Supplementary Material File 3: Mean levels of adiposity and physical activity by participant characteristics

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|   |   | Mean/Geometric mean\* levels adiposity and physical activity (95% confidence intervals) |
|   | n | BMI (kg/m2)\*  | Fat mass %  | Daily steps† | Daily minutes of MVPA†  | Daily minutes of MVPA in ≥10 minute bouts† |
| **Sex**  |  |   |   |   |   |   |   |   |   |   |   |
| Male | 522 | 25.4 | (25.0, 25.8) | 20.4 | (19.7, 21.0) | 9279 | (8991, 9568) | 64.8 | (62.6, 67.1) | 22.8 | (21.1, 24.4) |
| Female  | 718 | 25.1 | (24.8, 25.5) | 31.5 | (30.9, 32.0) | 8709 | (8464, 8954) | 55.6 | (53.6, 57.5) | 18.7 | (17.3, 20.1) |
| **Age group** |  |   |  |   |   |  |  |   |   |   |   |
| Age 16-24 | 269 | 23.5 | (23.0, 24.0) | 23.0 | (22.1, 23.9) | 8534 | (8136, 8932) | 57.0 | (53.9, 60.2) | 20.5 | (18.2, 22.8) |
| Age 25-34 | 531 | 25.0 | (24.6, 25.3) | 26.2 | (25.5, 26.8) | 9035 | (8744, 9326) | 61.1 | (58.8, 63.3) | 21.4 | (19.7, 23.1) |
| Age 35-49 | 358 | 26.6 | (26.1, 27.1) | 29.3 | (28.5, 30.1) | 9232 | (8879, 9585) | 60.9 | (58.1, 63.6) | 19.4 | (17.3, 21.4) |
| Age 50+ | 82 | 27.6 | (26.6, 28.7) | 32.2 | (30.5, 33.8) | 8525 | (7800, 9249) | 51.1 | (45.4, 56.7) | 18.4 | (14.2, 22.7) |
| **Ethnic group** |  |   |  |   |   |  |  |   |   |   |   |
| White | 595 | 24.9 | (24.5, 25.2) | 25.8 | (25.1, 26.4) | 9491 | (9203, 9779) | 63.6 | (61.3, 65.8) | 23.7 | (22.0, 25.4) |
| Black  | 314 | 26.4 | (25.8, 27.0) | 29.4 | (28.5, 30.3) | 8375 | (7961, 8789) | 56.2 | (52.9, 59.4) | 17.1 | (14.7, 19.6) |
| Asian | 210 | 24.8 | (24.2, 25.4) | 25.8 | (24.8, 26.8) | 8082 | (7608, 8556) | 52.1 | (48.4, 55.8) | 15.6 | (12.8, 18.4) |
| Other/Mixed | 121 | 25.2 | (24.4, 26.0) | 26.8 | (25.5, 28.1) | 9060 | (8465, 9656) | 59.0 | (54.3, 63.7) | 19.8 | (16.3, 23.3) |
| **Longstanding limiting illness** |   |  |   |   |  |  |   |   |   |   |
| No  | 1087 | 25.1 | (24.9, 25.4) | 26.6 | (26.1, 27.0) | 9077 | (8877, 9277) | 60.1 | (58.6, 61.7) | 20.8 | (19.6, 21.9) |
| Yes | 153 | 26.2 | (25.5, 27.0) | 28.2 | (27.0, 29.4) | 7996 | (7447, 8545) | 54.4 | (50.1, 58.7) | 18.0 | (14.8, 21.1) |
| **Housing sector** |   |  |   |   |  |  |   |   |   |   |
| Social  | 512 | 26.0 | (25.6, 26.5) | 28.4 | (27.6, 29.1) | 8298 | (7953, 8642) | 54.6 | (51.8, 57.3) | 16.0 | (14.0, 18.1) |
| Intermediate  | 503 | 24.8 | (24.4, 25.2) | 25.7 | (25.0, 26.4) | 9422 | (9110, 9735) | 62.1 | (59.6, 64.5) | 22.5 | (20.6, 24.4) |
| Market-rent  | 225 | 24.6 | (24.0, 25.2) | 25.5 | (24.5, 26.5) | 9318 | (8863, 9773) | 64.3 | (60.8, 67.9) | 25.3 | (22.6, 28.1) |

Geometric means are presented for BMI

All means/geometric means are adjusted for sex, age group, ethnic group, limiting longstanding illness, housing sector and a random effect to allow for clustering at household level.

† Data missing for 133 participants for average daily steps, MVPA and MVPA in bouts