|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  |  |  | **Main models - controlling for batch, sample missingness, sex, age, age2, and first 20 principle components** | | | **Models also controlling for sociodemographic covariates (income, educational attainment, college, urban, TDI, religiosity, breastfed)** | | |
| **Category** | **Trait** | **df** | **Beta** | **SE** | **p** | **Beta** | **SE** | **p** |
| **Quantitative Traits (linear regression)** | | | | | | | | |
| Sociodemographic | **income** | 289767 | -1.835 | 0.524 | 4.66E-04 |  |  |  |
| Sociodemographic | years of education | 332807 | -0.321 | 0.504 | 0.524 |  |  |  |
| Sociodemographic | Townsend Deprivation Index | 335759 | -0.913 | 0.508 | 0.072 |  |  |  |
| biometric | basal metabolic rate | 330293 | -0.929 | 0.510 | 0.068 | -0.591 | 0.672 | 0.379 |
| biometric | birth weight | 191544 | -0.950 | 0.698 | 0.173 | -1.197 | 0.795 | 0.132 |
| biometric | body mass index | 335040 | -0.537 | 0.513 | 0.295 | -0.472 | 0.664 | 0.477 |
| biometric | body fat percentage | 330106 | -0.462 | 0.511 | 0.367 | -0.185 | 0.665 | 0.780 |
| biometric | diastolic BP | 316483 | 0.879 | 0.531 | 0.098 | 1.358 | 0.692 | 0.050 |
| biometric | systolic BP | 315721 | 0.843 | 0.507 | 0.096 | 0.479 | 0.652 | 0.462 |
| biometric | **forced expiratory volume in 1 second (FEV1)\*** | 253192 | -2.647 | 0.538 | 8.61E-07 | -2.446 | 0.689 | 3.89E-04 |
| biometric | FEV1/FVC | 253192 | -0.775 | 0.596 | 0.193 | 0.296 | 0.757 | 0.696 |
| biometric | **height** | 335406 | -1.917 | 0.501 | 1.29E-04 | -1.277 | 0.648 | 0.049 |
| biometric | **grip strength** | 335404 | -1.851 | 0.493 | 1.72E-04 | -1.266 | 0.643 | 0.049 |
| biometric | waist to hip ratio | 335468 | -1.398 | 0.505 | 0.006 | -1.501 | 0.652 | 0.021 |
| health- and fitness-related | **age at first sexual intercourse\*** | 294916 | 4.313 | 0.558 | 1.06E-14 | 3.071 | 0.673 | 5.08E-06 |
| health- and fitness-related | **fluid intelligence\*** | 122547 | -3.448 | 0.832 | 3.43E-05 | -3.388 | 0.969 | 4.72E-04 |
| health- and fitness-related | neuroticism score | 272861 | -0.449 | 0.570 | 0.431 | -0.171 | 0.723 | 0.813 |
| **Binary Outcomes (logistic regression)** | | | | | | | | |
| Sociodemographic | breastfed as infant | 255113 | -1.852 | 1.389 | 0.182 |  |  |  |
| Sociodemographic | college degree | 336165 | 0.325 | 1.113 | 0.770 |  |  |  |
| Sociodemographic | live in urban area | 332948 | -1.391 | 1.396 | 0.319 |  |  |  |
| Sociodemographic | **religious group attendance** | 336165 | 8.549 | 1.233 | 4.08E-12 |  |  |  |
| health- and fitness-related | diagnosed with diabetes | 335230 | -0.345 | 2.339 | 0.883 | 0.138 | 3.155 | 0.965 |
| health- and fitness-related | ever drink | 335715 | 4.964 | 2.433 | 0.041 | 1.060 | 3.693 | 0.774 |
| health- and fitness-related | ever smoke | 303916 | 1.985 | 1.136 | 0.081 | 1.463 | 1.498 | 0.329 |
| health- and fitness-related | Probable BPD diagnosis | 59626 | 6.551 | 11.572 | 0.571 | 12.796 | 16.515 | 0.438 |
| health- and fitness-related | Probable MDD diagnosis | 80257 | 0.240 | 2.309 | 0.917 | 0.140 | 2.851 | 0.961 |