

Obesity prevalence and its inequality from childhood to adolescence

Initial findings from the Millennium Cohort Study Age 17 Survey

Appendix

TABLE 1: UK90 CLASSIFICATION

Age	Overall			
	Underweight	Normal weight	Overweight	Obese
	N (%)			
3	208 (2.4%)	6734 (76.8%)	1026 (11.7%)	800 (9.1%)
5	81 (0.8%)	7306 (74.8%)	1369 (14.0%)	1005 (10.3%)
7	97 (1.1%)	6847 (75.1%)	1098 (12.1%)	1072 (11.8%)
11	144 (1.5%)	6065 (63.8%)	1405 (14.8%)	1889 (19.9%)
14	160 (1.7%)	5769 (63.0%)	1333 (14.6%)	1894 (20.7%)
17	167 (1.9%)	5401 (62.4%)	1240 (14.3%)	1854 (21.4%)

By sex

Age	Female			
	Underweight	Normal weight	Overweight	Obese
	N (%)			
3	105 (2.3%)	3554 (78.6%)	457 (10.1%)	403 (8.9%)
5	28 (0.6%)	3854 (77.3%)	636 (12.8%)	469 (9.4%)
7	46 (1.0%)	3510 (75.9%)	567 (12.3%)	503 (10.9%)
11	94 (2.0%)	3048 (64.8%)	681 (14.5%)	882 (18.7%)
14	49 (1.1%)	2747 (62.6%)	712 (16.2%)	881 (20.1%)
17	54 (1.3%)	2635 (62.7%)	648 (15.4%)	868 (20.6%)

Age	Male			
	Underweight	Normal weight	Overweight	Obese
	N (%)			
3	103 (2.4%)	3179 (74.8%)	569 (13.4%)	397 (9.3%)
5	53 (1.1%)	3453 (72.3%)	733 (15.3%)	536 (11.2%)
7	51 (1.1%)	3337 (74.3%)	531 (11.8%)	570 (12.7%)
11	50 (1.0%)	3016 (62.9%)	724 (15.1%)	1008 (21.0%)
14	111 (2.3%)	3023 (63.4%)	621 (13.0%)	1013 (21.3%)
17	113 (2.5%)	2765 (62.1%)	592 (13.3%)	986 (22.1%)

By income quintile

Income quintile 1 (lowest)				
	Underweight	Normal weight	Overweight	Obese
Age	N (%)			
3	33 (2.9%)	884 (77.4%)	117 (10.3%)	108 (9.4%)
5	13 (1.0%)	955 (74.3%)	184 (14.3%)	133 (10.4%)
7	18 (1.3%)	980 (73.2%)	156 (11.6%)	185 (13.8%)
11	23 (1.4%)	1029 (60.6%)	228 (13.4%)	419 (24.6%)
14	36 (2.0%)	1021 (57.6%)	264 (14.9%)	452 (25.5%)
17	46 (3.0%)	801 (53.4%)	241 (16.0%)	414 (27.6%)

Income quintile 2				
	Underweight	Normal weight	Overweight	Obese
Age	N (%)			
3	48 (3.7%)	970 (74.3%)	158 (12.1%)	130 (10.0%)
5	17 (1.2%)	1099 (75.1%)	181 (12.4%)	166 (11.3%)
7	28 (1.9%)	1037 (70.9%)	188 (12.9%)	209 (14.3%)
11	30 (1.8%)	1003 (59.4%)	258 (15.3%)	397 (23.5%)
14	26 (1.5%)	1042 (60.1%)	222 (12.8%)	445 (25.7%)
17	30 (2.3%)	748 (57.0%)	156 (11.9%)	379 (28.9%)

Income quintile 3				
	Underweight	Normal weight	Overweight	Obese
Age	N (%)			
3	40 (2.3%)	1376 (78.2%)	183 (10.4%)	160 (9.1%)
5	14 (0.7%)	1423 (72.2%)	321 (16.3%)	211 (10.7%)
7	14 (0.7%)	1375 (74.2%)	244 (13.1%)	222 (12.0%)
11	25 (1.3%)	1142 (61.1%)	292 (15.6%)	411 (22.0%)
14	35 (1.9%)	1091 (59.9%)	297 (16.3%)	399 (21.9%)
17	32 (1.9%)	1027 (61.0%)	229 (13.6%)	396 (23.5%)

Income quintile 4				
	Underweight	Normal weight	Overweight	Obese
Age	N (%)			
3	33 (1.7%)	1506 (75.0%)	260 (13.0%)	208 (10.4%)
5	25 (1.1%)	1633 (73.2%)	334 (15.0%)	238 (10.7%)
7	20 (1.0%)	1492 (74.5%)	245 (12.2%)	248 (12.4%)
11	32 (1.6%)	1242 (63.9%)	325 (16.7%)	344 (17.7%)
14	34 (1.9%)	1163 (64.1%)	286 (15.8%)	332 (18.3%)
17	27 (1.5%)	1166 (64.6%)	266 (14.7%)	345 (19.1%)

Income quintile 5 (highest)				
	Underweight	Normal weight	Overweight	Obese
Age	N (%)			
3	53 (2.1%)	1975 (78.2%)	306 (12.1%)	193 (7.6%)
5	12 (0.4%)	2166 (78.0%)	345 (12.4%)	252 (9.1%)
7	18 (0.7%)	1935 (80.1%)	258 (10.7%)	205 (8.5%)
11	33 (1.5%)	1624 (72.1%)	286 (12.7%)	310 (13.8%)
14	29 (1.5%)	1426 (72.3%)	257 (13.0%)	259 (13.2%)
17	33 (1.4%)	1619 (70.7%)	324 (14.2%)	314 (13.7%)

TABLE 2: IOTF CLASSIFICATION

Age	Overall			
	Underweight	Normal weight	Overweight	Obese
	N (%)			
3	849 (9.6%)	6459 (73.3%)	1138 (12.9%)	365 (4.1%)
5	432 (4.4%)	7364 (75.3%)	1511 (15.5%)	470 (4.8%)
7	565 (6.2%)	6771 (74.2%)	1313 (14.4%)	478 (5.2%)
11	628 (6.6%)	6289 (66.2%)	1991 (21.0%)	596 (6.3%)
14	619 (6.8%)	6046 (66.0%)	1761 (19.2%)	734 (8.0%)
17	795 (9.2%)	5289 (61.2%)	1645 (19.0%)	920 (10.6%)

By sex

Age	Female			
	Underweight	Normal weight	Overweight	Obese
	N (%)			
3	487 (10.7%)	3236 (71.3%)	622 (13.7%)	193 (4.3%)
5	193 (3.9%)	3682 (73.8%)	868 (17.4%)	249 (5.0%)
7	294 (6.4%)	3306 (71.4%)	757 (16.3%)	275 (5.9%)
11	352 (7.5%)	2973 (63.2%)	1080 (23.0%)	301 (6.4%)
14	267 (6.1%)	2877 (65.5%)	892 (20.3%)	355 (8.1%)
17	329 (7.8%)	2564 (61.1%)	846 (20.2%)	458 (10.9%)

Age	Male			
	Underweight	Normal weight	Overweight	Obese
	N (%)			
3	363 (8.5%)	3223 (75.4%)	516 (12.1%)	172 (4.0%)
5	240 (5.0%)	3681 (76.9%)	643 (13.4%)	221 (4.6%)
7	271 (6.0%)	3465 (77.1%)	556 (12.4%)	203 (4.5%)
11	277 (5.8%)	3316 (69.1%)	911 (19.0%)	295 (6.1%)
14	352 (7.4%)	3169 (66.5%)	868 (18.2%)	378 (7.9%)
17	466 (10.5%)	2725 (61.2%)	799 (17.9%)	463 (10.4%)

By income quintile

Age	Income quintile 1 (lowest)			
	Underweight	Normal weight	Overweight	Obese
	N (%)			
3	125 (10.9%)	839 (73.0%)	120 (10.5%)	65 (5.6%)
5	77 (6.0%)	942 (73.2%)	195 (15.1%)	73 (5.7%)
7	98 (7.4%)	942 (70.4%)	200 (14.9%)	98 (7.3%)
11	118 (6.9%)	1050 (61.8%)	386 (22.7%)	145 (8.6%)
14	111 (6.3%)	1095 (61.7%)	373 (21.0%)	196 (11.1%)
17	127 (8.5%)	835 (55.9%)	257 (17.2%)	276 (18.5%)

Income quintile 2				
	Underweight	Normal weight	Overweight	Obese
Age	N (%)			
3	150 (11.4%)	926 (70.4%)	177 (13.4%)	63 (4.8%)
5	76 (5.2%)	1102 (75.1%)	204 (13.9%)	85 (5.8%)
7	109 (7.4%)	1021 (69.7%)	240 (16.4%)	96 (6.5%)
11	131 (7.7%)	1025 (60.7%)	395 (23.4%)	137 (8.1%)
14	126 (7.3%)	1052 (60.6%)	366 (21.1%)	190 (11.0%)
17	111 (8.5%)	715 (54.6%)	292 (22.3%)	191 (14.6%)

Income quintile 3				
	Underweight	Normal weight	Overweight	Obese
Age	N (%)			
3	181 (10.2%)	1305 (73.8%)	217 (12.3%)	66 (3.7%)
5	78 (3.9%)	1437 (72.9%)	361 (18.3%)	95 (4.8%)
7	107 (5.8%)	1370 (73.8%)	286 (15.4%)	93 (5.0%)
11	102 (5.4%)	1213 (64.9%)	430 (23.0%)	126 (6.7%)
14	127 (7.0%)	1146 (62.9%)	394 (21.6%)	155 (8.5%)
17	199 (11.8%)	949 (56.4%)	364 (21.7%)	170 (10.1%)

Income quintile 4				
	Underweight	Normal weight	Overweight	Obese
Age	N (%)			
3	165 (8.2%)	1468 (72.8%)	295 (14.6%)	88 (4.4%)
5	88 (3.9%)	1657 (74.2%)	378 (16.9%)	111 (5.0%)
7	106 (5.3%)	1492 (74.3%)	306 (15.3%)	102 (5.1%)
11	107 (5.5%)	1329 (68.4%)	396 (20.4%)	111 (5.7%)
14	100 (5.5%)	1265 (69.8%)	332 (18.3%)	116 (6.4%)
17	146 (8.1%)	1162 (64.5%)	334 (18.5%)	161 (8.9%)

Income quintile 5 (highest)				
	Underweight	Normal weight	Overweight	Obese
Age	N (%)			
3	227 (8.9%)	1898 (74.9%)	329 (13.0%)	81 (3.2%)
5	114 (4.1%)	2195 (79.0%)	367 (13.2%)	103 (3.7%)
7	144 (5.9%)	1917 (79.2%)	274 (11.3%)	87 (3.6%)
11	168 (7.5%)	1640 (72.7%)	371 (16.5%)	76 (3.4%)
14	151 (7.7%)	1456 (73.9%)	289 (14.6%)	75 (3.8%)
17	207 (9.1%)	1570 (68.6%)	392 (17.1%)	119 (5.2%)