1 / 1.93 0.52 [0.01 - 2.89]	2 / 1.42 1.41 [0.17 - 5.09]	1 / 1.33 0.75 [0.02 - 4.18]	0 / 1.25 0.00 [0.00 - 2.95]	0 / 2.11 0.00 [0.00 - 1.75]	4 / 8.04 0.50 [0.14 - 1.27]
Test for trend : Chi2= 1.79 p=0.180						
Oesophagus (150)	1 / 0.47 2.14 [0.05 - 11.9]	0 / 0.47 0.00 [0.00 - 7.88]	2 / 0.55 3.64 [0.44 - 13.2]	0 / 0.59 0.00 [0.00 - 6.25]	1 / 1.28 0.78 [0.02 - 4.34]	4 / 3.36 1.19 [0.32 - 3.05]
Test for trend : Chi2= 0.51 p=0.473						
Oesophagus (150)	0 / 0.13 0.00 [0.00 - 27.7]	0 / 0.10 0.00 [0.00 - 35.7]	0 / 0.10 0.00 [0.00 - 36.3]	0 / 0.09 0.00 [0.00 - 40.4]	0 / 0.17 0.00 [0.00 - 22.1]	0 / 0.60 0.00 [0.00 - 6.18]
Oesophagus (150)	4 / 6.24 0.64 [0.17 - 1.64]	4 / 5.56 0.72 [0.20 - 1.84]	3 / 6.01 0.50 [0.10 - 1.46]	4 / 6.10 0.66 [0.18 - 1.68]	9 / 12.17 0.74 [0.34 - 1.40]	24 / 36.07 0.67 [0.43 - 0.99]
Test for trend : Chi2= 0.06 p=0.811						
Larynx (161)	0 / 0.44 0.00 [0.00 - 8.48]	0 / 0.43 0.00 [0.00 - 8.59]	0 / 0.50 0.00 [0.00 - 7.37]	0 / 0.53 0.00 [0.00 - 6.95]	1 / 1.10 0.91 [0.02 - 5.06]	1 / 3.00 0.33 [0.01 - 1.86]
Test for trend : Chi2= 1.08 p=0.298						
Lung (162)	6 / 3.93 1.53 [0.56 - 3.32]	7 / 4.05 1.73 [0.69 - 3.56]	6 / 4.94 1.21 [0.45 - 2.64]	9 / 5.39 1.67 [0.76 - 3.17]	13 / 11.96 1.09 [0.58 - 1.86]	41 / 30.28 1.35 [0.97 - 1.84]
Test for trend : Chi2= 0.67 p=0.414						
Cervix uteri (180)	1 / 0.78 1.29 [0.03 - 7.18]	1 / 0.34 2.95 [0.07 - 16.4]	1 / 0.16 6.08 [0.15 - 33.9]	0 / 0.08 0.00 [0.00 - 46.2]	0 / 0.05 0.00 [0.00 - 81.9]	3 / 1.40 2.14 [0.44 - 6.24]
Test for trend : Chi2= 0.13 p=0.714						
Ovary (183)	0 / 0.39 0.00 [0.00 - 9.34]	0 / 0.21 0.00 [0.00 - 17.6]	1 / 0.13 7.65 [0.19 - 42.6]	0 / 0.08 0.00 [0.00 - 45.5]	0 / 0.06 0.00 [0.00 - 65.1]	1 / 0.87 1.15 [0.03 - 6.38]
Test for trend : Chi2= 0.55 p=0.459						
Other female genital organs (184)	0 / 0.06 0.00 [0.00 - 60.7]	0 / 0.03 0.00 [0.00 - 0106]	0 / 0.02 0.00 [0.00 - 0180]	0 / 0.01 0.00 [0.00 - 0283]	0 / 0.01 0.00 [0.00 - 0323]	0 / 0.14 0.00 [0.00 - 26.2]
Prostate (185)	1 / 0.91 1.10 [0.03 - 6.15]	1 / 1.21 0.82 [0.02 - 4.59]	1 / 1.79 0.56 [0.01 - 3.12]	3 / 2.15 1.40 [0.29 - 4.08]	6 / 6.04 0.99 [0.36 - 2.16]	12 / 12.09 0.99 [0.51 - 1.73]
Test for trend : Chi2= 0.04 p=0.845						
Testis (186)	4 / 4.08 0.98 [0.27 - 2.51]	1 / 1.88 0.53 [0.01 - 2.96]	0 / 0.95 0.00 [0.00 - 3.87]	0 / 0.46 0.00 [0.00 - 8.03]	0 / 0.32 0.00 [0.00 - 11.4]	5 / 7.70 0.65 [0.21 - 1.52]
Test for trend : Chi2= 1.64 p=0.200						
Bladder (188)	2 / 1.08 1.85 [0.22 - 6.68]	0 / 1.02 0.00 [0.00 - 3.62]	1 / 1.19 0.84 [0.02 - 4.67]	2 / 1.27 1.57 [0.19 - 5.68]	4 / 2.84 1.41 [0.38 - 3.60]	9 / 7.41 1.21 [0.56 - 2.31]
Test for trend : Chi2= 0.10 p=0.749						
Bladder (188)	3 / 8.01 0.37 [0.08 - 1.09]	1 / 5.06 0.20 [0.00 - 1.10]	1 / 3.76 0.27 [0.01 - 1.48]	2 / 2.91 0.69 [0.08 - 2.49]	1 / 4.32 0.23 [0.01 - 1.29]	8 / 24.05 0.33 [0.14 - 0.66]
Test for trend : Chi2= 0.00 p=0.968						
Non-Hodgkins lymphoma (200,202)	2 / 1.86 1.07 [0.13 - 3.88]	0 / 1.35 0.00 [0.00 - 2.73]	1 / 1.20 0.83 [0.02 - 4.64]	1 / 1.06 0.94 [0.02 - 5.24]	0 / 1.90 0.00 [0.00 - 1.94]	4 / 7.38 0.54 [0.15 - 1.39]
Test for trend : Chi2= 0.88 p=0.348						

Table 4.2.4
Incidence from selected cancer sites by years since first employment

New Zealand
Men

years since first employment(years)	1-9	10-14	15-19	20-24	25+	Total
ALL MALIGNANT NEOPLASMS (140-208)	30 / 37.39 0.80 [0.54 - 1.15]	21 / 29.13 0.72 [0.45 - 1.10]	26 / 29.37 0.89 [0.58 - 1.30]	25 / 28.88 0.87 [0.56 - 1.28]	53 / 59.12 0.90 [0.67 - 1.17]	155 / 183.89 0.84 [0.72 - 0.99]
Test for trend : Chi2= 0.51 p=0.477						
Oral cavity & pharynx (140-149)	1 / 1.82 0.55 [0.01 - 3.06]	2 / 1.36 1.47 [0.18 - 5.30]	1 / 1.30 0.77 [0.02 - 4.30]	0 / 1.23 0.00 [0.00 - 3.01]	0 / 2.10 0.00 [0.00 - 1.76]	4 / 7.80 0.51 [0.14 - 1.31]
Test for trend : Chi2= 1.90 p=0.168						
Oesophagus (150)	1 / 0.44 2.26 [0.06 - 12.6]	0 / 0.45 0.00 [0.00 - 8.25]	2 / 0.53 3.75 [0.45 - 13.6]	0 / 0.58 0.00 [0.00 - 6.39]	1 / 1.27 0.79 [0.02 - 4.38]	4 / 3.27 1.22 [0.33 - 3.13]
Test for trend : Chi2= 0.57 p=0.451						
Oesophagus (150)	0 / 0.12 0.00 [0.00 - 31.3]	0 / 0.09 0.00 [0.00 - 38.9]	0 / 0.10 0.00 [0.00 - 38.3]	0 / 0.09 0.00 [0.00 - 41.9]	0 / 0.16 0.00 [0.00 - 22.5]	0 / 0.56 0.00 [0.00 - 6.57]
Oesophagus (150)	4 / 5.40 0.74 [0.20 - 1.90]	4 / 4.98 0.80 [0.22 - 2.06]	3 / 5.59 0.54 [0.11 - 1.57]	4 / 5.80 0.69 [0.19 - 1.76]	9 / 11.94 0.75 [0.34 - 1.43]	24 / 33.71 0.71 [0.46 - 1.06]
Test for trend : Chi2= 0.00 p=0.988						
Larynx (161)	0 / 0.42 0.00 [0.00 - 8.69]	0 / 0.42 0.00 [0.00 - 8.77]	0 / 0.49 0.00 [0.00 - 7.46]	0 / 0.53 0.00 [0.00 - 7.01]	1 / 1.10 0.91 [0.02 - 5.08]	1 / 2.96 0.34 [0.01 - 1.88]
Test for trend : Chi2= 1.07 p=0.301						
Lung (162)	6 / 3.66 1.64 [0.60 - 3.57]	7 / 3.83 1.83 [0.73 - 3.77]	6 / 4.78 1.26 [0.46 - 2.73]	8 / 5.27 1.52 [0.66 - 2.99]	13 / 11.85 1.10 [0.58 - 1.88]	40 / 29.38 1.36 [0.97 - 1.85]
Test for trend : Chi2= 1.05 p=0.307						
Cervix uteri (180)	0 / 0.00 . [. - .]	0 / 0.00 . [. - .]	0 / 0.00 . [. - .]	0 / 0.00 . [. - .]	0 / 0.00 . [. - .]	0 / 0.00 . [. - .]
Ovary (183)	0 / 0.00 . [. - .]	0 / 0.00 . [. - .]	0 / 0.00 . [. - .]	0 / 0.00 . [. - .]	0 / 0.00 . [. - .]	0 / 0.00 . [. - .]
Other female genital organs (184)	0 / 0.00 . [. - .]	0 / 0.00 . [. - .]	0 / 0.00 . [. - .]	0 / 0.00 . [. - .]	0 / 0.00 . [. - .]	0 / 0.00 . [. - .]
Prostate (185)	1 / 0.91 1.10 [0.03 - 6.15]	1 / 1.21 0.82 [0.02 - 4.59]	1 / 1.79 0.56 [0.01 - 3.12]	3 / 2.15 1.40 [0.29 - 4.08]	6 / 6.04 0.99 [0.36 - 2.16]	12 / 12.09 0.99 [0.51 - 1.73]
Test for trend : Chi2= 0.04 p=0.845						
Testis (186)	4 / 4.08 0.98 [0.27 - 2.51]	1 / 1.88 0.53 [0.01 - 2.96]	0 / 0.95 0.00 [0.00 - 3.87]	0 / 0.46 0.00 [0.00 - 8.03]	0 / 0.32 0.00 [0.00 - 11.4]	5 / 7.70 0.65 [0.21 - 1.52]
Test for trend : Chi2= 1.64 p=0.200						
Bladder (188)	1 / 1.03 0.97 [0.02 - 5.42]	0 / 0.98 0.00 [0.00 - 3.77]	1 / 1.16 0.86 [0.02 - 4.79]	2 / 1.25 1.60 [0.19 - 5.79]	4 / 2.82 1.42 [0.39 - 3.63]	8 / 7.24 1.11 [0.48 - 2.18]
Test for trend : Chi2= 0.81 p=0.367						
Bladder (188)	2 / 6.43 0.31 [0.04 - 1.12]	1 / 4.38 0.23 [0.01 - 1.27]	1 / 3.42 0.29 [0.01 - 1.63]	2 / 2.73 0.73 [0.09 - 2.65]	1 / 4.20 0.24 [0.01 - 1.33]	7 / 21.17 0.33 [0.13 - 0.68]
Test for trend : Chi2= 0.07 p=0.797						
Non-Hodgkins lymphoma (200,202)	2 / 1.68 1.19 [0.14 - 4.29]	0 / 1.25 0.00 [0.00 - 2.95]	1 / 1.14 0.88 [0.02 - 4.90]	1 / 1.02 0.98 [0.02 - 5.46]	0 / 1.87 0.00 [0.00 - 1.98]	4 / 6.96 0.57 [0.16 - 1.47]
Test for trend : Chi2= 1.00 p=0.317						

Table 4.2.4
Incidence from selected cancer sites by years since first employment

New Zealand
Women

years since first employment(years)	1-9	10-14	15-19	20-24	25+	Total
ALL MALIGNANT NEOPLASMS (140-208) Test for trend : Chi2= 0.11 p=0.737	6 / 8.62 0.70 [0.26 - 1.52]	6 / 4.78 1.26 [0.46 - 2.73]	6 / 2.93 2.05 [0.75 - 4.46]	2 / 1.83 1.09 [0.13 - 3.95]	0 / 1.36 0.00 [0.00 - 2.71]	20 / 19.52 1.02 [0.63 - 1.58]
Oral cavity & pharynx (140-149)	0 / 0.11 0.00 [0.00 - 33.7]	0 / 0.06 0.00 [0.00 - 66.0]	0 / 0.04 0.00 [0.00 - 0103]	0 / 0.02 0.00 [0.00 - 0156]	0 / 0.02 0.00 [0.00 - 0216]	0 / 0.24 0.00 [0.00 - 15.3]
Oesophagus (150)	0 / 0.02 0.00 [0.00 - 0150]	0 / 0.02 0.00 [0.00 - 0176]	0 / 0.02 0.00 [0.00 - 0224]	0 / 0.01 0.00 [0.00 - 0287]	0 / 0.01 0.00 [0.00 - 0303]	0 / 0.09 0.00 [0.00 - 42.4]
Oesophagus (150)	0 / 0.02 0.00 [0.00 - 0246]	0 / 0.01 0.00 [0.00 - 0432]	0 / 0.01 0.00 [0.00 - 0673]	0 / 0.00 0.00 [0.00 - 1081]	0 / 0.00 0.00 [0.00 - 1263]	0 / 0.04 0.00 [0.00 - 0104]
Oesophagus (150)	0 / 0.84 0.00 [0.00 - 4.37]	0 / 0.58 0.00 [0.00 - 6.40]	0 / 0.42 0.00 [0.00 - 8.84]	0 / 0.29 0.00 [0.00 - 12.7]	0 / 0.23 0.00 [0.00 - 15.9]	0 / 2.36 0.00 [0.00 - 1.56]
Larynx (161)	0 / 0.01 0.00 [0.00 - 0355]	0 / 0.01 0.00 [0.00 - 0432]	0 / 0.01 0.00 [0.00 - 0614]	0 / 0.00 0.00 [0.00 - 0849]	0 / 0.00 0.00 [0.00 - 0974]	0 / 0.03 0.00 [0.00 - 0112]
Lung (162) Test for trend : Chi2= 1.16 p=0.282	0 / 0.28 0.00 [0.00 - 13.4]	0 / 0.22 0.00 [0.00 - 16.5]	0 / 0.17 0.00 [0.00 - 21.8]	1 / 0.12 8.01 [0.20 - 44.7]	0 / 0.11 0.00 [0.00 - 33.2]	1 / 0.90 1.11 [0.03 - 6.16]
Cervix uteri (180) Test for trend : Chi2= 0.13 p=0.714	1 / 0.78 1.29 [0.03 - 7.18]	1 / 0.34 2.95 [0.07 - 16.4]	1 / 0.16 6.08 [0.15 - 33.9]	0 / 0.08 0.00 [0.00 - 46.2]	0 / 0.05 0.00 [0.00 - 81.9]	3 / 1.40 2.14 [0.44 - 6.24]
Ovary (183) Test for trend : Chi2= 0.55 p=0.459	0 / 0.39 0.00 [0.00 - 9.34]	0 / 0.21 0.00 [0.00 - 17.6]	1 / 0.13 7.65 [0.19 - 42.6]	0 / 0.08 0.00 [0.00 - 45.5]	0 / 0.06 0.00 [0.00 - 65.1]	1 / 0.87 1.15 [0.03 - 6.38]
Other female genital organs (184)	0 / 0.06 0.00 [0.00 - 60.7]	0 / 0.03 0.00 [0.00 - 0106]	0 / 0.02 0.00 [0.00 - 0180]	0 / 0.01 0.00 [0.00 - 0283]	0 / 0.01 0.00 [0.00 - 0323]	0 / 0.14 0.00 [0.00 - 26.2]
Prostate (185)	0 / 0.00 [. - .]	0 / 0.00 [. - .]	0 / 0.00 [. - .]	0 / 0.00 [. - .]	0 / 0.00 [. - .]	0 / 0.00 [. - .]
Testis (186)	0 / 0.00 [. - .]	0 / 0.00 [. - .]	0 / 0.00 [. - .]	0 / 0.00 [. - .]	0 / 0.00 [. - .]	0 / 0.00 [. - .]
Bladder (188) Test for trend : Chi2= 1.23 p=0.267	1 / 0.05 19.10 [0.48 - 0106]	0 / 0.04 0.00 [0.00 - 90.1]	0 / 0.03 0.00 [0.00 - 0117]	0 / 0.02 0.00 [0.00 - 0159]	0 / 0.02 0.00 [0.00 - 0173]	1 / 0.17 5.91 [0.15 - 32.9]
Bladder (188) Test for trend : Chi2= 0.54 p=0.464	1 / 1.58 0.63 [0.02 - 3.54]	0 / 0.67 0.00 [0.00 - 5.47]	0 / 0.34 0.00 [0.00 - 11.0]	0 / 0.18 0.00 [0.00 - 20.5]	0 / 0.12 0.00 [0.00 - 31.5]	1 / 2.88 0.35 [0.01 - 1.93]
Non-Hodgkins lymphoma (200,202)	0 / 0.18 0.00 [0.00 - 20.8]	0 / 0.10 0.00 [0.00 - 35.9]	0 / 0.06 0.00 [0.00 - 57.1]	0 / 0.04 0.00 [0.00 - 87.4]	0 / 0.04 0.00 [0.00 - 0104]	0 / 0.42 0.00 [0.00 - 8.74]

Table 4.2.5
Incidence from selected cancer sites by years since first employment

Norway

years since first employment(years)	1-9	10-14	15-19	20-24	25+	Total
ALL MALIGNANT NEOPLASMS (140-208)	218 / 239.28 0.91 [0.79 - 1.04]	229 / 214.76 1.07 [0.93 - 1.21]	269 / 276.62 0.97 [0.86 - 1.10]	305 / 316.38 0.96 [0.86 - 1.08]	1936 / 1852.20 1.05 [1.00 - 1.09]	2957 / 2899.25 1.02 [0.98 - 1.06]
Test for trend : Chi2= 2.70 p=0.100						
Oral cavity & pharynx (140-149)	11 / 7.95 1.38 [0.69 - 2.48]	11 / 7.14 1.54 [0.77 - 2.76]	12 / 8.94 1.34 [0.69 - 2.34]	10 / 10.33 0.97 [0.46 - 1.78]	50 / 52.14 0.96 [0.71 - 1.26]	94 / 86.50 1.09 [0.88 - 1.33]
Test for trend : Chi2= 2.90 p=0.089						
Oesophagus (150)	3 / 2.12 1.41 [0.29 - 4.13]	2 / 2.22 0.90 [0.11 - 3.26]	3 / 2.93 1.02 [0.21 - 2.99]	3 / 3.49 0.86 [0.18 - 2.51]	20 / 21.82 0.92 [0.56 - 1.42]	31 / 32.58 0.95 [0.65 - 1.35]
Test for trend : Chi2= 0.28 p=0.596						
Oesophagus (150)	1 / 0.71 1.41 [0.04 - 7.87]	0 / 0.67 0.00 [0.00 - 5.50]	0 / 0.91 0.00 [0.00 - 4.06]	1 / 1.05 0.95 [0.02 - 5.32]	7 / 5.52 1.27 [0.51 - 2.61]	9 / 8.85 1.02 [0.46 - 1.93]
Test for trend : Chi2= 0.52 p=0.473						
Oesophagus (150)	20 / 23.14 0.86 [0.53 - 1.34]	35 / 24.32 1.44 [1.00 - 2.00]	30 / 33.91 0.88 [0.60 - 1.26]	40 / 40.70 0.98 [0.70 - 1.34]	291 / 262.71 1.11 [0.98 - 1.24]	416 / 384.77 1.08 [0.98 - 1.19]
Test for trend : Chi2= 0.21 p=0.650						
Larynx (161)	3 / 2.68 1.12 [0.23 - 3.27]	4 / 2.59 1.55 [0.42 - 3.96]	2 / 3.39 0.59 [0.07 - 2.13]	1 / 3.97 0.25 [0.01 - 1.40]	30 / 22.02 1.36 [0.92 - 1.95]	40 / 34.64 1.15 [0.82 - 1.57]
Test for trend : Chi2= 0.33 p=0.566						
Lung (162)	21 / 23.28 0.90 [0.56 - 1.38]	30 / 23.85 1.26 [0.85 - 1.80]	42 / 32.52 1.29 [0.93 - 1.75]	44 / 38.88 1.13 [0.82 - 1.52]	309 / 234.81 1.32 [1.17 - 1.47]	446 / 353.34 1.26 [1.15 - 1.39]
Test for trend : Chi2= 1.97 p=0.161						
Cervix uteri (180)	6 / 6.18 0.97 [0.36 - 2.11]	4 / 4.27 0.94 [0.26 - 2.40]	8 / 4.65 1.72 [0.74 - 3.39]	3 / 4.08 0.74 [0.15 - 2.15]	8 / 8.81 0.91 [0.39 - 1.79]	29 / 28.00 1.04 [0.69 - 1.49]
Test for trend : Chi2= 0.07 p=0.788						
Ovary (183)	3 / 3.62 0.83 [0.17 - 2.42]	5 / 2.70 1.85 [0.60 - 4.33]	4 / 3.09 1.30 [0.35 - 3.32]	6 / 3.19 1.88 [0.69 - 4.10]	19 / 11.62 1.63 [0.98 - 2.55]	37 / 24.21 1.53 [1.08 - 2.11]
Test for trend : Chi2= 0.71 p=0.398						
Other female genital organs (184)	0 / 0.13 0.00 [0.00 - 27.7]	0 / 0.14 0.00 [0.00 - 26.2]	0 / 0.21 0.00 [0.00 - 17.8]	0 / 0.27 0.00 [0.00 - 13.9]	3 / 1.38 2.17 [0.45 - 6.36]	3 / 2.13 1.41 [0.29 - 4.12]
Test for trend : Chi2= 1.17 p=0.280						
Prostate (185)	8 / 13.72 0.58 [0.25 - 1.15]	22 / 20.02 1.10 [0.69 - 1.66]	30 / 32.03 0.94 [0.63 - 1.34]	34 / 41.55 0.82 [0.57 - 1.14]	324 / 348.36 0.93 [0.83 - 1.04]	418 / 455.68 0.92 [0.83 - 1.01]
Test for trend : Chi2= 0.25 p=0.617						
Testis (186)	16 / 15.63 1.02 [0.59 - 1.66]	8 / 8.52 0.94 [0.41 - 1.85]	1 / 6.80 0.15 [0.00 - 0.82]	2 / 4.64 0.43 [0.05 - 1.56]	5 / 7.39 0.68 [0.22 - 1.58]	32 / 42.98 0.74 [0.51 - 1.05]
Test for trend : Chi2= 2.31 p=0.128						
Bladder (188)	12 / 9.40 1.28 [0.66 - 2.23]	8 / 10.32 0.78 [0.33 - 1.53]	13 / 14.59 0.89 [0.47 - 1.52]	16 / 18.30 0.87 [0.50 - 1.42]	119 / 122.96 0.97 [0.80 - 1.16]	168 / 175.56 0.96 [0.82 - 1.11]
Test for trend : Chi2= 0.04 p=0.846						
Bladder (188)	13 / 15.36 0.85 [0.45 - 1.45]	10 / 11.88 0.84 [0.40 - 1.55]	11 / 13.88 0.79 [0.40 - 1.42]	17 / 14.22 1.20 [0.70 - 1.91]	69 / 52.28 1.32 [1.03 - 1.67]	120 / 107.62 1.12 [0.92 - 1.33]
Test for trend : Chi2= 4.29 p=0.038						
Non-Hodgkins lymphoma (200,202)	10 / 8.44 1.19 [0.57 - 2.18]	6 / 6.89 0.87 [0.32 - 1.89]	9 / 8.51 1.06 [0.48 - 2.01]	14 / 9.15 1.53 [0.84 - 2.57]	47 / 46.95 1.00 [0.74 - 1.33]	86 / 79.94 1.08 [0.86 - 1.33]
Test for trend : Chi2= 0.06 p=0.801						

Table 4.2.5
Incidence from selected cancer sites by years since first employment

Norway

Men

years since first employment(years)	1-9	10-14	15-19	20-24	25+	Total
ALL MALIGNANT NEOPLASMS (140-208)	185 / 195.46 0.95 [0.82 - 1.09]	198 / 179.72 1.10 [0.95 - 1.27]	222 / 233.80 0.95 [0.83 - 1.08]	241 / 271.72 0.89 [0.78 - 1.01]	1733 / 1675.53 1.03 [0.99 - 1.08]	2579 / 2556.23 1.01 [0.97 - 1.05]
Test for trend : Chi2= 0.82 p=0.365						
Oral cavity & pharynx (140-149)	11 / 7.55 1.46 [0.73 - 2.61]	11 / 6.78 1.62 [0.81 - 2.90]	12 / 8.51 1.41 [0.73 - 2.46]	9 / 9.87 0.91 [0.42 - 1.73]	48 / 50.05 0.96 [0.71 - 1.27]	91 / 82.75 1.10 [0.89 - 1.35]
Test for trend : Chi2= 3.67 p=0.055						
Oesophagus (150)	3 / 2.06 1.46 [0.30 - 4.26]	2 / 2.14 0.94 [0.11 - 3.38]	2 / 2.82 0.71 [0.09 - 2.56]	3 / 3.37 0.89 [0.18 - 2.60]	20 / 21.09 0.95 [0.58 - 1.46]	30 / 31.48 0.95 [0.64 - 1.36]
Test for trend : Chi2= 0.13 p=0.721						
Oesophagus (150)	1 / 0.62 1.62 [0.04 - 9.00]	0 / 0.59 0.00 [0.00 - 6.28]	0 / 0.80 0.00 [0.00 - 4.64]	1 / 0.92 1.09 [0.03 - 6.08]	6 / 4.90 1.22 [0.45 - 2.66]	8 / 7.82 1.02 [0.44 - 2.02]
Test for trend : Chi2= 0.26 p=0.609						
Oesophagus (150)	20 / 20.09 1.00 [0.61 - 1.54]	31 / 21.23 1.46 [0.99 - 2.07]	23 / 29.59 0.78 [0.49 - 1.17]	31 / 35.82 0.87 [0.59 - 1.23]	268 / 237.25 1.13 [1.00 - 1.27]	373 / 343.97 1.08 [0.98 - 1.20]
Test for trend : Chi2= 0.16 p=0.693						
Larynx (161)	3 / 2.64 1.14 [0.23 - 3.32]	4 / 2.55 1.57 [0.43 - 4.02]	2 / 3.33 0.60 [0.07 - 2.17]	1 / 3.92 0.26 [0.01 - 1.42]	29 / 21.77 1.33 [0.89 - 1.91]	39 / 34.21 1.14 [0.81 - 1.56]
Test for trend : Chi2= 0.22 p=0.639						
Lung (162)	21 / 22.25 0.94 [0.58 - 1.44]	28 / 22.74 1.23 [0.82 - 1.78]	39 / 30.94 1.26 [0.90 - 1.72]	40 / 37.15 1.08 [0.77 - 1.47]	295 / 226.16 1.30 [1.16 - 1.46]	423 / 339.24 1.25 [1.13 - 1.37]
Test for trend : Chi2= 1.70 p=0.192						
Cervix uteri (180)	0 / 0.00 . [. - .]	0 / 0.00 . [. - .]	0 / 0.00 . [. - .]	0 / 0.00 . [. - .]	0 / 0.00 . [. - .]	0 / 0.00 . [. - .]
Ovary (183)	0 / 0.00 . [. - .]	0 / 0.00 . [. - .]	0 / 0.00 . [. - .]	0 / 0.00 . [. - .]	0 / 0.00 . [. - .]	0 / 0.00 . [. - .]
Other female genital organs (184)	0 / 0.00 . [. - .]	0 / 0.00 . [. - .]	0 / 0.00 . [. - .]	0 / 0.00 . [. - .]	0 / 0.00 . [. - .]	0 / 0.00 . [. - .]
Prostate (185)	8 / 13.72 0.58 [0.25 - 1.15]	22 / 20.02 1.10 [0.69 - 1.66]	30 / 32.03 0.94 [0.63 - 1.34]	34 / 41.55 0.82 [0.57 - 1.14]	324 / 348.36 0.93 [0.83 - 1.04]	418 / 455.68 0.92 [0.83 - 1.01]
Test for trend : Chi2= 0.25 p=0.617						
Testis (186)	16 / 15.63 1.02 [0.59 - 1.66]	8 / 8.52 0.94 [0.41 - 1.85]	1 / 6.80 0.15 [0.00 - 0.82]	2 / 4.64 0.43 [0.05 - 1.56]	5 / 7.39 0.68 [0.22 - 1.58]	32 / 42.98 0.74 [0.51 - 1.05]
Test for trend : Chi2= 2.31 p=0.128						
Bladder (188)	12 / 9.01 1.33 [0.69 - 2.33]	8 / 9.87 0.81 [0.35 - 1.60]	13 / 13.96 0.93 [0.50 - 1.59]	14 / 17.56 0.80 [0.44 - 1.34]	116 / 118.92 0.98 [0.81 - 1.17]	163 / 169.32 0.96 [0.82 - 1.12]
Test for trend : Chi2= 0.11 p=0.738						
Bladder (188)	9 / 12.12 0.74 [0.34 - 1.41]	9 / 9.50 0.95 [0.43 - 1.80]	9 / 11.17 0.81 [0.37 - 1.53]	13 / 11.62 1.12 [0.60 - 1.91]	64 / 44.85 1.43 [1.10 - 1.82]	104 / 89.26 1.17 [0.95 - 1.41]
Test for trend : Chi2= 5.40 p=0.020						
Non-Hodgkins lymphoma (200,202)	8 / 7.51 1.07 [0.46 - 2.10]	6 / 6.12 0.98 [0.36 - 2.14]	9 / 7.51 1.20 [0.55 - 2.28]	12 / 8.10 1.48 [0.77 - 2.59]	44 / 42.43 1.04 [0.75 - 1.39]	79 / 71.66 1.10 [0.87 - 1.37]
Test for trend : Chi2= 0.01 p=0.924						

Table 4.2.5
Incidence from selected cancer sites by years since first employment

Norway
Women

years since first employment(years)	1-9	10-14	15-19	20-24	25+	Total
ALL MALIGNANT NEOPLASMS (140-208)	33 / 43.83 0.75 [0.52 - 1.06]	31 / 35.04 0.88 [0.60 - 1.26]	47 / 42.81 1.10 [0.81 - 1.46]	64 / 44.66 1.43 [1.10 - 1.83]	203 / 176.67 1.15 [1.00 - 1.32]	378 / 343.01 1.10 [0.99 - 1.22]
Test for trend : Chi2= 5.94 p=0.015						
Oral cavity & pharynx (140-149)	0 / 0.40 0.00 [0.00 - 9.18]	0 / 0.36 0.00 [0.00 - 10.2]	0 / 0.43 0.00 [0.00 - 8.52]	1 / 0.46 2.18 [0.05 - 12.2]	2 / 2.10 0.95 [0.12 - 3.45]	3 / 3.75 0.80 [0.17 - 2.34]
Test for trend : Chi2= 0.81 p=0.369						
Oesophagus (150)	0 / 0.06 0.00 [0.00 - 57.0]	0 / 0.08 0.00 [0.00 - 48.0]	1 / 0.11 9.07 [0.23 - 50.6]	0 / 0.12 0.00 [0.00 - 29.9]	0 / 0.73 0.00 [0.00 - 5.08]	1 / 1.10 0.91 [0.02 - 5.06]
Test for trend : Chi2= 1.02 p=0.312						
Oesophagus (150)	0 / 0.09 0.00 [0.00 - 41.5]	0 / 0.08 0.00 [0.00 - 44.4]	0 / 0.11 0.00 [0.00 - 32.5]	0 / 0.13 0.00 [0.00 - 28.0]	1 / 0.62 1.61 [0.04 - 9.00]	1 / 1.04 0.97 [0.02 - 5.38]
Test for trend : Chi2= 0.48 p=0.488						
Oesophagus (150)	0 / 3.05 0.00 [0.00 - 1.21]	4 / 3.09 1.29 [0.35 - 3.32]	7 / 4.32 1.62 [0.65 - 3.34]	9 / 4.88 1.84 [0.84 - 3.50]	23 / 25.46 0.90 [0.57 - 1.36]	43 / 40.81 1.05 [0.76 - 1.42]
Test for trend : Chi2= 0.05 p=0.826						
Larynx (161)	0 / 0.04 0.00 [0.00 - 92.7]	0 / 0.04 0.00 [0.00 - 90.0]	0 / 0.05 0.00 [0.00 - 71.1]	0 / 0.05 0.00 [0.00 - 71.7]	1 / 0.25 4.00 [0.10 - 22.3]	1 / 0.43 2.30 [0.06 - 12.8]
Test for trend : Chi2= 0.53 p=0.465						
Lung (162)	0 / 1.03 0.00 [0.00 - 3.58]	2 / 1.12 1.79 [0.22 - 6.48]	3 / 1.58 1.90 [0.39 - 5.55]	4 / 1.73 2.31 [0.63 - 5.91]	14 / 8.65 1.62 [0.89 - 2.72]	23 / 14.10 1.63 [1.03 - 2.45]
Test for trend : Chi2= 0.45 p=0.505						
Cervix uteri (180)	6 / 6.18 0.97 [0.36 - 2.11]	4 / 4.27 0.94 [0.26 - 2.40]	8 / 4.65 1.72 [0.74 - 3.39]	3 / 4.08 0.74 [0.15 - 2.15]	8 / 8.81 0.91 [0.39 - 1.79]	29 / 28.00 1.04 [0.69 - 1.49]
Test for trend : Chi2= 0.07 p=0.788						
Ovary (183)	3 / 3.62 0.83 [0.17 - 2.42]	5 / 2.70 1.85 [0.60 - 4.33]	4 / 3.09 1.30 [0.35 - 3.32]	6 / 3.19 1.88 [0.69 - 4.10]	19 / 11.62 1.63 [0.98 - 2.55]	37 / 24.21 1.53 [1.08 - 2.11]
Test for trend : Chi2= 0.71 p=0.398						
Other female genital organs (184)	0 / 0.13 0.00 [0.00 - 27.7]	0 / 0.14 0.00 [0.00 - 26.2]	0 / 0.21 0.00 [0.00 - 17.8]	0 / 0.27 0.00 [0.00 - 13.9]	3 / 1.38 2.17 [0.45 - 6.36]	3 / 2.13 1.41 [0.29 - 4.12]
Test for trend : Chi2= 1.17 p=0.280						
Prostate (185)	0 / 0.00 . [. - .]	0 / 0.00 . [. - .]	0 / 0.00 . [. - .]	0 / 0.00 . [. - .]	0 / 0.00 . [. - .]	0 / 0.00 . [. - .]
Testis (186)	0 / 0.00 . [. - .]	0 / 0.00 . [. - .]	0 / 0.00 . [. - .]	0 / 0.00 . [. - .]	0 / 0.00 . [. - .]	0 / 0.00 . [. - .]
Bladder (188)	0 / 0.39 0.00 [0.00 - 9.40]	0 / 0.44 0.00 [0.00 - 8.36]	0 / 0.63 0.00 [0.00 - 5.83]	2 / 0.74 2.69 [0.33 - 9.72]	3 / 4.03 0.74 [0.15 - 2.17]	5 / 6.24 0.80 [0.26 - 1.87]
Test for trend : Chi2= 0.48 p=0.489						
Bladder (188)	4 / 3.23 1.24 [0.34 - 3.17]	1 / 2.38 0.42 [0.01 - 2.34]	2 / 2.72 0.74 [0.09 - 2.66]	4 / 2.61 1.54 [0.42 - 3.93]	5 / 7.43 0.67 [0.22 - 1.57]	16 / 18.36 0.87 [0.50 - 1.41]
Test for trend : Chi2= 0.16 p=0.685						
Non-Hodgkins lymphoma (200,202)	2 / 0.93 2.15 [0.26 - 7.76]	0 / 0.78 0.00 [0.00 - 4.75]	0 / 1.00 0.00 [0.00 - 3.70]	2 / 1.05 1.91 [0.23 - 6.90]	3 / 4.53 0.66 [0.14 - 1.94]	7 / 8.28 0.85 [0.34 - 1.74]
Test for trend : Chi2= 0.37 p=0.542						

Table 4.2.6
Incidence from selected cancer sites by years since first employment

Sweden

years since first employment(years)	1-9	10-14	15-19	20-24	25+	Total
ALL MALIGNANT NEOPLASMS (140-208)	55 / 64.04 0.86 [0.65 - 1.12]	45 / 53.57 0.84 [0.61 - 1.12]	75 / 64.72 1.16 [0.91 - 1.45]	67 / 66.81 1.00 [0.78 - 1.27]	257 / 269.55 0.95 [0.84 - 1.08]	499 / 518.70 0.96 [0.88 - 1.05]
Test for trend : Chi2= 0.30 p=0.585						
Oral cavity & pharynx (140-149)	0 / 2.05 0.00 [0.00 - 1.80]	4 / 1.59 2.51 [0.68 - 6.42]	1 / 1.80 0.56 [0.01 - 3.10]	0 / 1.77 0.00 [0.00 - 2.09]	3 / 6.75 0.44 [0.09 - 1.30]	8 / 13.96 0.57 [0.25 - 1.13]
Test for trend : Chi2= 0.66 p=0.416						
Oesophagus (150)	2 / 0.59 3.41 [0.41 - 12.3]	0 / 0.58 0.00 [0.00 - 6.39]	0 / 0.73 0.00 [0.00 - 5.05]	1 / 0.78 1.28 [0.03 - 7.15]	0 / 3.42 0.00 [0.00 - 1.08]	3 / 6.10 0.49 [0.10 - 1.44]
Test for trend : Chi2= 6.01 p=0.014						
Oesophagus (150)	0 / 0.33 0.00 [0.00 - 11.3]	0 / 0.29 0.00 [0.00 - 12.7]	0 / 0.36 0.00 [0.00 - 10.4]	0 / 0.37 0.00 [0.00 - 10.1]	1 / 1.36 0.74 [0.02 - 4.10]	1 / 2.70 0.37 [0.01 - 2.07]
Test for trend : Chi2= 0.69 p=0.407						
Oesophagus (150)	7 / 6.33 1.11 [0.44 - 2.28]	2 / 5.75 0.35 [0.04 - 1.26]	17 / 7.26 2.34 [1.36 - 3.75]	5 / 7.79 0.64 [0.21 - 1.50]	42 / 33.69 1.25 [0.90 - 1.69]	73 / 60.83 1.20 [0.94 - 1.51]
Test for trend : Chi2= 0.16 p=0.685						
Larynx (161)	0 / 0.69 0.00 [0.00 - 5.38]	0 / 0.59 0.00 [0.00 - 6.25]	0 / 0.69 0.00 [0.00 - 5.32]	0 / 0.69 0.00 [0.00 - 5.31]	1 / 2.68 0.37 [0.01 - 2.08]	1 / 5.34 0.19 [0.00 - 1.04]
Test for trend : Chi2= 0.70 p=0.402						
Lung (162)	3 / 5.38 0.56 [0.11 - 1.63]	6 / 5.07 1.18 [0.43 - 2.57]	8 / 6.28 1.27 [0.55 - 2.51]	6 / 6.52 0.92 [0.34 - 2.00]	20 / 26.81 0.75 [0.46 - 1.15]	43 / 50.07 0.86 [0.62 - 1.16]
Test for trend : Chi2= 0.19 p=0.664						
Cervix uteri (180)	11 / 1.16 9.48 [4.73 - 17.0]	5 / 0.66 7.53 [2.44 - 17.6]	1 / 0.61 1.65 [0.04 - 9.19]	1 / 0.45 2.21 [0.06 - 12.3]	1 / 0.63 1.60 [0.04 - 8.91]	19 / 3.51 5.42 [3.26 - 8.46]
Test for trend : Chi2= 6.89 p=0.009						
Ovary (183)	0 / 0.86 0.00 [0.00 - 4.28]	0 / 0.66 0.00 [0.00 - 5.60]	2 / 0.75 2.68 [0.32 - 9.67]	2 / 0.72 2.77 [0.34 - 10.0]	0 / 1.43 0.00 [0.00 - 2.57]	4 / 4.42 0.90 [0.25 - 2.32]
Test for trend : Chi2= 0.09 p=0.765						
Other female genital organs (184)	0 / 0.03 0.00 [0.00 - 0138]	0 / 0.04 0.00 [0.00 - 0105]	0 / 0.05 0.00 [0.00 - 69.3]	0 / 0.06 0.00 [0.00 - 58.9]	1 / 0.20 4.99 [0.12 - 27.8]	1 / 0.38 2.64 [0.07 - 14.7]
Test for trend : Chi2= 0.61 p=0.436						
Prostate (185)	1 / 4.38 0.23 [0.01 - 1.27]	4 / 6.11 0.66 [0.18 - 1.68]	7 / 9.11 0.77 [0.31 - 1.58]	11 / 10.63 1.03 [0.52 - 1.85]	54 / 56.52 0.96 [0.72 - 1.25]	77 / 86.74 0.89 [0.70 - 1.11]
Test for trend : Chi2= 2.45 p=0.117						
Testis (186)	1 / 2.82 0.35 [0.01 - 1.97]	1 / 1.38 0.72 [0.02 - 4.04]	0 / 0.99 0.00 [0.00 - 3.74]	1 / 0.58 1.73 [0.04 - 9.62]	2 / 0.73 2.75 [0.33 - 9.93]	5 / 6.50 0.77 [0.25 - 1.80]
Test for trend : Chi2= 3.60 p=0.058						
Bladder (188)	1 / 3.14 0.32 [0.01 - 1.78]	5 / 2.97 1.68 [0.55 - 3.93]	6 / 3.78 1.59 [0.58 - 3.46]	5 / 4.03 1.24 [0.40 - 2.89]	15 / 16.88 0.89 [0.50 - 1.47]	32 / 30.80 1.04 [0.71 - 1.47]
Test for trend : Chi2= 0.04 p=0.835						
Bladder (188)	1 / 3.36 0.30 [0.01 - 1.66]	0 / 2.49 0.00 [0.00 - 1.48]	2 / 2.75 0.73 [0.09 - 2.62]	1 / 2.57 0.39 [0.01 - 2.17]	8 / 6.39 1.25 [0.54 - 2.47]	12 / 17.56 0.68 [0.35 - 1.19]
Test for trend : Chi2= 4.08 p=0.043						
Non-Hodgkins lymphoma (200,202)	5 / 2.29 2.18 [0.71 - 5.09]	2 / 1.83 1.09 [0.13 - 3.95]	3 / 2.19 1.37 [0.28 - 4.00]	4 / 2.25 1.77 [0.48 - 4.54]	6 / 7.75 0.77 [0.28 - 1.68]	20 / 16.32 1.23 [0.75 - 1.89]
Test for trend : Chi2= 2.20 p=0.138						

Table 4.2.6
Incidence from selected cancer sites by years since first employment

Sweden

Men

years since first employment(years)	1-9	10-14	15-19	20-24	25+	Total
ALL MALIGNANT NEOPLASMS (140-208)	38 / 53.40 0.71 [0.50 - 0.98]	38 / 45.07 0.84 [0.60 - 1.16]	60 / 54.54 1.10 [0.84 - 1.42]	54 / 56.30 0.96 [0.72 - 1.25]	234 / 245.20 0.95 [0.84 - 1.08]	424 / 454.51 0.93 [0.85 - 1.03]
Test for trend : Chi2= 1.77 p=0.183						
Oral cavity & pharynx (140-149)	0 / 1.94 0.00 [0.00 - 1.91]	4 / 1.50 2.66 [0.73 - 6.82]	1 / 1.69 0.59 [0.01 - 3.30]	0 / 1.65 0.00 [0.00 - 2.23]	3 / 6.47 0.46 [0.10 - 1.36]	8 / 13.24 0.60 [0.26 - 1.19]
Test for trend : Chi2= 0.69 p=0.405						
Oesophagus (150)	2 / 0.57 3.53 [0.43 - 12.7]	0 / 0.56 0.00 [0.00 - 6.63]	0 / 0.70 0.00 [0.00 - 5.28]	1 / 0.74 1.35 [0.03 - 7.53]	0 / 3.30 0.00 [0.00 - 1.12]	3 / 5.86 0.51 [0.11 - 1.50]
Test for trend : Chi2= 5.99 p=0.014						
Oesophagus (150)	0 / 0.30 0.00 [0.00 - 12.5]	0 / 0.26 0.00 [0.00 - 14.1]	0 / 0.32 0.00 [0.00 - 11.6]	0 / 0.32 0.00 [0.00 - 11.4]	1 / 1.25 0.80 [0.02 - 4.47]	1 / 2.45 0.41 [0.01 - 2.28]
Test for trend : Chi2= 0.68 p=0.410						
Oesophagus (150)	7 / 5.61 1.25 [0.50 - 2.57]	2 / 5.08 0.39 [0.05 - 1.42]	14 / 6.37 2.20 [1.20 - 3.69]	3 / 6.75 0.44 [0.09 - 1.30]	41 / 30.68 1.34 [0.96 - 1.81]	67 / 54.49 1.23 [0.95 - 1.56]
Test for trend : Chi2= 0.21 p=0.645						
Larynx (161)	0 / 0.67 0.00 [0.00 - 5.51]	0 / 0.58 0.00 [0.00 - 6.39]	0 / 0.68 0.00 [0.00 - 5.45]	0 / 0.68 0.00 [0.00 - 5.45]	1 / 2.64 0.38 [0.01 - 2.11]	1 / 5.24 0.19 [0.00 - 1.06]
Test for trend : Chi2= 0.70 p=0.404						
Lung (162)	3 / 5.13 0.58 [0.12 - 1.71]	6 / 4.81 1.25 [0.46 - 2.72]	8 / 5.90 1.35 [0.58 - 2.67]	6 / 6.09 0.99 [0.36 - 2.15]	16 / 25.73 0.62 [0.36 - 1.01]	39 / 47.66 0.82 [0.58 - 1.12]
Test for trend : Chi2= 0.97 p=0.324						
Cervix uteri (180)	0 / 0.00 . [. - .]	0 / 0.00 . [. - .]	0 / 0.00 . [. - .]	0 / 0.00 . [. - .]	0 / 0.00 . [. - .]	0 / 0.00 . [. - .]
Ovary (183)	0 / 0.00 . [. - .]	0 / 0.00 . [. - .]	0 / 0.00 . [. - .]	0 / 0.00 . [. - .]	0 / 0.00 . [. - .]	0 / 0.00 . [. - .]
Other female genital organs (184)	0 / 0.00 . [. - .]	0 / 0.00 . [. - .]	0 / 0.00 . [. - .]	0 / 0.00 . [. - .]	0 / 0.00 . [. - .]	0 / 0.00 . [. - .]
Prostate (185)	1 / 4.38 0.23 [0.01 - 1.27]	4 / 6.11 0.66 [0.18 - 1.68]	7 / 9.11 0.77 [0.31 - 1.58]	11 / 10.63 1.03 [0.52 - 1.85]	54 / 56.52 0.96 [0.72 - 1.25]	77 / 86.74 0.89 [0.70 - 1.11]
Test for trend : Chi2= 2.45 p=0.117						
Testis (186)	1 / 2.82 0.35 [0.01 - 1.97]	1 / 1.38 0.72 [0.02 - 4.04]	0 / 0.99 0.00 [0.00 - 3.74]	1 / 0.58 1.73 [0.04 - 9.62]	2 / 0.73 2.75 [0.33 - 9.93]	5 / 6.50 0.77 [0.25 - 1.80]
Test for trend : Chi2= 3.60 p=0.058						
Bladder (188)	1 / 3.02 0.33 [0.01 - 1.85]	5 / 2.85 1.75 [0.57 - 4.09]	6 / 3.61 1.66 [0.61 - 3.62]	5 / 3.83 1.31 [0.42 - 3.05]	14 / 16.30 0.86 [0.47 - 1.44]	31 / 29.62 1.05 [0.71 - 1.49]
Test for trend : Chi2= 0.13 p=0.718						
Bladder (188)	1 / 2.86 0.35 [0.01 - 1.95]	0 / 2.12 0.00 [0.00 - 1.74]	2 / 2.34 0.86 [0.10 - 3.09]	1 / 2.19 0.46 [0.01 - 2.54]	6 / 5.70 1.05 [0.39 - 2.29]	10 / 15.21 0.66 [0.32 - 1.21]
Test for trend : Chi2= 2.17 p=0.140						
Non-Hodgkins lymphoma (200,202)	5 / 2.11 2.37 [0.77 - 5.54]	2 / 1.67 1.20 [0.15 - 4.34]	3 / 1.98 1.52 [0.31 - 4.43]	3 / 2.01 1.49 [0.31 - 4.37]	5 / 7.10 0.70 [0.23 - 1.64]	18 / 14.85 1.21 [0.72 - 1.92]
Test for trend : Chi2= 3.28 p=0.070						

Table 4.2.6
Incidence from selected cancer sites by years since first employment

Sweden
Women

years since first employment(years)	1-9	10-14	15-19	20-24	25+	Total
ALL MALIGNANT NEOPLASMS (140-208)	17 / 10.64 1.60 [0.93 - 2.56]	7 / 8.50 0.82 [0.33 - 1.70]	15 / 10.18 1.47 [0.82 - 2.43]	13 / 10.51 1.24 [0.66 - 2.11]	23 / 24.35 0.94 [0.60 - 1.42]	75 / 64.19 1.17 [0.92 - 1.46]
Test for trend : Chi2= 1.58 p=0.209						
Oral cavity & pharynx (140-149)	0 / 0.11 0.00 [0.00 - 33.0]	0 / 0.09 0.00 [0.00 - 39.7]	0 / 0.11 0.00 [0.00 - 32.9]	0 / 0.12 0.00 [0.00 - 31.8]	0 / 0.28 0.00 [0.00 - 13.2]	0 / 0.71 0.00 [0.00 - 5.17]
Oesophagus (150)	0 / 0.02 0.00 [0.00 - 0183]	0 / 0.02 0.00 [0.00 - 0172]	0 / 0.03 0.00 [0.00 - 0120]	0 / 0.04 0.00 [0.00 - 93.2]	0 / 0.12 0.00 [0.00 - 29.5]	0 / 0.24 0.00 [0.00 - 15.6]
Oesophagus (150)	0 / 0.03 0.00 [0.00 - 0121]	0 / 0.03 0.00 [0.00 - 0135]	0 / 0.04 0.00 [0.00 - 0100]	0 / 0.04 0.00 [0.00 - 87.6]	0 / 0.11 0.00 [0.00 - 33.1]	0 / 0.25 0.00 [0.00 - 14.9]
Oesophagus (150)	0 / 0.72 0.00 [0.00 - 5.09]	0 / 0.66 0.00 [0.00 - 5.56]	3 / 0.89 3.35 [0.69 - 9.80]	2 / 1.05 1.91 [0.23 - 6.91]	1 / 3.01 0.33 [0.01 - 1.85]	6 / 6.34 0.95 [0.35 - 2.06]
Test for trend : Chi2= 0.04 p=0.843						
Larynx (161)	0 / 0.02 0.00 [0.00 - 0232]	0 / 0.01 0.00 [0.00 - 0271]	0 / 0.02 0.00 [0.00 - 0219]	0 / 0.02 0.00 [0.00 - 0218]	0 / 0.04 0.00 [0.00 - 0104]	0 / 0.10 0.00 [0.00 - 37.3]
Lung (162)	0 / 0.25 0.00 [0.00 - 14.7]	0 / 0.27 0.00 [0.00 - 13.9]	0 / 0.37 0.00 [0.00 - 9.85]	0 / 0.44 0.00 [0.00 - 8.45]	4 / 1.08 3.69 [1.01 - 9.45]	4 / 2.41 1.66 [0.45 - 4.25]
Test for trend : Chi2= 3.19 p=0.074						
Cervix uteri (180)	11 / 1.16 9.48 [4.73 - 17.0]	5 / 0.66 7.53 [2.44 - 17.6]	1 / 0.61 1.65 [0.04 - 9.19]	1 / 0.45 2.21 [0.06 - 12.3]	1 / 0.63 1.60 [0.04 - 8.91]	19 / 3.51 5.42 [3.26 - 8.46]
Test for trend : Chi2= 6.89 p=0.009						
Ovary (183)	0 / 0.86 0.00 [0.00 - 4.28]	0 / 0.66 0.00 [0.00 - 5.60]	2 / 0.75 2.68 [0.32 - 9.67]	2 / 0.72 2.77 [0.34 - 10.0]	0 / 1.43 0.00 [0.00 - 2.57]	4 / 4.42 0.90 [0.25 - 2.32]
Test for trend : Chi2= 0.09 p=0.765						
Other female genital organs (184)	0 / 0.03 0.00 [0.00 - 0138]	0 / 0.04 0.00 [0.00 - 0105]	0 / 0.05 0.00 [0.00 - 69.3]	0 / 0.06 0.00 [0.00 - 58.9]	1 / 0.20 4.99 [0.12 - 27.8]	1 / 0.38 2.64 [0.07 - 14.7]
Test for trend : Chi2= 0.61 p=0.436						
Prostate (185)	0 / 0.00 . [. - .]	0 / 0.00 . [. - .]	0 / 0.00 . [. - .]	0 / 0.00 . [. - .]	0 / 0.00 . [. - .]	0 / 0.00 . [. - .]
Testis (186)	0 / 0.00 . [. - .]	0 / 0.00 . [. - .]	0 / 0.00 . [. - .]	0 / 0.00 . [. - .]	0 / 0.00 . [. - .]	0 / 0.00 . [. - .]
Bladder (188)	0 / 0.12 0.00 [0.00 - 31.1]	0 / 0.12 0.00 [0.00 - 31.3]	0 / 0.17 0.00 [0.00 - 22.0]	0 / 0.20 0.00 [0.00 - 18.4]	1 / 0.57 1.74 [0.04 - 9.70]	1 / 1.18 0.85 [0.02 - 4.73]
Test for trend : Chi2= 0.70 p=0.402						
Bladder (188)	0 / 0.50 0.00 [0.00 - 7.31]	0 / 0.37 0.00 [0.00 - 9.92]	0 / 0.41 0.00 [0.00 - 8.89]	0 / 0.38 0.00 [0.00 - 9.80]	2 / 0.69 2.91 [0.35 - 10.5]	2 / 2.36 0.85 [0.10 - 3.07]
Test for trend : Chi2= 2.93 p=0.087						
Non-Hodgkins lymphoma (200,202)	0 / 0.18 0.00 [0.00 - 20.0]	0 / 0.16 0.00 [0.00 - 22.5]	0 / 0.22 0.00 [0.00 - 17.0]	1 / 0.25 4.06 [0.10 - 22.6]	1 / 0.66 1.52 [0.04 - 8.48]	2 / 1.47 1.36 [0.16 - 4.92]
Test for trend : Chi2= 0.62 p=0.433						

Table 4.3.1
Incidence from selected cancer sites by duration of employment

TOTAL COHORT

duration of employment(years)	1-4	5-9	10-14	15-19	20-24	25-29	> 30	Total
ALL MALIGNANT NEOPLASMS (140-208) Test for trend : Chi2= 1.77 p=0.184	1265 / 1332.99 0.95 [0.90 - 1.00]	877 / 936.87 0.94 [0.88 - 1.00]	660 / 752.51 0.88 [0.81 - 0.95]	633 / 725.17 0.87 [0.81 - 0.94]	561 / 641.62 0.87 [0.80 - 0.95]	493 / 582.59 0.85 [0.77 - 0.92]	1431 / 1555.63 0.92 [0.87 - 0.97]	5920 / 6527.38 0.91 [0.88 - 0.93]
Oral cavity & pharynx (140-149) Test for trend : Chi2= 8.53 p=0.004	53 / 37.00 1.43 [1.07 - 1.87]	34 / 26.52 1.28 [0.89 - 1.79]	22 / 22.11 1.00 [0.62 - 1.51]	15 / 21.40 0.70 [0.39 - 1.16]	10 / 18.90 0.53 [0.25 - 0.97]	13 / 17.23 0.75 [0.40 - 1.29]	40 / 43.12 0.93 [0.66 - 1.26]	187 / 186.28 1.00 [0.87 - 1.16]
Oesophagus (150) Test for trend : Chi2= 7.68 p=0.006	14 / 13.46 1.04 [0.57 - 1.75]	13 / 10.15 1.28 [0.68 - 2.19]	6 / 8.93 0.67 [0.25 - 1.46]	7 / 9.16 0.76 [0.31 - 1.57]	5 / 8.38 0.60 [0.19 - 1.39]	8 / 7.72 1.04 [0.45 - 2.04]	6 / 20.87 0.29 [0.11 - 0.63]	59 / 78.68 0.75 [0.57 - 0.97]
Oesophagus (150) Test for trend : Chi2= 1.65 p=0.199	4 / 4.05 0.99 [0.27 - 2.53]	3 / 2.90 1.03 [0.21 - 3.02]	1 / 2.38 0.42 [0.01 - 2.34]	0 / 2.24 0.00 [0.00 - 1.65]	1 / 1.98 0.51 [0.01 - 2.82]	0 / 1.80 0.00 [0.00 - 2.05]	10 / 4.70 2.13 [1.02 - 3.91]	19 / 20.05 0.95 [0.57 - 1.48]
Oesophagus (150) Test for trend : Chi2= 1.43 p=0.232	116 / 145.12 0.80 [0.66 - 0.96]	105 / 106.97 0.98 [0.80 - 1.19]	80 / 87.92 0.91 [0.72 - 1.13]	78 / 83.97 0.93 [0.73 - 1.16]	69 / 74.91 0.92 [0.72 - 1.17]	66 / 70.16 0.94 [0.73 - 1.20]	185 / 190.85 0.97 [0.83 - 1.12]	699 / 759.90 0.92 [0.85 - 0.99]
Larynx (161) Test for trend : Chi2= 0.18 p=0.672	19 / 17.15 1.11 [0.67 - 1.73]	13 / 12.10 1.07 [0.57 - 1.84]	8 / 10.18 0.79 [0.34 - 1.55]	12 / 9.74 1.23 [0.64 - 2.15]	7 / 8.82 0.79 [0.32 - 1.64]	11 / 8.26 1.33 [0.66 - 2.38]	18 / 20.47 0.88 [0.52 - 1.39]	88 / 86.72 1.01 [0.81 - 1.25]
Lung (162) Test for trend : Chi2= 14.41 p=0.000	209 / 171.68 1.22 [1.06 - 1.39]	154 / 124.89 1.23 [1.05 - 1.44]	114 / 105.42 1.08 [0.89 - 1.30]	106 / 105.03 1.01 [0.83 - 1.22]	115 / 97.88 1.17 [0.97 - 1.41]	81 / 93.82 0.86 [0.69 - 1.07]	223 / 247.92 0.90 [0.79 - 1.03]	1002 / 946.64 1.06 [0.99 - 1.13]
Cervix uteri (180) Test for trend : Chi2= 1.05 p=0.306	30 / 26.99 1.11 [0.75 - 1.59]	24 / 15.30 1.57 [1.00 - 2.33]	13 / 9.11 1.43 [0.76 - 2.44]	13 / 6.87 1.89 [1.01 - 3.24]	3 / 5.04 0.60 [0.12 - 1.74]	3 / 3.28 0.91 [0.19 - 2.67]	2 / 4.51 0.44 [0.05 - 1.60]	88 / 71.11 1.24 [0.99 - 1.52]
Ovary (183) Test for trend : Chi2= 0.14 p=0.712	26 / 19.22 1.35 [0.88 - 1.98]	12 / 12.19 0.98 [0.51 - 1.72]	5 / 8.02 0.62 [0.20 - 1.46]	8 / 6.83 1.17 [0.51 - 2.31]	10 / 5.31 1.88 [0.90 - 3.47]	8 / 3.87 2.07 [0.89 - 4.07]	6 / 6.53 0.92 [0.34 - 2.00]	75 / 61.97 1.21 [0.95 - 1.52]
Other female genital organs (184) Test for trend : Chi2= 0.07 p=0.793	3 / 1.67 1.80 [0.37 - 5.26]	2 / 1.13 1.76 [0.21 - 6.37]	2 / 0.77 2.61 [0.32 - 9.44]	2 / 0.74 2.70 [0.33 - 9.75]	2 / 0.61 3.30 [0.40 - 11.9]	0 / 0.43 0.00 [0.00 - 8.65]	1 / 0.81 1.24 [0.03 - 6.88]	12 / 6.15 1.95 [1.01 - 3.41]
Prostate (185) Test for trend : Chi2= 0.03 p=0.869	99 / 104.80 0.94 [0.77 - 1.15]	82 / 87.73 0.93 [0.74 - 1.16]	76 / 82.00 0.93 [0.73 - 1.16]	68 / 89.42 0.76 [0.59 - 0.96]	69 / 82.56 0.84 [0.65 - 1.06]	63 / 79.35 0.79 [0.61 - 1.02]	249 / 256.16 0.97 [0.86 - 1.10]	706 / 782.03 0.90 [0.84 - 0.97]
Testis (186) Test for trend : Chi2= 1.20 p=0.273	18 / 38.55 0.47 [0.28 - 0.74]	13 / 20.28 0.64 [0.34 - 1.10]	10 / 11.78 0.85 [0.41 - 1.56]	1 / 7.19 0.14 [0.00 - 0.77]	2 / 4.31 0.46 [0.06 - 1.68]	5 / 2.72 1.84 [0.60 - 4.30]	2 / 3.63 0.55 [0.07 - 1.99]	51 / 88.45 0.58 [0.43 - 0.76]
Bladder (188) Test for trend : Chi2= 1.71 p=0.191	95 / 71.88 1.32 [1.07 - 1.62]	45 / 51.74 0.87 [0.63 - 1.16]	27 / 41.72 0.65 [0.43 - 0.94]	45 / 39.63 1.14 [0.83 - 1.52]	32 / 35.50 0.90 [0.62 - 1.27]	30 / 33.45 0.90 [0.61 - 1.28]	94 / 95.96 0.98 [0.79 - 1.20]	368 / 369.86 0.99 [0.90 - 1.10]
Bladder (188) Test for trend : Chi2= 13.23 p=0.000	56 / 60.07 0.93 [0.70 - 1.21]	27 / 37.26 0.72 [0.48 - 1.05]	11 / 27.33 0.40 [0.20 - 0.72]	19 / 22.51 0.84 [0.51 - 1.32]	22 / 18.35 1.20 [0.75 - 1.82]	18 / 15.66 1.15 [0.68 - 1.82]	50 / 30.17 1.66 [1.23 - 2.18]	203 / 211.35 0.96 [0.83 - 1.10]
Non-Hodgkins lymphoma (200,202) Test for trend : Chi2= 0.11 p=0.745	37 / 39.08 0.95 [0.67 - 1.31]	27 / 26.06 1.04 [0.68 - 1.51]	10 / 20.32 0.49 [0.24 - 0.91]	21 / 18.62 1.13 [0.70 - 1.72]	12 / 16.00 0.75 [0.39 - 1.31]	12 / 14.36 0.84 [0.43 - 1.46]	32 / 35.56 0.90 [0.62 - 1.27]	151 / 169.99 0.89 [0.75 - 1.04]

Table 4.3.2
Incidence from selected cancer sites by duration of employment

Denmark
Women

duration of employment(years)	1-4	5-9	10-14	15-19	20-24	25-29	> 30	Total
ALL MALIGNANT NEOPLASMS (140-208) Test for trend : Chi2= 2.70 p=0.100	102 / 110.77 0.92 [0.75 - 1.12]	45 / 51.21 0.88 [0.64 - 1.18]	25 / 26.89 0.93 [0.60 - 1.37]	18 / 18.67 0.96 [0.57 - 1.52]	10 / 15.89 0.63 [0.30 - 1.16]	8 / 14.09 0.57 [0.25 - 1.12]	16 / 23.55 0.68 [0.39 - 1.10]	224 / 261.07 0.86 [0.75 - 0.98]
Oral cavity & pharynx (140-149) Test for trend : Chi2= 0.24 p=0.623	2 / 1.10 1.81 [0.22 - 6.54]	2 / 0.52 3.88 [0.47 - 14.0]	0 / 0.28 0.00 [0.00 - 13.3]	2 / 0.19 10.50 [1.27 - 38.0]	0 / 0.16 0.00 [0.00 - 22.6]	0 / 0.15 0.00 [0.00 - 24.7]	0 / 0.27 0.00 [0.00 - 13.7]	6 / 2.67 2.25 [0.82 - 4.89]
Oesophagus (150) Test for trend : Chi2= 0.02 p=0.878	0 / 0.39 0.00 [0.00 - 9.39]	2 / 0.20 10.20 [1.23 - 36.9]	0 / 0.11 0.00 [0.00 - 33.8]	0 / 0.08 0.00 [0.00 - 45.7]	0 / 0.08 0.00 [0.00 - 46.9]	1 / 0.08 11.80 [0.29 - 65.7]	0 / 0.16 0.00 [0.00 - 23.1]	3 / 1.10 2.72 [0.56 - 7.96]
Oesophagus (150) Test for trend : Chi2= 0.02 p=0.884	0 / 0.19 0.00 [0.00 - 19.1]	0 / 0.09 0.00 [0.00 - 41.2]	0 / 0.05 0.00 [0.00 - 73.9]	0 / 0.04 0.00 [0.00 - 102]	0 / 0.03 0.00 [0.00 - 116]	0 / 0.03 0.00 [0.00 - 121]	0 / 0.05 0.00 [0.00 - 68.6]	0 / 0.48 0.00 [0.00 - 7.61]
Oesophagus (150) Test for trend : Chi2= 0.02 p=0.884	6 / 9.93 0.60 [0.22 - 1.32]	4 / 4.92 0.81 [0.22 - 2.08]	2 / 2.71 0.74 [0.09 - 2.67]	0 / 2.01 0.00 [0.00 - 1.84]	1 / 1.93 0.52 [0.01 - 2.89]	0 / 1.95 0.00 [0.00 - 1.89]	4 / 3.54 1.13 [0.31 - 2.90]	17 / 26.97 0.63 [0.37 - 1.01]
Larynx (161) Test for trend : Chi2= 0.00 p=0.979	0 / 0.40 0.00 [0.00 - 9.18]	1 / 0.19 5.19 [0.13 - 28.9]	1 / 0.10 10.00 [0.25 - 55.9]	0 / 0.07 0.00 [0.00 - 52.5]	0 / 0.06 0.00 [0.00 - 65.8]	0 / 0.04 0.00 [0.00 - 86.2]	0 / 0.06 0.00 [0.00 - 57.8]	2 / 0.93 2.16 [0.26 - 7.79]
Lung (162) Test for trend : Chi2= 0.83 p=0.361	13 / 7.56 1.72 [0.92 - 2.94]	6 / 3.65 1.64 [0.60 - 3.58]	1 / 1.91 0.52 [0.01 - 2.92]	2 / 1.37 1.46 [0.18 - 5.27]	2 / 1.12 1.79 [0.22 - 6.45]	1 / 0.90 1.11 [0.03 - 6.17]	1 / 1.40 0.71 [0.02 - 3.98]	26 / 17.91 1.45 [0.95 - 2.13]
Cervix uteri (180) Test for trend : Chi2= 0.10 p=0.750	10 / 10.67 0.94 [0.45 - 1.72]	3 / 4.68 0.64 [0.13 - 1.87]	4 / 2.44 1.64 [0.45 - 4.20]	4 / 1.53 2.62 [0.71 - 6.71]	0 / 1.12 0.00 [0.00 - 3.29]	2 / 0.82 2.45 [0.30 - 8.86]	0 / 1.14 0.00 [0.00 - 3.24]	23 / 22.39 1.03 [0.65 - 1.54]
Ovary (183) Test for trend : Chi2= 0.95 p=0.330	12 / 6.12 1.96 [1.01 - 3.43]	2 / 2.83 0.71 [0.09 - 2.55]	0 / 1.52 0.00 [0.00 - 2.43]	2 / 1.05 1.90 [0.23 - 6.85]	1 / 0.89 1.13 [0.03 - 6.29]	1 / 0.75 1.34 [0.03 - 7.47]	1 / 1.26 0.80 [0.02 - 4.44]	19 / 14.41 1.32 [0.79 - 2.06]
Other female genital organs (184) Test for trend : Chi2= 0.71 p=0.398	1 / 0.59 1.69 [0.04 - 9.40]	1 / 0.28 3.54 [0.09 - 19.7]	0 / 0.15 0.00 [0.00 - 24.8]	0 / 0.11 0.00 [0.00 - 33.9]	0 / 0.09 0.00 [0.00 - 40.7]	0 / 0.08 0.00 [0.00 - 45.7]	0 / 0.12 0.00 [0.00 - 29.6]	2 / 1.43 1.40 [0.17 - 5.06]
Prostate (185)	0 / 0.00 [. - .]	0 / 0.00 [. - .]	0 / 0.00 [. - .]	0 / 0.00 [. - .]	0 / 0.00 [. - .]	0 / 0.00 [. - .]	0 / 0.00 [. - .]	0 / 0.00 [. - .]
Testis (186)	0 / 0.00 [. - .]	0 / 0.00 [. - .]	0 / 0.00 [. - .]	0 / 0.00 [. - .]	0 / 0.00 [. - .]	0 / 0.00 [. - .]	0 / 0.00 [. - .]	0 / 0.00 [. - .]
Bladder (188) Test for trend : Chi2= 0.24 p=0.628	4 / 2.27 1.76 [0.48 - 4.52]	1 / 1.12 0.89 [0.02 - 4.98]	2 / 0.60 3.32 [0.40 - 12.0]	1 / 0.44 2.25 [0.06 - 12.6]	0 / 0.40 0.00 [0.00 - 9.18]	0 / 0.38 0.00 [0.00 - 9.65]	1 / 0.66 1.51 [0.04 - 8.40]	9 / 5.88 1.53 [0.70 - 2.91]
Bladder (188) Test for trend : Chi2= 0.06 p=0.814	3 / 4.31 0.70 [0.14 - 2.03]	1 / 1.75 0.57 [0.01 - 3.18]	0 / 0.81 0.00 [0.00 - 4.56]	0 / 0.50 0.00 [0.00 - 7.31]	1 / 0.36 2.76 [0.07 - 15.4]	0 / 0.27 0.00 [0.00 - 13.9]	0 / 0.36 0.00 [0.00 - 10.1]	5 / 8.37 0.60 [0.19 - 1.39]
Non-Hodgkins lymphoma (200,202) Test for trend : Chi2= 0.80 p=0.373	2 / 1.90 1.05 [0.13 - 3.80]	1 / 0.87 1.15 [0.03 - 6.43]	1 / 0.44 2.27 [0.06 - 12.6]	0 / 0.32 0.00 [0.00 - 11.7]	0 / 0.27 0.00 [0.00 - 13.7]	0 / 0.24 0.00 [0.00 - 15.5]	0 / 0.37 0.00 [0.00 - 9.90]	4 / 4.41 0.91 [0.25 - 2.32]

Table 4.3.3
Incidence from selected cancer sites by duration of employment

Finland

duration of employment(years)	1-4	5-9	10-14	15-19	20-24	25-29	> 30	Total
ALL MALIGNANT NEOPLASMS (140-208) Test for trend : Chi2= 15.26 p=0.000	108 / 173.75 0.62 [0.51 - 0.75]	91 / 146.51 0.62 [0.50 - 0.76]	93 / 150.32 0.62 [0.50 - 0.76]	123 / 202.12 0.61 [0.51 - 0.73]	144 / 204.54 0.70 [0.59 - 0.83]	116 / 177.79 0.65 [0.54 - 0.78]	357 / 411.90 0.87 [0.78 - 0.96]	1032 / 1466.94 0.70 [0.66 - 0.75]
Oral cavity & pharynx (140-149) Test for trend : Chi2= 6.76 p=0.009	2 / 4.86 0.41 [0.05 - 1.49]	1 / 4.29 0.23 [0.01 - 1.30]	3 / 4.52 0.66 [0.14 - 1.94]	1 / 5.73 0.17 [0.00 - 0.97]	1 / 5.61 0.18 [0.00 - 0.99]	3 / 4.95 0.61 [0.13 - 1.77]	15 / 11.02 1.36 [0.76 - 2.24]	26 / 40.98 0.63 [0.41 - 0.93]
Oesophagus (150) Test for trend : Chi2= 0.05 p=0.815	1 / 1.94 0.52 [0.01 - 2.87]	1 / 1.80 0.56 [0.01 - 3.09]	0 / 2.00 0.00 [0.00 - 1.84]	2 / 2.95 0.68 [0.08 - 2.45]	3 / 3.02 0.99 [0.20 - 2.90]	1 / 2.54 0.39 [0.01 - 2.20]	2 / 6.24 0.32 [0.04 - 1.16]	10 / 20.49 0.49 [0.23 - 0.90]
Oesophagus (150) Test for trend : Chi2= 1.52 p=0.218	1 / 0.59 1.69 [0.04 - 9.40]	1 / 0.49 2.03 [0.05 - 11.3]	0 / 0.49 0.00 [0.00 - 7.59]	0 / 0.59 0.00 [0.00 - 6.30]	1 / 0.60 1.67 [0.04 - 9.32]	0 / 0.54 0.00 [0.00 - 6.79]	5 / 1.19 4.20 [1.36 - 9.80]	8 / 4.49 1.78 [0.77 - 3.51]
Oesophagus (150) Test for trend : Chi2= 8.77 p=0.003	6 / 12.26 0.49 [0.18 - 1.07]	6 / 10.44 0.57 [0.21 - 1.25]	6 / 10.68 0.56 [0.21 - 1.22]	8 / 14.92 0.54 [0.23 - 1.06]	14 / 15.32 0.91 [0.50 - 1.53]	13 / 13.08 0.99 [0.53 - 1.70]	36 / 30.54 1.18 [0.83 - 1.63]	89 / 107.24 0.83 [0.67 - 1.02]
Larynx (161) Test for trend : Chi2= 0.14 p=0.711	0 / 2.33 0.00 [0.00 - 1.58]	0 / 2.08 0.00 [0.00 - 1.77]	3 / 2.34 1.28 [0.26 - 3.75]	5 / 2.92 1.71 [0.56 - 4.00]	3 / 2.97 1.01 [0.21 - 2.95]	2 / 2.77 0.72 [0.09 - 2.61]	3 / 6.12 0.49 [0.10 - 1.43]	16 / 21.53 0.74 [0.42 - 1.21]
Lung (162) Test for trend : Chi2= 0.01 p=0.927	21 / 26.14 0.80 [0.50 - 1.23]	18 / 22.34 0.81 [0.48 - 1.27]	16 / 25.64 0.62 [0.36 - 1.01]	27 / 36.12 0.75 [0.49 - 1.09]	40 / 38.20 1.05 [0.75 - 1.43]	28 / 36.81 0.76 [0.51 - 1.10]	67 / 90.59 0.74 [0.57 - 0.94]	217 / 275.84 0.79 [0.69 - 0.90]
Cervix uteri (180) Test for trend : Chi2= 0.00 p=0.992	3 / 2.96 1.01 [0.21 - 2.96]	2 / 2.72 0.74 [0.09 - 2.66]	1 / 2.26 0.44 [0.01 - 2.47]	3 / 2.29 1.31 [0.27 - 3.83]	3 / 2.19 1.37 [0.28 - 4.00]	0 / 1.32 0.00 [0.00 - 2.79]	2 / 2.06 0.97 [0.12 - 3.51]	14 / 15.80 0.89 [0.48 - 1.49]
Ovary (183) Test for trend : Chi2= 2.35 p=0.125	1 / 3.12 0.32 [0.01 - 1.79]	1 / 2.62 0.38 [0.01 - 2.12]	1 / 2.33 0.43 [0.01 - 2.39]	2 / 2.55 0.78 [0.09 - 2.83]	3 / 2.50 1.20 [0.25 - 3.51]	4 / 1.67 2.40 [0.65 - 6.14]	2 / 3.26 0.61 [0.07 - 2.22]	14 / 18.05 0.78 [0.42 - 1.30]
Other female genital organs (184) Test for trend : Chi2= 0.00 p=0.973	1 / 0.29 3.45 [0.09 - 19.2]	0 / 0.26 0.00 [0.00 - 14.1]	1 / 0.25 4.07 [0.10 - 22.7]	1 / 0.32 3.11 [0.08 - 17.3]	2 / 0.32 6.25 [0.76 - 22.6]	0 / 0.19 0.00 [0.00 - 19.5]	1 / 0.45 2.23 [0.06 - 12.4]	6 / 2.08 2.89 [1.06 - 6.29]
Prostate (185) Test for trend : Chi2= 3.23 p=0.072	9 / 10.19 0.88 [0.40 - 1.68]	3 / 7.61 0.39 [0.08 - 1.15]	11 / 9.58 1.15 [0.57 - 2.06]	8 / 18.08 0.44 [0.19 - 0.87]	11 / 18.70 0.59 [0.29 - 1.05]	14 / 17.52 0.80 [0.44 - 1.34]	50 / 43.30 1.15 [0.86 - 1.52]	106 / 124.98 0.85 [0.69 - 1.03]
Testis (186) Test for trend : Chi2= 0.37 p=0.544	2 / 1.26 1.59 [0.19 - 5.73]	1 / 1.16 0.86 [0.02 - 4.82]	3 / 0.90 3.34 [0.69 - 9.75]	1 / 0.66 1.51 [0.04 - 8.44]	1 / 0.45 2.20 [0.06 - 12.3]	0 / 0.33 0.00 [0.00 - 11.0]	0 / 0.49 0.00 [0.00 - 7.53]	8 / 5.25 1.52 [0.66 - 3.00]
Bladder (188) Test for trend : Chi2= 0.16 p=0.692	4 / 5.18 0.77 [0.21 - 1.98]	6 / 4.24 1.42 [0.52 - 3.08]	4 / 4.62 0.87 [0.24 - 2.22]	7 / 6.97 1.00 [0.40 - 2.07]	7 / 7.23 0.97 [0.39 - 1.99]	3 / 6.83 0.44 [0.09 - 1.28]	21 / 16.51 1.27 [0.79 - 1.94]	52 / 51.58 1.01 [0.75 - 1.32]
Bladder (188) Test for trend : Chi2= 0.41 p=0.524	5 / 4.55 1.10 [0.36 - 2.57]	5 / 3.72 1.34 [0.44 - 3.14]	2 / 3.29 0.61 [0.07 - 2.20]	4 / 3.63 1.10 [0.30 - 2.82]	6 / 3.43 1.75 [0.64 - 3.81]	6 / 3.01 1.99 [0.73 - 4.34]	7 / 5.99 1.17 [0.47 - 2.41]	35 / 27.62 1.27 [0.88 - 1.76]
Non-Hodgkins lymphoma (200,202) Test for trend : Chi2= 0.58 p=0.446	2 / 4.86 0.41 [0.05 - 1.49]	2 / 3.96 0.51 [0.06 - 1.82]	1 / 3.69 0.27 [0.01 - 1.51]	3 / 4.55 0.66 [0.14 - 1.93]	2 / 4.50 0.44 [0.05 - 1.60]	1 / 4.04 0.25 [0.01 - 1.38]	7 / 9.06 0.77 [0.31 - 1.59]	18 / 34.67 0.52 [0.31 - 0.82]

Table 4.3.4
Incidence from selected cancer sites by duration of employment

New Zealand

duration of employment(years)	1-4	5-9	10-14	15-19	20-24	25-29	> 30	Total
ALL MALIGNANT NEOPLASMS (140-208) Test for trend : Chi2= 0.75 p=0.388	17 / 28.38 0.60 [0.35 - 0.96]	28 / 29.50 0.95 [0.63 - 1.37]	34 / 36.62 0.93 [0.64 - 1.30]	30 / 31.38 0.96 [0.65 - 1.36]	24 / 31.22 0.77 [0.49 - 1.14]	26 / 33.46 0.78 [0.51 - 1.14]	16 / 12.85 1.25 [0.71 - 2.02]	175 / 203.41 0.86 [0.74 - 1.00]
Oral cavity & pharynx (140-149) Test for trend : Chi2= 1.20 p=0.273	0 / 1.10 0.00 [0.00 - 3.34]	2 / 1.23 1.63 [0.20 - 5.87]	1 / 1.47 0.68 [0.02 - 3.79]	1 / 1.27 0.79 [0.02 - 4.39]	0 / 1.25 0.00 [0.00 - 2.94]	0 / 1.27 0.00 [0.00 - 2.90]	0 / 0.44 0.00 [0.00 - 8.35]	4 / 8.04 0.50 [0.14 - 1.27]
Oesophagus (150) Test for trend : Chi2= 0.08 p=0.782	0 / 0.25 0.00 [0.00 - 14.5]	1 / 0.36 2.79 [0.07 - 15.5]	0 / 0.59 0.00 [0.00 - 6.30]	2 / 0.56 3.59 [0.43 - 13.0]	0 / 0.61 0.00 [0.00 - 6.03]	1 / 0.71 1.41 [0.04 - 7.85]	0 / 0.28 0.00 [0.00 - 13.1]	4 / 3.36 1.19 [0.32 - 3.05]
Oesophagus (150)	0 / 0.08 0.00 [0.00 - 49.0]	0 / 0.09 0.00 [0.00 - 42.6]	0 / 0.11 0.00 [0.00 - 32.9]	0 / 0.10 0.00 [0.00 - 38.1]	0 / 0.09 0.00 [0.00 - 40.0]	0 / 0.09 0.00 [0.00 - 39.5]	0 / 0.04 0.00 [0.00 - 92.2]	0 / 0.60 0.00 [0.00 - 6.18]
Oesophagus (150) Test for trend : Chi2= 0.44 p=0.506	0 / 3.54 0.00 [0.00 - 1.04]	5 / 4.46 1.12 [0.36 - 2.61]	5 / 6.47 0.77 [0.25 - 1.80]	3 / 5.91 0.51 [0.10 - 1.48]	4 / 6.25 0.64 [0.17 - 1.64]	3 / 6.76 0.44 [0.09 - 1.30]	4 / 2.68 1.49 [0.41 - 3.82]	24 / 36.07 0.67 [0.43 - 0.99]
Larynx (161) Test for trend : Chi2= 1.04 p=0.307	0 / 0.23 0.00 [0.00 - 15.9]	0 / 0.32 0.00 [0.00 - 11.4]	0 / 0.52 0.00 [0.00 - 7.10]	0 / 0.50 0.00 [0.00 - 7.43]	0 / 0.55 0.00 [0.00 - 6.72]	1 / 0.63 1.59 [0.04 - 8.88]	0 / 0.25 0.00 [0.00 - 15.0]	1 / 3.00 0.33 [0.01 - 1.86]
Lung (162) Test for trend : Chi2= 1.92 p=0.165	3 / 2.12 1.42 [0.29 - 4.14]	3 / 3.03 0.99 [0.20 - 2.89]	14 / 5.21 2.69 [1.47 - 4.51]	4 / 5.07 0.79 [0.22 - 2.02]	10 / 5.59 1.79 [0.86 - 3.29]	5 / 6.71 0.75 [0.24 - 1.74]	2 / 2.56 0.78 [0.09 - 2.83]	41 / 30.28 1.35 [0.97 - 1.84]
Cervix uteri (180) Test for trend : Chi2= 1.24 p=0.265	0 / 0.56 0.00 [0.00 - 6.57]	1 / 0.39 2.57 [0.06 - 14.3]	1 / 0.24 4.21 [0.11 - 23.4]	1 / 0.12 8.22 [0.21 - 45.8]	0 / 0.07 0.00 [0.00 - 52.5]	0 / 0.02 0.00 [0.00 - 0186]	0 / 0.01 0.00 [0.00 - 0647]	3 / 1.40 2.14 [0.44 - 6.24]
Ovary (183) Test for trend : Chi2= 0.12 p=0.731	0 / 0.28 0.00 [0.00 - 13.3]	0 / 0.21 0.00 [0.00 - 17.3]	1 / 0.17 5.72 [0.14 - 31.9]	0 / 0.11 0.00 [0.00 - 34.1]	0 / 0.07 0.00 [0.00 - 51.4]	0 / 0.02 0.00 [0.00 - 0169]	0 / 0.01 0.00 [0.00 - 0658]	1 / 0.87 1.15 [0.03 - 6.38]
Other female genital organs (184)	0 / 0.05 0.00 [0.00 - 80.9]	0 / 0.03 0.00 [0.00 - 0107]	0 / 0.03 0.00 [0.00 - 0137]	0 / 0.02 0.00 [0.00 - 0218]	0 / 0.01 0.00 [0.00 - 0320]	0 / 0.00 0.00 [0.00 - 0962]	0 / 0.00 0.00 [0.00 - 2880]	0 / 0.14 0.00 [0.00 - 26.2]
Prostate (185) Test for trend : Chi2= 0.00 p=0.944	0 / 0.51 0.00 [0.00 - 7.21]	3 / 0.91 3.30 [0.68 - 9.66]	1 / 2.04 0.49 [0.01 - 2.74]	2 / 2.07 0.97 [0.12 - 3.50]	1 / 2.28 0.44 [0.01 - 2.45]	2 / 3.11 0.64 [0.08 - 2.33]	3 / 1.18 2.53 [0.52 - 7.40]	12 / 12.09 0.99 [0.51 - 1.73]
Testis (186) Test for trend : Chi2= 0.33 p=0.567	1 / 2.66 0.38 [0.01 - 2.10]	3 / 2.12 1.41 [0.29 - 4.13]	1 / 1.44 0.69 [0.02 - 3.87]	0 / 0.79 0.00 [0.00 - 4.69]	0 / 0.42 0.00 [0.00 - 8.82]	0 / 0.21 0.00 [0.00 - 17.7]	0 / 0.06 0.00 [0.00 - 63.4]	5 / 7.70 0.65 [0.21 - 1.52]
Bladder (188) Test for trend : Chi2= 0.06 p=0.807	1 / 0.61 1.63 [0.04 - 9.08]	1 / 0.81 1.23 [0.03 - 6.86]	1 / 1.30 0.77 [0.02 - 4.30]	2 / 1.24 1.62 [0.20 - 5.85]	0 / 1.32 0.00 [0.00 - 2.80]	3 / 1.54 1.94 [0.40 - 5.68]	1 / 0.59 1.69 [0.04 - 9.44]	9 / 7.41 1.21 [0.56 - 2.31]
Bladder (188) Test for trend : Chi2= 0.07 p=0.789	2 / 5.22 0.38 [0.05 - 1.38]	1 / 4.72 0.21 [0.01 - 1.18]	1 / 4.54 0.22 [0.01 - 1.23]	1 / 3.35 0.30 [0.01 - 1.66]	2 / 2.85 0.70 [0.08 - 2.53]	1 / 2.44 0.41 [0.01 - 2.29]	0 / 0.94 0.00 [0.00 - 3.92]	8 / 24.05 0.33 [0.14 - 0.66]
Non-Hodgkins lymphoma (200,202) Test for trend : Chi2= 0.90 p=0.343	2 / 1.18 1.69 [0.20 - 6.10]	0 / 1.17 0.00 [0.00 - 3.16]	0 / 1.36 0.00 [0.00 - 2.70]	1 / 1.12 0.89 [0.02 - 4.95]	1 / 1.06 0.94 [0.02 - 5.23]	0 / 1.06 0.00 [0.00 - 3.49]	0 / 0.42 0.00 [0.00 - 8.84]	4 / 7.38 0.54 [0.15 - 1.39]

Table 4.3.4
Incidence from selected cancer sites by duration of employment

New Zealand
Women

duration of employment(years)	1-4	5-9	10-14	15-19	20-24	25-29	> 30	Total
ALL MALIGNANT NEOPLASMS (140-208) Test for trend : Chi2= 0.05 p=0.825	6 / 6.10 0.98 [0.36 - 2.14]	4 / 4.78 0.84 [0.23 - 2.14]	3 / 3.95 0.76 [0.16 - 2.22]	6 / 2.41 2.49 [0.91 - 5.41]	1 / 1.63 0.61 [0.02 - 3.42]	0 / 0.51 0.00 [0.00 - 7.17]	0 / 0.14 0.00 [0.00 - 26.2]	20 / 19.52 1.02 [0.63 - 1.58]
Oral cavity & pharynx (140-149)	0 / 0.07 0.00 [0.00 - 49.8]	0 / 0.06 0.00 [0.00 - 62.5]	0 / 0.05 0.00 [0.00 - 77.2]	0 / 0.03 0.00 [0.00 - 0119]	0 / 0.02 0.00 [0.00 - 0174]	0 / 0.01 0.00 [0.00 - 0547]	0 / 0.00 0.00 [0.00 - 2141]	0 / 0.24 0.00 [0.00 - 15.3]
Oesophagus (150)	0 / 0.02 0.00 [0.00 - 0221]	0 / 0.02 0.00 [0.00 - 0208]	0 / 0.02 0.00 [0.00 - 0184]	0 / 0.02 0.00 [0.00 - 0238]	0 / 0.01 0.00 [0.00 - 0320]	0 / 0.00 0.00 [0.00 - 0856]	0 / 0.00 0.00 [0.00 - 3095]	0 / 0.09 0.00 [0.00 - 42.4]
Oesophagus (150)	0 / 0.01 0.00 [0.00 - 0352]	0 / 0.01 0.00 [0.00 - 0436]	0 / 0.01 0.00 [0.00 - 0512]	0 / 0.00 0.00 [0.00 - 0791]	0 / 0.00 0.00 [0.00 - 1180]	0 / 0.00 0.00 [0.00 - 3334]	0 / 0.00 0.00 [0.00 - 11E3]	0 / 0.04 0.00 [0.00 - 0104]
Oesophagus (150)	0 / 0.55 0.00 [0.00 - 6.67]	0 / 0.54 0.00 [0.00 - 6.88]	0 / 0.53 0.00 [0.00 - 6.91]	0 / 0.37 0.00 [0.00 - 9.89]	0 / 0.26 0.00 [0.00 - 14.2]	0 / 0.08 0.00 [0.00 - 44.1]	0 / 0.02 0.00 [0.00 - 0168]	0 / 2.36 0.00 [0.00 - 1.56]
Larynx (161)	0 / 0.01 0.00 [0.00 - 0506]	0 / 0.01 0.00 [0.00 - 0532]	0 / 0.01 0.00 [0.00 - 0475]	0 / 0.01 0.00 [0.00 - 0682]	0 / 0.00 0.00 [0.00 - 0939]	0 / 0.00 0.00 [0.00 - 2629]	0 / 0.00 0.00 [0.00 - 01E4]	0 / 0.03 0.00 [0.00 - 0112]
Lung (162) Test for trend : Chi2= 0.48 p=0.491	0 / 0.19 0.00 [0.00 - 19.8]	0 / 0.19 0.00 [0.00 - 19.1]	0 / 0.21 0.00 [0.00 - 17.5]	1 / 0.15 6.46 [0.16 - 36.0]	0 / 0.11 0.00 [0.00 - 33.2]	0 / 0.04 0.00 [0.00 - 98.5]	0 / 0.01 0.00 [0.00 - 0347]	1 / 0.90 1.11 [0.03 - 6.16]
Cervix uteri (180) Test for trend : Chi2= 1.24 p=0.265	0 / 0.56 0.00 [0.00 - 6.57]	1 / 0.39 2.57 [0.06 - 14.3]	1 / 0.24 4.21 [0.11 - 23.4]	1 / 0.12 8.22 [0.21 - 45.8]	0 / 0.07 0.00 [0.00 - 52.5]	0 / 0.02 0.00 [0.00 - 0186]	0 / 0.01 0.00 [0.00 - 0647]	3 / 1.40 2.14 [0.44 - 6.24]
Ovary (183) Test for trend : Chi2= 0.12 p=0.731	0 / 0.28 0.00 [0.00 - 13.3]	0 / 0.21 0.00 [0.00 - 17.3]	1 / 0.17 5.72 [0.14 - 31.9]	0 / 0.11 0.00 [0.00 - 34.1]	0 / 0.07 0.00 [0.00 - 51.4]	0 / 0.02 0.00 [0.00 - 0169]	0 / 0.01 0.00 [0.00 - 0658]	1 / 0.87 1.15 [0.03 - 6.38]
Other female genital organs (184)	0 / 0.05 0.00 [0.00 - 80.9]	0 / 0.03 0.00 [0.00 - 0107]	0 / 0.03 0.00 [0.00 - 0137]	0 / 0.02 0.00 [0.00 - 0218]	0 / 0.01 0.00 [0.00 - 0320]	0 / 0.00 0.00 [0.00 - 0962]	0 / 0.00 0.00 [0.00 - 2880]	0 / 0.14 0.00 [0.00 - 26.2]
Prostate (185)	0 / 0.00 [. - .]	0 / 0.00 [. - .]	0 / 0.00 [. - .]	0 / 0.00 [. - .]	0 / 0.00 [. - .]	0 / 0.00 [. - .]	0 / 0.00 [. - .]	0 / 0.00 [. - .]
Testis (186)	0 / 0.00 [. - .]	0 / 0.00 [. - .]	0 / 0.00 [. - .]	0 / 0.00 [. - .]	0 / 0.00 [. - .]	0 / 0.00 [. - .]	0 / 0.00 [. - .]	0 / 0.00 [. - .]
Bladder (188) Test for trend : Chi2= 1.65 p=0.199	1 / 0.04 27.50 [0.69 - 0153]	0 / 0.04 0.00 [0.00 - 0104]	0 / 0.04 0.00 [0.00 - 95.7]	0 / 0.03 0.00 [0.00 - 0129]	0 / 0.02 0.00 [0.00 - 0177]	0 / 0.01 0.00 [0.00 - 0518]	0 / 0.00 0.00 [0.00 - 1851]	1 / 0.17 5.91 [0.15 - 32.9]
Bladder (188) Test for trend : Chi2= 0.80 p=0.371	1 / 1.18 0.85 [0.02 - 4.72]	0 / 0.74 0.00 [0.00 - 4.96]	0 / 0.49 0.00 [0.00 - 7.58]	0 / 0.25 0.00 [0.00 - 14.6]	0 / 0.16 0.00 [0.00 - 23.4]	0 / 0.05 0.00 [0.00 - 77.8]	0 / 0.01 0.00 [0.00 - 0279]	1 / 2.88 0.35 [0.01 - 1.93]
Non-Hodgkins lymphoma (200,202)	0 / 0.13 0.00 [0.00 - 28.6]	0 / 0.10 0.00 [0.00 - 37.4]	0 / 0.09 0.00 [0.00 - 42.9]	0 / 0.05 0.00 [0.00 - 68.4]	0 / 0.04 0.00 [0.00 - 96.6]	0 / 0.01 0.00 [0.00 - 0284]	0 / 0.00 0.00 [0.00 - 1016]	0 / 0.42 0.00 [0.00 - 8.74]

Table 4.3.5
Incidence from selected cancer sites by duration of employment

Norway
Women

duration of employment(years)	1-4	5-9	10-14	15-19	20-24	25-29	> 30	Total
ALL MALIGNANT NEOPLASMS (140-208) Test for trend : Chi2= 1.25 p=0.264	116 / 120.07 0.97 [0.80 - 1.16]	91 / 77.99 1.17 [0.94 - 1.43]	53 / 45.09 1.18 [0.88 - 1.54]	36 / 36.55 0.99 [0.69 - 1.36]	36 / 20.18 1.78 [1.25 - 2.47]	22 / 16.68 1.32 [0.83 - 2.00]	24 / 26.45 0.91 [0.58 - 1.35]	378 / 343.01 1.10 [0.99 - 1.22]
Oral cavity & pharynx (140-149) Test for trend : Chi2= 1.11 p=0.293	1 / 1.25 0.80 [0.02 - 4.46]	2 / 0.84 2.37 [0.29 - 8.58]	0 / 0.50 0.00 [0.00 - 7.35]	0 / 0.42 0.00 [0.00 - 8.83]	0 / 0.23 0.00 [0.00 - 16.2]	0 / 0.19 0.00 [0.00 - 19.2]	0 / 0.32 0.00 [0.00 - 11.5]	3 / 3.75 0.80 [0.17 - 2.34]
Oesophagus (150) Test for trend : Chi2= 0.00 p=0.968	0 / 0.31 0.00 [0.00 - 11.8]	0 / 0.24 0.00 [0.00 - 15.4]	1 / 0.15 6.48 [0.16 - 36.1]	0 / 0.14 0.00 [0.00 - 26.7]	0 / 0.07 0.00 [0.00 - 49.7]	0 / 0.07 0.00 [0.00 - 55.6]	0 / 0.12 0.00 [0.00 - 31.6]	1 / 1.10 0.91 [0.02 - 5.06]
Oesophagus (150) Test for trend : Chi2= 0.94 p=0.331	1 / 0.33 3.00 [0.07 - 16.7]	0 / 0.23 0.00 [0.00 - 15.9]	0 / 0.14 0.00 [0.00 - 26.5]	0 / 0.12 0.00 [0.00 - 31.5]	0 / 0.06 0.00 [0.00 - 57.0]	0 / 0.05 0.00 [0.00 - 67.1]	0 / 0.09 0.00 [0.00 - 39.1]	1 / 1.04 0.97 [0.02 - 5.38]
Oesophagus (150) Test for trend : Chi2= 0.16 p=0.687	10 / 12.40 0.81 [0.39 - 1.48]	11 / 9.05 1.22 [0.61 - 2.18]	10 / 5.55 1.80 [0.86 - 3.31]	4 / 4.85 0.83 [0.22 - 2.11]	5 / 2.65 1.88 [0.61 - 4.40]	1 / 2.31 0.43 [0.01 - 2.41]	2 / 4.00 0.50 [0.06 - 1.81]	43 / 40.81 1.05 [0.76 - 1.42]
Larynx (161) Test for trend : Chi2= 1.17 p=0.280	0 / 0.14 0.00 [0.00 - 26.3]	0 / 0.10 0.00 [0.00 - 38.3]	0 / 0.06 0.00 [0.00 - 62.4]	0 / 0.05 0.00 [0.00 - 75.7]	1 / 0.03 37.20 [0.93 - 0207]	0 / 0.02 0.00 [0.00 - 0161]	0 / 0.04 0.00 [0.00 - 92.5]	1 / 0.43 2.30 [0.06 - 12.8]
Lung (162) Test for trend : Chi2= 5.43 p=0.020	9 / 4.55 1.98 [0.90 - 3.75]	8 / 3.12 2.57 [1.11 - 5.06]	4 / 1.86 2.15 [0.59 - 5.50]	2 / 1.59 1.26 [0.15 - 4.55]	0 / 0.88 0.00 [0.00 - 4.21]	0 / 0.77 0.00 [0.00 - 4.81]	0 / 1.34 0.00 [0.00 - 2.76]	23 / 14.10 1.63 [1.03 - 2.45]
Cervix uteri (180) Test for trend : Chi2= 1.02 p=0.312	12 / 11.75 1.02 [0.53 - 1.78]	9 / 6.69 1.35 [0.62 - 2.56]	4 / 3.53 1.13 [0.31 - 2.90]	3 / 2.51 1.20 [0.25 - 3.49]	0 / 1.37 0.00 [0.00 - 2.69]	1 / 0.96 1.04 [0.03 - 5.79]	0 / 1.20 0.00 [0.00 - 3.08]	29 / 28.00 1.04 [0.69 - 1.49]
Ovary (183) Test for trend : Chi2= 1.04 p=0.307	12 / 8.78 1.37 [0.71 - 2.39]	9 / 5.57 1.62 [0.74 - 3.07]	3 / 3.16 0.95 [0.20 - 2.78]	2 / 2.47 0.81 [0.10 - 2.92]	5 / 1.38 3.63 [1.18 - 8.48]	3 / 1.12 2.68 [0.55 - 7.82]	3 / 1.74 1.73 [0.36 - 5.04]	37 / 24.21 1.53 [1.08 - 2.11]
Other female genital organs (184) Test for trend : Chi2= 0.66 p=0.417	1 / 0.68 1.47 [0.04 - 8.22]	1 / 0.48 2.09 [0.05 - 11.7]	1 / 0.28 3.60 [0.09 - 20.1]	0 / 0.24 0.00 [0.00 - 15.7]	0 / 0.14 0.00 [0.00 - 27.2]	0 / 0.12 0.00 [0.00 - 30.5]	0 / 0.20 0.00 [0.00 - 18.4]	3 / 2.13 1.41 [0.29 - 4.12]
Prostate (185)	0 / 0.00 [. - .]	0 / 0.00 [. - .]	0 / 0.00 [. - .]	0 / 0.00 [. - .]	0 / 0.00 [. - .]	0 / 0.00 [. - .]	0 / 0.00 [. - .]	0 / 0.00 [. - .]
Testis (186)	0 / 0.00 [. - .]	0 / 0.00 [. - .]	0 / 0.00 [. - .]	0 / 0.00 [. - .]	0 / 0.00 [. - .]	0 / 0.00 [. - .]	0 / 0.00 [. - .]	0 / 0.00 [. - .]
Bladder (188) Test for trend : Chi2= 1.96 p=0.161	4 / 1.82 2.20 [0.60 - 5.63]	0 / 1.37 0.00 [0.00 - 2.69]	0 / 0.86 0.00 [0.00 - 4.30]	0 / 0.76 0.00 [0.00 - 4.86]	1 / 0.42 2.36 [0.06 - 13.2]	0 / 0.37 0.00 [0.00 - 10.1]	0 / 0.65 0.00 [0.00 - 5.68]	5 / 6.24 0.80 [0.26 - 1.87]
Bladder (188) Test for trend : Chi2= 0.14 p=0.708	8 / 7.80 1.03 [0.44 - 2.02]	3 / 4.27 0.70 [0.14 - 2.05]	3 / 2.22 1.35 [0.28 - 3.96]	0 / 1.60 0.00 [0.00 - 2.31]	0 / 0.89 0.00 [0.00 - 4.15]	1 / 0.67 1.49 [0.04 - 8.28]	1 / 0.92 1.09 [0.03 - 6.07]	16 / 18.36 0.87 [0.50 - 1.41]
Non-Hodgkins lymphoma (200,202) Test for trend : Chi2= 0.75 p=0.385	2 / 2.90 0.69 [0.08 - 2.49]	4 / 1.86 2.15 [0.59 - 5.51]	0 / 1.07 0.00 [0.00 - 3.43]	0 / 0.89 0.00 [0.00 - 4.16]	1 / 0.48 2.08 [0.05 - 11.6]	0 / 0.41 0.00 [0.00 - 9.09]	0 / 0.67 0.00 [0.00 - 5.48]	7 / 8.28 0.85 [0.34 - 1.74]

Table 4.3.6
Incidence from selected cancer sites by duration of employment

Sweden
Men

duration of employment(years)	1-4	5-9	10-14	15-19	20-24	25-29	> 30	Total
ALL MALIGNANT NEOPLASMS (140-208) Test for trend : Chi2= 2.10 p=0.147	70 / 83.80 0.84 [0.65 - 1.06]	58 / 62.83 0.92 [0.70 - 1.19]	44 / 55.13 0.80 [0.58 - 1.07]	41 / 41.73 0.98 [0.71 - 1.33]	36 / 32.92 1.09 [0.77 - 1.51]	22 / 29.23 0.75 [0.47 - 1.14]	153 / 148.87 1.03 [0.87 - 1.20]	424 / 454.51 0.93 [0.85 - 1.03]
Oral cavity & pharynx (140-149) Test for trend : Chi2= 0.19 p=0.660	2 / 2.62 0.76 [0.09 - 2.75]	2 / 1.90 1.05 [0.13 - 3.80]	1 / 1.61 0.62 [0.02 - 3.47]	0 / 1.23 0.00 [0.00 - 3.01]	0 / 0.98 0.00 [0.00 - 3.77]	0 / 0.90 0.00 [0.00 - 4.12]	3 / 4.01 0.75 [0.15 - 2.18]	8 / 13.24 0.60 [0.26 - 1.19]
Oesophagus (150) Test for trend : Chi2= 4.02 p=0.045	1 / 0.97 1.03 [0.03 - 5.74]	2 / 0.77 2.60 [0.32 - 9.41]	0 / 0.70 0.00 [0.00 - 5.24]	0 / 0.54 0.00 [0.00 - 6.80]	0 / 0.44 0.00 [0.00 - 8.36]	0 / 0.41 0.00 [0.00 - 9.08]	0 / 2.03 0.00 [0.00 - 1.82]	3 / 5.86 0.51 [0.11 - 1.50]
Oesophagus (150) Test for trend : Chi2= 1.73 p=0.189	1 / 0.49 2.05 [0.05 - 11.4]	0 / 0.35 0.00 [0.00 - 10.4]	0 / 0.31 0.00 [0.00 - 12.1]	0 / 0.24 0.00 [0.00 - 15.6]	0 / 0.19 0.00 [0.00 - 19.7]	0 / 0.16 0.00 [0.00 - 23.2]	0 / 0.72 0.00 [0.00 - 5.13]	1 / 2.45 0.41 [0.01 - 2.28]
Oesophagus (150) Test for trend : Chi2= 0.05 p=0.824	9 / 9.31 0.97 [0.44 - 1.84]	9 / 7.28 1.24 [0.57 - 2.35]	8 / 6.55 1.22 [0.53 - 2.41]	12 / 5.00 2.40 [1.24 - 4.20]	2 / 3.97 0.50 [0.06 - 1.82]	3 / 3.61 0.83 [0.17 - 2.43]	24 / 18.78 1.28 [0.82 - 1.90]	67 / 54.49 1.23 [0.95 - 1.56]
Larynx (161) Test for trend : Chi2= 1.49 p=0.222	0 / 1.00 0.00 [0.00 - 3.69]	0 / 0.74 0.00 [0.00 - 4.97]	0 / 0.65 0.00 [0.00 - 5.70]	0 / 0.50 0.00 [0.00 - 7.37]	0 / 0.41 0.00 [0.00 - 9.10]	0 / 0.36 0.00 [0.00 - 10.3]	1 / 1.59 0.63 [0.02 - 3.51]	1 / 5.24 0.19 [0.00 - 1.06]
Lung (162) Test for trend : Chi2= 1.22 p=0.270	6 / 8.33 0.72 [0.26 - 1.57]	12 / 6.44 1.86 [0.96 - 3.26]	1 / 5.82 0.17 [0.00 - 0.96]	5 / 4.49 1.11 [0.36 - 2.60]	3 / 3.64 0.82 [0.17 - 2.41]	1 / 3.21 0.31 [0.01 - 1.74]	11 / 15.74 0.70 [0.35 - 1.25]	39 / 47.66 0.82 [0.58 - 1.12]
Cervix uteri (180)	0 / 0.00 [. - .]	0 / 0.00 [. - .]	0 / 0.00 [. - .]	0 / 0.00 [. - .]	0 / 0.00 [. - .]	0 / 0.00 [. - .]	0 / 0.00 [. - .]	0 / 0.00 [. - .]
Ovary (183)	0 / 0.00 [. - .]	0 / 0.00 [. - .]	0 / 0.00 [. - .]	0 / 0.00 [. - .]	0 / 0.00 [. - .]	0 / 0.00 [. - .]	0 / 0.00 [. - .]	0 / 0.00 [. - .]
Other female genital organs (184)	0 / 0.00 [. - .]	0 / 0.00 [. - .]	0 / 0.00 [. - .]	0 / 0.00 [. - .]	0 / 0.00 [. - .]	0 / 0.00 [. - .]	0 / 0.00 [. - .]	0 / 0.00 [. - .]
Prostate (185) Test for trend : Chi2= 1.83 p=0.177	9 / 11.33 0.79 [0.36 - 1.51]	6 / 10.40 0.58 [0.21 - 1.26]	11 / 10.38 1.06 [0.53 - 1.90]	4 / 7.88 0.51 [0.14 - 1.30]	5 / 6.24 0.80 [0.26 - 1.87]	3 / 5.51 0.54 [0.11 - 1.59]	39 / 35.01 1.11 [0.79 - 1.52]	77 / 86.74 0.89 [0.70 - 1.11]
Testis (186) Test for trend : Chi2= 1.44 p=0.230	2 / 2.83 0.71 [0.09 - 2.55]	0 / 1.52 0.00 [0.00 - 2.42]	1 / 0.89 1.13 [0.03 - 6.27]	0 / 0.51 0.00 [0.00 - 7.26]	1 / 0.29 3.50 [0.09 - 19.5]	1 / 0.17 5.85 [0.15 - 32.6]	0 / 0.29 0.00 [0.00 - 12.8]	5 / 6.50 0.77 [0.25 - 1.80]
Bladder (188) Test for trend : Chi2= 0.68 p=0.408	11 / 5.27 2.09 [1.04 - 3.73]	1 / 4.07 0.25 [0.01 - 1.37]	2 / 3.65 0.55 [0.07 - 1.98]	3 / 2.81 1.07 [0.22 - 3.12]	4 / 2.24 1.78 [0.49 - 4.57]	0 / 1.93 0.00 [0.00 - 1.91]	10 / 9.65 1.04 [0.50 - 1.91]	31 / 29.62 1.05 [0.71 - 1.49]
Bladder (188) Test for trend : Chi2= 3.09 p=0.079	3 / 4.36 0.69 [0.14 - 2.01]	0 / 2.67 0.00 [0.00 - 1.38]	0 / 1.99 0.00 [0.00 - 1.86]	1 / 1.51 0.66 [0.02 - 3.69]	1 / 1.16 0.86 [0.02 - 4.81]	1 / 0.90 1.11 [0.03 - 6.18]	4 / 2.62 1.52 [0.42 - 3.90]	10 / 15.21 0.66 [0.32 - 1.21]
Non-Hodgkins lymphoma (200,202) Test for trend : Chi2= 0.12 p=0.734	4 / 3.41 1.17 [0.32 - 3.00]	4 / 2.28 1.75 [0.48 - 4.49]	1 / 1.86 0.54 [0.01 - 3.00]	2 / 1.42 1.41 [0.17 - 5.08]	3 / 1.12 2.68 [0.55 - 7.82]	0 / 0.93 0.00 [0.00 - 3.95]	4 / 3.83 1.04 [0.28 - 2.68]	18 / 14.85 1.21 [0.72 - 1.92]

Table 4.3.6
Incidence from selected cancer sites by duration of employment

Sweden
Women

duration of employment(years)	1-4	5-9	10-14	15-19	20-24	25-29	> 30	Total
ALL MALIGNANT NEOPLASMS (140-208) Test for trend : Chi2= 1.12 p=0.289	15 / 12.73 1.18 [0.66 - 1.94]	23 / 13.68 1.68 [1.07 - 2.52]	7 / 11.89 0.59 [0.24 - 1.21]	15 / 9.40 1.60 [0.89 - 2.63]	6 / 7.31 0.82 [0.30 - 1.79]	7 / 4.74 1.48 [0.59 - 3.04]	2 / 4.44 0.45 [0.05 - 1.63]	75 / 64.19 1.17 [0.92 - 1.46]
Oral cavity & pharynx (140-149)	0 / 0.13 0.00 [0.00 - 27.4]	0 / 0.15 0.00 [0.00 - 24.2]	0 / 0.13 0.00 [0.00 - 27.6]	0 / 0.11 0.00 [0.00 - 35.1]	0 / 0.08 0.00 [0.00 - 44.6]	0 / 0.05 0.00 [0.00 - 68.9]	0 / 0.05 0.00 [0.00 - 72.8]	0 / 0.71 0.00 [0.00 - 5.17]
Oesophagus (150)	0 / 0.03 0.00 [0.00 - 0116]	0 / 0.05 0.00 [0.00 - 76.8]	0 / 0.04 0.00 [0.00 - 82.3]	0 / 0.04 0.00 [0.00 - 98.1]	0 / 0.03 0.00 [0.00 - 0114]	0 / 0.02 0.00 [0.00 - 0179]	0 / 0.02 0.00 [0.00 - 0170]	0 / 0.24 0.00 [0.00 - 15.6]
Oesophagus (150)	0 / 0.04 0.00 [0.00 - 88.7]	0 / 0.05 0.00 [0.00 - 71.7]	0 / 0.05 0.00 [0.00 - 81.0]	0 / 0.04 0.00 [0.00 - 96.6]	0 / 0.03 0.00 [0.00 - 0119]	0 / 0.02 0.00 [0.00 - 0180]	0 / 0.02 0.00 [0.00 - 0184]	0 / 0.25 0.00 [0.00 - 14.9]
Oesophagus (150) Test for trend : Chi2= 1.32 p=0.251	0 / 0.99 0.00 [0.00 - 3.72]	1 / 1.32 0.76 [0.02 - 4.22]	0 / 1.17 0.00 [0.00 - 3.15]	3 / 0.98 3.07 [0.63 - 8.98]	1 / 0.82 1.22 [0.03 - 6.79]	0 / 0.53 0.00 [0.00 - 6.98]	1 / 0.53 1.90 [0.05 - 10.6]	6 / 6.34 0.95 [0.35 - 2.06]
Larynx (161)	0 / 0.02 0.00 [0.00 - 0191]	0 / 0.02 0.00 [0.00 - 0178]	0 / 0.02 0.00 [0.00 - 0202]	0 / 0.02 0.00 [0.00 - 0244]	0 / 0.01 0.00 [0.00 - 0340]	0 / 0.01 0.00 [0.00 - 0487]	0 / 0.01 0.00 [0.00 - 0527]	0 / 0.10 0.00 [0.00 - 37.3]
Lung (162) Test for trend : Chi2= 1.29 p=0.255	0 / 0.41 0.00 [0.00 - 9.05]	1 / 0.48 2.08 [0.05 - 11.6]	0 / 0.44 0.00 [0.00 - 8.34]	0 / 0.38 0.00 [0.00 - 9.61]	2 / 0.30 6.74 [0.82 - 24.4]	1 / 0.20 4.97 [0.12 - 27.7]	0 / 0.20 0.00 [0.00 - 18.4]	4 / 2.41 1.66 [0.45 - 4.25]
Cervix uteri (180) Test for trend : Chi2= 2.59 p=0.108	5 / 1.05 4.75 [1.54 - 11.1]	9 / 0.83 10.90 [4.98 - 20.7]	3 / 0.65 4.64 [0.96 - 13.6]	2 / 0.43 4.69 [0.57 - 16.9]	0 / 0.28 0.00 [0.00 - 13.1]	0 / 0.16 0.00 [0.00 - 22.9]	0 / 0.12 0.00 [0.00 - 31.9]	19 / 3.51 5.42 [3.26 - 8.46]
Ovary (183) Test for trend : Chi2= 0.12 p=0.726	1 / 0.93 1.08 [0.03 - 5.99]	0 / 0.96 0.00 [0.00 - 3.85]	0 / 0.83 0.00 [0.00 - 4.44]	2 / 0.64 3.13 [0.38 - 11.3]	1 / 0.47 2.12 [0.05 - 11.8]	0 / 0.31 0.00 [0.00 - 11.8]	0 / 0.28 0.00 [0.00 - 13.2]	4 / 4.42 0.90 [0.25 - 2.32]
Other female genital organs (184) Test for trend : Chi2= 0.07 p=0.790	0 / 0.06 0.00 [0.00 - 61.2]	0 / 0.08 0.00 [0.00 - 47.4]	0 / 0.07 0.00 [0.00 - 55.2]	1 / 0.06 17.20 [0.43 - 95.8]	0 / 0.05 0.00 [0.00 - 75.5]	0 / 0.03 0.00 [0.00 - 0116]	0 / 0.03 0.00 [0.00 - 0107]	1 / 0.38 2.64 [0.07 - 14.7]
Prostate (185)	0 / 0.00 [. - .]	0 / 0.00 [. - .]	0 / 0.00 [. - .]	0 / 0.00 [. - .]	0 / 0.00 [. - .]	0 / 0.00 [. - .]	0 / 0.00 [. - .]	0 / 0.00 [. - .]
Testis (186)	0 / 0.00 [. - .]	0 / 0.00 [. - .]	0 / 0.00 [. - .]	0 / 0.00 [. - .]	0 / 0.00 [. - .]	0 / 0.00 [. - .]	0 / 0.00 [. - .]	0 / 0.00 [. - .]
Bladder (188) Test for trend : Chi2= 0.07 p=0.793	0 / 0.18 0.00 [0.00 - 20.9]	0 / 0.24 0.00 [0.00 - 15.2]	0 / 0.22 0.00 [0.00 - 17.1]	1 / 0.18 5.41 [0.14 - 30.2]	0 / 0.16 0.00 [0.00 - 23.5]	0 / 0.10 0.00 [0.00 - 36.4]	0 / 0.10 0.00 [0.00 - 36.5]	1 / 1.18 0.85 [0.02 - 4.73]
Bladder (188) Test for trend : Chi2= 2.66 p=0.103	0 / 0.64 0.00 [0.00 - 5.81]	0 / 0.52 0.00 [0.00 - 7.15]	1 / 0.41 2.42 [0.06 - 13.5]	0 / 0.31 0.00 [0.00 - 12.0]	0 / 0.22 0.00 [0.00 - 16.8]	0 / 0.14 0.00 [0.00 - 26.6]	1 / 0.12 8.06 [0.20 - 44.9]	2 / 2.36 0.85 [0.10 - 3.07]
Non-Hodgkins lymphoma (200,202) Test for trend : Chi2= 0.01 p=0.922	0 / 0.27 0.00 [0.00 - 13.7]	0 / 0.30 0.00 [0.00 - 12.2]	1 / 0.26 3.78 [0.09 - 21.1]	1 / 0.22 4.50 [0.11 - 25.1]	0 / 0.18 0.00 [0.00 - 20.6]	0 / 0.12 0.00 [0.00 - 31.9]	0 / 0.12 0.00 [0.00 - 32.0]	2 / 1.47 1.36 [0.16 - 4.92]

Table 4.4.1
Incidence from selected cancer sites

TOTAL COHORT

Ever exposed to ACID (inorganic acid mist)

Cancer sites (ICD 9th.revision)	Observed	Expected	SIR	95% Conf.Interval
ALL MALIGNANT NEOPLASMS (140-208)	1365	1516.7	0.90	[0.85 - 0.95]
Buccal Pharynx (140-149)	39	42.02	0.93	[0.66 - 1.27]
Oesophagus (150)	17	16.47	1.03	[0.60 - 1.65]
Stomach (151)	92	93.98	0.98	[0.79 - 1.20]
Small intestine (152)	2	4.73	0.42	[0.05 - 1.53]
Large intestine and rectum(153-154)	158	187.34	0.84	[0.72 - 0.99]
Liver (155)	10	13.39	0.75	[0.36 - 1.37]
Pancreas (157)	51	47.36	1.08	[0.80 - 1.42]
Larynx (161)	18	19.22	0.94	[0.56 - 1.48]
Lung (162)	215	202.65	1.06	[0.92 - 1.21]
Bone (170)	1	3.99	0.25	[0.01 - 1.40]
Melanoma of skin (172)	42	55.93	0.75	[0.54 - 1.02]
Breast (174-175)	73	73.18	1.00	[0.78 - 1.25]
Cervix uteri (180)	24	21.16	1.13	[0.73 - 1.69]
Ovary (183)	27	17.95	1.50	[0.99 - 2.19]
Uterus (179,181-182)	8	16.37	0.49	[0.21 - 0.96]
Other female genital organs (184)	4	1.57	2.55	[0.69 - 6.52]
Prostate (185)	135	167.46	0.81	[0.68 - 0.95]
Testis (186)	17	25.38	0.67	[0.39 - 1.07]
Bladder (188)	92	90.38	1.02	[0.82 - 1.25]
Kidney (189)	34	50.79	0.67	[0.46 - 0.94]
Brain (191-192)	34	44.32	0.77	[0.53 - 1.07]
Thyroid (193)	3	11.91	0.25	[0.05 - 0.74]
Non-Hodgkins lymphoma (200,202)	30	41.36	0.73	[0.49 - 1.04]
Hodgkins disease (201)	15	13.64	1.10	[0.62 - 1.81]
Leukemia (204-208)	26	35.93	0.72	[0.47 - 1.06]
Other malignant neoplasms	198	220.18	0.90	[0.78 - 1.03]
Non malignant sites	69			

Table 4.4.2
Incidence from selected cancer sites

TOTAL COHORT

Ever exposed to ACID (inorganic acid mist)

Men

Cancer sites (ICD 9th.revision)	Observed	Expected	SIR	95% Conf.Interval
ALL MALIGNANT NEOPLASMS (140-208)	1095	1242.2	0.88	[0.83 - 0.94]
Buccal Pharynx (140-149)	37	39.01	0.95	[0.67 - 1.31]
Oesophagus (150)	15	15.39	0.97	[0.55 - 1.61]
Stomach (151)	77	83.85	0.92	[0.72 - 1.15]
Small intestine (152)	2	3.97	0.50	[0.06 - 1.82]
Large intestine and rectum(153-154)	134	157.17	0.85	[0.71 - 1.01]
Liver (155)	8	11.93	0.67	[0.29 - 1.32]
Pancreas (157)	43	40.83	1.05	[0.76 - 1.42]
Larynx (161)	15	18.73	0.80	[0.45 - 1.32]
Lung (162)	201	190.4	1.06	[0.91 - 1.21]
Bone (170)	0	3.49	0.00	[0.00 - 1.06]
Melanoma of skin (172)	35	44.19	0.79	[0.55 - 1.10]
Breast (174-175)	3	1.94	1.55	[0.32 - 4.53]
Cervix uteri (180)	0	-	-	-
Ovary (183)	0	-	-	-
Uterus (179,181-182)	0	-	-	-
Other female genital organs (184)	0	-	-	-
Prostate (185)	135	167.46	0.81	[0.68 - 0.95]
Testis (186)	17	25.38	0.67	[0.39 - 1.07]
Bladder (188)	86	85.37	1.01	[0.81 - 1.24]
Kidney (189)	28	44.91	0.62	[0.41 - 0.90]
Brain (191-192)	27	36.92	0.73	[0.48 - 1.06]
Thyroid (193)	3	7.05	0.43	[0.09 - 1.24]
Non-Hodgkins lymphoma (200,202)	26	35.3	0.74	[0.48 - 1.08]
Hodgkins disease (201)	14	11.93	1.17	[0.64 - 1.97]
Leukemia (204-208)	23	31.29	0.74	[0.47 - 1.10]
Other malignant neoplasms	166	187.65	0.88	[0.76 - 1.03]
Non malignant sites	58			

TOTAL COHORT

Ever exposed to ACID (inorganic acid mist)

Women

Cancer sites (ICD 9th.revision)	Observed	Expected	SIR	95% Conf.Interval
ALL MALIGNANT NEOPLASMS (140-208)	270	274.5	0.98	[0.87 - 1.11]
Buccal Pharynx (140-149)	2	3.01	0.66	[0.08 - 2.40]
Oesophagus (150)	2	1.08	1.85	[0.22 - 6.68]
Stomach (151)	15	10.12	1.48	[0.83 - 2.44]
Small intestine (152)	0	0.77	0.00	[0.00 - 4.82]
Large intestine and rectum(153-154)	24	30.17	0.80	[0.51 - 1.18]
Liver (155)	2	1.46	1.37	[0.17 - 4.97]
Pancreas (157)	8	6.53	1.22	[0.53 - 2.41]
Larynx (161)	3	0.49	6.17	[1.27 - 18.0]
Lung (162)	14	12.25	1.14	[0.62 - 1.92]
Bone (170)	1	0.51	1.98	[0.05 - 11.0]
Melanoma of skin (172)	7	11.74	0.60	[0.24 - 1.23]
Breast (174-175)	70	71.24	0.98	[0.77 - 1.24]
Cervix uteri (180)	24	21.16	1.13	[0.73 - 1.69]
Ovary (183)	27	17.95	1.50	[0.99 - 2.19]
Uterus (179,181-182)	8	16.37	0.49	[0.21 - 0.96]
Other female genital organs (184)	4	1.57	2.55	[0.69 - 6.52]
Prostate (185)	0	-	-	-
Testis (186)	0	-	-	-
Bladder (188)	6	5.01	1.20	[0.44 - 2.61]
Kidney (189)	6	5.89	1.02	[0.37 - 2.22]
Brain (191-192)	7	7.4	0.95	[0.38 - 1.95]
Thyroid (193)	0	4.86	0.00	[0.00 - 0.76]
Non-Hodgkins lymphoma (200,202)	4	6.06	0.66	[0.18 - 1.69]
Hodgkins disease (201)	1	1.7	0.59	[0.01 - 3.27]
Leukemia (204-208)	3	4.64	0.65	[0.13 - 1.89]
Other malignant neoplasms	32	32.52	0.98	[0.67 - 1.39]
Non malignant sites	11			

Table 4.4.3
Incidence from selected cancer sites

TOTAL COHORT
Ever exposed to ASB (asbestos)

Cancer sites (ICD 9th.revision)	Observed	Expected	SIR	95% Conf.Interval
ALL MALIGNANT NEOPLASMS (140-208)	1638	1959.64	0.84	[0.80 - 0.88]
Buccal Pharynx (140-149)	47	61.27	0.77	[0.56 - 1.02]
Oesophagus (150)	16	25.75	0.62	[0.36 - 1.01]
Stomach (151)	130	158.19	0.82	[0.69 - 0.98]
Small intestine (152)	4	6.03	0.66	[0.18 - 1.70]
Large intestine and rectum(153-154)	211	216.17	0.98	[0.85 - 1.12]
Liver (155)	12	19.8	0.61	[0.31 - 1.06]
Pancreas (157)	40	67.16	0.60	[0.43 - 0.81]
Larynx (161)	34	29.38	1.16	[0.80 - 1.62]
Lung (162)	321	330.03	0.97	[0.87 - 1.09]
Bone (170)	2	5.68	0.35	[0.04 - 1.27]
Melanoma of skin (172)	61	59.65	1.02	[0.78 - 1.31]
Breast (174-175)	31	32.01	0.97	[0.66 - 1.37]
Cervix uteri (180)	6	6.32	0.95	[0.35 - 2.07]
Ovary (183)	4	6.85	0.58	[0.16 - 1.49]
Uterus (179,181-182)	5	8.21	0.61	[0.20 - 1.42]
Other female genital organs (184)	3	0.83	3.63	[0.75 - 10.6]
Prostate (185)	220	257.44	0.85	[0.75 - 0.98]
Testis (186)	16	24.74	0.65	[0.37 - 1.05]
Bladder (188)	93	107.23	0.87	[0.70 - 1.06]
Kidney (189)	57	65.86	0.87	[0.66 - 1.12]
Brain (191-192)	43	49.15	0.87	[0.63 - 1.18]
Thyroid (193)	6	12.15	0.49	[0.18 - 1.07]
Non-Hodgkins lymphoma (200,202)	44	51.6	0.85	[0.62 - 1.14]
Hodgkins disease (201)	8	16.29	0.49	[0.21 - 0.97]
Leukemia (204-208)	32	45.44	0.70	[0.48 - 0.99]
Other malignant neoplasms	192	298.92	0.64	[0.55 - 0.74]
Non malignant sites	34			

Table 4.4.4
Incidence from selected cancer sites

TOTAL COHORT

Ever exposed to ASB (asbestos)

Men

Cancer sites (ICD 9th.revision)	Observed	Expected	SIR	95% Conf.Interval
ALL MALIGNANT NEOPLASMS (140-208)	1534	1822.2	0.84	[0.80 - 0.89]
Buccal Pharynx (140-149)	46	59.31	0.78	[0.57 - 1.03]
Oesophagus (150)	16	24.15	0.66	[0.38 - 1.08]
Stomach (151)	124	149.75	0.83	[0.69 - 0.99]
Small intestine (152)	4	5.64	0.71	[0.19 - 1.82]
Large intestine and rectum(153-154)	199	203.56	0.98	[0.85 - 1.12]
Liver (155)	12	18.35	0.65	[0.34 - 1.14]
Pancreas (157)	36	62.48	0.58	[0.40 - 0.80]
Larynx (161)	34	29.16	1.17	[0.81 - 1.63]
Lung (162)	318	325.04	0.98	[0.87 - 1.09]
Bone (170)	2	5.36	0.37	[0.05 - 1.35]
Melanoma of skin (172)	59	56.2	1.05	[0.80 - 1.35]
Breast (174-175)	1	2.5	0.40	[0.01 - 2.23]
Cervix uteri (180)	0	-	-	-
Ovary (183)	0	-	-	-
Uterus (179,181-182)	0	-	-	-
Other female genital organs (184)	0	-	-	-
Prostate (185)	220	257.44	0.85	[0.75 - 0.98]
Testis (186)	16	24.74	0.65	[0.37 - 1.05]
Bladder (188)	91	105.26	0.86	[0.70 - 1.06]
Kidney (189)	56	62.49	0.90	[0.68 - 1.16]
Brain (191-192)	40	46.52	0.86	[0.61 - 1.17]
Thyroid (193)	6	10.04	0.60	[0.22 - 1.30]
Non-Hodgkins lymphoma (200,202)	43	48.42	0.89	[0.64 - 1.20]
Hodgkins disease (201)	7	15.62	0.45	[0.18 - 0.92]
Leukemia (204-208)	28	42.9	0.65	[0.43 - 0.94]
Other malignant neoplasms	176	269.75	0.65	[0.56 - 0.76]
Non malignant sites	33			

TOTAL COHORT

Ever exposed to ASB (asbestos)

Women

Cancer sites (ICD 9th.revision)	Observed	Expected	SIR	95% Conf.Interval
ALL MALIGNANT NEOPLASMS (140-208)	104	137.44	0.76	[0.62 - 0.92]
Buccal Pharynx (140-149)	1	1.95	0.51	[0.01 - 2.85]
Oesophagus (150)	0	1.59	0.00	[0.00 - 2.32]
Stomach (151)	6	8.44	0.71	[0.26 - 1.55]
Small intestine (152)	0	0.39	0.00	[0.00 - 9.42]
Large intestine and rectum(153-154)	12	12.62	0.95	[0.49 - 1.66]
Liver (155)	0	1.44	0.00	[0.00 - 2.56]
Pancreas (157)	4	4.68	0.86	[0.23 - 2.19]
Larynx (161)	0	0.22	0.00	[0.00 - 16.4]
Lung (162)	3	4.98	0.60	[0.12 - 1.76]
Bone (170)	0	0.32	0.00	[0.00 - 11.6]
Melanoma of skin (172)	2	3.45	0.58	[0.07 - 2.10]
Breast (174-175)	30	29.51	1.02	[0.69 - 1.45]
Cervix uteri (180)	6	6.32	0.95	[0.35 - 2.07]
Ovary (183)	4	6.85	0.58	[0.16 - 1.49]
Uterus (179,181-182)	5	8.21	0.61	[0.20 - 1.42]
Other female genital organs (184)	3	0.83	3.63	[0.75 - 10.6]
Prostate (185)	0	-	-	-
Testis (186)	0	-	-	-
Bladder (188)	2	1.97	1.01	[0.12 - 3.67]
Kidney (189)	1	3.37	0.30	[0.01 - 1.65]
Brain (191-192)	3	2.63	1.14	[0.24 - 3.33]
Thyroid (193)	0	2.11	0.00	[0.00 - 1.75]
Non-Hodgkins lymphoma (200,202)	1	3.18	0.31	[0.01 - 1.75]
Hodgkins disease (201)	1	0.68	1.48	[0.04 - 8.25]
Leukemia (204-208)	4	2.54	1.57	[0.43 - 4.03]
Other malignant neoplasms	16	29.16	0.55	[0.31 - 0.89]
Non malignant sites	1			

Table 4.4.5
Incidence from selected cancer sites

TOTAL COHORT

Ever exposed to BRIGH (optical brighteners in papermaking)

Cancer sites (ICD 9th.revision)	Observed	Expected	SIR	95% Conf.Interval
ALL MALIGNANT NEOPLASMS (140-208)	227	278.44	0.82	[0.71 - 0.93]
Buccal Pharynx (140-149)	4	8.34	0.48	[0.13 - 1.23]
Oesophagus (150)	3	3.19	0.94	[0.19 - 2.75]
Stomach (151)	10	15.95	0.63	[0.30 - 1.15]
Small intestine (152)	0	0.81	0.00	[0.00 - 4.56]
Large intestine and rectum(153-154)	20	35.26	0.57	[0.35 - 0.88]
Liver (155)	1	2.32	0.43	[0.01 - 2.40]
Pancreas (157)	7	8.59	0.81	[0.33 - 1.68]
Larynx (161)	2	4.14	0.48	[0.06 - 1.74]
Lung (162)	48	40.74	1.18	[0.87 - 1.56]
Bone (170)	0	0.77	0.00	[0.00 - 4.80]
Melanoma of skin (172)	14	10.88	1.29	[0.70 - 2.16]
Breast (174-175)	6	5.33	1.12	[0.41 - 2.45]
Cervix uteri (180)	2	1.67	1.20	[0.14 - 4.33]
Ovary (183)	1	1.26	0.79	[0.02 - 4.41]
Uterus (179,181-182)	0	1.16	0.00	[0.00 - 3.19]
Other female genital organs (184)	0	0.11	0.00	[0.00 - 32.7]
Prostate (185)	31	32.63	0.95	[0.65 - 1.35]
Testis (186)	3	7.41	0.40	[0.08 - 1.18]
Bladder (188)	19	19.15	0.99	[0.60 - 1.55]
Kidney (189)	7	9.55	0.73	[0.29 - 1.51]
Brain (191-192)	3	8.7	0.34	[0.07 - 1.01]
Thyroid (193)	1	1.71	0.58	[0.01 - 3.25]
Non-Hodgkins lymphoma (200,202)	3	8	0.37	[0.08 - 1.10]
Hodgkins disease (201)	4	2.82	1.42	[0.39 - 3.63]
Leukemia (204-208)	6	6.66	0.90	[0.33 - 1.96]
Other malignant neoplasms	32	41.67	0.77	[0.53 - 1.08]
Non malignant sites	18			

Table 4.4.6
Incidence from selected cancer sites

TOTAL COHORT

Ever exposed to BRIGH (optical brighteners in papermaking)

Men

Cancer sites (ICD 9th.revision)	Observed	Expected	SIR	95% Conf.Interval
ALL MALIGNANT NEOPLASMS (140-208)	208	259.11	0.80	[0.70 - 0.92]
Buccal Pharynx (140-149)	4	8.14	0.49	[0.13 - 1.26]
Oesophagus (150)	3	3.12	0.96	[0.20 - 2.81]
Stomach (151)	10	15.37	0.65	[0.31 - 1.20]
Small intestine (152)	0	0.76	0.00	[0.00 - 4.85]
Large intestine and rectum(153-154)	17	33.1	0.51	[0.30 - 0.82]
Liver (155)	1	2.23	0.45	[0.01 - 2.50]
Pancreas (157)	7	8.15	0.86	[0.35 - 1.77]
Larynx (161)	2	4.1	0.49	[0.06 - 1.76]
Lung (162)	45	39.71	1.13	[0.83 - 1.52]
Bone (170)	0	0.74	0.00	[0.00 - 5.00]
Melanoma of skin (172)	12	10.03	1.20	[0.62 - 2.09]
Breast (174-175)	0	0.41	0.00	[0.00 - 9.07]
Cervix uteri (180)	0	-	-	-
Ovary (183)	0	-	-	-
Uterus (179,181-182)	0	-	-	-
Other female genital organs (184)	0	-	-	-
Prostate (185)	31	32.63	0.95	[0.65 - 1.35]
Testis (186)	3	7.41	0.40	[0.08 - 1.18]
Bladder (188)	18	18.77	0.96	[0.57 - 1.52]
Kidney (189)	7	9.15	0.76	[0.31 - 1.58]
Brain (191-192)	3	8.19	0.37	[0.08 - 1.07]
Thyroid (193)	1	1.44	0.70	[0.02 - 3.88]
Non-Hodgkins lymphoma (200,202)	3	7.6	0.39	[0.08 - 1.15]
Hodgkins disease (201)	4	2.7	1.48	[0.40 - 3.79]
Leukemia (204-208)	5	6.35	0.79	[0.26 - 1.84]
Other malignant neoplasms	32	39.42	0.81	[0.56 - 1.15]
Non malignant sites	17			

TOTAL COHORT

Ever exposed to BRIGH (optical brighteners in papermaking)

Women

Cancer sites (ICD 9th.revision)	Observed	Expected	SIR	95% Conf.Interval
ALL MALIGNANT NEOPLASMS (140-208)	19	19.33	0.98	[0.59 - 1.53]
Buccal Pharynx (140-149)	0	0.2	0.00	[0.00 - 18.4]
Oesophagus (150)	0	0.07	0.00	[0.00 - 55.6]
Stomach (151)	0	0.58	0.00	[0.00 - 6.35]
Small intestine (152)	0	0.05	0.00	[0.00 - 75.5]
Large intestine and rectum(153-154)	3	2.16	1.39	[0.29 - 4.05]
Liver (155)	0	0.09	0.00	[0.00 - 39.1]
Pancreas (157)	0	0.44	0.00	[0.00 - 8.44]
Larynx (161)	0	0.04	0.00	[0.00 - 85.4]
Lung (162)	3	1.03	2.90	[0.60 - 8.49]
Bone (170)	0	0.03	0.00	[0.00 - 0120]
Melanoma of skin (172)	2	0.85	2.36	[0.29 - 8.53]
Breast (174-175)	6	4.93	1.22	[0.45 - 2.65]
Cervix uteri (180)	2	1.67	1.20	[0.14 - 4.33]
Ovary (183)	1	1.26	0.79	[0.02 - 4.41]
Uterus (179,181-182)	0	1.16	0.00	[0.00 - 3.19]
Other female genital organs (184)	0	0.11	0.00	[0.00 - 32.7]
Prostate (185)	0	-	-	-
Testis (186)	0	-	-	-
Bladder (188)	1	0.38	2.62	[0.07 - 14.6]
Kidney (189)	0	0.4	0.00	[0.00 - 9.21]
Brain (191-192)	0	0.51	0.00	[0.00 - 7.21]
Thyroid (193)	0	0.28	0.00	[0.00 - 13.3]
Non-Hodgkins lymphoma (200,202)	0	0.41	0.00	[0.00 - 9.10]
Hodgkins disease (201)	0	0.11	0.00	[0.00 - 32.2]
Leukemia (204-208)	1	0.31	3.22	[0.08 - 18.0]
Other malignant neoplasms	0	2.25	0.00	[0.00 - 1.64]
Non malignant sites	1			

Table 4.4.7
Incidence from selected cancer sites

TOTAL COHORT

Ever exposed to CLIO (inorganic chlorine compounds)

Cancer sites (ICD 9th.revision)	Observed	Expected	SIR	95% Conf.Interval
ALL MALIGNANT NEOPLASMS (140-208)	862	904.26	0.95	[0.89 - 1.02]
Buccal Pharynx (140-149)	21	25.66	0.82	[0.51 - 1.25]
Oesophagus (150)	10	10.3	0.97	[0.47 - 1.79]
Stomach (151)	53	60.38	0.88	[0.66 - 1.15]
Small intestine (152)	0	2.79	0.00	[0.00 - 1.32]
Large intestine and rectum(153-154)	111	113.58	0.98	[0.80 - 1.18]
Liver (155)	8	8.07	0.99	[0.43 - 1.95]
Pancreas (157)	33	29.45	1.12	[0.77 - 1.57]
Larynx (161)	9	11.53	0.78	[0.36 - 1.48]
Lung (162)	144	121.64	1.18	[1.00 - 1.39]
Bone (170)	4	2.19	1.83	[0.50 - 4.68]
Melanoma of skin (172)	32	31.23	1.02	[0.70 - 1.45]
Breast (174-175)	38	36.6	1.04	[0.73 - 1.43]
Cervix uteri (180)	13	8.67	1.50	[0.80 - 2.56]
Ovary (183)	11	8.64	1.27	[0.64 - 2.28]
Uterus (179,181-182)	7	8.58	0.82	[0.33 - 1.68]
Other female genital organs (184)	1	0.85	1.18	[0.03 - 6.56]
Prostate (185)	103	110.28	0.93	[0.76 - 1.13]
Testis (186)	7	13.47	0.52	[0.21 - 1.07]
Bladder (188)	56	55.17	1.02	[0.77 - 1.32]
Kidney (189)	18	30.64	0.59	[0.35 - 0.93]
Brain (191-192)	17	25.06	0.68	[0.40 - 1.09]
Thyroid (193)	3	6.64	0.45	[0.09 - 1.32]
Non-Hodgkins lymphoma (200,202)	19	24.22	0.78	[0.47 - 1.22]
Hodgkins disease (201)	9	7.41	1.21	[0.56 - 2.31]
Leukemia (204-208)	17	21.4	0.79	[0.46 - 1.27]
Other malignant neoplasms	118	131.01	0.90	[0.75 - 1.08]
Non malignant sites	30			

Table 4.4.8
Incidence from selected cancer sites

TOTAL COHORT

Ever exposed to CLIO (inorganic chlorine compounds)

Men

Cancer sites (ICD 9th.revision)	Observed	Expected	SIR	95% Conf.Interval
ALL MALIGNANT NEOPLASMS (140-208)	724	765.31	0.95	[0.88 - 1.02]
Buccal Pharynx (140-149)	20	24.07	0.83	[0.51 - 1.28]
Oesophagus (150)	10	9.56	1.05	[0.50 - 1.92]
Stomach (151)	48	54.64	0.88	[0.65 - 1.16]
Small intestine (152)	0	2.39	0.00	[0.00 - 1.54]
Large intestine and rectum(153-154)	97	98.62	0.98	[0.80 - 1.20]
Liver (155)	6	7.19	0.84	[0.31 - 1.82]
Pancreas (157)	29	25.79	1.12	[0.75 - 1.62]
Larynx (161)	9	11.3	0.80	[0.36 - 1.51]
Lung (162)	134	115.7	1.16	[0.97 - 1.37]
Bone (170)	3	1.94	1.54	[0.32 - 4.51]
Melanoma of skin (172)	24	25.62	0.94	[0.60 - 1.39]
Breast (174-175)	3	1.19	2.51	[0.52 - 7.34]
Cervix uteri (180)	0	-	-	-
Ovary (183)	0	-	-	-
Uterus (179,181-182)	0	-	-	-
Other female genital organs (184)	0	-	-	-
Prostate (185)	103	110.28	0.93	[0.76 - 1.13]
Testis (186)	7	13.47	0.52	[0.21 - 1.07]
Bladder (188)	51	52.8	0.97	[0.72 - 1.27]
Kidney (189)	16	27.45	0.58	[0.33 - 0.95]
Brain (191-192)	15	21.62	0.69	[0.39 - 1.14]
Thyroid (193)	3	4.12	0.73	[0.15 - 2.13]
Non-Hodgkins lymphoma (200,202)	19	20.92	0.91	[0.55 - 1.42]
Hodgkins disease (201)	8	6.69	1.20	[0.52 - 2.36]
Leukemia (204-208)	17	19.12	0.89	[0.52 - 1.42]
Other malignant neoplasms	102	112.01	0.91	[0.74 - 1.11]
Non malignant sites	30			

TOTAL COHORT

Ever exposed to CLIO (inorganic chlorine compounds)

Women

Cancer sites (ICD 9th.revision)	Observed	Expected	SIR	95% Conf.Interval
ALL MALIGNANT NEOPLASMS (140-208)	138	138.95	0.99	[0.83 - 1.17]
Buccal Pharynx (140-149)	1	1.59	0.63	[0.02 - 3.51]
Oesophagus (150)	0	0.74	0.00	[0.00 - 4.97]
Stomach (151)	5	5.74	0.87	[0.28 - 2.03]
Small intestine (152)	0	0.4	0.00	[0.00 - 9.20]
Large intestine and rectum(153-154)	14	14.95	0.94	[0.51 - 1.57]
Liver (155)	2	0.89	2.26	[0.27 - 8.15]
Pancreas (157)	4	3.66	1.09	[0.30 - 2.80]
Larynx (161)	0	0.22	0.00	[0.00 - 16.5]
Lung (162)	10	5.94	1.68	[0.81 - 3.10]
Bone (170)	1	0.24	4.12	[0.10 - 23.0]
Melanoma of skin (172)	8	5.62	1.42	[0.62 - 2.81]
Breast (174-175)	35	35.4	0.99	[0.69 - 1.37]
Cervix uteri (180)	13	8.67	1.50	[0.80 - 2.56]
Ovary (183)	11	8.64	1.27	[0.64 - 2.28]
Uterus (179,181-182)	7	8.58	0.82	[0.33 - 1.68]
Other female genital organs (184)	1	0.85	1.18	[0.03 - 6.56]
Prostate (185)	0	-	-	-
Testis (186)	0	-	-	-
Bladder (188)	5	2.37	2.11	[0.69 - 4.93]
Kidney (189)	2	3.19	0.63	[0.08 - 2.26]
Brain (191-192)	2	3.44	0.58	[0.07 - 2.10]
Thyroid (193)	0	2.52	0.00	[0.00 - 1.46]
Non-Hodgkins lymphoma (200,202)	0	3.3	0.00	[0.00 - 1.12]
Hodgkins disease (201)	1	0.72	1.39	[0.03 - 7.75]
Leukemia (204-208)	0	2.28	0.00	[0.00 - 1.62]
Other malignant neoplasms	16	19	0.84	[0.48 - 1.37]
Non malignant sites	0			

Table 4.4.9
Incidence from selected cancer sites

TOTAL COHORT

Ever exposed to CLNV (nonvolatile organochlorine compounds)

Cancer sites (ICD 9th.revision)	Observed	Expected	SIR	95% Conf.Interval
ALL MALIGNANT NEOPLASMS (140-208)	1376	1549.99	0.89	[0.84 - 0.94]
Buccal Pharynx (140-149)	41	42.64	0.96	[0.69 - 1.30]
Oesophagus (150)	20	17.52	1.14	[0.70 - 1.76]
Stomach (151)	95	96.96	0.98	[0.79 - 1.20]
Small intestine (152)	4	4.7	0.85	[0.23 - 2.18]
Large intestine and rectum(153-154)	160	179	0.89	[0.76 - 1.04]
Liver (155)	14	14.59	0.96	[0.52 - 1.61]
Pancreas (157)	53	48.59	1.09	[0.82 - 1.43]
Larynx (161)	21	20.2	1.04	[0.64 - 1.59]
Lung (162)	232	215.12	1.08	[0.94 - 1.23]
Bone (170)	2	4.17	0.48	[0.06 - 1.73]
Melanoma of skin (172)	47	50.59	0.93	[0.68 - 1.24]
Breast (174-175)	76	79.53	0.96	[0.75 - 1.20]
Cervix uteri (180)	27	22.79	1.18	[0.78 - 1.72]
Ovary (183)	20	17.55	1.14	[0.70 - 1.76]
Uterus (179,181-182)	13	18.46	0.70	[0.38 - 1.20]
Other female genital organs (184)	6	1.66	3.61	[1.32 - 7.85]
Prostate (185)	142	165.26	0.86	[0.72 - 1.01]
Testis (186)	11	23.72	0.46	[0.23 - 0.83]
Bladder (188)	84	88.66	0.95	[0.76 - 1.17]
Kidney (189)	29	51.38	0.56	[0.38 - 0.81]
Brain (191-192)	27	42.75	0.63	[0.42 - 0.92]
Thyroid (193)	4	10.63	0.38	[0.10 - 0.96]
Non-Hodgkins lymphoma (200,202)	26	40.88	0.64	[0.42 - 0.93]
Hodgkins disease (201)	18	13.47	1.34	[0.79 - 2.11]
Leukemia (204-208)	29	35.95	0.81	[0.54 - 1.16]
Other malignant neoplasms	175	245.09	0.71	[0.61 - 0.83]
Non malignant sites	76			

Table 4.4.10
Incidence from selected cancer sites

TOTAL COHORT

Ever exposed to CLNV (nonvolatile organochlorine compounds)

Men

Cancer sites (ICD 9th.revision)	Observed	Expected	SIR	95% Conf.Interval
ALL MALIGNANT NEOPLASMS (140-208)	1090	1235.08	0.88	[0.83 - 0.94]
Buccal Pharynx (140-149)	33	38.99	0.85	[0.58 - 1.19]
Oesophagus (150)	14	15.47	0.91	[0.49 - 1.52]
Stomach (151)	84	85.03	0.99	[0.79 - 1.22]
Small intestine (152)	4	3.96	1.01	[0.28 - 2.59]
Large intestine and rectum(153-154)	136	148.43	0.92	[0.77 - 1.08]
Liver (155)	11	12.26	0.90	[0.45 - 1.61]
Pancreas (157)	44	40.76	1.08	[0.78 - 1.45]
Larynx (161)	19	19.37	0.98	[0.59 - 1.53]
Lung (162)	209	198.39	1.05	[0.92 - 1.21]
Bone (170)	1	3.54	0.28	[0.01 - 1.57]
Melanoma of skin (172)	43	41.21	1.04	[0.76 - 1.41]
Breast (174-175)	3	1.86	1.61	[0.33 - 4.71]
Cervix uteri (180)	0	-	-	-
Ovary (183)	0	-	-	-
Uterus (179,181-182)	0	-	-	-
Other female genital organs (184)	0	-	-	-
Prostate (185)	142	165.26	0.86	[0.72 - 1.01]
Testis (186)	11	23.72	0.46	[0.23 - 0.83]
Bladder (188)	76	82.82	0.92	[0.72 - 1.15]
Kidney (189)	25	44.52	0.56	[0.36 - 0.83]
Brain (191-192)	25	35.78	0.70	[0.45 - 1.03]
Thyroid (193)	4	6.87	0.58	[0.16 - 1.49]
Non-Hodgkins lymphoma (200,202)	24	34.84	0.69	[0.44 - 1.03]
Hodgkins disease (201)	15	11.74	1.28	[0.72 - 2.11]
Leukemia (204-208)	25	30.62	0.82	[0.53 - 1.21]
Other malignant neoplasms	142	191.51	0.74	[0.62 - 0.87]
Non malignant sites	48			

TOTAL COHORT

Ever exposed to CLNV (nonvolatile organochlorine compounds)

Women

Cancer sites (ICD 9th.revision)	Observed	Expected	SIR	95% Conf.Interval
ALL MALIGNANT NEOPLASMS (140-208)	286	314.91	0.91	[0.81 - 1.02]
Buccal Pharynx (140-149)	8	3.65	2.19	[0.95 - 4.32]
Oesophagus (150)	6	2.06	2.92	[1.07 - 6.35]
Stomach (151)	11	11.92	0.92	[0.46 - 1.65]
Small intestine (152)	0	0.74	0.00	[0.00 - 4.99]
Large intestine and rectum(153-154)	24	30.57	0.79	[0.50 - 1.17]
Liver (155)	3	2.33	1.29	[0.27 - 3.77]
Pancreas (157)	9	7.83	1.15	[0.53 - 2.18]
Larynx (161)	2	0.83	2.40	[0.29 - 8.66]
Lung (162)	23	16.73	1.38	[0.87 - 2.06]
Bone (170)	1	0.63	1.60	[0.04 - 8.89]
Melanoma of skin (172)	4	9.38	0.43	[0.12 - 1.09]
Breast (174-175)	73	77.67	0.94	[0.74 - 1.18]
Cervix uteri (180)	27	22.79	1.18	[0.78 - 1.72]
Ovary (183)	20	17.55	1.14	[0.70 - 1.76]
Uterus (179,181-182)	13	18.46	0.70	[0.38 - 1.20]
Other female genital organs (184)	6	1.66	3.61	[1.32 - 7.85]
Prostate (185)	0	-	-	-
Testis (186)	0	-	-	-
Bladder (188)	8	5.84	1.37	[0.59 - 2.70]
Kidney (189)	4	6.86	0.58	[0.16 - 1.49]
Brain (191-192)	2	6.98	0.29	[0.03 - 1.04]
Thyroid (193)	0	3.76	0.00	[0.00 - 0.98]
Non-Hodgkins lymphoma (200,202)	2	6.04	0.33	[0.04 - 1.20]
Hodgkins disease (201)	3	1.73	1.74	[0.36 - 5.08]
Leukemia (204-208)	4	5.34	0.75	[0.20 - 1.92]
Other malignant neoplasms	33	53.58	0.62	[0.42 - 0.86]
Non malignant sites	28			

Table 4.4.11
Incidence from selected cancer sites

TOTAL COHORT

Ever exposed to CLVO (volatile organochlorine compounds)

Cancer sites (ICD 9th.revision)	Observed	Expected	SIR	95% Conf.Interval
ALL MALIGNANT NEOPLASMS (140-208)	3038	3388.2	0.90	[0.87 - 0.93]
Buccal Pharynx (140-149)	95	96.7	0.98	[0.79 - 1.20]
Oesophagus (150)	32	39.62	0.81	[0.55 - 1.14]
Stomach (151)	203	239.17	0.85	[0.74 - 0.97]
Small intestine (152)	7	10.36	0.68	[0.27 - 1.39]
Large intestine and rectum(153-154)	359	389.23	0.92	[0.83 - 1.02]
Liver (155)	24	31.56	0.76	[0.49 - 1.13]
Pancreas (157)	87	110.13	0.79	[0.63 - 0.97]
Larynx (161)	49	45.05	1.09	[0.80 - 1.44]
Lung (162)	528	494.15	1.07	[0.98 - 1.16]
Bone (170)	3	9.11	0.33	[0.07 - 0.96]
Melanoma of skin (172)	102	109.68	0.93	[0.76 - 1.13]
Breast (174-175)	140	145.95	0.96	[0.81 - 1.13]
Cervix uteri (180)	48	40.17	1.19	[0.88 - 1.58]
Ovary (183)	45	34.09	1.32	[0.96 - 1.77]
Uterus (179,181-182)	25	34.08	0.73	[0.47 - 1.08]
Other female genital organs (184)	9	3.21	2.80	[1.28 - 5.32]
Prostate (185)	343	396.29	0.87	[0.78 - 0.96]
Testis (186)	30	46.24	0.65	[0.44 - 0.93]
Bladder (188)	185	187.78	0.99	[0.85 - 1.14]
Kidney (189)	91	111.74	0.81	[0.66 - 1.00]
Brain (191-192)	76	90.96	0.84	[0.66 - 1.05]
Thyroid (193)	8	24.35	0.33	[0.14 - 0.65]
Non-Hodgkins lymphoma (200,202)	76	88.89	0.86	[0.67 - 1.07]
Hodgkins disease (201)	28	28.56	0.98	[0.65 - 1.42]
Leukemia (204-208)	61	78.03	0.78	[0.60 - 1.00]
Other malignant neoplasms	384	507.18	0.76	[0.68 - 0.84]
Non malignant sites	106			

Table 4.4.12
Incidence from selected cancer sites

TOTAL COHORT

Ever exposed to CLVO (volatile organochlorine compounds)

Men

Cancer sites (ICD 9th.revision)	Observed	Expected	SIR	95% Conf.Interval
ALL MALIGNANT NEOPLASMS (140-208)	2501	2815.16	0.89	[0.85 - 0.92]
Buccal Pharynx (140-149)	86	89.95	0.96	[0.76 - 1.18]
Oesophagus (150)	25	36.04	0.69	[0.45 - 1.02]
Stomach (151)	179	215.32	0.83	[0.71 - 0.96]
Small intestine (152)	7	8.84	0.79	[0.32 - 1.63]
Large intestine and rectum(153-154)	310	331.01	0.94	[0.84 - 1.05]
Liver (155)	20	27.58	0.73	[0.44 - 1.12]
Pancreas (157)	73	95.29	0.77	[0.60 - 0.96]
Larynx (161)	46	43.85	1.05	[0.77 - 1.40]
Lung (162)	496	467.49	1.06	[0.97 - 1.16]
Bone (170)	2	7.98	0.25	[0.03 - 0.91]
Melanoma of skin (172)	88	89.65	0.98	[0.79 - 1.21]
Breast (174-175)	4	4.08	0.98	[0.27 - 2.51]
Cervix uteri (180)	0	-	-	-
Ovary (183)	0	-	-	-
Uterus (179,181-182)	0	-	-	-
Other female genital organs (184)	0	-	-	-
Prostate (185)	343	396.29	0.87	[0.78 - 0.96]
Testis (186)	30	46.24	0.65	[0.44 - 0.93]
Bladder (188)	174	177.62	0.98	[0.84 - 1.14]
Kidney (189)	82	99.08	0.83	[0.66 - 1.03]
Brain (191-192)	65	77.17	0.84	[0.65 - 1.07]
Thyroid (193)	8	15.67	0.51	[0.22 - 1.01]
Non-Hodgkins lymphoma (200,202)	67	76.76	0.87	[0.68 - 1.11]
Hodgkins disease (201)	25	25.29	0.99	[0.64 - 1.46]
Leukemia (204-208)	51	68.18	0.75	[0.56 - 0.98]
Other malignant neoplasms	320	419.84	0.76	[0.68 - 0.85]
Non malignant sites	77			

TOTAL COHORT

Ever exposed to CLVO (volatile organochlorine compounds)

Women

Cancer sites (ICD 9th.revision)	Observed	Expected	SIR	95% Conf.Interval
ALL MALIGNANT NEOPLASMS (140-208)	537	573.04	0.94	[0.86 - 1.02]
Buccal Pharynx (140-149)	9	6.74	1.33	[0.61 - 2.53]
Oesophagus (150)	7	3.59	1.95	[0.78 - 4.02]
Stomach (151)	24	23.85	1.01	[0.64 - 1.50]
Small intestine (152)	0	1.52	0.00	[0.00 - 2.42]
Large intestine and rectum(153-154)	49	58.22	0.84	[0.62 - 1.11]
Liver (155)	4	3.97	1.01	[0.27 - 2.58]
Pancreas (157)	14	14.84	0.94	[0.52 - 1.58]
Larynx (161)	3	1.19	2.51	[0.52 - 7.35]
Lung (162)	32	26.66	1.20	[0.82 - 1.69]
Bone (170)	1	1.13	0.89	[0.02 - 4.94]
Melanoma of skin (172)	14	20.03	0.70	[0.38 - 1.17]
Breast (174-175)	136	141.86	0.96	[0.80 - 1.13]
Cervix uteri (180)	48	40.17	1.19	[0.88 - 1.58]
Ovary (183)	45	34.09	1.32	[0.96 - 1.77]
Uterus (179,181-182)	25	34.08	0.73	[0.47 - 1.08]
Other female genital organs (184)	9	3.21	2.80	[1.28 - 5.32]
Prostate (185)	0	-	-	-
Testis (186)	0	-	-	-
Bladder (188)	11	10.16	1.08	[0.54 - 1.94]
Kidney (189)	9	12.65	0.71	[0.33 - 1.35]
Brain (191-192)	11	13.78	0.80	[0.40 - 1.43]
Thyroid (193)	0	8.68	0.00	[0.00 - 0.43]
Non-Hodgkins lymphoma (200,202)	9	12.13	0.74	[0.34 - 1.41]
Hodgkins disease (201)	3	3.27	0.92	[0.19 - 2.68]
Leukemia (204-208)	10	9.85	1.02	[0.49 - 1.87]
Other malignant neoplasms	64	87.34	0.73	[0.56 - 0.94]
Non malignant sites	29			

Table 4.4.13
Incidence from selected cancer sites

TOTAL COHORT

Ever exposed to COMB (combustion products)

Cancer sites (ICD 9th.revision)	Observed	Expected	SIR	95% Conf.Interval
ALL MALIGNANT NEOPLASMS (140-208)	3794	4224.45	0.90	[0.87 - 0.93]
Buccal Pharynx (140-149)	120	122.23	0.98	[0.81 - 1.17]
Oesophagus (150)	44	50.53	0.87	[0.63 - 1.17]
Stomach (151)	266	289.02	0.92	[0.81 - 1.04]
Small intestine (152)	11	13.05	0.84	[0.42 - 1.51]
Large intestine and rectum(153-154)	454	496.41	0.91	[0.83 - 1.00]
Liver (155)	31	40.6	0.76	[0.52 - 1.08]
Pancreas (157)	125	136.29	0.92	[0.76 - 1.09]
Larynx (161)	62	57.41	1.08	[0.83 - 1.38]
Lung (162)	654	620.51	1.05	[0.97 - 1.14]
Bone (170)	5	11.32	0.44	[0.14 - 1.03]
Melanoma of skin (172)	122	141.86	0.86	[0.71 - 1.03]
Breast (174-175)	149	152.7	0.98	[0.83 - 1.15]
Cervix uteri (180)	47	41.51	1.13	[0.83 - 1.51]
Ovary (183)	42	34.97	1.20	[0.87 - 1.62]
Uterus (179,181-182)	23	34.96	0.66	[0.42 - 0.99]
Other female genital organs (184)	9	3.36	2.68	[1.23 - 5.09]
Prostate (185)	437	506.9	0.86	[0.78 - 0.95]
Testis (186)	37	63.52	0.58	[0.41 - 0.80]
Bladder (188)	237	243.71	0.97	[0.85 - 1.10]
Kidney (189)	124	140.69	0.88	[0.73 - 1.05]
Brain (191-192)	93	113.36	0.82	[0.66 - 1.01]
Thyroid (193)	13	28.65	0.45	[0.24 - 0.78]
Non-Hodgkins lymphoma (200,202)	88	112.46	0.78	[0.63 - 0.96]
Hodgkins disease (201)	29	35.81	0.81	[0.54 - 1.16]
Leukemia (204-208)	68	99.22	0.69	[0.53 - 0.87]
Other malignant neoplasms	504	638.83	0.79	[0.72 - 0.86]
Non malignant sites	148			

Table 4.4.14
Incidence from selected cancer sites

TOTAL COHORT

Ever exposed to COMB (combustion products)

Men

Cancer sites (ICD 9th.revision)	Observed	Expected	SIR	95% Conf.Interval
ALL MALIGNANT NEOPLASMS (140-208)	3252	3630.89	0.90	[0.87 - 0.93]
Buccal Pharynx (140-149)	110	115.29	0.95	[0.78 - 1.15]
Oesophagus (150)	37	46.87	0.79	[0.56 - 1.09]
Stomach (151)	242	264.94	0.91	[0.80 - 1.04]
Small intestine (152)	11	11.5	0.96	[0.48 - 1.71]
Large intestine and rectum(153-154)	405	436.32	0.93	[0.84 - 1.02]
Liver (155)	26	36.52	0.71	[0.47 - 1.04]
Pancreas (157)	112	121.11	0.92	[0.76 - 1.11]
Larynx (161)	59	56.14	1.05	[0.80 - 1.36]
Lung (162)	615	592.32	1.04	[0.96 - 1.12]
Bone (170)	4	10.15	0.39	[0.11 - 1.01]
Melanoma of skin (172)	110	120.42	0.91	[0.75 - 1.10]
Breast (174-175)	5	5.41	0.93	[0.30 - 2.16]
Cervix uteri (180)	0	-	-	-
Ovary (183)	0	-	-	-
Uterus (179,181-182)	0	-	-	-
Other female genital organs (184)	0	-	-	-
Prostate (185)	437	506.9	0.86	[0.78 - 0.95]
Testis (186)	37	63.52	0.58	[0.41 - 0.80]
Bladder (188)	226	233.2	0.97	[0.85 - 1.10]
Kidney (189)	114	127.73	0.89	[0.74 - 1.07]
Brain (191-192)	81	99.25	0.82	[0.65 - 1.01]
Thyroid (193)	13	19.69	0.66	[0.35 - 1.13]
Non-Hodgkins lymphoma (200,202)	82	99.88	0.82	[0.65 - 1.02]
Hodgkins disease (201)	26	32.38	0.80	[0.52 - 1.18]
Leukemia (204-208)	59	89.09	0.66	[0.50 - 0.85]
Other malignant neoplasms	441	547.65	0.81	[0.73 - 0.88]
Non malignant sites	116			

TOTAL COHORT

Ever exposed to COMB (combustion products)

Women

Cancer sites (ICD 9th.revision)	Observed	Expected	SIR	95% Conf.Interval
ALL MALIGNANT NEOPLASMS (140-208)	542	593.57	0.91	[0.84 - 0.99]
Buccal Pharynx (140-149)	10	6.94	1.44	[0.69 - 2.65]
Oesophagus (150)	7	3.66	1.91	[0.77 - 3.94]
Stomach (151)	24	24.09	1.00	[0.64 - 1.48]
Small intestine (152)	0	1.54	0.00	[0.00 - 2.39]
Large intestine and rectum(153-154)	49	60.1	0.82	[0.60 - 1.08]
Liver (155)	5	4.08	1.23	[0.40 - 2.86]
Pancreas (157)	13	15.18	0.86	[0.46 - 1.46]
Larynx (161)	3	1.27	2.36	[0.49 - 6.91]
Lung (162)	39	28.2	1.38	[0.98 - 1.89]
Bone (170)	1	1.17	0.85	[0.02 - 4.76]
Melanoma of skin (172)	12	21.43	0.56	[0.29 - 0.98]
Breast (174-175)	144	147.3	0.98	[0.82 - 1.15]
Cervix uteri (180)	47	41.51	1.13	[0.83 - 1.51]
Ovary (183)	42	34.97	1.20	[0.87 - 1.62]
Uterus (179,181-182)	23	34.96	0.66	[0.42 - 0.99]
Other female genital organs (184)	9	3.36	2.68	[1.23 - 5.09]
Prostate (185)	0	-	-	-
Testis (186)	0	-	-	-
Bladder (188)	11	10.51	1.05	[0.52 - 1.87]
Kidney (189)	10	12.96	0.77	[0.37 - 1.42]
Brain (191-192)	12	14.1	0.85	[0.44 - 1.49]
Thyroid (193)	0	8.96	0.00	[0.00 - 0.41]
Non-Hodgkins lymphoma (200,202)	6	12.57	0.48	[0.18 - 1.04]
Hodgkins disease (201)	3	3.42	0.88	[0.18 - 2.56]
Leukemia (204-208)	9	10.12	0.89	[0.41 - 1.69]
Other malignant neoplasms	63	91.18	0.69	[0.53 - 0.88]
Non malignant sites	32			

Table 4.4.15
Incidence from selected cancer sites

TOTAL COHORT
Ever exposed to DYES

Cancer sites (ICD 9th.revision)	Observed	Expected	SIR	95% Conf.Interval
ALL MALIGNANT NEOPLASMS (140-208)	2627	2849.41	0.92	[0.89 - 0.96]
Buccal Pharynx (140-149)	76	78.38	0.97	[0.76 - 1.21]
Oesophagus (150)	26	31.39	0.83	[0.54 - 1.21]
Stomach (151)	166	171.18	0.97	[0.83 - 1.13]
Small intestine (152)	6	8.77	0.68	[0.25 - 1.49]
Large intestine and rectum(153-154)	315	339.3	0.93	[0.83 - 1.04]
Liver (155)	18	26.01	0.69	[0.41 - 1.09]
Pancreas (157)	70	87.05	0.80	[0.63 - 1.02]
Larynx (161)	37	36.69	1.01	[0.71 - 1.39]
Lung (162)	433	394.97	1.10	[1.00 - 1.20]
Bone (170)	2	7.92	0.25	[0.03 - 0.91]
Melanoma of skin (172)	91	106.9	0.85	[0.69 - 1.05]
Breast (174-175)	145	158.17	0.92	[0.77 - 1.08]
Cervix uteri (180)	58	43.79	1.32	[1.01 - 1.71]
Ovary (183)	48	37.22	1.29	[0.95 - 1.71]
Uterus (179,181-182)	27	36.08	0.75	[0.49 - 1.09]
Other female genital organs (184)	5	3.46	1.44	[0.47 - 3.37]
Prostate (185)	248	285.5	0.87	[0.76 - 0.98]
Testis (186)	27	47.35	0.57	[0.38 - 0.83]
Bladder (188)	168	159.41	1.05	[0.90 - 1.23]
Kidney (189)	83	93.12	0.89	[0.71 - 1.10]
Brain (191-192)	68	81.6	0.83	[0.65 - 1.06]
Thyroid (193)	4	21.93	0.18	[0.05 - 0.47]
Non-Hodgkins lymphoma (200,202)	60	77.32	0.78	[0.59 - 1.00]
Hodgkins disease (201)	25	25.56	0.98	[0.63 - 1.44]
Leukemia (204-208)	49	66.23	0.74	[0.55 - 0.98]
Other malignant neoplasms	372	427.59	0.87	[0.78 - 0.96]
Non malignant sites	121			

Table 4.4.16
Incidence from selected cancer sites

TOTAL COHORT
Ever exposed to DYES
Men

Cancer sites (ICD 9th.revision)	Observed	Expected	SIR	95% Conf.Interval
ALL MALIGNANT NEOPLASMS (140-208)	2045	2248.38	0.91	[0.87 - 0.95]
Buccal Pharynx (140-149)	69	71.71	0.96	[0.75 - 1.22]
Oesophagus (150)	22	28.6	0.77	[0.48 - 1.16]
Stomach (151)	144	150.12	0.96	[0.81 - 1.13]
Small intestine (152)	6	7.17	0.84	[0.31 - 1.82]
Large intestine and rectum(153-154)	258	276.26	0.93	[0.82 - 1.06]
Liver (155)	13	22.31	0.58	[0.31 - 1.00]
Pancreas (157)	58	72.58	0.80	[0.61 - 1.03]
Larynx (161)	34	35.42	0.96	[0.66 - 1.34]
Lung (162)	386	365.71	1.06	[0.95 - 1.17]
Bone (170)	1	6.82	0.15	[0.00 - 0.82]
Melanoma of skin (172)	72	83.06	0.87	[0.68 - 1.09]
Breast (174-175)	1	3.45	0.29	[0.01 - 1.62]
Cervix uteri (180)	0	-	-	-
Ovary (183)	0	-	-	-
Uterus (179,181-182)	0	-	-	-
Other female genital organs (184)	0	-	-	-
Prostate (185)	248	285.5	0.87	[0.76 - 0.98]
Testis (186)	27	47.35	0.57	[0.38 - 0.83]
Bladder (188)	155	148.36	1.04	[0.89 - 1.22]
Kidney (189)	73	79.95	0.91	[0.72 - 1.15]
Brain (191-192)	55	66.38	0.83	[0.62 - 1.08]
Thyroid (193)	4	12.63	0.32	[0.09 - 0.81]
Non-Hodgkins lymphoma (200,202)	51	64.38	0.79	[0.59 - 1.04]
Hodgkins disease (201)	22	22.09	1.00	[0.62 - 1.51]
Leukemia (204-208)	41	56.2	0.73	[0.52 - 0.99]
Other malignant neoplasms	305	345.81	0.88	[0.79 - 0.99]
Non malignant sites	88			

TOTAL COHORT
Ever exposed to DYES
Women

Cancer sites (ICD 9th.revision)	Observed	Expected	SIR	95% Conf.Interval
ALL MALIGNANT NEOPLASMS (140-208)	582	601.03	0.97	[0.89 - 1.05]
Buccal Pharynx (140-149)	7	6.67	1.05	[0.42 - 2.16]
Oesophagus (150)	4	2.79	1.44	[0.39 - 3.68]
Stomach (151)	22	21.06	1.04	[0.65 - 1.58]
Small intestine (152)	0	1.6	0.00	[0.00 - 2.30]
Large intestine and rectum(153-154)	57	63.04	0.90	[0.68 - 1.17]
Liver (155)	5	3.7	1.35	[0.44 - 3.15]
Pancreas (157)	12	14.46	0.83	[0.43 - 1.45]
Larynx (161)	3	1.27	2.37	[0.49 - 6.92]
Lung (162)	47	29.26	1.61	[1.18 - 2.14]
Bone (170)	1	1.1	0.91	[0.02 - 5.08]
Melanoma of skin (172)	19	23.84	0.80	[0.48 - 1.24]
Breast (174-175)	144	154.72	0.93	[0.78 - 1.10]
Cervix uteri (180)	58	43.79	1.32	[1.01 - 1.71]
Ovary (183)	48	37.22	1.29	[0.95 - 1.71]
Uterus (179,181-182)	27	36.08	0.75	[0.49 - 1.09]
Other female genital organs (184)	5	3.46	1.44	[0.47 - 3.37]
Prostate (185)	0	-	-	-
Testis (186)	0	-	-	-
Bladder (188)	13	11.05	1.18	[0.63 - 2.01]
Kidney (189)	10	13.17	0.76	[0.36 - 1.40]
Brain (191-192)	13	15.22	0.85	[0.45 - 1.46]
Thyroid (193)	0	9.31	0.00	[0.00 - 0.40]
Non-Hodgkins lymphoma (200,202)	9	12.93	0.70	[0.32 - 1.32]
Hodgkins disease (201)	3	3.47	0.86	[0.18 - 2.52]
Leukemia (204-208)	8	10.03	0.80	[0.34 - 1.57]
Other malignant neoplasms	67	81.78	0.82	[0.63 - 1.04]
Non malignant sites	33			

Table 4.4.17
Incidence from selected cancer sites

TOTAL COHORT

Ever exposed to EPI (epichlorohydrine derivatives)

Cancer sites (ICD 9th.revision)	Observed	Expected	SIR	95% Conf.Interval
ALL MALIGNANT NEOPLASMS (140-208)	1038	1284.56	0.81	[0.76 - 0.86]
Buccal Pharynx (140-149)	27	34.54	0.78	[0.52 - 1.14]
Oesophagus (150)	10	14.92	0.67	[0.32 - 1.23]
Stomach (151)	76	82.5	0.92	[0.73 - 1.15]
Small intestine (152)	4	4.09	0.98	[0.27 - 2.51]
Large intestine and rectum(153-154)	105	128.75	0.82	[0.67 - 0.99]
Liver (155)	9	14.07	0.64	[0.29 - 1.21]
Pancreas (157)	27	40.06	0.67	[0.44 - 0.98]
Larynx (161)	18	17.33	1.04	[0.62 - 1.64]
Lung (162)	178	197.05	0.90	[0.78 - 1.05]
Bone (170)	2	4.09	0.49	[0.06 - 1.77]
Melanoma of skin (172)	41	37.36	1.10	[0.79 - 1.49]
Breast (174-175)	62	75.87	0.82	[0.63 - 1.05]
Cervix uteri (180)	23	17.37	1.32	[0.84 - 1.99]
Ovary (183)	19	16.45	1.15	[0.70 - 1.80]
Uterus (179,181-182)	14	18.22	0.77	[0.42 - 1.29]
Other female genital organs (184)	5	1.66	3.00	[0.98 - 7.01]
Prostate (185)	86	113.85	0.76	[0.60 - 0.93]
Testis (186)	9	16.31	0.55	[0.25 - 1.05]
Bladder (188)	63	64.34	0.98	[0.75 - 1.25]
Kidney (189)	30	41.72	0.72	[0.49 - 1.03]
Brain (191-192)	33	33.5	0.99	[0.68 - 1.38]
Thyroid (193)	2	9.95	0.20	[0.02 - 0.73]
Non-Hodgkins lymphoma (200,202)	17	33.79	0.50	[0.29 - 0.81]
Hodgkins disease (201)	14	11.57	1.21	[0.66 - 2.03]
Leukemia (204-208)	22	29.5	0.75	[0.47 - 1.13]
Other malignant neoplasms	142	227.06	0.63	[0.53 - 0.74]
Non malignant sites	50			

Table 4.4.18
Incidence from selected cancer sites

TOTAL COHORT

Ever exposed to EPI (epichlorohydrine derivatives)

Men

Cancer sites (ICD 9th.revision)	Observed	Expected	SIR	95% Conf.Interval
ALL MALIGNANT NEOPLASMS (140-208)	788	982.36	0.80	[0.75 - 0.86]
Buccal Pharynx (140-149)	22	30.87	0.71	[0.45 - 1.08]
Oesophagus (150)	5	12.6	0.40	[0.13 - 0.93]
Stomach (151)	65	69.27	0.94	[0.72 - 1.20]
Small intestine (152)	4	3.3	1.21	[0.33 - 3.11]
Large intestine and rectum(153-154)	84	100.75	0.83	[0.67 - 1.03]
Liver (155)	6	11.53	0.52	[0.19 - 1.13]
Pancreas (157)	21	31.83	0.66	[0.41 - 1.01]
Larynx (161)	16	16.65	0.96	[0.55 - 1.56]
Lung (162)	165	183.31	0.90	[0.77 - 1.05]
Bone (170)	2	3.43	0.58	[0.07 - 2.10]
Melanoma of skin (172)	33	29.19	1.13	[0.78 - 1.59]
Breast (174-175)	0	1.36	0.00	[0.00 - 2.72]
Cervix uteri (180)	0	-	-	-
Ovary (183)	0	-	-	-
Uterus (179,181-182)	0	-	-	-
Other female genital organs (184)	0	-	-	-
Prostate (185)	86	113.85	0.76	[0.60 - 0.93]
Testis (186)	9	16.31	0.55	[0.25 - 1.05]
Bladder (188)	58	59.28	0.98	[0.74 - 1.26]
Kidney (189)	28	34.65	0.81	[0.54 - 1.17]
Brain (191-192)	27	26.86	1.01	[0.66 - 1.46]
Thyroid (193)	2	5.53	0.36	[0.04 - 1.31]
Non-Hodgkins lymphoma (200,202)	16	27.39	0.58	[0.33 - 0.95]
Hodgkins disease (201)	12	9.94	1.21	[0.62 - 2.11]
Leukemia (204-208)	15	24.2	0.62	[0.35 - 1.02]
Other malignant neoplasms	112	171.61	0.65	[0.54 - 0.79]
Non malignant sites	35			

TOTAL COHORT

Ever exposed to EPI (epichlorohydrine derivatives)

Women

Cancer sites (ICD 9th.revision)	Observed	Expected	SIR	95% Conf.Interval
ALL MALIGNANT NEOPLASMS (140-208)	250	302.19	0.83	[0.73 - 0.94]
Buccal Pharynx (140-149)	5	3.67	1.36	[0.44 - 3.18]
Oesophagus (150)	5	2.32	2.15	[0.70 - 5.02]
Stomach (151)	11	13.23	0.83	[0.41 - 1.49]
Small intestine (152)	0	0.79	0.00	[0.00 - 4.66]
Large intestine and rectum(153-154)	21	28	0.75	[0.46 - 1.15]
Liver (155)	3	2.55	1.18	[0.24 - 3.44]
Pancreas (157)	6	8.23	0.73	[0.27 - 1.59]
Larynx (161)	2	0.67	2.97	[0.36 - 10.7]
Lung (162)	13	13.74	0.95	[0.50 - 1.62]
Bone (170)	0	0.66	0.00	[0.00 - 5.63]
Melanoma of skin (172)	8	8.17	0.98	[0.42 - 1.93]
Breast (174-175)	62	74.51	0.83	[0.64 - 1.07]
Cervix uteri (180)	23	17.37	1.32	[0.84 - 1.99]
Ovary (183)	19	16.45	1.15	[0.70 - 1.80]
Uterus (179,181-182)	14	18.22	0.77	[0.42 - 1.29]
Other female genital organs (184)	5	1.66	3.00	[0.98 - 7.01]
Prostate (185)	0	-	-	-
Testis (186)	0	-	-	-
Bladder (188)	5	5.05	0.99	[0.32 - 2.31]
Kidney (189)	2	7.07	0.28	[0.03 - 1.02]
Brain (191-192)	6	6.63	0.90	[0.33 - 1.97]
Thyroid (193)	0	4.42	0.00	[0.00 - 0.84]
Non-Hodgkins lymphoma (200,202)	1	6.39	0.16	[0.00 - 0.87]
Hodgkins disease (201)	2	1.63	1.23	[0.15 - 4.43]
Leukemia (204-208)	7	5.3	1.32	[0.53 - 2.72]
Other malignant neoplasms	30	55.44	0.54	[0.37 - 0.77]
Non malignant sites	15			

Table 4.4.19
Incidence from selected cancer sites

TOTAL COHORT

Ever exposed to FORM (formaldehyde)

Cancer sites (ICD 9th.revision)	Observed	Expected	SIR	95% Conf.Interval
ALL MALIGNANT NEOPLASMS (140-208)	2325	2587.48	0.90	[0.86 - 0.94]
Buccal Pharynx (140-149)	75	70.29	1.07	[0.84 - 1.34]
Oesophagus (150)	30	28.94	1.04	[0.70 - 1.48]
Stomach (151)	143	164.54	0.87	[0.73 - 1.02]
Small intestine (152)	6	7.89	0.76	[0.28 - 1.65]
Large intestine and rectum(153-154)	257	300.87	0.85	[0.75 - 0.97]
Liver (155)	20	24.26	0.82	[0.50 - 1.27]
Pancreas (157)	83	80.97	1.03	[0.82 - 1.27]
Larynx (161)	36	32.82	1.10	[0.77 - 1.52]
Lung (162)	366	356.4	1.03	[0.92 - 1.14]
Bone (170)	3	6.73	0.45	[0.09 - 1.30]
Melanoma of skin (172)	72	86.34	0.83	[0.65 - 1.05]
Breast (174-175)	138	143.45	0.96	[0.81 - 1.14]
Cervix uteri (180)	49	39.38	1.24	[0.92 - 1.65]
Ovary (183)	46	33.31	1.38	[1.01 - 1.84]
Uterus (179,181-182)	24	33.01	0.73	[0.47 - 1.08]
Other female genital organs (184)	9	3.09	2.92	[1.33 - 5.54]
Prostate (185)	242	275.57	0.88	[0.77 - 1.00]
Testis (186)	20	37.42	0.53	[0.33 - 0.83]
Bladder (188)	148	144.53	1.02	[0.87 - 1.20]
Kidney (189)	72	84.18	0.86	[0.67 - 1.08]
Brain (191-192)	51	70.26	0.73	[0.54 - 0.95]
Thyroid (193)	5	19.43	0.26	[0.08 - 0.60]
Non-Hodgkins lymphoma (200,202)	49	67.75	0.72	[0.54 - 0.96]
Hodgkins disease (201)	20	21.75	0.92	[0.56 - 1.42]
Leukemia (204-208)	46	59.59	0.77	[0.57 - 1.03]
Other malignant neoplasms	315	397.77	0.79	[0.71 - 0.88]
Non malignant sites	100			

Table 4.4.20
Incidence from selected cancer sites

TOTAL COHORT

Ever exposed to FORM (formaldehyde)

Men

Cancer sites (ICD 9th.revision)	Observed	Expected	SIR	95% Conf.Interval
ALL MALIGNANT NEOPLASMS (140-208)	1793	2033.77	0.88	[0.84 - 0.92]
Buccal Pharynx (140-149)	66	63.95	1.03	[0.80 - 1.31]
Oesophagus (150)	23	25.83	0.89	[0.56 - 1.34]
Stomach (151)	119	143.22	0.83	[0.69 - 0.99]
Small intestine (152)	6	6.44	0.93	[0.34 - 2.03]
Large intestine and rectum(153-154)	212	244.95	0.87	[0.75 - 0.99]
Liver (155)	15	20.59	0.73	[0.41 - 1.20]
Pancreas (157)	70	67.29	1.04	[0.81 - 1.31]
Larynx (161)	33	31.63	1.04	[0.72 - 1.47]
Lung (162)	328	329.94	0.99	[0.89 - 1.11]
Bone (170)	2	5.65	0.35	[0.04 - 1.28]
Melanoma of skin (172)	58	66.27	0.88	[0.66 - 1.13]
Breast (174-175)	3	3.05	0.98	[0.20 - 2.88]
Cervix uteri (180)	0	-	-	-
Ovary (183)	0	-	-	-
Uterus (179,181-182)	0	-	-	-
Other female genital organs (184)	0	-	-	-
Prostate (185)	242	275.57	0.88	[0.77 - 1.00]
Testis (186)	20	37.42	0.53	[0.33 - 0.83]
Bladder (188)	138	134.63	1.03	[0.86 - 1.21]
Kidney (189)	62	72.06	0.86	[0.66 - 1.10]
Brain (191-192)	41	56.67	0.72	[0.52 - 0.98]
Thyroid (193)	5	10.97	0.46	[0.15 - 1.06]
Non-Hodgkins lymphoma (200,202)	41	56.08	0.73	[0.52 - 0.99]
Hodgkins disease (201)	18	18.52	0.97	[0.58 - 1.54]
Leukemia (204-208)	38	50.19	0.76	[0.54 - 1.04]
Other malignant neoplasms	253	315.92	0.80	[0.71 - 0.91]
Non malignant sites	68			

TOTAL COHORT

Ever exposed to FORM (formaldehyde)

Women

Cancer sites (ICD 9th.revision)	Observed	Expected	SIR	95% Conf.Interval
ALL MALIGNANT NEOPLASMS (140-208)	532	553.71	0.96	[0.88 - 1.05]
Buccal Pharynx (140-149)	9	6.34	1.42	[0.65 - 2.69]
Oesophagus (150)	7	3.11	2.25	[0.91 - 4.64]
Stomach (151)	24	21.32	1.13	[0.72 - 1.67]
Small intestine (152)	0	1.46	0.00	[0.00 - 2.53]
Large intestine and rectum(153-154)	45	55.92	0.80	[0.59 - 1.08]
Liver (155)	5	3.67	1.36	[0.44 - 3.18]
Pancreas (157)	13	13.69	0.95	[0.51 - 1.62]
Larynx (161)	3	1.19	2.51	[0.52 - 7.34]
Lung (162)	38	26.46	1.44	[1.02 - 1.97]
Bone (170)	1	1.08	0.92	[0.02 - 5.14]
Melanoma of skin (172)	14	20.07	0.70	[0.38 - 1.17]
Breast (174-175)	135	140.4	0.96	[0.81 - 1.14]
Cervix uteri (180)	49	39.38	1.24	[0.92 - 1.65]
Ovary (183)	46	33.31	1.38	[1.01 - 1.84]
Uterus (179,181-182)	24	33.01	0.73	[0.47 - 1.08]
Other female genital organs (184)	9	3.09	2.92	[1.33 - 5.54]
Prostate (185)	0	-	-	-
Testis (186)	0	-	-	-
Bladder (188)	10	9.9	1.01	[0.48 - 1.86]
Kidney (189)	10	12.13	0.82	[0.40 - 1.52]
Brain (191-192)	10	13.59	0.74	[0.35 - 1.35]
Thyroid (193)	0	8.45	0.00	[0.00 - 0.44]
Non-Hodgkins lymphoma (200,202)	8	11.66	0.69	[0.30 - 1.35]
Hodgkins disease (201)	2	3.23	0.62	[0.07 - 2.24]
Leukemia (204-208)	8	9.4	0.85	[0.37 - 1.68]
Other malignant neoplasms	62	81.86	0.76	[0.58 - 0.97]
Non malignant sites	32			

Table 4.4.21
Incidence from selected cancer sites

TOTAL COHORT

Ever exposed to FUNG (fungal spores and bacteria)

Cancer sites (ICD 9th.revision)	Observed	Expected	SIR	95% Conf.Interval
ALL MALIGNANT NEOPLASMS (140-208)	3581	3923.6	0.91	[0.88 - 0.94]
Buccal Pharynx (140-149)	110	112.17	0.98	[0.81 - 1.18]
Oesophagus (150)	40	45.98	0.87	[0.62 - 1.18]
Stomach (151)	245	269.11	0.91	[0.80 - 1.03]
Small intestine (152)	10	12.23	0.82	[0.39 - 1.50]
Large intestine and rectum(153-154)	444	465.94	0.95	[0.87 - 1.05]
Liver (155)	29	36.62	0.79	[0.53 - 1.14]
Pancreas (157)	119	126.77	0.94	[0.78 - 1.12]
Larynx (161)	51	51.2	1.00	[0.74 - 1.31]
Lung (162)	594	554.66	1.07	[0.99 - 1.16]
Bone (170)	5	10.47	0.48	[0.15 - 1.11]
Melanoma of skin (172)	117	135.41	0.86	[0.71 - 1.04]
Breast (174-175)	159	164.89	0.96	[0.82 - 1.13]
Cervix uteri (180)	54	44.52	1.21	[0.91 - 1.58]
Ovary (183)	46	38.44	1.20	[0.88 - 1.60]
Uterus (179,181-182)	26	38.05	0.68	[0.45 - 1.00]
Other female genital organs (184)	8	3.68	2.17	[0.94 - 4.28]
Prostate (185)	407	468.35	0.87	[0.79 - 0.96]
Testis (186)	37	57.44	0.64	[0.45 - 0.89]
Bladder (188)	222	220.85	1.01	[0.88 - 1.15]
Kidney (189)	112	130.64	0.86	[0.71 - 1.03]
Brain (191-192)	93	106.69	0.87	[0.70 - 1.07]
Thyroid (193)	9	28.23	0.32	[0.15 - 0.61]
Non-Hodgkins lymphoma (200,202)	81	105.07	0.77	[0.61 - 0.96]
Hodgkins disease (201)	26	33.23	0.78	[0.51 - 1.15]
Leukemia (204-208)	66	91.62	0.72	[0.56 - 0.92]
Other malignant neoplasms	471	576.27	0.82	[0.75 - 0.89]
Non malignant sites	121			

Table 4.4.22
Incidence from selected cancer sites

TOTAL COHORT

Ever exposed to FUNG (fungal spores and bacteria)

Men

Cancer sites (ICD 9th.revision)	Observed	Expected	SIR	95% Conf.Interval
ALL MALIGNANT NEOPLASMS (140-208)	2980	3281.09	0.91	[0.88 - 0.94]
Buccal Pharynx (140-149)	99	104.67	0.95	[0.77 - 1.15]
Oesophagus (150)	33	42.15	0.78	[0.54 - 1.10]
Stomach (151)	219	242.61	0.90	[0.79 - 1.03]
Small intestine (152)	10	10.51	0.95	[0.46 - 1.75]
Large intestine and rectum(153-154)	388	398.97	0.97	[0.88 - 1.07]
Liver (155)	22	32.35	0.68	[0.43 - 1.03]
Pancreas (157)	103	110.15	0.94	[0.76 - 1.13]
Larynx (161)	48	49.89	0.96	[0.71 - 1.28]
Lung (162)	551	524.72	1.05	[0.96 - 1.14]
Bone (170)	4	9.24	0.43	[0.12 - 1.11]
Melanoma of skin (172)	100	111.86	0.89	[0.73 - 1.09]
Breast (174-175)	4	4.91	0.81	[0.22 - 2.09]
Cervix uteri (180)	0	-	-	-
Ovary (183)	0	-	-	-
Uterus (179,181-182)	0	-	-	-
Other female genital organs (184)	0	-	-	-
Prostate (185)	407	468.35	0.87	[0.79 - 0.96]
Testis (186)	37	57.44	0.64	[0.45 - 0.89]
Bladder (188)	208	209.37	0.99	[0.86 - 1.14]
Kidney (189)	101	116.49	0.87	[0.71 - 1.05]
Brain (191-192)	80	91.28	0.88	[0.69 - 1.09]
Thyroid (193)	9	18.32	0.49	[0.22 - 0.93]
Non-Hodgkins lymphoma (200,202)	75	91.25	0.82	[0.65 - 1.03]
Hodgkins disease (201)	23	29.61	0.78	[0.49 - 1.17]
Leukemia (204-208)	58	80.67	0.72	[0.55 - 0.93]
Other malignant neoplasms	401	481.19	0.83	[0.75 - 0.92]
Non malignant sites	91			

TOTAL COHORT

Ever exposed to FUNG (fungal spores and bacteria)

Women

Cancer sites (ICD 9th.revision)	Observed	Expected	SIR	95% Conf.Interval
ALL MALIGNANT NEOPLASMS (140-208)	601	642.51	0.94	[0.86 - 1.01]
Buccal Pharynx (140-149)	11	7.5	1.47	[0.73 - 2.62]
Oesophagus (150)	7	3.83	1.83	[0.73 - 3.77]
Stomach (151)	26	26.5	0.98	[0.64 - 1.44]
Small intestine (152)	0	1.71	0.00	[0.00 - 2.15]
Large intestine and rectum(153-154)	56	66.97	0.84	[0.63 - 1.09]
Liver (155)	7	4.27	1.64	[0.66 - 3.37]
Pancreas (157)	16	16.61	0.96	[0.55 - 1.56]
Larynx (161)	3	1.31	2.30	[0.47 - 6.71]
Lung (162)	43	29.94	1.44	[1.04 - 1.93]
Bone (170)	1	1.23	0.81	[0.02 - 4.53]
Melanoma of skin (172)	17	23.56	0.72	[0.42 - 1.16]
Breast (174-175)	155	159.98	0.97	[0.82 - 1.13]
Cervix uteri (180)	54	44.52	1.21	[0.91 - 1.58]
Ovary (183)	46	38.44	1.20	[0.88 - 1.60]
Uterus (179,181-182)	26	38.05	0.68	[0.45 - 1.00]
Other female genital organs (184)	8	3.68	2.17	[0.94 - 4.28]
Prostate (185)	0	-	-	-
Testis (186)	0	-	-	-
Bladder (188)	14	11.48	1.22	[0.67 - 2.05]
Kidney (189)	11	14.14	0.78	[0.39 - 1.39]
Brain (191-192)	13	15.41	0.84	[0.45 - 1.44]
Thyroid (193)	0	9.91	0.00	[0.00 - 0.37]
Non-Hodgkins lymphoma (200,202)	6	13.82	0.43	[0.16 - 0.94]
Hodgkins disease (201)	3	3.61	0.83	[0.17 - 2.43]
Leukemia (204-208)	8	10.95	0.73	[0.32 - 1.44]
Other malignant neoplasms	70	95.08	0.74	[0.57 - 0.93]
Non malignant sites	30			

Table 4.4.23
Incidence from selected cancer sites

TOTAL COHORT

Ever exposed to HG (mercury compounds)

Cancer sites (ICD 9th.revision)	Observed	Expected	SIR	95% Conf.Interval
ALL MALIGNANT NEOPLASMS (140-208)	912	995.12	0.92	[0.86 - 0.98]
Buccal Pharynx (140-149)	23	28.49	0.81	[0.51 - 1.21]
Oesophagus (150)	5	11.45	0.44	[0.14 - 1.02]
Stomach (151)	69	65.96	1.05	[0.81 - 1.32]
Small intestine (152)	2	3.26	0.61	[0.07 - 2.22]
Large intestine and rectum(153-154)	116	115.62	1.00	[0.83 - 1.20]
Liver (155)	8	10.25	0.78	[0.34 - 1.54]
Pancreas (157)	26	32.46	0.80	[0.52 - 1.17]
Larynx (161)	14	13.82	1.01	[0.55 - 1.70]
Lung (162)	142	148.96	0.95	[0.80 - 1.12]
Bone (170)	0	2.59	0.00	[0.00 - 1.42]
Melanoma of skin (172)	35	28.34	1.23	[0.86 - 1.72]
Breast (174-175)	39	35.58	1.10	[0.78 - 1.50]
Cervix uteri (180)	11	6.23	1.77	[0.88 - 3.16]
Ovary (183)	5	7.64	0.65	[0.21 - 1.53]
Uterus (179,181-182)	10	8.02	1.25	[0.60 - 2.29]
Other female genital organs (184)	1	0.71	1.40	[0.04 - 7.80]
Prostate (185)	97	117.37	0.83	[0.67 - 1.01]
Testis (186)	10	11.09	0.90	[0.43 - 1.66]
Bladder (188)	53	60.57	0.87	[0.66 - 1.14]
Kidney (189)	30	35.07	0.86	[0.58 - 1.22]
Brain (191-192)	25	27.18	0.92	[0.60 - 1.36]
Thyroid (193)	1	7.11	0.14	[0.00 - 0.78]
Non-Hodgkins lymphoma (200,202)	22	26.57	0.83	[0.52 - 1.25]
Hodgkins disease (201)	9	8.44	1.07	[0.49 - 2.02]
Leukemia (204-208)	18	23.8	0.76	[0.45 - 1.20]
Other malignant neoplasms	141	159.82	0.88	[0.74 - 1.04]
Non malignant sites	42			

Table 4.4.24
Incidence from selected cancer sites

TOTAL COHORT

Ever exposed to HG (mercury compounds)

Men

Cancer sites (ICD 9th.revision)	Observed	Expected	SIR	95% Conf.Interval
ALL MALIGNANT NEOPLASMS (140-208)	786	870.51	0.90	[0.84 - 0.97]
Buccal Pharynx (140-149)	21	27.07	0.78	[0.48 - 1.19]
Oesophagus (150)	4	10.81	0.37	[0.10 - 0.95]
Stomach (151)	66	61.04	1.08	[0.84 - 1.38]
Small intestine (152)	2	2.88	0.70	[0.08 - 2.51]
Large intestine and rectum(153-154)	99	104.05	0.95	[0.77 - 1.16]
Liver (155)	6	9.35	0.64	[0.24 - 1.40]
Pancreas (157)	24	29.32	0.82	[0.52 - 1.22]
Larynx (161)	14	13.63	1.03	[0.56 - 1.72]
Lung (162)	135	144.25	0.94	[0.78 - 1.11]
Bone (170)	0	2.32	0.00	[0.00 - 1.59]
Melanoma of skin (172)	30	24.28	1.24	[0.83 - 1.76]
Breast (174-175)	0	1.31	0.00	[0.00 - 2.83]
Cervix uteri (180)	0	-	-	-
Ovary (183)	0	-	-	-
Uterus (179,181-182)	0	-	-	-
Other female genital organs (184)	0	-	-	-
Prostate (185)	97	117.37	0.83	[0.67 - 1.01]
Testis (186)	10	11.09	0.90	[0.43 - 1.66]
Bladder (188)	53	58.7	0.90	[0.68 - 1.18]
Kidney (189)	30	32	0.94	[0.63 - 1.34]
Brain (191-192)	22	23.95	0.92	[0.58 - 1.39]
Thyroid (193)	1	4.6	0.22	[0.01 - 1.21]
Non-Hodgkins lymphoma (200,202)	21	23.55	0.89	[0.55 - 1.36]
Hodgkins disease (201)	7	7.72	0.91	[0.36 - 1.87]
Leukemia (204-208)	16	21.7	0.74	[0.42 - 1.20]
Other malignant neoplasms	128	140.83	0.91	[0.76 - 1.08]
Non malignant sites	42			

TOTAL COHORT

Ever exposed to HG (mercury compounds)

Women

Cancer sites (ICD 9th.revision)	Observed	Expected	SIR	95% Conf.Interval
ALL MALIGNANT NEOPLASMS (140-208)	126	124.61	1.01	[0.84 - 1.20]
Buccal Pharynx (140-149)	2	1.42	1.41	[0.17 - 5.09]
Oesophagus (150)	1	0.64	1.56	[0.04 - 8.68]
Stomach (151)	3	4.92	0.61	[0.13 - 1.78]
Small intestine (152)	0	0.38	0.00	[0.00 - 9.64]
Large intestine and rectum(153-154)	17	11.57	1.47	[0.86 - 2.35]
Liver (155)	2	0.9	2.23	[0.27 - 8.05]
Pancreas (157)	2	3.14	0.64	[0.08 - 2.30]
Larynx (161)	0	0.2	0.00	[0.00 - 18.8]
Lung (162)	7	4.72	1.48	[0.60 - 3.06]
Bone (170)	0	0.27	0.00	[0.00 - 13.9]
Melanoma of skin (172)	5	4.06	1.23	[0.40 - 2.88]
Breast (174-175)	39	34.28	1.14	[0.81 - 1.56]
Cervix uteri (180)	11	6.23	1.77	[0.88 - 3.16]
Ovary (183)	5	7.64	0.65	[0.21 - 1.53]
Uterus (179,181-182)	10	8.02	1.25	[0.60 - 2.29]
Other female genital organs (184)	1	0.71	1.40	[0.04 - 7.80]
Prostate (185)	0	-	-	-
Testis (186)	0	-	-	-
Bladder (188)	0	1.87	0.00	[0.00 - 1.97]
Kidney (189)	0	3.07	0.00	[0.00 - 1.20]
Brain (191-192)	3	3.23	0.93	[0.19 - 2.71]
Thyroid (193)	0	2.51	0.00	[0.00 - 1.47]
Non-Hodgkins lymphoma (200,202)	1	3.03	0.33	[0.01 - 1.84]
Hodgkins disease (201)	2	0.72	2.77	[0.33 - 9.99]
Leukemia (204-208)	2	2.1	0.95	[0.12 - 3.44]
Other malignant neoplasms	13	18.99	0.68	[0.36 - 1.17]
Non malignant sites	0			

Table 4.4.25
Incidence from selected cancer sites

TOTAL COHORT

Ever exposed to HYDR (hydrazine)

Cancer sites (ICD 9th.revision)	Observed	Expected	SIR	95% Conf.Interval
ALL MALIGNANT NEOPLASMS (140-208)	144	168.63	0.85	[0.72 - 1.01]
Buccal Pharynx (140-149)	4	5.21	0.77	[0.21 - 1.96]
Oesophagus (150)	1	2.13	0.47	[0.01 - 2.61]
Stomach (151)	13	13	1.00	[0.53 - 1.71]
Small intestine (152)	0	0.57	0.00	[0.00 - 6.45]
Large intestine and rectum(153-154)	18	16.69	1.08	[0.64 - 1.70]
Liver (155)	1	1.94	0.52	[0.01 - 2.88]
Pancreas (157)	4	5.73	0.70	[0.19 - 1.79]
Larynx (161)	4	2.72	1.47	[0.40 - 3.76]
Lung (162)	25	31.19	0.80	[0.52 - 1.18]
Bone (170)	0	0.56	0.00	[0.00 - 6.64]
Melanoma of skin (172)	7	4.73	1.48	[0.60 - 3.05]
Breast (174-175)	3	3.01	1.00	[0.21 - 2.91]
Cervix uteri (180)	1	0.54	1.85	[0.05 - 10.3]
Ovary (183)	0	0.63	0.00	[0.00 - 5.87]
Uterus (179,181-182)	1	0.77	1.29	[0.03 - 7.21]
Other female genital organs (184)	0	0.08	0.00	[0.00 - 47.7]
Prostate (185)	19	18.92	1.00	[0.60 - 1.57]
Testis (186)	4	1.58	2.53	[0.69 - 6.47]
Bladder (188)	7	8.67	0.81	[0.32 - 1.66]
Kidney (189)	3	5.99	0.50	[0.10 - 1.46]
Brain (191-192)	1	4.29	0.23	[0.01 - 1.30]
Thyroid (193)	1	1.13	0.88	[0.02 - 4.93]
Non-Hodgkins lymphoma (200,202)	5	4.62	1.08	[0.35 - 2.53]
Hodgkins disease (201)	1	1.5	0.67	[0.02 - 3.71]
Leukemia (204-208)	2	3.86	0.52	[0.06 - 1.87]
Other malignant neoplasms	19	28.77	0.66	[0.40 - 1.03]
Non malignant sites	2			

Table 4.4.26
Incidence from selected cancer sites

TOTAL COHORT

Ever exposed to HYDR (hydrazine)

Men

Cancer sites (ICD 9th.revision)	Observed	Expected	SIR	95% Conf.Interval
ALL MALIGNANT NEOPLASMS (140-208)	134	155.92	0.86	[0.72 - 1.02]
Buccal Pharynx (140-149)	4	5.04	0.79	[0.22 - 2.03]
Oesophagus (150)	1	1.99	0.50	[0.01 - 2.80]
Stomach (151)	12	12.23	0.98	[0.51 - 1.71]
Small intestine (152)	0	0.54	0.00	[0.00 - 6.89]
Large intestine and rectum(153-154)	17	15.62	1.09	[0.63 - 1.74]
Liver (155)	1	1.79	0.56	[0.01 - 3.11]
Pancreas (157)	3	5.3	0.57	[0.12 - 1.65]
Larynx (161)	4	2.7	1.48	[0.40 - 3.79]
Lung (162)	24	30.75	0.78	[0.50 - 1.16]
Bone (170)	0	0.53	0.00	[0.00 - 7.01]
Melanoma of skin (172)	7	4.46	1.57	[0.63 - 3.24]
Breast (174-175)	0	0.2	0.00	[0.00 - 18.2]
Cervix uteri (180)	0	-	-	-
Ovary (183)	0	-	-	-
Uterus (179,181-182)	0	-	-	-
Other female genital organs (184)	0	-	-	-
Prostate (185)	19	18.92	1.00	[0.60 - 1.57]
Testis (186)	4	1.58	2.53	[0.69 - 6.47]
Bladder (188)	7	8.5	0.82	[0.33 - 1.70]
Kidney (189)	3	5.68	0.53	[0.11 - 1.54]
Brain (191-192)	1	4.05	0.25	[0.01 - 1.37]
Thyroid (193)	1	0.92	1.09	[0.03 - 6.05]
Non-Hodgkins lymphoma (200,202)	5	4.32	1.16	[0.38 - 2.70]
Hodgkins disease (201)	1	1.44	0.69	[0.02 - 3.87]
Leukemia (204-208)	1	3.63	0.28	[0.01 - 1.53]
Other malignant neoplasms	19	25.93	0.73	[0.44 - 1.14]
Non malignant sites	2			

TOTAL COHORT

Ever exposed to HYDR (hydrazine)

Women

Cancer sites (ICD 9th.revision)	Observed	Expected	SIR	95% Conf.Interval
ALL MALIGNANT NEOPLASMS (140-208)	10	12.7	0.79	[0.38 - 1.45]
Buccal Pharynx (140-149)	0	0.18	0.00	[0.00 - 20.7]
Oesophagus (150)	0	0.14	0.00	[0.00 - 25.6]
Stomach (151)	1	0.76	1.31	[0.03 - 7.28]
Small intestine (152)	0	0.04	0.00	[0.00 - 0102]
Large intestine and rectum(153-154)	1	1.07	0.93	[0.02 - 5.21]
Liver (155)	0	0.14	0.00	[0.00 - 26.1]
Pancreas (157)	1	0.43	2.34	[0.06 - 13.0]
Larynx (161)	0	0.02	0.00	[0.00 - 0181]
Lung (162)	1	0.44	2.28	[0.06 - 12.7]
Bone (170)	0	0.03	0.00	[0.00 - 0125]
Melanoma of skin (172)	0	0.27	0.00	[0.00 - 13.7]
Breast (174-175)	3	2.81	1.07	[0.22 - 3.12]
Cervix uteri (180)	1	0.54	1.85	[0.05 - 10.3]
Ovary (183)	0	0.63	0.00	[0.00 - 5.87]
Uterus (179,181-182)	1	0.77	1.29	[0.03 - 7.21]
Other female genital organs (184)	0	0.08	0.00	[0.00 - 47.7]
Prostate (185)	0	-	-	-
Testis (186)	0	-	-	-
Bladder (188)	0	0.17	0.00	[0.00 - 21.7]
Kidney (189)	0	0.31	0.00	[0.00 - 11.8]
Brain (191-192)	0	0.24	0.00	[0.00 - 15.3]
Thyroid (193)	0	0.21	0.00	[0.00 - 17.6]
Non-Hodgkins lymphoma (200,202)	0	0.3	0.00	[0.00 - 12.5]
Hodgkins disease (201)	0	0.06	0.00	[0.00 - 59.9]
Leukemia (204-208)	1	0.23	4.37	[0.11 - 24.4]
Other malignant neoplasms	0	2.83	0.00	[0.00 - 1.30]
Non malignant sites	0			

Table 4.4.27
Incidence from selected cancer sites

TOTAL COHORT
Ever exposed to LTX (latexes)

Cancer sites (ICD 9th.revision)	Observed	Expected	SIR	95% Conf.Interval
ALL MALIGNANT NEOPLASMS (140-208)	1149	1322.83	0.87	[0.82 - 0.92]
Buccal Pharynx (140-149)	35	38.03	0.92	[0.64 - 1.28]
Oesophagus (150)	9	15.54	0.58	[0.26 - 1.10]
Stomach (151)	71	94.58	0.75	[0.59 - 0.95]
Small intestine (152)	7	4.17	1.68	[0.68 - 3.46]
Large intestine and rectum(153-154)	122	139.86	0.87	[0.72 - 1.04]
Liver (155)	6	12.7	0.47	[0.17 - 1.03]
Pancreas (157)	39	42.78	0.91	[0.65 - 1.25]
Larynx (161)	18	18.19	0.99	[0.59 - 1.56]
Lung (162)	210	203.44	1.03	[0.90 - 1.18]
Bone (170)	0	4.26	0.00	[0.00 - 0.87]
Melanoma of skin (172)	53	44.18	1.20	[0.90 - 1.57]
Breast (174-175)	57	60.38	0.94	[0.71 - 1.22]
Cervix uteri (180)	13	12.5	1.04	[0.55 - 1.78]
Ovary (183)	17	13.45	1.26	[0.74 - 2.02]
Uterus (179,181-182)	8	14.39	0.56	[0.24 - 1.10]
Other female genital organs (184)	4	1.34	2.98	[0.81 - 7.64]
Prostate (185)	114	136.94	0.83	[0.69 - 1.00]
Testis (186)	18	18.78	0.96	[0.57 - 1.51]
Bladder (188)	75	67.36	1.11	[0.88 - 1.40]
Kidney (189)	42	44.17	0.95	[0.69 - 1.29]
Brain (191-192)	33	36.73	0.90	[0.62 - 1.26]
Thyroid (193)	2	11.48	0.17	[0.02 - 0.63]
Non-Hodgkins lymphoma (200,202)	26	36.63	0.71	[0.46 - 1.04]
Hodgkins disease (201)	10	12.44	0.80	[0.39 - 1.48]
Leukemia (204-208)	23	29.78	0.77	[0.49 - 1.16]
Other malignant neoplasms	137	210.22	0.65	[0.55 - 0.77]
Non malignant sites	21			

Table 4.4.28
Incidence from selected cancer sites

TOTAL COHORT
Ever exposed to LTX (latexes)
Men

Cancer sites (ICD 9th.revision)	Observed	Expected	SIR	95% Conf.Interval
ALL MALIGNANT NEOPLASMS (140-208)	947	1086.22	0.87	[0.82 - 0.93]
Buccal Pharynx (140-149)	32	35.04	0.91	[0.62 - 1.29]
Oesophagus (150)	6	13.56	0.44	[0.16 - 0.96]
Stomach (151)	60	82.4	0.73	[0.56 - 0.94]
Small intestine (152)	7	3.49	2.01	[0.81 - 4.14]
Large intestine and rectum(153-154)	102	118.44	0.86	[0.70 - 1.05]
Liver (155)	3	10.81	0.28	[0.06 - 0.81]
Pancreas (157)	33	36.16	0.91	[0.63 - 1.28]
Larynx (161)	18	17.83	1.01	[0.60 - 1.60]
Lung (162)	200	194.81	1.03	[0.89 - 1.18]
Bone (170)	0	3.7	0.00	[0.00 - 1.00]
Melanoma of skin (172)	42	36.48	1.15	[0.83 - 1.56]
Breast (174-175)	0	1.49	0.00	[0.00 - 2.48]
Cervix uteri (180)	0	-	-	-
Ovary (183)	0	-	-	-
Uterus (179,181-182)	0	-	-	-
Other female genital organs (184)	0	-	-	-
Prostate (185)	114	136.94	0.83	[0.69 - 1.00]
Testis (186)	18	18.78	0.96	[0.57 - 1.51]
Bladder (188)	70	64.08	1.09	[0.85 - 1.38]
Kidney (189)	39	38.7	1.01	[0.72 - 1.38]
Brain (191-192)	30	31.24	0.96	[0.65 - 1.37]
Thyroid (193)	2	6.71	0.30	[0.04 - 1.08]
Non-Hodgkins lymphoma (200,202)	26	31.03	0.84	[0.55 - 1.23]
Hodgkins disease (201)	8	11.07	0.72	[0.31 - 1.42]
Leukemia (204-208)	20	25.72	0.78	[0.47 - 1.20]
Other malignant neoplasms	117	169.25	0.69	[0.57 - 0.83]
Non malignant sites	21			

TOTAL COHORT
Ever exposed to LTX (latexes)
Women

Cancer sites (ICD 9th.revision)	Observed	Expected	SIR	95% Conf.Interval
ALL MALIGNANT NEOPLASMS (140-208)	202	236.61	0.85	[0.74 - 0.98]
Buccal Pharynx (140-149)	3	2.99	1.00	[0.21 - 2.93]
Oesophagus (150)	3	1.98	1.52	[0.31 - 4.43]
Stomach (151)	11	12.18	0.90	[0.45 - 1.62]
Small intestine (152)	0	0.68	0.00	[0.00 - 5.43]
Large intestine and rectum(153-154)	20	21.43	0.93	[0.57 - 1.44]
Liver (155)	3	1.89	1.58	[0.33 - 4.63]
Pancreas (157)	6	6.62	0.91	[0.33 - 1.97]
Larynx (161)	0	0.36	0.00	[0.00 - 10.2]
Lung (162)	10	8.62	1.16	[0.56 - 2.13]
Bone (170)	0	0.56	0.00	[0.00 - 6.59]
Melanoma of skin (172)	11	7.69	1.43	[0.71 - 2.56]
Breast (174-175)	57	58.9	0.97	[0.73 - 1.25]
Cervix uteri (180)	13	12.5	1.04	[0.55 - 1.78]
Ovary (183)	17	13.45	1.26	[0.74 - 2.02]
Uterus (179,181-182)	8	14.39	0.56	[0.24 - 1.10]
Other female genital organs (184)	4	1.34	2.98	[0.81 - 7.64]
Prostate (185)	0	-	-	-
Testis (186)	0	-	-	-
Bladder (188)	5	3.28	1.53	[0.50 - 3.56]
Kidney (189)	3	5.47	0.55	[0.11 - 1.60]
Brain (191-192)	3	5.49	0.55	[0.11 - 1.60]
Thyroid (193)	0	4.77	0.00	[0.00 - 0.77]
Non-Hodgkins lymphoma (200,202)	0	5.6	0.00	[0.00 - 0.66]
Hodgkins disease (201)	2	1.37	1.46	[0.18 - 5.28]
Leukemia (204-208)	3	4.06	0.74	[0.15 - 2.16]
Other malignant neoplasms	20	40.97	0.49	[0.30 - 0.75]
Non malignant sites	0			

Table 4.4.29
Incidence from selected cancer sites

TOTAL COHORT

Ever exposed to OILD (oils and synthetic fluids, dermal)

Cancer sites (ICD 9th.revision)	Observed	Expected	SIR	95% Conf.Interval
ALL MALIGNANT NEOPLASMS (140-208)	3489	3808.55	0.92	[0.89 - 0.95]
Buccal Pharynx (140-149)	107	110.67	0.97	[0.79 - 1.17]
Oesophagus (150)	36	45.12	0.80	[0.56 - 1.10]
Stomach (151)	249	262.59	0.95	[0.83 - 1.07]
Small intestine (152)	12	11.97	1.00	[0.52 - 1.75]
Large intestine and rectum(153-154)	442	451.41	0.98	[0.89 - 1.07]
Liver (155)	25	35.54	0.70	[0.46 - 1.04]
Pancreas (157)	116	123.81	0.94	[0.77 - 1.12]
Larynx (161)	53	50.8	1.04	[0.78 - 1.36]
Lung (162)	607	545.15	1.11	[1.03 - 1.21]
Bone (170)	5	10.38	0.48	[0.16 - 1.12]
Melanoma of skin (172)	124	133.34	0.93	[0.77 - 1.11]
Breast (174-175)	137	138.35	0.99	[0.83 - 1.17]
Cervix uteri (180)	41	35.44	1.16	[0.83 - 1.57]
Ovary (183)	43	32.23	1.33	[0.97 - 1.80]
Uterus (179,181-182)	18	32.01	0.56	[0.33 - 0.89]
Other female genital organs (184)	8	3.08	2.59	[1.12 - 5.11]
Prostate (185)	395	469.94	0.84	[0.76 - 0.93]
Testis (186)	36	59.56	0.60	[0.42 - 0.84]
Bladder (188)	208	218.23	0.95	[0.83 - 1.09]
Kidney (189)	105	128.61	0.82	[0.67 - 0.99]
Brain (191-192)	92	105.21	0.87	[0.70 - 1.07]
Thyroid (193)	11	27.3	0.40	[0.20 - 0.72]
Non-Hodgkins lymphoma (200,202)	94	104.06	0.90	[0.73 - 1.11]
Hodgkins disease (201)	29	33.11	0.88	[0.59 - 1.26]
Leukemia (204-208)	68	89.56	0.76	[0.59 - 0.96]
Other malignant neoplasms	428	555.97	0.77	[0.70 - 0.85]
Non malignant sites	111			

Table 4.4.30
Incidence from selected cancer sites

TOTAL COHORT

Ever exposed to OILD (oils and synthetic fluids, dermal)

Men

Cancer sites (ICD 9th.revision)	Observed	Expected	SIR	95% Conf.Interval
ALL MALIGNANT NEOPLASMS (140-208)	2996	3275.51	0.91	[0.88 - 0.95]
Buccal Pharynx (140-149)	100	104.41	0.96	[0.78 - 1.16]
Oesophagus (150)	30	41.9	0.72	[0.48 - 1.02]
Stomach (151)	222	240.16	0.92	[0.81 - 1.05]
Small intestine (152)	11	10.48	1.05	[0.52 - 1.88]
Large intestine and rectum(153-154)	400	396.48	1.01	[0.91 - 1.11]
Liver (155)	22	31.92	0.69	[0.43 - 1.04]
Pancreas (157)	101	109.88	0.92	[0.75 - 1.12]
Larynx (161)	50	49.79	1.00	[0.75 - 1.32]
Lung (162)	575	521.55	1.10	[1.01 - 1.20]
Bone (170)	4	9.32	0.43	[0.12 - 1.10]
Melanoma of skin (172)	111	113.6	0.98	[0.80 - 1.18]
Breast (174-175)	6	4.88	1.23	[0.45 - 2.68]
Cervix uteri (180)	0	-	-	-
Ovary (183)	0	-	-	-
Uterus (179,181-182)	0	-	-	-
Other female genital organs (184)	0	-	-	-
Prostate (185)	395	469.94	0.84	[0.76 - 0.93]
Testis (186)	36	59.56	0.60	[0.42 - 0.84]
Bladder (188)	198	208.94	0.95	[0.82 - 1.09]
Kidney (189)	97	116.65	0.83	[0.67 - 1.01]
Brain (191-192)	80	92.07	0.87	[0.69 - 1.08]
Thyroid (193)	11	18.57	0.59	[0.30 - 1.06]
Non-Hodgkins lymphoma (200,202)	88	92.28	0.95	[0.76 - 1.17]
Hodgkins disease (201)	27	30.04	0.90	[0.59 - 1.31]
Leukemia (204-208)	60	80.33	0.75	[0.57 - 0.96]
Other malignant neoplasms	372	477.67	0.78	[0.70 - 0.86]
Non malignant sites	91			

TOTAL COHORT

Ever exposed to OILD (oils and synthetic fluids, dermal)

Women

Cancer sites (ICD 9th.revision)	Observed	Expected	SIR	95% Conf.Interval
ALL MALIGNANT NEOPLASMS (140-208)	493	533.05	0.92	[0.85 - 1.01]
Buccal Pharynx (140-149)	7	6.26	1.12	[0.45 - 2.30]
Oesophagus (150)	6	3.22	1.86	[0.68 - 4.05]
Stomach (151)	27	22.43	1.20	[0.79 - 1.75]
Small intestine (152)	1	1.48	0.67	[0.02 - 3.76]
Large intestine and rectum(153-154)	42	54.93	0.76	[0.55 - 1.03]
Liver (155)	3	3.63	0.83	[0.17 - 2.42]
Pancreas (157)	15	13.93	1.08	[0.60 - 1.78]
Larynx (161)	3	1.01	2.97	[0.61 - 8.68]
Lung (162)	32	23.6	1.36	[0.93 - 1.91]
Bone (170)	1	1.05	0.95	[0.02 - 5.29]
Melanoma of skin (172)	13	19.75	0.66	[0.35 - 1.13]
Breast (174-175)	131	133.47	0.98	[0.82 - 1.16]
Cervix uteri (180)	41	35.44	1.16	[0.83 - 1.57]
Ovary (183)	43	32.23	1.33	[0.97 - 1.80]
Uterus (179,181-182)	18	32.01	0.56	[0.33 - 0.89]
Other female genital organs (184)	8	3.08	2.59	[1.12 - 5.11]
Prostate (185)	0	-	-	-
Testis (186)	0	-	-	-
Bladder (188)	10	9.29	1.08	[0.52 - 1.98]
Kidney (189)	8	11.96	0.67	[0.29 - 1.32]
Brain (191-192)	12	13.14	0.91	[0.47 - 1.60]
Thyroid (193)	0	8.74	0.00	[0.00 - 0.42]
Non-Hodgkins lymphoma (200,202)	6	11.78	0.51	[0.19 - 1.11]
Hodgkins disease (201)	2	3.07	0.65	[0.08 - 2.35]
Leukemia (204-208)	8	9.23	0.87	[0.37 - 1.71]
Other malignant neoplasms	56	78.3	0.72	[0.54 - 0.93]
Non malignant sites	20			

Table 4.4.31
Incidence from selected cancer sites

TOTAL COHORT

Ever exposed to OILI (oils and synthetic fluids, inhalatory)

Cancer sites (ICD 9th.revision)	Observed	Expected	SIR	95% Conf.Interval
ALL MALIGNANT NEOPLASMS (140-208)	481	597.55	0.80	[0.73 - 0.88]
Buccal Pharynx (140-149)	13	19.15	0.68	[0.36 - 1.16]
Oesophagus (150)	8	8.19	0.98	[0.42 - 1.93]
Stomach (151)	34	42.8	0.79	[0.55 - 1.11]
Small intestine (152)	2	2.01	1.00	[0.12 - 3.60]
Large intestine and rectum(153-154)	58	63.89	0.91	[0.69 - 1.17]
Liver (155)	5	6.88	0.73	[0.24 - 1.70]
Pancreas (157)	13	19	0.68	[0.36 - 1.17]
Larynx (161)	8	9.45	0.85	[0.37 - 1.67]
Lung (162)	105	107.62	0.98	[0.80 - 1.18]
Bone (170)	1	2.26	0.44	[0.01 - 2.46]
Melanoma of skin (172)	14	23.74	0.59	[0.32 - 0.99]
Breast (174-175)	11	11.28	0.98	[0.49 - 1.74]
Cervix uteri (180)	1	2.25	0.44	[0.01 - 2.48]
Ovary (183)	1	2.34	0.43	[0.01 - 2.38]
Uterus (179,181-182)	1	2.64	0.38	[0.01 - 2.11]
Other female genital organs (184)	1	0.28	3.62	[0.09 - 20.2]
Prostate (185)	42	64.2	0.65	[0.47 - 0.88]
Testis (186)	10	9.11	1.10	[0.53 - 2.02]
Bladder (188)	37	28.94	1.28	[0.90 - 1.76]
Kidney (189)	15	19.98	0.75	[0.42 - 1.24]
Brain (191-192)	20	15.81	1.26	[0.77 - 1.95]
Thyroid (193)	1	4	0.25	[0.01 - 1.39]
Non-Hodgkins lymphoma (200,202)	8	17.11	0.47	[0.20 - 0.92]
Hodgkins disease (201)	4	5.82	0.69	[0.19 - 1.76]
Leukemia (204-208)	10	14.34	0.70	[0.33 - 1.28]
Other malignant neoplasms	58	95.21	0.61	[0.46 - 0.79]
Non malignant sites	10			

Table 4.4.32
Incidence from selected cancer sites

TOTAL COHORT

Ever exposed to OILI (oils and synthetic fluids, inhalatory)

Men

Cancer sites (ICD 9th.revision)	Observed	Expected	SIR	95% Conf.Interval
ALL MALIGNANT NEOPLASMS (140-208)	444	552.3	0.80	[0.73 - 0.88]
Buccal Pharynx (140-149)	13	18.53	0.70	[0.37 - 1.20]
Oesophagus (150)	8	7.75	1.03	[0.45 - 2.03]
Stomach (151)	32	40.4	0.79	[0.54 - 1.12]
Small intestine (152)	2	1.88	1.06	[0.13 - 3.84]
Large intestine and rectum(153-154)	54	59.55	0.91	[0.68 - 1.18]
Liver (155)	5	6.46	0.77	[0.25 - 1.80]
Pancreas (157)	11	17.62	0.62	[0.31 - 1.12]
Larynx (161)	8	9.37	0.85	[0.37 - 1.68]
Lung (162)	102	105.89	0.96	[0.79 - 1.17]
Bone (170)	1	2.15	0.46	[0.01 - 2.59]
Melanoma of skin (172)	14	22.1	0.63	[0.35 - 1.06]
Breast (174-175)	0	0.77	0.00	[0.00 - 4.81]
Cervix uteri (180)	0	-	-	-
Ovary (183)	0	-	-	-
Uterus (179,181-182)	0	-	-	-
Other female genital organs (184)	0	-	-	-
Prostate (185)	42	64.2	0.65	[0.47 - 0.88]
Testis (186)	10	9.11	1.10	[0.53 - 2.02]
Bladder (188)	36	28.28	1.27	[0.89 - 1.76]
Kidney (189)	15	18.92	0.79	[0.44 - 1.31]
Brain (191-192)	18	14.87	1.21	[0.72 - 1.91]
Thyroid (193)	1	3.25	0.31	[0.01 - 1.71]
Non-Hodgkins lymphoma (200,202)	8	16.06	0.50	[0.22 - 0.98]
Hodgkins disease (201)	4	5.56	0.72	[0.20 - 1.84]
Leukemia (204-208)	8	13.51	0.59	[0.26 - 1.17]
Other malignant neoplasms	52	86.8	0.60	[0.45 - 0.79]
Non malignant sites	9			

TOTAL COHORT

Ever exposed to OILI (oils and synthetic fluids, inhalatory)

Women

Cancer sites (ICD 9th.revision)	Observed	Expected	SIR	95% Conf.Interval
ALL MALIGNANT NEOPLASMS (140-208)	37	45.25	0.82	[0.58 - 1.13]
Buccal Pharynx (140-149)	0	0.62	0.00	[0.00 - 5.96]
Oesophagus (150)	0	0.43	0.00	[0.00 - 8.53]
Stomach (151)	2	2.4	0.83	[0.10 - 3.01]
Small intestine (152)	0	0.13	0.00	[0.00 - 29.3]
Large intestine and rectum(153-154)	4	4.34	0.92	[0.25 - 2.36]
Liver (155)	0	0.41	0.00	[0.00 - 8.96]
Pancreas (157)	2	1.38	1.45	[0.18 - 5.25]
Larynx (161)	0	0.08	0.00	[0.00 - 46.9]
Lung (162)	3	1.74	1.73	[0.36 - 5.05]
Bone (170)	0	0.11	0.00	[0.00 - 33.1]
Melanoma of skin (172)	0	1.64	0.00	[0.00 - 2.25]
Breast (174-175)	11	10.51	1.05	[0.52 - 1.87]
Cervix uteri (180)	1	2.25	0.44	[0.01 - 2.48]
Ovary (183)	1	2.34	0.43	[0.01 - 2.38]
Uterus (179,181-182)	1	2.64	0.38	[0.01 - 2.11]
Other female genital organs (184)	1	0.28	3.62	[0.09 - 20.2]
Prostate (185)	0	-	-	-
Testis (186)	0	-	-	-
Bladder (188)	1	0.66	1.52	[0.04 - 8.49]
Kidney (189)	0	1.06	0.00	[0.00 - 3.48]
Brain (191-192)	2	0.94	2.12	[0.26 - 7.67]
Thyroid (193)	0	0.75	0.00	[0.00 - 4.94]
Non-Hodgkins lymphoma (200,202)	0	1.05	0.00	[0.00 - 3.52]
Hodgkins disease (201)	0	0.26	0.00	[0.00 - 14.2]
Leukemia (204-208)	2	0.83	2.40	[0.29 - 8.66]
Other malignant neoplasms	6	8.41	0.71	[0.26 - 1.55]
Non malignant sites	1			

Table 4.4.33
Incidence from selected cancer sites

TOTAL COHORT

Ever exposed to PUPA (pulp or paper dust)

Cancer sites (ICD 9th.revision)	Observed	Expected	SIR	95% Conf.Interval
ALL MALIGNANT NEOPLASMS (140-208)	3623	3936.27	0.92	[0.89 - 0.95]
Buccal Pharynx (140-149)	118	111.47	1.06	[0.88 - 1.27]
Oesophagus (150)	40	45.47	0.88	[0.63 - 1.20]
Stomach (151)	233	260.25	0.90	[0.78 - 1.02]
Small intestine (152)	12	12.16	0.99	[0.51 - 1.72]
Large intestine and rectum(153-154)	437	468.22	0.93	[0.85 - 1.03]
Liver (155)	26	36.37	0.71	[0.47 - 1.05]
Pancreas (157)	117	125.33	0.93	[0.77 - 1.12]
Larynx (161)	52	51.55	1.01	[0.75 - 1.32]
Lung (162)	609	555.65	1.10	[1.01 - 1.19]
Bone (170)	5	10.58	0.47	[0.15 - 1.10]
Melanoma of skin (172)	121	138.36	0.87	[0.73 - 1.04]
Breast (174-175)	175	177.54	0.99	[0.85 - 1.14]
Cervix uteri (180)	59	47.85	1.23	[0.94 - 1.59]
Ovary (183)	49	41.52	1.18	[0.87 - 1.56]
Uterus (179,181-182)	28	40.89	0.68	[0.46 - 0.99]
Other female genital organs (184)	8	3.95	2.03	[0.88 - 3.99]
Prostate (185)	392	447.26	0.88	[0.79 - 0.97]
Testis (186)	34	61.01	0.56	[0.39 - 0.78]
Bladder (188)	229	223.03	1.03	[0.90 - 1.17]
Kidney (189)	117	130.31	0.90	[0.74 - 1.08]
Brain (191-192)	92	108.75	0.85	[0.68 - 1.04]
Thyroid (193)	8	28.62	0.28	[0.12 - 0.55]
Non-Hodgkins lymphoma (200,202)	90	105.75	0.85	[0.68 - 1.05]
Hodgkins disease (201)	29	33.89	0.86	[0.57 - 1.23]
Leukemia (204-208)	66	91.74	0.72	[0.56 - 0.92]
Other malignant neoplasms	477	583.64	0.82	[0.75 - 0.89]
Non malignant sites	133			

Table 4.4.34
Incidence from selected cancer sites

TOTAL COHORT

Ever exposed to PUPA (pulp or paper dust)

Men

Cancer sites (ICD 9th.revision)	Observed	Expected	SIR	95% Conf.Interval
ALL MALIGNANT NEOPLASMS (140-208)	2967	3249.37	0.91	[0.88 - 0.95]
Buccal Pharynx (140-149)	108	103.55	1.04	[0.86 - 1.26]
Oesophagus (150)	33	41.58	0.79	[0.55 - 1.11]
Stomach (151)	204	232.81	0.88	[0.76 - 1.01]
Small intestine (152)	11	10.31	1.07	[0.53 - 1.91]
Large intestine and rectum(153-154)	377	396.26	0.95	[0.86 - 1.05]
Liver (155)	20	31.88	0.63	[0.38 - 0.97]
Pancreas (157)	100	107.83	0.93	[0.75 - 1.13]
Larynx (161)	49	50.14	0.98	[0.72 - 1.29]
Lung (162)	559	523.31	1.07	[0.98 - 1.16]
Bone (170)	4	9.28	0.43	[0.12 - 1.10]
Melanoma of skin (172)	102	112.77	0.90	[0.74 - 1.10]
Breast (174-175)	4	4.89	0.82	[0.22 - 2.09]
Cervix uteri (180)	0	-	-	-
Ovary (183)	0	-	-	-
Uterus (179,181-182)	0	-	-	-
Other female genital organs (184)	0	-	-	-
Prostate (185)	392	447.26	0.88	[0.79 - 0.97]
Testis (186)	34	61.01	0.56	[0.39 - 0.78]
Bladder (188)	214	210.59	1.02	[0.88 - 1.16]
Kidney (189)	105	115.16	0.91	[0.75 - 1.10]
Brain (191-192)	78	91.99	0.85	[0.67 - 1.06]
Thyroid (193)	8	18.07	0.44	[0.19 - 0.87]
Non-Hodgkins lymphoma (200,202)	82	90.97	0.90	[0.72 - 1.12]
Hodgkins disease (201)	26	30.01	0.87	[0.57 - 1.27]
Leukemia (204-208)	57	80.04	0.71	[0.54 - 0.92]
Other malignant neoplasms	400	484.55	0.83	[0.75 - 0.91]
Non malignant sites	100			

TOTAL COHORT

Ever exposed to PUPA (pulp or paper dust)

Women

Cancer sites (ICD 9th.revision)	Observed	Expected	SIR	95% Conf.Interval
ALL MALIGNANT NEOPLASMS (140-208)	656	686.9	0.96	[0.88 - 1.03]
Buccal Pharynx (140-149)	10	7.92	1.26	[0.61 - 2.32]
Oesophagus (150)	7	3.89	1.80	[0.72 - 3.71]
Stomach (151)	29	27.44	1.06	[0.71 - 1.52]
Small intestine (152)	1	1.85	0.54	[0.01 - 3.01]
Large intestine and rectum(153-154)	60	71.96	0.83	[0.64 - 1.07]
Liver (155)	6	4.49	1.34	[0.49 - 2.91]
Pancreas (157)	17	17.51	0.97	[0.57 - 1.55]
Larynx (161)	3	1.41	2.13	[0.44 - 6.23]
Lung (162)	50	32.34	1.55	[1.15 - 2.04]
Bone (170)	1	1.3	0.77	[0.02 - 4.30]
Melanoma of skin (172)	19	25.59	0.74	[0.45 - 1.16]
Breast (174-175)	171	172.65	0.99	[0.85 - 1.15]
Cervix uteri (180)	59	47.85	1.23	[0.94 - 1.59]
Ovary (183)	49	41.52	1.18	[0.87 - 1.56]
Uterus (179,181-182)	28	40.89	0.68	[0.46 - 0.99]
Other female genital organs (184)	8	3.95	2.03	[0.88 - 3.99]
Prostate (185)	0	-	-	-
Testis (186)	0	-	-	-
Bladder (188)	15	12.44	1.21	[0.67 - 1.99]
Kidney (189)	12	15.15	0.79	[0.41 - 1.38]
Brain (191-192)	14	16.76	0.84	[0.46 - 1.40]
Thyroid (193)	0	10.55	0.00	[0.00 - 0.35]
Non-Hodgkins lymphoma (200,202)	8	14.77	0.54	[0.23 - 1.07]
Hodgkins disease (201)	3	3.88	0.77	[0.16 - 2.26]
Leukemia (204-208)	9	11.7	0.77	[0.35 - 1.46]
Other malignant neoplasms	77	99.08	0.78	[0.61 - 0.97]
Non malignant sites	33			

Table 4.4.35
Incidence from selected cancer sites

TOTAL COHORT
Ever exposed to SLIM (slimicides)

Cancer sites (ICD 9th.revision)	Observed	Expected	SIR	95% Conf.Interval
ALL MALIGNANT NEOPLASMS (140-208)	1167	1278.57	0.91	[0.86 - 0.97]
Buccal Pharynx (140-149)	31	35.48	0.87	[0.59 - 1.24]
Oesophagus (150)	12	14.32	0.84	[0.43 - 1.46]
Stomach (151)	79	81.37	0.97	[0.77 - 1.21]
Small intestine (152)	3	4.11	0.73	[0.15 - 2.13]
Large intestine and rectum(153-154)	148	151.08	0.98	[0.83 - 1.15]
Liver (155)	11	11.74	0.94	[0.47 - 1.68]
Pancreas (157)	47	40.63	1.16	[0.85 - 1.54]
Larynx (161)	13	16.12	0.81	[0.43 - 1.38]
Lung (162)	190	169.17	1.12	[0.97 - 1.29]
Bone (170)	2	3.53	0.57	[0.07 - 2.05]
Melanoma of skin (172)	41	46.61	0.88	[0.63 - 1.19]
Breast (174-175)	66	65.62	1.01	[0.78 - 1.28]
Cervix uteri (180)	20	14.58	1.37	[0.84 - 2.12]
Ovary (183)	16	14.69	1.09	[0.62 - 1.77]
Uterus (179,181-182)	13	15.06	0.86	[0.46 - 1.48]
Other female genital organs (184)	4	1.48	2.70	[0.74 - 6.92]
Prostate (185)	124	141.77	0.87	[0.73 - 1.04]
Testis (186)	12	20.58	0.58	[0.30 - 1.02]
Bladder (188)	76	72.42	1.05	[0.83 - 1.31]
Kidney (189)	27	43.7	0.62	[0.41 - 0.90]
Brain (191-192)	33	37.06	0.89	[0.61 - 1.25]
Thyroid (193)	3	10.65	0.28	[0.06 - 0.82]
Non-Hodgkins lymphoma (200,202)	25	35.93	0.70	[0.45 - 1.03]
Hodgkins disease (201)	12	11.46	1.05	[0.54 - 1.83]
Leukemia (204-208)	22	29.83	0.74	[0.46 - 1.12]
Other malignant neoplasms	137	191.17	0.72	[0.60 - 0.85]
Non malignant sites	33			

Table 4.4.36
Incidence from selected cancer sites

TOTAL COHORT

Ever exposed to SLIM (slimicides)

Men

Cancer sites (ICD 9th.revision)	Observed	Expected	SIR	95% Conf.Interval
ALL MALIGNANT NEOPLASMS (140-208)	918	1029.21	0.89	[0.84 - 0.95]
Buccal Pharynx (140-149)	26	32.56	0.80	[0.52 - 1.17]
Oesophagus (150)	8	12.76	0.63	[0.27 - 1.24]
Stomach (151)	68	70.9	0.96	[0.74 - 1.22]
Small intestine (152)	3	3.41	0.88	[0.18 - 2.57]
Large intestine and rectum(153-154)	124	126.54	0.98	[0.82 - 1.17]
Liver (155)	7	9.95	0.70	[0.28 - 1.45]
Pancreas (157)	39	34.1	1.14	[0.81 - 1.56]
Larynx (161)	13	15.66	0.83	[0.44 - 1.42]
Lung (162)	174	158.45	1.10	[0.94 - 1.27]
Bone (170)	1	3.03	0.33	[0.01 - 1.84]
Melanoma of skin (172)	30	37.52	0.80	[0.54 - 1.14]
Breast (174-175)	2	1.57	1.27	[0.15 - 4.59]
Cervix uteri (180)	0	-	-	-
Ovary (183)	0	-	-	-
Uterus (179,181-182)	0	-	-	-
Other female genital organs (184)	0	-	-	-
Prostate (185)	124	141.77	0.87	[0.73 - 1.04]
Testis (186)	12	20.58	0.58	[0.30 - 1.02]
Bladder (188)	69	68.35	1.01	[0.79 - 1.28]
Kidney (189)	23	38.04	0.60	[0.38 - 0.91]
Brain (191-192)	28	31.08	0.90	[0.60 - 1.30]
Thyroid (193)	3	6.18	0.49	[0.10 - 1.42]
Non-Hodgkins lymphoma (200,202)	25	30.19	0.83	[0.54 - 1.22]
Hodgkins disease (201)	10	10.07	0.99	[0.48 - 1.83]
Leukemia (204-208)	20	25.62	0.78	[0.48 - 1.21]
Other malignant neoplasms	109	152.45	0.71	[0.59 - 0.86]
Non malignant sites	28			

TOTAL COHORT

Ever exposed to SLIM (slimicides)

Women

Cancer sites (ICD 9th.revision)	Observed	Expected	SIR	95% Conf.Interval
ALL MALIGNANT NEOPLASMS (140-208)	249	249.37	1.00	[0.88 - 1.13]
Buccal Pharynx (140-149)	5	2.92	1.71	[0.56 - 3.99]
Oesophagus (150)	4	1.56	2.57	[0.70 - 6.57]
Stomach (151)	11	10.47	1.05	[0.52 - 1.88]
Small intestine (152)	0	0.7	0.00	[0.00 - 5.27]
Large intestine and rectum(153-154)	24	24.54	0.98	[0.63 - 1.46]
Liver (155)	4	1.79	2.24	[0.61 - 5.73]
Pancreas (157)	8	6.53	1.22	[0.53 - 2.41]
Larynx (161)	0	0.45	0.00	[0.00 - 8.16]
Lung (162)	16	10.72	1.49	[0.85 - 2.42]
Bone (170)	1	0.5	1.99	[0.05 - 11.1]
Melanoma of skin (172)	11	9.09	1.21	[0.60 - 2.17]
Breast (174-175)	64	64.05	1.00	[0.77 - 1.28]
Cervix uteri (180)	20	14.58	1.37	[0.84 - 2.12]
Ovary (183)	16	14.69	1.09	[0.62 - 1.77]
Uterus (179,181-182)	13	15.06	0.86	[0.46 - 1.48]
Other female genital organs (184)	4	1.48	2.70	[0.74 - 6.92]
Prostate (185)	0	-	-	-
Testis (186)	0	-	-	-
Bladder (188)	7	4.07	1.72	[0.69 - 3.54]
Kidney (189)	4	5.66	0.71	[0.19 - 1.81]
Brain (191-192)	5	5.98	0.84	[0.27 - 1.95]
Thyroid (193)	0	4.47	0.00	[0.00 - 0.83]
Non-Hodgkins lymphoma (200,202)	0	5.74	0.00	[0.00 - 0.64]
Hodgkins disease (201)	2	1.38	1.44	[0.17 - 5.22]
Leukemia (204-208)	2	4.21	0.48	[0.06 - 1.72]
Other malignant neoplasms	28	38.71	0.72	[0.48 - 1.05]
Non malignant sites	5			

Table 4.4.37
Incidence from selected cancer sites

TOTAL COHORT

Ever exposed to SO₂ (sulfure dioxide)

Cancer sites (ICD 9th.revision)	Observed	Expected	SIR	95% Conf.Interval
ALL MALIGNANT NEOPLASMS (140-208)	2451	2756.5	0.89	[0.85 - 0.93]
Buccal Pharynx (140-149)	72	84.12	0.86	[0.67 - 1.08]
Oesophagus (150)	23	35	0.66	[0.42 - 0.99]
Stomach (151)	181	218.1	0.83	[0.71 - 0.96]
Small intestine (152)	7	8.95	0.78	[0.31 - 1.61]
Large intestine and rectum(153-154)	316	316.08	1.00	[0.89 - 1.12]
Liver (155)	23	27.11	0.85	[0.54 - 1.27]
Pancreas (157)	69	94.53	0.73	[0.57 - 0.92]
Larynx (161)	39	38	1.03	[0.73 - 1.40]
Lung (162)	442	419.02	1.05	[0.96 - 1.16]
Bone (170)	6	7.62	0.79	[0.29 - 1.71]
Melanoma of skin (172)	88	90.09	0.98	[0.78 - 1.20]
Breast (174-175)	69	68.36	1.01	[0.79 - 1.28]
Cervix uteri (180)	21	14.52	1.45	[0.90 - 2.21]
Ovary (183)	13	15.42	0.84	[0.45 - 1.44]
Uterus (179,181-182)	11	16.37	0.67	[0.34 - 1.20]
Other female genital organs (184)	4	1.66	2.42	[0.66 - 6.19]
Prostate (185)	335	383.32	0.87	[0.78 - 0.97]
Testis (186)	23	33.65	0.68	[0.43 - 1.03]
Bladder (188)	142	149.35	0.95	[0.80 - 1.12]
Kidney (189)	88	94.69	0.93	[0.75 - 1.15]
Brain (191-192)	69	71.96	0.96	[0.75 - 1.21]
Thyroid (193)	9	19	0.47	[0.22 - 0.90]
Non-Hodgkins lymphoma (200,202)	64	74.75	0.86	[0.66 - 1.09]
Hodgkins disease (201)	12	22.7	0.53	[0.27 - 0.92]
Leukemia (204-208)	50	64.47	0.78	[0.58 - 1.02]
Other malignant neoplasms	275	391.2	0.70	[0.62 - 0.79]
Non malignant sites	16			

Table 4.4.38
Incidence from selected cancer sites

TOTAL COHORT

Ever exposed to SO₂ (sulfure dioxide)

Men

Cancer sites (ICD 9th.revision)	Observed	Expected	SIR	95% Conf.Interval
ALL MALIGNANT NEOPLASMS (140-208)	2206	2484.88	0.89	[0.85 - 0.93]
Buccal Pharynx (140-149)	70	80.63	0.87	[0.68 - 1.10]
Oesophagus (150)	23	32.75	0.70	[0.45 - 1.05]
Stomach (151)	170	203.99	0.83	[0.71 - 0.97]
Small intestine (152)	7	8.14	0.86	[0.35 - 1.77]
Large intestine and rectum(153-154)	288	288.78	1.00	[0.89 - 1.12]
Liver (155)	19	24.85	0.76	[0.46 - 1.19]
Pancreas (157)	60	86.35	0.69	[0.53 - 0.89]
Larynx (161)	39	37.59	1.04	[0.74 - 1.42]
Lung (162)	428	408.79	1.05	[0.95 - 1.15]
Bone (170)	5	7.06	0.71	[0.23 - 1.65]
Melanoma of skin (172)	79	81.03	0.97	[0.77 - 1.22]
Breast (174-175)	4	3.52	1.14	[0.31 - 2.91]
Cervix uteri (180)	0	-	-	-
Ovary (183)	0	-	-	-
Uterus (179,181-182)	0	-	-	-
Other female genital organs (184)	0	-	-	-
Prostate (185)	335	383.32	0.87	[0.78 - 0.97]
Testis (186)	23	33.65	0.68	[0.43 - 1.03]
Bladder (188)	135	145.08	0.93	[0.78 - 1.10]
Kidney (189)	85	88.25	0.96	[0.77 - 1.19]
Brain (191-192)	62	65.81	0.94	[0.72 - 1.21]
Thyroid (193)	9	14.27	0.63	[0.29 - 1.20]
Non-Hodgkins lymphoma (200,202)	63	68.34	0.92	[0.71 - 1.18]
Hodgkins disease (201)	11	21.28	0.52	[0.26 - 0.92]
Leukemia (204-208)	46	59.65	0.77	[0.56 - 1.03]
Other malignant neoplasms	245	345.25	0.71	[0.62 - 0.80]
Non malignant sites	16			

TOTAL COHORT

Ever exposed to SO₂ (sulfure dioxide)

Women

Cancer sites (ICD 9th.revision)	Observed	Expected	SIR	95% Conf.Interval
ALL MALIGNANT NEOPLASMS (140-208)	245	271.62	0.90	[0.79 - 1.02]
Buccal Pharynx (140-149)	2	3.49	0.57	[0.07 - 2.07]
Oesophagus (150)	0	2.25	0.00	[0.00 - 1.64]
Stomach (151)	11	14.11	0.78	[0.39 - 1.40]
Small intestine (152)	0	0.81	0.00	[0.00 - 4.56]
Large intestine and rectum(153-154)	28	27.3	1.03	[0.68 - 1.48]
Liver (155)	4	2.26	1.77	[0.48 - 4.54]
Pancreas (157)	9	8.18	1.10	[0.50 - 2.09]
Larynx (161)	0	0.41	0.00	[0.00 - 9.01]
Lung (162)	14	10.23	1.37	[0.75 - 2.30]
Bone (170)	1	0.56	1.78	[0.04 - 9.90]
Melanoma of skin (172)	9	9.05	0.99	[0.45 - 1.89]
Breast (174-175)	65	64.84	1.00	[0.77 - 1.28]
Cervix uteri (180)	21	14.52	1.45	[0.90 - 2.21]
Ovary (183)	13	15.42	0.84	[0.45 - 1.44]
Uterus (179,181-182)	11	16.37	0.67	[0.34 - 1.20]
Other female genital organs (184)	4	1.66	2.42	[0.66 - 6.19]
Prostate (185)	0	-	-	-
Testis (186)	0	-	-	-
Bladder (188)	7	4.27	1.64	[0.66 - 3.38]
Kidney (189)	3	6.44	0.47	[0.10 - 1.36]
Brain (191-192)	7	6.15	1.14	[0.46 - 2.35]
Thyroid (193)	0	4.73	0.00	[0.00 - 0.78]
Non-Hodgkins lymphoma (200,202)	1	6.41	0.16	[0.00 - 0.87]
Hodgkins disease (201)	1	1.42	0.71	[0.02 - 3.93]
Leukemia (204-208)	4	4.81	0.83	[0.23 - 2.13]
Other malignant neoplasms	30	45.95	0.65	[0.44 - 0.93]
Non malignant sites	0			

Table 4.4.39
Incidence from selected cancer sites

TOTAL COHORT

Ever exposed to SOLD (nonchlorinated organic solvent, dermal)

Cancer sites (ICD 9th.revision)	Observed	Expected	SIR	95% Conf.Interval
ALL MALIGNANT NEOPLASMS (140-208)	3338	3728.27	0.90	[0.87 - 0.93]
Buccal Pharynx (140-149)	105	108.04	0.97	[0.79 - 1.18]
Oesophagus (150)	36	44.51	0.81	[0.57 - 1.12]
Stomach (151)	220	258.35	0.85	[0.74 - 0.97]
Small intestine (152)	9	11.57	0.78	[0.36 - 1.48]
Large intestine and rectum(153-154)	415	432.78	0.96	[0.87 - 1.06]
Liver (155)	25	35.31	0.71	[0.46 - 1.05]
Pancreas (157)	90	120.46	0.75	[0.60 - 0.92]
Larynx (161)	49	50.53	0.97	[0.72 - 1.28]
Lung (162)	581	547.6	1.06	[0.98 - 1.15]
Bone (170)	4	10.2	0.39	[0.11 - 1.00]
Melanoma of skin (172)	112	126.91	0.88	[0.73 - 1.06]
Breast (174-175)	146	145.02	1.01	[0.85 - 1.18]
Cervix uteri (180)	49	38.18	1.28	[0.95 - 1.70]
Ovary (183)	42	33.76	1.24	[0.90 - 1.68]
Uterus (179,181-182)	26	33.63	0.77	[0.50 - 1.13]
Other female genital organs (184)	9	3.21	2.81	[1.28 - 5.33]
Prostate (185)	377	442.72	0.85	[0.77 - 0.94]
Testis (186)	32	56.34	0.57	[0.39 - 0.80]
Bladder (188)	207	210.25	0.98	[0.85 - 1.13]
Kidney (189)	104	123.77	0.84	[0.69 - 1.02]
Brain (191-192)	90	101.56	0.89	[0.71 - 1.09]
Thyroid (193)	8	26.39	0.30	[0.13 - 0.60]
Non-Hodgkins lymphoma (200,202)	88	99.67	0.88	[0.71 - 1.09]
Hodgkins disease (201)	32	31.99	1.00	[0.68 - 1.41]
Leukemia (204-208)	63	86.95	0.72	[0.56 - 0.93]
Other malignant neoplasms	419	553.23	0.76	[0.69 - 0.83]
Non malignant sites	116			

Table 4.4.40
Incidence from selected cancer sites

TOTAL COHORT

Ever exposed to SOLD (nonchlorinated organic solvent, dermal)

Men

Cancer sites (ICD 9th.revision)	Observed	Expected	SIR	95% Conf.Interval
ALL MALIGNANT NEOPLASMS (140-208)	2789	3166.79	0.88	[0.85 - 0.91]
Buccal Pharynx (140-149)	97	101.41	0.96	[0.78 - 1.17]
Oesophagus (150)	29	40.99	0.71	[0.47 - 1.02]
Stomach (151)	196	234.93	0.83	[0.72 - 0.96]
Small intestine (152)	9	10.03	0.90	[0.41 - 1.70]
Large intestine and rectum(153-154)	365	375.95	0.97	[0.87 - 1.08]
Liver (155)	21	31.43	0.67	[0.41 - 1.02]
Pancreas (157)	79	105.96	0.75	[0.59 - 0.93]
Larynx (161)	48	49.41	0.97	[0.72 - 1.29]
Lung (162)	544	522.01	1.04	[0.96 - 1.13]
Bone (170)	3	9.08	0.33	[0.07 - 0.97]
Melanoma of skin (172)	96	106.04	0.91	[0.73 - 1.11]
Breast (174-175)	3	4.66	0.64	[0.13 - 1.88]
Cervix uteri (180)	0	-	-	-
Ovary (183)	0	-	-	-
Uterus (179,181-182)	0	-	-	-
Other female genital organs (184)	0	-	-	-
Prostate (185)	377	442.72	0.85	[0.77 - 0.94]
Testis (186)	32	56.34	0.57	[0.39 - 0.80]
Bladder (188)	197	200.47	0.98	[0.85 - 1.13]
Kidney (189)	95	111.32	0.85	[0.69 - 1.04]
Brain (191-192)	78	87.74	0.89	[0.70 - 1.11]
Thyroid (193)	8	17.48	0.46	[0.20 - 0.90]
Non-Hodgkins lymphoma (200,202)	78	87.5	0.89	[0.70 - 1.11]
Hodgkins disease (201)	29	28.73	1.01	[0.68 - 1.45]
Leukemia (204-208)	53	77.26	0.69	[0.51 - 0.90]
Other malignant neoplasms	352	470	0.75	[0.67 - 0.83]
Non malignant sites	91			

TOTAL COHORT

Ever exposed to SOLD (nonchlorinated organic solvent, dermal)

Women

Cancer sites (ICD 9th.revision)	Observed	Expected	SIR	95% Conf.Interval
ALL MALIGNANT NEOPLASMS (140-208)	549	561.49	0.98	[0.90 - 1.06]
Buccal Pharynx (140-149)	8	6.64	1.21	[0.52 - 2.37]
Oesophagus (150)	7	3.52	1.99	[0.80 - 4.10]
Stomach (151)	24	23.43	1.02	[0.66 - 1.52]
Small intestine (152)	0	1.54	0.00	[0.00 - 2.39]
Large intestine and rectum(153-154)	50	56.83	0.88	[0.65 - 1.16]
Liver (155)	4	3.88	1.03	[0.28 - 2.64]
Pancreas (157)	11	14.5	0.76	[0.38 - 1.36]
Larynx (161)	1	1.12	0.89	[0.02 - 4.99]
Lung (162)	37	25.59	1.45	[1.02 - 1.99]
Bone (170)	1	1.12	0.89	[0.02 - 4.96]
Melanoma of skin (172)	16	20.88	0.77	[0.44 - 1.24]
Breast (174-175)	143	140.36	1.02	[0.86 - 1.20]
Cervix uteri (180)	49	38.18	1.28	[0.95 - 1.70]
Ovary (183)	42	33.76	1.24	[0.90 - 1.68]
Uterus (179,181-182)	26	33.63	0.77	[0.50 - 1.13]
Other female genital organs (184)	9	3.21	2.81	[1.28 - 5.33]
Prostate (185)	0	-	-	-
Testis (186)	0	-	-	-
Bladder (188)	10	9.78	1.02	[0.49 - 1.88]
Kidney (189)	9	12.45	0.72	[0.33 - 1.37]
Brain (191-192)	12	13.82	0.87	[0.45 - 1.52]
Thyroid (193)	0	8.91	0.00	[0.00 - 0.41]
Non-Hodgkins lymphoma (200,202)	10	12.17	0.82	[0.39 - 1.51]
Hodgkins disease (201)	3	3.26	0.92	[0.19 - 2.69]
Leukemia (204-208)	10	9.69	1.03	[0.49 - 1.90]
Other malignant neoplasms	67	83.23	0.80	[0.62 - 1.02]
Non malignant sites	25			

Table 4.4.41
Incidence from selected cancer sites

TOTAL COHORT

Ever exposed to SOLI (nonchlorinated organic solvent, inhalatory)

Cancer sites (ICD 9th.revision)	Observed	Expected	SIR	95% Conf.Interval
ALL MALIGNANT NEOPLASMS (140-208)	3420	3794.39	0.90	[0.87 - 0.93]
Buccal Pharynx (140-149)	106	110.03	0.96	[0.79 - 1.17]
Oesophagus (150)	36	45.32	0.79	[0.56 - 1.10]
Stomach (151)	224	262.65	0.85	[0.74 - 0.97]
Small intestine (152)	9	11.78	0.76	[0.35 - 1.45]
Large intestine and rectum(153-154)	426	441.13	0.97	[0.88 - 1.06]
Liver (155)	27	35.98	0.75	[0.49 - 1.09]
Pancreas (157)	95	122.65	0.77	[0.63 - 0.95]
Larynx (161)	50	51.52	0.97	[0.72 - 1.28]
Lung (162)	596	557.97	1.07	[0.98 - 1.16]
Bone (170)	4	10.36	0.39	[0.11 - 0.99]
Melanoma of skin (172)	116	129	0.90	[0.74 - 1.08]
Breast (174-175)	146	145.44	1.00	[0.85 - 1.18]
Cervix uteri (180)	49	38.27	1.28	[0.95 - 1.69]
Ovary (183)	42	33.84	1.24	[0.89 - 1.68]
Uterus (179,181-182)	26	33.71	0.77	[0.50 - 1.13]
Other female genital organs (184)	9	3.21	2.80	[1.28 - 5.32]
Prostate (185)	387	451.68	0.86	[0.77 - 0.95]
Testis (186)	33	57.35	0.58	[0.40 - 0.81]
Bladder (188)	212	214.94	0.99	[0.86 - 1.13]
Kidney (189)	104	126.12	0.82	[0.67 - 1.00]
Brain (191-192)	92	103.35	0.89	[0.72 - 1.09]
Thyroid (193)	9	26.75	0.34	[0.15 - 0.64]
Non-Hodgkins lymphoma (200,202)	89	101.44	0.88	[0.70 - 1.08]
Hodgkins disease (201)	34	32.53	1.05	[0.72 - 1.46]
Leukemia (204-208)	64	88.57	0.72	[0.56 - 0.92]
Other malignant neoplasms	435	563.56	0.77	[0.70 - 0.85]
Non malignant sites	120			

Table 4.4.42
Incidence from selected cancer sites

TOTAL COHORT

Ever exposed to SOLI (nonchlorinated organic solvent, inhalatory)

Men

Cancer sites (ICD 9th.revision)	Observed	Expected	SIR	95% Conf.Interval
ALL MALIGNANT NEOPLASMS (140-208)	2871	3231.62	0.89	[0.86 - 0.92]
Buccal Pharynx (140-149)	98	103.38	0.95	[0.77 - 1.16]
Oesophagus (150)	29	41.8	0.69	[0.46 - 1.00]
Stomach (151)	200	239.17	0.84	[0.72 - 0.96]
Small intestine (152)	9	10.24	0.88	[0.40 - 1.67]
Large intestine and rectum(153-154)	376	384.18	0.98	[0.88 - 1.08]
Liver (155)	23	32.09	0.72	[0.45 - 1.08]
Pancreas (157)	84	108.11	0.78	[0.62 - 0.96]
Larynx (161)	49	50.4	0.97	[0.72 - 1.29]
Lung (162)	559	532.33	1.05	[0.96 - 1.14]
Bone (170)	3	9.23	0.32	[0.07 - 0.95]
Melanoma of skin (172)	100	108.06	0.93	[0.75 - 1.13]
Breast (174-175)	3	4.76	0.63	[0.13 - 1.84]
Cervix uteri (180)	0	-	-	-
Ovary (183)	0	-	-	-
Uterus (179,181-182)	0	-	-	-
Other female genital organs (184)	0	-	-	-
Prostate (185)	387	451.68	0.86	[0.77 - 0.95]
Testis (186)	33	57.35	0.58	[0.40 - 0.81]
Bladder (188)	202	205.14	0.98	[0.85 - 1.13]
Kidney (189)	95	113.65	0.84	[0.68 - 1.02]
Brain (191-192)	80	89.49	0.89	[0.71 - 1.11]
Thyroid (193)	9	17.81	0.51	[0.23 - 0.96]
Non-Hodgkins lymphoma (200,202)	79	89.24	0.89	[0.70 - 1.10]
Hodgkins disease (201)	31	29.26	1.06	[0.72 - 1.50]
Leukemia (204-208)	54	78.86	0.68	[0.51 - 0.89]
Other malignant neoplasms	368	480.15	0.77	[0.69 - 0.85]
Non malignant sites	95			

TOTAL COHORT

Ever exposed to SOLI (nonchlorinated organic solvent, inhalatory)

Women

Cancer sites (ICD 9th.revision)	Observed	Expected	SIR	95% Conf.Interval
ALL MALIGNANT NEOPLASMS (140-208)	549	562.77	0.98	[0.90 - 1.06]
Buccal Pharynx (140-149)	8	6.65	1.20	[0.52 - 2.37]
Oesophagus (150)	7	3.52	1.99	[0.80 - 4.09]
Stomach (151)	24	23.48	1.02	[0.65 - 1.52]
Small intestine (152)	0	1.54	0.00	[0.00 - 2.39]
Large intestine and rectum(153-154)	50	56.95	0.88	[0.65 - 1.16]
Liver (155)	4	3.89	1.03	[0.28 - 2.63]
Pancreas (157)	11	14.53	0.76	[0.38 - 1.35]
Larynx (161)	1	1.12	0.89	[0.02 - 4.98]
Lung (162)	37	25.64	1.44	[1.02 - 1.99]
Bone (170)	1	1.13	0.89	[0.02 - 4.95]
Melanoma of skin (172)	16	20.93	0.76	[0.44 - 1.24]
Breast (174-175)	143	140.68	1.02	[0.86 - 1.20]
Cervix uteri (180)	49	38.27	1.28	[0.95 - 1.69]
Ovary (183)	42	33.84	1.24	[0.89 - 1.68]
Uterus (179,181-182)	26	33.71	0.77	[0.50 - 1.13]
Other female genital organs (184)	9	3.21	2.80	[1.28 - 5.32]
Prostate (185)	0	-	-	-
Testis (186)	0	-	-	-
Bladder (188)	10	9.8	1.02	[0.49 - 1.88]
Kidney (189)	9	12.48	0.72	[0.33 - 1.37]
Brain (191-192)	12	13.85	0.87	[0.45 - 1.51]
Thyroid (193)	0	8.94	0.00	[0.00 - 0.41]
Non-Hodgkins lymphoma (200,202)	10	12.2	0.82	[0.39 - 1.51]
Hodgkins disease (201)	3	3.27	0.92	[0.19 - 2.68]
Leukemia (204-208)	10	9.71	1.03	[0.49 - 1.89]
Other malignant neoplasms	67	83.41	0.80	[0.62 - 1.02]
Non malignant sites	25			

Table 4.4.43
Incidence from selected cancer sites

TOTAL COHORT

Ever exposed to SULP (reduced sulfure compounds)

Cancer sites (ICD 9th.revision)	Observed	Expected	SIR	95% Conf.Interval
ALL MALIGNANT NEOPLASMS (140-208)	2100	2451.81	0.86	[0.82 - 0.89]
Buccal Pharynx (140-149)	55	75.77	0.73	[0.55 - 0.94]
Oesophagus (150)	17	31.88	0.53	[0.31 - 0.85]
Stomach (151)	168	197.38	0.85	[0.73 - 0.99]
Small intestine (152)	4	7.92	0.51	[0.14 - 1.29]
Large intestine and rectum(153-154)	279	276.05	1.01	[0.90 - 1.14]
Liver (155)	20	24.85	0.80	[0.49 - 1.24]
Pancreas (157)	59	84.49	0.70	[0.53 - 0.90]
Larynx (161)	36	34.67	1.04	[0.73 - 1.44]
Lung (162)	379	385.01	0.98	[0.89 - 1.09]
Bone (170)	3	7	0.43	[0.09 - 1.25]
Melanoma of skin (172)	80	78.59	1.02	[0.81 - 1.27]
Breast (174-175)	49	49.18	1.00	[0.74 - 1.32]
Cervix uteri (180)	11	9.22	1.19	[0.60 - 2.13]
Ovary (183)	7	10.46	0.67	[0.27 - 1.38]
Uterus (179,181-182)	7	12.08	0.58	[0.23 - 1.19]
Other female genital organs (184)	3	1.22	2.46	[0.51 - 7.18]
Prostate (185)	298	342.68	0.87	[0.77 - 0.97]
Testis (186)	27	30.48	0.89	[0.58 - 1.29]
Bladder (188)	121	131.91	0.92	[0.76 - 1.10]
Kidney (189)	65	84.09	0.77	[0.60 - 0.99]
Brain (191-192)	66	62.73	1.05	[0.81 - 1.34]
Thyroid (193)	9	16.22	0.55	[0.25 - 1.05]
Non-Hodgkins lymphoma (200,202)	61	66.35	0.92	[0.70 - 1.18]
Hodgkins disease (201)	10	20.35	0.49	[0.24 - 0.90]
Leukemia (204-208)	38	57.42	0.66	[0.47 - 0.91]
Other malignant neoplasms	228	356.96	0.64	[0.56 - 0.73]
Non malignant sites	17			

Table 4.4.44
Incidence from selected cancer sites

TOTAL COHORT

Ever exposed to SULP (reduced sulfure compounds)

Men

Cancer sites (ICD 9th.revision)	Observed	Expected	SIR	95% Conf.Interval
ALL MALIGNANT NEOPLASMS (140-208)	1941	2249.48	0.86	[0.82 - 0.90]
Buccal Pharynx (140-149)	53	73.02	0.73	[0.54 - 0.95]
Oesophagus (150)	17	29.82	0.57	[0.33 - 0.91]
Stomach (151)	159	185.73	0.86	[0.73 - 1.00]
Small intestine (152)	4	7.33	0.55	[0.15 - 1.40]
Large intestine and rectum(153-154)	261	257.07	1.02	[0.90 - 1.15]
Liver (155)	17	22.88	0.74	[0.43 - 1.19]
Pancreas (157)	54	77.92	0.69	[0.52 - 0.90]
Larynx (161)	36	34.35	1.05	[0.73 - 1.45]
Lung (162)	374	377.71	0.99	[0.89 - 1.10]
Bone (170)	2	6.55	0.31	[0.04 - 1.10]
Melanoma of skin (172)	78	73.04	1.07	[0.84 - 1.33]
Breast (174-175)	1	3.14	0.32	[0.01 - 1.77]
Cervix uteri (180)	0	-	-	-
Ovary (183)	0	-	-	-
Uterus (179,181-182)	0	-	-	-
Other female genital organs (184)	0	-	-	-
Prostate (185)	298	342.68	0.87	[0.77 - 0.97]
Testis (186)	27	30.48	0.89	[0.58 - 1.29]
Bladder (188)	118	128.94	0.92	[0.76 - 1.10]
Kidney (189)	63	79.14	0.80	[0.61 - 1.02]
Brain (191-192)	60	58.66	1.02	[0.78 - 1.32]
Thyroid (193)	9	12.9	0.70	[0.32 - 1.32]
Non-Hodgkins lymphoma (200,202)	60	61.59	0.97	[0.74 - 1.25]
Hodgkins disease (201)	9	19.33	0.47	[0.21 - 0.88]
Leukemia (204-208)	34	53.74	0.63	[0.44 - 0.88]
Other malignant neoplasms	207	316.59	0.65	[0.57 - 0.75]
Non malignant sites	17			

TOTAL COHORT

Ever exposed to SULP (reduced sulfure compounds)

Women

Cancer sites (ICD 9th.revision)	Observed	Expected	SIR	95% Conf.Interval
ALL MALIGNANT NEOPLASMS (140-208)	159	202.33	0.79	[0.67 - 0.92]
Buccal Pharynx (140-149)	2	2.75	0.73	[0.09 - 2.63]
Oesophagus (150)	0	2.06	0.00	[0.00 - 1.79]
Stomach (151)	9	11.64	0.77	[0.35 - 1.47]
Small intestine (152)	0	0.58	0.00	[0.00 - 6.33]
Large intestine and rectum(153-154)	18	18.98	0.95	[0.56 - 1.50]
Liver (155)	3	1.97	1.52	[0.31 - 4.46]
Pancreas (157)	5	6.56	0.76	[0.25 - 1.78]
Larynx (161)	0	0.32	0.00	[0.00 - 11.5]
Lung (162)	5	7.3	0.68	[0.22 - 1.60]
Bone (170)	1	0.45	2.23	[0.06 - 12.4]
Melanoma of skin (172)	2	5.55	0.36	[0.04 - 1.30]
Breast (174-175)	48	46.04	1.04	[0.77 - 1.38]
Cervix uteri (180)	11	9.22	1.19	[0.60 - 2.13]
Ovary (183)	7	10.46	0.67	[0.27 - 1.38]
Uterus (179,181-182)	7	12.08	0.58	[0.23 - 1.19]
Other female genital organs (184)	3	1.22	2.46	[0.51 - 7.18]
Prostate (185)	0	-	-	-
Testis (186)	0	-	-	-
Bladder (188)	3	2.97	1.01	[0.21 - 2.95]
Kidney (189)	2	4.95	0.40	[0.05 - 1.46]
Brain (191-192)	6	4.08	1.47	[0.54 - 3.20]
Thyroid (193)	0	3.32	0.00	[0.00 - 1.11]
Non-Hodgkins lymphoma (200,202)	1	4.76	0.21	[0.01 - 1.17]
Hodgkins disease (201)	1	1.01	0.99	[0.02 - 5.49]
Leukemia (204-208)	4	3.68	1.09	[0.30 - 2.78]
Other malignant neoplasms	21	40.37	0.52	[0.32 - 0.80]
Non malignant sites	0			

Table 4.4.45
Incidence from selected cancer sites

TOTAL COHORT
Ever exposed to TALC

Cancer sites (ICD 9th.revision)	Observed	Expected	SIR	95% Conf.Interval
ALL MALIGNANT NEOPLASMS (140-208)	1136	1316.39	0.86	[0.81 - 0.91]
Buccal Pharynx (140-149)	32	37.07	0.86	[0.59 - 1.22]
Oesophagus (150)	11	15.27	0.72	[0.36 - 1.29]
Stomach (151)	78	90.95	0.86	[0.68 - 1.07]
Small intestine (152)	6	4.34	1.38	[0.51 - 3.01]
Large intestine and rectum(153-154)	128	136.41	0.94	[0.78 - 1.12]
Liver (155)	9	13	0.69	[0.32 - 1.31]
Pancreas (157)	37	41.99	0.88	[0.62 - 1.21]
Larynx (161)	10	17.48	0.57	[0.27 - 1.05]
Lung (162)	198	194.66	1.02	[0.88 - 1.17]
Bone (170)	1	4.35	0.23	[0.01 - 1.28]
Melanoma of skin (172)	44	46.08	0.95	[0.69 - 1.28]
Breast (174-175)	55	70.88	0.78	[0.58 - 1.01]
Cervix uteri (180)	16	15.17	1.05	[0.60 - 1.71]
Ovary (183)	20	15.69	1.27	[0.78 - 1.97]
Uterus (179,181-182)	11	16.69	0.66	[0.33 - 1.18]
Other female genital organs (184)	5	1.55	3.23	[1.05 - 7.53]
Prostate (185)	114	132.89	0.86	[0.71 - 1.03]
Testis (186)	15	18.26	0.82	[0.46 - 1.35]
Bladder (188)	71	64.24	1.11	[0.86 - 1.39]
Kidney (189)	37	44.37	0.83	[0.59 - 1.15]
Brain (191-192)	38	37.33	1.02	[0.72 - 1.40]
Thyroid (193)	2	11.79	0.17	[0.02 - 0.61]
Non-Hodgkins lymphoma (200,202)	20	37.19	0.54	[0.33 - 0.83]
Hodgkins disease (201)	11	12.52	0.88	[0.44 - 1.57]
Leukemia (204-208)	28	29.92	0.94	[0.62 - 1.35]
Other malignant neoplasms	139	207.74	0.67	[0.56 - 0.79]
Non malignant sites	14			

Table 4.4.46
Incidence from selected cancer sites

TOTAL COHORT
Ever exposed to TALC
Men

Cancer sites (ICD 9th.revision)	Observed	Expected	SIR	95% Conf.Interval
ALL MALIGNANT NEOPLASMS (140-208)	899	1041.44	0.86	[0.81 - 0.92]
Buccal Pharynx (140-149)	28	33.69	0.83	[0.55 - 1.20]
Oesophagus (150)	6	13.15	0.46	[0.17 - 0.99]
Stomach (151)	66	78.01	0.85	[0.65 - 1.08]
Small intestine (152)	6	3.56	1.68	[0.62 - 3.67]
Large intestine and rectum(153-154)	105	111.43	0.94	[0.77 - 1.14]
Liver (155)	5	10.82	0.46	[0.15 - 1.08]
Pancreas (157)	31	34.54	0.90	[0.61 - 1.27]
Larynx (161)	10	16.99	0.59	[0.28 - 1.08]
Lung (162)	186	183.68	1.01	[0.87 - 1.17]
Bone (170)	1	3.72	0.27	[0.01 - 1.50]
Melanoma of skin (172)	34	37.11	0.92	[0.63 - 1.28]
Breast (174-175)	1	1.44	0.70	[0.02 - 3.88]
Cervix uteri (180)	0	-	-	-
Ovary (183)	0	-	-	-
Uterus (179,181-182)	0	-	-	-
Other female genital organs (184)	0	-	-	-
Prostate (185)	114	132.89	0.86	[0.71 - 1.03]
Testis (186)	15	18.26	0.82	[0.46 - 1.35]
Bladder (188)	67	60.14	1.11	[0.86 - 1.41]
Kidney (189)	34	38.03	0.89	[0.62 - 1.25]
Brain (191-192)	31	30.85	1.00	[0.68 - 1.43]
Thyroid (193)	2	6.73	0.30	[0.04 - 1.07]
Non-Hodgkins lymphoma (200,202)	18	30.9	0.58	[0.35 - 0.92]
Hodgkins disease (201)	9	10.93	0.82	[0.38 - 1.56]
Leukemia (204-208)	23	25.17	0.91	[0.58 - 1.37]
Other malignant neoplasms	107	160.82	0.67	[0.55 - 0.80]
Non malignant sites	8			

TOTAL COHORT
Ever exposed to TALC
Women

Cancer sites (ICD 9th.revision)	Observed	Expected	SIR	95% Conf.Interval
ALL MALIGNANT NEOPLASMS (140-208)	237	274.95	0.86	[0.76 - 0.98]
Buccal Pharynx (140-149)	4	3.38	1.18	[0.32 - 3.03]
Oesophagus (150)	5	2.12	2.36	[0.77 - 5.50]
Stomach (151)	12	12.94	0.93	[0.48 - 1.62]
Small intestine (152)	0	0.77	0.00	[0.00 - 4.76]
Large intestine and rectum(153-154)	23	24.98	0.92	[0.58 - 1.38]
Liver (155)	4	2.18	1.84	[0.50 - 4.70]
Pancreas (157)	6	7.44	0.81	[0.30 - 1.75]
Larynx (161)	0	0.49	0.00	[0.00 - 7.53]
Lung (162)	12	10.98	1.09	[0.56 - 1.91]
Bone (170)	0	0.63	0.00	[0.00 - 5.88]
Melanoma of skin (172)	10	8.96	1.12	[0.54 - 2.05]
Breast (174-175)	54	69.44	0.78	[0.58 - 1.01]
Cervix uteri (180)	16	15.17	1.05	[0.60 - 1.71]
Ovary (183)	20	15.69	1.27	[0.78 - 1.97]
Uterus (179,181-182)	11	16.69	0.66	[0.33 - 1.18]
Other female genital organs (184)	5	1.55	3.23	[1.05 - 7.53]
Prostate (185)	0	-	-	-
Testis (186)	0	-	-	-
Bladder (188)	4	4.1	0.98	[0.27 - 2.50]
Kidney (189)	3	6.33	0.47	[0.10 - 1.38]
Brain (191-192)	7	6.48	1.08	[0.43 - 2.23]
Thyroid (193)	0	5.06	0.00	[0.00 - 0.73]
Non-Hodgkins lymphoma (200,202)	2	6.3	0.32	[0.04 - 1.15]
Hodgkins disease (201)	2	1.59	1.25	[0.15 - 4.53]
Leukemia (204-208)	5	4.76	1.05	[0.34 - 2.45]
Other malignant neoplasms	32	46.92	0.68	[0.47 - 0.96]
Non malignant sites	6			

Table 4.4.47
Incidence from selected cancer sites

TOTAL COHORT
Ever exposed to TERP (terpenes)

Cancer sites (ICD 9th.revision)	Observed	Expected	SIR	95% Conf.Interval
ALL MALIGNANT NEOPLASMS (140-208)	887	1078.75	0.82	[0.77 - 0.88]
Buccal Pharynx (140-149)	24	32.83	0.73	[0.47 - 1.09]
Oesophagus (150)	5	13.99	0.36	[0.12 - 0.83]
Stomach (151)	79	89.15	0.89	[0.70 - 1.10]
Small intestine (152)	2	3.52	0.57	[0.07 - 2.05]
Large intestine and rectum(153-154)	112	107.45	1.04	[0.86 - 1.25]
Liver (155)	8	11.97	0.67	[0.29 - 1.32]
Pancreas (157)	32	37.23	0.86	[0.59 - 1.21]
Larynx (161)	20	15.88	1.26	[0.77 - 1.94]
Lung (162)	164	184.03	0.89	[0.76 - 1.04]
Bone (170)	1	3.34	0.30	[0.01 - 1.67]
Melanoma of skin (172)	33	29.81	1.11	[0.76 - 1.55]
Breast (174-175)	14	23.85	0.59	[0.32 - 0.98]
Cervix uteri (180)	6	4.14	1.45	[0.53 - 3.16]
Ovary (183)	3	4.98	0.60	[0.12 - 1.76]
Uterus (179,181-182)	2	6.03	0.33	[0.04 - 1.20]
Other female genital organs (184)	2	0.6	3.36	[0.41 - 12.1]
Prostate (185)	117	140.6	0.83	[0.69 - 1.00]
Testis (186)	13	10.45	1.24	[0.66 - 2.13]
Bladder (188)	48	53.48	0.90	[0.66 - 1.19]
Kidney (189)	20	36.68	0.55	[0.33 - 0.84]
Brain (191-192)	27	25.91	1.04	[0.69 - 1.52]
Thyroid (193)	4	7.43	0.54	[0.15 - 1.38]
Non-Hodgkins lymphoma (200,202)	25	28.8	0.87	[0.56 - 1.28]
Hodgkins disease (201)	4	9.09	0.44	[0.12 - 1.13]
Leukemia (204-208)	19	24.64	0.77	[0.46 - 1.20]
Other malignant neoplasms	103	174.13	0.59	[0.48 - 0.72]
Non malignant sites	4			

Table 4.4.48
Incidence from selected cancer sites

TOTAL COHORT

Ever exposed to TERP (terpenes)

Men

Cancer sites (ICD 9th.revision)	Observed	Expected	SIR	95% Conf.Interval
ALL MALIGNANT NEOPLASMS (140-208)	827	979.2	0.84	[0.79 - 0.90]
Buccal Pharynx (140-149)	23	31.47	0.73	[0.46 - 1.10]
Oesophagus (150)	5	12.95	0.39	[0.13 - 0.90]
Stomach (151)	73	83.46	0.87	[0.69 - 1.10]
Small intestine (152)	2	3.24	0.62	[0.07 - 2.23]
Large intestine and rectum(153-154)	103	99	1.04	[0.85 - 1.26]
Liver (155)	7	10.92	0.64	[0.26 - 1.32]
Pancreas (157)	28	33.95	0.82	[0.55 - 1.19]
Larynx (161)	20	15.72	1.27	[0.78 - 1.96]
Lung (162)	163	180.58	0.90	[0.77 - 1.05]
Bone (170)	1	3.12	0.32	[0.01 - 1.79]
Melanoma of skin (172)	33	27.62	1.19	[0.82 - 1.68]
Breast (174-175)	1	1.25	0.80	[0.02 - 4.44]
Cervix uteri (180)	0	-	-	-
Ovary (183)	0	-	-	-
Uterus (179,181-182)	0	-	-	-
Other female genital organs (184)	0	-	-	-
Prostate (185)	117	140.6	0.83	[0.69 - 1.00]
Testis (186)	13	10.45	1.24	[0.66 - 2.13]
Bladder (188)	47	52.13	0.90	[0.66 - 1.20]
Kidney (189)	20	34.18	0.59	[0.36 - 0.90]
Brain (191-192)	25	23.94	1.04	[0.68 - 1.54]
Thyroid (193)	4	5.72	0.70	[0.19 - 1.79]
Non-Hodgkins lymphoma (200,202)	25	26.41	0.95	[0.61 - 1.40]
Hodgkins disease (201)	3	8.59	0.35	[0.07 - 1.02]
Leukemia (204-208)	18	22.85	0.79	[0.47 - 1.24]
Other malignant neoplasms	96	152.32	0.63	[0.51 - 0.77]
Non malignant sites	4			

TOTAL COHORT

Ever exposed to TERP (terpenes)

Women

Cancer sites (ICD 9th.revision)	Observed	Expected	SIR	95% Conf.Interval
ALL MALIGNANT NEOPLASMS (140-208)	60	99.55	0.60	[0.46 - 0.78]
Buccal Pharynx (140-149)	1	1.36	0.74	[0.02 - 4.10]
Oesophagus (150)	0	1.05	0.00	[0.00 - 3.53]
Stomach (151)	6	5.69	1.05	[0.39 - 2.30]
Small intestine (152)	0	0.28	0.00	[0.00 - 13.1]
Large intestine and rectum(153-154)	9	8.45	1.07	[0.49 - 2.02]
Liver (155)	1	1.05	0.95	[0.02 - 5.30]
Pancreas (157)	4	3.28	1.22	[0.33 - 3.12]
Larynx (161)	0	0.16	0.00	[0.00 - 22.9]
Lung (162)	1	3.45	0.29	[0.01 - 1.62]
Bone (170)	0	0.23	0.00	[0.00 - 16.2]
Melanoma of skin (172)	0	2.19	0.00	[0.00 - 1.68]
Breast (174-175)	13	22.6	0.58	[0.31 - 0.98]
Cervix uteri (180)	6	4.14	1.45	[0.53 - 3.16]
Ovary (183)	3	4.98	0.60	[0.12 - 1.76]
Uterus (179,181-182)	2	6.03	0.33	[0.04 - 1.20]
Other female genital organs (184)	2	0.6	3.36	[0.41 - 12.1]
Prostate (185)	0	-	-	-
Testis (186)	0	-	-	-
Bladder (188)	1	1.35	0.74	[0.02 - 4.12]
Kidney (189)	0	2.5	0.00	[0.00 - 1.47]
Brain (191-192)	2	1.97	1.01	[0.12 - 3.66]
Thyroid (193)	0	1.71	0.00	[0.00 - 2.16]
Non-Hodgkins lymphoma (200,202)	0	2.39	0.00	[0.00 - 1.54]
Hodgkins disease (201)	1	0.51	1.98	[0.05 - 11.0]
Leukemia (204-208)	1	1.78	0.56	[0.01 - 3.12]
Other malignant neoplasms	7	21.81	0.32	[0.13 - 0.66]
Non malignant sites	0			

Table 4.4.49
Incidence from selected cancer sites

TOTAL COHORT

Ever exposed to TIO2 (titanium dioxide)

Cancer sites (ICD 9th.revision)	Observed	Expected	SIR	95% Conf.Interval
ALL MALIGNANT NEOPLASMS (140-208)	753	875.19	0.86	[0.80 - 0.92]
Buccal Pharynx (140-149)	18	23.1	0.78	[0.46 - 1.23]
Oesophagus (150)	11	9.02	1.22	[0.61 - 2.18]
Stomach (151)	53	47.21	1.12	[0.84 - 1.47]
Small intestine (152)	0	2.71	0.00	[0.00 - 1.36]
Large intestine and rectum(153-154)	85	102.14	0.83	[0.66 - 1.03]
Liver (155)	7	8.03	0.87	[0.35 - 1.80]
Pancreas (157)	23	25.92	0.89	[0.56 - 1.33]
Larynx (161)	9	11.07	0.81	[0.37 - 1.54]
Lung (162)	131	117.73	1.11	[0.93 - 1.32]
Bone (170)	1	2.43	0.41	[0.01 - 2.29]
Melanoma of skin (172)	24	32.69	0.73	[0.47 - 1.09]
Breast (174-175)	50	55.14	0.91	[0.67 - 1.20]
Cervix uteri (180)	18	16.16	1.11	[0.66 - 1.76]
Ovary (183)	19	12.89	1.47	[0.89 - 2.30]
Uterus (179,181-182)	8	12.36	0.65	[0.28 - 1.27]
Other female genital organs (184)	2	1.16	1.72	[0.21 - 6.23]
Prostate (185)	59	82.85	0.71	[0.54 - 0.92]
Testis (186)	8	14.99	0.53	[0.23 - 1.05]
Bladder (188)	51	49.87	1.02	[0.76 - 1.34]
Kidney (189)	20	28.69	0.70	[0.43 - 1.08]
Brain (191-192)	15	25.82	0.58	[0.33 - 0.96]
Thyroid (193)	2	7.07	0.28	[0.03 - 1.02]
Non-Hodgkins lymphoma (200,202)	11	23.94	0.46	[0.23 - 0.82]
Hodgkins disease (201)	8	8.15	0.98	[0.42 - 1.93]
Leukemia (204-208)	17	20.26	0.84	[0.49 - 1.34]
Other malignant neoplasms	103	134.82	0.76	[0.62 - 0.93]
Non malignant sites	45			

Table 4.4.50
Incidence from selected cancer sites

TOTAL COHORT

Ever exposed to TIO₂ (titanium dioxide)

Men

Cancer sites (ICD 9th.revision)	Observed	Expected	SIR	95% Conf.Interval
ALL MALIGNANT NEOPLASMS (140-208)	565	669.06	0.84	[0.78 - 0.92]
Buccal Pharynx (140-149)	16	20.92	0.76	[0.44 - 1.24]
Oesophagus (150)	8	8.2	0.98	[0.42 - 1.92]
Stomach (151)	46	41.08	1.12	[0.82 - 1.49]
Small intestine (152)	0	2.19	0.00	[0.00 - 1.69]
Large intestine and rectum(153-154)	65	81.32	0.80	[0.62 - 1.02]
Liver (155)	6	6.83	0.88	[0.32 - 1.91]
Pancreas (157)	19	21.36	0.89	[0.54 - 1.39]
Larynx (161)	8	10.6	0.75	[0.33 - 1.49]
Lung (162)	115	107.14	1.07	[0.89 - 1.29]
Bone (170)	1	2.04	0.49	[0.01 - 2.73]
Melanoma of skin (172)	18	24.28	0.74	[0.44 - 1.17]
Breast (174-175)	1	1.03	0.97	[0.02 - 5.39]
Cervix uteri (180)	0	-	-	-
Ovary (183)	0	-	-	-
Uterus (179,181-182)	0	-	-	-
Other female genital organs (184)	0	-	-	-
Prostate (185)	59	82.85	0.71	[0.54 - 0.92]
Testis (186)	8	14.99	0.53	[0.23 - 1.05]
Bladder (188)	47	46.12	1.02	[0.75 - 1.36]
Kidney (189)	16	24.32	0.66	[0.38 - 1.07]
Brain (191-192)	12	20.48	0.59	[0.30 - 1.02]
Thyroid (193)	2	3.82	0.52	[0.06 - 1.89]
Non-Hodgkins lymphoma (200,202)	9	19.6	0.46	[0.21 - 0.87]
Hodgkins disease (201)	7	6.89	1.02	[0.41 - 2.09]
Leukemia (204-208)	14	16.91	0.83	[0.45 - 1.39]
Other malignant neoplasms	88	107.12	0.82	[0.66 - 1.01]
Non malignant sites	31			

TOTAL COHORT

Ever exposed to TIO₂ (titanium dioxide)

Women

Cancer sites (ICD 9th.revision)	Observed	Expected	SIR	95% Conf.Interval
ALL MALIGNANT NEOPLASMS (140-208)	188	206.14	0.91	[0.79 - 1.05]
Buccal Pharynx (140-149)	2	2.18	0.92	[0.11 - 3.31]
Oesophagus (150)	3	0.82	3.66	[0.75 - 10.7]
Stomach (151)	7	6.13	1.14	[0.46 - 2.35]
Small intestine (152)	0	0.52	0.00	[0.00 - 7.10]
Large intestine and rectum(153-154)	20	20.83	0.96	[0.59 - 1.48]
Liver (155)	1	1.2	0.83	[0.02 - 4.64]
Pancreas (157)	4	4.56	0.88	[0.24 - 2.25]
Larynx (161)	1	0.47	2.12	[0.05 - 11.8]
Lung (162)	16	10.6	1.51	[0.86 - 2.45]
Bone (170)	0	0.39	0.00	[0.00 - 9.54]
Melanoma of skin (172)	6	8.41	0.71	[0.26 - 1.55]
Breast (174-175)	49	54.11	0.91	[0.67 - 1.20]
Cervix uteri (180)	18	16.16	1.11	[0.66 - 1.76]
Ovary (183)	19	12.89	1.47	[0.89 - 2.30]
Uterus (179,181-182)	8	12.36	0.65	[0.28 - 1.27]
Other female genital organs (184)	2	1.16	1.72	[0.21 - 6.23]
Prostate (185)	0	-	-	-
Testis (186)	0	-	-	-
Bladder (188)	4	3.76	1.07	[0.29 - 2.73]
Kidney (189)	4	4.36	0.92	[0.25 - 2.35]
Brain (191-192)	3	5.34	0.56	[0.12 - 1.64]
Thyroid (193)	0	3.24	0.00	[0.00 - 1.14]
Non-Hodgkins lymphoma (200,202)	2	4.34	0.46	[0.06 - 1.66]
Hodgkins disease (201)	1	1.25	0.80	[0.02 - 4.44]
Leukemia (204-208)	3	3.35	0.90	[0.18 - 2.62]
Other malignant neoplasms	15	27.7	0.54	[0.30 - 0.89]
Non malignant sites	14			

**Table 4.4.51
Incidence from selected cancer sites**

TOTAL COHORT

Ever exposed to WELD (welding fumes)

Cancer sites (ICD 9th.revision)	Observed	Expected	SIR	95% Conf.Interval
ALL MALIGNANT NEOPLASMS (140-208)	1413	1700.15	0.83	[0.79 - 0.88]
Buccal Pharynx (140-149)	43	52.84	0.81	[0.59 - 1.10]
Oesophagus (150)	14	22.32	0.63	[0.34 - 1.05]
Stomach (151)	106	131.47	0.81	[0.66 - 0.98]
Small intestine (152)	4	5.21	0.77	[0.21 - 1.96]
Large intestine and rectum(153-154)	179	185.87	0.96	[0.83 - 1.11]
Liver (155)	11	17.49	0.63	[0.31 - 1.13]
Pancreas (157)	34	56.71	0.60	[0.42 - 0.84]
Larynx (161)	25	25.71	0.97	[0.63 - 1.44]
Lung (162)	279	290.39	0.96	[0.85 - 1.08]
Bone (170)	2	5.24	0.38	[0.05 - 1.38]
Melanoma of skin (172)	51	55.9	0.91	[0.68 - 1.20]
Breast (174-175)	34	32.13	1.06	[0.73 - 1.48]
Cervix uteri (180)	5	7.06	0.71	[0.23 - 1.65]
Ovary (183)	7	7.19	0.97	[0.39 - 2.00]
Uterus (179,181-182)	6	8.18	0.73	[0.27 - 1.60]
Other female genital organs (184)	3	0.83	3.62	[0.75 - 10.6]
Prostate (185)	168	207.55	0.81	[0.69 - 0.94]
Testis (186)	17	24.84	0.68	[0.40 - 1.10]
Bladder (188)	91	91.25	1.00	[0.80 - 1.22]
Kidney (189)	48	56.01	0.86	[0.63 - 1.14]
Brain (191-192)	40	43.3	0.92	[0.66 - 1.26]
Thyroid (193)	3	10.83	0.28	[0.06 - 0.81]
Non-Hodgkins lymphoma (200,202)	33	45.39	0.73	[0.50 - 1.02]
Hodgkins disease (201)	9	14.78	0.61	[0.28 - 1.16]
Leukemia (204-208)	31	39.52	0.78	[0.53 - 1.11]
Other malignant neoplasms	170	264.29	0.64	[0.55 - 0.75]
Non malignant sites	35			

**Table 4.4.52
Incidence from selected cancer sites**

TOTAL COHORT

Ever exposed to WELD (welding fumes)

Men

Cancer sites (ICD 9th.revision)	Observed	Expected	SIR	95% Conf.Interval
ALL MALIGNANT NEOPLASMS (140-208)	1304	1562.76	0.83	[0.79 - 0.88]
Buccal Pharynx (140-149)	42	50.93	0.82	[0.59 - 1.11]
Oesophagus (150)	14	20.85	0.67	[0.37 - 1.13]
Stomach (151)	101	123.35	0.82	[0.67 - 0.99]
Small intestine (152)	4	4.82	0.83	[0.23 - 2.12]
Large intestine and rectum(153-154)	168	172.66	0.97	[0.83 - 1.13]
Liver (155)	11	16.16	0.68	[0.34 - 1.22]
Pancreas (157)	31	52.19	0.59	[0.40 - 0.84]
Larynx (161)	25	25.48	0.98	[0.63 - 1.45]
Lung (162)	275	285.22	0.96	[0.85 - 1.09]
Bone (170)	2	4.93	0.41	[0.05 - 1.46]
Melanoma of skin (172)	48	51.97	0.92	[0.68 - 1.22]
Breast (174-175)	0	2.15	0.00	[0.00 - 1.72]
Cervix uteri (180)	0	-	-	-
Ovary (183)	0	-	-	-
Uterus (179,181-182)	0	-	-	-
Other female genital organs (184)	0	-	-	-
Prostate (185)	168	207.55	0.81	[0.69 - 0.94]
Testis (186)	17	24.84	0.68	[0.40 - 1.10]
Bladder (188)	89	89.19	1.00	[0.80 - 1.23]
Kidney (189)	46	52.72	0.87	[0.64 - 1.16]
Brain (191-192)	38	40.51	0.94	[0.66 - 1.29]
Thyroid (193)	3	8.69	0.35	[0.07 - 1.01]
Non-Hodgkins lymphoma (200,202)	32	42.23	0.76	[0.52 - 1.07]
Hodgkins disease (201)	8	14.08	0.57	[0.25 - 1.12]
Leukemia (204-208)	27	36.99	0.73	[0.48 - 1.06]
Other malignant neoplasms	155	237.37	0.65	[0.55 - 0.76]
Non malignant sites	34			

TOTAL COHORT

Ever exposed to WELD (welding fumes)

Women

Cancer sites (ICD 9th.revision)	Observed	Expected	SIR	95% Conf.Interval
ALL MALIGNANT NEOPLASMS (140-208)	109	137.39	0.79	[0.65 - 0.96]
Buccal Pharynx (140-149)	1	1.91	0.52	[0.01 - 2.92]
Oesophagus (150)	0	1.47	0.00	[0.00 - 2.51]
Stomach (151)	5	8.11	0.62	[0.20 - 1.44]
Small intestine (152)	0	0.39	0.00	[0.00 - 9.42]
Large intestine and rectum(153-154)	11	13.21	0.83	[0.42 - 1.49]
Liver (155)	0	1.33	0.00	[0.00 - 2.77]
Pancreas (157)	3	4.52	0.66	[0.14 - 1.94]
Larynx (161)	0	0.22	0.00	[0.00 - 16.5]
Lung (162)	4	5.17	0.77	[0.21 - 1.98]
Bone (170)	0	0.31	0.00	[0.00 - 12.0]
Melanoma of skin (172)	3	3.92	0.76	[0.16 - 2.23]
Breast (174-175)	34	29.98	1.13	[0.79 - 1.58]
Cervix uteri (180)	5	7.06	0.71	[0.23 - 1.65]
Ovary (183)	7	7.19	0.97	[0.39 - 2.00]
Uterus (179,181-182)	6	8.18	0.73	[0.27 - 1.60]
Other female genital organs (184)	3	0.83	3.62	[0.75 - 10.6]
Prostate (185)	0	-	-	-
Testis (186)	0	-	-	-
Bladder (188)	2	2.06	0.97	[0.12 - 3.50]
Kidney (189)	2	3.29	0.61	[0.07 - 2.20]
Brain (191-192)	2	2.79	0.72	[0.09 - 2.59]
Thyroid (193)	0	2.14	0.00	[0.00 - 1.73]
Non-Hodgkins lymphoma (200,202)	1	3.15	0.32	[0.01 - 1.77]
Hodgkins disease (201)	1	0.7	1.43	[0.04 - 7.97]
Leukemia (204-208)	4	2.53	1.58	[0.43 - 4.05]
Other malignant neoplasms	15	26.92	0.56	[0.31 - 0.92]
Non malignant sites	1			

Table 4.4.53
Incidence from selected cancer sites

TOTAL COHORT

Ever exposed to WOOD (wood dust)

Cancer sites (ICD 9th.revision)	Observed	Expected	SIR	95% Conf.Interval
ALL MALIGNANT NEOPLASMS (140-208)	1867	2252.84	0.83	[0.79 - 0.87]
Buccal Pharynx (140-149)	58	68.9	0.84	[0.64 - 1.09]
Oesophagus (150)	17	29.49	0.58	[0.34 - 0.92]
Stomach (151)	139	186.26	0.75	[0.63 - 0.88]
Small intestine (152)	5	7.07	0.71	[0.23 - 1.65]
Large intestine and rectum(153-154)	225	244.47	0.92	[0.80 - 1.05]
Liver (155)	19	23.75	0.80	[0.48 - 1.25]
Pancreas (157)	66	78.69	0.84	[0.65 - 1.07]
Larynx (161)	36	32.83	1.10	[0.77 - 1.52]
Lung (162)	351	370.8	0.95	[0.85 - 1.05]
Bone (170)	2	5.93	0.34	[0.04 - 1.22]
Melanoma of skin (172)	60	59.27	1.01	[0.77 - 1.30]
Breast (174-175)	32	39.77	0.80	[0.55 - 1.14]
Cervix uteri (180)	12	7.16	1.67	[0.87 - 2.93]
Ovary (183)	5	8.19	0.61	[0.20 - 1.43]
Uterus (179,181-182)	6	9.83	0.61	[0.22 - 1.33]
Other female genital organs (184)	3	0.96	3.11	[0.64 - 9.10]
Prostate (185)	287	319.1	0.90	[0.80 - 1.01]
Testis (186)	12	20.86	0.58	[0.30 - 1.00]
Bladder (188)	104	124.49	0.84	[0.68 - 1.01]
Kidney (189)	64	76.31	0.84	[0.65 - 1.07]
Brain (191-192)	45	53.05	0.85	[0.62 - 1.14]
Thyroid (193)	7	13.84	0.51	[0.20 - 1.04]
Non-Hodgkins lymphoma (200,202)	50	57.6	0.87	[0.64 - 1.14]
Hodgkins disease (201)	8	17.05	0.47	[0.20 - 0.92]
Leukemia (204-208)	38	51.99	0.73	[0.52 - 1.00]
Other malignant neoplasms	216	347.99	0.62	[0.54 - 0.71]
Non malignant sites	29			

Table 4.4.54
Incidence from selected cancer sites

TOTAL COHORT

Ever exposed to WOOD (wood dust)

Men

Cancer sites (ICD 9th.revision)	Observed	Expected	SIR	95% Conf.Interval
ALL MALIGNANT NEOPLASMS (140-208)	1756	2088.51	0.84	[0.80 - 0.88]
Buccal Pharynx (140-149)	56	66.61	0.84	[0.64 - 1.09]
Oesophagus (150)	17	27.65	0.61	[0.36 - 0.98]
Stomach (151)	133	176.51	0.75	[0.63 - 0.89]
Small intestine (152)	5	6.61	0.76	[0.25 - 1.77]
Large intestine and rectum(153-154)	213	230.62	0.92	[0.80 - 1.06]
Liver (155)	17	22	0.77	[0.45 - 1.24]
Pancreas (157)	62	73.29	0.85	[0.65 - 1.08]
Larynx (161)	36	32.57	1.11	[0.77 - 1.53]
Lung (162)	347	365.11	0.95	[0.85 - 1.06]
Bone (170)	2	5.54	0.36	[0.04 - 1.30]
Melanoma of skin (172)	59	55.48	1.06	[0.81 - 1.37]
Breast (174-175)	3	2.83	1.06	[0.22 - 3.10]
Cervix uteri (180)	0	-	-	-
Ovary (183)	0	-	-	-
Uterus (179,181-182)	0	-	-	-
Other female genital organs (184)	0	-	-	-
Prostate (185)	287	319.1	0.90	[0.80 - 1.01]
Testis (186)	12	20.86	0.58	[0.30 - 1.00]
Bladder (188)	102	122.3	0.83	[0.68 - 1.01]
Kidney (189)	63	72.29	0.87	[0.67 - 1.12]
Brain (191-192)	41	49.8	0.82	[0.59 - 1.12]
Thyroid (193)	7	11.03	0.63	[0.26 - 1.31]
Non-Hodgkins lymphoma (200,202)	49	53.74	0.91	[0.67 - 1.21]
Hodgkins disease (201)	7	16.2	0.43	[0.17 - 0.89]
Leukemia (204-208)	35	49.01	0.71	[0.50 - 0.99]
Other malignant neoplasms	203	312.19	0.65	[0.56 - 0.75]
Non malignant sites	29			

TOTAL COHORT

Ever exposed to WOOD (wood dust)

Women

Cancer sites (ICD 9th.revision)	Observed	Expected	SIR	95% Conf.Interval
ALL MALIGNANT NEOPLASMS (140-208)	111	164.33	0.68	[0.56 - 0.81]
Buccal Pharynx (140-149)	2	2.28	0.88	[0.11 - 3.17]
Oesophagus (150)	0	1.84	0.00	[0.00 - 2.00]
Stomach (151)	6	9.75	0.62	[0.23 - 1.34]
Small intestine (152)	0	0.47	0.00	[0.00 - 7.91]
Large intestine and rectum(153-154)	12	13.86	0.87	[0.45 - 1.51]
Liver (155)	2	1.74	1.15	[0.14 - 4.14]
Pancreas (157)	4	5.4	0.74	[0.20 - 1.90]
Larynx (161)	0	0.26	0.00	[0.00 - 13.9]
Lung (162)	4	5.7	0.70	[0.19 - 1.80]
Bone (170)	0	0.39	0.00	[0.00 - 9.41]
Melanoma of skin (172)	1	3.79	0.26	[0.01 - 1.47]
Breast (174-175)	29	36.94	0.79	[0.53 - 1.13]
Cervix uteri (180)	12	7.16	1.67	[0.87 - 2.93]
Ovary (183)	5	8.19	0.61	[0.20 - 1.43]
Uterus (179,181-182)	6	9.83	0.61	[0.22 - 1.33]
Other female genital organs (184)	3	0.96	3.11	[0.64 - 9.10]
Prostate (185)	0	-	-	-
Testis (186)	0	-	-	-
Bladder (188)	2	2.19	0.91	[0.11 - 3.29]
Kidney (189)	1	4.03	0.25	[0.01 - 1.38]
Brain (191-192)	4	3.25	1.23	[0.34 - 3.15]
Thyroid (193)	0	2.81	0.00	[0.00 - 1.31]
Non-Hodgkins lymphoma (200,202)	1	3.86	0.26	[0.01 - 1.44]
Hodgkins disease (201)	1	0.85	1.18	[0.03 - 6.56]
Leukemia (204-208)	3	2.98	1.01	[0.21 - 2.95]
Other malignant neoplasms	13	35.8	0.36	[0.19 - 0.62]
Non malignant sites	0			

Table 4.5.1
Incidence from selected cancer sites

TOTAL COHORT

Ever highly exposed to ACID (inorganic acid mist)

Cancer sites (ICD 9th.revision)	Observed	Expected	SIR	95% Conf.Interval
ALL MALIGNANT NEOPLASMS (140-208)	133	166.13	0.80	[0.67 - 0.95]
Buccal Pharynx (140-149)	2	4.89	0.41	[0.05 - 1.48]
Oesophagus (150)	3	2.05	1.46	[0.30 - 4.28]
Stomach (151)	7	10.08	0.69	[0.28 - 1.43]
Small intestine (152)	0	0.49	0.00	[0.00 - 7.58]
Large intestine and rectum(153-154)	12	19.75	0.61	[0.31 - 1.06]
Liver (155)	1	1.82	0.55	[0.01 - 3.06]
Pancreas (157)	6	5.3	1.13	[0.42 - 2.47]
Larynx (161)	3	2.61	1.15	[0.24 - 3.36]
Lung (162)	24	27.82	0.86	[0.55 - 1.28]
Bone (170)	0	0.44	0.00	[0.00 - 8.48]
Melanoma of skin (172)	4	4.57	0.88	[0.24 - 2.24]
Breast (174-175)	3	2.63	1.14	[0.24 - 3.34]
Cervix uteri (180)	1	0.64	1.57	[0.04 - 8.73]
Ovary (183)	1	0.58	1.73	[0.04 - 9.65]
Uterus (179,181-182)	0	0.65	0.00	[0.00 - 5.65]
Other female genital organs (184)	0	0.06	0.00	[0.00 - 66.0]
Prostate (185)	15	17.81	0.84	[0.47 - 1.39]
Testis (186)	1	2.56	0.39	[0.01 - 2.18]
Bladder (188)	14	11.28	1.24	[0.68 - 2.08]
Kidney (189)	3	5.6	0.54	[0.11 - 1.56]
Brain (191-192)	1	4.26	0.23	[0.01 - 1.31]
Thyroid (193)	1	0.83	1.20	[0.03 - 6.69]
Non-Hodgkins lymphoma (200,202)	3	4.26	0.70	[0.15 - 2.06]
Hodgkins disease (201)	1	1.42	0.70	[0.02 - 3.92]
Leukemia (204-208)	4	4.11	0.97	[0.27 - 2.49]
Other malignant neoplasms	23	29.88	0.77	[0.49 - 1.15]
Non malignant sites	13			

Table 4.5.2
Incidence from selected cancer sites

TOTAL COHORT

Ever highly exposed to ACID (inorganic acid mist)

Men

Cancer sites (ICD 9th.revision)	Observed	Expected	SIR	95% Conf.Interval
ALL MALIGNANT NEOPLASMS (140-208)	124	155.4	0.80	[0.66 - 0.95]
Buccal Pharynx (140-149)	2	4.76	0.42	[0.05 - 1.52]
Oesophagus (150)	3	1.97	1.52	[0.31 - 4.44]
Stomach (151)	7	9.58	0.73	[0.29 - 1.50]
Small intestine (152)	0	0.46	0.00	[0.00 - 8.01]
Large intestine and rectum(153-154)	12	18.55	0.65	[0.33 - 1.13]
Liver (155)	1	1.72	0.58	[0.01 - 3.24]
Pancreas (157)	6	4.98	1.21	[0.44 - 2.62]
Larynx (161)	3	2.58	1.16	[0.24 - 3.39]
Lung (162)	23	27.32	0.84	[0.53 - 1.26]
Bone (170)	0	0.42	0.00	[0.00 - 8.87]
Melanoma of skin (172)	3	4.33	0.69	[0.14 - 2.02]
Breast (174-175)	0	0.24	0.00	[0.00 - 15.5]
Cervix uteri (180)	0	-	-	-
Ovary (183)	0	-	-	-
Uterus (179,181-182)	0	-	-	-
Other female genital organs (184)	0	-	-	-
Prostate (185)	15	17.81	0.84	[0.47 - 1.39]
Testis (186)	1	2.56	0.39	[0.01 - 2.18]
Bladder (188)	13	11.07	1.17	[0.63 - 2.01]
Kidney (189)	3	5.33	0.56	[0.12 - 1.64]
Brain (191-192)	1	4.05	0.25	[0.01 - 1.38]
Thyroid (193)	1	0.71	1.41	[0.04 - 7.83]
Non-Hodgkins lymphoma (200,202)	3	4.05	0.74	[0.15 - 2.17]
Hodgkins disease (201)	1	1.38	0.73	[0.02 - 4.05]
Leukemia (204-208)	4	3.92	1.02	[0.28 - 2.61]
Other malignant neoplasms	22	27.84	0.79	[0.50 - 1.20]
Non malignant sites	13			

TOTAL COHORT

Ever highly exposed to ACID (inorganic acid mist)

Women

Cancer sites (ICD 9th.revision)	Observed	Expected	SIR	95% Conf.Interval
ALL MALIGNANT NEOPLASMS (140-208)	9	10.73	0.84	[0.38 - 1.59]
Buccal Pharynx (140-149)	0	0.13	0.00	[0.00 - 29.0]
Oesophagus (150)	0	0.08	0.00	[0.00 - 47.4]
Stomach (151)	0	0.49	0.00	[0.00 - 7.46]
Small intestine (152)	0	0.03	0.00	[0.00 - 0141]
Large intestine and rectum(153-154)	0	1.19	0.00	[0.00 - 3.09]
Liver (155)	0	0.1	0.00	[0.00 - 37.8]
Pancreas (157)	0	0.32	0.00	[0.00 - 11.6]
Larynx (161)	0	0.02	0.00	[0.00 - 0156]
Lung (162)	1	0.49	2.03	[0.05 - 11.3]
Bone (170)	0	0.02	0.00	[0.00 - 0191]
Melanoma of skin (172)	1	0.24	4.17	[0.10 - 23.2]
Breast (174-175)	3	2.39	1.25	[0.26 - 3.67]
Cervix uteri (180)	1	0.64	1.57	[0.04 - 8.73]
Ovary (183)	1	0.58	1.73	[0.04 - 9.65]
Uterus (179,181-182)	0	0.65	0.00	[0.00 - 5.65]
Other female genital organs (184)	0	0.06	0.00	[0.00 - 66.0]
Prostate (185)	0	-	-	-
Testis (186)	0	-	-	-
Bladder (188)	1	0.21	4.83	[0.12 - 26.9]
Kidney (189)	0	0.27	0.00	[0.00 - 13.8]
Brain (191-192)	0	0.21	0.00	[0.00 - 17.3]
Thyroid (193)	0	0.12	0.00	[0.00 - 30.3]
Non-Hodgkins lymphoma (200,202)	0	0.21	0.00	[0.00 - 17.2]
Hodgkins disease (201)	0	0.05	0.00	[0.00 - 77.7]
Leukemia (204-208)	0	0.19	0.00	[0.00 - 19.0]
Other malignant neoplasms	1	2.04	0.49	[0.01 - 2.73]
Non malignant sites	0			

Table 4.5.3
Incidence from selected cancer sites

TOTAL COHORT

Ever highly exposed to ASB (asbestos)

Cancer sites (ICD 9th.revision)	Observed	Expected	SIR	95% Conf.Interval
ALL MALIGNANT NEOPLASMS (140-208)	209	245.66	0.85	[0.74 - 0.97]
Buccal Pharynx (140-149)	6	7.66	0.78	[0.29 - 1.70]
Oesophagus (150)	1	3.21	0.31	[0.01 - 1.74]
Stomach (151)	22	19.02	1.16	[0.72 - 1.75]
Small intestine (152)	0	0.81	0.00	[0.00 - 4.57]
Large intestine and rectum(153-154)	22	24.82	0.89	[0.56 - 1.34]
Liver (155)	2	2.87	0.70	[0.08 - 2.52]
Pancreas (157)	5	8.28	0.60	[0.20 - 1.41]
Larynx (161)	7	4.06	1.72	[0.69 - 3.55]
Lung (162)	44	46.15	0.95	[0.69 - 1.28]
Bone (170)	0	0.78	0.00	[0.00 - 4.73]
Melanoma of skin (172)	8	6.66	1.20	[0.52 - 2.37]
Breast (174-175)	3	3.71	0.81	[0.17 - 2.36]
Cervix uteri (180)	2	0.69	2.88	[0.35 - 10.4]
Ovary (183)	0	0.77	0.00	[0.00 - 4.76]
Uterus (179,181-182)	1	0.96	1.05	[0.03 - 5.83]
Other female genital organs (184)	0	0.1	0.00	[0.00 - 38.2]
Prostate (185)	26	27.61	0.94	[0.62 - 1.38]
Testis (186)	4	2.42	1.65	[0.45 - 4.24]
Bladder (188)	10	13.18	0.76	[0.36 - 1.40]
Kidney (189)	3	8.47	0.35	[0.07 - 1.04]
Brain (191-192)	3	5.99	0.50	[0.10 - 1.46]
Thyroid (193)	2	1.48	1.35	[0.16 - 4.87]
Non-Hodgkins lymphoma (200,202)	7	6.42	1.09	[0.44 - 2.25]
Hodgkins disease (201)	1	2.07	0.48	[0.01 - 2.69]
Leukemia (204-208)	4	5.7	0.70	[0.19 - 1.80]
Other malignant neoplasms	26	42.09	0.62	[0.40 - 0.91]
Non malignant sites	5			

Table 4.5.4
Incidence from selected cancer sites

TOTAL COHORT

Ever highly exposed to ASB (asbestos)

Men

Cancer sites (ICD 9th.revision)	Observed	Expected	SIR	95% Conf.Interval
ALL MALIGNANT NEOPLASMS (140-208)	197	229.7	0.86	[0.74 - 0.99]
Buccal Pharynx (140-149)	6	7.44	0.81	[0.30 - 1.76]
Oesophagus (150)	1	3.01	0.33	[0.01 - 1.85]
Stomach (151)	20	18	1.11	[0.68 - 1.72]
Small intestine (152)	0	0.76	0.00	[0.00 - 4.85]
Large intestine and rectum(153-154)	21	23.44	0.90	[0.55 - 1.37]
Liver (155)	2	2.69	0.74	[0.09 - 2.69]
Pancreas (157)	4	7.72	0.52	[0.14 - 1.33]
Larynx (161)	7	4.03	1.74	[0.70 - 3.58]
Lung (162)	43	45.59	0.94	[0.68 - 1.27]
Bone (170)	0	0.74	0.00	[0.00 - 4.97]
Melanoma of skin (172)	8	6.32	1.26	[0.55 - 2.49]
Breast (174-175)	0	0.31	0.00	[0.00 - 12.0]
Cervix uteri (180)	0	-	-	-
Ovary (183)	0	-	-	-
Uterus (179,181-182)	0	-	-	-
Other female genital organs (184)	0	-	-	-
Prostate (185)	26	27.61	0.94	[0.62 - 1.38]
Testis (186)	4	2.42	1.65	[0.45 - 4.24]
Bladder (188)	10	12.96	0.77	[0.37 - 1.42]
Kidney (189)	3	8.08	0.37	[0.08 - 1.09]
Brain (191-192)	3	5.69	0.53	[0.11 - 1.54]
Thyroid (193)	2	1.23	1.62	[0.20 - 5.87]
Non-Hodgkins lymphoma (200,202)	7	6.06	1.16	[0.46 - 2.38]
Hodgkins disease (201)	1	2	0.50	[0.01 - 2.79]
Leukemia (204-208)	3	5.41	0.55	[0.11 - 1.62]
Other malignant neoplasms	26	38.49	0.68	[0.44 - 0.99]
Non malignant sites	5			

TOTAL COHORT

Ever highly exposed to ASB (asbestos)

Women

Cancer sites (ICD 9th.revision)	Observed	Expected	SIR	95% Conf.Interval
ALL MALIGNANT NEOPLASMS (140-208)	12	15.97	0.75	[0.39 - 1.31]
Buccal Pharynx (140-149)	0	0.23	0.00	[0.00 - 16.2]
Oesophagus (150)	0	0.2	0.00	[0.00 - 18.9]
Stomach (151)	2	1.01	1.98	[0.24 - 7.14]
Small intestine (152)	0	0.05	0.00	[0.00 - 80.9]
Large intestine and rectum(153-154)	1	1.38	0.72	[0.02 - 4.04]
Liver (155)	0	0.18	0.00	[0.00 - 20.5]
Pancreas (157)	1	0.55	1.81	[0.05 - 10.1]
Larynx (161)	0	0.03	0.00	[0.00 - 0141]
Lung (162)	1	0.56	1.79	[0.04 - 10.0]
Bone (170)	0	0.04	0.00	[0.00 - 98.4]
Melanoma of skin (172)	0	0.34	0.00	[0.00 - 10.9]
Breast (174-175)	3	3.4	0.88	[0.18 - 2.58]
Cervix uteri (180)	2	0.69	2.88	[0.35 - 10.4]
Ovary (183)	0	0.77	0.00	[0.00 - 4.76]
Uterus (179,181-182)	1	0.96	1.05	[0.03 - 5.83]
Other female genital organs (184)	0	0.1	0.00	[0.00 - 38.2]
Prostate (185)	0	-	-	-
Testis (186)	0	-	-	-
Bladder (188)	0	0.22	0.00	[0.00 - 16.7]
Kidney (189)	0	0.39	0.00	[0.00 - 9.46]
Brain (191-192)	0	0.29	0.00	[0.00 - 12.6]
Thyroid (193)	0	0.25	0.00	[0.00 - 14.7]
Non-Hodgkins lymphoma (200,202)	0	0.37	0.00	[0.00 - 10.1]
Hodgkins disease (201)	0	0.08	0.00	[0.00 - 48.3]
Leukemia (204-208)	1	0.29	3.40	[0.08 - 18.9]
Other malignant neoplasms	0	3.6	0.00	[0.00 - 1.02]
Non malignant sites	0			

Table 4.5.5
Incidence from selected cancer sites

TOTAL COHORT

Ever highly exposed to CLIO (inorganic chlorine compounds)

Cancer sites (ICD 9th.revision)	Observed	Expected	SIR	95% Conf.Interval
ALL MALIGNANT NEOPLASMS (140-208)	96	112.1	0.86	[0.69 - 1.05]
Buccal Pharynx (140-149)	3	3.55	0.84	[0.17 - 2.47]
Oesophagus (150)	1	1.39	0.72	[0.02 - 4.01]
Stomach (151)	8	8.8	0.91	[0.39 - 1.79]
Small intestine (152)	0	0.38	0.00	[0.00 - 9.78]
Large intestine and rectum(153-154)	12	13.63	0.88	[0.45 - 1.54]
Liver (155)	0	1.1	0.00	[0.00 - 3.36]
Pancreas (157)	5	3.86	1.29	[0.42 - 3.02]
Larynx (161)	0	1.55	0.00	[0.00 - 2.38]
Lung (162)	14	16.59	0.84	[0.46 - 1.42]
Bone (170)	0	0.35	0.00	[0.00 - 10.6]
Melanoma of skin (172)	4	3.99	1.00	[0.27 - 2.57]
Breast (174-175)	1	0.61	1.63	[0.04 - 9.08]
Cervix uteri (180)	0	0.11	0.00	[0.00 - 34.4]
Ovary (183)	0	0.09	0.00	[0.00 - 41.3]
Uterus (179,181-182)	0	0.09	0.00	[0.00 - 42.4]
Other female genital organs (184)	0	0.01	0.00	[0.00 - 0402]
Prostate (185)	12	16.71	0.72	[0.37 - 1.25]
Testis (186)	1	1.55	0.64	[0.02 - 3.59]
Bladder (188)	5	6.62	0.76	[0.25 - 1.76]
Kidney (189)	1	4.13	0.24	[0.01 - 1.35]
Brain (191-192)	4	3.17	1.26	[0.34 - 3.23]
Thyroid (193)	2	0.75	2.68	[0.32 - 9.68]
Non-Hodgkins lymphoma (200,202)	3	3.27	0.92	[0.19 - 2.69]
Hodgkins disease (201)	1	1.1	0.91	[0.02 - 5.08]
Leukemia (204-208)	2	2.82	0.71	[0.09 - 2.56]
Other malignant neoplasms	17	16.06	1.06	[0.62 - 1.69]
Non malignant sites	1			

Table 4.5.6
Incidence from selected cancer sites

TOTAL COHORT

Ever highly exposed to CLIO (inorganic chlorine compounds)

Men

Cancer sites (ICD 9th.revision)	Observed	Expected	SIR	95% Conf.Interval
ALL MALIGNANT NEOPLASMS (140-208)	95	110.52	0.86	[0.70 - 1.05]
Buccal Pharynx (140-149)	3	3.53	0.85	[0.18 - 2.48]
Oesophagus (150)	1	1.38	0.72	[0.02 - 4.03]
Stomach (151)	8	8.75	0.91	[0.39 - 1.80]
Small intestine (152)	0	0.37	0.00	[0.00 - 9.88]
Large intestine and rectum(153-154)	12	13.51	0.89	[0.46 - 1.55]
Liver (155)	0	1.09	0.00	[0.00 - 3.39]
Pancreas (157)	4	3.83	1.04	[0.28 - 2.67]
Larynx (161)	0	1.55	0.00	[0.00 - 2.38]
Lung (162)	14	16.54	0.85	[0.46 - 1.42]
Bone (170)	0	0.34	0.00	[0.00 - 10.8]
Melanoma of skin (172)	4	3.88	1.03	[0.28 - 2.64]
Breast (174-175)	1	0.16	6.08	[0.15 - 33.9]
Cervix uteri (180)	0	-	-	-
Ovary (183)	0	-	-	-
Uterus (179,181-182)	0	-	-	-
Other female genital organs (184)	0	-	-	-
Prostate (185)	12	16.71	0.72	[0.37 - 1.25]
Testis (186)	1	1.55	0.64	[0.02 - 3.59]
Bladder (188)	5	6.6	0.76	[0.25 - 1.77]
Kidney (189)	1	4.1	0.24	[0.01 - 1.36]
Brain (191-192)	4	3.13	1.28	[0.35 - 3.28]
Thyroid (193)	2	0.71	2.84	[0.34 - 10.2]
Non-Hodgkins lymphoma (200,202)	3	3.23	0.93	[0.19 - 2.72]
Hodgkins disease (201)	1	1.08	0.92	[0.02 - 5.14]
Leukemia (204-208)	2	2.79	0.72	[0.09 - 2.59]
Other malignant neoplasms	17	15.85	1.07	[0.62 - 1.72]
Non malignant sites	1			

TOTAL COHORT

Ever highly exposed to CLIO (inorganic chlorine compounds)

Women

Cancer sites (ICD 9th.revision)	Observed	Expected	SIR	95% Conf.Interval
ALL MALIGNANT NEOPLASMS (140-208)	1	1.58	0.63	[0.02 - 3.52]
Buccal Pharynx (140-149)	0	0.02	0.00	[0.00 - 0205]
Oesophagus (150)	0	0.01	0.00	[0.00 - 0496]
Stomach (151)	0	0.05	0.00	[0.00 - 70.9]
Small intestine (152)	0	-	-	-
Large intestine and rectum(153-154)	0	0.12	0.00	[0.00 - 30.5]
Liver (155)	0	0.01	0.00	[0.00 - 0377]
Pancreas (157)	1	0.03	32.30	[0.81 - 0180]
Larynx (161)	0	-	-	-
Lung (162)	0	0.05	0.00	[0.00 - 70.5]
Bone (170)	0	-	-	-
Melanoma of skin (172)	0	0.11	0.00	[0.00 - 35.0]
Breast (174-175)	0	0.45	0.00	[0.00 - 8.21]
Cervix uteri (180)	0	0.11	0.00	[0.00 - 34.4]
Ovary (183)	0	0.09	0.00	[0.00 - 41.3]
Uterus (179,181-182)	0	0.09	0.00	[0.00 - 42.4]
Other female genital organs (184)	0	0.01	0.00	[0.00 - 0402]
Prostate (185)	0	-	-	-
Testis (186)	0	-	-	-
Bladder (188)	0	0.02	0.00	[0.00 - 0225]
Kidney (189)	0	0.03	0.00	[0.00 - 0110]
Brain (191-192)	0	0.04	0.00	[0.00 - 87.0]
Thyroid (193)	0	0.04	0.00	[0.00 - 88.5]
Non-Hodgkins lymphoma (200,202)	0	0.04	0.00	[0.00 - 93.0]
Hodgkins disease (201)	0	0.01	0.00	[0.00 - 0266]
Leukemia (204-208)	0	0.03	0.00	[0.00 - 0138]
Other malignant neoplasms	0	0.22	0.00	[0.00 - 17.0]
Non malignant sites	0			

Table 4.5.7
Incidence from selected cancer sites

TOTAL COHORT

Ever highly exposed to CLVO (volatile organochlorine compounds)

Cancer sites (ICD 9th.revision)	Observed	Expected	SIR	95% Conf.Interval
ALL MALIGNANT NEOPLASMS (140-208)	762	795.87	0.96	[0.89 - 1.03]
Buccal Pharynx (140-149)	25	23.38	1.07	[0.69 - 1.58]
Oesophagus (150)	6	9.14	0.66	[0.24 - 1.43]
Stomach (151)	54	49.42	1.09	[0.82 - 1.43]
Small intestine (152)	1	2.32	0.43	[0.01 - 2.40]
Large intestine and rectum(153-154)	105	101.5	1.03	[0.85 - 1.25]
Liver (155)	4	6.83	0.59	[0.16 - 1.50]
Pancreas (157)	16	24.83	0.64	[0.37 - 1.05]
Larynx (161)	12	10.96	1.10	[0.57 - 1.91]
Lung (162)	127	112.51	1.13	[0.94 - 1.34]
Bone (170)	0	2.14	0.00	[0.00 - 1.72]
Melanoma of skin (172)	22	29.5	0.75	[0.47 - 1.13]
Breast (174-175)	21	24.98	0.84	[0.52 - 1.29]
Cervix uteri (180)	10	8.47	1.18	[0.57 - 2.17]
Ovary (183)	4	5.47	0.73	[0.20 - 1.87]
Uterus (179,181-182)	4	5.41	0.74	[0.20 - 1.89]
Other female genital organs (184)	1	0.49	2.05	[0.05 - 11.4]
Prostate (185)	88	91.87	0.96	[0.77 - 1.18]
Testis (186)	10	15.8	0.63	[0.30 - 1.16]
Bladder (188)	54	50.76	1.06	[0.80 - 1.39]
Kidney (189)	24	26.75	0.90	[0.57 - 1.33]
Brain (191-192)	15	23.5	0.64	[0.36 - 1.05]
Thyroid (193)	4	4.66	0.86	[0.23 - 2.20]
Non-Hodgkins lymphoma (200,202)	17	21.57	0.79	[0.46 - 1.26]
Hodgkins disease (201)	8	7.43	1.08	[0.46 - 2.12]
Leukemia (204-208)	11	19.26	0.57	[0.29 - 1.02]
Other malignant neoplasms	119	118.02	1.01	[0.84 - 1.21]
Non malignant sites	49			

Table 4.5.8
Incidence from selected cancer sites

TOTAL COHORT

Ever highly exposed to CLVO (volatile organochlorine compounds)

Men

Cancer sites (ICD 9th.revision)	Observed	Expected	SIR	95% Conf.Interval
ALL MALIGNANT NEOPLASMS (140-208)	666	700.81	0.95	[0.88 - 1.03]
Buccal Pharynx (140-149)	22	22.37	0.98	[0.62 - 1.49]
Oesophagus (150)	5	8.74	0.57	[0.19 - 1.33]
Stomach (151)	53	46.82	1.13	[0.85 - 1.48]
Small intestine (152)	1	2.13	0.47	[0.01 - 2.62]
Large intestine and rectum(153-154)	93	91.58	1.02	[0.82 - 1.24]
Liver (155)	3	6.26	0.48	[0.10 - 1.40]
Pancreas (157)	15	22.75	0.66	[0.37 - 1.09]
Larynx (161)	12	10.65	1.13	[0.58 - 1.97]
Lung (162)	114	106.39	1.07	[0.88 - 1.29]
Bone (170)	0	2	0.00	[0.00 - 1.85]
Melanoma of skin (172)	21	26.45	0.79	[0.49 - 1.21]
Breast (174-175)	0	1.12	0.00	[0.00 - 3.30]
Cervix uteri (180)	0	-	-	-
Ovary (183)	0	-	-	-
Uterus (179,181-182)	0	-	-	-
Other female genital organs (184)	0	-	-	-
Prostate (185)	88	91.87	0.96	[0.77 - 1.18]
Testis (186)	10	15.8	0.63	[0.30 - 1.16]
Bladder (188)	52	48.7	1.07	[0.80 - 1.40]
Kidney (189)	23	24.81	0.93	[0.59 - 1.39]
Brain (191-192)	15	21.37	0.70	[0.39 - 1.16]
Thyroid (193)	4	3.92	1.02	[0.28 - 2.61]
Non-Hodgkins lymphoma (200,202)	15	19.96	0.75	[0.42 - 1.24]
Hodgkins disease (201)	7	6.93	1.01	[0.41 - 2.08]
Leukemia (204-208)	10	17.75	0.56	[0.27 - 1.04]
Other malignant neoplasms	103	103.55	0.99	[0.81 - 1.21]
Non malignant sites	36			

TOTAL COHORT

Ever highly exposed to CLVO (volatile organochlorine compounds)

Women

Cancer sites (ICD 9th.revision)	Observed	Expected	SIR	95% Conf.Interval
ALL MALIGNANT NEOPLASMS (140-208)	96	95.06	1.01	[0.82 - 1.23]
Buccal Pharynx (140-149)	3	1.01	2.97	[0.61 - 8.68]
Oesophagus (150)	1	0.4	2.52	[0.06 - 14.1]
Stomach (151)	1	2.59	0.39	[0.01 - 2.15]
Small intestine (152)	0	0.19	0.00	[0.00 - 19.3]
Large intestine and rectum(153-154)	12	9.92	1.21	[0.63 - 2.11]
Liver (155)	1	0.57	1.74	[0.04 - 9.72]
Pancreas (157)	1	2.08	0.48	[0.01 - 2.68]
Larynx (161)	0	0.31	0.00	[0.00 - 11.9]
Lung (162)	13	6.12	2.12	[1.13 - 3.63]
Bone (170)	0	0.15	0.00	[0.00 - 24.8]
Melanoma of skin (172)	1	3.05	0.33	[0.01 - 1.82]
Breast (174-175)	21	23.86	0.88	[0.54 - 1.35]
Cervix uteri (180)	10	8.47	1.18	[0.57 - 2.17]
Ovary (183)	4	5.47	0.73	[0.20 - 1.87]
Uterus (179,181-182)	4	5.41	0.74	[0.20 - 1.89]
Other female genital organs (184)	1	0.49	2.05	[0.05 - 11.4]
Prostate (185)	0	-	-	-
Testis (186)	0	-	-	-
Bladder (188)	2	2.06	0.97	[0.12 - 3.51]
Kidney (189)	1	1.95	0.51	[0.01 - 2.86]
Brain (191-192)	0	2.13	0.00	[0.00 - 1.73]
Thyroid (193)	0	0.73	0.00	[0.00 - 5.04]
Non-Hodgkins lymphoma (200,202)	2	1.61	1.24	[0.15 - 4.47]
Hodgkins disease (201)	1	0.51	1.97	[0.05 - 11.0]
Leukemia (204-208)	1	1.51	0.66	[0.02 - 3.68]
Other malignant neoplasms	16	14.47	1.11	[0.63 - 1.80]
Non malignant sites	13			

Table 4.5.9
Incidence from selected cancer sites

TOTAL COHORT

Ever highly exposed to COMB (combustion products)

Cancer sites (ICD 9th.revision)	Observed	Expected	SIR	95% Conf.Interval
ALL MALIGNANT NEOPLASMS (140-208)	1604	1818.73	0.88	[0.84 - 0.93]
Buccal Pharynx (140-149)	55	49.32	1.12	[0.84 - 1.45]
Oesophagus (150)	23	20.4	1.13	[0.71 - 1.69]
Stomach (151)	106	115.18	0.92	[0.75 - 1.11]
Small intestine (152)	3	5.31	0.57	[0.12 - 1.65]
Large intestine and rectum(153-154)	157	212.82	0.74	[0.63 - 0.86]
Liver (155)	15	17.43	0.86	[0.48 - 1.42]
Pancreas (157)	48	56.67	0.85	[0.62 - 1.12]
Larynx (161)	27	23.94	1.13	[0.74 - 1.64]
Lung (162)	263	264.81	0.99	[0.88 - 1.12]
Bone (170)	2	4.42	0.45	[0.05 - 1.63]
Melanoma of skin (172)	43	56.45	0.76	[0.55 - 1.03]
Breast (174-175)	87	97.95	0.89	[0.71 - 1.10]
Cervix uteri (180)	33	30.48	1.08	[0.75 - 1.52]
Ovary (183)	34	23.35	1.46	[1.01 - 2.03]
Uterus (179,181-182)	17	22.35	0.76	[0.44 - 1.22]
Other female genital organs (184)	4	2.15	1.86	[0.51 - 4.76]
Prostate (185)	175	187.48	0.93	[0.80 - 1.08]
Testis (186)	13	22.88	0.57	[0.30 - 0.97]
Bladder (188)	97	103.36	0.94	[0.76 - 1.14]
Kidney (189)	49	57.43	0.85	[0.63 - 1.13]
Brain (191-192)	29	46.5	0.62	[0.42 - 0.90]
Thyroid (193)	7	12.12	0.58	[0.23 - 1.19]
Non-Hodgkins lymphoma (200,202)	37	44.97	0.82	[0.58 - 1.13]
Hodgkins disease (201)	13	14.22	0.91	[0.49 - 1.56]
Leukemia (204-208)	31	41.59	0.75	[0.51 - 1.06]
Other malignant neoplasms	236	287.29	0.82	[0.72 - 0.93]
Non malignant sites	93			

Table 4.5.10
Incidence from selected cancer sites

TOTAL COHORT

Ever highly exposed to COMB (combustion products)

Men

Cancer sites (ICD 9th.revision)	Observed	Expected	SIR	95% Conf.Interval
ALL MALIGNANT NEOPLASMS (140-208)	1255	1434.58	0.87	[0.83 - 0.92]
Buccal Pharynx (140-149)	48	45.05	1.07	[0.79 - 1.41]
Oesophagus (150)	19	18.54	1.02	[0.62 - 1.60]
Stomach (151)	88	101.51	0.87	[0.70 - 1.07]
Small intestine (152)	3	4.36	0.69	[0.14 - 2.01]
Large intestine and rectum(153-154)	127	171.88	0.74	[0.62 - 0.88]
Liver (155)	13	15.1	0.86	[0.46 - 1.47]
Pancreas (157)	41	47.37	0.87	[0.62 - 1.17]
Larynx (161)	24	23.04	1.04	[0.67 - 1.55]
Lung (162)	232	244.89	0.95	[0.83 - 1.08]
Bone (170)	2	3.74	0.53	[0.06 - 1.93]
Melanoma of skin (172)	36	42.04	0.86	[0.60 - 1.19]
Breast (174-175)	2	2.14	0.93	[0.11 - 3.38]
Cervix uteri (180)	0	-	-	-
Ovary (183)	0	-	-	-
Uterus (179,181-182)	0	-	-	-
Other female genital organs (184)	0	-	-	-
Prostate (185)	175	187.48	0.93	[0.80 - 1.08]
Testis (186)	13	22.88	0.57	[0.30 - 0.97]
Bladder (188)	91	95.94	0.95	[0.76 - 1.16]
Kidney (189)	42	49.32	0.85	[0.61 - 1.15]
Brain (191-192)	23	37.17	0.62	[0.39 - 0.93]
Thyroid (193)	7	6.93	1.01	[0.41 - 2.08]
Non-Hodgkins lymphoma (200,202)	31	37.21	0.83	[0.57 - 1.18]
Hodgkins disease (201)	12	12.01	1.00	[0.52 - 1.75]
Leukemia (204-208)	25	35.16	0.71	[0.46 - 1.05]
Other malignant neoplasms	201	232.99	0.86	[0.75 - 0.99]
Non malignant sites	64			

TOTAL COHORT

Ever highly exposed to COMB (combustion products)

Women

Cancer sites (ICD 9th.revision)	Observed	Expected	SIR	95% Conf.Interval
ALL MALIGNANT NEOPLASMS (140-208)	349	384.15	0.91	[0.82 - 1.01]
Buccal Pharynx (140-149)	7	4.27	1.64	[0.66 - 3.37]
Oesophagus (150)	4	1.86	2.15	[0.59 - 5.50]
Stomach (151)	18	13.67	1.32	[0.78 - 2.08]
Small intestine (152)	0	0.95	0.00	[0.00 - 3.90]
Large intestine and rectum(153-154)	30	40.95	0.73	[0.49 - 1.05]
Liver (155)	2	2.33	0.86	[0.10 - 3.10]
Pancreas (157)	7	9.3	0.75	[0.30 - 1.55]
Larynx (161)	3	0.9	3.32	[0.69 - 9.71]
Lung (162)	31	19.92	1.56	[1.06 - 2.21]
Bone (170)	0	0.68	0.00	[0.00 - 5.44]
Melanoma of skin (172)	7	14.41	0.49	[0.20 - 1.00]
Breast (174-175)	85	95.81	0.89	[0.71 - 1.10]
Cervix uteri (180)	33	30.48	1.08	[0.75 - 1.52]
Ovary (183)	34	23.35	1.46	[1.01 - 2.03]
Uterus (179,181-182)	17	22.35	0.76	[0.44 - 1.22]
Other female genital organs (184)	4	2.15	1.86	[0.51 - 4.76]
Prostate (185)	0	-	-	-
Testis (186)	0	-	-	-
Bladder (188)	6	7.42	0.81	[0.30 - 1.76]
Kidney (189)	7	8.11	0.86	[0.35 - 1.78]
Brain (191-192)	6	9.33	0.64	[0.24 - 1.40]
Thyroid (193)	0	5.2	0.00	[0.00 - 0.71]
Non-Hodgkins lymphoma (200,202)	6	7.76	0.77	[0.28 - 1.68]
Hodgkins disease (201)	1	2.21	0.45	[0.01 - 2.52]
Leukemia (204-208)	6	6.43	0.93	[0.34 - 2.03]
Other malignant neoplasms	35	54.3	0.64	[0.45 - 0.90]
Non malignant sites	29			

Table 4.5.11
Incidence from selected cancer sites

TOTAL COHORT

Ever highly exposed to FORM (formaldehyde)

Cancer sites (ICD 9th.revision)	Observed	Expected	SIR	95% Conf.Interval
ALL MALIGNANT NEOPLASMS (140-208)	395	448.63	0.88	[0.80 - 0.97]
Buccal Pharynx (140-149)	11	13.47	0.82	[0.41 - 1.46]
Oesophagus (150)	4	5.3	0.75	[0.21 - 1.93]
Stomach (151)	32	29.02	1.10	[0.75 - 1.56]
Small intestine (152)	2	1.37	1.46	[0.18 - 5.29]
Large intestine and rectum(153-154)	39	56.05	0.70	[0.49 - 0.95]
Liver (155)	4	4.24	0.94	[0.26 - 2.41]
Pancreas (157)	18	14.46	1.25	[0.74 - 1.97]
Larynx (161)	5	6.63	0.75	[0.24 - 1.76]
Lung (162)	60	68.87	0.87	[0.66 - 1.12]
Bone (170)	0	1.23	0.00	[0.00 - 3.00]
Melanoma of skin (172)	18	14.34	1.26	[0.74 - 1.98]
Breast (174-175)	7	7.11	0.99	[0.40 - 2.03]
Cervix uteri (180)	1	1.44	0.69	[0.02 - 3.86]
Ovary (183)	1	1.43	0.70	[0.02 - 3.90]
Uterus (179,181-182)	0	1.39	0.00	[0.00 - 2.66]
Other female genital organs (184)	0	0.13	0.00	[0.00 - 28.2]
Prostate (185)	48	53.75	0.89	[0.66 - 1.18]
Testis (186)	5	8.21	0.61	[0.20 - 1.42]
Bladder (188)	33	30.57	1.08	[0.74 - 1.52]
Kidney (189)	8	15.67	0.51	[0.22 - 1.01]
Brain (191-192)	11	13.01	0.85	[0.42 - 1.51]
Thyroid (193)	1	2.78	0.36	[0.01 - 2.00]
Non-Hodgkins lymphoma (200,202)	8	12.12	0.66	[0.29 - 1.30]
Hodgkins disease (201)	6	4.25	1.41	[0.52 - 3.08]
Leukemia (204-208)	8	11.08	0.72	[0.31 - 1.42]
Other malignant neoplasms	65	71.37	0.91	[0.70 - 1.16]
Non malignant sites	27			

Table 4.5.12
Incidence from selected cancer sites

TOTAL COHORT

Ever highly exposed to FORM (formaldehyde)

Men

Cancer sites (ICD 9th.revision)	Observed	Expected	SIR	95% Conf.Interval
ALL MALIGNANT NEOPLASMS (140-208)	368	424.73	0.87	[0.78 - 0.96]
Buccal Pharynx (140-149)	11	13.21	0.83	[0.42 - 1.49]
Oesophagus (150)	4	5.18	0.77	[0.21 - 1.98]
Stomach (151)	31	28.11	1.10	[0.75 - 1.57]
Small intestine (152)	2	1.3	1.54	[0.19 - 5.56]
Large intestine and rectum(153-154)	37	53.73	0.69	[0.48 - 0.95]
Liver (155)	3	4.08	0.74	[0.15 - 2.15]
Pancreas (157)	16	13.89	1.15	[0.66 - 1.87]
Larynx (161)	5	6.59	0.76	[0.25 - 1.77]
Lung (162)	58	67.92	0.85	[0.65 - 1.10]
Bone (170)	0	1.18	0.00	[0.00 - 3.14]
Melanoma of skin (172)	16	13.47	1.19	[0.68 - 1.93]
Breast (174-175)	0	0.66	0.00	[0.00 - 5.63]
Cervix uteri (180)	0	-	-	-
Ovary (183)	0	-	-	-
Uterus (179,181-182)	0	-	-	-
Other female genital organs (184)	0	-	-	-
Prostate (185)	48	53.75	0.89	[0.66 - 1.18]
Testis (186)	5	8.21	0.61	[0.20 - 1.42]
Bladder (188)	30	30.18	0.99	[0.67 - 1.42]
Kidney (189)	7	15.14	0.46	[0.19 - 0.95]
Brain (191-192)	10	12.39	0.81	[0.39 - 1.48]
Thyroid (193)	1	2.28	0.44	[0.01 - 2.45]
Non-Hodgkins lymphoma (200,202)	8	11.57	0.69	[0.30 - 1.36]
Hodgkins disease (201)	6	4.09	1.47	[0.54 - 3.20]
Leukemia (204-208)	8	10.66	0.75	[0.32 - 1.48]
Other malignant neoplasms	62	67.79	0.91	[0.70 - 1.17]
Non malignant sites	27			

TOTAL COHORT

Ever highly exposed to FORM (formaldehyde)

Women

Cancer sites (ICD 9th.revision)	Observed	Expected	SIR	95% Conf.Interval
ALL MALIGNANT NEOPLASMS (140-208)	27	23.9	1.13	[0.74 - 1.64]
Buccal Pharynx (140-149)	0	0.26	0.00	[0.00 - 14.2]
Oesophagus (150)	0	0.12	0.00	[0.00 - 31.4]
Stomach (151)	1	0.91	1.10	[0.03 - 6.11]
Small intestine (152)	0	0.07	0.00	[0.00 - 55.9]
Large intestine and rectum(153-154)	2	2.32	0.86	[0.10 - 3.12]
Liver (155)	1	0.16	6.11	[0.15 - 34.0]
Pancreas (157)	2	0.57	3.53	[0.43 - 12.8]
Larynx (161)	0	0.04	0.00	[0.00 - 89.1]
Lung (162)	2	0.95	2.11	[0.26 - 7.62]
Bone (170)	0	0.05	0.00	[0.00 - 68.6]
Melanoma of skin (172)	2	0.87	2.30	[0.28 - 8.32]
Breast (174-175)	7	6.45	1.09	[0.44 - 2.24]
Cervix uteri (180)	1	1.44	0.69	[0.02 - 3.86]
Ovary (183)	1	1.43	0.70	[0.02 - 3.90]
Uterus (179,181-182)	0	1.39	0.00	[0.00 - 2.66]
Other female genital organs (184)	0	0.13	0.00	[0.00 - 28.2]
Prostate (185)	0	-	-	-
Testis (186)	0	-	-	-
Bladder (188)	3	0.39	7.79	[1.61 - 22.8]
Kidney (189)	1	0.53	1.88	[0.05 - 10.5]
Brain (191-192)	1	0.62	1.62	[0.04 - 9.00]
Thyroid (193)	0	0.51	0.00	[0.00 - 7.24]
Non-Hodgkins lymphoma (200,202)	0	0.54	0.00	[0.00 - 6.78]
Hodgkins disease (201)	0	0.16	0.00	[0.00 - 23.1]
Leukemia (204-208)	0	0.41	0.00	[0.00 - 8.92]
Other malignant neoplasms	3	3.59	0.84	[0.17 - 2.44]
Non malignant sites	0			

Table 4.5.13
Incidence from selected cancer sites

TOTAL COHORT

Ever highly exposed to FUNG (fungal spores and bacteria)

Cancer sites (ICD 9th.revision)	Observed	Expected	SIR	95% Conf.Interval
ALL MALIGNANT NEOPLASMS (140-208)	622	754.43	0.82	[0.76 - 0.89]
Buccal Pharynx (140-149)	18	20.89	0.86	[0.51 - 1.36]
Oesophagus (150)	7	8.74	0.80	[0.32 - 1.65]
Stomach (151)	52	49.68	1.05	[0.78 - 1.37]
Small intestine (152)	0	2.22	0.00	[0.00 - 1.66]
Large intestine and rectum(153-154)	73	86.85	0.84	[0.66 - 1.06]
Liver (155)	7	7.44	0.94	[0.38 - 1.94]
Pancreas (157)	21	24.4	0.86	[0.53 - 1.32]
Larynx (161)	13	9.98	1.30	[0.69 - 2.23]
Lung (162)	103	109.48	0.94	[0.77 - 1.14]
Bone (170)	1	1.8	0.56	[0.01 - 3.10]
Melanoma of skin (172)	22	21.75	1.01	[0.63 - 1.53]
Breast (174-175)	22	31.26	0.70	[0.44 - 1.07]
Cervix uteri (180)	11	9.64	1.14	[0.57 - 2.04]
Ovary (183)	10	6.89	1.45	[0.70 - 2.67]
Uterus (179,181-182)	3	7.4	0.41	[0.08 - 1.18]
Other female genital organs (184)	0	0.72	0.00	[0.00 - 5.16]
Prostate (185)	83	91.29	0.91	[0.72 - 1.13]
Testis (186)	6	9.56	0.63	[0.23 - 1.37]
Bladder (188)	36	43.9	0.82	[0.57 - 1.14]
Kidney (189)	11	24.82	0.44	[0.22 - 0.79]
Brain (191-192)	14	18.72	0.75	[0.41 - 1.25]
Thyroid (193)	1	4.34	0.23	[0.01 - 1.28]
Non-Hodgkins lymphoma (200,202)	12	19.15	0.63	[0.32 - 1.09]
Hodgkins disease (201)	7	5.85	1.20	[0.48 - 2.47]
Leukemia (204-208)	15	17.38	0.86	[0.48 - 1.42]
Other malignant neoplasms	74	121.2	0.61	[0.48 - 0.77]
Non malignant sites	36			

Table 4.5.14
Incidence from selected cancer sites

TOTAL COHORT

Ever highly exposed to FUNG (fungal spores and bacteria)

Men

Cancer sites (ICD 9th.revision)	Observed	Expected	SIR	95% Conf.Interval
ALL MALIGNANT NEOPLASMS (140-208)	535	627.23	0.85	[0.78 - 0.93]
Buccal Pharynx (140-149)	15	19.49	0.77	[0.43 - 1.27]
Oesophagus (150)	5	8.01	0.62	[0.20 - 1.46]
Stomach (151)	48	45.73	1.05	[0.77 - 1.39]
Small intestine (152)	0	1.95	0.00	[0.00 - 1.89]
Large intestine and rectum(153-154)	68	74.01	0.92	[0.71 - 1.16]
Liver (155)	6	6.46	0.93	[0.34 - 2.02]
Pancreas (157)	20	21.18	0.94	[0.58 - 1.46]
Larynx (161)	11	9.6	1.15	[0.57 - 2.05]
Lung (162)	95	101.96	0.93	[0.75 - 1.14]
Bone (170)	1	1.58	0.63	[0.02 - 3.53]
Melanoma of skin (172)	20	18.16	1.10	[0.67 - 1.70]
Breast (174-175)	1	0.92	1.09	[0.03 - 6.05]
Cervix uteri (180)	0	-	-	-
Ovary (183)	0	-	-	-
Uterus (179,181-182)	0	-	-	-
Other female genital organs (184)	0	-	-	-
Prostate (185)	83	91.29	0.91	[0.72 - 1.13]
Testis (186)	6	9.56	0.63	[0.23 - 1.37]
Bladder (188)	32	41.29	0.77	[0.53 - 1.09]
Kidney (189)	10	22.01	0.45	[0.22 - 0.84]
Brain (191-192)	14	16.06	0.87	[0.48 - 1.46]
Thyroid (193)	1	3.2	0.31	[0.01 - 1.74]
Non-Hodgkins lymphoma (200,202)	12	16.77	0.72	[0.37 - 1.25]
Hodgkins disease (201)	6	5.21	1.15	[0.42 - 2.51]
Leukemia (204-208)	12	15.25	0.79	[0.41 - 1.37]
Other malignant neoplasms	69	98.45	0.70	[0.55 - 0.89]
Non malignant sites	21			

TOTAL COHORT

Ever highly exposed to FUNG (fungal spores and bacteria)

Women

Cancer sites (ICD 9th.revision)	Observed	Expected	SIR	95% Conf.Interval
ALL MALIGNANT NEOPLASMS (140-208)	87	127.2	0.68	[0.55 - 0.84]
Buccal Pharynx (140-149)	3	1.41	2.13	[0.44 - 6.23]
Oesophagus (150)	2	0.73	2.73	[0.33 - 9.85]
Stomach (151)	4	3.95	1.01	[0.28 - 2.59]
Small intestine (152)	0	0.27	0.00	[0.00 - 13.6]
Large intestine and rectum(153-154)	5	12.84	0.39	[0.13 - 0.91]
Liver (155)	1	0.98	1.02	[0.03 - 5.70]
Pancreas (157)	1	3.22	0.31	[0.01 - 1.73]
Larynx (161)	2	0.38	5.24	[0.63 - 18.9]
Lung (162)	8	7.52	1.06	[0.46 - 2.10]
Bone (170)	0	0.22	0.00	[0.00 - 17.1]
Melanoma of skin (172)	2	3.59	0.56	[0.07 - 2.01]
Breast (174-175)	21	30.34	0.69	[0.43 - 1.06]
Cervix uteri (180)	11	9.64	1.14	[0.57 - 2.04]
Ovary (183)	10	6.89	1.45	[0.70 - 2.67]
Uterus (179,181-182)	3	7.4	0.41	[0.08 - 1.18]
Other female genital organs (184)	0	0.72	0.00	[0.00 - 5.16]
Prostate (185)	0	-	-	-
Testis (186)	0	-	-	-
Bladder (188)	4	2.6	1.54	[0.42 - 3.94]
Kidney (189)	1	2.82	0.36	[0.01 - 1.98]
Brain (191-192)	0	2.66	0.00	[0.00 - 1.38]
Thyroid (193)	0	1.14	0.00	[0.00 - 3.24]
Non-Hodgkins lymphoma (200,202)	0	2.38	0.00	[0.00 - 1.55]
Hodgkins disease (201)	1	0.64	1.57	[0.04 - 8.74]
Leukemia (204-208)	3	2.13	1.41	[0.29 - 4.11]
Other malignant neoplasms	5	22.74	0.22	[0.07 - 0.51]
Non malignant sites	15			

Table 4.5.15
Incidence from selected cancer sites

TOTAL COHORT

Ever highly exposed to OILD (oils and synthetic fluids, dermal)

Cancer sites (ICD 9th.revision)	Observed	Expected	SIR	95% Conf.Interval
ALL MALIGNANT NEOPLASMS (140-208)	1054	1162.6	0.91	[0.85 - 0.96]
Buccal Pharynx (140-149)	33	36.89	0.89	[0.62 - 1.26]
Oesophagus (150)	10	14.98	0.67	[0.32 - 1.23]
Stomach (151)	78	82.16	0.95	[0.75 - 1.18]
Small intestine (152)	4	3.77	1.06	[0.29 - 2.72]
Large intestine and rectum(153-154)	146	137.6	1.06	[0.90 - 1.25]
Liver (155)	7	11.65	0.60	[0.24 - 1.24]
Pancreas (157)	22	37.79	0.58	[0.36 - 0.88]
Larynx (161)	17	17.61	0.97	[0.56 - 1.55]
Lung (162)	202	188.74	1.07	[0.93 - 1.23]
Bone (170)	1	3.78	0.26	[0.01 - 1.47]
Melanoma of skin (172)	39	44.69	0.87	[0.62 - 1.19]
Breast (174-175)	14	14.26	0.98	[0.54 - 1.65]
Cervix uteri (180)	1	2.84	0.35	[0.01 - 1.96]
Ovary (183)	2	2.9	0.69	[0.08 - 2.49]
Uterus (179,181-182)	1	3.15	0.32	[0.01 - 1.77]
Other female genital organs (184)	1	0.33	3.03	[0.08 - 16.9]
Prostate (185)	116	144.19	0.80	[0.66 - 0.96]
Testis (186)	18	21.89	0.82	[0.49 - 1.30]
Bladder (188)	79	67.88	1.16	[0.92 - 1.45]
Kidney (189)	37	40.4	0.92	[0.64 - 1.26]
Brain (191-192)	35	33.4	1.05	[0.73 - 1.46]
Thyroid (193)	4	7.38	0.54	[0.15 - 1.39]
Non-Hodgkins lymphoma (200,202)	23	33.31	0.69	[0.44 - 1.04]
Hodgkins disease (201)	8	11.31	0.71	[0.31 - 1.39]
Leukemia (204-208)	18	28.44	0.63	[0.38 - 1.00]
Other malignant neoplasms	138	172.91	0.80	[0.67 - 0.94]
Non malignant sites	36			

Table 4.5.16
Incidence from selected cancer sites

TOTAL COHORT

Ever highly exposed to OILD (oils and synthetic fluids, dermal)

Men

Cancer sites (ICD 9th.revision)	Observed	Expected	SIR	95% Conf.Interval
ALL MALIGNANT NEOPLASMS (140-208)	1006	1108.87	0.91	[0.85 - 0.97]
Buccal Pharynx (140-149)	33	36.18	0.91	[0.63 - 1.28]
Oesophagus (150)	10	14.51	0.69	[0.33 - 1.27]
Stomach (151)	76	79.43	0.96	[0.75 - 1.20]
Small intestine (152)	4	3.62	1.10	[0.30 - 2.83]
Large intestine and rectum(153-154)	139	132.16	1.05	[0.88 - 1.24]
Liver (155)	7	11.19	0.63	[0.25 - 1.29]
Pancreas (157)	20	36.18	0.55	[0.34 - 0.85]
Larynx (161)	17	17.51	0.97	[0.57 - 1.55]
Lung (162)	197	186.57	1.06	[0.91 - 1.21]
Bone (170)	1	3.66	0.27	[0.01 - 1.52]
Melanoma of skin (172)	38	42.74	0.89	[0.63 - 1.22]
Breast (174-175)	0	1.65	0.00	[0.00 - 2.23]
Cervix uteri (180)	0	-	-	-
Ovary (183)	0	-	-	-
Uterus (179,181-182)	0	-	-	-
Other female genital organs (184)	0	-	-	-
Prostate (185)	116	144.19	0.80	[0.66 - 0.96]
Testis (186)	18	21.89	0.82	[0.49 - 1.30]
Bladder (188)	78	67.04	1.16	[0.92 - 1.45]
Kidney (189)	37	39.14	0.95	[0.67 - 1.30]
Brain (191-192)	33	32.24	1.02	[0.70 - 1.44]
Thyroid (193)	4	6.52	0.61	[0.17 - 1.57]
Non-Hodgkins lymphoma (200,202)	23	32.08	0.72	[0.45 - 1.08]
Hodgkins disease (201)	8	11.02	0.73	[0.31 - 1.43]
Leukemia (204-208)	16	27.46	0.58	[0.33 - 0.95]
Other malignant neoplasms	131	163.55	0.80	[0.67 - 0.95]
Non malignant sites	35			

TOTAL COHORT

Ever highly exposed to OILD (oils and synthetic fluids, dermal)

Women

Cancer sites (ICD 9th.revision)	Observed	Expected	SIR	95% Conf.Interval
ALL MALIGNANT NEOPLASMS (140-208)	48	53.73	0.89	[0.66 - 1.18]
Buccal Pharynx (140-149)	0	0.71	0.00	[0.00 - 5.19]
Oesophagus (150)	0	0.47	0.00	[0.00 - 7.93]
Stomach (151)	2	2.73	0.73	[0.09 - 2.64]
Small intestine (152)	0	0.15	0.00	[0.00 - 24.5]
Large intestine and rectum(153-154)	7	5.43	1.29	[0.52 - 2.65]
Liver (155)	0	0.45	0.00	[0.00 - 8.11]
Pancreas (157)	2	1.61	1.24	[0.15 - 4.49]
Larynx (161)	0	0.09	0.00	[0.00 - 38.9]
Lung (162)	5	2.17	2.31	[0.75 - 5.38]
Bone (170)	0	0.12	0.00	[0.00 - 30.0]
Melanoma of skin (172)	1	1.95	0.51	[0.01 - 2.85]
Breast (174-175)	14	12.61	1.11	[0.61 - 1.86]
Cervix uteri (180)	1	2.84	0.35	[0.01 - 1.96]
Ovary (183)	2	2.9	0.69	[0.08 - 2.49]
Uterus (179,181-182)	1	3.15	0.32	[0.01 - 1.77]
Other female genital organs (184)	1	0.33	3.03	[0.08 - 16.9]
Prostate (185)	0	-	-	-
Testis (186)	0	-	-	-
Bladder (188)	1	0.84	1.19	[0.03 - 6.61]
Kidney (189)	0	1.26	0.00	[0.00 - 2.94]
Brain (191-192)	2	1.16	1.73	[0.21 - 6.24]
Thyroid (193)	0	0.86	0.00	[0.00 - 4.27]
Non-Hodgkins lymphoma (200,202)	0	1.24	0.00	[0.00 - 2.98]
Hodgkins disease (201)	0	0.3	0.00	[0.00 - 12.4]
Leukemia (204-208)	2	0.98	2.04	[0.25 - 7.39]
Other malignant neoplasms	7	9.37	0.75	[0.30 - 1.54]
Non malignant sites	1			

Table 4.5.17
Incidence from selected cancer sites

TOTAL COHORT

Ever highly exposed to OILI (oils and synthetic fluids, inhalatory)

Cancer sites (ICD 9th.revision)	Observed	Expected	SIR	95% Conf.Interval
ALL MALIGNANT NEOPLASMS (140-208)	68	73.08	0.93	[0.72 - 1.18]
Buccal Pharynx (140-149)	0	2.83	0.00	[0.00 - 1.30]
Oesophagus (150)	3	1.27	2.35	[0.49 - 6.88]
Stomach (151)	4	2.65	1.51	[0.41 - 3.87]
Small intestine (152)	0	0.2	0.00	[0.00 - 18.4]
Large intestine and rectum(153-154)	13	12.8	1.02	[0.54 - 1.74]
Liver (155)	3	0.68	4.39	[0.91 - 12.8]
Pancreas (157)	1	1.72	0.58	[0.01 - 3.24]
Larynx (161)	1	1.11	0.90	[0.02 - 5.03]
Lung (162)	17	12.19	1.40	[0.81 - 2.23]
Bone (170)	0	0.34	0.00	[0.00 - 10.9]
Melanoma of skin (172)	2	7.44	0.27	[0.03 - 0.97]
Breast (174-175)	5	1.43	3.50	[1.14 - 8.16]
Cervix uteri (180)	0	0.32	0.00	[0.00 - 11.6]
Ovary (183)	0	0.21	0.00	[0.00 - 17.9]
Uterus (179,181-182)	0	0.17	0.00	[0.00 - 21.8]
Other female genital organs (184)	0	0.04	0.00	[0.00 - 0104]
Prostate (185)	4	5.62	0.71	[0.19 - 1.82]
Testis (186)	1	2.41	0.42	[0.01 - 2.32]
Bladder (188)	3	3.01	1.00	[0.21 - 2.92]
Kidney (189)	1	1.96	0.51	[0.01 - 2.85]
Brain (191-192)	1	2.13	0.47	[0.01 - 2.61]
Thyroid (193)	0	0.46	0.00	[0.00 - 7.96]
Non-Hodgkins lymphoma (200,202)	1	2.5	0.40	[0.01 - 2.23]
Hodgkins disease (201)	0	0.77	0.00	[0.00 - 4.81]
Leukemia (204-208)	1	1.96	0.51	[0.01 - 2.84]
Other malignant neoplasms	7	7.01	1.00	[0.40 - 2.06]
Non malignant sites	1			

Table 4.5.18
Incidence from selected cancer sites

TOTAL COHORT

Ever highly exposed to OILI (oils and synthetic fluids, inhalatory)

Men

Cancer sites (ICD 9th.revision)	Observed	Expected	SIR	95% Conf.Interval
ALL MALIGNANT NEOPLASMS (140-208)	63	68.48	0.92	[0.71 - 1.18]
Buccal Pharynx (140-149)	0	2.77	0.00	[0.00 - 1.33]
Oesophagus (150)	3	1.25	2.40	[0.50 - 7.02]
Stomach (151)	4	2.59	1.55	[0.42 - 3.96]
Small intestine (152)	0	0.19	0.00	[0.00 - 19.3]
Large intestine and rectum(153-154)	13	12.21	1.06	[0.57 - 1.82]
Liver (155)	3	0.67	4.51	[0.93 - 13.2]
Pancreas (157)	1	1.67	0.60	[0.01 - 3.34]
Larynx (161)	1	1.1	0.91	[0.02 - 5.08]
Lung (162)	17	11.94	1.42	[0.83 - 2.28]
Bone (170)	0	0.32	0.00	[0.00 - 11.6]
Melanoma of skin (172)	2	6.77	0.30	[0.04 - 1.07]
Breast (174-175)	0	0.14	0.00	[0.00 - 27.2]
Cervix uteri (180)	0	-	-	-
Ovary (183)	0	-	-	-
Uterus (179,181-182)	0	-	-	-
Other female genital organs (184)	0	-	-	-
Prostate (185)	4	5.62	0.71	[0.19 - 1.82]
Testis (186)	1	2.41	0.42	[0.01 - 2.32]
Bladder (188)	3	2.96	1.01	[0.21 - 2.96]
Kidney (189)	1	1.9	0.53	[0.01 - 2.93]
Brain (191-192)	1	2.04	0.49	[0.01 - 2.73]
Thyroid (193)	0	0.37	0.00	[0.00 - 9.85]
Non-Hodgkins lymphoma (200,202)	1	2.39	0.42	[0.01 - 2.33]
Hodgkins disease (201)	0	0.72	0.00	[0.00 - 5.15]
Leukemia (204-208)	1	1.87	0.53	[0.01 - 2.98]
Other malignant neoplasms	7	6.73	1.04	[0.42 - 2.14]
Non malignant sites	1			

TOTAL COHORT

Ever highly exposed to OILI (oils and synthetic fluids, inhalatory)

Women

Cancer sites (ICD 9th.revision)	Observed	Expected	SIR	95% Conf.Interval
ALL MALIGNANT NEOPLASMS (140-208)	5	4.6	1.09	[0.35 - 2.53]
Buccal Pharynx (140-149)	0	0.06	0.00	[0.00 - 60.7]
Oesophagus (150)	0	0.03	0.00	[0.00 - 0145]
Stomach (151)	0	0.06	0.00	[0.00 - 60.6]
Small intestine (152)	0	0.01	0.00	[0.00 - 0404]
Large intestine and rectum(153-154)	0	0.59	0.00	[0.00 - 6.26]
Liver (155)	0	0.02	0.00	[0.00 - 0210]
Pancreas (157)	0	0.05	0.00	[0.00 - 67.7]
Larynx (161)	0	0.01	0.00	[0.00 - 0405]
Lung (162)	0	0.24	0.00	[0.00 - 15.2]
Bone (170)	0	0.02	0.00	[0.00 - 0180]
Melanoma of skin (172)	0	0.67	0.00	[0.00 - 5.50]
Breast (174-175)	5	1.29	3.86	[1.25 - 9.02]
Cervix uteri (180)	0	0.32	0.00	[0.00 - 11.6]
Ovary (183)	0	0.21	0.00	[0.00 - 17.9]
Uterus (179,181-182)	0	0.17	0.00	[0.00 - 21.8]
Other female genital organs (184)	0	0.04	0.00	[0.00 - 0104]
Prostate (185)	0	-	-	-
Testis (186)	0	-	-	-
Bladder (188)	0	0.05	0.00	[0.00 - 79.4]
Kidney (189)	0	0.06	0.00	[0.00 - 66.4]
Brain (191-192)	0	0.1	0.00	[0.00 - 38.7]
Thyroid (193)	0	0.09	0.00	[0.00 - 41.4]
Non-Hodgkins lymphoma (200,202)	0	0.1	0.00	[0.00 - 35.3]
Hodgkins disease (201)	0	0.05	0.00	[0.00 - 71.9]
Leukemia (204-208)	0	0.09	0.00	[0.00 - 41.1]
Other malignant neoplasms	0	0.29	0.00	[0.00 - 12.8]
Non malignant sites	0			

Table 4.5.19
Incidence from selected cancer sites

TOTAL COHORT

Ever highly exposed to PUPA (pulp or paper dust)

Cancer sites (ICD 9th.revision)	Observed	Expected	SIR	95% Conf.Interval
ALL MALIGNANT NEOPLASMS (140-208)	2709	2956.64	0.92	[0.88 - 0.95]
Buccal Pharynx (140-149)	88	81.64	1.08	[0.86 - 1.33]
Oesophagus (150)	29	33.06	0.88	[0.59 - 1.26]
Stomach (151)	185	189.76	0.97	[0.84 - 1.13]
Small intestine (152)	8	9.2	0.87	[0.38 - 1.71]
Large intestine and rectum(153-154)	316	342.05	0.92	[0.82 - 1.03]
Liver (155)	17	27.4	0.62	[0.36 - 0.99]
Pancreas (157)	90	92.98	0.97	[0.78 - 1.19]
Larynx (161)	40	38.28	1.04	[0.75 - 1.42]
Lung (162)	455	412.45	1.10	[1.00 - 1.21]
Bone (170)	3	8.16	0.37	[0.08 - 1.07]
Melanoma of skin (172)	95	101.61	0.93	[0.76 - 1.14]
Breast (174-175)	148	153.99	0.96	[0.81 - 1.13]
Cervix uteri (180)	50	42.08	1.19	[0.88 - 1.57]
Ovary (183)	44	36.16	1.22	[0.88 - 1.63]
Uterus (179,181-182)	24	35.89	0.67	[0.43 - 1.00]
Other female genital organs (184)	8	3.41	2.35	[1.01 - 4.63]
Prostate (185)	259	312.74	0.83	[0.73 - 0.94]
Testis (186)	28	46.69	0.60	[0.40 - 0.87]
Bladder (188)	158	165.1	0.96	[0.81 - 1.12]
Kidney (189)	82	97.82	0.84	[0.67 - 1.04]
Brain (191-192)	74	83.35	0.89	[0.70 - 1.11]
Thyroid (193)	7	22.29	0.31	[0.13 - 0.65]
Non-Hodgkins lymphoma (200,202)	66	79.51	0.83	[0.64 - 1.06]
Hodgkins disease (201)	26	26.24	0.99	[0.65 - 1.45]
Leukemia (204-208)	47	68.53	0.69	[0.50 - 0.91]
Other malignant neoplasms	362	449.76	0.80	[0.72 - 0.89]
Non malignant sites	114			

Table 4.5.20
Incidence from selected cancer sites

TOTAL COHORT

Ever highly exposed to PUPA (pulp or paper dust)

Men

Cancer sites (ICD 9th.revision)	Observed	Expected	SIR	95% Conf.Interval
ALL MALIGNANT NEOPLASMS (140-208)	2135	2356.01	0.91	[0.87 - 0.95]
Buccal Pharynx (140-149)	79	74.71	1.06	[0.84 - 1.32]
Oesophagus (150)	22	29.64	0.74	[0.47 - 1.12]
Stomach (151)	159	165.81	0.96	[0.82 - 1.12]
Small intestine (152)	7	7.6	0.92	[0.37 - 1.90]
Large intestine and rectum(153-154)	264	279.63	0.94	[0.83 - 1.07]
Liver (155)	12	23.41	0.51	[0.26 - 0.90]
Pancreas (157)	75	77.63	0.97	[0.76 - 1.21]
Larynx (161)	37	37	1.00	[0.70 - 1.38]
Lung (162)	413	383.77	1.08	[0.97 - 1.19]
Bone (170)	2	7.03	0.28	[0.03 - 1.03]
Melanoma of skin (172)	81	80.27	1.01	[0.80 - 1.25]
Breast (174-175)	3	3.52	0.85	[0.18 - 2.49]
Cervix uteri (180)	0	-	-	-
Ovary (183)	0	-	-	-
Uterus (179,181-182)	0	-	-	-
Other female genital organs (184)	0	-	-	-
Prostate (185)	259	312.74	0.83	[0.73 - 0.94]
Testis (186)	28	46.69	0.60	[0.40 - 0.87]
Bladder (188)	146	154.1	0.95	[0.80 - 1.11]
Kidney (189)	72	84.49	0.85	[0.67 - 1.07]
Brain (191-192)	61	68.78	0.89	[0.68 - 1.14]
Thyroid (193)	7	13.42	0.52	[0.21 - 1.07]
Non-Hodgkins lymphoma (200,202)	58	66.77	0.87	[0.66 - 1.12]
Hodgkins disease (201)	23	22.88	1.01	[0.64 - 1.51]
Leukemia (204-208)	39	58.26	0.67	[0.48 - 0.92]
Other malignant neoplasms	288	361.39	0.80	[0.71 - 0.89]
Non malignant sites	81			

TOTAL COHORT

Ever highly exposed to PUPA (pulp or paper dust)

Women

Cancer sites (ICD 9th.revision)	Observed	Expected	SIR	95% Conf.Interval
ALL MALIGNANT NEOPLASMS (140-208)	574	600.63	0.96	[0.88 - 1.04]
Buccal Pharynx (140-149)	9	6.93	1.30	[0.59 - 2.46]
Oesophagus (150)	7	3.43	2.04	[0.82 - 4.21]
Stomach (151)	26	23.95	1.09	[0.71 - 1.59]
Small intestine (152)	1	1.6	0.62	[0.02 - 3.48]
Large intestine and rectum(153-154)	52	62.42	0.83	[0.62 - 1.09]
Liver (155)	5	3.99	1.25	[0.41 - 2.93]
Pancreas (157)	15	15.35	0.98	[0.55 - 1.61]
Larynx (161)	3	1.28	2.35	[0.48 - 6.87]
Lung (162)	42	28.69	1.46	[1.06 - 1.98]
Bone (170)	1	1.12	0.89	[0.02 - 4.96]
Melanoma of skin (172)	14	21.35	0.66	[0.36 - 1.10]
Breast (174-175)	145	150.47	0.96	[0.81 - 1.13]
Cervix uteri (180)	50	42.08	1.19	[0.88 - 1.57]
Ovary (183)	44	36.16	1.22	[0.88 - 1.63]
Uterus (179,181-182)	24	35.89	0.67	[0.43 - 1.00]
Other female genital organs (184)	8	3.41	2.35	[1.01 - 4.63]
Prostate (185)	0	-	-	-
Testis (186)	0	-	-	-
Bladder (188)	12	11.01	1.09	[0.56 - 1.90]
Kidney (189)	10	13.33	0.75	[0.36 - 1.38]
Brain (191-192)	13	14.57	0.89	[0.48 - 1.53]
Thyroid (193)	0	8.87	0.00	[0.00 - 0.42]
Non-Hodgkins lymphoma (200,202)	8	12.74	0.63	[0.27 - 1.24]
Hodgkins disease (201)	3	3.36	0.89	[0.18 - 2.61]
Leukemia (204-208)	8	10.27	0.78	[0.34 - 1.54]
Other malignant neoplasms	74	88.37	0.84	[0.66 - 1.05]
Non malignant sites	33			

Table 4.5.21
Incidence from selected cancer sites

TOTAL COHORT

Ever highly exposed to SO₂ (sulfure dioxide)

Cancer sites (ICD 9th.revision)	Observed	Expected	SIR	95% Conf.Interval
ALL MALIGNANT NEOPLASMS (140-208)	246	245.6	1.00	[0.88 - 1.13]
Buccal Pharynx (140-149)	8	7.49	1.07	[0.46 - 2.10]
Oesophagus (150)	3	3.12	0.96	[0.20 - 2.81]
Stomach (151)	19	18.91	1.00	[0.60 - 1.57]
Small intestine (152)	2	0.72	2.77	[0.34 - 10.0]
Large intestine and rectum(153-154)	27	30.46	0.89	[0.58 - 1.29]
Liver (155)	2	2.27	0.88	[0.11 - 3.18]
Pancreas (157)	10	8.6	1.16	[0.56 - 2.14]
Larynx (161)	5	3.49	1.43	[0.47 - 3.35]
Lung (162)	52	36.46	1.43	[1.07 - 1.87]
Bone (170)	3	0.5	5.97	[1.23 - 17.5]
Melanoma of skin (172)	9	6.77	1.33	[0.61 - 2.52]
Breast (174-175)	5	2.49	2.01	[0.65 - 4.69]
Cervix uteri (180)	1	0.52	1.92	[0.05 - 10.7]
Ovary (183)	0	0.53	0.00	[0.00 - 6.96]
Uterus (179,181-182)	0	0.6	0.00	[0.00 - 6.16]
Other female genital organs (184)	1	0.06	16.00	[0.40 - 89.4]
Prostate (185)	27	38.76	0.70	[0.46 - 1.01]
Testis (186)	1	2.91	0.34	[0.01 - 1.91]
Bladder (188)	12	16.14	0.74	[0.38 - 1.30]
Kidney (189)	10	8.5	1.18	[0.56 - 2.16]
Brain (191-192)	5	6.05	0.83	[0.27 - 1.93]
Thyroid (193)	0	1.32	0.00	[0.00 - 2.80]
Non-Hodgkins lymphoma (200,202)	9	6.3	1.43	[0.65 - 2.71]
Hodgkins disease (201)	3	1.74	1.72	[0.36 - 5.04]
Leukemia (204-208)	9	5.8	1.55	[0.71 - 2.95]
Other malignant neoplasms	23	35.42	0.65	[0.41 - 0.97]
Non malignant sites	8			

Table 4.5.22
Incidence from selected cancer sites

TOTAL COHORT

Ever highly exposed to SO₂ (sulfure dioxide)

Men

Cancer sites (ICD 9th.revision)	Observed	Expected	SIR	95% Conf.Interval
ALL MALIGNANT NEOPLASMS (140-208)	237	235.92	1.00	[0.88 - 1.14]
Buccal Pharynx (140-149)	8	7.37	1.09	[0.47 - 2.14]
Oesophagus (150)	3	3.03	0.99	[0.20 - 2.89]
Stomach (151)	18	18.44	0.98	[0.58 - 1.54]
Small intestine (152)	2	0.7	2.88	[0.35 - 10.4]
Large intestine and rectum(153-154)	27	29.58	0.91	[0.60 - 1.33]
Liver (155)	2	2.18	0.92	[0.11 - 3.32]
Pancreas (157)	9	8.3	1.08	[0.50 - 2.06]
Larynx (161)	5	3.47	1.44	[0.47 - 3.36]
Lung (162)	52	36.07	1.44	[1.08 - 1.89]
Bone (170)	3	0.48	6.21	[1.28 - 18.1]
Melanoma of skin (172)	9	6.46	1.39	[0.64 - 2.65]
Breast (174-175)	2	0.35	5.77	[0.70 - 20.9]
Cervix uteri (180)	0	-	-	-
Ovary (183)	0	-	-	-
Uterus (179,181-182)	0	-	-	-
Other female genital organs (184)	0	-	-	-
Prostate (185)	27	38.76	0.70	[0.46 - 1.01]
Testis (186)	1	2.91	0.34	[0.01 - 1.91]
Bladder (188)	12	16	0.75	[0.39 - 1.31]
Kidney (189)	10	8.26	1.21	[0.58 - 2.23]
Brain (191-192)	5	5.84	0.86	[0.28 - 2.00]
Thyroid (193)	0	1.15	0.00	[0.00 - 3.20]
Non-Hodgkins lymphoma (200,202)	9	6.06	1.49	[0.68 - 2.82]
Hodgkins disease (201)	3	1.69	1.77	[0.37 - 5.18]
Leukemia (204-208)	9	5.64	1.60	[0.73 - 3.03]
Other malignant neoplasms	21	33.54	0.63	[0.39 - 0.96]
Non malignant sites	8			

TOTAL COHORT

Ever highly exposed to SO₂ (sulfure dioxide)

Women

Cancer sites (ICD 9th.revision)	Observed	Expected	SIR	95% Conf.Interval
ALL MALIGNANT NEOPLASMS (140-208)	9	9.68	0.93	[0.43 - 1.77]
Buccal Pharynx (140-149)	0	0.13	0.00	[0.00 - 29.5]
Oesophagus (150)	0	0.09	0.00	[0.00 - 42.5]
Stomach (151)	1	0.47	2.13	[0.05 - 11.9]
Small intestine (152)	0	0.03	0.00	[0.00 - 0140]
Large intestine and rectum(153-154)	0	0.89	0.00	[0.00 - 4.16]
Liver (155)	0	0.09	0.00	[0.00 - 39.5]
Pancreas (157)	1	0.3	3.28	[0.08 - 18.3]
Larynx (161)	0	0.02	0.00	[0.00 - 0240]
Lung (162)	0	0.39	0.00	[0.00 - 9.56]
Bone (170)	0	0.02	0.00	[0.00 - 0194]
Melanoma of skin (172)	0	0.32	0.00	[0.00 - 11.7]
Breast (174-175)	3	2.14	1.40	[0.29 - 4.09]
Cervix uteri (180)	1	0.52	1.92	[0.05 - 10.7]
Ovary (183)	0	0.53	0.00	[0.00 - 6.96]
Uterus (179,181-182)	0	0.6	0.00	[0.00 - 6.16]
Other female genital organs (184)	1	0.06	16.00	[0.40 - 89.4]
Prostate (185)	0	-	-	-
Testis (186)	0	-	-	-
Bladder (188)	0	0.14	0.00	[0.00 - 26.3]
Kidney (189)	0	0.24	0.00	[0.00 - 15.3]
Brain (191-192)	0	0.21	0.00	[0.00 - 17.4]
Thyroid (193)	0	0.17	0.00	[0.00 - 22.1]
Non-Hodgkins lymphoma (200,202)	0	0.24	0.00	[0.00 - 15.2]
Hodgkins disease (201)	0	0.05	0.00	[0.00 - 76.4]
Leukemia (204-208)	0	0.16	0.00	[0.00 - 23.0]
Other malignant neoplasms	2	1.89	1.06	[0.13 - 3.83]
Non malignant sites	0			

Table 4.5.23
Incidence from selected cancer sites

TOTAL COHORT

Ever highly exposed to SOLD (nonchlorinated organic solvHLt, dermal)

Cancer sites (ICD 9th.revision)	Observed	Expected	SIR	95% Conf.Interval
ALL MALIGNANT NEOPLASMS (140-208)	1301	1413.23	0.92	[0.87 - 0.97]
Buccal Pharynx (140-149)	42	44.82	0.94	[0.68 - 1.27]
Oesophagus (150)	12	17.88	0.67	[0.35 - 1.17]
Stomach (151)	98	100.63	0.97	[0.79 - 1.19]
Small intestine (152)	6	4.58	1.31	[0.48 - 2.85]
Large intestine and rectum(153-154)	173	170.74	1.01	[0.87 - 1.18]
Liver (155)	9	13.43	0.67	[0.31 - 1.27]
Pancreas (157)	33	46.32	0.71	[0.49 - 1.00]
Larynx (161)	19	21	0.90	[0.54 - 1.41]
Lung (162)	243	221.96	1.09	[0.96 - 1.24]
Bone (170)	1	4.47	0.22	[0.01 - 1.25]
Melanoma of skin (172)	49	55.2	0.89	[0.66 - 1.17]
Breast (174-175)	17	16.93	1.00	[0.59 - 1.61]
Cervix uteri (180)	1	3.44	0.29	[0.01 - 1.62]
Ovary (183)	3	3.44	0.87	[0.18 - 2.55]
Uterus (179,181-182)	1	3.57	0.28	[0.01 - 1.56]
Other female genital organs (184)	1	0.37	2.67	[0.07 - 14.9]
Prostate (185)	149	183.14	0.81	[0.69 - 0.96]
Testis (186)	20	27.27	0.73	[0.45 - 1.13]
Bladder (188)	97	84.14	1.15	[0.93 - 1.41]
Kidney (189)	44	49.77	0.88	[0.64 - 1.19]
Brain (191-192)	44	41.71	1.05	[0.77 - 1.42]
Thyroid (193)	5	9.29	0.54	[0.17 - 1.26]
Non-Hodgkins lymphoma (200,202)	31	40.96	0.76	[0.51 - 1.07]
Hodgkins disease (201)	11	13.85	0.79	[0.40 - 1.42]
Leukemia (204-208)	24	34.44	0.70	[0.45 - 1.04]
Other malignant neoplasms	168	201.9	0.83	[0.71 - 0.97]
Non malignant sites	36			

Table 4.5.24
Incidence from selected cancer sites

TOTAL COHORT

Ever highly exposed to SOLD (nonchlorinated organic solvHLt, dermal)

Men

Cancer sites (ICD 9th.revision)	Observed	Expected	SIR	95% Conf.Interval
ALL MALIGNANT NEOPLASMS (140-208)	1242	1351.45	0.92	[0.87 - 0.97]
Buccal Pharynx (140-149)	42	44.02	0.95	[0.69 - 1.29]
Oesophagus (150)	12	17.39	0.69	[0.36 - 1.21]
Stomach (151)	96	97.59	0.98	[0.80 - 1.20]
Small intestine (152)	6	4.41	1.36	[0.50 - 2.96]
Large intestine and rectum(153-154)	165	164.53	1.00	[0.86 - 1.17]
Liver (155)	8	12.94	0.62	[0.27 - 1.22]
Pancreas (157)	30	44.55	0.67	[0.45 - 0.96]
Larynx (161)	19	20.9	0.91	[0.55 - 1.42]
Lung (162)	237	219.53	1.08	[0.95 - 1.23]
Bone (170)	1	4.33	0.23	[0.01 - 1.29]
Melanoma of skin (172)	48	52.78	0.91	[0.67 - 1.21]
Breast (174-175)	0	2.02	0.00	[0.00 - 1.82]
Cervix uteri (180)	0	-	-	-
Ovary (183)	0	-	-	-
Uterus (179,181-182)	0	-	-	-
Other female genital organs (184)	0	-	-	-
Prostate (185)	149	183.14	0.81	[0.69 - 0.96]
Testis (186)	20	27.27	0.73	[0.45 - 1.13]
Bladder (188)	95	83.19	1.14	[0.92 - 1.40]
Kidney (189)	43	48.37	0.89	[0.64 - 1.20]
Brain (191-192)	42	40.3	1.04	[0.75 - 1.41]
Thyroid (193)	5	8.18	0.61	[0.20 - 1.43]
Non-Hodgkins lymphoma (200,202)	31	39.52	0.78	[0.53 - 1.11]
Hodgkins disease (201)	11	13.48	0.82	[0.41 - 1.46]
Leukemia (204-208)	22	33.32	0.66	[0.41 - 1.00]
Other malignant neoplasms	160	191.72	0.83	[0.71 - 0.97]
Non malignant sites	35			

TOTAL COHORT

Ever highly exposed to SOLD (nonchlorinated organic solvHLt, dermal)

Women

Cancer sites (ICD 9th.revision)	Observed	Expected	SIR	95% Conf.Interval
ALL MALIGNANT NEOPLASMS (140-208)	59	61.78	0.95	[0.73 - 1.23]
Buccal Pharynx (140-149)	0	0.8	0.00	[0.00 - 4.64]
Oesophagus (150)	0	0.49	0.00	[0.00 - 7.54]
Stomach (151)	2	3.04	0.66	[0.08 - 2.38]
Small intestine (152)	0	0.17	0.00	[0.00 - 21.3]
Large intestine and rectum(153-154)	8	6.22	1.29	[0.56 - 2.54]
Liver (155)	1	0.49	2.05	[0.05 - 11.4]
Pancreas (157)	3	1.77	1.70	[0.35 - 4.96]
Larynx (161)	0	0.1	0.00	[0.00 - 35.6]
Lung (162)	6	2.44	2.46	[0.90 - 5.36]
Bone (170)	0	0.14	0.00	[0.00 - 25.7]
Melanoma of skin (172)	1	2.41	0.41	[0.01 - 2.31]
Breast (174-175)	17	14.91	1.14	[0.66 - 1.83]
Cervix uteri (180)	1	3.44	0.29	[0.01 - 1.62]
Ovary (183)	3	3.44	0.87	[0.18 - 2.55]
Uterus (179,181-182)	1	3.57	0.28	[0.01 - 1.56]
Other female genital organs (184)	1	0.37	2.67	[0.07 - 14.9]
Prostate (185)	0	-	-	-
Testis (186)	0	-	-	-
Bladder (188)	2	0.96	2.09	[0.25 - 7.54]
Kidney (189)	1	1.4	0.71	[0.02 - 3.97]
Brain (191-192)	2	1.41	1.42	[0.17 - 5.12]
Thyroid (193)	0	1.11	0.00	[0.00 - 3.33]
Non-Hodgkins lymphoma (200,202)	0	1.44	0.00	[0.00 - 2.57]
Hodgkins disease (201)	0	0.37	0.00	[0.00 - 9.91]
Leukemia (204-208)	2	1.12	1.79	[0.22 - 6.47]
Other malignant neoplasms	8	10.18	0.79	[0.34 - 1.55]
Non malignant sites	1			

Table 4.5.25
Incidence from selected cancer sites

TOTAL COHORT

Ever highly exposed to SOLI (nonchlorinated organic solvHLt, inhalatory)

Cancer sites (ICD 9th.revision)	Observed	Expected	SIR	95% Conf.Interval
ALL MALIGNANT NEOPLASMS (140-208)	1503	1614.12	0.93	[0.88 - 0.98]
Buccal Pharynx (140-149)	49	50.93	0.96	[0.71 - 1.27]
Oesophagus (150)	13	20.29	0.64	[0.34 - 1.10]
Stomach (151)	108	115.59	0.93	[0.77 - 1.13]
Small intestine (152)	7	5.16	1.36	[0.54 - 2.79]
Large intestine and rectum(153-154)	213	195.99	1.09	[0.95 - 1.24]
Liver (155)	11	15.04	0.73	[0.37 - 1.31]
Pancreas (157)	38	53.23	0.71	[0.51 - 0.98]
Larynx (161)	20	23.8	0.84	[0.51 - 1.30]
Lung (162)	272	250.03	1.09	[0.96 - 1.23]
Bone (170)	1	4.92	0.20	[0.01 - 1.13]
Melanoma of skin (172)	56	61.29	0.91	[0.69 - 1.19]
Breast (174-175)	19	20.29	0.94	[0.56 - 1.46]
Cervix uteri (180)	1	4.11	0.24	[0.01 - 1.36]
Ovary (183)	4	4.07	0.98	[0.27 - 2.52]
Uterus (179,181-182)	1	4.19	0.24	[0.01 - 1.33]
Other female genital organs (184)	1	0.44	2.29	[0.06 - 12.8]
Prostate (185)	174	214.04	0.81	[0.70 - 0.94]
Testis (186)	22	30.35	0.72	[0.45 - 1.10]
Bladder (188)	109	97.39	1.12	[0.92 - 1.35]
Kidney (189)	48	56.83	0.84	[0.62 - 1.12]
Brain (191-192)	50	47.17	1.06	[0.79 - 1.40]
Thyroid (193)	5	10.53	0.47	[0.15 - 1.11]
Non-Hodgkins lymphoma (200,202)	38	46.39	0.82	[0.58 - 1.12]
Hodgkins disease (201)	15	15.51	0.97	[0.54 - 1.60]
Leukemia (204-208)	29	39.1	0.74	[0.50 - 1.07]
Other malignant neoplasms	199	229.76	0.87	[0.75 - 1.00]
Non malignant sites	40			

Table 4.5.26
Incidence from selected cancer sites

TOTAL COHORT

Ever highly exposed to SOLI (nonchlorinated organic solvHLt, inhalatory)

Men

Cancer sites (ICD 9th.revision)	Observed	Expected	SIR	95% Conf.Interval
ALL MALIGNANT NEOPLASMS (140-208)	1437	1541.5	0.93	[0.88 - 0.98]
Buccal Pharynx (140-149)	49	50.02	0.98	[0.72 - 1.30]
Oesophagus (150)	13	19.75	0.66	[0.35 - 1.13]
Stomach (151)	105	112.2	0.94	[0.77 - 1.13]
Small intestine (152)	7	4.96	1.41	[0.57 - 2.91]
Large intestine and rectum(153-154)	205	188.9	1.09	[0.94 - 1.24]
Liver (155)	10	14.49	0.69	[0.33 - 1.27]
Pancreas (157)	35	51.23	0.68	[0.48 - 0.95]
Larynx (161)	20	23.68	0.84	[0.52 - 1.30]
Lung (162)	266	247.12	1.08	[0.95 - 1.21]
Bone (170)	1	4.75	0.21	[0.01 - 1.17]
Melanoma of skin (172)	54	58.41	0.92	[0.69 - 1.21]
Breast (174-175)	0	2.31	0.00	[0.00 - 1.60]
Cervix uteri (180)	0	-	-	-
Ovary (183)	0	-	-	-
Uterus (179,181-182)	0	-	-	-
Other female genital organs (184)	0	-	-	-
Prostate (185)	174	214.04	0.81	[0.70 - 0.94]
Testis (186)	22	30.35	0.72	[0.45 - 1.10]
Bladder (188)	106	96.28	1.10	[0.90 - 1.33]
Kidney (189)	47	55.2	0.85	[0.63 - 1.13]
Brain (191-192)	48	45.49	1.06	[0.78 - 1.40]
Thyroid (193)	5	9.19	0.54	[0.18 - 1.27]
Non-Hodgkins lymphoma (200,202)	38	44.69	0.85	[0.60 - 1.17]
Hodgkins disease (201)	15	15.06	1.00	[0.56 - 1.64]
Leukemia (204-208)	26	37.82	0.69	[0.45 - 1.01]
Other malignant neoplasms	191	217.87	0.88	[0.76 - 1.01]
Non malignant sites	38			

TOTAL COHORT

Ever highly exposed to SOLI (nonchlorinated organic solvHLt, inhalatory)

Women

Cancer sites (ICD 9th.revision)	Observed	Expected	SIR	95% Conf.Interval
ALL MALIGNANT NEOPLASMS (140-208)	66	72.62	0.91	[0.70 - 1.16]
Buccal Pharynx (140-149)	0	0.91	0.00	[0.00 - 4.05]
Oesophagus (150)	0	0.54	0.00	[0.00 - 6.84]
Stomach (151)	3	3.39	0.88	[0.18 - 2.58]
Small intestine (152)	0	0.2	0.00	[0.00 - 18.4]
Large intestine and rectum(153-154)	8	7.09	1.13	[0.49 - 2.22]
Liver (155)	1	0.55	1.80	[0.05 - 10.0]
Pancreas (157)	3	1.99	1.51	[0.31 - 4.40]
Larynx (161)	0	0.12	0.00	[0.00 - 29.6]
Lung (162)	6	2.91	2.06	[0.76 - 4.49]
Bone (170)	0	0.17	0.00	[0.00 - 22.0]
Melanoma of skin (172)	2	2.88	0.70	[0.08 - 2.51]
Breast (174-175)	19	17.99	1.06	[0.64 - 1.65]
Cervix uteri (180)	1	4.11	0.24	[0.01 - 1.36]
Ovary (183)	4	4.07	0.98	[0.27 - 2.52]
Uterus (179,181-182)	1	4.19	0.24	[0.01 - 1.33]
Other female genital organs (184)	1	0.44	2.29	[0.06 - 12.8]
Prostate (185)	0	-	-	-
Testis (186)	0	-	-	-
Bladder (188)	3	1.11	2.71	[0.56 - 7.93]
Kidney (189)	1	1.63	0.61	[0.02 - 3.42]
Brain (191-192)	2	1.68	1.19	[0.14 - 4.29]
Thyroid (193)	0	1.34	0.00	[0.00 - 2.75]
Non-Hodgkins lymphoma (200,202)	0	1.69	0.00	[0.00 - 2.18]
Hodgkins disease (201)	0	0.45	0.00	[0.00 - 8.24]
Leukemia (204-208)	3	1.28	2.34	[0.48 - 6.84]
Other malignant neoplasms	8	11.89	0.67	[0.29 - 1.33]
Non malignant sites	2			

Table 4.5.27
Incidence from selected cancer sites

TOTAL COHORT

Ever highly exposed to SULP (reduced sulfure compounds)

Cancer sites (ICD 9th.revision)	Observed	Expected	SIR	95% Conf.Interval
ALL MALIGNANT NEOPLASMS (140-208)	666	824.95	0.81	[0.75 - 0.87]
Buccal Pharynx (140-149)	17	24.84	0.68	[0.40 - 1.10]
Oesophagus (150)	5	10.58	0.47	[0.15 - 1.10]
Stomach (151)	60	66.27	0.91	[0.69 - 1.17]
Small intestine (152)	2	2.69	0.74	[0.09 - 2.69]
Large intestine and rectum(153-154)	85	87.42	0.97	[0.78 - 1.20]
Liver (155)	9	8.96	1.01	[0.46 - 1.91]
Pancreas (157)	24	28.45	0.84	[0.54 - 1.26]
Larynx (161)	15	11.55	1.30	[0.73 - 2.14]
Lung (162)	115	131.38	0.88	[0.72 - 1.05]
Bone (170)	0	2.38	0.00	[0.00 - 1.55]
Melanoma of skin (172)	24	24.17	0.99	[0.64 - 1.48]
Breast (174-175)	11	18.16	0.61	[0.30 - 1.08]
Cervix uteri (180)	6	2.98	2.01	[0.74 - 4.38]
Ovary (183)	2	3.69	0.54	[0.07 - 1.96]
Uterus (179,181-182)	1	4.49	0.22	[0.01 - 1.24]
Other female genital organs (184)	2	0.44	4.52	[0.55 - 16.3]
Prostate (185)	97	114.16	0.85	[0.69 - 1.04]
Testis (186)	11	8.91	1.23	[0.62 - 2.21]
Bladder (188)	30	43.01	0.70	[0.47 - 1.00]
Kidney (189)	15	28.27	0.53	[0.30 - 0.87]
Brain (191-192)	18	20.14	0.89	[0.53 - 1.41]
Thyroid (193)	3	5.67	0.53	[0.11 - 1.55]
Non-Hodgkins lymphoma (200,202)	21	22.26	0.94	[0.58 - 1.44]
Hodgkins disease (201)	4	6.83	0.59	[0.16 - 1.50]
Leukemia (204-208)	11	19.18	0.57	[0.29 - 1.03]
Other malignant neoplasms	78	129.08	0.60	[0.48 - 0.75]
Non malignant sites	5			

Table 4.5.28
Incidence from selected cancer sites

TOTAL COHORT

Ever highly exposed to SULP (reduced sulfure compounds)

Men

Cancer sites (ICD 9th.revision)	Observed	Expected	SIR	95% Conf.Interval
ALL MALIGNANT NEOPLASMS (140-208)	622	750.91	0.83	[0.76 - 0.90]
Buccal Pharynx (140-149)	16	23.85	0.67	[0.38 - 1.09]
Oesophagus (150)	5	9.82	0.51	[0.17 - 1.19]
Stomach (151)	55	62.21	0.88	[0.67 - 1.15]
Small intestine (152)	2	2.48	0.81	[0.10 - 2.91]
Large intestine and rectum(153-154)	80	81.39	0.98	[0.78 - 1.22]
Liver (155)	8	8.17	0.98	[0.42 - 1.93]
Pancreas (157)	23	26.07	0.88	[0.56 - 1.32]
Larynx (161)	15	11.43	1.31	[0.73 - 2.17]
Lung (162)	114	128.82	0.88	[0.73 - 1.06]
Bone (170)	0	2.21	0.00	[0.00 - 1.67]
Melanoma of skin (172)	24	22.44	1.07	[0.69 - 1.59]
Breast (174-175)	0	1.01	0.00	[0.00 - 3.66]
Cervix uteri (180)	0	-	-	-
Ovary (183)	0	-	-	-
Uterus (179,181-182)	0	-	-	-
Other female genital organs (184)	0	-	-	-
Prostate (185)	97	114.16	0.85	[0.69 - 1.04]
Testis (186)	11	8.91	1.23	[0.62 - 2.21]
Bladder (188)	29	42.05	0.69	[0.46 - 0.99]
Kidney (189)	15	26.41	0.57	[0.32 - 0.94]
Brain (191-192)	17	18.66	0.91	[0.53 - 1.46]
Thyroid (193)	3	4.35	0.69	[0.14 - 2.01]
Non-Hodgkins lymphoma (200,202)	21	20.46	1.03	[0.64 - 1.57]
Hodgkins disease (201)	3	6.44	0.47	[0.10 - 1.36]
Leukemia (204-208)	10	17.88	0.56	[0.27 - 1.03]
Other malignant neoplasms	74	112.71	0.66	[0.52 - 0.82]
Non malignant sites	5			

TOTAL COHORT

Ever highly exposed to SULP (reduced sulfure compounds)

Women

Cancer sites (ICD 9th.revision)	Observed	Expected	SIR	95% Conf.Interval
ALL MALIGNANT NEOPLASMS (140-208)	44	74.04	0.59	[0.43 - 0.80]
Buccal Pharynx (140-149)	1	0.99	1.01	[0.03 - 5.62]
Oesophagus (150)	0	0.76	0.00	[0.00 - 4.87]
Stomach (151)	5	4.05	1.23	[0.40 - 2.88]
Small intestine (152)	0	0.21	0.00	[0.00 - 17.8]
Large intestine and rectum(153-154)	5	6.04	0.83	[0.27 - 1.93]
Liver (155)	1	0.79	1.27	[0.03 - 7.06]
Pancreas (157)	1	2.38	0.42	[0.01 - 2.34]
Larynx (161)	0	0.12	0.00	[0.00 - 31.0]
Lung (162)	1	2.56	0.39	[0.01 - 2.17]
Bone (170)	0	0.17	0.00	[0.00 - 21.7]
Melanoma of skin (172)	0	1.72	0.00	[0.00 - 2.14]
Breast (174-175)	11	17.15	0.64	[0.32 - 1.15]
Cervix uteri (180)	6	2.98	2.01	[0.74 - 4.38]
Ovary (183)	2	3.69	0.54	[0.07 - 1.96]
Uterus (179,181-182)	1	4.49	0.22	[0.01 - 1.24]
Other female genital organs (184)	2	0.44	4.52	[0.55 - 16.3]
Prostate (185)	0	-	-	-
Testis (186)	0	-	-	-
Bladder (188)	1	0.96	1.04	[0.03 - 5.79]
Kidney (189)	0	1.86	0.00	[0.00 - 1.98]
Brain (191-192)	1	1.48	0.68	[0.02 - 3.77]
Thyroid (193)	0	1.32	0.00	[0.00 - 2.80]
Non-Hodgkins lymphoma (200,202)	0	1.81	0.00	[0.00 - 2.04]
Hodgkins disease (201)	1	0.38	2.62	[0.07 - 14.6]
Leukemia (204-208)	1	1.3	0.77	[0.02 - 4.29]
Other malignant neoplasms	4	16.37	0.24	[0.07 - 0.63]
Non malignant sites	0			

Table 4.5.29
Incidence from selected cancer sites

TOTAL COHORT
Ever highly exposed to TALC

Cancer sites (ICD 9th.revision)	Observed	Expected	SIR	95% Conf.Interval
ALL MALIGNANT NEOPLASMS (140-208)	172	189.74	0.91	[0.78 - 1.05]
Buccal Pharynx (140-149)	6	4.74	1.27	[0.46 - 2.75]
Oesophagus (150)	2	1.9	1.05	[0.13 - 3.81]
Stomach (151)	15	8.49	1.77	[0.99 - 2.91]
Small intestine (152)	0	0.56	0.00	[0.00 - 6.55]
Large intestine and rectum(153-154)	16	20.89	0.77	[0.44 - 1.24]
Liver (155)	2	1.83	1.10	[0.13 - 3.96]
Pancreas (157)	2	5.31	0.38	[0.05 - 1.36]
Larynx (161)	1	2.51	0.40	[0.01 - 2.22]
Lung (162)	28	26.44	1.06	[0.70 - 1.53]
Bone (170)	1	0.53	1.88	[0.05 - 10.5]
Melanoma of skin (172)	8	6.9	1.16	[0.50 - 2.28]
Breast (174-175)	11	13.8	0.80	[0.40 - 1.43]
Cervix uteri (180)	4	4.19	0.95	[0.26 - 2.44]
Ovary (183)	8	3.16	2.53	[1.09 - 4.99]
Uterus (179,181-182)	2	3.01	0.66	[0.08 - 2.40]
Other female genital organs (184)	0	0.31	0.00	[0.00 - 12.0]
Prostate (185)	17	14.19	1.20	[0.70 - 1.92]
Testis (186)	3	3.03	0.99	[0.20 - 2.89]
Bladder (188)	13	10.99	1.18	[0.63 - 2.02]
Kidney (189)	2	6.11	0.33	[0.04 - 1.18]
Brain (191-192)	5	5.56	0.90	[0.29 - 2.10]
Thyroid (193)	0	1.49	0.00	[0.00 - 2.48]
Non-Hodgkins lymphoma (200,202)	0	5.16	0.00	[0.00 - 0.71]
Hodgkins disease (201)	2	1.8	1.11	[0.13 - 4.01]
Leukemia (204-208)	6	4.38	1.37	[0.50 - 2.98]
Other malignant neoplasms	18	32.68	0.55	[0.33 - 0.87]
Non malignant sites	12			

Table 4.5.30
Incidence from selected cancer sites

TOTAL COHORT
Ever highly exposed to TALC
Men

Cancer sites (ICD 9th.revision)	Observed	Expected	SIR	95% Conf.Interval
ALL MALIGNANT NEOPLASMS (140-208)	118	137.74	0.86	[0.71 - 1.03]
Buccal Pharynx (140-149)	5	4.22	1.18	[0.38 - 2.76]
Oesophagus (150)	0	1.71	0.00	[0.00 - 2.16]
Stomach (151)	13	7.32	1.77	[0.95 - 3.04]
Small intestine (152)	0	0.44	0.00	[0.00 - 8.29]
Large intestine and rectum(153-154)	12	15.7	0.76	[0.39 - 1.33]
Liver (155)	2	1.53	1.31	[0.16 - 4.73]
Pancreas (157)	1	4.23	0.24	[0.01 - 1.32]
Larynx (161)	1	2.36	0.42	[0.01 - 2.36]
Lung (162)	20	23.32	0.86	[0.52 - 1.32]
Bone (170)	1	0.44	2.26	[0.06 - 12.6]
Melanoma of skin (172)	4	4.56	0.88	[0.24 - 2.24]
Breast (174-175)	1	0.21	4.74	[0.12 - 26.4]
Cervix uteri (180)	0	-	-	-
Ovary (183)	0	-	-	-
Uterus (179,181-182)	0	-	-	-
Other female genital organs (184)	0	-	-	-
Prostate (185)	17	14.19	1.20	[0.70 - 1.92]
Testis (186)	3	3.03	0.99	[0.20 - 2.89]
Bladder (188)	12	9.96	1.20	[0.62 - 2.10]
Kidney (189)	2	5.06	0.40	[0.05 - 1.43]
Brain (191-192)	2	4.24	0.47	[0.06 - 1.70]
Thyroid (193)	0	0.76	0.00	[0.00 - 4.87]
Non-Hodgkins lymphoma (200,202)	0	4.1	0.00	[0.00 - 0.90]
Hodgkins disease (201)	2	1.49	1.34	[0.16 - 4.86]
Leukemia (204-208)	5	3.55	1.41	[0.46 - 3.29]
Other malignant neoplasms	15	25.52	0.59	[0.33 - 0.97]
Non malignant sites	6			

TOTAL COHORT
Ever highly exposed to TALC
Women

Cancer sites (ICD 9th.revision)	Observed	Expected	SIR	95% Conf.Interval
ALL MALIGNANT NEOPLASMS (140-208)	54	52	1.04	[0.78 - 1.36]
Buccal Pharynx (140-149)	1	0.52	1.93	[0.05 - 10.7]
Oesophagus (150)	2	0.19	10.80	[1.31 - 39.0]
Stomach (151)	2	1.17	1.71	[0.21 - 6.18]
Small intestine (152)	0	0.12	0.00	[0.00 - 31.3]
Large intestine and rectum(153-154)	4	5.19	0.77	[0.21 - 1.97]
Liver (155)	0	0.3	0.00	[0.00 - 12.3]
Pancreas (157)	1	1.08	0.92	[0.02 - 5.15]
Larynx (161)	0	0.15	0.00	[0.00 - 25.2]
Lung (162)	8	3.12	2.57	[1.11 - 5.06]
Bone (170)	0	0.09	0.00	[0.00 - 41.1]
Melanoma of skin (172)	4	2.34	1.71	[0.47 - 4.38]
Breast (174-175)	10	13.59	0.74	[0.35 - 1.35]
Cervix uteri (180)	4	4.19	0.95	[0.26 - 2.44]
Ovary (183)	8	3.16	2.53	[1.09 - 4.99]
Uterus (179,181-182)	2	3.01	0.66	[0.08 - 2.40]
Other female genital organs (184)	0	0.31	0.00	[0.00 - 12.0]
Prostate (185)	0	-	-	-
Testis (186)	0	-	-	-
Bladder (188)	1	1.03	0.97	[0.02 - 5.42]
Kidney (189)	0	1.05	0.00	[0.00 - 3.51]
Brain (191-192)	3	1.32	2.27	[0.47 - 6.64]
Thyroid (193)	0	0.73	0.00	[0.00 - 5.04]
Non-Hodgkins lymphoma (200,202)	0	1.06	0.00	[0.00 - 3.47]
Hodgkins disease (201)	0	0.31	0.00	[0.00 - 11.8]
Leukemia (204-208)	1	0.83	1.21	[0.03 - 6.73]
Other malignant neoplasms	3	7.16	0.42	[0.09 - 1.23]
Non malignant sites	6			

Table 4.5.31
Incidence from selected cancer sites

TOTAL COHORT

Ever highly exposed to TERP (terpHLes)

Cancer sites (ICD 9th.revision)	Observed	Expected	SIR	95% Conf.Interval
ALL MALIGNANT NEOPLASMS (140-208)	475	542.83	0.88	[0.80 - 0.96]
Buccal Pharynx (140-149)	12	16.34	0.73	[0.38 - 1.28]
Oesophagus (150)	4	6.85	0.58	[0.16 - 1.50]
Stomach (151)	42	43.98	0.96	[0.69 - 1.29]
Small intestine (152)	0	1.78	0.00	[0.00 - 2.07]
Large intestine and rectum(153-154)	68	61.95	1.10	[0.85 - 1.39]
Liver (155)	5	5.51	0.91	[0.29 - 2.12]
Pancreas (157)	21	19.1	1.10	[0.68 - 1.68]
Larynx (161)	10	7.15	1.40	[0.67 - 2.57]
Lung (162)	74	79.07	0.94	[0.73 - 1.17]
Bone (170)	1	1.36	0.73	[0.02 - 4.09]
Melanoma of skin (172)	15	16.11	0.93	[0.52 - 1.54]
Breast (174-175)	6	11.18	0.54	[0.20 - 1.17]
Cervix uteri (180)	4	1.77	2.26	[0.62 - 5.79]
Ovary (183)	1	2.25	0.44	[0.01 - 2.47]
Uterus (179,181-182)	1	2.74	0.37	[0.01 - 2.03]
Other female genital organs (184)	1	0.27	3.75	[0.09 - 20.9]
Prostate (185)	76	83.47	0.91	[0.72 - 1.14]
Testis (186)	6	5.83	1.03	[0.38 - 2.24]
Bladder (188)	20	30.11	0.66	[0.41 - 1.03]
Kidney (189)	11	19.11	0.58	[0.29 - 1.03]
Brain (191-192)	15	13.43	1.12	[0.62 - 1.84]
Thyroid (193)	1	3.64	0.27	[0.01 - 1.53]
Non-Hodgkins lymphoma (200,202)	14	14.7	0.95	[0.52 - 1.60]
Hodgkins disease (201)	2	4.2	0.48	[0.06 - 1.72]
Leukemia (204-208)	10	12.68	0.79	[0.38 - 1.45]
Other malignant neoplasms	55	78.96	0.70	[0.52 - 0.91]
Non malignant sites	3			

Table 4.5.32
Incidence from selected cancer sites

TOTAL COHORT

Ever highly exposed to TERP (terpHLes)

Men

Cancer sites (ICD 9th.revision)	Observed	Expected	SIR	95% Conf.Interval
ALL MALIGNANT NEOPLASMS (140-208)	450	498.28	0.90	[0.82 - 0.99]
Buccal Pharynx (140-149)	11	15.75	0.70	[0.35 - 1.25]
Oesophagus (150)	4	6.42	0.62	[0.17 - 1.60]
Stomach (151)	40	41.64	0.96	[0.69 - 1.31]
Small intestine (152)	0	1.65	0.00	[0.00 - 2.23]
Large intestine and rectum(153-154)	66	58.32	1.13	[0.88 - 1.44]
Liver (155)	4	5.05	0.79	[0.22 - 2.03]
Pancreas (157)	20	17.68	1.13	[0.69 - 1.75]
Larynx (161)	10	7.08	1.41	[0.68 - 2.60]
Lung (162)	74	77.5	0.95	[0.75 - 1.20]
Bone (170)	1	1.26	0.79	[0.02 - 4.41]
Melanoma of skin (172)	15	15.08	0.99	[0.56 - 1.64]
Breast (174-175)	0	0.71	0.00	[0.00 - 5.23]
Cervix uteri (180)	0	-	-	-
Ovary (183)	0	-	-	-
Uterus (179,181-182)	0	-	-	-
Other female genital organs (184)	0	-	-	-
Prostate (185)	76	83.47	0.91	[0.72 - 1.14]
Testis (186)	6	5.83	1.03	[0.38 - 2.24]
Bladder (188)	19	29.53	0.64	[0.39 - 1.00]
Kidney (189)	11	17.97	0.61	[0.31 - 1.10]
Brain (191-192)	14	12.53	1.12	[0.61 - 1.87]
Thyroid (193)	1	2.85	0.35	[0.01 - 1.95]
Non-Hodgkins lymphoma (200,202)	14	13.6	1.03	[0.56 - 1.73]
Hodgkins disease (201)	1	3.97	0.25	[0.01 - 1.40]
Leukemia (204-208)	10	11.91	0.84	[0.40 - 1.54]
Other malignant neoplasms	53	69.2	0.77	[0.57 - 1.00]
Non malignant sites	3			

TOTAL COHORT

Ever highly exposed to TERP (terpHLes)

Women

Cancer sites (ICD 9th.revision)	Observed	Expected	SIR	95% Conf.Interval
ALL MALIGNANT NEOPLASMS (140-208)	25	44.54	0.56	[0.36 - 0.83]
Buccal Pharynx (140-149)	1	0.59	1.71	[0.04 - 9.50]
Oesophagus (150)	0	0.43	0.00	[0.00 - 8.51]
Stomach (151)	2	2.33	0.86	[0.10 - 3.10]
Small intestine (152)	0	0.12	0.00	[0.00 - 29.6]
Large intestine and rectum(153-154)	2	3.63	0.55	[0.07 - 1.99]
Liver (155)	1	0.47	2.13	[0.05 - 11.9]
Pancreas (157)	1	1.42	0.70	[0.02 - 3.93]
Larynx (161)	0	0.07	0.00	[0.00 - 50.8]
Lung (162)	0	1.57	0.00	[0.00 - 2.35]
Bone (170)	0	0.1	0.00	[0.00 - 37.3]
Melanoma of skin (172)	0	1.03	0.00	[0.00 - 3.58]
Breast (174-175)	6	10.48	0.57	[0.21 - 1.25]
Cervix uteri (180)	4	1.77	2.26	[0.62 - 5.79]
Ovary (183)	1	2.25	0.44	[0.01 - 2.47]
Uterus (179,181-182)	1	2.74	0.37	[0.01 - 2.03]
Other female genital organs (184)	1	0.27	3.75	[0.09 - 20.9]
Prostate (185)	0	-	-	-
Testis (186)	0	-	-	-
Bladder (188)	1	0.58	1.72	[0.04 - 9.59]
Kidney (189)	0	1.14	0.00	[0.00 - 3.23]
Brain (191-192)	1	0.9	1.11	[0.03 - 6.17]
Thyroid (193)	0	0.79	0.00	[0.00 - 4.69]
Non-Hodgkins lymphoma (200,202)	0	1.1	0.00	[0.00 - 3.34]
Hodgkins disease (201)	1	0.23	4.44	[0.11 - 24.8]
Leukemia (204-208)	0	0.77	0.00	[0.00 - 4.79]
Other malignant neoplasms	2	9.76	0.20	[0.02 - 0.74]
Non malignant sites	0			

Table 4.5.33
Incidence from selected cancer sites

TOTAL COHORT

Ever highly exposed to TIO2 (titanium dioxide)

Cancer sites (ICD 9th.revision)	Observed	Expected	SIR	95% Conf.Interval
ALL MALIGNANT NEOPLASMS (140-208)	225	238.67	0.94	[0.82 - 1.07]
Buccal Pharynx (140-149)	7	7.34	0.95	[0.38 - 1.96]
Oesophagus (150)	3	2.81	1.07	[0.22 - 3.13]
Stomach (151)	15	14.59	1.03	[0.58 - 1.70]
Small intestine (152)	0	0.74	0.00	[0.00 - 5.01]
Large intestine and rectum(153-154)	19	30.05	0.63	[0.38 - 0.99]
Liver (155)	2	2.16	0.93	[0.11 - 3.34]
Pancreas (157)	11	7.66	1.44	[0.72 - 2.57]
Larynx (161)	4	3.69	1.08	[0.30 - 2.77]
Lung (162)	46	37.58	1.22	[0.90 - 1.63]
Bone (170)	0	0.66	0.00	[0.00 - 5.55]
Melanoma of skin (172)	13	8.78	1.48	[0.79 - 2.53]
Breast (174-175)	2	1.77	1.13	[0.14 - 4.08]
Cervix uteri (180)	1	0.55	1.81	[0.05 - 10.1]
Ovary (183)	0	0.39	0.00	[0.00 - 9.48]
Uterus (179,181-182)	0	0.38	0.00	[0.00 - 9.65]
Other female genital organs (184)	0	0.03	0.00	[0.00 - 0110]
Prostate (185)	25	29.02	0.86	[0.56 - 1.27]
Testis (186)	2	5.19	0.39	[0.05 - 1.39]
Bladder (188)	19	16.65	1.14	[0.69 - 1.78]
Kidney (189)	5	8.64	0.58	[0.19 - 1.35]
Brain (191-192)	2	7.36	0.27	[0.03 - 0.98]
Thyroid (193)	0	1.43	0.00	[0.00 - 2.59]
Non-Hodgkins lymphoma (200,202)	2	6.89	0.29	[0.04 - 1.05]
Hodgkins disease (201)	3	2.36	1.27	[0.26 - 3.72]
Leukemia (204-208)	6	5.79	1.04	[0.38 - 2.25]
Other malignant neoplasms	38	36.53	1.04	[0.74 - 1.43]
Non malignant sites	12			

Table 4.5.34
Incidence from selected cancer sites

TOTAL COHORT

Ever highly exposed to TIO2 (titanium dioxide)

Men

Cancer sites (ICD 9th.revision)	Observed	Expected	SIR	95% Conf.Interval
ALL MALIGNANT NEOPLASMS (140-208)	218	232.28	0.94	[0.82 - 1.07]
Buccal Pharynx (140-149)	7	7.27	0.96	[0.39 - 1.98]
Oesophagus (150)	3	2.78	1.08	[0.22 - 3.16]
Stomach (151)	15	14.38	1.04	[0.58 - 1.72]
Small intestine (152)	0	0.72	0.00	[0.00 - 5.11]
Large intestine and rectum(153-154)	19	29.24	0.65	[0.39 - 1.01]
Liver (155)	2	2.12	0.95	[0.11 - 3.41]
Pancreas (157)	11	7.49	1.47	[0.73 - 2.63]
Larynx (161)	4	3.68	1.09	[0.30 - 2.79]
Lung (162)	44	37.23	1.18	[0.86 - 1.59]
Bone (170)	0	0.65	0.00	[0.00 - 5.64]
Melanoma of skin (172)	12	8.58	1.40	[0.72 - 2.44]
Breast (174-175)	0	0.36	0.00	[0.00 - 10.3]
Cervix uteri (180)	0	-	-	-
Ovary (183)	0	-	-	-
Uterus (179,181-182)	0	-	-	-
Other female genital organs (184)	0	-	-	-
Prostate (185)	25	29.02	0.86	[0.56 - 1.27]
Testis (186)	2	5.19	0.39	[0.05 - 1.39]
Bladder (188)	18	16.5	1.09	[0.65 - 1.72]
Kidney (189)	5	8.5	0.59	[0.19 - 1.37]
Brain (191-192)	2	7.22	0.28	[0.03 - 1.00]
Thyroid (193)	0	1.36	0.00	[0.00 - 2.72]
Non-Hodgkins lymphoma (200,202)	2	6.77	0.30	[0.04 - 1.07]
Hodgkins disease (201)	3	2.32	1.29	[0.27 - 3.77]
Leukemia (204-208)	6	5.68	1.06	[0.39 - 2.30]
Other malignant neoplasms	38	35.59	1.07	[0.76 - 1.47]
Non malignant sites	12			

TOTAL COHORT

Ever highly exposed to TIO2 (titanium dioxide)

Women

Cancer sites (ICD 9th.revision)	Observed	Expected	SIR	95% Conf.Interval
ALL MALIGNANT NEOPLASMS (140-208)	7	6.39	1.10	[0.44 - 2.26]
Buccal Pharynx (140-149)	0	0.07	0.00	[0.00 - 54.8]
Oesophagus (150)	0	0.03	0.00	[0.00 - 0123]
Stomach (151)	0	0.21	0.00	[0.00 - 17.4]
Small intestine (152)	0	0.01	0.00	[0.00 - 0251]
Large intestine and rectum(153-154)	0	0.81	0.00	[0.00 - 4.55]
Liver (155)	0	0.04	0.00	[0.00 - 83.3]
Pancreas (157)	0	0.17	0.00	[0.00 - 21.8]
Larynx (161)	0	0.02	0.00	[0.00 - 0228]
Lung (162)	2	0.35	5.72	[0.69 - 20.7]
Bone (170)	0	0.01	0.00	[0.00 - 0369]
Melanoma of skin (172)	1	0.2	5.13	[0.13 - 28.6]
Breast (174-175)	2	1.41	1.42	[0.17 - 5.13]
Cervix uteri (180)	1	0.55	1.81	[0.05 - 10.1]
Ovary (183)	0	0.39	0.00	[0.00 - 9.48]
Uterus (179,181-182)	0	0.38	0.00	[0.00 - 9.65]
Other female genital organs (184)	0	0.03	0.00	[0.00 - 0110]
Prostate (185)	0	-	-	-
Testis (186)	0	-	-	-
Bladder (188)	1	0.15	6.84	[0.17 - 38.1]
Kidney (189)	0	0.15	0.00	[0.00 - 25.3]
Brain (191-192)	0	0.15	0.00	[0.00 - 24.8]
Thyroid (193)	0	0.07	0.00	[0.00 - 53.1]
Non-Hodgkins lymphoma (200,202)	0	0.12	0.00	[0.00 - 32.0]
Hodgkins disease (201)	0	0.03	0.00	[0.00 - 0118]
Leukemia (204-208)	0	0.12	0.00	[0.00 - 32.1]
Other malignant neoplasms	0	0.94	0.00	[0.00 - 3.94]
Non malignant sites	0			

Table 4.5.35
Incidence from selected cancer sites

TOTAL COHORT

Ever highly exposed to WELD (welding fumes)

Cancer sites (ICD 9th.revision)	Observed	Expected	SIR	95% Conf.Interval
ALL MALIGNANT NEOPLASMS (140-208)	1120	1388.02	0.81	[0.76 - 0.86]
Buccal Pharynx (140-149)	38	42.66	0.89	[0.63 - 1.22]
Oesophagus (150)	8	18.2	0.44	[0.19 - 0.87]
Stomach (151)	82	109.22	0.75	[0.60 - 0.93]
Small intestine (152)	4	4.23	0.95	[0.26 - 2.42]
Large intestine and rectum(153-154)	135	141.67	0.95	[0.80 - 1.13]
Liver (155)	7	14.95	0.47	[0.19 - 0.96]
Pancreas (157)	29	46.61	0.62	[0.42 - 0.89]
Larynx (161)	21	21.73	0.97	[0.60 - 1.48]
Lung (162)	231	249.58	0.93	[0.81 - 1.05]
Bone (170)	2	4.33	0.46	[0.06 - 1.67]
Melanoma of skin (172)	43	39.75	1.08	[0.78 - 1.46]
Breast (174-175)	23	26.09	0.88	[0.56 - 1.32]
Cervix uteri (180)	5	5.38	0.93	[0.30 - 2.17]
Ovary (183)	4	5.82	0.69	[0.19 - 1.76]
Uterus (179,181-182)	4	7.01	0.57	[0.16 - 1.46]
Other female genital organs (184)	3	0.7	4.32	[0.89 - 12.6]
Prostate (185)	128	161.42	0.79	[0.66 - 0.94]
Testis (186)	15	18.52	0.81	[0.45 - 1.34]
Bladder (188)	73	73.61	0.99	[0.78 - 1.25]
Kidney (189)	40	45.47	0.88	[0.63 - 1.20]
Brain (191-192)	30	34.2	0.88	[0.59 - 1.25]
Thyroid (193)	3	8.65	0.35	[0.07 - 1.01]
Non-Hodgkins lymphoma (200,202)	24	36.17	0.66	[0.43 - 0.99]
Hodgkins disease (201)	7	11.95	0.59	[0.24 - 1.21]
Leukemia (204-208)	23	31.65	0.73	[0.46 - 1.09]
Other malignant neoplasms	138	230.13	0.60	[0.50 - 0.71]
Non malignant sites	34			

**Table 4.5.36
Incidence from selected cancer sites**

TOTAL COHORT

Ever highly exposed to WELD (welding fumes)

Men

Cancer sites (ICD 9th.revision)	Observed	Expected	SIR	95% Conf.Interval
ALL MALIGNANT NEOPLASMS (140-208)	1029	1271.44	0.81	[0.76 - 0.86]
Buccal Pharynx (140-149)	37	40.99	0.90	[0.64 - 1.24]
Oesophagus (150)	8	16.8	0.48	[0.21 - 0.94]
Stomach (151)	77	101.79	0.76	[0.60 - 0.95]
Small intestine (152)	4	3.89	1.03	[0.28 - 2.63]
Large intestine and rectum(153-154)	124	130.93	0.95	[0.79 - 1.13]
Liver (155)	7	13.69	0.51	[0.21 - 1.05]
Pancreas (157)	26	42.51	0.61	[0.40 - 0.90]
Larynx (161)	21	21.54	0.97	[0.60 - 1.49]
Lung (162)	227	245.34	0.93	[0.81 - 1.05]
Bone (170)	2	4.07	0.49	[0.06 - 1.77]
Melanoma of skin (172)	41	37.38	1.10	[0.79 - 1.49]
Breast (174-175)	0	1.66	0.00	[0.00 - 2.22]
Cervix uteri (180)	0	-	-	-
Ovary (183)	0	-	-	-
Uterus (179,181-182)	0	-	-	-
Other female genital organs (184)	0	-	-	-
Prostate (185)	128	161.42	0.79	[0.66 - 0.94]
Testis (186)	15	18.52	0.81	[0.45 - 1.34]
Bladder (188)	71	71.87	0.99	[0.77 - 1.25]
Kidney (189)	39	42.57	0.92	[0.65 - 1.25]
Brain (191-192)	28	31.99	0.88	[0.58 - 1.27]
Thyroid (193)	3	6.94	0.43	[0.09 - 1.26]
Non-Hodgkins lymphoma (200,202)	23	33.5	0.69	[0.44 - 1.03]
Hodgkins disease (201)	6	11.4	0.53	[0.19 - 1.15]
Leukemia (204-208)	19	29.48	0.64	[0.39 - 1.01]
Other malignant neoplasms	123	204.81	0.60	[0.50 - 0.72]
Non malignant sites	33			

TOTAL COHORT

Ever highly exposed to WELD (welding fumes)

Women

Cancer sites (ICD 9th.revision)	Observed	Expected	SIR	95% Conf.Interval
ALL MALIGNANT NEOPLASMS (140-208)	91	116.58	0.78	[0.63 - 0.96]
Buccal Pharynx (140-149)	1	1.67	0.60	[0.01 - 3.33]
Oesophagus (150)	0	1.39	0.00	[0.00 - 2.65]
Stomach (151)	5	7.43	0.67	[0.22 - 1.57]
Small intestine (152)	0	0.33	0.00	[0.00 - 11.0]
Large intestine and rectum(153-154)	11	10.74	1.02	[0.51 - 1.83]
Liver (155)	0	1.25	0.00	[0.00 - 2.94]
Pancreas (157)	3	4.1	0.73	[0.15 - 2.14]
Larynx (161)	0	0.19	0.00	[0.00 - 19.0]
Lung (162)	4	4.24	0.94	[0.26 - 2.42]
Bone (170)	0	0.26	0.00	[0.00 - 14.2]
Melanoma of skin (172)	2	2.37	0.84	[0.10 - 3.04]
Breast (174-175)	23	24.43	0.94	[0.60 - 1.41]
Cervix uteri (180)	5	5.38	0.93	[0.30 - 2.17]
Ovary (183)	4	5.82	0.69	[0.19 - 1.76]
Uterus (179,181-182)	4	7.01	0.57	[0.16 - 1.46]
Other female genital organs (184)	3	0.7	4.32	[0.89 - 12.6]
Prostate (185)	0	-	-	-
Testis (186)	0	-	-	-
Bladder (188)	2	1.73	1.15	[0.14 - 4.17]
Kidney (189)	1	2.9	0.35	[0.01 - 1.92]
Brain (191-192)	2	2.21	0.90	[0.11 - 3.26]
Thyroid (193)	0	1.71	0.00	[0.00 - 2.16]
Non-Hodgkins lymphoma (200,202)	1	2.67	0.38	[0.01 - 2.09]
Hodgkins disease (201)	1	0.54	1.84	[0.05 - 10.2]
Leukemia (204-208)	4	2.17	1.84	[0.50 - 4.71]
Other malignant neoplasms	15	25.32	0.59	[0.33 - 0.98]
Non malignant sites	1			

Table 4.5.37
Incidence from selected cancer sites

TOTAL COHORT

Ever highly exposed to WOOD (wood dust)

Cancer sites (ICD 9th.revision)	Observed	Expected	SIR	95% Conf.Interval
ALL MALIGNANT NEOPLASMS (140-208)	459	540.9	0.85	[0.77 - 0.93]
Buccal Pharynx (140-149)	12	16.24	0.74	[0.38 - 1.29]
Oesophagus (150)	4	6.8	0.59	[0.16 - 1.51]
Stomach (151)	40	43.44	0.92	[0.66 - 1.25]
Small intestine (152)	0	1.76	0.00	[0.00 - 2.09]
Large intestine and rectum(153-154)	65	61.58	1.06	[0.81 - 1.35]
Liver (155)	5	5.49	0.91	[0.30 - 2.13]
Pancreas (157)	20	18.93	1.06	[0.65 - 1.63]
Larynx (161)	10	7.14	1.40	[0.67 - 2.58]
Lung (162)	74	79.12	0.94	[0.73 - 1.17]
Bone (170)	0	1.38	0.00	[0.00 - 2.67]
Melanoma of skin (172)	17	16.24	1.05	[0.61 - 1.68]
Breast (174-175)	6	11.61	0.52	[0.19 - 1.13]
Cervix uteri (180)	4	1.8	2.22	[0.61 - 5.70]
Ovary (183)	1	2.32	0.43	[0.01 - 2.41]
Uterus (179,181-182)	1	2.81	0.36	[0.01 - 1.98]
Other female genital organs (184)	1	0.27	3.67	[0.09 - 20.5]
Prostate (185)	73	81.82	0.89	[0.70 - 1.12]
Testis (186)	6	5.94	1.01	[0.37 - 2.20]
Bladder (188)	20	29.96	0.67	[0.41 - 1.03]
Kidney (189)	10	18.97	0.53	[0.25 - 0.97]
Brain (191-192)	14	13.44	1.04	[0.57 - 1.75]
Thyroid (193)	1	3.68	0.27	[0.01 - 1.52]
Non-Hodgkins lymphoma (200,202)	13	14.68	0.89	[0.47 - 1.51]
Hodgkins disease (201)	2	4.24	0.47	[0.06 - 1.70]
Leukemia (204-208)	8	12.64	0.63	[0.27 - 1.25]
Other malignant neoplasms	52	79.31	0.66	[0.49 - 0.86]
Non malignant sites	4			

Table 4.5.38
Incidence from selected cancer sites

TOTAL COHORT

Ever highly exposed to WOOD (wood dust)

Men

Cancer sites (ICD 9th.revision)	Observed	Expected	SIR	95% Conf.Interval
ALL MALIGNANT NEOPLASMS (140-208)	435	495.14	0.88	[0.80 - 0.97]
Buccal Pharynx (140-149)	11	15.64	0.70	[0.35 - 1.26]
Oesophagus (150)	4	6.36	0.63	[0.17 - 1.61]
Stomach (151)	38	41.06	0.93	[0.65 - 1.27]
Small intestine (152)	0	1.64	0.00	[0.00 - 2.25]
Large intestine and rectum(153-154)	64	57.89	1.11	[0.85 - 1.41]
Liver (155)	4	5.01	0.80	[0.22 - 2.04]
Pancreas (157)	19	17.49	1.09	[0.65 - 1.70]
Larynx (161)	10	7.06	1.42	[0.68 - 2.60]
Lung (162)	74	77.51	0.95	[0.75 - 1.20]
Bone (170)	0	1.28	0.00	[0.00 - 2.88]
Melanoma of skin (172)	17	15.16	1.12	[0.65 - 1.80]
Breast (174-175)	0	0.7	0.00	[0.00 - 5.27]
Cervix uteri (180)	0	-	-	-
Ovary (183)	0	-	-	-
Uterus (179,181-182)	0	-	-	-
Other female genital organs (184)	0	-	-	-
Prostate (185)	73	81.82	0.89	[0.70 - 1.12]
Testis (186)	6	5.94	1.01	[0.37 - 2.20]
Bladder (188)	19	29.38	0.65	[0.39 - 1.01]
Kidney (189)	10	17.8	0.56	[0.27 - 1.03]
Brain (191-192)	13	12.51	1.04	[0.55 - 1.78]
Thyroid (193)	1	2.85	0.35	[0.01 - 1.96]
Non-Hodgkins lymphoma (200,202)	13	13.55	0.96	[0.51 - 1.64]
Hodgkins disease (201)	1	4.01	0.25	[0.01 - 1.39]
Leukemia (204-208)	8	11.86	0.67	[0.29 - 1.33]
Other malignant neoplasms	50	69.32	0.72	[0.54 - 0.95]
Non malignant sites	4			

TOTAL COHORT

Ever highly exposed to WOOD (wood dust)

Women

Cancer sites (ICD 9th.revision)	Observed	Expected	SIR	95% Conf.Interval
ALL MALIGNANT NEOPLASMS (140-208)	24	45.76	0.52	[0.34 - 0.78]
Buccal Pharynx (140-149)	1	0.6	1.67	[0.04 - 9.33]
Oesophagus (150)	0	0.44	0.00	[0.00 - 8.43]
Stomach (151)	2	2.37	0.84	[0.10 - 3.04]
Small intestine (152)	0	0.13	0.00	[0.00 - 28.9]
Large intestine and rectum(153-154)	1	3.68	0.27	[0.01 - 1.51]
Liver (155)	1	0.48	2.10	[0.05 - 11.7]
Pancreas (157)	1	1.44	0.70	[0.02 - 3.88]
Larynx (161)	0	0.07	0.00	[0.00 - 49.7]
Lung (162)	0	1.6	0.00	[0.00 - 2.30]
Bone (170)	0	0.1	0.00	[0.00 - 36.1]
Melanoma of skin (172)	0	1.08	0.00	[0.00 - 3.42]
Breast (174-175)	6	10.91	0.55	[0.20 - 1.20]
Cervix uteri (180)	4	1.8	2.22	[0.61 - 5.70]
Ovary (183)	1	2.32	0.43	[0.01 - 2.41]
Uterus (179,181-182)	1	2.81	0.36	[0.01 - 1.98]
Other female genital organs (184)	1	0.27	3.67	[0.09 - 20.5]
Prostate (185)	0	-	-	-
Testis (186)	0	-	-	-
Bladder (188)	1	0.59	1.70	[0.04 - 9.47]
Kidney (189)	0	1.17	0.00	[0.00 - 3.16]
Brain (191-192)	1	0.93	1.07	[0.03 - 5.99]
Thyroid (193)	0	0.83	0.00	[0.00 - 4.46]
Non-Hodgkins lymphoma (200,202)	0	1.14	0.00	[0.00 - 3.25]
Hodgkins disease (201)	1	0.23	4.26	[0.11 - 23.8]
Leukemia (204-208)	0	0.79	0.00	[0.00 - 4.69]
Other malignant neoplasms	2	9.99	0.20	[0.02 - 0.72]
Non malignant sites	0			

Department codes and names used in the analysis

Code (one digit) used in IARC analysis	Code (two digits) used in IARC analysis	Department code	Department name
-1-	-1-		DEPARTMENTS RELATED TO PULP PRODUCTION
	-1-		Raw material preparation
		101	Preparation of wood or wood-based raw materials of pulp [if wood is the predominant (>50%) raw material]
		102	Preparation of non-wood raw materials of pulp [if cotton, linen, etc. is the predominant (>50%) raw material]
	-2-		Groundwood
		111	Production of groundwood pulp
		112	Washing, screening, or riffing of groundwood pulp
		113	Bleaching of groundwood pulp [including post-bleaching washing]
		114	Drying of groundwood pulp
		115	Winding, cutting, grading and packaging of groundwood pulp
		118	Other specified department in groundwood pulp production
		119	Unknown department in groundwood pulp production
	-3-		Tmp/Rmp
		121	Production of thermomechanical (TMP) or refinermechanical (RMP) pulp
		122	Washing, screening, or riffing of TMP or RMP pulp
		123	Bleaching of TMP or RMP pulp [including post-bleaching washing]
		124	Drying of TMP or RMP pulp
		125	winding, cutting, grading and packaging of TMP or RMP pulp
		128	Other specified department in TMP or RMP pulp production
		129	Unknown department in TMP or RMP pulp production
	-4-		Ctmp
		131	Production of chemi-thermomechanical (CTMP) pulp
		132	Washing, screening, or riffing of CTMP pulp
		133	Bleaching of CTMP pulp [including post-bleaching washing]
		134	Drying of CTMP pulp
		135	Winding, cutting, grading and packaging of CTMP pulp
		136	Making and recovery of CTMP cooking liquor
		138	Other specified department in CTMP pulp production
		139	Unknown department in CTMP pulp production
	-5-		Sulphite (including neutral sulphite semichemical, NSSC)
		141	Digestion of sulphite pulp
		142	Washing, screening, riffing, refining or beating of sulphite pulp
		143	Bleaching of sulphite pulp [including post-bleaching washing]
		144	Drying of sulphite pulp
		145	winding, cutting, grading and packaging of sulphite pulp
		146	Making and recovery of sulphite cooking liquor
		148	Other specified department in sulphite pulp production
		149	Unknown department in sulphite pulp production
	-6-		Sulphate or kraft
		151	Digestion of sulphate pulp
		152	Washing, screening, riffing, refining or beating of sulphate pulp
		153	Bleaching of sulphate pulp [including post-bleaching washing]
		154	Drying of sulphate pulp
		155	Winding, cutting, grading and packaging of sulphate pulp
		156	Making and recovery of sulphate cooking liquor [including evaporation, and precipitation]
		157	Lime kiln [including causticizing and slaker]
		158	Other specified department in sulphate pulp production
		159	Unknown department in sulphate pulp production
	-7-		Chemical production and by-product production on site
		161	Production of chlorine
		162	Production of turpentine
		163	Production of tall oil
		164	Production of viscose rayon
		165	Production of torula yeast or ethanol
		166	Production of vanillin
		167	Production of lignosulphonate
		168	Production of other by-products of pulp
		169	Unknown department in pulp production and by products
	-8-		Other/unspecified pulp production
		198	Other specified department in pulp production
		199	Unknown department in pulp production

Department codes and names used in the analysis

Code (one digit) used in IARC analysis	Code (two digits) used in IARC analysis	Department code	Department name
-2-	-9-		DEPARTMENTS RELATED TO RECYCLED PAPER/PAPERBOARD PULP PRODUCTION
		201	Repulping of waste paper
		202	Deinking of waste paper
		203	Washing, screening, or riffling of recycled paper pulp
		204	Bleaching of recycled paper pulp [including post-bleaching washing]
		205	Drying of recycled paper pulp
		206	Winding, cutting, grading and packaging of recycled paper pulp
		298	Other specified department in recycled paper pulp production
		299	Unknown department in recycled paper pulp production
-3-	-10-		DEPARTMENTS RELATED TO PAPER/PAPERBOARD PRODUCTION
		301	Pulping, refining, beating, mixing (stock preparation)
		302	Newsprint and uncoated paper machine
		303	Fine and coated paper machine
		304	Soft/tissue paper machine
		305	Paperboard machine
		306	Paper/paperboard machines from more than one of the above categories
		307	Calendering or on-machine coating [if calendering, coating, lamination, impregnation, etc, is carried out in paper or paperboard mill (on-machine)]
		308	Winding, cutting, grading, packaging of paper or paperboard
		398	Other specified department in paper/paperboard production
		399	Unknown department in paper/paperboard production
-4-	-11-		DEPARTMENTS RELATED TO PAPER/PAPERBOARD PRODUCT MANUFACTURE (CONVERTING OPERATIONS)
		401	Production of coated, laminated or impregnated papers or paperboards [if produced in a separate mill outside paper or paperboard mill (off-machine)]
		402	Production of containers or liquid packages
		403	Production of cardboard boxes
		404	Production of bags and sacks
		405	Production of wall paper
		406	Production of fire retardant paper products
		407	Production of labels, stickers or envelopes
		408	Production of pads, blacks notebooks, etc.
		409	Production of counter rolls
		410	Production of fungicidal or insecticidal paper products
		498	Other specified department in production of paper/paperboard products
		499	Unknown department in production of paper/paperboard products
-5-	-12-		NON PRODUCTION DEPARTMENTS (EXCLUDING CONTRACTORS)
		501	Maintenance, repair and cleaning
		502	Process water treatment
		503	Steam and power generating plant
		504	Effluent water treatment
		505	Storage, loading, transport, yard and shipping
		506	Laboratory and research
		507	Office (administration, clerical, medical, cafeteria, safety, etc.)
		508	Construction
		509	Engineering
		510	Security
		598	Other specified non-production department
		599	Unknown non-production department
-6-	-13-		OTHER/UNKNOWN DEPARTMENTS
		998	Other specified department in manufacture of pulp, paper, paperboard or their products
		999	Unknown department in manufacture of pulp, paper, paperboard or their products