**Legends**

Table 1: Regression coefficients (95% CI) for the relation of a SD change (continuous variables) and unit change (\*categorical variables) in the covariates with intima-media thickness in \*10-3mm (unadjusted) (N=127 for men; N=151 for women).

Table 2: Regression coefficients (95% confidence interval) for the relation of a SD increase in childhood IQ with change in intima-media thickness (\*10-3mm) after adjustment for a range of covariates (N=127 for men; N=151 for women)

Table 1: Correlation coefficients (p-value) for intima-media thickness with the covariates (\*categorical variables) (N=127 for men; N=151 for women)

|  |  |  |
| --- | --- | --- |
| **Covariate** | **Men** | **Women** |
| Birth weight (standardized to gestational age) | -0.24 (p=0.006) | -0.07 (p=0.41) |
| BMI | 0.23 (p=0.009) | 0.12 (p=0.14) |
| Systolic BP (mmHg) | 0.22 (p=0.01) | 0.11 (p=0.18) |
| Fasting glucose (g/l) | 0.10 (p=0.25) | 0.15 (p=0.07) |
| Insulin resistance | 0.31 (p=0.0004) | 0.05 (p=0.56) |
| Total cholesterol (mg/dL) | 0.16 (p=0.07) | 0.07 (p=0.41) |
| Triglycerides (mg/dL) | 0.22 (p=0.01) | 0.13(p=0.13) |
| Fibrinogen (mg/dL) | 0.18(p=0.05) | 0.004(p=0.97) |
| Waist (cm)/hip (cm) ratio | 0.28(p=0.002) | 0.21(p=0.01) |
| Height (cm) | -0.10 (p=0.26) | 0.06(p=0.48) |
| % body fat | 0.30(p=0.001) | 0.15(p=0.06) |
| Parental social class\* (Registrar General classification) | 0.11(p=0.24) | 0.04(p=0.65) |
| Adult social class\* (Registrar General classification) | 0.22(p=0.02) | -0.02(p=0.84) |
| Education\* (highest level achieved) | 0.10(p=0.28) | 0.11(p=0.18) |
| Smoking (pack years) | 0.12(p=0.19) | 0.30(p=0.0002) |
| Alcohol\* (level of consumption) | -0.003(p=1.0) | 0.12(p=0.15) |

Table 2: Regression coefficients (95% confidence interval) for the relation of a SD increase in childhood IQ, or English or arithmetic test score, with change in intima-media thickness (mm) after adjustment for a range of covariates (N=127 for men; N=151 for women)

|  |  |  |  |
| --- | --- | --- | --- |
|  | **Overall IQ score** | **English test** | **Arithmetic test** |
|  | **Men** | **Women** | **Men** | **Women** | **Men** | **Women** |
| **Covariate\*** | **Regression coefficients** **(95 % CI)** | **Regression coefficients****(95 % CI)** | **Regression coefficients** **(95 % CI)** | **Regression coefficients****(95 % CI)** | **Regression coefficients** **(95 % CI)** | **Regression coefficients****(95 % CI)** |
| Unadjusted | -0.053(-0.102, -0.004) | -0.039(-0.080, -0.002) | -0.052(-0.101, -0.003) | -0.050(-0.090, -0.011) | -0.056(-0.102, -0.009) | -0.046(-0.086, -0.007) |
| Parental social class | -0.049(-0.101, 0.003) | -0.039(-0.078, -0.001) | -0.047(-0.099, 0.004) | -0.050(-0.089, -0.011) | -0.053(-0.103, -0.002) | -0.046(-0.086, -0.006) |
| Own social class | -0.057(-0.106, -0.008) | -0.059(-0.097, -0.021) | -0.057(-0.106, -0.009) | -0.067(-0.105, -0.028) | -0.064(-0.110, -0.018) | -0.070(-0.110, -0.030) |
| Education | -0.052(-0.106, 0.001) | -0.038(-0.085, 0.010) | -0.046(-0.097, 0.005) | -0.050(-0.010, -0.004) | -0.058(-0.110, -0.006) | -0.043(-0.089, 0.003) |
| Birth weight | -0.048(-0.096, 0.001) | -0.039(-0.078, -0.002) | -0.048(-0.096, -0.001) | -0.050(-0.089, -0.013) | -0.049(-0.095, -0.003) | -0.047(-0.086, -0.007) |
| BMI | -0.048(-0.096, 0.00002) | -0.037(-0.075, 0.001) | -0.044(-0.093, 0.004) | -0.048(-0.085, -0.010) | -0.050(-0.096, -0.004) | -0.044(-0.083, -0.005 ) |
| Systolic BP | -0.048(-0.096, 0.001) | -0.039(-0.077, -0.002) | -0.046(-0.094, 0.002) | -0.050(-0.088, -0.012) | -0.048(-0.094, -0.001) | -0.047(-0.086, -0.008) |
| Fasting glucose  | -0.037(-0.074, 0.001) | -0.053(-0.102, -0.004) | -0.051(-0.099, -0.002) | -0.047(-0.084, -0.009) | -0.055(-0.102, -0.009) | -0.044(-0.083, -0.005) |
| Insulin resistance | -0.049(-0.096, -0.002) | -0.039(-0.077, -0.0001) | -0.048(-0.095, -0.001) | -0.049(-0.088, -0.011) | -0.054(-0.098, -0.009) | -0.046(-0.085, -0.006) |
| Total cholesterol | -0.052(-0.101, -0.004) | -0.042(-0.081, -0.004) | -0.052(-0.101, -0.004) | -0.052(-0.089, -0.014) | -0.053(-0.099, -0.007) | -0.051(-0.091, -0.011) |
| Triglycerides | -0.043(-0.092, 0.007) | -0.035(-0.073, 0.004) | -0.041(-0.089, 0.008) | -0.046(-0.084, -0.007) | -0.046(-0.093, 0.001) | -0.043(-0.082, -0.003) |
| Fibrinogen | -0.049(-0.098, -0.0001) | -0.039(-0.077, -0.001) | -0.047(-0.096, 0.001) | -0.049(-0.088, -0.012) | -0.050(-0.097, -0.003) | -0.046(-0.086, -0.007) |
| Waist/hip ratio | -0.042(-0.090, 0.006) | -0.032(-0.070, 0.006) | -0.040(-0.088, 0.008) | -0.042(-0.080, -0.004) | -0.041(-0.088, 0.005) | -0.039(-0.078, 0.001) |
| Height | -0.049(-0.099, 0.001) | -0.040(-0.078, -0.002) | -0.048(-0.098, 0.002) | -0.051(-0.089, -0.013) | -0.052(-0.101, -0.004) | -0.048(-0.088, -0.009) |
| Percent body fat | -0.055(-0.102, -0.008) | -0.037(-0.075, 0.001) | -0.052(-0.099, -0.006) | -0.047(-0.085, -0.009) | -0.056(-0.101, -0.012) | -0.043(-0.083, -0.004) |
| Smoking pack years | -0.055(-0.103, -0.007) | -0.029(-0.067, 0.007) | -0.052(-0.099, -0.005) | -0.041(-0.077, -0.004) | -0.061(-0.106, -0.016) | -0.037(-0.075, 0.001) |
| Alcohol | -0.059(-0.104, -0.015) | -0.045(-0.084, -0.007) | -0.057(-0.102, -0.013) | -0.056(-0.095, -0.018) | -0.064(-0.106, -0.022) | -0.052(-0.091, -0.012) |
| All covariates (except education) | -0.056(-0.111, -0.002) | -0.054(-0.094, -0.014) | -0.057(-0.111, -0.002) | -0.063(-0.103, -0.024) | -0.057(-0.109, -0.005) | -0.062(-0.104, -0.021) |
| All covariates (including education) | -0.047(-0.108, 0.014) | -0.066(-0.115, -0.016) | -0.044(-0.102, 0.015) | -0.077(-0.125, -0.029) | -0.045(-0.104, 0.014) | -0.069(-0.117, -0.020) |

\* The results indicate coefficients adjusted for each specific covariate only (with the exception of the final two rows) rather than individually in sequence.