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IQ in childhood and atherosclerosis in middle-age

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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 $*10^{-3}$ mm (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 ($*10^{-3}$ mm) 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)

Covariate*	Overall IQ score		English test		Arithmetic test	
	Men Regression coefficients (95 % CI)	Women Regression coefficients (95 % CI)	Men Regression coefficients (95 % CI)	Women Regression coefficients (95 % CI)	Men Regression coefficients (95 % CI)	Women 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.