

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

Variable – n(%) <i>unless specified</i>	Total (N=15293603)	Number of people in household			
		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)

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		2-3	4-5	6-7	8-10
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)

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		2-3	4-5	6-7	8-10
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)

