Supplementary Table 1. Observed deaths, relative risks, and 90 % CIs by category of items, and ERR/Sv for radiation (Entry date: the date of the questionnaire response).

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Items | Category | Causes of death | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|  |  | All noncancers | | | | | | |  | Circulatory diseases | | | | | | |  | Cardiovascular diseases | | | | | | |  | Cerebrovascular diseases | | | | | | |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  | Obs.a | RR | 95% CI | | | | |  | Obs.a | RR | 95% CI | | | | |  | Obs.a | RR | 95% CI | | | | |  | Obs.a | RR | 95% CI | | | | |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Observed death |  | 1201 |  |  |  |  |  |  |  | 634 |  |  |  |  |  |  |  | 398 |  |  |  |  |  |  |  | 231 |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Smoking | 0 (Never, refb) | 155 | 1.00 |  |  |  |  |  |  | 83 | 1.00 |  |  |  |  |  |  | 50 | 1.00 |  |  |  |  |  |  | 33 | 1.00 |  |  |  |  |  |  |
| (Packyears) | Former smoker | 444 | 1.33 | ( | 1.10 | - | 1.61 | ) |  | 210 | 1.14 | ( | 0.88 | - | 1.49 | ) |  | 135 | 1.20 | ( | 0.85 | - | 1.68 | ) |  | 73 | 1.02 | ( | 0.67 | - | 1.57 | ) |  |
|  | >0- | 59 | 2.21 | ( | 1.62 | - | 3.03 | ) |  | 34 | 2.32 | ( | 1.53 | - | 3.52 | ) |  | 20 | 2.17 | ( | 1.25 | - | 3.77 | ) |  | 14 | 2.52 | ( | 1.32 | - | 4.81 | ) |  |
|  | 20- | 235 | 1.83 | ( | 1.47 | - | 2.28 | ) |  | 122 | 1.76 | ( | 1.31 | - | 2.36 | ) |  | 77 | 1.88 | ( | 1.29 | - | 2.74 | ) |  | 45 | 1.56 | ( | 0.97 | - | 2.52 | ) |  |
|  | 40- | 226 | 1.83 | ( | 1.47 | - | 2.28 | ) |  | 136 | 2.06 | ( | 1.54 | - | 2.75 | ) |  | 85 | 2.18 | ( | 1.50 | - | 3.16 | ) |  | 48 | 1.75 | ( | 1.09 | - | 2.81 | ) |  |
|  | 60+ | 82 | 1.49 | ( | 1.12 | - | 1.98 | ) |  | 49 | 1.64 | ( | 1.13 | - | 2.39 | ) |  | 31 | 1.66 | ( | 1.03 | - | 2.66 | ) |  | 18 | 1.63 | ( | 0.88 | - | 2.99 | ) |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Alcohol consumption | 0 (Never, refb) | 232 | 1.00 |  |  |  |  |  |  | 123 | 1.00 |  |  |  |  |  |  | 77 | 1.00 |  |  |  |  |  |  | 45 | 1.00 |  |  |  |  |  |  |
| (Ethanol / day (g)) | Former drinker | 281 | 1.83 | ( | 1.52 | - | 2.21 | ) |  | 147 | 1.95 | ( | 1.50 | - | 2.53 | ) |  | 94 | 2.05 | ( | 1.48 | - | 2.85 | ) |  | 50 | 1.76 | ( | 1.13 | - | 2.72 | ) |  |
|  | >0 | 287 | 0.74 | ( | 0.62 | - | 0.90 | ) |  | 154 | 0.76 | ( | 0.59 | - | 0.99 | ) |  | 96 | 0.73 | ( | 0.53 | - | 1.01 | ) |  | 57 | 0.83 | ( | 0.54 | - | 1.27 | ) |  |
|  | 20- | 201 | 1.06 | ( | 0.85 | - | 1.31 | ) |  | 108 | 1.09 | ( | 0.81 | - | 1.45 | ) |  | 67 | 1.12 | ( | 0.78 | - | 1.61 | ) |  | 41 | 1.07 | ( | 0.66 | - | 1.72 | ) |  |
|  | 40- | 95 | 1.01 | ( | 0.78 | - | 1.31 | ) |  | 53 | 0.95 | ( | 0.66 | - | 1.39 | ) |  | 32 | 0.96 | ( | 0.60 | - | 1.53 | ) |  | 21 | 0.97 | ( | 0.52 | - | 1.82 | ) |  |
|  | 60+ | 105 | 0.91 | ( | 0.71 | - | 1.17 | ) |  | 49 | 0.79 | ( | 0.55 | - | 1.14 | ) |  | 32 | 0.79 | ( | 0.50 | - | 1.25 | ) |  | 17 | 0.82 | ( | 0.45 | - | 1.50 | ) |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Health consciousness | Good (refb) | 467 | 1.00 |  |  |  |  |  |  | 247 | 1.00 |  |  |  |  |  |  | 162 | 1.00 |  |  |  |  |  |  | 84 | 1.00 |  |  |  |  |  |  |
|  | Medium | 664 | 0.89 | ( | 0.78 | - | 1.008 | ) |  | 351 | 0.87 | ( | 0.73 | - | 1.04 | ) |  | 211 | 0.80 | ( | 0.64 | - | 0.99 | ) |  | 136 | 0.98 | ( | 0.73 | - | 1.32 | ) |  |
|  | Bad | 70 | 0.88 | ( | 0.68 | - | 1.15 | ) |  | 36 | 0.88 | ( | 0.61 | - | 1.27 | ) |  | 25 | 0.92 | ( | 0.59 | - | 1.44 | ) |  | 11 | 0.81 | ( | 0.42 | - | 1.55 | ) |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Frequency of | Every year (refb) | 746 | 1.00 |  |  |  |  |  |  | 401 | 1.00 |  |  |  |  |  |  | 256 | 1.00 |  |  |  |  |  |  | 142 | 1.00 |  |  |  |  |  |  |
| medical examination | Sometimes | 267 | 1.37 | ( | 1.18 | - | 1.59 | ) |  | 144 | 1.41 | ( | 1.15 | - | 1.73 | ) |  | 85 | 1.29 | ( | 0.99 | - | 1.67 | ) |  | 58 | 1.64 | ( | 1.17 | - | 2.28 | ) |  |
|  | Almost never | 188 | 1.54 | ( | 1.29 | - | 1.84 | ) |  | 89 | 1.44 | ( | 1.12 | - | 1.86 | ) |  | 57 | 1.48 | ( | 1.08 | - | 2.03 | ) |  | 31 | 1.38 | ( | 0.88 | - | 2.14 | ) |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Breakfast intake | Everyday (refb) | 1005 | 1.00 |  |  |  |  |  |  | 539 | 1.00 |  |  |  |  |  |  | 335 | 1.00 |  |  |  |  |  |  | 199 | 1.00 |  |  |  |  |  |  |
|  | Sometimes | 146 | 1.66 | ( | 1.37 | - | 1.99 | ) |  | 71 | 1.48 | ( | 1.14 | - | 1.92 | ) |  | 48 | 1.58 | ( | 1.14 | - | 2.18 | ) |  | 23 | 1.34 | ( | 0.85 | - | 2.11 | ) |  |
|  | Almost never | 50 | 1.17 | ( | 0.87 | - | 1.58 | ) |  | 24 | 1.00 | ( | 0.65 | - | 1.54 | ) |  | 15 | 1.02 | ( | 0.60 | - | 1.75 | ) |  | 9 | 0.98 | ( | 0.47 | - | 2.02 | ) |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Sleep | Well (refb) | 631 | 1.00 |  |  |  |  |  |  | 355 | 1.00 |  |  |  |  |  |  | 223 | 1.00 |  |  |  |  |  |  | 130 | 1.00 |  |  |  |  |  |  |
|  | Sometimes not well | 466 | 1.13 | ( | 1.00 | - | 1.28 | ) |  | 227 | 1.01 | ( | 0.85 | - | 1.21 | ) |  | 142 | 0.99 | ( | 0.79 | - | 1.23 | ) |  | 83 | 1.04 | ( | 0.78 | - | 1.38 | ) |  |
|  | Not well | 104 | 1.95 | ( | 1.58 | - | 2.42 | ) |  | 52 | 1.86 | ( | 1.37 | - | 2.52 | ) |  | 33 | 1.90 | ( | 1.30 | - | 2.77 | ) |  | 18 | 1.70 | ( | 1.01 | - | 2.87 | ) |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| BMI | <18.5 | 135 | 2.24 | ( | 1.85 | - | 2.72 | ) |  | 46 | 1.47 | ( | 1.07 | - | 2.02 | ) |  | 25 | 1.38 | ( | 0.90 | - | 2.09 | ) |  | 20 | 1.60 | ( | 0.97 | - | 2.63 | ) |  |
|  | 18.5-<25 (refb) | 795 | 1.00 |  |  |  |  |  |  | 434 | 1.00 |  |  |  |  |  |  | 264 | 1.00 |  |  |  |  |  |  | 167 | 1.00 |  |  |  |  |  |  |
|  | 25- | 244 | 1.02 | ( | 0.88 | - | 1.18 | ) |  | 138 | 1.03 | ( | 0.85 | - | 1.26 | ) |  | 99 | 1.23 | ( | 0.98 | - | 1.56 | ) |  | 38 | 0.72 | ( | 0.50 | - | 1.04 | ) |  |
|  | 30+ | 27 | 1.53 | ( | 1.04 | - | 2.25 | ) |  | 16 | 1.59 | ( | 0.96 | - | 2.63 | ) |  | 10 | 1.59 | ( | 0.84 | - | 3.01 | ) |  | 6 | 1.58 | ( | 0.69 | - | 3.60 | ) |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Job category | Design & research (refb) | 70 | 1.00 |  |  |  |  |  |  | 34 | 1.00 |  |  |  |  |  |  | 26 | 1.00 |  |  |  |  |  |  | 8 | 1.00 |  |  |  |  |  |  |
|  | Radiological management | 172 | 1.11 | ( | 0.82 | - | 1.50 | ) |  | 86 | 1.06 | ( | 0.70 | - | 1.63 | ) |  | 55 | 0.81 | ( | 0.49 | - | 1.35 | ) |  | 30 | 1.93 | ( | 0.83 | - | 4.52 | ) |  |
|  | Operation & investigation | 129 | 1.37 | ( | 0.98 | - | 1.90 | ) |  | 61 | 1.39 | ( | 0.88 | - | 2.21 | ) |  | 40 | 1.09 | ( | 0.63 | - | 1.88 | ) |  | 21 | 2.47 | ( | 1.00 | - | 6.07 | ) |  |
|  | Maintenance | 830 | 1.36 | ( | 1.02 | - | 1.81 | ) |  | 453 | 1.51 | ( | 1.01 | - | 2.25 | ) |  | 277 | 1.24 | ( | 0.77 | - | 1.98 | ) |  | 172 | 2.44 | ( | 1.07 | - | 5.55 | ) |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Job position | Management (refb) | 215 | 1.00 |  |  |  |  |  |  | 122 | 1.00 |  |  |  |  |  |  | 83 | 1.00 |  |  |  |  |  |  | 38 | 1.00 |  |  |  |  |  |  |
|  | Technical advisor | 110 | 0.96 | ( | 0.72 | - | 1.27 | ) |  | 57 | 0.90 | ( | 0.62 | - | 1.32 | ) |  | 37 | 0.89 | ( | 0.55 | - | 1.42 | ) |  | 19 | 0.88 | ( | 0.46 | - | 1.68 | ) |  |
|  | Group leader | 447 | 1.15 | ( | 0.93 | - | 1.42 | ) |  | 241 | 1.03 | ( | 0.78 | - | 1.37 | ) |  | 143 | 1.04 | ( | 0.74 | - | 1.48 | ) |  | 95 | 1.01 | ( | 0.62 | - | 1.64 | ) |  |
|  | Staff | 429 | 1.16 | ( | 0.95 | - | 1.43 | ) |  | 214 | 1.00 | ( | 0.76 | - | 1.31 | ) |  | 135 | 0.98 | ( | 0.69 | - | 1.37 | ) |  | 79 | 1.05 | ( | 0.65 | - | 1.67 | ) |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Years of education | 13+ years (refb) | 222 | 1.00 |  |  |  |  |  |  | 115 | 1.00 |  |  |  |  |  |  | 81 | 1.00 |  |  |  |  |  |  | 33 | 1.00 |  |  |  |  |  |  |
|  | 10-12 years | 451 | 0.97 | ( | 0.82 | - | 1.16 | ) |  | 243 | 1.02 | ( | 0.80 | - | 1.31 | ) |  | 159 | 0.93 | ( | 0.69 | - | 1.25 | ) |  | 84 | 1.29 | ( | 0.83 | - | 2.01 | ) |  |
|  | <10 years | 528 | 1.10 | ( | 0.91 | - | 1.33 | ) |  | 276 | 1.13 | ( | 0.87 | - | 1.47 | ) |  | 158 | 0.89 | ( | 0.64 | - | 1.23 | ) |  | 114 | 1.78 | ( | 1.12 | - | 2.83 | ) |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Radiation | <5 mSv (refb) | 541 | 1.00 |  |  |  |  |  |  | 280 | 1.00 |  |  |  |  |  |  | 164 | 1.00 |  |  |  |  |  |  | 115 | 1.00 |  |  |  |  |  |  |
| (Cumulative dose) | 5- mSv | 76 | 0.91 | ( | 0.71 | - | 1.16 | ) |  | 42 | 0.95 | ( | 0.68 | - | 1.32 | ) |  | 36 | 1.41 | ( | 0.98 | - | 2.04 | ) |  | 6 | 0.32 | ( | 0.14 | - | 0.72 | ) |  |
|  | 10- mSv | 217 | 1.10 | ( | 0.94 | - | 1.29 | ) |  | 114 | 1.13 | ( | 0.91 | - | 1.41 | ) |  | 69 | 1.17 | ( | 0.88 | - | 1.56 | ) |  | 43 | 1.03 | ( | 0.72 | - | 1.47 | ) |  |
|  | 20- mSv | 188 | 0.90 | ( | 0.76 | - | 1.07 | ) |  | 105 | 0.96 | ( | 0.76 | - | 1.21 | ) |  | 71 | 1.14 | ( | 0.86 | - | 1.51 | ) |  | 33 | 0.70 | ( | 0.47 | - | 1.04 | ) |  |
|  | 50- mSv | 116 | 1.11 | ( | 0.90 | - | 1.36 | ) |  | 61 | 1.09 | ( | 0.82 | - | 1.45 | ) |  | 40 | 1.26 | ( | 0.89 | - | 1.80 | ) |  | 20 | 0.83 | ( | 0.51 | - | 1.35 | ) |  |
|  | 100+ msv | 63 | 0.94 | ( | 0.72 | - | 1.23 | ) |  | 32 | 0.87 | ( | 0.60 | - | 1.26 | ) |  | 18 | 0.88 | ( | 0.53 | - | 1.44 | ) |  | 14 | 0.87 | ( | 0.49 | - | 1.53 | ) |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  | ERR/Sv |  | -0.27 | ( | -1.61 | - | 1.07 | ) |  |  | -1.01 | ( | -2.62 | - | 0.60 | ) |  |  | -0.89 | ( | -2.99 | - | 1.22 | ) |  |  | -1.12 | ( | -3.69 | - | 1.45 | ) |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| a: The number of the deaths listed in each category were based on pseudo complete data set #1. These were almost similar but slightly different by data set. | | | | | | | | | | | | | | | | | | | | | | | | | |  |  |  |  |  |  |  |  |
| b: Reference category. |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

Supplementary Table 1. Observed deaths, relative risks, and 90 % CIs by category of items, and ERR/Sv for radiation (Entry date: the date of the questionnaire response). (continued)

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Items | Category | Causes of death | | | | | | | | | | | | | | |
|  |  | Respiratory diseases | | | | | | |  | Digestive diseases | | | | | | |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  | Obs.a | RR | 95% CI | | | | |  | Obs.a | RR | 95% CI | | | | |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Observed death |  | 236 |  |  |  |  |  |  |  | 103 |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Smoking | 0 (Never, refb) | 30 | 1.00 |  |  |  |  |  |  | 6 | 1.00 |  |  |  |  |  |
| (Packyears) | Former smoker | 122 | 1.81 | ( | 1.17 | - | 2.81 | ) |  | 34 | 3.10 | ( | 1.20 | - | 8.01 | ) |
|  | >0- | 8 | 1.74 | ( | 0.78 | - | 3.90 | ) |  | 8 | 7.43 | ( | 2.38 | - | 23.18 | ) |
|  | 20- | 35 | 1.66 | ( | 0.97 | - | 2.82 | ) |  | 26 | 4.26 | ( | 1.59 | - | 11.39 | ) |
|  | 40- | 28 | 1.23 | ( | 0.70 | - | 2.15 | ) |  | 22 | 4.11 | ( | 1.52 | - | 11.11 | ) |
|  | 60+ | 13 | 1.33 | ( | 0.67 | - | 2.65 | ) |  | 7 | 2.70 | ( | 0.83 | - | 8.76 | ) |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Alcohol consumption | 0 (Never, refb) | 48 | 1.00 |  |  |  |  |  |  | 15 | 1.00 |  |  |  |  |  |
| (Ethanol / day (g)) | Former drinker | 75 | 2.07 | ( | 1.40 | - | 3.05 | ) |  | 15 | 1.63 | ( | 0.75 | - | 3.54 | ) |
|  | >0 | 55 | 0.69 | ( | 0.46 | - | 1.05 | ) |  | 20 | 0.78 | ( | 0.36 | - | 1.71 | ) |
|  | 20- | 34 | 1.07 | ( | 0.65 | - | 1.77 | ) |  | 23 | 1.55 | ( | 0.71 | - | 3.36 | ) |
|  | 40- | 11 | 0.89 | ( | 0.47 | - | 1.71 | ) |  | 17 | 2.46 | ( | 1.13 | - | 5.36 | ) |
|  | 60+ | 13 | 0.52 | ( | 0.25 | - | 1.07 | ) |  | 13 | 1.63 | ( | 0.74 | - | 3.60 | ) |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Health consciousness | Good (refb) | 99 | 1.00 |  |  |  |  |  |  | 30 | 1.00 |  |  |  |  |  |
|  | Medium | 126 | 0.95 | ( | 0.71 | - | 1.27 | ) |  | 62 | 1.08 | ( | 0.67 | - | 1.72 | ) |
|  | Bad | 11 | 0.70 | ( | 0.34 | - | 1.43 | ) |  | 11 | 1.74 | ( | 0.83 | - | 3.66 | ) |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Frequency of | Every year (refb) | 142 | 1.00 |  |  |  |  |  |  | 63 | 1.00 |  |  |  |  |  |
| medical examination | Sometimes | 48 | 1.09 | ( | 0.77 | - | 1.54 | ) |  | 22 | 1.37 | ( | 0.82 | - | 2.28 | ) |
|  | Almost never | 46 | 1.76 | ( | 1.21 | - | 2.56 | ) |  | 18 | 1.56 | ( | 0.87 | - | 2.80 | ) |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Breakfast intake | Everyday (refb) | 202 | 1.00 |  |  |  |  |  |  | 74 | 1.00 |  |  |  |  |  |
|  | Sometimes | 30 | 2.15 | ( | 1.42 | - | 3.25 | ) |  | 20 | 2.41 | ( | 1.41 | - | 4.13 | ) |
|  | Almost never | 4 | 0.68 | ( | 0.25 | - | 1.88 | ) |  | 9 | 1.87 | ( | 0.89 | - | 3.93 | ) |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Sleep | Well (refb) | 113 | 1.00 |  |  |  |  |  |  | 44 | 1.00 |  |  |  |  |  |
|  | Sometimes not well | 103 | 1.34 | ( | 1.01 | - | 1.77 | ) |  | 46 | 1.38 | ( | 0.90 | - | 2.12 | ) |
|  | Not well | 20 | 1.75 | ( | 1.06 | - | 2.88 | ) |  | 13 | 3.17 | ( | 1.67 | - | 6.03 | ) |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| BMI | <18.5 | 51 | 4.39 | ( | 3.12 | - | 6.19 | ) |  | 12 | 2.44 | ( | 1.30 | - | 4.58 | ) |
|  | 18.5-<25 (refb) | 139 | 1.00 |  |  |  |  |  |  | 70 | 1.00 |  |  |  |  |  |
|  | 25- | 42 | 1.06 | ( | 0.74 | - | 1.53 | ) |  | 19 | 0.84 | ( | 0.49 | - | 1.43 | ) |
|  | 30+ | 4 | 1.49 | ( | 0.55 | - | 4.04 | ) |  | 2 | 1.20 | ( | 0.29 | - | 4.93 | ) |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Job category | Design & research (refb) | 21 | 1.00 |  |  |  |  |  |  | 4 | 1.00 |  |  |  |  |  |
|  | Radiological management | 40 | 1.01 | ( | 0.53 | - | 1.91 | ) |  | 12 | 1.49 | ( | 0.47 | - | 4.70 | ) |
|  | Operation & investigation | 23 | 0.92 | ( | 0.44 | - | 1.93 | ) |  | 19 | 3.00 | ( | 0.98 | - | 9.18 | ) |
|  | Maintenance | 152 | 0.92 | ( | 0.50 | - | 1.67 | ) |  | 68 | 1.96 | ( | 0.67 | - | 5.70 | ) |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Job Position | Management (refb) | 39 | 1.00 |  |  |  |  |  |  | 16 | 1.00 |  |  |  |  |  |
|  | Technical advisor | 23 | 1.11 | ( | 0.55 | - | 2.22 | ) |  | 12 | 1.08 | ( | 0.44 | - | 2.65 | ) |
|  | Group leader | 91 | 1.64 | ( | 0.95 | - | 2.82 | ) |  | 35 | 1.24 | ( | 0.57 | - | 2.68 | ) |
|  | Staff | 83 | 1.56 | ( | 0.94 | - | 2.58 | ) |  | 40 | 1.25 | ( | 0.61 | - | 2.56 | ) |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Years of education | 13+ years (refb) | 42 | 1.00 |  |  |  |  |  |  | 26 | 1.00 |  |  |  |  |  |
|  | 10-12 years | 83 | 0.88 | ( | 0.58 | - | 1.35 | ) |  | 31 | 0.59 | ( | 0.35 | - | 1.02 | ) |
|  | <10 years | 111 | 1.09 | ( | 0.70 | - | 1.68 | ) |  | 46 | 0.84 | ( | 0.46 | - | 1.54 | ) |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Radiation | <5 mSv (refb) | 117 | 1.00 |  |  |  |  |  |  | 49 | 1.00 |  |  |  |  |  |
| (Cumulative dose) | 5- mSv | 15 | 0.85 | ( | 0.49 | - | 1.47 | ) |  | 2 | 0.26 | ( | 0.06 | - | 1.09 | ) |
|  | 10- mSv | 39 | 0.88 | ( | 0.61 | - | 1.28 | ) |  | 23 | 1.30 | ( | 0.78 | - | 2.15 | ) |
|  | 20- mSv | 35 | 0.79 | ( | 0.53 | - | 1.16 | ) |  | 16 | 0.82 | ( | 0.46 | - | 1.46 | ) |
|  | 50- mSv | 19 | 0.90 | ( | 0.55 | - | 1.48 | ) |  | 7 | 0.71 | ( | 0.32 | - | 1.59 | ) |
|  | 100+ msv | 11 | 0.88 | ( | 0.47 | - | 1.66 | ) |  | 6 | 0.95 | ( | 0.40 | - | 2.26 | ) |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  | ERR/Sv |  | -0.63 | ( | -3.65 | - | 2.40 | ) |  |  | 0.76 | ( | -4.39 | - | 5.90 | ) |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| a: The number of the deaths listed in each category were based on pseudo complete data set #1. These were almost similar but slightly different by data set. | | | | | | | | | | | | | | | | |
| b: Reference category. | | | | | | | | | | | | | | | | |