Supplementary table 2. Numbers of subjects and observed deaths for all cancers excluding leukemia.by each category of items and data sets.

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Items | Category | Not imputed | | PCDa #1 | | PCDa #2 | | PCDa #3 | | PCDa #4 | | PCDa #5 | | Complete case | |
|  |  | Subjects | Obsb | Subjects | Obsb | Subjects | Obsb | Subjects | Obsb | Subjects | Obsb | Subjects | Obsb | Subjects | Obsb |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Total |  | 41742 | 978 | 41742 | 978 | 41742 | 978 | 41742 | 978 | 41742 | 978 | 41742 | 978 | 31800 | 611 |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Smoking | 0 (Never, refc) | 8494 | 114 | 8790 | 123 | 8802 | 123 | 8804 | 122 | 8786 | 119 | 8806 | 121 | 6889 | 80 |
| (Pack-years) | Former smoker | 12555 | 348 | 12975 | 356 | 12943 | 358 | 12932 | 356 | 12967 | 354 | 12929 | 355 | 9802 | 219 |
|  | >0- | 2134 | 30 | 2159 | 30 | 2167 | 31 | 2173 | 30 | 2169 | 30 | 2170 | 30 | 1733 | 17 |
|  | 20- | 9595 | 176 | 9864 | 184 | 9833 | 183 | 9851 | 182 | 9861 | 185 | 9867 | 183 | 7635 | 120 |
|  | 40- | 5508 | 173 | 5728 | 179 | 5772 | 179 | 5753 | 180 | 5735 | 185 | 5743 | 185 | 4130 | 106 |
|  | 60+ | 2197 | 103 | 2226 | 106 | 2225 | 104 | 2229 | 108 | 2224 | 105 | 2227 | 104 | 1611 | 69 |
|  | Unknownd | 1259 | 34 |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Alcohol consumption | 0 (Never, refc) | 6450 | 144 | 7083 | 168 | 7064 | 164 | 7001 | 163 | 7085 | 166 | 7011 | 164 | 5216 | 87 |
| (Ethanol / day (g)) | Former drinker | 2660 | 145 | 2885 | 152 | 2880 | 153 | 2880 | 153 | 2892 | 153 | 2918 | 154 | 1808 | 91 |
|  | >0 | 14881 | 255 | 15563 | 273 | 15539 | 279 | 15540 | 272 | 15519 | 269 | 15553 | 277 | 12591 | 194 |
|  | 20- | 6715 | 145 | 7624 | 180 | 7643 | 175 | 7630 | 167 | 7636 | 182 | 7651 | 175 | 5725 | 107 |
|  | 40- | 3605 | 68 | 4209 | 82 | 4217 | 87 | 4326 | 105 | 4246 | 92 | 4204 | 91 | 3100 | 52 |
|  | 60+ | 4129 | 108 | 4378 | 123 | 4399 | 120 | 4365 | 118 | 4364 | 116 | 4405 | 117 | 3360 | 80 |
|  | Unknownd | 3302 | 113 |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Health consciousness | Good (refc) | 12690 | 321 | 12884 | 324 | 12873 | 326 | 12881 | 327 | 12868 | 328 | 12883 | 327 | 9521 | 187 |
|  | Medium | 26070 | 593 | 26426 | 603 | 26429 | 602 | 26431 | 601 | 26441 | 600 | 26423 | 602 | 20428 | 393 |
|  | Bad | 2399 | 49 | 2432 | 51 | 2440 | 50 | 2430 | 50 | 2433 | 50 | 2436 | 49 | 1851 | 31 |
|  | Unknownd | 583 | 15 |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Frequency of | Every year (refc) | 33645 | 648 | 34009 | 662 | 33982 | 660 | 34005 | 656 | 33998 | 658 | 34000 | 662 | 26796 | 428 |
| medical examination | Sometimes | 4865 | 188 | 4951 | 194 | 4960 | 192 | 4953 | 199 | 4947 | 196 | 4944 | 193 | 3276 | 110 |
|  | Almost never | 2742 | 118 | 2782 | 122 | 2800 | 126 | 2784 | 123 | 2797 | 124 | 2798 | 123 | 1728 | 73 |
|  | Unknownd | 490 | 24 |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Breakfast intake | Every day (refc) | 34854 | 854 | 35159 | 862 | 35164 | 862 | 35162 | 864 | 35156 | 863 | 35158 | 864 | 26748 | 534 |
|  | Sometimes | 4044 | 69 | 4069 | 70 | 4065 | 71 | 4066 | 69 | 4077 | 70 | 4070 | 69 | 3061 | 43 |
|  | Almost never | 2499 | 45 | 2514 | 46 | 2513 | 45 | 2514 | 45 | 2509 | 45 | 2514 | 45 | 1991 | 34 |
|  | Unknownd | 345 | 10 |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Sleep | Well (refc) | 24607 | 562 | 24906 | 567 | 24871 | 572 | 24887 | 570 | 24902 | 569 | 24890 | 571 | 19216 | 360 |
|  | Sometimes not well | 15211 | 365 | 15389 | 373 | 15421 | 368 | 15403 | 370 | 15391 | 372 | 15395 | 369 | 11580 | 229 |
|  | Not well | 1436 | 37 | 1447 | 38 | 1450 | 38 | 1452 | 38 | 1449 | 37 | 1457 | 38 | 1004 | 22 |
|  | Unknownd | 488 | 14 |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| BMI | <18.5 | 1125 | 53 | 1150 | 55 | 1140 | 53 | 1151 | 55 | 1146 | 55 | 1146 | 54 | 782 | 25 |
|  | 18.5-<25 (refc) | 28872 | 696 | 29104 | 706 | 29099 | 706 | 29105 | 704 | 29112 | 706 | 29133 | 709 | 22125 | 445 |
|  | 25- | 10496 | 199 | 10596 | 203 | 10613 | 205 | 10594 | 205 | 10595 | 203 | 10573 | 201 | 8227 | 132 |
|  | 30+ | 885 | 14 | 892 | 14 | 890 | 14 | 892 | 14 | 889 | 14 | 890 | 14 | 666 | 9 |
|  | Unknownd | 364 | 16 |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Job category | Design & research (refc) | 3888 | 68 | 4064 | 73 | 4065 | 74 | 4064 | 76 | 4064 | 75 | 4075 | 75 | 3431 | 57 |
|  | Radiological management | 8034 | 149 | 8379 | 165 | 8388 | 161 | 8383 | 158 | 8386 | 166 | 8393 | 168 | 7170 | 121 |
|  | Operation & investigation | 5565 | 95 | 5837 | 102 | 5819 | 99 | 5818 | 100 | 5800 | 105 | 5785 | 104 | 4733 | 69 |
|  | Maintenance | 21800 | 561 | 23462 | 638 | 23470 | 644 | 23477 | 644 | 23492 | 632 | 23489 | 631 | 16466 | 364 |
|  | Unknownd | 2455 | 105 |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Position | Management (refc) | 9945 | 185 | 10535 | 219 | 10555 | 208 | 10512 | 217 | 10537 | 211 | 10542 | 210 | 8956 | 158 |
|  | Technical advisor | 3940 | 79 | 4361 | 100 | 4384 | 95 | 4402 | 93 | 4397 | 99 | 4386 | 93 | 3358 | 67 |
|  | Group leader | 10201 | 268 | 12201 | 354 | 12148 | 374 | 12096 | 354 | 12202 | 367 | 12114 | 354 | 8434 | 194 |
|  | Staff | 12708 | 244 | 14645 | 305 | 14655 | 301 | 14732 | 314 | 14606 | 301 | 14700 | 321 | 11052 | 192 |
|  | Unknownd | 4948 | 202 |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Years of education | 13+ years (refc) | 12925 | 185 | 13195 | 192 | 13188 | 194 | 13175 | 192 | 13176 | 196 | 13163 | 187 | 11277 | 151 |
|  | 10-12 years | 18940 | 377 | 19670 | 415 | 19657 | 410 | 19673 | 414 | 19672 | 409 | 19700 | 424 | 15416 | 270 |
|  | <10 years | 8236 | 330 | 8877 | 371 | 8897 | 374 | 8894 | 372 | 8894 | 373 | 8879 | 367 | 5107 | 190 |
|  | Unknownd | 1641 | 86 |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Radiation | <5 mSv (refc) | 20353 | 423 | 20353 | 423 | 20353 | 423 | 20353 | 423 | 20353 | 423 | 20353 | 423 | 15435 | 276 |
| (Cumulative dose) | 5- mSv | 2929 | 77 | 2929 | 77 | 2929 | 77 | 2929 | 77 | 2929 | 77 | 2929 | 77 | 2182 | 39 |
|  | 10- mSv | 6259 | 158 | 6259 | 158 | 6259 | 158 | 6259 | 158 | 6259 | 158 | 6259 | 158 | 4747 | 101 |
|  | 20- mSv | 6815 | 173 | 6815 | 173 | 6815 | 173 | 6815 | 173 | 6815 | 173 | 6815 | 173 | 5210 | 103 |
|  | 50- mSv | 3429 | 100 | 3429 | 100 | 3429 | 100 | 3429 | 100 | 3429 | 100 | 3429 | 100 | 2704 | 64 |
|  | 100+ mSv | 1957 | 47 | 1957 | 47 | 1957 | 47 | 1957 | 47 | 1957 | 47 | 1957 | 47 | 1522 | 28 |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| a: Pseudo-complete data set. | |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| b: Observed deaths for all cancers excluding leukemia. | |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| c: Reference category. |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| d: The unknown subjects were distributed to other categories by multiple imputation. | | | | | | |  |  |  |  |  |  |  |  |  |