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

| **Characteristic** | **N = 80,159** |
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| Follow\_up time, Median | 96.2 |
| Two Years Stroke Survival, n (%) | 79,875 (100) |
| Two Years MI Survival, n (%) | 79,587 (99) |
| MVPA min/week, Median | 462.8 |
| MVPA min/week Machine Learning, Median | 233.4 |
| MVPA min/week Activity Count, Median | 583.7 |
| Myocardial Infarction, n (%) | 1,803 (2.2) |
| Stroke, n (%) | 1,165 (1.5) |
| Age, Median | 63.3 |
| Race, n (%) |  |
| Nonwhite | 2,548 (3.2) |
| White | 77,611 (97) |
| Sex, n (%) |  |
| Female | 45,997 (57) |
| Male | 34,162 (43) |
| Education, n (%) |  |
| None of the above | 6,334 (10) |
| O levels/GCSEs or equivalent, CSEs or equivalent | 20,167 (33) |
| A levels/AS, NVQ/HND/HNC or equivalent | 0 (0) |
| College or University degree | 34,734 (57) |
| Unknown | 18,924 |
| Household Income, n (%) |  |
| Less than 18,000 | 10,422 (13) |
| 18,000 to 30,999 | 17,530 (22) |
| 31,000 to 51,999 | 20,859 (26) |
| 52,000 to 100,000 | 18,425 (23) |
| Greater than 100,000 | 5,382 (6.7) |
| Do not know/Prefer not to answer | 7,541 (9.4) |
| Deprivation index, n (%) |  |
| Quarter 1 | 19,638 (24) |
| Quarter 2 | 20,123 (25) |
| Quarter 3 | 20,150 (25) |
| Quarter 4 | 20,248 (25) |
| Smoking, n (%) |  |
| Never | 46,045 (57) |
| Previous | 28,749 (36) |
| Current | 5,365 (6.7) |
| Alcohol, n (%) |  |
| Never | 4,409 (5.5) |
| Less than once a week | 16,273 (20) |
| Once or twice a week | 20,013 (25) |
| Three or four times a week | 20,910 (26) |
| Daily or almost daily | 18,554 (23) |
| Processed meat, n (%) |  |
| Less than 2 times a week | 56,793 (71) |
| 2-4 times a week | 20,493 (26) |
| More than 4 times a week | 2,873 (3.6) |
| Red meat, n (%) |  |
| Less than 2 times a week | 14,396 (18) |
| 2-4 times a week | 27,580 (34) |
| More than 4 times a week | 38,183 (48) |
| Oily fish, n (%) |  |
| Less than 2 times a week | 66,031 (82) |
| 2-4 times a week | 13,468 (17) |
| More than 4 times a week | 660 (0.8) |
| Non-oily fish, n (%) |  |
| Less than 2 times a week | 67,935 (85) |
| 2-4 times a week | 11,841 (15) |
| More than 4 times a week | 383 (0.5) |
| Fresh fruit, n (%) |  |
| Less than 2 servings a day | 26,363 (33) |
| Between 2 and 4 servings a day | 47,854 (60) |
| More than 4 servings a day | 5,942 (7.4) |
| Cooked vegetables, n (%) |  |
| Less than 2 servings a day | 13,276 (17) |
| Between 2 and 4 servings a day | 59,267 (74) |
| More than 4 servings a day | 7,616 (9.5) |
| Greenspace 300m from residence, Median | 0.1 |
| Water 300m from residence, Median | 29.8 |
| Natural env. 300m from residence, Median | 19.9 |