**Table 1: Baseline characteristics of people included in OpenSAFELY by household size**

|  |  |  | **Number of people in household** | | | |
| --- | --- | --- | --- | --- | --- | --- |
| **Variable – n(%)** *unless specified* | **Total**  (N=15293603) |  | 2-3 | 4-5 | 6-7 | 8-10 |
| **Male sex\*** | 7631239 (49.9) |  | 4110612 (48.9) | 2680620 (50.8) | 624240 (51.7) | 215767 (53.0) |
| **Age (year)\*** |  |  |  |  |  |  |
| Mean (SD) | 38.6 (22.8) |  | 46.7 (22.7) | 29.2 (18.8) | 27.4 (18.7) | 28.0 (18.6) |
| Median(IQR)) | 38.0 (19.0-56.0) |  | 50.0 (29.0-65.0) | 28.0 (12.0-44.0) | 24.0 (12.0-40.0) | 26.0 (12.0-40.0) |
| **Age (categorised)** |  |  |  |  |  |  |
| 0-4 | 778970 (5.1) |  | 296395 (3.5) | 366244 (6.9) | 86676 (7.2) | 29655 (7.3) |
| 5-9 | 1146716 (7.5) |  | 329952 (3.9) | 621348 (11.8) | 149286 (12.4) | 46130 (11.3) |
| 10-14 | 1112137 (7.3) |  | 306686 (3.7) | 599829 (11.4) | 158048 (13.1) | 47574 (11.7) |
| 15-19 | 929984 (6.1) |  | 310706 (3.7) | 460916 (8.7) | 121165 (10.0) | 37197 (9.1) |
| 20-29 | 1813913 (11.9) |  | 912744 (10.9) | 662638 (12.6) | 172346 (14.3) | 66185 (16.2) |
| 30-39 | 2196657 (14.4) |  | 1069799 (12.7) | 854382 (16.2) | 197824 (16.4) | 74652 (18.3) |
| 40-49 | 2033756 (13.3) |  | 946669 (11.3) | 874465 (16.6) | 160697 (13.3) | 51925 (12.7) |
| 50-59 | 2034623 (13.3) |  | 1363954 (16.2) | 552838 (10.5) | 89062 (7.4) | 28769 (7.1) |
| 60-69 | 1570229 (10.3) |  | 1319964 (15.7) | 191018 (3.6) | 43878 (3.6) | 15369 (3.8) |
| 70-79 | 1193404 (7.8) |  | 1100104 (13.1) | 67990 (1.3) | 19324 (1.6) | 5986 (1.5) |
| 80-89 | 432324 (2.8) |  | 399136 (4.8) | 22918 (0.4) | 7308 (0.6) | 2962 (0.7) |
| 90+ | 50890 (0.3) |  | 44303 (0.5) | 4254 (0.1) | 1439 (0.1) | 894 (0.2) |
| **Ethnicity** |  |  |  |  |  |  |
| White | 9153730 (59.9) |  | 5470150 (65.1) | 2976370 (56.4) | 549438 (45.5) | 157772 (38.7) |
| South Asian | 1009000 (6.6) |  | 289449 (3.4) | 409056 (7.7) | 210095 (17.4) | 100400 (24.7) |
| Black | 325223 (2.1) |  | 123841 (1.5) | 123241 (2.3) | 54731 (4.5) | 23410 (5.7) |
| Mixed | 202791 (1.3) |  | 86879 (1.0) | 81954 (1.6) | 24787 (2.1) | 9171 (2.3) |
| Other | 267778 (1.8) |  | 112273 (1.3) | 99367 (1.9) | 38268 (3.2) | 17870 (4.4) |
| **BMI** |  |  |  |  |  |  |
| Underweight | 192496 (1.3) |  | 112001 (1.3) | 58345 (1.1) | 15888 (1.3) | 6262 (1.5) |
| Normal | 3173716 (20.8) |  | 2004410 (23.9) | 912988 (17.3) | 186785 (15.5) | 69533 (17.1) |
| Overweight | 3170101 (20.7) |  | 2105820 (25.1) | 836859 (15.9) | 169222 (14.0) | 58200 (14.3) |
| Obese I | 1618158 (10.6) |  | 1079254 (12.8) | 420091 (8.0) | 89572 (7.4) | 29241 (7.2) |
| Obese II | 628494 (4.1) |  | 413190 (4.9) | 167478 (3.2) | 36703 (3.0) | 11123 (2.7) |
| Obese III | 317893 (2.1) |  | 206345 (2.5) | 87402 (1.7) | 18651 (1.5) | 5495 (1.3) |
| **Smoking status** |  |  |  |  |  |  |
| Never | 6007595 (39.3) |  | 3455452 (41.1) | 1957094 (37.1) | 435657 (36.1) | 159392 (39.1) |
| Former | 3780281 (24.7) |  | 2648296 (31.5) | 929834 (17.6) | 157530 (13.1) | 44621 (11.0) |
| Current | 1965647 (12.9) |  | 1146962 (13.7) | 601017 (11.4) | 161099 (13.3) | 56569 (13.9) |
| Unknown | 3540080 (23.1) |  | 1149702 (13.7) | 1790895 (33.9) | 452767 (37.5) | 146716 (36.0) |
| **Index of Multiple Deprivation** |  |  |  |  |  |  |
| 1 - least deprived | 3109698 (20.3) |  | 1828590 (21.8) | 1113176 (21.1) | 135702 (11.2) | 32230 (7.9) |
| 2 | 3078466 (20.1) |  | 1820385 (21.7) | 1039591 (19.7) | 171309 (14.2) | 47181 (11.6) |
| 3 | 3043362 (19.9) |  | 1733458 (20.6) | 1016268 (19.3) | 220287 (18.2) | 73349 (18.0) |
| 4 | 3044165 (19.9) |  | 1593065 (19.0) | 1040468 (19.7) | 298875 (24.8) | 111757 (27.4) |
| 5 - most deprived | 2874812 (18.8) |  | 1339854 (15.9) | 1017850 (19.3) | 375303 (31.1) | 141805 (34.8) |
| **Region of England** |  |  |  |  |  |  |
| East | 3664196 (24.0) |  | 1956627 (23.3) | 1330909 (25.2) | 285946 (23.7) | 90714 (22.3) |
| East Midlands | 2782374 (18.2) |  | 1543735 (18.4) | 956181 (18.1) | 214468 (17.8) | 67990 (16.7) |
| London | 1008409 (6.6) |  | 439848 (5.2) | 350926 (6.6) | 139961 (11.6) | 77674 (19.1) |
| North East | 719267 (4.7) |  | 412324 (4.9) | 242389 (4.6) | 49089 (4.1) | 15465 (3.8) |
| North West | 1343887 (8.8) |  | 805474 (9.6) | 439120 (8.3) | 78813 (6.5) | 20480 (5.0) |
| South East | 997211 (6.5) |  | 574143 (6.8) | 339100 (6.4) | 66618 (5.5) | 17350 (4.3) |
| South West | 2010709 (13.1) |  | 1215376 (14.5) | 658582 (12.5) | 111014 (9.2) | 25737 (6.3) |
| West Midlands | 617770 (4.0) |  | 294686 (3.5) | 225341 (4.3) | 71828 (6.0) | 25915 (6.4) |
| Yorkshire and the Humber | 2146946 (14.0) |  | 1157031 (13.8) | 735184 (13.9) | 188861 (15.6) | 65870 (16.2) |
| **Rural-urban** |  |  |  |  |  |  |
| Urban major conurbation | 3121887 (20.4) |  | 1472866 (17.5) | 1112121 (21.1) | 372490 (30.9) | 164410 (40.4) |
| Urban minor conurbation | 963974 (6.3) |  | 542167 (6.5) | 329770 (6.2) | 70538 (5.8) | 21499 (5.3) |
| Urban city and town | 7921368 (51.8) |  | 4356135 (51.9) | 2765120 (52.4) | 610225 (50.6) | 189888 (46.6) |
| Urban city and town in a sparse setting | 23549 (0.2) |  | 15282 (0.2) | 6538 (0.1) | 1443 (0.1) | 286 (0.1) |
| Rural town and fringe | 1710744 (11.2) |  | 1038079 (12.4) | 574517 (10.9) | 82267 (6.8) | 15881 (3.9) |
| Rural town and fringe in a sparse setting | 69362 (0.5) |  | 45307 (0.5) | 20082 (0.4) | 3307 (0.3) | 666 (0.2) |
| Rural village and dispersed | 1248169 (8.2) |  | 783457 (9.3) | 394928 (7.5) | 57029 (4.7) | 12755 (3.1) |
| Rural village and dispersed in a sparse setting | 91526 (0.6) |  | 62114 (0.7) | 24293 (0.5) | 4181 (0.3) | 938 (0.2) |
| **Existing comorbidities** |  |  |  |  |  |  |
| Chronic respiratory disease | 418055 (2.7) |  | 343676 (4.1) | 57367 (1.1) | 13056 (1.1) | 3956 (1.0) |
| Chronic cardiac disease | 727641 (4.8) |  | 587716 (7.0) | 105148 (2.0) | 25872 (2.1) | 8905 (2.2) |
| Diagnosed hypertension | 2261143 (14.8) |  | 1809676 (21.5) | 346503 (6.6) | 78218 (6.5) | 26746 (6.6) |
| Diabetes | 1076726 (7.0) |  | 778212 (9.3) | 21169 (4.0) | 62443 (5.2) | 24902 (6.1) |
| Chronic liver disease | 62054 (0.4) |  | 44723 (0.5) | 12553 (0.2) | 3425 (0.3) | 1353 (0.3) |
| Cancer | 601965 (3.9) |  | 503736 (6.0) | 80274 (1.5) | 14029 (1.2) | 3926 (1.0) |
| Stroke, dementia or other neurological disease | 319408 (2.1) |  | 255850 (3.0) | 47924 (0.9) | 11358 (0.9) | 4276 (1.0) |
| Immunosuppression or autoimmune disease | 664709 (4.3) |  | 452981 (5.4) | 169837 (3.2) | 32474 (2.7) | 9417 (2.3) |