**Table S5.** Bootstrapping data for the model containing age, BMI, smoking status, resting heart rate, physical activity quintile, and ethnicity\*

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Covariate | Observed Coefficient | 500 replications | | 2000 replications | | 10000 replications | | 20000 replications | | 40000 replications | |
| SE | 95% CI | SE | 95% CI | SE | 95% CI | SE | 95% CI | SE | 95% CI |
| Constant | 77.409 | 4.073 | 69.858, 86.075 | 4.099 | 69.415, 85.493 | 4.074 | 69.339, 85.327 | 4.129 | 69.269, 85.420 | 4.125 | 69.324, 85.482 |
| Age | -0.374 | 0.051 | -0.477, -0.273 | 0.051 | -0.474, -0.273 | 0.053 | -0.473, -0.267 | 0.052 | -0.473, -0.269 | 0.052 | -0.473, -0.269 |
| BMI | -0.906 | 0.081 | -1.071, -0.740 | 0.083 | -1.072, -0.744 | 0.084 | -1.075, -0.742 | 0.085 | -1.076, -0.740 | 0.085 | -1.077, -0.742 |
| Smoking Status  (0 = Never,  1 = Ex or Current) | 0, reference  -1.976 | -  0.839 | -  -3.709, -0.297 | -  0.878 | -  -3.669, -0.230 | -  0.877 | -  -3.733, -0.265 | -  0.883 | -  -3.711, -0.233 | -  0.881 | -  -3.715, -0.261 |
| Physical Activity Quintile (1, 2, 3, 4, 5) | 1, reference  1.127  1.869  3.793  3.029 | -  1.050  1.302  1.170  1.367 | -  -0.896, 3.127  -0.699, 4.415  1.683, 6.267  0.447, 5.852 | -  0.988  1.272  1.220  1.299 | -  -0.820, 3.082  -0.542, 4.525  1.442, 6.308  0.584, 5.641 | -  0.995  1.262  1.200  1.307 | -  -0.806, 3.079  -0.594, 4.369  1.442, 6.212  0.602, 5.720 | -  1.010  1.250  1.210  1.327 | -  -0.816, 3.149  -0.528, 4.391  1.433, 6.211  0.537, 5.737 | -  1.010  1.260  1.205  1.319 | -  -0.822, 3.135  -0.542, 4.413  1.459, 6.186  0.514, 5.694 |
| Resting heart rate | -0.066 | 0.044 | -0.155, 0.023 | 0.044 | -0.152, 0.020 | 0.044 | -0.154, 0.018 | 0.044 | -0.156, 0.017 | 0.044 | -0.156, 0.018 |
| Ethnicity  (0 = South Asian,  1 = White European) | 0, reference  8.032 | -  0.934 | -  6.153, 9.936 | -  0.926 | -  6.195, 9.777 | -  0.929 | -  6.175, 9.818 | -  0.930 | -  6.135, 9.766 | -  0.927 | -  6.165, 9.785 |
| R-Squared | 0.7148 | 0.035 | 0.661, 0.792 | 0.035 | 0.658, 0.793 | 0.036 | 0.654, 0.795 | 0.036 | 0.656, 0.795 | 0.036 | 0.654, 0.795 |
| RMSE | 4.4046 | 0.281 | 3.748, 4.794 | 0.289 | 3.711, 4.836 | 0.285 | 3.713, 4.822 | 0.288 | 3.710, 4.825 | 0.287 | 3.704, 4.825 |

**\*** This model is shown in Table 3 in the manuscript and is referred to as model 4 in the text of the manuscript.