Supplementary table 3. Observed deaths, relative risks, and 95 % CIs by each cause of death and category of items.

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Items | Category |  | Causes of death |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  | All cancers excluding leukemia | | | | | | |  | Stomach cancer | | | | | | |  | Liver cancer | | | | | | |  | Colorectal cancer | | | | | | |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  | Obs.a | RR | 95% CI | | | | |  | Obs.a | RR | 95% CI | | | | |  | Obs.a | RR | 95% CI | | | | |  | Obs.a | RR | 95% CI | | | | |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Observed death |  | 978 |  |  |  |  |  |  |  | 165 |  |  |  |  |  |  |  | 100 |  |  |  |  |  |  |  | 114 |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Smoking | 0 (Never, refb) | 117 | 1.00 |  |  |  |  |  |  | 17 | 1.00 |  |  |  |  |  |  | 14 | 1.00 |  |  |  |  |  |  | 21 | 1.00 |  |  |  |  |  |  |
| (Pack-years) | Former smoker | 359 | 1.51 | ( | 1.22 | - | 1.86 | ) |  | 59 | 1.67 | ( | 0.96 | - | 2.90 | ) |  | 32 | 1.01 | ( | 0.53 | - | 1.92 | ) |  | 47 | 0.99 | ( | 0.58 | - | 1.70 | ) |  |
|  | >0- | 31 | 1.66 | ( | 1.11 | - | 2.50 | ) |  | 4 | 1.37 | ( | 0.46 | - | 4.13 | ) |  | 0 |  |  |  |  |  |  |  | 3 | 0.81 | ( | 0.24 | - | 2.78 | ) |  |
|  | 20- | 182 | 1.95 | ( | 1.53 | - | 2.49 | ) |  | 32 | 2.15 | ( | 1.16 | - | 3.97 | ) |  | 21 c | 1.30 c | ( | 0.64 | - | 2.64 | )c |  | 20 | 1.07 | ( | 0.55 | - | 2.09 | ) |  |
|  | 40- | 182 | 1.95 | ( | 1.53 | - | 2.50 | ) |  | 37 | 2.54 | ( | 1.39 | - | 4.62 | ) |  | 17 | 1.31 | ( | 0.63 | - | 2.72 | ) |  | 13 | 0.73 | ( | 0.34 | - | 1.56 | ) |  |
|  | 60+ | 107 | 2.71 | ( | 2.05 | - | 3.57 | ) |  | 16 | 2.76 | ( | 1.35 | - | 5.62 | ) |  | 16 | 2.58 | ( | 1.20 | - | 5.52 | ) |  | 10 | 1.02 | ( | 0.43 | - | 2.44 | ) |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Alcohol consumption | 0 (Never, refb) | 148 | 1.00 |  |  |  |  |  |  | 24 | 1.00 |  |  |  |  |  |  | 10 | 1.00 |  |  |  |  |  |  | 14 | 1.00 |  |  |  |  |  |  |
| (Ethanol / day (g)) | Former drinker | 153 | 1.51 | ( | 1.20 | - | 1.91 | ) |  | 26 | 1.62 | ( | 0.93 | - | 2.83 | ) |  | 21 | 2.90 | ( | 1.34 | - | 6.29 | ) |  | 22 | 2.61 | ( | 1.28 | - | 5.33 | ) |  |
|  | >0 | 276 | 0.90 | ( | 0.74 | - | 1.11 | ) |  | 50 | 0.95 | ( | 0.58 | - | 1.55 | ) |  | 19 | 0.81 | ( | 0.38 | - | 1.74 | ) |  | 34 | 1.42 | ( | 0.73 | - | 2.73 | ) |  |
|  | 20- | 189 | 1.18 | ( | 0.93 | - | 1.49 | ) |  | 35 | 1.19 | ( | 0.67 | - | 2.13 | ) |  | 20 | 1.49 | ( | 0.68 | - | 3.25 | ) |  | 23 | 1.92 | ( | 0.94 | - | 3.92 | ) |  |
|  | 40- | 90 | 1.19 | ( | 0.89 | - | 1.59 | ) |  | 15 | 1.41 | ( | 0.75 | - | 2.64 | ) |  | 16 | 2.24 | ( | 0.97 | - | 5.18 | ) |  | 8 | 1.57 | ( | 0.64 | - | 3.87 | ) |  |
|  | 60+ | 122 | 1.30 | ( | 1.01 | - | 1.68 | ) |  | 15 | 0.87 | ( | 0.44 | - | 1.73 | ) |  | 14 | 1.87 | ( | 0.82 | - | 4.27 | ) |  | 13 | 1.75 | ( | 0.77 | - | 4.03 | ) |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Health consciousness | Good (refb) | 332 | 1.00 |  |  |  |  |  |  | 48 | 1.00 |  |  |  |  |  |  | 33 | 1.00 |  |  |  |  |  |  | 40 | 1.00 |  |  |  |  |  |  |
|  | Medium | 596 | 1.08 | ( | 0.94 | - | 1.24 | ) |  | 108 | 1.35 | ( | 0.94 | - | 1.94 | ) |  | 59 | 1.09 | ( | 0.69 | - | 1.71 | ) |  | 66 | 1.02 | ( | 0.67 | - | 1.55 | ) |  |
|  | Bad | 50 | 0.99 | ( | 0.72 | - | 1.35 | ) |  | 9 | 1.15 | ( | 0.54 | - | 2.46 | ) |  | 8 | 1.67 | ( | 0.74 | - | 3.78 | ) |  | 8 | 1.27 | ( | 0.54 | - | 3.01 | ) |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Frequency of | Every year (refb) | 660 | 1.00 |  |  |  |  |  |  | 105 | 1.00 |  |  |  |  |  |  | 63 | 1.00 |  |  |  |  |  |  | 73 | 1.00 |  |  |  |  |  |  |
| medical examination | Sometimes | 195 | 1.19 | ( | 1.01 | - | 1.41 | ) |  | 36 | 1.44 | ( | 0.97 | - | 2.15 | ) |  | 24 | 1.63 | ( | 0.99 | - | 2.70 | ) |  | 22 | 1.15 | ( | 0.69 | - | 1.90 | ) |  |
|  | Almost never | 123 | 1.26 | ( | 1.02 | - | 1.55 | ) |  | 24 | 1.55 | ( | 0.96 | - | 2.49 | ) |  | 13 | 1.53 | ( | 0.81 | - | 2.91 | ) |  | 19 | 1.67 | ( | 0.96 | - | 2.92 | ) |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Breakfast intake | Every day (refb) | 863 | 1.00 |  |  |  |  |  |  | 143 | 1.00 |  |  |  |  |  |  | 89 | 1.00 |  |  |  |  |  |  | 95 | 1.00 |  |  |  |  |  |  |
|  | Sometimes | 70 | 0.92 | ( | 0.71 | - | 1.18 | ) |  | 9 | 0.70 | ( | 0.35 | - | 1.40 | ) |  | 8 | 0.80 | ( | 0.38 | - | 1.70 | ) |  | 14 | 1.91 | ( | 1.06 | - | 3.46 | ) |  |
|  | Almost never | 45 | 1.21 | ( | 0.89 | - | 1.65 | ) |  | 13 | 1.99 | ( | 1.09 | - | 3.63 | ) |  | 3 | 0.65 | ( | 0.20 | - | 2.12 | ) |  | 5 | 1.46 | ( | 0.57 | - | 3.73 | ) |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Sleep | Well (refb) | 570 | 1.00 |  |  |  |  |  |  | 99 | 1.00 |  |  |  |  |  |  | 48 | 1.00 |  |  |  |  |  |  | 61 | 1.00 |  |  |  |  |  |  |
|  | Sometimes not well | 369 | 1.06 | ( | 0.93 | - | 1.21 | ) |  | 61 | 0.99 | ( | 0.71 | - | 1.37 | ) |  | 49 | 1.66 | ( | 1.11 | - | 2.50 | ) |  | 47 | 1.22 | ( | 0.82 | - | 1.79 | ) |  |
|  | Not well | 39 | 0.93 | ( | 0.66 | - | 1.30 | ) |  | 5 | 0.73 | ( | 0.29 | - | 1.80 | ) |  | 3 | 0.89 | ( | 0.27 | - | 2.89 | ) |  | 6 | 1.23 | ( | 0.52 | - | 2.90 | ) |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| BMI | <18.5 | 53 | 1.34 | ( | 1.01 | - | 1.77 | ) |  | 12 | 1.80 | ( | 0.98 | - | 3.32 | ) |  | 3 | 0.78 | ( | 0.24 | - | 2.55 | ) |  | 5 | 1.06 | ( | 0.42 | - | 2.67 | ) |  |
|  | 18.5-<25 (refb) | 707 | 1.00 |  |  |  |  |  |  | 122 | 1.00 |  |  |  |  |  |  | 68 | 1.00 |  |  |  |  |  |  | 81 | 1.00 |  |  |  |  |  |  |
|  | 25- | 204 | 0.94 | ( | 0.80 | - | 1.10 | ) |  | 30 | 0.80 | ( | 0.53 | - | 1.21 | ) |  | 26 | 1.31 | ( | 0.83 | - | 2.07 | ) |  | 26 | 0.95 | ( | 0.60 | - | 1.50 | ) |  |
|  | 30+ | 14 | 0.91 | ( | 0.54 | - | 1.55 | ) |  | 1 | 0.37 | ( | 0.05 | - | 2.69 | ) |  | 3 | 2.01 | ( | 0.62 | - | 6.45 | ) |  | 2 | 1.13 | ( | 0.28 | - | 4.64 | ) |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Job category | Design & research (refb) | 73 | 1.00 |  |  |  |  |  |  | 11 | 1.00 |  |  |  |  |  |  | 10 | 1.00 |  |  |  |  |  |  | 11 | 1.00 |  |  |  |  |  |  |
|  | Radiological management | 165 | 0.99 | ( | 0.74 | - | 1.32 | ) |  | 28 | 1.17 | ( | 0.57 | - | 2.42 | ) |  | 14 | 0.55 | ( | 0.22 | - | 1.33 | ) |  | 17 | 0.77 | ( | 0.35 | - | 1.68 | ) |  |
|  | Operation & investigation | 110 | 0.97 | ( | 0.70 | - | 1.34 | ) |  | 21 | 1.07 | ( | 0.50 | - | 2.32 | ) |  | 9 | 0.69 | ( | 0.26 | - | 1.85 | ) |  | 12 | 0.64 | ( | 0.25 | - | 1.63 | ) |  |
|  | Maintenance | 630 | 1.01 | ( | 0.77 | - | 1.34 | ) |  | 105 | 1.01 | ( | 0.51 | - | 1.99 | ) |  | 67 | 0.78 | ( | 0.35 | - | 1.74 | ) |  | 74 | 0.90 | ( | 0.44 | - | 1.86 | ) |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Position | Management (refb) | 212 | 1.00 |  |  |  |  |  |  | 32 | 1.00 |  |  |  |  |  |  | 23 | 1.00 |  |  |  |  |  |  | 23 | 1.00 |  |  |  |  |  |  |
|  | Technical advisor | 96 | 0.96 | ( | 0.72 | - | 1.27 | ) |  | 18 | 1.51 | ( | 0.80 | - | 2.88 | ) |  | 7 | 0.51 | ( | 0.18 | - | 1.42 | ) |  | 10 | 0.93 | ( | 0.41 | - | 2.10 | ) |  |
|  | Group leader | 355 | 1.19 | ( | 0.94 | - | 1.50 | ) |  | 55 | 1.56 | ( | 0.88 | - | 2.76 | ) |  | 46 | 1.14 | ( | 0.58 | - | 2.22 | ) |  | 39 | 1.27 | ( | 0.65 | - | 2.49 | ) |  |
|  | Staff | 315 | 1.07 | ( | 0.86 | - | 1.33 | ) |  | 60 | 1.48 | ( | 0.86 | - | 2.53 | ) |  | 24 | 0.72 | ( | 0.37 | - | 1.41 | ) |  | 42 | 1.23 | ( | 0.66 | - | 2.28 | ) |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Years of education | 13+ years (refb) | 192 | 1.00 |  |  |  |  |  |  | 32 | 1.00 |  |  |  |  |  |  | 18 | 1.00 |  |  |  |  |  |  | 21 | 1.00 |  |  |  |  |  |  |
|  | 10-12 years | 412 | 1.14 | ( | 0.94 | - | 1.37 | ) |  | 71 | 1.22 | ( | 0.78 | - | 1.92 | ) |  | 51 | 1.37 | ( | 0.76 | - | 2.46 | ) |  | 56 | 1.67 | ( | 0.95 | - | 2.94 | ) |  |
|  | <10 years | 374 | 1.16 | ( | 0.94 | - | 1.42 | ) |  | 62 | 1.18 | ( | 0.71 | - | 1.97 | ) |  | 31 | 1.00 | ( | 0.51 | - | 1.98 | ) |  | 37 | 1.28 | ( | 0.67 | - | 2.46 | ) |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Radiation | <5 mSv (refb) | 423 | 1.00 |  |  |  |  |  |  | 76 | 1.00 |  |  |  |  |  |  | 43 | 1.00 |  |  |  |  |  |  | 57 | 1.00 |  |  |  |  |  |  |
| (Cumulative dose) | 5- mSv | 77 | 1.25 | ( | 0.98 | - | 1.59 | ) |  | 9 | 0.82 | ( | 0.41 | - | 1.65 | ) |  | 6 | 0.90 | ( | 0.38 | - | 2.13 | ) |  | 4 | 0.50 | ( | 0.18 | - | 1.38 | ) |  |
|  | 10- mSv | 158 | 1.03 | ( | 0.85 | - | 1.24 | ) |  | 25 | 0.89 | ( | 0.56 | - | 1.41 | ) |  | 10 | 0.64 | ( | 0.32 | - | 1.29 | ) |  | 22 | 1.06 | ( | 0.64 | - | 1.75 | ) |  |
|  | 20- mSv | 173 | 1.08 | ( | 0.90 | - | 1.29 | ) |  | 30 | 1.03 | ( | 0.67 | - | 1.59 | ) |  | 24 | 1.45 | ( | 0.86 | - | 2.43 | ) |  | 15 | 0.71 | ( | 0.40 | - | 1.27 | ) |  |
|  | 50- mSv | 100 | 1.24 | ( | 0.996 | - | 1.55 | ) |  | 20 | 1.37 | ( | 0.83 | - | 2.27 | ) |  | 8 | 0.95 | ( | 0.44 | - | 2.05 | ) |  | 11 | 1.13 | ( | 0.59 | - | 2.19 | ) |  |
|  | 100+ mSv | 47 | 0.89 | ( | 0.65 | - | 1.20 | ) |  | 5 | 0.56 | ( | 0.22 | - | 1.39 | ) |  | 9 | 1.62 | ( | 0.77 | - | 3.41 | ) |  | 5 | 0.79 | ( | 0.31 | - | 2.02 | ) |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| a: The number of deaths listed in each category were based on pseudo-complete data set #1. These were almost similar, but slightly different in each data set. | | | | | | | | | | | | | | | | | | | | | | | | | | |  |  |  |  |  |  |  |
| b: Reference category. |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| c: The results were based on the category that combined >0- and 20- because the number of observed deaths for >0- was zero. | | | | | | | | | | | | | | | | | | | | |  |  |  |  |  |  |  |  |  |  |  |  |  |

Supplementary table 3. Observed deaths, relative risks and 90 % CIs by each cause of death and category of items. (Continued)

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Items | Category |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  | Lung cancer | | | | | | |  | Smoking-related cancers | | | | | | |  | Non-smoking related cancers | | | | | | |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  | Obs.a | RR | 95% CI | | | | |  | Obs.a | RR | 95% CI | | | | |  | Obs.a | RR | 95% CI | | | | |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Observed death |  | 237 |  |  |  |  |  |  |  | 704 |  |  |  |  |  |  |  | 234 |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Smoking | 0 (Never, refb) | 11 | 1.00 |  |  |  |  |  |  | 65 | 1.00 |  |  |  |  |  |  | 43 | 1.00 |  |  |  |  |  |
| (Pack-years) | Former smoker | 91 | 4.71 | ( | 2.42 | - | 9.18 | ) |  | 250 | 1.92 | ( | 1.45 | - | 2.54 | ) |  | 94 | 1.01 | ( | 0.69 | - | 1.47 | ) |
|  | >0- | 6 | 4.67 | ( | 1.68 | - | 13.04 | ) |  | 19 | 1.88 | ( | 1.12 | - | 3.15 | ) |  | 8 | 1.05 | ( | 0.47 | - | 2.36 | ) |
|  | 20- | 36 | 5.29 | ( | 2.56 | - | 10.92 | ) |  | 138 | 2.59 | ( | 1.90 | - | 3.52 | ) |  | 40 | 1.21 | ( | 0.76 | - | 1.93 | ) |
|  | 40- | 57 | 8.29 | ( | 4.14 | - | 16.59 | ) |  | 151 | 2.84 | ( | 2.10 | - | 3.86 | ) |  | 26 | 0.79 | ( | 0.47 | - | 1.32 | ) |
|  | 60+ | 36 | 12.52 | ( | 6.05 | - | 25.90 | ) |  | 81 | 3.65 | ( | 2.59 | - | 5.14 | ) |  | 23 | 1.48 | ( | 0.85 | - | 2.56 | ) |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Alcohol consumption | 0 (Never, refb) | 41 | 1.00 |  |  |  |  |  |  | 102 | 1.00 |  |  |  |  |  |  | 38 | 1.00 |  |  |  |  |  |
| (Ethanol / day (g)) | Former drinker | 40 | 1.27 | ( | 0.81 | - | 1.99 | ) |  | 113 | 1.64 | ( | 1.25 | - | 2.16 | ) |  | 35 | 1.31 | ( | 0.81 | - | 2.11 | ) |
|  | >0 | 71 | 0.85 | ( | 0.57 | - | 1.26 | ) |  | 187 | 0.86 | ( | 0.67 | - | 1.10 | ) |  | 74 | 1.02 | ( | 0.68 | - | 1.52 | ) |
|  | 20- | 35 | 0.79 | ( | 0.49 | - | 1.28 | ) |  | 137 | 1.15 | ( | 0.87 | - | 1.53 | ) |  | 45 | 1.30 | ( | 0.83 | - | 2.05 | ) |
|  | 40- | 18 | 0.85 | ( | 0.47 | - | 1.53 | ) |  | 69 | 1.25 | ( | 0.90 | - | 1.74 | ) |  | 19 | 1.08 | ( | 0.58 | - | 1.98 | ) |
|  | 60+ | 32 | 1.14 | ( | 0.70 | - | 1.86 | ) |  | 96 | 1.40 | ( | 1.05 | - | 1.87 | ) |  | 23 | 1.04 | ( | 0.59 | - | 1.85 | ) |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Health consciousness | Good (refb) | 86 | 1.00 |  |  |  |  |  |  | 231 | 1.00 |  |  |  |  |  |  | 83 | 1.00 |  |  |  |  |  |
|  | Medium | 142 | 1.01 | ( | 0.76 | - | 1.33 | ) |  | 435 | 1.11 | ( | 0.94 | - | 1.31 | ) |  | 141 | 1.05 | ( | 0.79 | - | 1.39 | ) |
|  | Bad | 9 | 0.70 | ( | 0.34 | - | 1.42 | ) |  | 38 | 1.05 | ( | 0.73 | - | 1.50 | ) |  | 10 | 0.83 | ( | 0.40 | - | 1.70 | ) |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Frequency of | Every year (refb) | 164 | 1.00 |  |  |  |  |  |  | 482 | 1.00 |  |  |  |  |  |  | 148 | 1.00 |  |  |  |  |  |
| medical examination | Sometimes | 44 | 0.97 | ( | 0.67 | - | 1.38 | ) |  | 129 | 1.10 | ( | 0.90 | - | 1.35 | ) |  | 59 | 1.53 | ( | 1.11 | - | 2.10 | ) |
|  | Almost never | 29 | 1.10 | ( | 0.72 | - | 1.67 | ) |  | 93 | 1.31 | ( | 1.03 | - | 1.67 | ) |  | 27 | 1.16 | ( | 0.74 | - | 1.82 | ) |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Breakfast intake | Every day (refb) | 216 | 1.00 |  |  |  |  |  |  | 626 | 1.00 |  |  |  |  |  |  | 200 | 1.00 |  |  |  |  |  |
|  | Sometimes | 15 | 0.80 | ( | 0.47 | - | 1.37 | ) |  | 46 | 0.77 | ( | 0.57 | - | 1.06 | ) |  | 24 | 1.62 | ( | 1.04 | - | 2.53 | ) |
|  | Almost never | 6 | 0.67 | ( | 0.29 | - | 1.53 | ) |  | 32 | 1.07 | ( | 0.74 | - | 1.55 | ) |  | 10 | 1.54 | ( | 0.80 | - | 2.98 | ) |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Sleep | Well (refb) | 145 | 1.00 |  |  |  |  |  |  | 419 | 1.00 |  |  |  |  |  |  | 126 | 1.00 |  |  |  |  |  |
|  | Sometimes not well | 79 | 0.89 | ( | 0.67 | - | 1.19 | ) |  | 256 | 1.00 | ( | 0.86 | - | 1.18 | ) |  | 99 | 1.26 | ( | 0.96 | - | 1.64 | ) |
|  | Not well | 13 | 1.33 | ( | 0.74 | - | 2.37 | ) |  | 29 | 0.98 | ( | 0.66 | - | 1.44 | ) |  | 9 | 0.97 | ( | 0.49 | - | 1.93 | ) |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| BMI | <18.5 | 12 | 1.14 | ( | 0.63 | - | 2.06 | ) |  | 39 | 1.36 | ( | 0.98 | - | 1.89 | ) |  | 11 | 1.18 | ( | 0.63 | - | 2.20 | ) |
|  | 18.5-<25 (refb) | 173 | 1.00 |  |  |  |  |  |  | 512 | 1.00 |  |  |  |  |  |  | 166 | 1.00 |  |  |  |  |  |
|  | 25- | 48 | 0.93 | ( | 0.67 | - | 1.30 | ) |  | 144 | 0.92 | ( | 0.77 | - | 1.12 | ) |  | 53 | 1.01 | ( | 0.74 | - | 1.38 | ) |
|  | 30+ | 4 | 1.10 | ( | 0.40 | - | 2.98 | ) |  | 9 | 0.80 | ( | 0.41 | - | 1.54 | ) |  | 4 | 1.11 | ( | 0.41 | - | 3.00 | ) |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Job category | Design & research (refb) | 17 | 1.00 |  |  |  |  |  |  | 47 | 1.00 |  |  |  |  |  |  | 18 | 1.00 |  |  |  |  |  |
|  | Radiological management | 42 | 0.85 | ( | 0.47 | - | 1.55 | ) |  | 117 | 1.03 | ( | 0.72 | - | 1.48 | ) |  | 42 | 1.03 | ( | 0.59 | - | 1.82 | ) |
|  | Operation & investigation | 23 | 0.77 | ( | 0.40 | - | 1.51 | ) |  | 84 | 1.10 | ( | 0.75 | - | 1.62 | ) |  | 23 | 0.75 | ( | 0.38 | - | 1.50 | ) |
|  | Maintenance | 155 | 0.84 | ( | 0.48 | - | 1.48 | ) |  | 456 | 1.06 | ( | 0.76 | - | 1.49 | ) |  | 151 | 1.04 | ( | 0.61 | - | 1.79 | ) |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Position | Management (refb) | 55 | 1.00 |  |  |  |  |  |  | 155 | 1.00 |  |  |  |  |  |  | 49 | 1.00 |  |  |  |  |  |
|  | Technical advisor | 19 | 0.69 | ( | 0.37 | - | 1.26 | ) |  | 68 | 0.95 | ( | 0.69 | - | 1.32 | ) |  | 25 | 0.97 | ( | 0.55 | - | 1.70 | ) |
|  | Group leader | 93 | 0.96 | ( | 0.60 | - | 1.53 | ) |  | 258 | 1.13 | ( | 0.87 | - | 1.49 | ) |  | 82 | 1.27 | ( | 0.80 | - | 2.01 | ) |
|  | Staff | 70 | 0.87 | ( | 0.55 | - | 1.35 | ) |  | 223 | 1.02 | ( | 0.79 | - | 1.32 | ) |  | 78 | 1.16 | ( | 0.75 | - | 1.80 | ) |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Years of education | 13+ years (refb) | 40 | 1.00 |  |  |  |  |  |  | 141 | 1.00 |  |  |  |  |  |  | 42 | 1.00 |  |  |  |  |  |
|  | 10-12 years | 92 | 1.16 | ( | 0.78 | - | 1.73 | ) |  | 300 | 1.08 | ( | 0.87 | - | 1.34 | ) |  | 102 | 1.42 | ( | 0.96 | - | 2.12 | ) |
|  | <10 years | 105 | 1.38 | ( | 0.89 | - | 2.13 | ) |  | 263 | 1.08 | ( | 0.84 | - | 1.37 | ) |  | 90 | 1.37 | ( | 0.88 | - | 2.14 | ) |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Radiation | <5 mSv (refb) | 84 | 1.00 |  |  |  |  |  |  | 291 | 1.00 |  |  |  |  |  |  | 115 | 1.00 |  |  |  |  |  |
| (Cumulative dose) | 5- mSv | 26 | 2.10 | ( | 1.34 | - | 3.29 | ) |  | 58 | 1.35 | ( | 1.02 | - | 1.80 | ) |  | 15 | 0.90 | ( | 0.52 | - | 1.54 | ) |
|  | 10- mSv | 43 | 1.39 | ( | 0.95 | - | 2.02 | ) |  | 114 | 1.08 | ( | 0.86 | - | 1.34 | ) |  | 38 | 0.89 | ( | 0.61 | - | 1.29 | ) |
|  | 20- mSv | 44 | 1.38 | ( | 0.95 | - | 2.00 | ) |  | 135 | 1.21 | ( | 0.99 | - | 1.50 | ) |  | 33 | 0.76 | ( | 0.51 | - | 1.12 | ) |
|  | 50- mSv | 27 | 1.61 | ( | 1.03 | - | 2.51 | ) |  | 75 | 1.32 | ( | 1.02 | - | 1.71 | ) |  | 22 | 1.07 | ( | 0.67 | - | 1.70 | ) |
|  | 100+ mSv | 13 | 1.13 | ( | 0.62 | - | 2.06 | ) |  | 31 | 0.82 | ( | 0.56 | - | 1.19 | ) |  | 11 | 0.82 | ( | 0.44 | - | 1.54 | ) |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| a: The number of the deaths listed in each category was based on pseudo-complete data set #1. These were almost similar but slightly different in each data set. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| b: Reference category. |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | |  | |  | |  | |  | |  |  |  |  |
| c: The results were based on the category that combined >0- and 20- because the number of observed deaths for >0- was zero. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  | |  | |  | |  | |