|  |  |  |
| --- | --- | --- |
|  | N (column %) | Number of CPNS Hospital deaths (%) |
| **Total** | 17420594 (100.0) | 5707 (0.03) |
|  |  |  |
| **Age** |  |  |
| 18-<40 | 5973929 (34.3) | 40 (0.00) |
| 40-<50 | 2871926 (16.5) | 93 (0.00) |
| 50-<60 | 3067705 (17.6) | 355 (0.01) |
| 60-<70 | 2406148 (13.8) | 698 (0.03) |
| 70-<80 | 1952091 (11.2) | 1568 (0.08) |
| 80+ | 1148795 (6.6) | 2953 (0.26) |
|  |  |  |
| **Sex** |  |  |
| Male | 8726918 (50.1) | 2112 (0.02) |
| Female | 8693676 (49.9) | 3595 (0.04) |
|  |  |  |
| **BMI (kg/m2)** |  |  |
| <18.5 | 314161 (1.8) | 162 (0.05) |
| 18.5-24.9 | 4812116 (27.6) | 1478 (0.03) |
| 25-29.9 | 4727688 (27.1) | 1669 (0.04) |
| 30-34.9 | 2405886 (13.8) | 1169 (0.05) |
| 35-39.9 | 930210 (5.3) | 469 (0.05) |
| ≥40 | 467049 (2.7) | 258 (0.06) |
| *Missing* | 3763484 (21.6) | 502 (0.01) |
|  |  |  |
| **Smoking** |  |  |
| Never | 8001135 (45.9) | 1738 (0.02) |
| Former | 5726055 (32.9) | 3543 (0.06) |
| Current | 2964619 (17.0) | 396 (0.01) |
| *Missing* | 728785 (4.2) | 30 (0.00) |
|  |  |  |
| **Ethnicity** |  |  |
| White | 10958443 (62.9) | 3616 (0.03) |
| Mixed | 171391 (1.0) | 39 (0.02) |
| Asian or Asian British | 1029154 (5.9) | 372 (0.04) |
| Black | 342349 (2.0) | 157 (0.05) |
| Other | 322016 (1.8) | 61 (0.02) |
| *Missing* | 4597241 (26.4) | 1462 (0.03) |
|  |  |  |
| **IMD quintile** |  |  |
| 1 (least deprived) | 3501112 (20.1) | 950 (0.03) |
| 2 | 3478439 (20.0) | 1052 (0.03) |
| 3 | 3483205 (20.0) | 1096 (0.03) |
| 4 | 3479518 (20.0) | 1253 (0.04) |
| 5 (most deprived) | 3342741 (19.2) | 1323 (0.04) |
| *Missing* | 135579 (0.8) | 33 (0.02) |
|  |  |  |
| **Blood pressure** |  |  |
| Normal | 3857068 (22.1) | 1178 (0.03) |
| Elevated | 2503613 (14.4) | 970 (0.04) |
| High Stage 1 | 5569261 (32.0) | 1831 (0.03) |
| High Stage 2 | 3754995 (21.6) | 1716 (0.05) |
| *Missing* | 1735657 (10.0) | 12 (0.00) |
|  |  |  |
| High bp or diagnosed hypertension | 5957465 (34.2) | 4231 (0.07) |
|  |  |  |
| ***Comorbidities*** |  |  |
| **Respiratory disease ex asthma** |  |  |
| Present | 711513 (4.1) | 1282 (0.18) |
| Absent | 16709081 (95.9) | 4425 (0.03) |
| **Asthma\*** |  |  |
| Present+recent ocs | 295767 (1.7) | 199 (0.07) |
| Present, no recent ocs | 2477001 (14.2) | 712 (0.03) |
| Absent | 14647826 (84.1) | 4796 (0.03) |
| **Chronic heart disease** |  |  |
| Present | 1180498 (6.8) | 2055 (0.17) |
| Absent | 16240096 (93.2) | 3652 (0.02) |
| **Diabetes\*\*** |  |  |
| Present, HbA1c>7.5% | 476966 (2.7) | 777 (0.16) |
| Present, HbA1c<7.5% | 1035074 (5.9) | 1362 (0.13) |
| Present, no HbA1c | 219991 (1.3) | 249 (0.11) |
| Absent | 15688563 (90.1) | 3319 (0.02) |
| **Cancer (non-haematological)** |  |  |
| < 1 year ago | 82148 (0.5) | 107 (0.13) |
| 1-4.9 years ago | 237345 (1.4) | 248 (0.10) |
| ≥5 years ago | 547714 (3.1) | 559 (0.10) |
| Never | 16553387 (95.0) | 4793 (0.03) |
| **Haematological malignancy** |  |  |
| < 1 year ago | 8859 (0.1) | 27 (0.30) |
| 1-4.9 years ago | 28115 (0.2) | 80 (0.28) |
| ≥5 years ago | 64128 (0.4) | 102 (0.16) |
| Never | 17319492 (99.4) | 5498 (0.03) |
| **Liver disease** |  |  |
| Present | 114823 (0.7) | 112 (0.10) |
| Absent | 17305771 (99.3) | 5595 (0.03) |
| **Stroke/dementia** |  |  |
| Present | 377652 (2.2) | 1011 (0.27) |
| Absent | 17042942 (97.8) | 4696 (0.03) |
| **Other neurology dis** |  |  |
| Present | 172970 (1.0) | 314 (0.18) |
| Absent | 17247624 (99.0) | 5393 (0.03) |
| **Kidney disease** |  |  |
| Present | 1095009 (6.3) | 2533 (0.23) |
| Absent | 16325585 (93.7) | 3174 (0.02) |
| **Organ transplant** |  |  |
| Present | 20207 (0.1) | 49 (0.24) |
| Absent | 17400387 (99.9) | 5658 (0.03) |
| **Spleen diseases** |  |  |
| Present | 28231 (0.2) | 23 (0.08) |
| Absent | 17392363 (99.8) | 5684 (0.03) |
| **Rheumatoid/Lupus/ Psoriasis** |  |  |
| Present | 886315 (5.1) | 532 (0.06) |
| Absent | 16534279 (94.9) | 5175 (0.03) |
| **Other immunosuppressive condition** |  |  |
| Present | 280149 (1.6) | 36 (0.01) |
| Absent | 17140445 (98.4) | 5671 (0.03) |

*\* ocs = oral corticosteroid use, recent defined as <1 year before baseline, \*\* classification by HbA1c based on measures within 15 months before baseline*