**Supplement**

Table I. Age-adjusted Pearson’s correlation coefficients with coronary artery calcium (CAC) scores and with current hours of work per week by characteristics of participants.

| Characteristics | CAC scores | Current hours per week |
| --- | --- | --- |
|  |  |  |
|  | R (p-value) | R (p-value) |
| Body mass index (Kg/m2) | 0.055 (0.002) | 0.040 (0.026) |
| Waist circumference (cm) | 0.113 (<0.001) | 0.044 (0.016) |
| Physical activity (MET) (min/wk) | 0.022 (0.233) | 0.011 (0.558) |
| Pack-years of smoking (ever-smokers) | 0.149 (<0.001) | 0.039 (0.032) |
| Systolic blood pressure (mmHg) | 0.075 (<0.001) | 0.052 (0.004) |
| Diastolic blood pressure (mmHg) | 0.115 (<0.001) | 0.070 (<0.001) |
| LDL cholesterol (mg/dL) | 0.037 (0.045) | -0.018 (0.326) |
| HDL cholesterol (mg/dL) | -0.151 (<0.001) | -0.062 (<0.001) |
| Triglycerides (mg/dL) | 0.090 (<0.001) | 0.008 (0.678) |
| Fasting glucose (calibrated) | 0.099 (<0.001) | 0.053 (0.003) |
| C-reactive protein (mg/L) | -0.027 (0.139) | 0.010 (0.577) |
| Job decision latitude (control) | 0.052 (0.010) | 0.083 (<0.001) |
| Job psychological demands | -0.013 (0.513) | 0.168 (<0.001) |
| Job strain | -0.047 (0.020) | 0.059 (0.004) |

R indicates the degree of linear correlation with CAC scores or with current work hours, where a value of 0 implies no linear correlation.

Table II. Adjusted mean coronary artery calcium (CAC) scores by current work days

per week for subjects with a CAC score >0.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | <5 days | 5 days | >5 days |  |
|  | (n=271) | (n=688) | (n=270) |  |
|  | Mean (95% CI) | Mean (95% CI) | Mean (95% CI) | p-value\* |
| Model 1 | 51.1 (41.6–62.6) | 61.7 (54.6–69.9) | 67.4 (55.4–82.1) | 0.050 |
| Model 2 | 50.6 (39.1–65.4) | 58.7 (51.0–67.7) | 53.6 (43.1–66.6) | 0.628 |

\*P-values are obtained from multivariate linear regression models.

Model 1: Adjusted for age.

Model 2: Adjusted for age, gender, race/ethnicity, education, smoking status, pack-years of
smoking, alcohol status, diabetes, hypertension, lipid lowering medication, family history
of heart attack, family history of stroke, aspirin use, BMI, waist circumference, and job strain.

Table III. Adjusted mean coronary artery calcium (CAC) scores by current work hours

per day for subjects with a CAC score >0.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | ≤8 hours | 9–11 hours | >11 hours |  |
|  | (n=271) | (n=688) | (n=270) |  |
|  | Mean (95% CI) | Mean (95% CI) | Mean (95% CI) | p-value\* |
| Model 1 | 59.0 (52.9–65.7) | 63.3 (52.0–77.1) | 68.8 (43.7–108.2) | 0.129 |
| Model 2 | 55.2 (48.6–62.7) | 55.1 (44.4–68.3) | 69.2 (41.6–115.0) | 0.242 |

\*P-values are obtained from multivariate linear regression.

Model 1: Adjusted for age.

Model 2: Adjusted for age, gender, race/ethnicity, education, smoking status, pack-years of
smoking, alcohol status, diabetes, hypertension, lipid lowering medication, family history
of heart attack, family history of stroke, aspirin use, BMI, waist circumference, job strain.

Table IV. Adjusted mean coronary artery calcium (CAC) scores by current work days per week and current work hours per day for subjects

with a CAC score >0.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | <5-daysMean (95% CI) | 5-daysMean (95% CI) | >5-daysMean (95% CI) |  |
|  | ≤8 hours | 9–11 hours | >11 hours | ≤8 hours | 9–11 hours | >11 hours | ≤8 hours | 9–11 hours | >11 hours |  |
|  | (n=219) | (n=35) | (n=17) | (n=531) | (n=145) | (n=11) | (n=149) | (n=98) | (n=23) | p–value\* |
| Model 1 | 48.5(38.5–61.2) | 66.3(38.4–114.2) | 51.8(23.7–113.3) | 62.0(53.9–71.3) | 62.5(47.6–82.0) | 45.3(17.2–119.7) | 64.0(49.2–83.4) | 65.9(47.5–91.5) | 107.0(54.5–210.0) | 0.602 |
| Model 2 | 44.6(33.1–60.1) | 86.8(45.9–164.1) | 54.3(22.0–134.0) | 60.4(51.3–71.1) | 53.6(39.9–72.2) | 65.7(20.2–213.1) | 51.3(38.1–69.0) | 51.4(36.2–73.1) | 83.6(40.7–171.8) | 0.686 |

\*P-values are obtained from multivariate linear regression.

Model 1: Adjusted for age.

Model 2: Adjusted for age, gender, race/ethnicity, education, smoking status, pack-years of smoking, alcohol status, diabetes, hypertension, lipid lowering medication, family history of heart attack, family history of stroke, aspirin use, BMI, waist circumference, job strain.