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| **Supplemental Table 8. Covariates of multiple regression models investigating factors associated to BMI Changes** |  |  |
| **Antidepressants** | **All Women** | **Underweight** | **Normal Weight**  | **Overweight** | **Class I Obesity** | **Class II Obesity** | **Class III Obesity** |
| **Diabetes** | -0.19 - 0.0001 | -0.61 - 0.256 | 0.13 - 0.148 | 0 - 0.956 | -0.07 - 0.448 | -0.35 - 0.017 | 1.55 - 0.006 |
| **Hypertension** | -0.03 - 0.163 | 0.41 - 0.064 | 0.02 - 0.605 | 0.03 - 0.301 | -0.05 - 0.313 | 0.14 - 0.157 | 3.25 - 0.0001 |
| **High cholesterol** | -0.03 - 0.364 | 0.07 - 0.838 | 0.06 - 0.147 | 0.03 - 0.379 | 0.02 - 0.753 | -0.2 - 0.12 | -1.82 - 0.002 |
| **Physical Activity** | 0.03 - 0.001 | 0.07 - 0.374 | -0.02 - 0.151 | 0.01 - 0.267 | 0.04 - 0.058 | -0.04 - 0.349 | -1.82 - 0.0001 |
| **Sleep Medications** | -0.04 - 0.121 | -0.05 - 0.797 | -0.03 - 0.375 | -0.05 - 0.13 | -0.03 - 0.556 | -0.29 - 0.01 | -0.37 - 0.435 |
| **Smoking** | 0.08 - 0.0001 | 0 - 0.97 | 0.07 - 0.001 | 0.06 - 0.007 | 0.08 - 0.047 | 0.14 - 0.094 | 0.38 - 0.27 |
| **Diet** | 0.06 - 0.0001 | -0.09 - 0.282 | 0.02 - 0.142 | 0.06 - 0.0001 | 0.04 - 0.082 | 0.06 - 0.21 | -0.69 - 0.0001 |
|  |  |  |  |  |  |  |  |
| **Antipsychotics** | **All Women** | **Underweight** | **Normal Weight**  | **Overweight** | **Class I Obesity** | **Class II Obesity** | **Class III Obesity** |
| **Diabetes** | -0.18 - 0.001 | -0.49 - 0.357 | 0.14 - 0.145 | 0.01 - 0.85 | -0.05 - 0.549 | -0.31 - 0.03 | 1.62 - 0.004 |
| **Hypertension** | -0.03 - 0.229 | 0.41 - 0.07 | 0.02 - 0.547 | 0.04 - 0.246 | -0.05 - 0.364 | 0.15 - 0.134 | 3.25 - 0.0001 |
| **High cholesterol** | -0.02 - 0.437 | 0.08 - 0.816 | 0.06 - 0.136 | 0.04 - 0.32 | 0.03 - 0.62 | -0.2 - 0.128 | -1.78 - 0.003 |
| **Physical Activity** | 0.03 - 0.003 | 0.07 - 0.381 | -0.02 - 0.111 | 0.01 - 0.397 | 0.04 - 0.101 | -0.05 - 0.292 | -1.83 - 0.0001 |
| **Sleep Medications** | -0.01 - 0.746 | 0.02 - 0.917 | -0.01 - 0.805 | -0.01 - 0.862 | 0.03 - 0.609 | -0.22 - 0.042 | -0.2 - 0.667 |
| **Smoking** | 0.08 - 0.0001 | 0 - 0.981 | 0.07 - 0.001 | 0.07 - 0.003 | 0.09 - 0.027 | 0.15 - 0.075 | 0.36 - 0.29 |
| **Diet** | 0.06 - 0.0001 | -0.09 - 0.239 | 0.02 - 0.143 | 0.06 - 0.0001 | 0.04 - 0.074 | 0.06 - 0.22 | -0.69 - 0.0001 |
|  |  |  |  |  |  |  |  |
| **Betablockers** | **All Women** | **Underweight** | **Normal Weight**  | **Overweight** | **Class I Obesity** | **Class II Obesity** | **Class III Obesity** |
| **Diabetes** | -0.18 - 0.001 | -0.52 - 0.329 | 0.13 - 0.149 | 0.01 - 0.854 | -0.05 - 0.553 | -0.32 - 0.029 | 1.63 - 0.004 |
| **Hypertension** | -0.04 - 0.151 | 0.35 - 0.137 | 0.01 - 0.712 | 0.02 - 0.479 | -0.06 - 0.259 | 0.15 - 0.153 | 3.32 - 0.0001 |
| **High cholesterol** | -0.03 - 0.399 | 0.08 - 0.818 | 0.06 - 0.146 | 0.03 - 0.372 | 0.03 - 0.682 | -0.2 - 0.125 | -1.74 - 0.004 |
| **Physical Activity** | 0.03 - 0.003 | 0.07 - 0.366 | -0.02 - 0.116 | 0.01 - 0.371 | 0.04 - 0.097 | -0.05 - 0.293 | -1.84 - 0.0001 |
| **Sleep Medications** | -0.01 - 0.732 | 0.01 - 0.978 | -0.01 - 0.795 | -0.01 - 0.835 | 0.03 - 0.63 | -0.22 - 0.042 | -0.17 - 0.708 |
| **Smoking** | 0.08 - 0.0001 | 0.01 - 0.947 | 0.07 - 0.001 | 0.07 - 0.003 | 0.09 - 0.026 | 0.15 - 0.076 | 0.35 - 0.304 |
| **Diet** | 0.06 - 0.0001 | -0.1 - 0.231 | 0.02 - 0.145 | 0.06 - 0.0001 | 0.04 - 0.077 | 0.06 - 0.222 | -0.68 - 0.001 |
|  |  |  |  |  |  |  |  |
| **OTC Insulin** | **All Women** | **Underweight** | **Normal Weight**  | **Overweight** | **Class I Obesity** | **Class II Obesity** | **Class III Obesity** |
| **Diabetes** | -0.34 - 0.0001 | -0.24 - 0.681 | 0.02 - 0.841 | -0.1 - 0.177 | -0.16 - 0.108 | -0.68 - 0.0001 | 0.94 - 0.152 |
| **Hypertension** | -0.03 - 0.228 | 0.41 - 0.069 | 0.02 - 0.546 | 0.04 - 0.247 | -0.05 - 0.36 | 0.16 - 0.111 | 3.26 - 0.0001 |
| **High cholesterol** | -0.03 - 0.41 | 0.07 - 0.85 | 0.06 - 0.128 | 0.04 - 0.338 | 0.03 - 0.64 | -0.21 - 0.102 | -1.86 - 0.002 |
| **Physical Activity** | 0.03 - 0.002 | 0.07 - 0.362 | -0.02 - 0.104 | 0.01 - 0.381 | 0.04 - 0.096 | -0.05 - 0.336 | -1.83 - 0.0001 |
| **Sleep Medications** | -0.01 - 0.733 | 0.01 - 0.942 | -0.01 - 0.813 | 0 - 0.888 | 0.03 - 0.648 | -0.23 - 0.036 | -0.2 - 0.657 |
| **Smoking** | 0.08 - 0.0001 | 0 - 0.991 | 0.07 - 0.001 | 0.07 - 0.004 | 0.09 - 0.026 | 0.15 - 0.07 | 0.38 - 0.272 |
| **Diet** | 0.06 - 0.0001 | -0.1 - 0.23 | 0.02 - 0.151 | 0.06 - 0.0001 | 0.04 - 0.073 | 0.06 - 0.163 | -0.69 - 0.0001 |
|  |  |  |  |  |  |  |  |
| **Glucocorticosteroids** | **All Women** | **Underweight** | **Normal Weight**  | **Overweight** | **Class I Obesity** | **Class II Obesity** | **Class III Obesity** |
| **Diabetes** | -0.18 - 0.001 | -0.5 - 0.344 | 0.14 - 0.146 | 0.02 - 0.815 | -0.05 - 0.571 | -0.31 - 0.032 | 1.62 - 0.004 |
| **Hypertension** | -0.03 - 0.244 | 0.41 - 0.07 | 0.02 - 0.547 | 0.04 - 0.237 | -0.05 - 0.354 | 0.15 - 0.13 | 3.26 - 0.0001 |
| **High cholesterol** | -0.02 - 0.433 | 0.06 - 0.868 | 0.06 - 0.135 | 0.04 - 0.327 | 0.03 - 0.631 | -0.2 - 0.125 | -1.77 - 0.003 |
| **Physical Activity** | 0.03 - 0.004 | 0.06 - 0.409 | -0.02 - 0.109 | 0.01 - 0.436 | 0.04 - 0.115 | -0.05 - 0.289 | -1.83 - 0.0001 |
| **Sleep Medications** | -0.01 - 0.79 | 0.03 - 0.891 | -0.01 - 0.811 | 0 - 0.901 | 0.03 - 0.539 | -0.22 - 0.044 | -0.18 - 0.701 |
| **Smoking** | 0.08 - 0.0001 | 0.01 - 0.928 | 0.07 - 0.001 | 0.07 - 0.003 | 0.09 - 0.027 | 0.15 - 0.076 | 0.36 - 0.291 |
| **Diet** | 0.06 - 0.0001 | -0.11 - 0.187 | 0.02 - 0.142 | 0.06 - 0.0001 | 0.04 - 0.079 | 0.05 - 0.226 | -0.69 - 0.0001 |
|  |  |  |  |  |  |  |  |

Each sub-table displays regressions results of a medication class on BMI change over 3 years. Colums shows regression coefficients of covariates of the corresponding models, stratified by BMI class, presented in table 4.

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