Supplemental Material 3. Gender-stratified characteristics of the Korean Tuberculosis and Post-Tuberculosis Cohort

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  |  | **Participants, n (%)** | | | | | | ***p*-value** |
|  |  | **Men and women**  **(n=300 117)** | | **Men**  **(n=177 206)** | | **Women**  **(n=122 911)** | |
| Age at registration, years | |  |  |  |  |  |  | <0.001 |
|  | 0-19 | 9512 | (3.2) | 5747 | (3.2) | 3765 | (3.1) |  |
|  | 20-29 | 31 257 | (10.4) | 16 279 | (9.2) | 14 978 | (12.2) |  |
|  | 30-39 | 33 452 | (11.1) | 18 439 | (10.4) | 15 013 | (12.2) |  |
|  | 40-49 | 41 174 | (13.7) | 26 792 | (15.1) | 14 382 | (11.7) |  |
|  | 50-59 | 51 029 | (17) | 35 635 | (20.1) | 15 394 | (12.5) |  |
|  | 60-69 | 41 866 | (13.9) | 28 186 | (15.9) | 13 680 | (11.1) |  |
|  | 70-79 | 52 635 | (17.5) | 29 210 | (16.5) | 23 425 | (19.1) |  |
|  | 80+ | 39 192 | (13.1) | 16 918 | (9.5) | 22 274 | (18.1) |  |
| Region | |  |  |  |  |  |  |  |
|  | Metropolitan | 130 602 | (43.8) | 77 863 | (44.2) | 52 739 | (43.1) |  |
|  | Other | 167 778 | (56.2) | 98 149 | (55.8) | 69 629 | (56.9) |  |
|  | Missing | 1737 | (0.6) | 1194 | (0.7) | 543 | (0.4) |  |
| Nationality | |  |  |  |  |  |  |  |
|  | Korean | 290 966 | (97) | 171 798 | (96.9) | 119 168 | (97) |  |
|  | Foreigner | 7782 | (2.6) | 4632 | (2.6) | 3150 | (2.6) |  |
|  | Missing | 1369 | (0.5) | 776 | (0.4) | 593 | (0.5) |  |
| Household income | |  |  |  |  |  |  |  |
|  | 0 (Lowest) | 23 580 | (7.9) | 14 038 | (7.9) | 9542 | (7.8) |  |
|  | 1 | 47 519 | (15.8) | 27 827 | (15.7) | 19 692 | (16) |  |
|  | 2 | 46 999 | (15.7) | 28 716 | (16.2) | 18 283 | (14.9) |  |
|  | 3 | 51 263 | (17.1) | 30 966 | (17.5) | 20 297 | (16.5) |  |
|  | 4 | 55 048 | (18.3) | 32 840 | (18.5) | 22 208 | (18.1) |  |
|  | 5 (Highest) | 68 282 | (22.8) | 38 483 | (21.7) | 29 799 | (24.2) |  |
|  | Missing | 7426 | (2.5) | 4336 | (2.4) | 3090 | (2.5) |  |
| Type of entitlement | |  |  |  |  |  |  |  |
|  | Self-employed | 97 410 | (32.5) | 60 215 | (34) | 37 195 | (30.3) |  |
|  | Employee | 177 947 | (59.3) | 101 965 | (57.5) | 75 982 | (61.8) |  |
|  | Medical aid | 24 760 | (8.3) | 15 026 | (8.5) | 9734 | (7.9) |  |
| Lesion of TB | |  |  |  |  |  |  |  |
|  | Pulmonary | 245 616 | (81.8) | 148 956 | (84.1) | 96 660 | (78.6) |  |
|  | Extra-pulmonary | 41 950 | (14) | 20 512 | (11.6) | 21 438 | (17.4) |  |
|  | Mix (Pulmonary + Extra-pulmonary) | 12 549 | (4.2) | 7736 | (4.4) | 4813 | (3.9) |  |
|  | Missing | 2 | (0) | 2 | (0) | 0 | (0) |  |
| TB history | |  |  |  |  |  |  |  |
|  | New case | 258 767 | (86.2) | 148 208 | (83.6) | 110 559 | (90) |  |
|  | Previously treated case | 41 350 | (13.8) | 28 998 | (16.4) | 12 352 | (10) |  |
| PPM hospitals | |  |  |  |  |  |  |  |
|  | Non-PPM | 88 334 | (29.4) | 55 672 | (31.4) | 32 662 | (26.6) |  |
|  | PPM | 210 185 | (70) | 120 612 | (68.1) | 89 573 | (72.9) |  |
|  | Mix (Non-PPM+PPM) | 1598 | (0.5) | 922 | (0.5) | 676 | (0.5) |  |
| Type of health institution | |  |  |  |  |  |  |  |
|  | Health center | 24 421 | (8.1) | 16 225 | (9.2) | 8196 | (6.7) |  |
|  | Hospitals and clinics | 275 219 | (91.7) | 160 689 | (90.7) | 114 530 | (93.2) |  |
|  | Mix (Health center+ Hospitals and clinics) | 473 | (0.2) | 288 | (0.2) | 185 | (0.2) |  |
|  | Missing | 4 | (0) | 4 | (0) | 0 | (0) |  |
| X-ray | |  |  |  |  |  |  |  |
|  | Normal | 22 073 | (7.4) | 9822 | (5.5) | 12 251 | (10) |  |
|  | Abnormal | 231 068 | (77) | 142 440 | (80.4) | 88 628 | (72.1) |  |
|  | Unknown | 46 976 | (15.7) | 24 944 | (14.1) | 22 032 | (17.9) |  |
| AFB smear | |  |  |  |  |  |  |  |
|  | Negative | 159 600 | (53.2) | 97 002 | (54.7) | 62 598 | (50.9) |  |
|  | Positive | 88 815 | (29.6) | 55 132 | (31.1) | 33 683 | (27.4) |  |
|  | Unknown | 51 702 | (17.2) | 25 072 | (14.1) | 26 630 | (21.7) |  |
| Culture | |  |  |  |  |  |  |  |
|  | Negative | 81 597 | (27.2) | 49 344 | (27.8) | 32 253 | (26.2) |  |
|  | Positive | 135 458 | (45.1) | 83 530 | (47.1) | 51 928 | (42.2) |  |
|  | Unknown | 55 240 | (18.4) | 30 713 | (17.3) | 24 527 | (20) |  |
|  | Missing | 27 822 | (9.3) | 13 619 | (7.7) | 14 203 | (11.6) |  |
| PCR | |  |  |  |  |  |  |  |
|  | Negative | 44 899 | (15) | 27 400 | (15.5) | 17 499 | (14.2) |  |
|  | Positive | 49 670 | (16.6) | 30 369 | (17.1) | 19 301 | (15.7) |  |
|  | Unknown | 764 | (0.3) | 440 | (0.2) | 324 | (0.3) |  |
|  | Missing | 204 784 | (68.2) | 118 997 | (67.2) | 85 787 | (69.8) |  |
| Xpert | |  |  |  |  |  |  |  |
|  | Negative | 5779 | (1.9) | 3598 | (2) | 2181 | (1.8) |  |
|  | Positive | 8307 | (2.8) | 5314 | (3) | 2993 | (2.4) |  |
|  | Unknown | 286 031 | (95.3) | 168 294 | (95) | 117 737 | (95.8) |  |
| Tuberculosis history | |  |  |  |  |  |  |  |
|  | New case | 258 767 | (86.2) | 148 208 | (83.6) | 110 559 | (90) |  |
|  | Previously treated case | 41 350 | (13.8) | 28 998 | (16.4) | 12 352 | (10) |  |
| Year of registration | |  |  |  |  |  |  |  |
|  | 2011 | 46 694 | (15.6) | 27 769 | (15.7) | 18 925 | (15.4) |  |
|  | 2012 | 44 981 | (15) | 26 550 | (15) | 18 431 | (15) |  |
|  | 2013 | 40 738 | (13.6) | 23 883 | (13.5) | 16 855 | (13.7) |  |
|  | 2014 | 38 386 | (12.8) | 22 486 | (12.7) | 15 900 | (12.9) |  |
|  | 2015 | 35 220 | (11.7) | 20 894 | (11.8) | 14 326 | (11.7) |  |
|  | 2016 | 33 930 | (11.3) | 20 084 | (11.3) | 13 846 | (11.3) |  |
|  | 2017 | 30 997 | (10.3) | 18 217 | (10.3) | 12 780 | (10.4) |  |
|  | 2018 | 29 171 | (9.7) | 17 323 | (9.8) | 11 848 | (9.6) |  |