|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  |  | Number (% within stratum) experiencing outcomes | | |
|  | N (column %) | Covid-19 ITU admission | CPNS Hospital death | Covid-19 death (ONS) |
| **Total** | 100575 (100.0) | 19855 (19.7) | 20284 (20.2) | 20169 (20.1) |
|  |  |  |  |  |
| **Age** |  |  |  |  |
| 18-<40 | 27742 (27.6) | 5477 (19.7) | 5672 (20.4) | 5663 (20.4) |
| 40-<50 | 12101 (12.0) | 2374 (19.6) | 2419 (20.0) | 2415 (20.0) |
| 50-<60 | 22146 (22.0) | 4452 (20.1) | 4431 (20.0) | 4384 (19.8) |
| 60-<70 | 9455 (9.4) | 1886 (19.9) | 1884 (19.9) | 1884 (19.9) |
| 70-<80 | 8345 (8.3) | 1614 (19.3) | 1706 (20.4) | 1669 (20.0) |
| 80+ | 20786 (20.7) | 4052 (19.5) | 4172 (20.1) | 4154 (20.0) |
|  |  |  |  |  |
| **Sex** |  |  |  |  |
| Male | 55244 (54.9) | 11015 (19.9) | 11171 (20.2) | 11081 (20.1) |
| Female | 45331 (45.1) | 8840 (19.5) | 9113 (20.1) | 9088 (20.0) |
|  |  |  |  |  |
| **BMI (kg/m2)** |  |  |  |  |
| <18.5 | 15276 (15.2) | 3016 (19.7) | 3031 (19.8) | 3040 (19.9) |
| 18.5-24.9 | 19319 (19.2) | 3757 (19.4) | 3933 (20.4) | 3837 (19.9) |
| 25-29.9 | 19016 (18.9) | 3723 (19.6) | 3785 (19.9) | 3859 (20.3) |
| 30-34.9 | 16495 (16.4) | 3281 (19.9) | 3344 (20.3) | 3323 (20.1) |
| 35-39.9 | 15479 (15.4) | 3085 (19.9) | 3169 (20.5) | 3072 (19.8) |
| ≥40 | 14990 (14.9) | 2993 (20.0) | 3022 (20.2) | 3038 (20.3) |
| *Missing* | 0 (0.0) | 0 ( .) | 0 ( .) | 0 ( .) |
|  |  |  |  |  |
| **Smoking** |  |  |  |  |
| Never | 5987 (6.0) | 1223 (20.4) | 1229 (20.5) | 1201 (20.1) |
| Former | 12826 (12.8) | 2576 (20.1) | 2534 (19.8) | 2594 (20.2) |
| Current | 26096 (25.9) | 5221 (20.0) | 5283 (20.2) | 5171 (19.8) |
| *Missing* | 55666 (55.3) | 10835 (19.5) | 11238 (20.2) | 11203 (20.1) |
|  |  |  |  |  |
| **Ethnicity** |  |  |  |  |
| White | 20126 (20.0) | 4055 (20.1) | 4036 (20.1) | 4029 (20.0) |
| Mixed | 20318 (20.2) | 4012 (19.7) | 4153 (20.4) | 4056 (20.0) |
| Asian or Asian British | 20165 (20.0) | 3964 (19.7) | 4076 (20.2) | 4015 (19.9) |
| Black | 20030 (19.9) | 3870 (19.3) | 4087 (20.4) | 4092 (20.4) |
| Other | 19936 (19.8) | 3954 (19.8) | 3932 (19.7) | 3977 (19.9) |
| *Missing* | 0 (0.0) | 0 ( .) | 0 ( .) | 0 ( .) |
|  |  |  |  |  |
| **IMD quintile** |  |  |  |  |
| 1 (least deprived) | 20712 (20.6) | 4052 (19.6) | 4210 (20.3) | 4279 (20.7) |
| 2 | 26874 (26.7) | 5316 (19.8) | 5419 (20.2) | 5403 (20.1) |
| 3 | 13582 (13.5) | 2712 (20.0) | 2743 (20.2) | 2630 (19.4) |
| 4 | 19362 (19.3) | 3764 (19.4) | 3851 (19.9) | 3833 (19.8) |
| 5 (most deprived) | 18657 (18.6) | 3734 (20.0) | 3781 (20.3) | 3746 (20.1) |
| *Missing* | 1388 (1.4) | 277 (20.0) | 280 (20.2) | 278 (20.0) |
|  |  |  |  |  |
| **Blood pressure** |  |  |  |  |
| Normal | 51911 (51.6) | 10243 (19.7) | 10388 (20.0) | 10488 (20.2) |
| Elevated | 5242 (5.2) | 1023 (19.5) | 1062 (20.3) | 1001 (19.1) |
| High Stage 1 | 19217 (19.1) | 3780 (19.7) | 3876 (20.2) | 3818 (19.9) |
| High Stage 2 | 24205 (24.1) | 4809 (19.9) | 4958 (20.5) | 4862 (20.1) |
| *Missing* | 0 (0.0) | 0 ( .) | 0 ( .) | 0 ( .) |
|  |  |  |  |  |
| High bp or diagnosed hypertension | 54851 (54.5) | 10812 (19.7) | 11137 (20.3) | 10972 (20.0) |
|  |  |  |  |  |
| ***Comorbidities*** |  |  |  |  |
| **Respiratory disease ex asthma** |  |  |  |  |
| Present | 657 (0.7) | 136 (20.7) | 142 (21.6) | 122 (18.6) |
| Absent | 99918 (99.3) | 19719 (19.7) | 20142 (20.2) | 20047 (20.1) |
| **Asthma\*** |  |  |  |  |
| Present+recent ocs | 10003 (9.9) | 1895 (18.9) | 2029 (20.3) | 1999 (20.0) |
| Present, no recent ocs | 9922 (9.9) | 1943 (19.6) | 2008 (20.2) | 1989 (20.0) |
| Absent | 80650 (80.2) | 16017 (19.9) | 16247 (20.1) | 16181 (20.1) |
| **Chronic heart disease** |  |  |  |  |
| Present | 22271 (22.1) | 4472 (20.1) | 4531 (20.3) | 4428 (19.9) |
| Absent | 78304 (77.9) | 15383 (19.6) | 15753 (20.1) | 15741 (20.1) |
| **Diabetes\*\*** |  |  |  |  |
| Present, HbA1c>7.5% | 5384 (5.4) | 1057 (19.6) | 1042 (19.4) | 1047 (19.4) |
| Present, HbA1c<7.5% | 6321 (6.3) | 1283 (20.3) | 1303 (20.6) | 1229 (19.4) |
| Present, no HbA1c | 16174 (16.1) | 3223 (19.9) | 3271 (20.2) | 3226 (19.9) |
| Absent | 72696 (72.3) | 14292 (19.7) | 14668 (20.2) | 14667 (20.2) |
| **Cancer (non-haematological)** |  |  |  |  |
| < 1 year ago | 10301 (10.2) | 2008 (19.5) | 2070 (20.1) | 2052 (19.9) |
| 1-4.9 years ago | 10006 (9.9) | 1965 (19.6) | 1972 (19.7) | 2047 (20.5) |
| ≥5 years ago | 8468 (8.4) | 1741 (20.6) | 1735 (20.5) | 1725 (20.4) |
| Never | 71800 (71.4) | 14141 (19.7) | 14507 (20.2) | 14345 (20.0) |
| **Haematological malignancy** |  |  |  |  |
| < 1 year ago | 10081 (10.0) | 2019 (20.0) | 2048 (20.3) | 2016 (20.0) |
| 1-4.9 years ago | 10077 (10.0) | 1981 (19.7) | 2067 (20.5) | 2117 (21.0) |
| ≥5 years ago | 8030 (8.0) | 1622 (20.2) | 1687 (21.0) | 1573 (19.6) |
| Never | 72387 (72.0) | 14233 (19.7) | 14482 (20.0) | 14463 (20.0) |
| **Liver disease** |  |  |  |  |
| Present | 10061 (10.0) | 2011 (20.0) | 2068 (20.6) | 1976 (19.6) |
| Absent | 90514 (90.0) | 17844 (19.7) | 18216 (20.1) | 18193 (20.1) |
| **Stroke/dementia** |  |  |  |  |
| Present | 10427 (10.4) | 2094 (20.1) | 2144 (20.6) | 2059 (19.7) |
| Absent | 90148 (89.6) | 17761 (19.7) | 18140 (20.1) | 18110 (20.1) |
| **Other neurology dis** |  |  |  |  |
| Present | 280 (0.3) | 46 (16.4) | 55 (19.6) | 55 (19.6) |
| Absent | 100295 (99.7) | 19809 (19.8) | 20229 (20.2) | 20114 (20.1) |
| **Kidney disease** |  |  |  |  |
| Present | 10137 (10.1) | 2023 (20.0) | 2066 (20.4) | 2050 (20.2) |
| Absent | 90438 (89.9) | 17832 (19.7) | 18218 (20.1) | 18119 (20.0) |
| **Organ transplant** |  |  |  |  |
| Present | 4994 (5.0) | 976 (19.5) | 1025 (20.5) | 997 (20.0) |
| Absent | 95581 (95.0) | 18879 (19.8) | 19259 (20.1) | 19172 (20.1) |
| **Spleen diseases** |  |  |  |  |
| Present | 10040 (10.0) | 2026 (20.2) | 1992 (19.8) | 1986 (19.8) |
| Absent | 90535 (90.0) | 17829 (19.7) | 18292 (20.2) | 18183 (20.1) |
| **Rheumatoid/Lupus/ Psoriasis** |  |  |  |  |
| Present | 651 (0.6) | 110 (16.9) | 135 (20.7) | 126 (19.4) |
| Absent | 99924 (99.4) | 19745 (19.8) | 20149 (20.2) | 20043 (20.1) |
| **Other immunosuppressive condition** |  |  |  |  |
| Present | 9999 (9.9) | 1979 (19.8) | 2009 (20.1) | 2042 (20.4) |
| Absent | 90576 (90.1) | 17876 (19.7) | 18275 (20.2) | 18127 (20.0) |

*GREY HIGHLIGHT = DUMMY DATA - NOT REAL, \* ocs = oral corticosteroid use, recent defined as <1 year before baseline, \*\* classification by HbA1c based on measures within 15 months before baseline*