## Distribution of participant characteristics by Quartile of Moderate Vigorous Physical Activity

| **Characteristic** | **N = 90,258** |
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| Follow\_up time, Median | 96.4 |
| Two Years Stroke Survival, n (%) | 89,943 (100) |
| Two Years MI Survival, n (%) | 89,612 (99) |
| MVPA min/week, Median | 464.1 |
| MVPA min/week Machine Learning, Median | 234.1 |
| MVPA min/week Activity Count, Median | 585.9 |
| Myocardial Infarction, n (%) | 2,017 (2.2) |
| Stroke, n (%) | 1,284 (1.4) |
| Age, Median | 63.2 |
| Race, n (%) |  |
| Nonwhite | 2,680 (3.0) |
| White | 87,578 (97) |
| Sex, n (%) |  |
| Female | 51,733 (57) |
| Male | 38,525 (43) |
| Education, n (%) |  |
| None of the above | 7,120 (10) |
| O levels/GCSEs or equivalent, CSEs or equivalent | 22,117 (32) |
| A levels/AS, NVQ/HND/HNC or equivalent | 0 (0) |
| College or University degree | 39,700 (58) |
| Unknown | 21,321 |
| Household Income, n (%) |  |
| Less than 18,000 | 11,586 (13) |
| 18,000 to 30,999 | 19,663 (22) |
| 31,000 to 51,999 | 23,668 (26) |
| 52,000 to 100,000 | 20,901 (23) |
| Greater than 100,000 | 6,074 (6.7) |
| Do not know/Prefer not to answer | 8,366 (9.3) |
| Deprivation index, n (%) |  |
| Quarter 1 | 22,421 (25) |
| Quarter 2 | 22,680 (25) |
| Quarter 3 | 22,554 (25) |
| Quarter 4 | 22,603 (25) |
| BMI, n (%) |  |
| Underweight (< 18.5 kg/m2) | 513 (0.6) |
| Normal (18.5 kg/m2 to < 25 kg/m2) | 35,546 (39) |
| Overweight (25 kg/m2 to < 30 kg/m2) | 37,147 (41) |
| Obesity Class I, II or III (> 30 kg/m2) | 17,052 (19) |
| diabetes, n (%) | 87,401 (97) |
| depression, n (%) |  |
| Currently Depressed | 18,206 (21) |
| Not Currently Depressed | 69,526 (79) |
| Unknown | 2,526 |
| Smoking, n (%) |  |
| Never | 52,105 (58) |
| Previous | 32,075 (36) |
| Current | 6,078 (6.7) |
| Alcohol, n (%) |  |
| Never | 4,961 (5.5) |
| Less than once a week | 18,247 (20) |
| Once or twice a week | 22,703 (25) |
| Three or four times a week | 23,634 (26) |
| Daily or almost daily | 20,713 (23) |
| Processed meat, n (%) |  |
| Less than 2 times a week | 64,281 (71) |
| 2-4 times a week | 22,781 (25) |
| More than 4 times a week | 3,196 (3.5) |
| Red meat, n (%) |  |
| Less than 2 times a week | 16,297 (18) |
| 2-4 times a week | 30,604 (34) |
| More than 4 times a week | 43,357 (48) |
| Oily fish, n (%) |  |
| Less than 2 times a week | 74,546 (83) |
| 2-4 times a week | 14,991 (17) |
| More than 4 times a week | 721 (0.8) |
| Non-oily fish, n (%) |  |
| Less than 2 times a week | 76,549 (85) |
| 2-4 times a week | 13,285 (15) |
| More than 4 times a week | 424 (0.5) |
| Fresh fruit, n (%) |  |
| Less than 2 servings a day | 29,461 (33) |
| Between 2 and 4 servings a day | 54,052 (60) |
| More than 4 servings a day | 6,745 (7.5) |
| Cooked vegetables, n (%) |  |
| Less than 2 servings a day | 15,370 (17) |
| Between 2 and 4 servings a day | 66,477 (74) |
| More than 4 servings a day | 8,411 (9.3) |
| Greenspace 300m from residence, Median | 0.1 |
| Unknown | 10,099 |
| Water 300m from residence, Median | 29.8 |
| Unknown | 10,099 |
| Natural env. 300m from residence, Median | 19.4 |
| Unknown | 760 |