**Supplemental Table 9. Covariates of multiple regression models investigating factors associated to WC Changes**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
|  |  |  |  |  |  |  |  |
| **Antidepressants** | **All Women** | **Underweight** | **Normal Weight** | **Overweight** | **Class I Obesity** | **Class II Obesity** | **Class III Obesity** |
| **Diabetes** | -0.2 - 0.107 | -1.66 - 0.201 | 0.6 - 0.019 | 0.28 - 0.197 | -0.47 - 0.073 | -0.92 - 0.024 | 0.4 - 0.518 |
| **Hypertension** | -0.2 - 0.0001 | 0.58 - 0.281 | -0.05 - 0.574 | -0.16 - 0.094 | -0.27 - 0.073 | 0.09 - 0.738 | 0.02 - 0.97 |
| **High cholesterol** | 0.12 - 0.098 | 0.63 - 0.453 | 0.09 - 0.428 | -0.03 - 0.802 | 0.24 - 0.206 | 0.2 - 0.59 | 0.27 - 0.675 |
| **Physical Activity** | 0.07 - 0.003 | 0.16 - 0.372 | 0.05 - 0.154 | 0 - 0.914 | 0.13 - 0.068 | 0.06 - 0.668 | -0.25 - 0.267 |
| **Sleep Medications** | 0 - 0.975 | 0.16 - 0.742 | -0.02 - 0.842 | -0.04 - 0.7 | -0.01 - 0.971 | -0.08 - 0.793 | 0.38 - 0.453 |
| **Smoking** | 0.13 - 0.004 | -0.05 - 0.856 | 0.07 - 0.247 | 0.16 - 0.026 | 0.1 - 0.398 | 0.21 - 0.376 | 0.43 - 0.246 |
| **Diet** | 0.09 - 0.0001 | -0.17 - 0.382 | -0.04 - 0.238 | 0.17 - 0.0001 | 0.16 - 0.018 | 0.06 - 0.66 | 0.26 - 0.228 |
|  |  |  |  |  |  |  |  |
| **Antipsychotics** | **All Women** | **Underweight** | **Normal Weight** | **Overweight** | **Class I Obesity** | **Class II Obesity** | **Class III Obesity** |
| **Diabetes** | -0.16 - 0.183 | -1.52 - 0.239 | 0.6 - 0.019 | 0.3 - 0.164 | -0.44 - 0.097 | 0.41 - -1.682 | 0.44 - 0.475 |
| **Hypertension** | -0.19 - 0.001 | 0.57 - 0.287 | -0.04 - 0.656 | -0.15 - 0.112 | -0.25 - 0.089 | 0.09 - 0.75 | 0.02 - 0.957 |
| **High cholesterol** | 0.13 - 0.069 | 0.64 - 0.443 | 0.1 - 0.388 | -0.02 - 0.866 | 0.27 - 0.16 | 0.21 - 0.566 | 0.26 - 0.686 |
| **Physical Activity** | 0.06 - 0.011 | 0.16 - 0.374 | 0.04 - 0.227 | 0 - 0.932 | 0.11 - 0.109 | 0.05 - 0.685 | -0.25 - 0.261 |
| **Sleep Medications** | 0.09 - 0.131 | 0.25 - 0.609 | 0.05 - 0.504 | 0.06 - 0.53 | 0.15 - 0.353 | -0.02 - 0.946 | 0.43 - 0.387 |
| **Smoking** | 0.14 - 0.002 | -0.05 - 0.881 | 0.08 - 0.178 | 0.18 - 0.017 | 0.13 - 0.3 | 0.22 - 0.344 | 0.41 - 0.266 |
| **Diet** | 0.09 - 0.0001 | -0.18 - 0.355 | -0.04 - 0.24 | 0.17 - 0.0001 | 0.16 - 0.016 | 0.05 - 0.666 | 0.26 - 0.221 |
|  |  |  |  |  |  |  |  |
| **Betablockers** | **All Women** | **Underweight** | **Normal Weight** | **Overweight** | **Class I Obesity** | **Class II Obesity** | **Class III Obesity** |
| **Diabetes** | -0.16 - 0.182 | -1.57 - 0.226 | 0.6 - 0.019 | 0.3 - 0.164 | -0.44 - 0.099 | -0.89 - 0.029 | 0.42 - 0.49 |
| **Hypertension** | -0.19 - 0.002 | 0.49 - 0.383 | -0.05 - 0.571 | -0.14 - 0.144 | -0.24 - 0.115 | 0.13 - 0.651 | -0.02 - 0.957 |
| **High cholesterol** | 0.13 - 0.07 | 0.64 - 0.446 | 0.1 - 0.403 | -0.02 - 0.876 | 0.27 - 0.154 | 0.21 - 0.572 | 0.29 - 0.661 |
| **Physical Activity** | 0.06 - 0.011 | 0.17 - 0.366 | 0.04 - 0.22 | 0 - 0.927 | 0.11 - 0.108 | 0.05 - 0.706 | -0.25 - 0.266 |
| **Sleep Medications** | 0.09 - 0.128 | 0.22 - 0.642 | 0.05 - 0.513 | 0.06 - 0.525 | 0.15 - 0.352 | -0.02 - 0.95 | 0.48 - 0.333 |
| **Smoking** | 0.14 - 0.002 | -0.04 - 0.9 | 0.08 - 0.175 | 0.18 - 0.017 | 0.13 - 0.294 | 0.22 - 0.36 | 0.43 - 0.247 |
| **Diet** | 0.09 - 0.0001 | -0.18 - 0.349 | -0.04 - 0.237 | 0.17 - 0.0001 | 0.16 - 0.017 | 0.06 - 0.657 | 0.25 - 0.232 |
|  |  |  |  |  |  |  |  |
| **OTC Insulin** | **All Women** | **Underweight** | **Normal Weight** | **Overweight** | **Class I Obesity** | **Class II Obesity** | **Class III Obesity** |
| **Diabetes** | -0.43 - 0.002 | -1.4 - 0.322 | 0.33 - 0.242 | 0.23 - 0.327 | -0.73 - 0.012 | -1.5 - 0.001 | -0.18 - 0.797 |
| **Hypertension** | -0.19 - 0.001 | 0.57 - 0.287 | -0.04 - 0.658 | -0.15 - 0.112 | -0.25 - 0.088 | 0.12 - 0.679 | 0.02 - 0.964 |
| **High cholesterol** | 0.13 - 0.075 | 0.64 - 0.447 | 0.1 - 0.376 | -0.02 - 0.86 | 0.26 - 0.166 | 0.18 - 0.628 | 0.23 - 0.727 |
| **Physical Activity** | 0.06 - 0.01 | 0.17 - 0.371 | 0.04 - 0.234 | 0 - 0.935 | 0.11 - 0.103 | 0.06 - 0.652 | -0.25 - 0.26 |
| **Sleep Medications** | 0.09 - 0.132 | 0.24 - 0.614 | 0.05 - 0.502 | 0.06 - 0.525 | 0.14 - 0.381 | -0.03 - 0.92 | 0.46 - 0.352 |
| **Smoking** | 0.14 - 0.002 | -0.05 - 0.88 | 0.08 - 0.188 | 0.18 - 0.017 | 0.13 - 0.291 | 0.22 - 0.348 | 0.43 - 0.246 |
| **Diet** | 0.09 - 0.0001 | -0.18 - 0.353 | -0.04 - 0.23 | 0.17 - 0.0001 | 0.16 - 0.016 | 0.07 - 0.599 | 0.25 - 0.234 |
|  |  |  |  |  |  |  |  |
| **Glucocorticosteroids** | **All Women** | **Underweight** | **Normal Weight** | **Overweight** | **Class I Obesity** | **Class II Obesity** | **Class III Obesity** |
| **Diabetes** | -0.16 - 0.182 | -1.54 - 0.235 | 0.6 - 0.019 | 0.31 - 0.161 | -0.43 - 0.101 | -0.89 - 0.03 | 0.44 - 0.473 |
| **Hypertension** | -0.18 - 0.001 | 0.57 - 0.287 | -0.04 - 0.622 | -0.15 - 0.113 | -0.25 - 0.089 | 0.1 - 0.712 | 0.02 - 0.957 |
| **High cholesterol** | 0.13 - 0.069 | 0.62 - 0.46 | 0.1 - 0.392 | -0.02 - 0.863 | 0.27 - 0.159 | 0.2 - 0.589 | 0.3 - 0.646 |
| **Physical Activity** | 0.06 - 0.011 | 0.16 - 0.385 | 0.04 - 0.206 | 0 - 0.92 | 0.11 - 0.111 | 0.05 - 0.698 | -0.26 - 0.253 |
| **Sleep Medications** | 0.09 - 0.127 | 0.25 - 0.601 | 0.05 - 0.518 | 0.06 - 0.522 | 0.16 - 0.341 | -0.02 - 0.96 | 0.49 - 0.318 |
| **Smoking** | 0.14 - 0.002 | -0.04 - 0.902 | 0.08 - 0.183 | 0.18 - 0.017 | 0.13 - 0.294 | 0.22 - 0.359 | 0.42 - 0.259 |
| **Diet** | 0.09 - 0.0001 | -0.19 - 0.328 | -0.04 - 0.254 | 0.17 - 0.0001 | 0.16 - 0.017 | 0.05 - 0.672 | 0.26 - 0.226 |
|  |  |  |  |  |  |  |  |

Each sub-table displays regressions results of a medication class on WC change over 3 years. Colums shows regression coefficients of covariates of the corresponding models, stratified by BMI class, presented in table 5.

Values represent regression coefficients along with p-values (β - p value).

Legend for covariates

Diabetes: No history, Insulin or Non-Insulin Dependent diabetes

Hypertension: Never hypertensive, Untreated or treated hypertensive

High cholesterol requiring pills, ever: No, Yes

Physical Activity: quartiles of Total MET-Hours Per Week

Sleep Medications: No, Yes   
Smoking: Never Smoker, Past Smoker, Current Smoker

Diet: quartiles of HEI-2005 Index score