Supplementary Materials

"Associations of arterial thickness, stiffness and blood pressure with brain morphology in early adolescence: A prospective population-based study"

Serena Defina, MSc, Carolina C.V. Silva, PhD, Charlotte A.M. Cecil, PhD, Henning Tiemeier, PhD, Janine F. Felix, PhD, Ryan L. Mutzel, PhD, Vincent W.V. Jaddoe, PhD

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Methods S1 | Imputation rationale and quality

Imputation strategy

Missing values in continuous variables were imputed by random forest imputation¹, as implemented by the mice package (version 3.13.0), while categorical variables (i.e., sex, ethnicity, and maternal education) were imputed using standard mice method (logistic regression). We used 10 trees and 40 iterations to construct 20 imputed datasets².

Random forest imputation is a machine learning technique, derived from classification and regression trees predictive models, which recursively subdivide the data based on values of the predictors. The technique does not rely on any distributional assumptions, and can conveniently accommodate nonlinearities and interactions, in the data, without need for them to be explicitly specified in the imputation model. While more computationally intensive compared to traditional regression-based imputation (i.e., full conditional specification), the technique is ideal for situations where, for example, multicollinearity issues, or the omission of important nonlinear terms may complicate model specification, potentially yielding biased parameter estimates and standard errors.

Records with missing values were imputed by random draws from independent normal distributions centered on conditional means predicted using random forest. The method fits each tree to a different bootstrap sample of the data (to prevent overfitting) and aggregates the results.

The auxiliary variables selected for the imputation model included: all available repeated measures of the key variables of interest, and an additional set of auxiliary variables that were selected because they are believed to be either related to missingness or to the variables of interest themselves.

These included: total brain and gray matter volumes, global fractional anisotropy and mean diffusivity, (at 10 years), total intracranial volume, cortical grey matter volume, subcortical gray matter volume, white matter volume, CSF volume, brainstem volume, cerebellum subcortical and cortical volumes (at 10 and 13 years); all individual subcortical brain region volumes and white matter tracts FA and MD (at 10 and 13 years); systolic and diastolic blood pressure (at 6 years); sex; ethnicity; age at MRI visit (both 10 and 13 years) and age at ultrasound/blood pressure measurement visit (10 years); height (at 6 and 10 years); BMI z-score (at 6 and 10 years); maternal age (at conception); maternal education (during pregnancy and when children were 3 and 6 years old); household income (at 6 years); maternal BMI (pre-pregnancy and at 6 years); gestational age and weight at birth; parity.

Theoretical rationale

There are two important potential consequences of missing data. The first is the decrease in *precision* (wider confidence intervals) and *power* caused by the reduction in data. The second, and more serious, is the potential for *bias* in the estimation of association parameters.

Primer: missing data mechanisms

The complexity of the missing data problem, i.e., obtaining accurate inferential estimates in the presence of missing data, depends on the nature of the mechanism by which data are missing. Little and Rubin³ provided a popular framework to describe categories of missing data mechanisms given the relationship with observed and unobserved values.

The less problematic scenario occurs when the probability of an observable data point being missing does not depend on any observed or unobserved parameters: Missing Completely at Random (MCAR). More commonly, the missingness probability depends on observed variables, and hence it can be accounted for by the information contained in the dataset: Missing at Random (MAR). The most challenging missingness mechanism occurs when the missingness probability depends on unobserved values: Missing Not at Random (MNAR).

Unfortunately, it is not possible to distinguish between MAR and MNAR mechanisms without additional external data or prior knowledge. However, the MAR assumption is usually reasonable in the context of longitudinal observational studies.

It is important to realize that the term *missing at random* does not mean that the missing data are a simple random subsample of all the data points. That scenario is MCAR. Under MAR, missing data may be more frequent in some subgroups than in others, but information defining the subgroups is observed.

Among the various available approaches to handling missing data, multiple imputation (MI) has been widely adopted and accepted by methodologists as an appropriate framework for dealing with MAR (and MCAR) mechanisms.

Although simpler solutions for handling missing outcomes are still routinely used, these approaches have been amply shown to be inadequate and even misleading, as they do not preserve important characteristics of the whole

data set, such as key relationships among the variables and means. For instance, list-wise deletion (e.g., selecting on outcome availability prior to imputation) *requires MCAR data* in order to not introduce bias in the result, it makes strong assumptions about the covariance structure of the data (that it is compound symmetric), and it has been discouraged by statisticians.

In our study, we have strong reason to believe that dropout / missingness might depend at least partly on measured (or unmeasured) variables. For example, children who did have measured brain outcomes are more often female (P<0.001 for structural MRI; P=0.042 for DTI data), Dutch (P<0.001 in both subsamples), and first born (P=0.028; P=0.029), they come from families with higher income (P<0.001; P=0.001), they have higher gestational weight (P=0.001), and they have older (P<0.001) and more highly educated mothers (P=0.001). Based on these statistics, one can speculate, for example, that families with higher socio-economic status may be more likely to bring their children to the follow-up visits. On the other end, children from low socio-economic status families would be underrepresented in the (complete-cases) sample. In other words, the MCAR assumption is likely violated.

Hence, although it is important to point out that our approach relies on MAR assumptions, and we cannot guarantee unbiased results under the situation where missingness depends on unobserved information (MNAR), these assumptions are not nearly as unrealistic as those required for a complete-case analysis. Additionally, it has been argued that MI can offer some protection against MNAR mechanisms, unlike MCAR methods.

Missing patterns and imputation quality results

Key variables' descriptives before (i.e., in the original sample) and after imputation (i.e., pooled across the 20 imputed datasets) together with the number and percentage of missing values are presented in *Table S1*. Note how differences between the pooled (i.e., after imputation) and the original metrics are very small. None of these differences resulted statistically significant.

The fraction of missing values per variable ranges from 0 to a maximum of 77% (i.e., structural MRI metrics). Although the level of missingness naturally affects MI performance, we decided to leverage all available data even when missingness was extensive, as recommended by several statisticians. In support of this approach, two simulation studies also suggested that, under the condition of a large enough sample size (<1000), such levels of missingness still allow for a reasonably low expected bias if any.

Convergence

Visual inspection of the convergence graphs showed no signs of unhealthy convergence. In some cases, the trace lines showed strong initial trends and slow mixing, but regardless of the proportion of missing data, results were stable after \sim 20 of the 40 iterations. Convergence plots are not presented here, but are available upon request to SD.

Imputed vs. observed values

Next, we inspected and compared the density of the incomplete and imputed data. These graphs are <u>publicly</u> <u>available</u> for the key variables of interest. The blue line marks the observed and red lines indicate imputed values.

Sensitivity analysis

A thorough and sensible sensitivity analysis is an important step in producing and reporting robust estimates. Hence, we also included a sensitivity analysis to assess the extent to which our analyses were robust to missing data assumptions. None of the main conclusions were impacted.

Methods S2 | Non-linear effects of each exposure

To assess potential non-linearities in the relationship between each arterial health marker (i.e., IMT, Distensibility, SBP and DBP) and the brain outcomes or interest (i.e., TBV, GMV, FA and MD), we tested a set of 8 non-linear models (i.e., one for each exposure – outcome pair).

More specifically, we first determined whether evidence of a non-linear association was present based on global F-test(s) comparing the linear models to four polynomial alternatives (i.e., 2^{nd} - to 5^{th} - degree polynomials). We considered non-linearity present if at least one of these comparisons was statistically significant (P < 0.05).

To then characterize the shape of these non-linear associations, we plotted natural spline terms using 4 knots. This approach allowed us to adequately represent the complexity of these relationships, without incurring overfitting problems due to unduly complex models.

Methods S3 | Linear mixed-effect model

To assess the relationship between arterial health and brain changes from 10 to 14 years (i.e., two timepoints), we ran a linear mixed-effect effect model using the lmer() function from the lme4 R package.⁴

Models included a random intercept and a fixed-effect part corresponding to the interaction between each exposure of interest (i.e., IMT, distensibility, SBP and DBP) and age at MRI measurement + the base and full set of covariates. When the interaction terms between each exposure and age resulted not statistically significant, they were removed from the models, to grant more interpretable main effects of each exposure. The optimization criterium was set to maximum likelihood (i.e., REML=FALSE).

Note that, outcomes were included in the model in their original scale (cm³), rather than their standardized version, because centering dependent variables in mixed-effects models which include random effects per subject has been shown to result in incorrect estimated correlations, likelihood values and predictions.⁴

P-values for fixed effects were computed via the Satterthwaite's degrees of freedom approximation, as implemented by the R package lmerTest.

Methods S4 | **Vertex wise cortical thickness**

Exploratory vertex-wise cortical thickness analyses were performed in R using the **QDECR** package.

Cortical thickness was calculated as the closest distance from the grey-white matter boundary to the grey-cerebrospinal fluid boundary at each vertex on the tessellated surface. The labeling of clusters identified in the brain was performed using the technique of Klein & Tourville. The cluster-forming threshold was set to p=0.001, as it has shown to correspond closely to a false-positive rate of 0.05. Prior to analyses images were smoothed using a 10 mm full-width-at-half-maximum Gaussian kernel. Reconstructed images were visually inspected and images that were rated as poor were excluded.

Supplemental references

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- 3. Rubin DB. Multiple imputation for survey nonresponse. New York: Wiley: 1987.
- 4. Bates D, Mächler M, Bolker B, Walker S. Fitting Linear Mixed-Effects Models Using Ime4. *Journal of Statistical Software*. 10/07 2015;67(1):1 48. doi:10.18637/jss.v067.i01

Table S1 - Assessment of missing values and imputation quality

Measure	Timepoint	Mean (range); n (%)	NAs (%)	Mean (range); n (%) after imputation	Mean (range); n (%)	ple, focus at 9 visit NAs (%)	Mean (range); n (%) after imputation	Mean (range); n (%)	RI at 14 years sam	Mean (range); n (%) after imputation	Mean (range); n (%)	NAs (%)	Mean (range);
ex, n (%) Male participants	Birth	before imputation 4506 (50.6%)	3 (0%)	4507 (50.6%)	before imputation 2646 (49.5%)	1 (<0.1%)	2647 (49.6%)	before imputation 954 (46.4%)	0 (0%)	954 (46.4%)	before imputation 1116 (48.4%)	0 (0%)	after imputa 1116 (48.4
Female participants	Ditti	4403 (49.4%)	5 (070)	4405 (49.4%)	2694 (50.4%)	1(-0.170)	2694 (50.4%)	1100 (53.6%)	0 (0.0)	1100 (53.6%)	1192 (51.6%)	0 (0.0)	1192 (51.6
arental country of origin, n (%) Africa and Middle East		317 (3.6%)		371 (4.2%)	160 (3.0%)		172 (3.2%)	54 (2.6%)		58 (2.8%)	60 (2.6%)		65 (2.8%
Asia and Oceania Cape Verdean		250 (2.8%) 250 (2.8%)		301 (3.4%) 304 (3.4%)	153 (2.9%) 166 (3.1%)		164 (3.1%) 177 (3.3%)	50 (2.4%) 57 (2.8%)		54 (2.6%) 61 (3.0%)	55 (2.4%) 75 (3.2%)		60 (2.69 79 (3.49
Dutch		4322 (48.5%)		4374 (49.1%)	3032 (56.8%)		3044 (57.0%)	1196 (58.2%)		1200 (58.4%)	1341 (58.1%)		1345 (58.
Dutch Antillean Europe	Birth	356 (4.0%) 650 (7.3%)	581 (6.5%)	410 (4.6%) 702 (7.9%)	154 (2.9%) 392 (7.3%)	128 (2.4%)	166 (3.1%) 404 (7.6%)	75 (3.7%) 160 (7.8%)	44 (2.1%)	79 (3.8%) 164 (8.0%)	88 (3.8%) 177 (7.7%)	51 (2.2%)	92 (4.0° 182 (7.9
Latin America		149 (1.7%)		202 (2.3%)	94 (1.8%)		106 (2.0%)	39 (1.9%)		43 (2.1%)	41 (1.8%)		45 (2.09
Moroccan North America		606 (6.8%) 51 (0.6%)		659 (7.4%) 104 (1.2%)	286 (5.4%) 30 (0.6%)		298 (5.6%) 42 (0.8%)	102 (5.0%) 16 (0.8%)		107 (5.2%) 20 (1.0%)	114 (4.9%) 18 (0.8%)		119 (5.2 22 (1.0
Surinamese		679 (7.6%)		730 (8.2%)	385 (7.2%)		397 (7.4%)	157 (7.6%)		161 (7.9%)	171 (7.4%)		176 (7.6
Turkish		701 (7.9%)		754 (8.5%)	361 (6.8%)		372 (7.0%)	104 (5.1%)		108 (5.3%)	117 (5.1%)		122 (5.3
Gestational weight, grams, mean (SD)	Birth	3401.00 (564.68)	77 (0.9%)	3399.60 (566.40)	3425.00 (553.72)	10 (0.2%)	3424.95 (554.25)	3447.00 (561.56)	2 (0.1%)	3446.80 (561.48)	3449.00 (563.64)	3 (0.1%)	3448.40 (5
Getsational age, weeks, median [range]	Birth	40.10 [20.86-43.71]	83 (0.9%)	40.10 [20.86-43.71]	40.14 [26.29-43.57]	35 (0.7%)	40.14 [26.29-43.57]	40.14 [26.71-43.57]	16 (0.8%)	40.14 [26.71-43.57]	40.14 [26.71-43.57]	15 (0.6%)	40.14 [26.7
First-born Second-born	Birth	4839 (54.3%) 2478 (27.8%)	348 (3.9%)	5079 (57.0%) 2550 (28.6%)	3020 (56.5%) 1484 (27.8%)	178 (3.3%)	3143 (58.8%) 1520 (28.5%)	1129 (55.0%) 613 (29.8%)	58 (2.8%)	1170 (56.9%) 624 (30.4%)	1272 (55.1%) 680 (29.5%)	69 (3%)	1319 (57 694 (30
≥ Third-born		1250 (14.0%)		1283 (14.3%)	660 (12.3%)		677 (12.8%)	254 (12.3%)		260 (12.6%)	287 (12.4%)		295 (12
Maternal age, years, mean (SD)	Birth	29.78 (5.42)	2 (0%)	29.78 (5.42)	30.86 (5.02)	1 (<0.1%)	30.86 (5.02)	31.07 (4.96)	0 (0%)	31.07 (4.96)	31.02 (5.01)	0 (0%)	31.02 (
Maternal BMI, kg/m², median [range]	pre-pregnancy 6 years	22.66 [14.38-50.21] 24.76 [15.73-61.35]	2397 (26.9%) 2956 (33.2%)	22.70 [14.38-50.21] 24.90 [15.73-61.35]	22.59 [14.38-50.21] 24.55 [15.73-53.84]	1315 (24.6%) 492 (9.2%)	22.62 [14.38-50.21] 24.57 [15.73-53.84]	22.66 [15.62-50.21] 24.53 [16.31-61.35]	485 (23.6%) 159 (7.7%)	22.67 [15.62-50.21] 24.54 [16.31-61.35]	22.60 [15.62-50.21] 24.56 [16.31-61.35]	566 (24.5%) 182 (7.9%)	22.65 [15.6 24.57 [16.3
ental education, n (%)	o junio		2500 (00:270)			402 (0.270)			100 (1.770)			102 (1.070)	
Low Medium	6 years	2561 (28.6%) 1523 (17.1%)	3247 (36.4%)	4715 (53.0%) 2070 (23.2%)	1912 (35.8%) 1284 (24.0%)	814 (15.2%)	2447 (45.9%) 1424 (26.7%)	707 (34.4%) 505 (24.6%)	273 (13.3%)	887 (43.2%) 553 (26.9%)	812 (35.2%) 561 (24.3%)	308 (13.3%)	1016 (4: 614 (26
High		1581 (17.7%)		2128 (23.9%)	1331 (24.9%)		1470 (27.5%)	569 (27.7%)		615 (29.9%)	627 (27.2%)		679 (29
nily income, n (%)	6 years	925 (10.4%)	3571 (40.1%)	1897 (21.2%)	672 (12.6%)	1046 (19.6%)	959 (18.0%)	234 (11.4%)	372 (18.1%)	338 (16.4%)	278 (12.1%)	414 (17.9%)	394 (17
Medium High	. ,	2659 (29.8%) 1757 (19.7%)		4280 (48.0%) 2735 (30.7%)	2145 (40.2%) 1478 (27.6%)	()	2613 (48.9%) 1769 (33.1%)	833 (40.6%) 615 (30.0%)		999 (48.7%) 716 (34.8%)	945 (40.9%) 671 (29.1%)	. ()	1131 (48 784 (34
Child age.	10 years	9.74 [8.53-12.72]	3574 (40.1%)	9.74 [8.53-12.72]	9.74 [8.53-12.72]	0 (0%)	9.74 [8.53-12.72]	9.71 [8.56-12.72]	133 (6.5%)	9.71 [8.56-12.72]	9.71 [8.56-12.72]	150 (6.5%)	9.71 [8.56
years, median [range]	-				'								
Height, cm, mean (SD)	10 years	141.50 (6.71)	3716 (41.7%)	141.63 (6.65)	141.50 (6.71)	144 (2.7%)	141.51 (6.72)	141.50 (6.61)	146 (7.1%)	141.53 (6.64)	141.50 (6.62)	166 (7.2%)	141.59 (
BMI, median [range]	10 years	17.00 [12.02-35.41]	3716 (41.7%)	17.15 [12.02-35.41]	17.00 [12.02-35.41]	144 (2.7%)	17.01 [12.02-35.41]	16.99 [12.07-32.69]	146 (7.1%)	17.01 [12.07-32.69]	16.92 [12.07-32.69]	166 (7.2%)	16.98 [12.0
Carotid intima-media thickness (IMT), mm. mean (SD)	10 years	0.46 (0.04)	4256 (47.8%)	0.46 (0.04)	0.46 (0.04)	687 (12.9%)	0.46 (0.04)	0.46 (0.04)	307 (14.9%)	0.46 (0.04)	0.46 (0.04)	343 (14.9%)	0.46 (0
Carotid distensibility, kPa ⁻¹ ×10 ⁻³ , mean (SD)	10 years	57.24 (12.39)	4423 (49.6%)	57.20 (12.35)	57.20 (12.39)	854 (16%)	57.24 (12.38)	57.83 (12.43)	373 (18.2%)	57.74 (12.40)	57.67 (12.42)	421 (18.2%)	57.61 (1
Systolic bood pressure (SBP), mm Hg, mean (SD)	10 years	103.28 (7.97)	3910 (43.9%)	103.45 (7.86)	103.27 (7.97)	338 (6.3%)	103.28 (7.95)	103.01 (7.69)	207 (10.1%)	103.09 (7.71)	102.95 (7.72)	235 (10.2%)	103.03 (
Diastolic bood pressure (DBP),	10 years	58.70 (6.42)	3910 (43.9%)	58.77 (6.37)	58.67 (6.40)	338 (6.3%)	58.68 (6.40)	58.40 (6.34)	208 (10.1%)	58.46 (6.35)	58.36 (6.32)	234 (10.1%)	58.43 (
mm Hg, mean (SD) Child age at MRI,	10 years	9.93 [8.55-13.00]	5033 (56.5%)	9.98 [8.55-13.00]	9.93 [8.55-13.00]	1468 (27.5%)	9.98 [8.55-13.00]	9.93 [8.72-13.00]	582 (28.3%)	9.99 [8.72-13.00]	9.93 [8.85-13.00]	645 (27.9%)	9.99 [8.85
years, median [range]	14 years	13.82 [12.59-17.11]	5444 (61.1%)	13.83 [12.59-17.11]	13.80 [12.59-16.68]	2078 (38.9%)	13.82 [12.59-16.68]	13.84 [12.59-17.11]	0 (0%)	13.84 [12.59-17.11]	13.83 [12.59-17.11]	0 (0%)	13.83 [12.5
Total brain volume (TBV), cm ³ , mean (SD)	10 years 14 years	1199.70 (115.54) 1223.00 (114.18)	7495 (84.1%) 6863 (77%)	1196.35 (92.28) 1223.15 (90.00)	1199.40 (115.04) 1225.00 (113.16)	3925 (73.5%) 3424 (64.1%)	1196.76 (97.54) 1223.80 (95.45)	1199.10 (115.25) 1223.00 (114.11)	645 (31.4%) 0 (0%)	1196.62 (114.28) 1223.00 (114.11)	1200.10 (115.33) 1223.00 (114.01)	935 (40.5%) 313 (13.6%)	1197.40 (1223.90 (
Grey matter volume (GMV),	10 years	752.80 (68.50)	7495 (84.1%)	750.28 (55.65)	752.70 (68.30)	3925 (73.5%)	750.72 (58.57)	752.40 (68.39)	645 (31.4%)	750.42 (67.88)	753.10 (68.52)	935 (40.5%)	750.97 (
cm³, mean (SD)	14 years 10 years	748.10 (66.58) 0.53 (0.03)	6863 (77%) 7384 (82.9%)	747.87 (53.34) 0.54 (0.02)	749.30 (66.00) 0.53 (0.03)	3424 (64.1%) 3811 (71.4%)	748.45 (56.34) 0.54 (0.02)	748.00 (66.50) 0.53 (0.03)	0 (0%) 727 (35.4%)	748.00 (66.50) 0.53 (0.03)	748.20 (66.52) 0.53 (0.03)	313 (13.6%) 801 (34.7%)	748.49 (0.53 (0
Global fractional anisotropy (FA), mean (SD)	14 years	0.55 (0.02)	6609 (74.2%)	0.55 (0.01)	0.55 (0.02)	3186 (59.7%)	0.55 (0.01)	0.55 (0.02)	55 (2.7%)	0.55 (0.02)	0.55 (0.02)	0 (0%)	0.55 (0
Global mean diffusivity (MD), mm²/sec × 10³, mean (SD)	10 years 14 years	0.82 (0.02) 0.80 (0.02)	7384 (82.9%) 6609 (74.2%)	0.82 (0.02) 0.80 (0.02)	0.82 (0.02) 0.80 (0.02)	3811 (71.4%) 3186 (59.7%)	0.82 (0.02) 0.80 (0.02)	0.82 (0.02) 0.80 (0.02)	727 (35.4%) 55 (2.7%)	0.82 (0.02) 0.80 (0.02)	0.82 (0.02) 0.80 (0.02)	801 (34.7%) 0 (0%)	0.82 (I 0.80 (I
Total intracranial volume,	10 years	1502.20 (143.10)	7495 (84.1%)	1499.73 (118.23)	1501.70 (142.49)	3925 (73.5%)	1500.19 (123.94)	1501.30 (142.95)	645 (31.4%)	1499.31 (143.08)	1502.40 (143.18)	935 (40.5%)	1500.48 (
cm ³ , mean (SD) Total cortical volume.	14 years 10 years	1573.70 (153.40) 573.60 (58.06)	6863 (77%) 7495 (84.1%)	1574.22 (125.23) 571.17 (47.79)	1575.00 (151.80) 573.50 (57.89)	3424 (64.1%) 3925 (73.5%)	1574.53 (131.46) 571.47 (49.99)	1573.60 (153.23) 573.20 (57.92)	0 (0%) 645 (31.4%)	1573.60 (153.23) 571.32 (57.53)	1574.00 (153.31) 573.80 (57.99)	313 (13.6%) 935 (40.5%)	1574.73 (571.72 (
cm ³ , mean (SD)	14 years	565.40 (54.62)	6863 (77%)	565.08 (43.99)	566.30 (54.18)	3424 (64.1%)	565.50 (46.30)	565.20 (54.55)	0 (0%)	565.20 (54.55)	565.30 (54.53)	313 (13.6%)	565.45 (
Total subcortical volume, cm ³ , mean (SD)	10 years 14 years	60.38 (4.64) 61.48 (4.83)	7495 (84.1%) 6863 (77%)	60.33 (3.77) 61.53 (3.93)	60.36 (4.60) 61.54 (4.80)	3925 (73.5%) 3424 (64.1%)	60.34 (3.97) 61.53 (4.14)	60.34 (4.62) 61.47 (4.82)	645 (31.4%) 0 (0%)	60.28 (4.61) 61.47 (4.82)	60.36 (4.64) 61.47 (4.80)	935 (40.5%) 313 (13.6%)	60.31 (61.50 (
White matter volume,	10 years	419.70 (50.11)	7495 (84.1%)	419.17 (40.97)	419.50 (49.81)	3925 (73.5%)	419.27 (42.91)	419.50 (49.88)	645 (31.4%)	419.19 (49.67)	419.80 (49.89)	935 (40.5%)	419.55 (
cm ³ , mean (SD)	14 years 10 years	447.60 (51.34) 0.91 (0.19)	6863 (77%) 5316 (59.6%)	447.57 (42.35) 0.91 (0.19)	448.00 (50.85) 0.90 (0.19)	3424 (64.1%) 1746 (32.7%)	447.71 (44.33) 0.91 (0.19)	447.60 (51.35) 0.90 (0.19)	0 (0%) 645 (31.4%)	447.60 (51.35) 0.90 (0.19)	447.60 (51.24) 0.90 (0.19)	313 (13.6%) 721 (31.2%)	447.87 (
CSF volume, cm³, mean (SD)	14 years	0.93 (0.21)	5607 (62.9%)	0.93 (0.21)	0.93 (0.21)	2229 (41.7%)	0.93 (0.21)	0.93 (0.18)	0 (0%)	0.93 (0.18)	0.93 (0.19)	16 (0.7%)	0.91 (i 0.93 (i
Brainstem volume, cm³. mean (SD)	10 years	18.64 (1.90)	5316 (59.6%)	18.66 (1.79)	18.64 (1.90)	1746 (32.7%)	18.66 (1.86)	18.62 (1.92)	645 (31.4%)	18.63 (1.93)	18.64 (1.93)	721 (31.2%)	18.65 (
Cerebellum cortical volume,	14 years 10 years	20.18 (2.30) 58.86 (5.65)	5607 (62.9%) 5316 (59.6%)	20.22 (2.14) 58.86 (5.36)	20.18 (2.30) 58.85 (5.65)	2229 (41.7%) 1746 (32.7%)	20.21 (2.22) 58.87 (5.54)	20.20 (2.09) 58.85 (5.73)	0 (0%) 645 (31.4%)	20.20 (2.09) 58.81 (5.73)	20.20 (2.09) 59.00 (5.75)	16 (0.7%) 721 (31.2%)	20.20 (58.91 (
cm3, mean (SD)	14 years	59.36 (7.78)	5607 (62.9%)	59.37 (7.47)	59.40 (7.83)	2229 (41.7%)	59.41 (7.66)	60.21 (5.96)	0 (0%)	60.21 (5.96)	60.34 (5.97)	16 (0.7%)	60.33 (
Cerebellum subcortical volume, cm ³ , mean (SD)	10 years 14 years	13.05 (1.46) 13.26 (1.91)	5316 (59.6%) 5607 (62.9%)	13.07 (1.39) 13.30 (1.86)	13.05 (1.46) 13.26 (1.93)	1746 (32.7%) 2229 (41.7%)	13.06 (1.43) 13.28 (1.89)	13.03 (1.47) 13.31 (1.44)	645 (31.4%) 0 (0%)	13.04 (1.46) 13.31 (1.44)	13.06 (1.49) 13.32 (1.45)	721 (31.2%) 16 (0.7%)	13.06 (13.32 (
Accumbens,	10 years	0.68 (0.10)	7495 (84.1%)	0.68 (0.09)	0.68 (0.10)	3925 (73.5%)	0.68 (0.09)	0.68 (0.10)	645 (31.4%)	0.67 (0.10)	0.68 (0.10)	935 (40.5%)	0.67 (0
cm³, mean (SD) Amygdala,	14 years 10 years	0.67 (0.09) 1.76 (0.20)	6863 (77%) 7495 (84.1%)	0.67 (0.09) 1.76 (0.18)	0.67 (0.09) 1.76 (0.20)	3424 (64.1%) 3925 (73.5%)	0.67 (0.09) 1.76 (0.18)	0.67 (0.09) 1.76 (0.20)	0 (0%) 645 (31.4%)	0.67 (0.09) 1.76 (0.20)	0.67 (0.09) 1.76 (0.20)	313 (13.6%) 935 (40.5%)	0.67 (I
cm ³ , mean (SD)	14 years	1.79 (0.20)	6863 (77%)	1.80 (0.18)	1.80 (0.20)	3424 (64.1%)	1.80 (0.18)	1.80 (0.20)	0 (0%)	1.80 (0.20)	1.79 (0.20)	313 (13.6%)	1.80 (
Caudate, cm ³ , mean (SD)	10 years 14 years	4.05 (0.50) 4.04 (0.48)	7495 (84.1%) 6863 (77%)	4.04 (0.46) 4.04 (0.43)	4.05 (0.49) 4.05 (0.47)	3925 (73.5%) 3424 (64.1%)	4.04 (0.47) 4.04 (0.44)	4.04 (0.50) 4.04 (0.48)	645 (31.4%) 0 (0%)	4.04 (0.50) 4.04 (0.48)	4.05 (0.50) 4.04 (0.48)	935 (40.5%) 313 (13.6%)	4.04 (0 4.05 (0
Hippocampus,	14 years 10 years	4.04 (0.48)	7495 (84.1%)	4.04 (0.43)	4.05 (0.47)	3925 (73.5%)	4.02 (0.33)	4.04 (0.48)	645 (31.4%)	4.04 (0.48)	4.04 (0.48)	935 (40.5%)	4.01 (
cm³, mean (SD) Pallidum.	14 years 10 years	4.16 (0.38) 1.96 (0.20)	6863 (77%) 7495 (84.1%)	4.16 (0.33) 1.96 (0.18)	4.17 (0.38) 1.96 (0.20)	3424 (64.1%) 3925 (73.5%)	4.17 (0.34) 1.96 (0.19)	4.16 (0.38) 1.95 (0.20)	0 (0%) 645 (31.4%)	4.16 (0.38) 1.95 (0.20)	4.16 (0.38) 1.96 (0.20)	313 (13.6%) 935 (40.5%)	4.16 (I
Pallidum, cm ³ , mean (SD)	10 years 14 years	1.96 (0.20) 2.04 (0.21)	7495 (84.1%) 6863 (77%)	1.96 (0.18) 2.04 (0.18)	1.96 (0.20) 2.04 (0.21)	3925 (73.5%) 3424 (64.1%)	1.96 (0.19) 2.04 (0.19)	1.95 (0.20) 2.04 (0.21)	645 (31.4%) 0 (0%)	1.95 (0.20) 2.04 (0.21)	1.96 (0.20) 2.04 (0.21)	935 (40.5%) 313 (13.6%)	1.95 (i 2.04 (i
Putamen, cm³, mean (SD)	10 years	5.35 (0.56)	7495 (84.1%)	5.35 (0.50)	5.35 (0.56)	3925 (73.5%)	5.35 (0.51)	5.35 (0.56)	645 (31.4%)	5.35 (0.56)	5.35 (0.56)	935 (40.5%)	5.35 (
Thalamus,	14 years 10 years	5.33 (0.55) 7.45 (0.68)	6863 (77%) 7495 (84.1%)	5.33 (0.50) 7.44 (0.57)	5.33 (0.56) 7.45 (0.67)	3424 (64.1%) 3925 (73.5%)	5.33 (0.51) 7.44 (0.60)	5.32 (0.55) 7.45 (0.67)	0 (0%) 645 (31.4%)	5.32 (0.55) 7.44 (0.67)	5.33 (0.55) 7.45 (0.68)	313 (13.6%) 935 (40.5%)	5.33 (I 7.44 (I
cm ³ , mean (SD)	14 years	7.58 (0.72)	6863 (77%)	7.59 (0.61)	7.58 (0.72)	3424 (64.1%) 3822 (71.6%)	7.58 (0.64)	7.58 (0.72)	0 (0%)	7.58 (0.72)	7.58 (0.72)	313 (13.6%)	7.58 (
Cingulate gyrus FA, mean (SD)	10 years 14 years	0.52 (0.05) 0.56 (0.03)	7395 (83%) 6609 (74.2%)	0.52 (0.05) 0.56 (0.03)	0.52 (0.05) 0.56 (0.03)	3822 (71.6%) 3186 (59.7%)	0.52 (0.05) 0.56 (0.03)	0.52 (0.05) 0.56 (0.03)	737 (35.9%) 55 (2.7%)	0.52 (0.05) 0.56 (0.03)	0.52 (0.05) 0.56 (0.03)	812 (35.2%) 0 (0%)	0.52 (I 0.56 (I
Cortico-spinal tract FA, mean (SD)	10 years 14 years	0.60 (0.02) 0.60 (0.02)	7395 (83%)	0.60 (0.02)	0.60 (0.02) 0.60 (0.02)	3822 (71.6%)	0.60 (0.02) 0.60 (0.02)	0.60 (0.02)	737 (35.9%)	0.60 (0.02)	0.60 (0.02)	812 (35.2%)	0.60 (
Uncinate fasciculus FA	14 years 10 years	0.60 (0.02)	6609 (74.2%) 7388 (82.9%)	0.60 (0.02) 0.47 (0.03)	0.60 (0.02)	3186 (59.7%) 3815 (71.4%)	0.60 (0.02)	0.60 (0.02) 0.47 (0.04)	55 (2.7%) 731 (35.6%)	0.60 (0.02) 0.47 (0.04)	0.60 (0.02) 0.47 (0.04)	0 (0%) 805 (34.9%)	0.60 (0.47 (
mean (SD)	14 years	0.48 (0.02)	6609 (74.2%)	0.48 (0.02)	0.48 (0.02)	3186 (59.7%)	0.48 (0.02)	0.48 (0.02)	55 (2.7%)	0.48 (0.02)	0.48 (0.02)	0 (0%)	0.48 (
ferior longitudinal fasciculus FA, mean (SD)	10 years 14 years	0.50 (0.03) 0.52 (0.02)	7388 (82.9%) 6609 (74.2%)	0.50 (0.03) 0.52 (0.02)	0.50 (0.03) 0.52 (0.02)	3815 (71.4%) 3186 (59.7%)	0.50 (0.03) 0.52 (0.02)	0.50 (0.03) 0.52 (0.02)	731 (35.6%) 55 (2.7%)	0.50 (0.03) 0.52 (0.02)	0.50 (0.03) 0.52 (0.02)	805 (34.9%) 0 (0%)	0.50 (0.52 (
perior longitudinal fasciculus FA, mean (SD)	10 years	0.47 (0.03)	7387 (82.9%)	0.48 (0.03)	0.47 (0.03)	3814 (71.4%)	0.48 (0.03)	0.48 (0.03)	730 (35.5%)	0.48 (0.03)	0.47 (0.03)	804 (34.8%)	0.48 (
Major forceps FA	14 years 10 years	0.48 (0.02) 0.66 (0.04)	6609 (74.2%) 7389 (82.9%)	0.48 (0.02) 0.67 (0.04)	0.48 (0.02) 0.66 (0.04)	3186 (59.7%) 3816 (71.4%)	0.48 (0.02) 0.67 (0.04)	0.48 (0.02) 0.66 (0.04)	55 (2.7%) 732 (35.6%)	0.48 (0.02) 0.66 (0.04)	0.48 (0.02) 0.66 (0.04)	0 (0%) 806 (34.9%)	0.48 (
mean (SD)	14 years 10 years	0.68 (0.03) 0.65 (0.04)	6609 (74.2%) 7390 (82.9%)	0.68 (0.03) 0.65 (0.03)	0.68 (0.03) 0.65 (0.04)	3186 (59.7%) 3817 (71.5%)	0.68 (0.03) 0.65 (0.04)	0.68 (0.03) 0.65 (0.04)	55 (2.7%) 733 (35.7%)	0.68 (0.03) 0.65 (0.04)	0.68 (0.03) 0.65 (0.04)	0 (0%) 807 (35%)	0.68 (
Minor forceps FA, mean (SD)	14 years	0.65 (0.03)	6609 (74.2%)	0.65 (0.03)	0.65 (0.03)	3186 (59.7%)	0.65 (0.03)	0.65 (0.03)	55 (2.7%)	0.65 (0.03)	0.65 (0.03)	0 (0%)	0.65 (
Cingulate gyrus MD, mm ² /sec × 10 ³ , mean (SD)	10 years 14 years	0.84 (0.03) 0.82 (0.02)	7395 (83%) 6609 (74.2%)	0.84 (0.03) 0.82 (0.02)	0.84 (0.03) 0.82 (0.02)	3822 (71.6%) 3186 (59.7%)	0.84 (0.03) 0.82 (0.02)	0.84 (0.03) 0.82 (0.02)	737 (35.9%) 55 (2.7%)	0.84 (0.03) 0.82 (0.02)	0.84 (0.03) 0.82 (0.02)	812 (35.2%) 0 (0%)	0.84 (I 0.82 (I
Cortico-spinal tract MD,	10 years	0.77 (0.02)	7395 (83%)	0.77 (0.02)	0.77 (0.02)	3822 (71.6%)	0.77 (0.02)	0.77 (0.02)	737 (35.9%)	0.77 (0.02)	0.77 (0.02)	812 (35.2%)	0.77 (
mm ² /sec × 10 ³ , mean (SD) Uncinate fasciculus MD,	14 years 10 years	0.76 (0.02) 0.84 (0.03)	6609 (74.2%) 7388 (82.9%)	0.76 (0.01) 0.84 (0.02)	0.76 (0.02) 0.84 (0.03)	3186 (59.7%) 3815 (71.4%)	0.76 (0.01) 0.84 (0.02)	0.76 (0.02) 0.84 (0.03)	55 (2.7%) 731 (35.6%)	0.76 (0.02) 0.84 (0.03)	0.76 (0.02) 0.84 (0.03)	0 (0%) 805 (34.9%)	0.76 (
mm²/sec × 10³, mean (SD)	14 years	0.82 (0.02)	6609 (74.2%)	0.82 (0.02)	0.82 (0.02)	3186 (59.7%)	0.82 (0.02)	0.82 (0.02)	55 (2.7%)	0.82 (0.02)	0.82 (0.02)	0 (0%)	0.82 (0
ferior longitudinal fasciculus MD, mm²/sec × 10³, mean (SD)	10 years 14 years	0.86 (0.03) 0.84 (0.02)	7388 (82.9%) 6609 (74.2%)	0.86 (0.02) 0.84 (0.02)	0.86 (0.03) 0.84 (0.02)	3815 (71.4%) 3186 (59.7%)	0.86 (0.03) 0.84 (0.02)	0.86 (0.03) 0.84 (0.02)	731 (35.6%) 55 (2.7%)	0.86 (0.03) 0.84 (0.02)	0.86 (0.03) 0.84 (0.02)	805 (34.9%) 0 (0%)	0.86 (0
Superior longitudinal fasciculus MD.	14 years 10 years	0.79 (0.03)	7387 (82.9%)	0.79 (0.02)	0.79 (0.03)	3814 (71.4%)	0.79 (0.02)	0.84 (0.02)	730 (35.5%)	0.79 (0.03)	0.84 (0.02)	804 (34.8%)	0.84 (0
mm ² /sec × 10 ³ , mean (SD)	14 years 10 years	0.78 (0.02) 0.86 (0.07)	6609 (74.2%) 7389 (82.9%)	0.78 (0.02) 0.86 (0.06)	0.78 (0.02) 0.86 (0.07)	3186 (59.7%) 3816 (71.4%)	0.78 (0.02) 0.86 (0.06)	0.78 (0.02) 0.86 (0.07)	55 (2.7%) 732 (35.6%)	0.78 (0.02) 0.86 (0.06)	0.78 (0.02) 0.86 (0.07)	0 (0%) 806 (34.9%)	0.78 (0
*****	III VEARS	U.66 (U.U7)					0.86 (0.06) 0.84 (0.05)	0.86 (0.07) 0.84 (0.05)	732 (35.6%) 55 (2.7%)	0.86 (0.06) 0.84 (0.05)	0.86 (0.07) 0.84 (0.05)	806 (34.9%) 0 (0%)	0.86 (0
Major forceps MD, mm²/sec × 10³, mean (SD)	14 years	0.84 (0.05)	6609 (74.2%)	0.84 (0.05)	0.84 (0.05)	3186 (59.7%)	0.04 (0.00)	0.04 (0.00)	00 (2.170)			0 (070)	0.04 (1

ereport mean and standard deviation (SD) for normally distributed continuous variables; we report median and range for non-normally distributed continuous variables. Household income: low = < €1600 /month; medium = between €1600 and € 4000 /month; high = > € 4000 /month

^{*} Full sample = 9749 alive at birth - 243 twins = 9506 - 594 siblings = 8912;

* Main sample = 9506 nor-twin alive births - 3800 not present at 10-year visit = 5706 - 365 siblings = 5341;

* MRI sample = 9749 alive at birth - 6024 did not consent/not invited to 14-year MRI visit = 3725 - 1102 (had braces) 25 (incidental findings) 43 (technical errors) 390 (not passing QC) = 2165 - 54 twins = 2111 - 57 siblings = 2054;

* DTI sample = 9749 alive at birth - 6024 did not consent/not invited to 14-year MRI visit = 3725 - 1102 (had braces) 25 (incidental findings) 105 (technical errors) 38 (not passing QC) = 2465 - 63 twins = 2392 - 69 siblings = 2323;

Table S2 - Correlation matrix

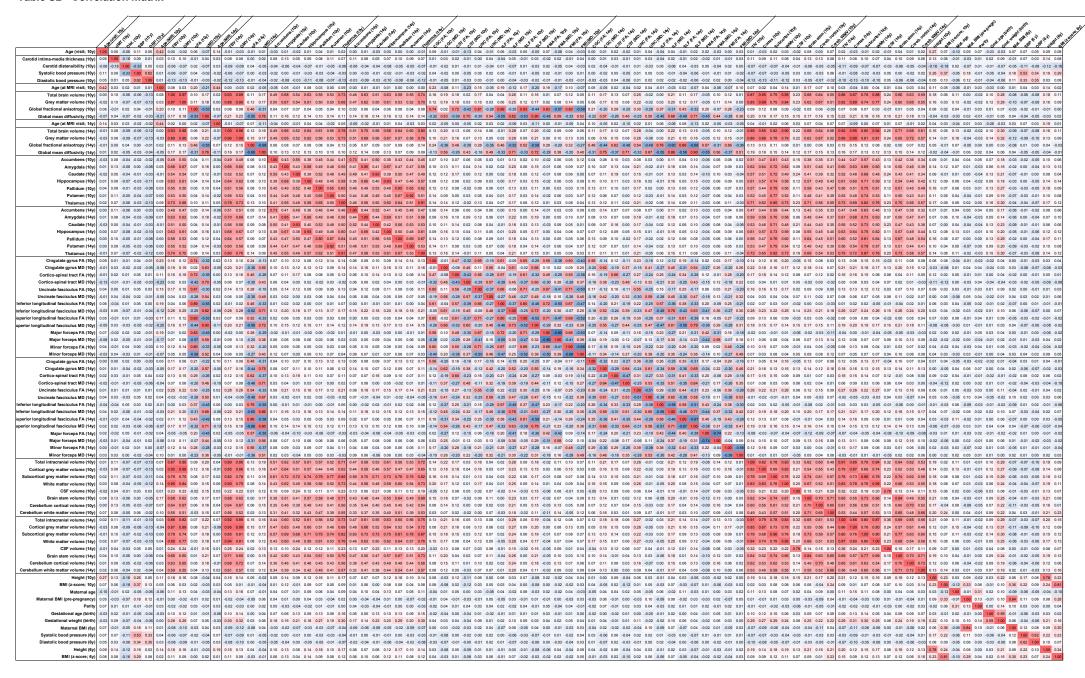


Table S3 - Main results

		CAROTIE	O INTIMA	-MEDIA TH	ICKNES	S (IMT)						c	AROTID	DISTENSI	BILITY				
	Predictor	Beta	SE	Statistic	Df	P _{unadjusted}	P _{FDR}	LCI	UCI		Predictor	Beta		Statistic	Df	P _{unadjusted}	P _{FDR}	LCI	UCI
			Tota	brain volu	ıme (TBV)							Total I	brain volu	me (TBV				
	(Intercept)	-1.78	0.53	-3.36	294.7	0.001	0.004	-2.82	-0.74		(Intercept)	-1.85	0.52	-3.54	334.6	0.000	0.000	-2.88	-0.82
del (2	IMT (z-score)	0.02	0.02	1.25	77.1	0.216	0.432	-0.01	0.06	model =.17)	Distensibility (z-score)	0.00	0.02	0.21	107.3	0.835	0.835	-0.03	0.04
Base model $(R^2 = .17)$	Female sex	-0.76	0.03	-24.87	172.2	0.000	0.000	-0.82	-0.70	e mode = .17)	Female sex	-0.77	0.03	-25.51	201.8	0.000	0.000	-0.82	-0.71
Bası (R²	Age at MRI Age delta	-0.09 0.09	0.05 0.04	-1.98 2.22	315.2 230.5	0.049 0.027	0.158 0.108	-0.18 0.01	0.00	Base (R² :	Age at MRI Age delta	-0.09 0.09	0.05 0.04	-1.97 2.22	331.7 236.4	0.050 0.028	0.164 0.112	-0.18 0.01	0.00 0.17
	Height	0.02	0.00	9.23	209.0	0.000	0.000	0.02	0.03		Height	0.02	0.00	9.01	147.1	0.000	0.000	0.02	0.03
	(Intercept)	-2.39	0.56	-4.27	209.1	0.000	0.000	-3.49	-1.29		(Intercept)	-2.47	0.55	-4.47	233.3	0.000	0.000	-3.56	-1.38
	IMT (z-score)	0.03	0.02	1.46	72.8	0.149	0.397	-0.01	0.06		Distensibility (z-score)	0.01	0.02	0.37	101.1	0.712	0.835	-0.03	0.04
ge	Female sex	-0.76	0.03	-25.17	169.1	0.000	0.000	-0.82	-0.70	del	Female sex	-0.77	0.03	-25.81	195.5	0.000	0.000	-0.82	-0.71
Fully adjusted model (R ² = .19)	Age at MRI	-0.01	0.05	-0.13	284.8	0.894	0.894	-0.10	0.08	adjusted model $(R^2 = .19)$	Age at MRI	-0.01	0.05	-0.13	291.9	0.897	0.897	-0.10	0.08
usted r = .19)	Age delta	0.02	0.04	0.58	224.0	0.561	0.784	-0.06	0.11	sted r = .19)	Age delta	0.02	0.04	0.58	228.4	0.564	0.795	-0.06	0.11
adju (R²	Height	0.02	0.00	7.36	259.4	0.000	0.000	0.01	0.02	adjı (R²	Height	0.02	0.00	7.35	186.5	0.000	0.000	0.01	0.02
Fully	Non-European ethnicity BMI (z-score)	-0.25 0.05	0.03	-7.83 3.02	480.0 202.4	0.000	0.000 0.012	-0.31 0.02	-0.19 0.07	Fully	Non-European ethnicity BMI (z-score)	-0.25 0.05	0.03	-7.81 3.10	534.7 206.2	0.000	0.000	-0.31 0.02	-0.18 0.08
	Parental education	0.03	0.02	3.85	147.7	0.000	0.012	0.02	0.07		Parental education	0.03	0.02	3.10	150.5	0.002	0.000	0.02	0.04
	Maternal age	0.03	0.00	1.87	233.7	0.063	0.126	0.00	0.01		Maternal age	0.03	0.00	1.86	237.2	0.064	0.128	0.00	0.01
				matter volu			*****							natter volu					
	(Intercept)	-0.64	0.52	-1.23	354.2	0.221	0.221	-1.66	0.39		(Intercept)	-0.72	0.52	-1.38	360.1	0.167	0.167	-1.74	0.30
<u>e</u> _	IMT (z-score)	0.03	0.02	1.48	92.7	0.143	0.397	-0.01	0.06	<u>e</u> (Distensibility (z-score)	0.00	0.02	0.21	130.7	0.835	0.835	-0.03	0.04
model = .17)	Female sex	-0.77	0.03	-24.86	157.7	0.000	0.000	-0.83	-0.71	= .17)	Female sex	-0.77	0.03	-24.82	148.0	0.000	0.000	-0.83	-0.71
Base (R² =	Age at MRI	-0.16	0.05	-3.24	159.7	0.001	0.008	-0.25	-0.06	Base (R² :	Age at MRI	-0.16	0.05	-3.23	161.8	0.002	0.016	-0.25	-0.06
Ш	Age delta	0.11	0.05	2.25	101.1	0.027	0.108	0.01	0.20	В	Age delta	0.11	0.05	2.24	100.8	0.028	0.112	0.01	0.20
	Height	0.02	0.00	8.41	194.4	0.000	0.000	0.02	0.02		Height	0.02	0.00	8.28	142.0	0.000	0.000	0.02	0.03
	(Intercept) IMT (z-score)	-1.45 0.03	0.56	-2.60 1.75	206.0 87.4	0.010	0.020	-2.55 0.00	-0.35 0.06		(Intercept) Distensibility (z-score)	-1.54 0.00	0.56	-2.78 0.22	215.5 122.9	0.006 0.825	0.012 0.835	-2.64 -0.03	-0.45 0.04
-	Female sex	-0.77	0.02	-25.20	151.7	0.000	0.000	-0.83	-0.71	-	Female sex	-0.77	0.02	-25.18	142.9	0.000	0.000	-0.03	-0.71
adjusted model $(R^2 = .20)$	Age at MRI	-0.06	0.05	-1.27	131.8	0.207	0.276	-0.16	0.04	adjusted model $(R^2 = .20)$	Age at MRI	-0.06	0.05	-1.26	131.8	0.209	0.279	-0.16	0.04
sted r = .20)	Age delta	0.03	0.05	0.59	91.5	0.554	0.784	-0.07	0.12	ted r .20)	Age delta	0.03	0.05	0.59	91.1	0.556	0.795	-0.07	0.12
adjus (R² =	Height	0.02	0.00	6.45	180.3	0.000	0.000	0.01	0.02	adjust (R² = .	Height	0.02	0.00	6.48	140.9	0.000	0.000	0.01	0.02
Fully a	Non-European ethnicity	-0.27	0.03	-7.89	205.1	0.000	0.000	-0.33	-0.20	Fully a	Non-European ethnicity	-0.26	0.03	-7.83	210.8	0.000	0.000	-0.33	-0.20
ı,	BMI (z-score)	0.03	0.02	2.10	164.5	0.037	0.074	0.00	0.06	Ę.	BMI (z-score)	0.03	0.02	2.18	170.3	0.031	0.062	0.00	0.06
	Parental education	0.03	0.01	4.41	132.4	0.000	0.000	0.02	0.05		Parental education	0.03	0.01	4.48	134.3	0.000	0.000	0.02	0.05
	Maternal age	0.01	0.00	2.25 actional ar	232.5	0.025	0.100	0.00	0.01		Maternal age	0.01	0.00	2.23 ectional an	231.4	0.026	0.104	0.00	0.01
	(Intercept)	-1.24	0.60	-2.07	200.5	0.040	0.046	-2.43	-0.06		(Intercept)	-1.27	0.59	-2.14	227.6	0.033	0.038	-2.44	-0.10
_	IMT (z-score)	-0.01	0.02	-0.28	136.9	0.780	0.827	-0.04	0.03	-	Distensibility (z-score)	0.02	0.02	0.96	131.0	0.338	0.756	-0.02	0.05
model <.01)	Female sex	-0.02	0.03	-0.68	226.4	0.499	0.509	-0.09	0.04	model <.01)	Female sex	-0.02	0.03	-0.73	197.5	0.465	0.476	-0.09	0.04
Base n (R² <	Age at MRI	0.04	0.05	0.73	138.6	0.466	0.533	-0.07	0.15	Base n (R² <	Age at MRI	0.04	0.05	0.72	139.8	0.471	0.538	-0.07	0.15
Bg)	Age delta	0.03	0.05	0.55	137.7	0.581	0.784	-0.07	0.12	Ba	Age delta	0.03	0.05	0.54	139.7	0.590	0.795	-0.07	0.12
	Height	0.00	0.00	1.67	226.9	0.097	0.155	0.00	0.01		Height	0.00	0.00	1.70	159.4	0.091	0.146	0.00	0.01
	(Intercept)	-1.68	0.62	-2.69	204.2	0.008	0.020	-2.90	-0.45		(Intercept)	-1.69	0.62	-2.75	223.3	0.006	0.012	-2.90	-0.48
	IMT (z-score)	0.00	0.02	-0.22	132.5	0.827	0.827	-0.04	0.03		Distensibility (z-score)	0.02	0.02	0.89	142.7	0.378	0.756	-0.02	0.05
odel	Female sex	-0.02	0.03	-0.66	221.9	0.509	0.509	-0.09	0.04	odel	Female sex	-0.02	0.03	-0.71	197.8	0.476	0.476	-0.09	0.04
Fully adjusted model (R ² = .01)	Age at MRI Age delta	0.07	0.05 0.05	1.27 0.06	150.6 141.1	0.206 0.952	0.276 0.952	-0.04 -0.09	0.18 0.10	adjusted model (R² = .01)	Age at MRI Age delta	0.07	0.05 0.05	1.26 0.05	150.9 141.9	0.209 0.962	0.279 0.962	-0.04 -0.10	0.17 0.10
juste ²= .	Height	0.00	0.00	1.27	222.1	0.207	0.276	0.00	0.01	juste	Height	0.00	0.00	1.29	167.3	0.198	0.264	0.00	0.01
ly adj (R ²	Non-European ethnicity	-0.05	0.04	-1.25	274.6	0.212	0.283	-0.12	0.03	ly adj (R²́	Non-European ethnicity	-0.05	0.04	-1.28	274.3	0.200	0.267	-0.12	0.03
F	BMI (z-score)	0.00	0.02	0.04	121.6	0.969	0.969	-0.03	0.04	Fully	BMI (z-score)	0.00	0.02	0.15	129.0	0.878	0.878	-0.03	0.04
	Parental education	0.01	0.01	1.78	270.6	0.076	0.101	0.00	0.03		Parental education	0.01	0.01	1.77	278.6	0.078	0.104	0.00	0.03
	Maternal age	0.01	0.00	1.42	209.6	0.159	0.212	0.00	0.01		Maternal age	0.01	0.00	1.41	210.2	0.159	0.212	0.00	0.01
				mean diffu										nean diffu					
	(Intercept)	1.49	0.62	2.43	159.5	0.016	0.026	0.28	2.71		(Intercept)	1.50	0.62	2.42	150.6	0.017	0.027	0.27	2.72
Base model $(R^2 = .01)$	IMT (z-score) Female sex	0.01 -0.16	0.02	0.75 -5.14	187.6 300.4	0.453	0.604	-0.02 -0.22	0.05 -0.10	= .01)	Distensibility (z-score) Female sex	-0.02 -0.16	0.02	-0.97 -5.10	146.0 286.7	0.335	0.756	-0.05 -0.22	0.02 -0.10
se m	Age at MRI	-0.16	0.05	-1.79	297.3	0.000	0.000	-0.22	0.01	se m	Age at MRI	-0.10	0.05	-1.78	290.5	0.000	0.164	-0.22	0.01
Ba: (R	Age delta	-0.02	0.05	-0.41	169.5	0.686	0.784	-0.11	0.07	Base (R² =	Age delta	-0.02	0.05	-0.39	166.8	0.696	0.795	-0.11	0.08
	Height	0.00	0.00	-0.27	131.1	0.791	0.904	-0.01	0.01		Height	0.00	0.00	-0.30	118.5	0.763	0.872	-0.01	0.01
	(Intercept)	1.44	0.62	2.33	208.4	0.021	0.028	0.22	2.66		(Intercept)	1.44	0.62	2.30	194.7	0.022	0.029	0.21	2.66
	IMT (z-score)	0.01	0.02	0.80	193.0	0.427	0.604	-0.02	0.05		Distensibility (z-score)	-0.02	0.02	-1.15	158.1	0.251	0.756	-0.05	0.01
odel	Female sex	-0.16	0.03	-5.15	283.8	0.000	0.000	-0.23	-0.10	lebc	Female sex	-0.16	0.03	-5.11	272.5	0.000	0.000	-0.22	-0.10
d mc	Age at MRI	-0.09	0.05	-1.76	361.0	0.079	0.158	-0.18	0.01	d mc	Age at MRI	-0.09	0.05	-1.75	351.6	0.082	0.164	-0.18	0.01
usted rr = .01)	Age delta	-0.02	0.05	-0.43	195.5	0.671	0.784	-0.11	0.07	usted rr = .01)	Age delta	-0.02	0.05	-0.41	192.2	0.686	0.795	-0.11	0.07
Fully adjusted model (R ² = .01)	Height	0.00	0.00	-0.02	152.8	0.981	0.981	-0.01	0.01	Fully adjusted model (R ² = .01)	Height	0.00	0.00	-0.05	135.7	0.960	0.960	-0.01	0.01
Fully	Non-European ethnicity BMI (z-score)	-0.01 -0.02	0.04	-0.24 -1.08	209.1 109.6	0.809 0.282	0.809 0.376	-0.08 -0.06	0.07	Fully	Non-European ethnicity BMI (z-score)	-0.01 -0.02	0.04	-0.18 -1.22	211.6 117.4	0.858 0.226	0.858 0.301	-0.08 -0.06	0.07 0.01
	Parental education	0.02	0.02	0.22	127.5	0.823	0.823	-0.00	0.02		Parental education	0.00	0.02	0.26	127.9	0.797	0.797	-0.00	0.01
1	Maternal age	0.00	0.00	-0.58	168.2	0.560	0.560	-0.01	0.02	1	Maternal age	0.00	0.00	-0.59	167.4	0.559	0.559	-0.01	0.01
	iviaterriar auc																		

^{*}SE= standard error; Df = degrees of freedom; FDR = false discovery rate; LCI = lower limit of the 95% confidence interval; UCI = upper limit of the 95% confidence interval

Table S3 - Main results (cont'd)

Sept			SYST	OLIC BLC	OD PRES	SURE (SI	3P)						DIASTO	OLIC BLO	OD PRES	SURE (DE	BP)			
Selection Column		Predictor	Beta	SE	Statistic	Df	Punadjusted	P _{FDR}	LCI	UCI		Predictor	Beta	SE	Statistic	Df F	unadjusted	P _{FDR}	LCI	UCI
Part						ıme (TBV)	1									, ,				
Part		` ' '																		-0.90 -0.02
## Age alselfe 0.00 0.05 1-150 0.071 0.000 0.044 0.015 0.000 0.045 0.015 0.000 0.000 0.015 0.0000 0.000 0.000 0.000 0.000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0	odel 17)										odel 17)									-0.02
Mile	se m																			0.00
Chemistry Chem	Ba F	-		0.04		230.6					Ba (F	-								0.17
Sign Face Control		Height	0.02	0.00	9.74	197.1	0.000	0.000	0.02	0.03		Height	0.02	0.00	9.45	180.8	0.000	0.000	0.02	0.03
Francisco																				-1.40
App of MPI Oxfo O																				-0.01
Bull Carborne 0.05 0.02 3.18 297.7 0.000	odel										ode									-0.70 0.08
Bull Carborne 0.05 0.02 3.18 297.7 0.000	ed m	=									19)	=								0.10
Bull Carborne 0.05 0.02 3.18 297.7 0.000	djust 2² =	=									djust	-								0.02
Peertial extraction O.3 O.0 1.07 2.75 1.51 0.000 0.000 0.01 0.000 0.01 0.000	lly a	Non-European ethnicity	-0.25	0.03	-7.87	567.4	0.000	0.000	-0.31	-0.18	lly a	Non-European ethnicity	-0.24	0.03	-7.78	571.5	0.000	0.000	-0.30	-0.18
Maternal age	ď	BMI (z-score)	0.06	0.02	3.82	287.7	0.000	0.000	0.03	0.09	교	BMI (z-score)	0.05	0.02	3.30	201.5	0.001	0.004	0.02	0.08
Grey matter volume (6MeV) Sept Composition Sept																				0.04
	Щ	Maternal age	0.01					0.126	0.00	0.01	Щ	Maternal age	0.01					0.148	0.00	0.01
SSP secure 0.05 0.02 3.00 125 0.00 0.004 0.08 0.02 0.08 0.02 0.08 0.00		(Intercent)	0.00					0.059	2.02	0.03		(Intercent)	0.80			-		0.117	1 91	0.20
Particle Sets Particle Set	<u></u>										<u></u>									-0.02
## Age at MRI 0-15 0.05 0.314 158.7 0.002 0.016 0.25 0.05 0.05 0.05 0.05 0.05 0.05 0.05	.17)										.17)									-0.70
Height 100 0.00	ase r R² =			0.05																-0.06
Part	E E	Age delta									— Bi	Age delta				104.1				0.19
SBP (#sacere) 0.05 0.02 2.42 13.25 0.010 0.030 0.08 0.01 1.07 1.																				0.03
Female sees -0.77 0.03 -0.48 6 137.0 0.000 0.000 -0.33 -0.71 Age at MRI -0.00 0.05 -1.23 18.8 0 223 0.237 0.06 0.05 Age at MRI -0.00 0.05 0.05 1.05 18.5 0.61 0.757 -0.07 0.12 BM (2-score) 0.05 0.02 2.87 182.0 0.05 0.010 0.01 0.05 BM (2-score) 0.05 0.02 2.87 182.0 0.05 0.010 0.01 0.05 BM (2-score) 0.05 0.02 2.87 182.0 0.05 0.010 0.01 0.05 BM (2-score) 0.05 0.02 2.87 182.0 0.05 0.010 0.01 0.05 BM (2-score) 0.05 0.02 2.87 182.0 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0												, ,,								-0.47
Age at Martin -0.06	_										-									-0.01 -0.71
Second Column C	node										node									0.04
Second Column C	ted r .20)	-									ted r .20)	-								0.12
Second Column C	idjus R²=	Height	0.02	0.00	7.00	161.7	0.000	0.000	0.01	0.02	idjus R² =	Height	0.02	0.00	6.66	155.3	0.000	0.000	0.01	0.02
Parental education 0.03 0.01 4.37 1421 0.000 0.000 0.02 0.05 Maternal age 0.01 0.00 2.4 2298 0.026 0.104 0.00 0.07 Maternal age 0.01 0.00 2.4 2298 0.026 0.104 0.00 0.07 Maternal age 0.01 0.00 2.4 2298 0.026 0.104 0.00 0.07 (leftcrospt) 1.125 0.00 2.08 2221 10.039 0.045 2.43 0.07 SBP (z-score) 0.00 0.02 2.2 131.4 0.083 0.676 0.07 0.07 Age at MRI 0.04 0.05 0.73 140.5 0.644 0.530 0.075 0.07 0.12 Height 0.00 0.00 1.65 219.2 0.101 0.162 0.00 0.01 Age at MRI 0.04 0.05 0.07 137.0 0.947 0.947 0.09 0.04 Fermale sex -0.02 0.03 -0.64 193.3 0.522 0.533 0.09 0.04 SSP (z-score) 0.00 0.00 2.02 0.03 -0.64 193.3 0.522 0.533 0.09 0.04 Fermale sex -0.02 0.03 -0.64 193.3 0.522 0.533 0.09 0.04 Fermale sex -0.02 0.03 -0.64 193.3 0.522 0.533 0.09 0.04 Fermale sex -0.02 0.03 -0.64 193.3 0.522 0.00 0.06 0.06 2.88 0.43 SSP (z-score) 0.00 0.00 0.02 0.02 0.03 0.64 193.3 0.522 0.533 0.09 0.04 Fermale sex -0.02 0.03 -0.64 193.3 0.522 0.533 0.09 0.04 Fermale sex -0.02 0.03 0.06 0.06 0.06 0.07 197.0 0.97 0.97 0.94 0.07 Age at MRI 0.07 0.05 0.07 197.0 0.94 0.97 0.94 0.07 Age at MRI 0.07 0.05 0.07 197.0 0.94 0.97 0.94 0.97 Age at MRI 0.07 0.05 0.07 197.0 0.94 0.97 0.94 0.97 Age at MRI 0.07 0.05 0.07 197.0 0.94 0.97 0.94 0.97 Age at MRI 0.07 0.05 0.07 197.0 0.94 0.97 0.94 0.97 Age at MRI 0.07 0.05 0.07 197.0 0.94 0.97 0.94 0.97 Age at MRI 0.07 0.05 0.07 197.0 0.94 0.97 0.97 0.97 0.97 Age at MRI 0.07 0.05 0.07 197.0 0.94 0.97 0.97 0.97 0.97 Age at MRI 0.07 0.05 0.07 197.0 0.97 0.97 0.97 0.97 Age at MRI 0.07 0.05 0.07 197.0 0.97 0.97 0.97 0.97 0.97 Age at MRI 0.07 0.05 0.07 0.07 0.97 0.97 0.97 0.97 Age at MRI 0.09 0.00 0.00 0.00 0.00 0.00 0.00 0.0	ylly 8	Non-European ethnicity	-0.26	0.03	-7.89	216.8	0.000	0.000	-0.33	-0.20	ylly 8	Non-European ethnicity	-0.26	0.03	-7.79	215.4	0.000	0.000	-0.33	-0.20
Maternal age	Œ										Œ									0.07
Global fractional anisotropy (FA)																				0.05 0.01
	<u> </u>	iviaterrial age						0.104	0.00	0.01	Ь—	iviaterriar age						0.124	0.00	0.01
Female sex		(Intercept)	-1.25	0.60	-2.08	222.1	0.039	0.045	-2.43	-0.07		(Intercept)					0.039	0.045	-2.41	-0.07
Age at MRI 0.04 0.05 0.73 140.5 0.464 0.530 0.07 0.15 0.07 0.07 0.15 0.07	<u>=</u> ~	SBP (z-score)	0.00	0.02	-0.22	131.4	0.828	0.876	-0.04	0.03	е (DBP (z-score)	-0.01	0.02	-0.32	114.7	0.754	0.862	-0.04	0.03
Age at MRI 0.04 0.05 0.73 140.5 0.464 0.530 0.07 0.15 0.07 0.07 0.15 0.07	m0.^		-0.02								m 0.>									0.05
Height 0.00 0.00 1.85 2192 0.101 0.192 0.00 0.01 (Intercept) -1.66 0.62 -2.67 216.7 0.008 0.016 -2.88 -0.43 SBP (z-score) 0.00 0.02 0.16 137.0 0.876 0.876 -0.03 0.04 Age at MRI 0.07 0.05 1.27 152.0 0.207 0.297 -0.04 0.17 BMI (z-score) 0.00 0.02 0.02 119.5 0.997 0.997 -0.04 0.09 Parental education 0.01 0.01 1.79 2864 0.075 0.010 0.00 Matemal age 0.01 0.00 1.42 211.7 0.157 0.209 0.00 0.01 BMI (z-score) 0.00 0.00 0.02 -0.14 184.3 0.888 0.988 0.01 0.01 Height 0.00 0.00 0.00 1.83 197.7 0.104 0.166 0.00 0.00 Matemal age 0.01 0.00 1.22 122.9 0.028 0.037 0.17 2.59 SBP (z-score) 0.00 0.00 0.00 1.17 7262 0.005 0.00 0.00 0.00 0.00 1.17 727 0.005 0.04 Height 0.00 0.00 1.23 197.4 0.020 0.00 0.00 Matemal age 0.01 0.00 1.42 211.7 0.157 0.209 0.00 0.01 BMI (z-score) 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.	3ase (R²	Age at MRI			0.73			0.530	-0.07	0.15	₽ ² 28	Age at MRI	0.04	0.05			0.461	0.527		0.15
Windercepti -1.66 0.62 -2.67 216.7 0.008 0.016 -2.88 -0.43		-			0.54			0 757		0.40	93		0.00	0.05			0.500	0.750		0.12
SBP (z-score) 0.00 0.02 0.16 137.0 0.876 0.876 0.03 0.04	ш	Age delta	0.03	0.05							Ba (=								
Age at MRI 0.07 0.05 1.27 152.0 0.207 0.297 -0.04 0.17	<u> </u>	Age delta Height	0.03 0.00	0.05 0.00	1.65	219.2	0.101	0.162	0.00	0.01	Ba (Height	0.00	0.00	1.63	197.7	0.104	0.166	0.00	-0.45
Age delta 0.00 0.05 0.07 137.0 0.947 0.947 -0.09 0.10 Height 0.00 0.00 1.20 14.2 0.233 0.311 0.00 0.01 Height 0.00 0.00 1.23 197.4 0.220 0.293 0.00 1.00 1.00 1.20 14.2 0.233 0.311 0.00 0.01 0.01 1.23 197.4 0.220 0.293 0.00 1.00 1.00 1.23 197.4 0.220 0.293 0.00 1.00 1.00 1.23 197.4 0.220 0.293 0.00 1.00 1.00 1.00 1.00 1.00 1.00 1.0		Age delta Height (Intercept)	0.03 0.00 -1.66	0.05 0.00 0.62	1.65 -2.67	219.2 216.7	0.101	0.162 0.016	0.00 -2.88	0.01 -0.43	Ba (Height (Intercept)	0.00 -1.67	0.00	1.63	197.7 217.9	0.104	0.166 0.014	0.00 -2.88	-0.45 0.04
Parental education 0.01 0.01 1.79 286.4 0.075 0.100 0.00 0.03 Maternal age 0.01 0.00 1.42 211.7 0.157 0.209 0.00 0.01 Color Colo		Age delta Height (Intercept) SBP (z-score)	0.03 0.00 -1.66 0.00	0.05 0.00 0.62 0.02	1.65 -2.67 0.16	219.2 216.7 137.0	0.101 0.008 0.876	0.162 0.016 0.876	0.00 -2.88 -0.03	0.01 -0.43 0.04		Height (Intercept) DBP (z-score)	0.00 -1.67 0.00	0.00 0.62 0.02	1.63 -2.70 0.03	197.7 217.9 109.5	0.104 0.007 0.975	0.166 0.014 0.975	0.00 -2.88 -0.04	-0.45
Parental education 0.01 0.01 1.79 286.4 0.075 0.100 0.00 0.03 Maternal age 0.01 0.00 1.42 211.7 0.157 0.209 0.00 0.01 Color Colo		Age delta Height (Intercept) SBP (z-score) Female sex	0.03 0.00 -1.66 0.00 -0.02	0.05 0.00 0.62 0.02 0.03	1.65 -2.67 0.16 -0.64	219.2 216.7 137.0 193.3	0.101 0.008 0.876 0.522	0.162 0.016 0.876 0.533	0.00 -2.88 -0.03 -0.09 -0.04	0.01 -0.43 0.04 0.04	model (Height (Intercept) DBP (z-score) Female sex	0.00 -1.67 0.00 -0.02	0.00 0.62 0.02 0.03	1.63 -2.70 0.03 -0.63	197.7 217.9 109.5 194.3	0.104 0.007 0.975 0.527	0.166 0.014 0.975 0.540	0.00 -2.88 -0.04 -0.09	-0.45 0.04
Parental education 0.01 0.01 1.79 286.4 0.075 0.100 0.00 0.03 Maternal age 0.01 0.00 1.42 211.7 0.157 0.209 0.00 0.01 Color Colo		Age delta Height (Intercept) SBP (z-score) Female sex Age at MRI Age delta	0.03 0.00 -1.66 0.00 -0.02 0.07 0.00	0.05 0.00 0.62 0.02 0.03 0.05	1.65 -2.67 0.16 -0.64 1.27 0.07	219.2 216.7 137.0 193.3 152.0 137.0	0.101 0.008 0.876 0.522 0.207 0.947	0.162 0.016 0.876 0.533 0.297 0.947	0.00 -2.88 -0.03 -0.09 -0.04 -0.09	0.01 -0.43 0.04 0.04 0.17 0.10	model (Height (Intercept) DBP (z-score) Female sex Age at MRI Age delta	0.00 -1.67 0.00 -0.02 0.07 0.00	0.00 0.62 0.02 0.03 0.05 0.05	1.63 -2.70 0.03 -0.63 1.27 0.06	197.7 217.9 109.5 194.3 150.9 140.1	0.104 0.007 0.975 0.527 0.206 0.952	0.166 0.014 0.975 0.540 0.291 0.952	0.00 -2.88 -0.04 -0.09 -0.04 -0.09	-0.45 0.04 0.04 0.18 0.10
Parental education 0.01 0.01 1.79 286.4 0.075 0.100 0.00 0.03 Maternal age 0.01 0.00 1.42 211.7 0.157 0.209 0.00 0.01 Coloal mean diffusivity (MD) Col		Age delta Height (Intercept) SBP (z-score) Female sex Age at MRI Age delta Height	0.03 0.00 -1.66 0.00 -0.02 0.07 0.00 0.00	0.05 0.00 0.62 0.02 0.03 0.05 0.05 0.00	1.65 -2.67 0.16 -0.64 1.27 0.07 1.20	219.2 216.7 137.0 193.3 152.0 137.0 214.2	0.101 0.008 0.876 0.522 0.207 0.947 0.233	0.162 0.016 0.876 0.533 0.297 0.947 0.311	0.00 -2.88 -0.03 -0.09 -0.04 -0.09 0.00	0.01 -0.43 0.04 0.04 0.17 0.10 0.01	adjusted model (R ² = .01)	Height (Intercept) DBP (z-score) Female sex Age at MRI Age delta Height	0.00 -1.67 0.00 -0.02 0.07 0.00 0.00	0.00 0.62 0.02 0.03 0.05 0.05 0.00	1.63 -2.70 0.03 -0.63 1.27 0.06 1.23	197.7 217.9 109.5 194.3 150.9 140.1 197.4	0.104 0.007 0.975 0.527 0.206 0.952 0.220	0.166 0.014 0.975 0.540 0.291 0.952 0.293	0.00 -2.88 -0.04 -0.09 -0.04 -0.09 0.00	-0.45 0.04 0.04 0.18 0.10 0.01
Comparison Com		Age delta Height (Intercept) SBP (z-score) Female sex Age at MRI Age delta Height Non-European ethnicity	0.03 0.00 -1.66 0.00 -0.02 0.07 0.00 0.00 -0.05	0.05 0.00 0.62 0.02 0.03 0.05 0.05 0.00	1.65 -2.67 0.16 -0.64 1.27 0.07 1.20 -1.26	219.2 216.7 137.0 193.3 152.0 137.0 214.2 278.9	0.101 0.008 0.876 0.522 0.207 0.947 0.233 0.208	0.162 0.016 0.876 0.533 0.297 0.947 0.311 0.277	0.00 -2.88 -0.03 -0.09 -0.04 -0.09 0.00 -0.12	0.01 -0.43 0.04 0.04 0.17 0.10 0.01 0.03	adjusted model (R ² = .01)	Height (Intercept) DBP (z-score) Female sex Age at MRI Age delta Height Non-European ethnicity	0.00 -1.67 0.00 -0.02 0.07 0.00 0.00 -0.05	0.00 0.62 0.02 0.03 0.05 0.05 0.00 0.04	1.63 -2.70 0.03 -0.63 1.27 0.06 1.23 -1.26	197.7 217.9 109.5 194.3 150.9 140.1 197.4 271.9	0.104 0.007 0.975 0.527 0.206 0.952 0.220 0.208	0.166 0.014 0.975 0.540 0.291 0.952 0.293 0.277	0.00 -2.88 -0.04 -0.09 -0.04 -0.09 0.00 -0.12	-0.45 0.04 0.04 0.18 0.10 0.01
Continue c		Age delta Height (Intercept) SBP (z-score) Female sex Age at MRI Age delta Height Non-European ethnicity BMI (z-score)	0.03 0.00 -1.66 0.00 -0.02 0.07 0.00 0.00 -0.05 0.00	0.05 0.00 0.62 0.02 0.03 0.05 0.05 0.00 0.04	1.65 -2.67 0.16 -0.64 1.27 0.07 1.20 -1.26 -0.02	219.2 216.7 137.0 193.3 152.0 137.0 214.2 278.9 119.5	0.101 0.008 0.876 0.522 0.207 0.947 0.233 0.208 0.987	0.162 0.016 0.876 0.533 0.297 0.947 0.311 0.277 0.987	0.00 -2.88 -0.03 -0.09 -0.04 -0.09 0.00 -0.12 -0.04	0.01 -0.43 0.04 0.04 0.17 0.10 0.01 0.03 0.04	adjusted model (R ² = .01)	Height (Intercept) DBP (z-score) Female sex Age at MRI Age delta Height Non-European ethnicity BMI (z-score)	0.00 -1.67 0.00 -0.02 0.07 0.00 0.00 -0.05 0.00	0.00 0.62 0.02 0.03 0.05 0.05 0.00 0.04 0.02	1.63 -2.70 0.03 -0.63 1.27 0.06 1.23 -1.26 0.03	197.7 217.9 109.5 194.3 150.9 140.1 197.4 271.9 113.7	0.104 0.007 0.975 0.527 0.206 0.952 0.220 0.208 0.978	0.166 0.014 0.975 0.540 0.291 0.952 0.293 0.277 0.978	0.00 -2.88 -0.04 -0.09 -0.04 -0.09 0.00 -0.12 -0.04	-0.45 0.04 0.04 0.18 0.10 0.01
SBP (z-score) -0.01 0.02 -0.81 135.4 0.420 0.672 -0.05 0.02 -0.05 -0.05 -0.05		Age delta Height (Intercept) SBP (z-score) Female sex Age at MRI Age delta Height Non-European ethnicity BMI (z-score) Parental education	0.03 0.00 -1.66 0.00 -0.02 0.07 0.00 0.00 -0.05 0.00 0.01	0.05 0.00 0.62 0.02 0.03 0.05 0.05 0.00 0.04 0.02 0.01	1.65 -2.67 0.16 -0.64 1.27 0.07 1.20 -1.26 -0.02	219.2 216.7 137.0 193.3 152.0 137.0 214.2 278.9 119.5	0.101 0.008 0.876 0.522 0.207 0.947 0.233 0.208 0.987 0.075	0.162 0.016 0.876 0.533 0.297 0.947 0.311 0.277 0.987 0.100	0.00 -2.88 -0.03 -0.09 -0.04 -0.09 0.00 -0.12 -0.04 0.00	0.01 -0.43 0.04 0.04 0.17 0.10 0.01 0.03 0.04 0.03	adjusted model (R ² = .01)	Height (Intercept) DBP (z-score) Female sex Age at MRI Age delta Height Non-European ethnicity BMI (z-score) Parental education	0.00 -1.67 0.00 -0.02 0.07 0.00 0.00 -0.05 0.00	0.00 0.62 0.02 0.03 0.05 0.05 0.00 0.04 0.02 0.01	1.63 -2.70 0.03 -0.63 1.27 0.06 1.23 -1.26 0.03 1.77	197.7 217.9 109.5 194.3 150.9 140.1 197.4 271.9 113.7	0.104 0.007 0.975 0.527 0.206 0.952 0.220 0.208 0.978	0.166 0.014 0.975 0.540 0.291 0.952 0.293 0.277 0.978 0.104	0.00 -2.88 -0.04 -0.09 -0.04 -0.09 0.00 -0.12 -0.04 0.00	-0.45 0.04 0.04 0.18 0.10 0.01 0.03
Female sex -0.16 0.03 -5.18 305.1 0.000 0.000 -0.22 -0.10 Age at MRI -0.09 0.05 -1.77 296.2 0.079 0.162 -0.18 0.01 Age delta -0.02 0.05 -0.44 165.2 0.660 0.757 -0.11 0.07 Height 0.00 0.00 0.00 -0.24 170.3 0.659 0.753 -0.11 0.07 (Intercept) 1.37 0.62 2.21 212.9 0.028 0.037 0.15 2.59 SSP (z-score) -0.01 0.02 -0.44 134.0 0.662 0.876 -0.05 0.03 -0.10 0.10 Age at MRI -0.09 0.05 -1.75 354.3 0.081 0.162 -0.18 0.01 Age at MRI -0.09 0.05 -1.75 354.3 0.081 0.162 -0.18 0.01 Age at MRI -0.09 0.05 -1.75 354.3 0.081 0.162 -0.18 0.01 Age at MRI -0.09 0.05 -1.75 354.0 0.081 0.162 -0.18 0.01 Age at MRI -0.09 0.05 -1.75 354.3 0.888 0.988 0.988 0.980 0.000 0.00 -0.23 -0.10 0.00 0.00 0.00 0.00 0.00 0.00 0.0		Age delta Height (Intercept) SBP (z-score) Female sex Age at MRI Age delta Height Non-European ethnicity BMI (z-score) Parental education	0.03 0.00 -1.66 0.00 -0.02 0.07 0.00 0.00 -0.05 0.00 0.01	0.05 0.00 0.62 0.02 0.03 0.05 0.05 0.00 0.04 0.02 0.01	1.65 -2.67 0.16 -0.64 1.27 0.07 1.20 -1.26 -0.02 1.79 1.42	219.2 216.7 137.0 193.3 152.0 137.0 214.2 278.9 119.5 286.4 211.7	0.101 0.008 0.876 0.522 0.207 0.947 0.233 0.208 0.987 0.075 0.157	0.162 0.016 0.876 0.533 0.297 0.947 0.311 0.277 0.987 0.100	0.00 -2.88 -0.03 -0.09 -0.04 -0.09 0.00 -0.12 -0.04 0.00	0.01 -0.43 0.04 0.04 0.17 0.10 0.01 0.03 0.04 0.03	adjusted model (R ² = .01)	Height (Intercept) DBP (z-score) Female sex Age at MRI Age delta Height Non-European ethnicity BMI (z-score) Parental education	0.00 -1.67 0.00 -0.02 0.07 0.00 0.00 -0.05 0.00	0.00 0.62 0.02 0.03 0.05 0.05 0.00 0.04 0.02 0.01 0.00	1.63 -2.70 0.03 -0.63 1.27 0.06 1.23 -1.26 0.03 1.77 1.43	197.7 217.9 109.5 194.3 150.9 140.1 197.4 271.9 113.7 273.1 220.2	0.104 0.007 0.975 0.527 0.206 0.952 0.220 0.208 0.978 0.078 0.156	0.166 0.014 0.975 0.540 0.291 0.952 0.293 0.277 0.978 0.104	0.00 -2.88 -0.04 -0.09 -0.04 -0.09 0.00 -0.12 -0.04 0.00	-0.45 0.04 0.04 0.18 0.10 0.01 0.03 0.04
Height 0.00 0.00 0.02 146.7 0.988 0.988 -0.01 0.01 Height 0.00 0.00 -0.14 122.4 0.891 0.932 -0.01	Fully adjusted model $(R^2 = .01)$	Age delta Height (Intercept) SBP (z-score) Female sex Age at MRI Age delta Height Non-European ethnicity BMI (z-score) Parental education Maternal age	0.03 0.00 -1.66 0.00 -0.02 0.07 0.00 0.00 -0.05 0.00 0.01 0.01	0.05 0.00 0.62 0.02 0.03 0.05 0.05 0.00 0.04 0.02 0.01 0.00 Global	1.65 -2.67 0.16 -0.64 1.27 0.07 1.20 -1.26 -0.02 1.79 1.42 mean diffu	219.2 216.7 137.0 193.3 152.0 137.0 214.2 278.9 119.5 286.4 211.7 usivity (MI	0.101 0.008 0.876 0.522 0.207 0.947 0.233 0.208 0.987 0.075 0.157	0.162 0.016 0.876 0.533 0.297 0.947 0.311 0.277 0.987 0.100 0.209	0.00 -2.88 -0.03 -0.09 -0.04 -0.09 0.00 -0.12 -0.04 0.00 0.00	0.01 -0.43 0.04 0.04 0.17 0.10 0.01 0.03 0.04 0.03 0.01	adjusted model (R ² = .01)	Height (Intercept) DBP (z-score) Female sex Age at MRI Age delta Height Non-European ethnicity BMI (z-score) Parental education Maternal age (Intercept)	0.00 -1.67 0.00 -0.02 0.07 0.00 -0.05 0.00 0.01	0.00 0.62 0.02 0.03 0.05 0.05 0.00 0.04 0.02 0.01 0.00 Global r	1.63 -2.70 0.03 -0.63 1.27 0.06 1.23 -1.26 0.03 1.77 1.43 mean diffu	197.7 217.9 109.5 194.3 150.9 140.1 197.4 271.9 113.7 273.1 220.2 sisivity (ME	0.104 0.007 0.975 0.527 0.206 0.952 0.220 0.208 0.978 0.078 0.156 0)	0.166 0.014 0.975 0.540 0.291 0.952 0.293 0.277 0.978 0.104 0.208	0.00 -2.88 -0.04 -0.09 -0.04 -0.09 0.00 -0.12 -0.04 0.00 0.00	-0.45 0.04 0.04 0.18 0.10 0.01 0.03 0.04 0.03 0.01
Height 0.00 0.00 0.02 146.7 0.988 0.988 -0.01 0.01 Height 0.00 0.00 -0.14 122.4 0.891 0.932 -0.01	Fully adjusted model $(R^2 = .01)$	Age delta Height (Intercept) SBP (z-score) Female sex Age at MRI Age delta Height Non-European ethnicity BMI (z-score) Parental education Maternal age (Intercept) SBP (z-score)	0.03 0.00 -1.66 0.00 -0.02 0.07 0.00 0.00 -0.05 0.00 0.01 0.01	0.05 0.00 0.62 0.02 0.03 0.05 0.05 0.00 0.04 0.02 0.01 0.00 Global 0.61 0.02	1.65 -2.67 0.16 -0.64 1.27 0.07 1.20 -1.26 -0.02 1.79 1.42 mean difference of the control of the	219.2 216.7 137.0 193.3 152.0 214.2 278.9 119.5 286.4 211.7 usivity (MI	0.101 0.008 0.876 0.522 0.207 0.947 0.233 0.208 0.987 0.075 0.157 D)	0.162 0.016 0.876 0.533 0.297 0.947 0.311 0.277 0.987 0.100 0.209	0.00 -2.88 -0.03 -0.09 -0.04 -0.09 0.00 -0.12 -0.04 0.00 0.01 -0.05	0.01 -0.43 0.04 0.04 0.17 0.10 0.01 0.03 0.04 0.03 0.01 2.59 0.02	Fully adjusted model (R ² = .01)	Height (Intercept) DBP (z-score) Female sex Age at MRI Age delta Height Non-European ethnicity BMI (z-score) Parental education Maternal age (Intercept) DBP (z-score)	0.00 -1.67 0.00 -0.02 0.07 0.00 -0.05 0.00 0.01 0.01	0.00 0.62 0.02 0.03 0.05 0.00 0.04 0.02 0.01 0.00 Global r 0.62 0.02	1.63 -2.70 0.03 -0.63 1.27 0.06 1.23 -1.26 0.03 1.77 1.43 mean diffu 2.32 -0.97	197.7 217.9 109.5 194.3 150.9 140.1 197.4 271.9 113.7 273.1 220.2 sisivity (ME	0.104 0.007 0.975 0.527 0.206 0.952 0.220 0.208 0.978 0.078 0.156 0.022 0.334	0.166 0.014 0.975 0.540 0.291 0.952 0.293 0.277 0.978 0.104 0.208	0.00 -2.88 -0.04 -0.09 -0.04 -0.09 0.00 -0.12 -0.04 0.00 0.00	-0.45 0.04 0.04 0.18 0.10 0.01 0.03 0.04 0.03 0.01 2.65
Height 0.00 0.00 0.02 146.7 0.988 0.988 -0.01 0.01 (Intercept) 1.37 0.62 2.21 212.9 0.028 0.037 0.15 2.59 SBP (z-score) -0.01 0.02 -0.44 134.0 0.662 0.876 -0.05 0.03 Female sex -0.16 0.03 -5.22 292.8 0.000 0.000 -0.23 -0.10 Age at MRI -0.09 0.05 -1.75 354.3 0.081 0.162 -0.18 0.07 Age delta -0.02 0.05 -0.44 188.9 0.662 0.757 -0.11 0.07 BM (z-score) -0.01 0.04 -0.21 204.9 0.833 0.833 -0.08 0.97 BM (z-score) -0.02 0.02 -0.08 110.7 0.382 0.509 -0.05 0.02 Parental education 0.00 0.01 0.02 0.01 0.02 128.4 0.842 0.842 -0.02 0.05 Parental education 0.00 0.01 0.02 128.4 0.842 0.842 -0.02 0.05 Parental education 0.00 0.01 0.02 128.4 0.842 0.842 -0.02 0.05 Parental education 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.	Fully adjusted model $(R^2 = .01)$	Age delta Height (Intercept) SBP (z-score) Female sex Age at MRI Age delta Height Non-European ethnicity BMI (z-score) Parental education Maternal age (Intercept) SBP (z-score) Female sex	0.03 0.00 -1.66 0.00 -0.02 0.07 0.00 0.00 -0.05 0.00 0.01 0.01 1.38 -0.01 -0.16	0.05 0.00 0.62 0.02 0.03 0.05 0.05 0.00 0.04 0.02 0.01 0.00 Global 0.61 0.02	1.65 -2.67 0.16 -0.64 1.27 0.07 1.20 -1.26 -0.02 1.79 1.42 mean diffs 2.24 -0.81 -5.18	219.2 216.7 137.0 193.3 152.0 137.0 214.2 278.9 119.5 286.4 211.7 usivity (MI	0.101 0.008 0.876 0.522 0.207 0.947 0.233 0.208 0.987 0.075 0.157 D) 0.026 0.420 0.000	0.162 0.016 0.876 0.533 0.297 0.947 0.311 0.277 0.987 0.100 0.209 0.037 0.672 0.000	0.00 -2.88 -0.03 -0.09 -0.04 -0.09 0.00 -0.12 -0.04 0.00 0.00 -0.17 -0.05 -0.22	0.01 -0.43 0.04 0.04 0.17 0.10 0.01 0.03 0.04 0.03 0.01 2.59 0.02 -0.10	model Fully adjusted model (R ² = .01)	Height (Intercept) DBP (z-score) Female sex Age at MRI Age delta Height Non-European ethnicity BMI (z-score) Parental education Maternal age (Intercept) DBP (z-score) Female sex	0.00 -1.67 0.00 -0.02 0.07 0.00 0.00 -0.05 0.00 0.01 0.01 1.43 -0.02 -0.16	0.00 0.62 0.02 0.03 0.05 0.05 0.00 0.04 0.02 0.01 0.00 Global I	1.63 -2.70 0.03 -0.63 1.27 0.06 1.23 -1.26 0.03 1.77 1.43 mean diffu 2.32 -0.97 -5.11	197.7 217.9 109.5 194.3 150.9 140.1 197.4 271.9 113.7 273.1 220.2 sivity (ME 151.7 176.0 276.8	0.104 0.007 0.975 0.527 0.206 0.952 0.220 0.208 0.978 0.078 0.156 D)	0.166 0.014 0.975 0.540 0.291 0.952 0.293 0.277 0.978 0.104 0.208	0.00 -2.88 -0.04 -0.09 -0.04 -0.09 0.00 -0.12 -0.04 0.00 0.00 -0.21 -0.05 -0.22	-0.45 0.04 0.04 0.18 0.10 0.01 0.03 0.04 0.03 0.01 2.65 0.02 -0.10
SBP (2-score) -0.01 0.02 -0.44 134.0 0.662 0.876 -0.05 0.03 Female sex -0.16 0.03 -5.22 292.8 0.000 0.000 -0.23 -0.10 Age at MRI -0.09 0.05 -1.75 354.3 0.081 0.162 -0.18 0.01 Age delta -0.02 0.05 -0.44 188.9 0.662 0.757 -0.11 0.07 Height 0.00 0.00 0.14 154.3 0.888 0.988 -0.01 0.01 BMI (2-score) -0.02 0.02 -0.88 110.7 0.382 0.509 -0.05 0.02 Parental education 0.00 0.01 0.02 128.4 0.823 0.823 -0.02 0.02 DBP (2-score) -0.01 0.02 -0.81 161.4 0.417 0.556 -0.05 0.000 Female sex -0.16 0.03 -5.14 263.9 0.000 0.000 -0.23 -4.000 Age at MRI -0.09 0.05 -1.75 354.0 0.081 0.162 -0.18 0.00 Age delta -0.02 0.05 -0.44 195.0 0.669 0.753 -0.11 0.000 Age delta -0.02 0.05 -0.44 195.0 0.850	Fully adjusted model $(R^2 = .01)$	Age delta Height (Intercept) SBP (z-score) Female sex Age at MRI Age delta Height Non-European ethnicity BMI (z-score) Parental education Maternal age (Intercept) SBP (z-score) Female sex Age at MRI	0.03 0.00 -1.66 0.00 -0.02 0.07 0.00 0.00 -0.05 0.00 0.01 1.38 -0.01 -0.16 -0.09	0.05 0.00 0.62 0.02 0.03 0.05 0.00 0.04 0.02 0.01 0.00 Global 0.02 0.03 0.05	1.65 -2.67 0.16 -0.64 1.27 0.07 1.20 -1.26 -0.02 1.79 1.42 mean difft 2.24 -0.81 -5.18	219.2 216.7 137.0 193.3 152.0 137.0 214.2 278.9 119.5 286.4 211.7 usivity (MI 176.0 135.4 305.1 296.2	0.101 0.008 0.876 0.522 0.207 0.947 0.233 0.208 0.987 0.075 0.157 D) 0.026 0.420 0.000 0.079	0.162 0.016 0.876 0.533 0.297 0.947 0.311 0.277 0.987 0.100 0.209 0.037 0.672 0.000 0.162	0.00 -2.88 -0.03 -0.09 -0.04 -0.09 0.00 -0.12 -0.04 0.00 0.00 -0.17 -0.05 -0.22 -0.18	0.01 -0.43 0.04 0.04 0.17 0.10 0.01 0.03 0.04 0.03 0.01 2.59 0.02 -0.10 0.01	model Fully adjusted model (R ² = .01)	Height (Intercept) DBP (z-score) Female sex Age at MRI Age delta Height Non-European ethnicity BMI (z-score) Parental education Maternal age (Intercept) DBP (z-score) Female sex Age at MRI	0.00 -1.67 0.00 -0.02 0.07 0.00 -0.05 0.00 0.01 0.01 -1.43 -0.02 -0.16 -0.09	0.00 0.62 0.02 0.03 0.05 0.05 0.00 0.04 0.02 0.01 0.00 Global r 0.62 0.03 0.05	1.63 -2.70 0.03 -0.63 1.27 0.06 1.23 -1.26 0.03 1.77 1.43 mean diffu 2.32 -0.97 -5.11 -1.76	197.7 217.9 109.5 194.3 150.9 140.1 197.4 271.9 113.7 273.1 220.2 sivity (ME 151.7 176.0 276.8 295.3	0.104 0.007 0.975 0.527 0.206 0.952 0.220 0.208 0.978 0.156 0) 0.022 0.334 0.000 0.079	0.166 0.014 0.975 0.540 0.291 0.952 0.293 0.277 0.978 0.104 0.208 0.035 0.534 0.000 0.162	0.00 -2.88 -0.04 -0.09 -0.04 -0.09 0.00 -0.12 -0.04 0.00 0.00 -0.21 -0.05 -0.22 -0.18	-0.45 0.04 0.04 0.18 0.10 0.01 0.03 0.04 0.03 0.01 2.65
Female sex -0.16 0.03 -5.22 29.8 0.000 0.000 -0.23 -0.10 Age at MRI -0.09 0.05 -1.75 354.3 0.081 0.162 -0.18 0.01 Age at MRI -0.09 0.05 -1.75 354.3 0.081 0.162 -0.18 0.01 Age at MRI -0.09 0.05 -1.75 354.0 0.081 0.162 -0.18 0.01 Age at MRI -0.09 0.05 -1.75 354.0 0.081 0.162 -0.18 0.01 Age at MRI -0.09 0.05 -1.75 354.0 0.081 0.162 -0.18 0.01 Age at MRI -0.09 0.05 -0.44 195.0 0.669 0.753 -0.11 0.07 BM (2-score) -0.02 0.05 -0.44 195.0 0.669 0.753 -0.11 0.07 BM (2-score) -0.02 0.05 -0.44 195.0 0.669 0.753 -0.11 0.07 BM (2-score) -0.02 0.05 -0.04 0.04 -0.19 20.24 0.852 0.852 -0.08 0.05 BM (2-score) -0.02 0.05 -0.04 0.05 0.05 0.854 0.05 0.852 -0.05 0.02 BM (2-score) -0.02 0.05 0.05 0.05 0.05 0.854 0.05 0.852 -0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.0	Fully adjusted model $(R^2 = .01)$	Age delta Height (Intercept) SBP (z-score) Female sex Age at MRI Age delta Height Non-European ethnicity BMI (z-score) Parental education Maternal age (Intercept) SBP (z-score) Female sex Age at MRI Age delta	0.03 0.00 -1.66 0.00 -0.02 0.07 0.00 0.00 -0.05 0.00 0.01 1.38 -0.01 -0.16 -0.09 -0.02	0.05 0.00 0.62 0.02 0.03 0.05 0.00 0.04 0.02 0.01 0.00 Global 0.02 0.03 0.05 0.05	1.65 -2.67 0.16 -0.64 1.27 0.07 1.20 -1.26 -0.02 1.79 1.42 mean difft 2.24 -0.81 -5.18 -1.77 -0.44	219.2 216.7 137.0 193.3 152.0 137.0 214.2 278.9 119.5 286.4 211.7 usivity (MI 176.0 135.4 305.1 296.2	0.101 0.008 0.876 0.522 0.207 0.947 0.233 0.208 0.987 0.075 0.157 D) 0.026 0.420 0.000 0.079 0.660	0.162 0.016 0.876 0.533 0.297 0.947 0.311 0.277 0.987 0.100 0.209 0.037 0.672 0.000 0.162 0.757	0.00 -2.88 -0.03 -0.09 -0.04 -0.09 0.00 -0.12 -0.04 0.00 0.00 0.17 -0.05 -0.22 -0.18 -0.11	0.01 -0.43 0.04 0.04 0.17 0.10 0.01 0.03 0.04 0.03 0.01 2.59 0.02 -0.10 0.01 0.07	model Fully adjusted model (R ² = .01)	Height (Intercept) DBP (z-score) Female sex Age at MRI Age delta Height Non-European ethnicity BMI (z-score) Parental education Maternal age (Intercept) DBP (z-score) Female sex Age at MRI Age delta	0.00 -1.67 0.00 -0.02 0.07 0.00 0.00 -0.05 0.00 0.01	0.00 0.62 0.02 0.03 0.05 0.05 0.00 0.04 0.02 0.01 0.00 Global r 0.62 0.02 0.03 0.05 0.05	1.63 -2.70 0.03 -0.63 1.27 0.06 1.23 -1.26 0.03 1.77 1.43 mean diffu 2.32 -0.97 -5.11 -1.76 -0.44	197.7 217.9 109.5 194.3 150.9 140.1 197.4 271.9 273.1 220.2 isivity (ME 151.7 176.0 276.8 295.3 170.3	0.104 0.007 0.975 0.527 0.206 0.952 0.220 0.208 0.978 0.078 0.156 0.002 0.334 0.000 0.079 0.659	0.166 0.014 0.975 0.540 0.291 0.962 0.293 0.277 0.978 0.104 0.208 0.035 0.534 0.000 0.162 0.753	0.00 -2.88 -0.04 -0.09 -0.04 -0.09 0.00 -0.12 -0.04 0.00 0.21 -0.05 -0.22 -0.18 -0.11	-0.45 0.04 0.04 0.18 0.10 0.01 0.03 0.04 0.03 0.01 2.65 0.02 -0.10 0.01
Age at MRI -0.09 0.05 -1.75 354.3 0.081 0.162 -0.18 0.01 Age delta -0.02 0.05 -0.44 188.9 0.662 0.757 -0.11 0.07 Height 0.00 0.00 0.01 0.04 -0.21 204.9 0.833 0.833 -0.08 0.07 BMI (z-score) -0.02 0.02 -0.88 110.7 0.382 0.509 -0.05 0.02 Parental education 0.00 0.01 0.02 126.4 0.823 0.823 -0.02 0.02	Fully adjusted model $(R^2 = .01)$	Age delta Height (Intercept) SBP (z-score) Female sex Age at MRI Age delta Height Non-European ethnicity BMI (z-score) Parental education Maternal age (Intercept) SBP (z-score) Female sex Age at MRI Age delta	0.03 0.00 -1.66 0.00 -0.02 0.07 0.00 0.00 -0.05 0.00 0.01 0.01 1.38 -0.01 -0.16 -0.09 -0.02 0.00	0.05 0.00 0.62 0.02 0.03 0.05 0.05 0.00 0.04 0.02 0.01 0.00 Global 0.02 0.03	1.65 -2.67 0.16 -0.64 1.27 0.07 1.20 -1.26 -0.02 1.79 1.42 mean difft 2.24 -0.81 -5.18 -1.77 -0.44 0.02	219.2 216.7 137.0 193.3 152.0 137.0 214.2 278.9 119.5 286.4 211.7 usivity (Mi 176.0 135.4 305.1 296.2 165.2 146.7	0.101 0.008 0.876 0.522 0.207 0.947 0.233 0.208 0.987 0.075 0.157 0.026 0.420 0.000 0.079 0.660 0.988	0.162 0.016 0.876 0.533 0.297 0.947 0.311 0.277 0.987 0.100 0.209 0.037 0.672 0.000 0.162 0.757 0.988	0.00 -2.88 -0.03 -0.09 -0.04 -0.09 0.00 -0.12 -0.04 0.00 0.00 0.17 -0.05 -0.22 -0.18 -0.11 -0.01	0.01 -0.43 0.04 0.04 0.17 0.10 0.01 0.03 0.04 0.03 0.01 2.59 0.02 -0.10 0.01 0.07 0.01	model Fully adjusted model (R ² = .01)	Height (Intercept) DBP (z-score) Female sex Age at MRI Age delta Height Non-European ethnicity BMI (z-score) Parental education Maternal age (Intercept) DBP (z-score) Female sex Age at MRI Age delta Height (Intercept)	0.00 -1.67 0.00 -0.02 0.07 0.00 -0.05 0.00 0.01 1.43 -0.02 -0.16 -0.09 -0.02 0.00	0.00 0.62 0.02 0.03 0.05 0.05 0.00 0.04 0.02 0.01 0.00 Global I 0.62 0.02 0.03 0.05 0.05 0.00	1.63 -2.70 0.03 -0.63 1.27 0.06 1.23 -1.26 0.03 1.77 1.43 mean diffu 2.32 -0.97 -5.11 -1.76 -0.44 -0.14	197.7 217.9 109.5 194.3 150.9 140.1 197.4 271.9 113.7 273.1 220.2 issivity (ME 151.7 176.0 276.8 295.3 170.3	0.104 0.007 0.975 0.527 0.206 0.952 0.220 0.208 0.978 0.078 0.156 0.002 0.334 0.000 0.079 0.659 0.891	0.166 0.014 0.975 0.540 0.291 0.952 0.293 0.277 0.978 0.104 0.208 0.035 0.534 0.000 0.162 0.753 0.932	0.00 -2.88 -0.04 -0.09 -0.04 -0.09 0.00 -0.12 -0.04 0.00 0.00 0.21 -0.05 -0.22 -0.18 -0.11 -0.01	-0.45 0.04 0.04 0.18 0.10 0.01 0.03 0.04 0.03 0.01 2.65 0.02 -0.10 0.01
Parental education 0.00 0.01 0.22 126.4 0.823 0.823 -0.02 0.02 Parental education 0.00 0.01 0.20 128.4 0.842 -0.02 0.02	Base model Fully adjusted model $(R^2 = .01)$ $(R^2 = .01)$	Age delta Height (Intercept) SBP (z-score) Female sex Age at MRI Age delta Height Non-European ethnicity BMI (z-score) Parental education Maternal age (Intercept) SBP (z-score) Female sex Age at MRI Age delta Height (Intercept) SBP (z-score)	0.03 0.00 -1.66 0.00 -0.02 0.07 0.00 0.00 -0.05 0.00 0.01 0.01 -0.16 -0.09 -0.02 0.07 -0.00 0.00 0.01 -0.01 -0.01 -0.01 -0.09 -0.01	0.05 0.00 0.62 0.02 0.03 0.05 0.00 0.04 0.02 0.01 0.00 Global 0.02 0.03 0.05 0.05 0.05 0.05	1.65 -2.67 0.16 -0.64 1.27 0.07 1.20 -1.26 -0.02 1.79 1.42 mean diffu 2.24 -0.81 -5.18 -1.77 -0.44	219.2 216.7 137.0 193.3 152.0 137.0 214.2 278.9 119.5 286.4 211.7 usivity (MI 176.0 135.4 305.1 296.2 146.7 212.9	0.101 0.008 0.876 0.522 0.207 0.947 0.233 0.208 0.987 0.075 0.157 D.026 0.420 0.000 0.079 0.660 0.988 0.028	0.162 0.016 0.876 0.533 0.297 0.947 0.311 0.277 0.987 0.100 0.209 0.037 0.672 0.000 0.162 0.757 0.988 0.037	0.00 -2.88 -0.03 -0.09 -0.04 -0.09 -0.01 -0.02 -0.12 -0.04 -0.00 -0.17 -0.05 -0.22 -0.18 -0.11 -0.01 -0.15 -0.05	0.01 -0.43 0.04 0.04 0.17 0.10 0.01 0.03 0.04 0.03 0.01 -2.59 0.02 -0.10 0.01 2.59 0.03	model Fully adjusted model (R ² = .01)	Height (Intercept) DBP (z-score) Female sex Age at MRI Age delta Height Non-European ethnicity BMI (z-score) Parental education Maternal age (Intercept) DBP (z-score) Female sex Age at MRI Age delta Height (Intercept) DBP (z-score)	0.00 -1.67 0.00 -0.02 0.07 0.00 0.00 -0.05 0.00 0.01 0.01 -0.02 -0.16 -0.09 -0.02 0.00 -0.02 0.00 -0.02 -0.00 -0.01	0.00 0.62 0.02 0.03 0.05 0.00 0.04 0.02 0.01 0.00 Global I 0.62 0.02 0.03 0.05 0.05 0.00 0.62	1.63 -2.70 0.03 -0.63 1.27 -0.06 1.23 -1.26 0.03 1.77 1.43 mean diffu 2.32 -0.97 -5.11 -1.76 -0.44 2.25 -0.81	197.7 217.9 109.5 194.3 150.9 140.1 197.4 271.9 113.7 273.1 220.2 sivity (ME 276.8 295.3 170.3 122.4 195.3 161.4	0.104 0.007 0.975 0.527 0.206 0.952 0.220 0.208 0.978 0.156 0) 0.022 0.334 0.000 0.079 0.659 0.891 0.026 0.417	0.166 0.014 0.975 0.540 0.291 0.962 0.293 0.277 0.978 0.104 0.208 0.035 0.534 0.000 0.162 0.753 0.932 0.035	0.00 -2.88 -0.04 -0.09 -0.04 -0.09 0.00 -0.12 -0.04 0.00 0.00 -0.12 -0.05 -0.22 -0.18 -0.11 -0.01 -0.05	-0.45 0.04 0.04 0.18 0.10 0.01 0.03 0.04 0.03 0.01 2.665 0.02 -0.10 0.07 0.01 2.62 0.02
Parental education 0.00 0.01 0.22 126.4 0.823 0.823 -0.02 0.02 Parental education 0.00 0.01 0.20 128.4 0.842 -0.02 0.02	Base model Fully adjusted model $(R^2 = .01)$ $(R^2 = .01)$	Age delta Height (Intercept) SBP (z-score) Female sex Age at MRI Age delta Height Non-European ethnicity BMI (z-score) Parental education Maternal age (Intercept) SBP (z-score) Female sex Age at MRI Age delta Height (Intercept) SBP (z-score) Female sex Female sex Female sex	0.03 0.00 -1.66 0.00 -0.02 0.07 0.00 0.00 0.01 0.01 1.38 -0.01 -0.16 -0.09 -0.02 0.00 1.37 -0.01	0.05 0.00 0.62 0.02 0.03 0.05 0.00 0.04 0.02 0.01 0.05 0.00 0.05 0.00 0.05 0.00 0.06 0.05 0.00 0.06 0.00 0.00	1.65 -2.67 0.16 -0.64 1.27 0.07 1.20 -1.26 -0.02 1.79 1.20 2.24 -0.81 -5.18 -1.77 -0.44 0.02 2.21 -0.44 -5.22	219.2 216.7 137.0 193.3 152.0 137.0 214.2 278.9 119.5 286.4 217.0 135.4 305.1 296.2 146.7 212.9 134.0 292.8	0.101 0.008 0.876 0.522 0.207 0.947 0.233 0.208 0.987 0.075 0.157 D) 0.026 0.420 0.000 0.079 0.660 0.988 0.028 0.028	0.162 0.016 0.876 0.533 0.297 0.947 0.311 0.277 0.987 0.100 0.209 0.037 0.672 0.000 0.162 0.757 0.988 0.037 0.676 0.000	0.00 -2.88 -0.03 -0.09 -0.04 -0.09 0.00 -0.12 -0.04 0.00 0.00 -0.17 -0.05 -0.22 -0.18 -0.11 -0.01 -0.05 -0.23	0.01 -0.43 0.04 0.04 0.17 0.10 0.01 0.03 0.04 0.03 0.01 2.59 0.02 -0.10 0.01 0.07 0.01 2.59 0.03 -0.10	Base model Fully adjusted model ($\mathbb{R}^2=.01$)	Height (Intercept) DBP (z-score) Female sex Age at MRI Age delta Height Non-European ethnicity BMI (z-score) Parental education Maternal age (Intercept) DBP (z-score) Female sex Age at MRI Age delta Height (Intercept) DBP (z-score) Female sex Age at MRI Age delta Height (Intercept) DBP (z-score) Female sex	0.00 -1.67 0.00 -0.02 0.07 0.00 -0.05 0.00 0.01 0.01 1.43 -0.02 -0.16 -0.09 -0.02 0.00 1.40 -0.01 -0.16	0.00 0.62 0.02 0.03 0.05 0.00 0.04 0.02 0.01 0.00 Global I 0.02 0.03 0.05 0.05 0.05 0.06 0.02 0.03 0.05 0.05 0.00	1.63 -2.70 0.03 -0.63 1.27 0.06 1.23 -1.26 0.03 1.77 2.32 -0.97 -5.11 -1.76 -0.44 -0.14 -2.25 -0.81 -5.14	197.7 217.9 109.5 194.3 150.9 140.1 197.4 271.9 113.7 273.1 220.2 sisivity (ME 151.7 176.0 276.8 295.3 170.3 122.4 195.3 161.4 263.9	0.104 0.007 0.975 0.527 0.206 0.952 0.208 0.988 0.078 0.156 0.002 0.334 0.000 0.079 0.659 0.891 0.026 0.417 0.000	0.166 0.014 0.975 0.540 0.291 0.952 0.293 0.277 0.978 0.104 0.208 0.035 0.534 0.000 0.162 0.753 0.932 0.035 0.556 0.000	0.00 -2.88 -0.04 -0.09 -0.04 -0.09 -0.04 -0.09 -0.04 -0.00 -0.12 -0.04 -0.00 -0.12 -0.12 -0.05 -0.22 -0.18 -0.11 -0.01 -0.05 -0.23	-0.45 0.04 0.04 0.18 0.10 0.01 0.03 0.04 0.03 0.01 2.65 0.02 -0.10 0.07 0.01 2.62 0.02 -0.10
Parental education 0.00 0.01 0.22 126.4 0.823 0.823 -0.02 0.02 Parental education 0.00 0.01 0.20 128.4 0.842 -0.02 0.02	Base model Fully adjusted model $(R^2 = .01)$ $(R^2 = .01)$	Age delta Height (Intercept) SBP (z-score) Female sex Age at MRI Age delta Height Non-European ethnicity BMI (z-score) Parental education Maternal age (Intercept) SBP (z-score) Female sex Age at MRI Age delta Height (Intercept) SBP (z-score) Female sex Age at MRI Age delta Height (Intercept) SBP (z-score) Female sex Age at MRI Age delta Height (Intercept) SBP (z-score) Female sex Age at MRI	0.03 0.00 -1.66 0.00 0.00 0.00 0.00 0.00 0.01 0.01 1.38 -0.01 -0.02 0.00 0.00 0.00 0.01 -0.02 0.00 0.00 0.01 -0.02 0.00 0.00 0.00 0.01 -0.02 0.00	0.05 0.00 0.62 0.02 0.05 0.05 0.00 0.04 0.01 0.00 0.01 0.00 0.01 0.00 0.05 0.05	1.65 -2.67 0.16 -0.64 1.27 0.07 1.20 -1.26 -0.02 1.79 1.42 mean difft 2.24 -0.81 -5.18 -1.77 -0.44 0.02 2.21 -0.44 -5.22 -1.75	219.2 216.7 137.0 193.3 152.0 214.2 278.9 119.5 286.4 211.7 176.0 135.4 305.1 296.2 146.7 212.9 134.0 292.8 354.3	0.101 0.008 0.876 0.522 0.207 0.947 0.233 0.208 0.987 0.075 0.157 D) 0.026 0.420 0.000 0.079 0.660 0.988 0.028 0.662 0.000 0.081	0.162 0.016 0.876 0.533 0.297 0.947 0.311 0.277 0.100 0.209 0.037 0.672 0.000 0.162 0.757 0.988 0.037 0.876 0.000 0.162	0.00 -2.88 -0.03 -0.09 -0.04 -0.09 0.00 -1.12 -0.04 0.00 -0.17 -0.05 -0.22 -0.18 -0.11 -0.01 -0.15 -0.23 -0.18	0.01 -0.43 0.04 0.07 0.10 0.01 0.03 0.04 0.03 0.01 -0.10 0.01 0.01 -0.10 0.01 0.01 0.	Base model Fully adjusted model ($\mathbb{R}^2=.01$)	Height (Intercept) DBP (z-score) Female sex Age at MRI Age delta Height Non-European ethnicity BMI (z-score) Parental education Maternal age (Intercept) DBP (z-score) Female sex Age at MRI Age delta Height (Intercept) DBP (z-score)	0.00 -1.67 0.00 -0.02 0.07 0.00 0.00 -0.05 0.00 0.01 -0.01 -0.06 -0.09 -0.02 0.00 1.40 -0.01 -0.16 -0.09	0.00 0.62 0.02 0.03 0.05 0.05 0.00 0.04 0.02 0.01 0.00 Global r 0.62 0.03 0.05 0.05 0.00 0.62 0.03 0.05	1.63 -2.70 0.03 -0.63 1.27 0.06 1.23 -1.26 0.03 1.77 1.43 mean diffu 2.32 -0.97 -5.11 -1.76 -0.44 -0.14 2.25 -0.81 -5.14 -1.75	197.7 217.9 109.5 194.3 150.9 140.1 197.4 271.9 113.7 273.1 220.2 Issivity (ME 151.7 176.0 276.8 295.3 170.3 122.4 195.3 161.4 263.9 354.0	0.104 0.007 0.975 0.527 0.206 0.952 0.220 0.208 0.978 0.156 0.002 0.334 0.000 0.079 0.659 0.891 0.0417 0.000 0.081	0.166 0.014 0.975 0.540 0.291 0.952 0.293 0.277 0.978 0.104 0.208 0.035 0.534 0.000 0.162 0.753 0.932 0.035 0.556 0.000 0.162	0.00 -2.88 -0.04 -0.09 -0.00 -0.12 -0.04 0.00 -0.12 -0.05 -0.21 -0.05 -0.22 -0.18 -0.11 -0.01 -0.17 -0.05 -0.23 -0.18	-0.45
Parental education 0.00 0.01 0.22 126.4 0.823 0.823 -0.02 0.02 Parental education 0.00 0.01 0.20 128.4 0.842 -0.02 0.02	Base model Fully adjusted model $(R^2 = .01)$ $(R^2 = .01)$	Age delta Height (Intercept) SBP (z-score) Female sex Age at MRI Age delta Height Non-European ethnicity BMI (z-score) Parental education Maternal age (Intercept) SBP (z-score) Female sex Age at MRI Age delta Height (Intercept) SBP (z-score) Female sex Age at MRI Age delta Height (Intercept) SBP (z-score) Female sex Age at MRI Age delta Age at MRI Age delta	0.03 0.00 -1.66 0.00 -0.02 0.00 0.00 0.00 0.00 0.01 0.01 1.38 -0.01 -0.16 -0.02 0.00 0.00 0.00 -0.02 0.00 0.01 0.01 -0.02 0.00	0.05 0.00 0.62 0.02 0.05 0.05 0.05 0.00 0.04 0.02 0.01 0.00 0.05 0.05 0.00 0.04 0.02 0.05 0.05 0.05 0.05 0.05 0.05 0.05	1.65 -2.67 0.16 -0.64 1.27 0.07 1.20 -1.26 -0.02 1.79 1.42 mean diffi 2.24 -0.81 -5.18 -1.77 -0.44 0.02 2.21 -0.44 -5.22 -5.22 -1.75 -0.44	219.2 216.7 137.0 193.3 152.0 214.2 278.9 119.5 286.4 211.7 215.4 305.1 296.2 165.2 146.7 212.9 134.0 292.8 354.3 188.9	0.101 0.008 0.876 0.522 0.207 0.947 0.233 0.208 0.987 0.157 0.157 D) 0.026 0.420 0.000 0.079 0.660 0.988 0.028 0.662 0.000 0.081 0.662	0.162 0.016 0.876 0.533 0.297 0.311 0.277 0.100 0.209 0.037 0.672 0.000 0.162 0.757 0.988 0.037 0.876 0.988 0.037	0.00 -2.88 -0.03 -0.09 -0.04 -0.09 0.00 -0.12 -0.04 0.00 -0.17 -0.05 -0.23 -0.18 -0.11 -0.05 -0.23 -0.18 -0.11	0.01 -0.43 0.04 0.04 0.17 0.10 0.01 0.03 0.04 0.03 0.01 -0.10 0.01 -0.01 0.01 0.01 0.07 0.01 0.07 0.01 0.07	Base model Fully adjusted model ($\mathbb{R}^2=.01$)	Height (Intercept) DBP (z-score) Female sex Age at MRI Age delta Height Non-European ethnicity BMI (z-score) Parental education Maternal age (Intercept) DBP (z-score) Female sex Age at MRI Age delta Height (Intercept) DBP (z-score) Female sex Age at MRI Age delta Height (Intercept) DBP (z-score) Female sex Age at MRI Age delta Height (Intercept) Age at MRI Age delta Age at MRI Age delta	0.00 -1.67 0.00 -0.02 0.07 0.00 0.00 -0.05 0.00 0.01 -1.43 -0.02 -0.16 -0.09 -0.02 0.00 -0.01 -0.16 -0.09 -0.02	0.00 0.62 0.02 0.03 0.05 0.05 0.00 0.04 0.02 0.01 0.00 0.05 0.00 0.00 0.00 0.00 0.00	1.63 -2.70 0.03 -0.63 1.27 -0.06 1.23 -1.26 0.03 1.77 1.43 nean diffu 2.32 -0.97 -5.11 -1.76 -0.44 -0.14 2.25 -0.81 -5.14 -1.75 -0.44	197.7 217.9 109.5 194.3 150.9 140.1 197.4 271.9 113.7 273.1 220.2 151.7 176.0 276.8 295.3 170.3 122.4 195.3 161.4 263.9 354.0 195.0	0.104 0.007 0.975 0.527 0.206 0.962 0.220 0.208 0.978 0.156 0.002 0.034 0.000 0.079 0.659 0.891 0.026 0.407 0.000 0.081 0.659	0.166 0.014 0.975 0.540 0.291 0.992 0.293 0.277 0.978 0.104 0.208 0.035 0.534 0.000 0.162 0.753 0.932 0.035 0.556 0.000 0.162 0.753	0.00 -2.88 -0.04 -0.09 -0.00 -0.12 -0.04 -0.00 -0.00 -0.12 -0.04 -0.00 -0.21 -0.05 -0.22 -0.18 -0.11 -0.05 -0.23 -0.18	-0.45
Parental education 0.00 0.01 0.22 126.4 0.823 0.823 -0.02 0.02 Parental education 0.00 0.01 0.20 128.4 0.842 0.842 -0.02 0.03	Base model Fully adjusted model $(R^2 = .01)$ $(R^2 = .01)$	Age delta Height (Intercept) SBP (z-score) Female sex Age at MRI Age delta Height Non-European ethnicity BMI (z-score) Parental education Maternal age (Intercept) SBP (z-score) Female sex Age at MRI Age delta Height (Intercept) SBP (z-score) Female sex Age at MRI SBP (z-score) Female sex Age at MRI Age delta Height (Intercept) SBP (z-score) Female sex Age at MRI Age delta Height Age delta	0.03 0.00 -1.66 0.00 -0.02 0.00 0.00 0.00 0.00 0.00 0.00 0.01 1.38 -0.01 -0.16 -0.02 0.00 0.00 -0.02 0.00 0.01 -0.02 0.00	0.05 0.00 0.62 0.02 0.03 0.05 0.05 0.00 0.04 0.02 0.03 0.05 0.05 0.00 0.04 0.02 0.03 0.05 0.05 0.05 0.05 0.05 0.05 0.05	1.65 -2.67 0.16 -0.64 1.27 0.07 1.20 -1.26 -0.02 1.79 1.42 mean diffi 2.24 -0.81 -5.18 -1.77 -0.44 0.02 2.21 -0.44 -5.22 -1.75 -0.44 0.14	219.2 216.7 137.0 193.3 152.0 214.2 278.9 119.5 286.4 211.7 211.7 176.0 135.4 305.1 296.2 146.7 212.9 134.0 292.8 354.3 188.9 154.3	0.101 0.008 0.876 0.522 0.207 0.947 0.233 0.208 0.987 0.075 0.157 D) 0.026 0.420 0.000 0.079 0.660 0.988 0.028 0.662 0.0001 0.081	0.162 0.016 0.876 0.533 0.297 0.947 0.311 0.277 0.987 0.100 0.209 0.037 0.672 0.000 0.162 0.757 0.988 0.037 0.676 0.000 0.162 0.757 0.988	0.00 -2.88 -0.03 -0.09 -0.04 -0.09 0.00 -0.12 -0.04 0.00 -0.17 -0.05 -0.22 -0.18 -0.15 -0.25 -0.28 -0.11 -0.01	0.01 -0.43 -0.04 0.04 0.17 0.10 0.01 0.03 0.04 0.03 -0.10 0.01 -0.10 0.07 0.01 0.07 0.01 0.07 0.01 0.07 0.01	adjusted model Base model Fully adjusted model $(R^2=.01) \hspace{1cm} (R^2=.01)$	Height (Intercept) DBP (z-score) Female sex Age at MRI Age delta Height Non-European ethnicity BMI (z-score) Parental education Maternal age (Intercept) DBP (z-score) Female sex Age at MRI Age delta Height (Intercept) DBP (z-score) Female sex Age at MRI Age delta Height (Intercept) DBP (z-score) Female sex Age at MRI Age delta Height Age delta Hage delta Age delta Age delta Age delta	0.00 -1.67 0.00 -0.02 0.07 0.00 0.00 -0.05 0.00 0.01 -1.43 -0.02 -0.16 -0.09 -0.02 0.00 -0.01 -0.01 -0.01 -0.09 -0.02 0.00	0.00 0.62 0.02 0.03 0.05 0.00 0.04 0.02 0.01 0.00 0.04 0.02 0.01 0.00 0.00 0.05 0.05 0.05 0.00 0.06 0.02 0.03 0.05 0.05 0.00 0.05 0.00 0.05 0.00 0.05 0.00 0.05 0.00 0.05 0.00 0.05 0.00 0.05 0.00 0.05 0.00	1.63 -2.70 0.03 -0.63 1.27 -0.06 1.23 -1.26 0.03 1.77 1.43 mean diffu 2.32 -0.97 -5.11 -1.76 -0.44 -0.14 2.25 -0.81 -5.14 -1.75 -0.44 0.09	197.7 217.9 109.5 194.3 150.9 140.1 197.4 271.9 113.7 273.1 120.2 151.7 176.0 276.8 295.3 170.3 122.4 195.3 161.4 263.9 354.0 195.0 144.1	0.104 0.007 0.975 0.206 0.952 0.200 0.952 0.208 0.978 0.078 0.079 0.052 0.334 0.000 0.079 0.069 0.079 0.069 0.079 0.026 0.0417 0.000 0.001 0.0669 0.932	0.166 0.014 0.975 0.540 0.291 0.992 0.293 0.277 0.978 0.104 0.208 0.035 0.534 0.000 0.162 0.753 0.932 0.035 0.5566 0.000 0.162 0.753	0.00 -2.88 -0.04 -0.09 -0.09 -0.09 -0.00 -0.12 -0.04 -0.05 -0.22 -0.11 -0.01 -0.17 -0.05 -0.23 -0.11 -0.01	-0.45 0.04 0.04 0.18 0.10 0.01 0.01 0.03 0.04 0.03 0.01 -0.10 0.07 0.01 0.07 0.01 0.07 0.01 0.07 0.01
Maternal age 0.00 0.00 -0.59 169,0 0.556 0.556 -0.01 0.01 Maternal age 0.00 0.00 -0.61 168.8 0.543 0.543 -0.01	Base model Fully adjusted model $(R^2 = .01)$ $(R^2 = .01)$	Age delta Height (Intercept) SBP (z-score) Female sex Age at MRI Age delta Height Non-European ethnicity BMI (z-score) Parental education Maternal age (Intercept) SBP (z-score) Female sex Age at MRI Age delta Height (Intercept) SBP (z-score) Female sex Age at MRI Age delta Height (Intercept) SBP (z-score) Female sex Age at MRI Age delta Height Age delta Height Non-European ethnicity	0.03 0.00 -1.66 0.00 -0.02 0.07 0.00 0.00 0.00 0.01 -0.01 -0.01 -0.02 0.00 0.00 -0.05 0.00 0.01 -0.01 -0.02 0.00 -0.02 0.00 -0.03 -0.04 -0.05 -0	0.05 0.00 0.62 0.02 0.03 0.05 0.00 0.04 0.02 0.01 0.01 0.05 0.05 0.00 0.04 0.02 0.01 0.05 0.05 0.00 0.05 0.00 0.05 0.00 0.00 0.00 0.00 0.00	1.65 -2.67 0.16 -0.64 1.27 0.07 1.20 -1.26 -0.02 1.79 1.42 -0.81 -5.18 -1.77 -0.44 0.02 2.21 -0.44 -5.22 -1.75 -0.44 -0.14 -0.21	219.2 216.7 137.0 193.3 152.0 214.2 278.9 119.5 286.4 211.7 251.7 251.7 212.9 135.4 305.1 296.2 165.2 146.7 212.9 134.0 292.8 354.3 188.9 154.3 204.9	0.101 0.008 0.876 0.522 0.207 0.947 0.233 0.208 0.987 0.075 0.157 0.026 0.420 0.000 0.079 0.660 0.988 0.662 0.000 0.081 0.662 0.888 0.833	0.162 0.016 0.876 0.533 0.297 0.947 0.311 0.277 0.987 0.100 0.209 0.037 0.672 0.000 0.162 0.757 0.988 0.037 0.876 0.000 0.162 0.757 0.988	0.00 -2.88 -0.03 -0.09 -0.04 -0.09 0.00 -0.12 -0.04 0.00 0.00 -0.17 -0.05 -0.22 -0.11 -0.01 -0.15 -0.23 -0.11 -0.01 -0.01 -0.01 -0.01	0.01 -0.43 -0.04 0.04 0.17 0.00 0.01 0.03 0.04 0.03 0.01 -0.10 0.01 2.59 0.02 -0.10 0.01 0.07	adjusted model Base model Fully adjusted model $(R^2=.01) \hspace{1cm} (R^2=.01)$	Height (Intercept) DBP (z-score) Female sex Age at MRI Age delta Height Non-European ethnicity BMI (z-score) Parental education Maternal age (Intercept) DBP (z-score) Female sex Age at MRI Age delta Height (Intercept) DBP (z-score) Female sex Age at MRI Age delta Height Age delta Age delta Height Age at MRI Age delta Height Non-European ethnicity	0.00 -1.67 0.00 -0.02 0.07 0.00 0.00 -0.05 0.00 0.01 -0.01 -0.02 -0.02 -0.02 -0.00 -0.01 -0.01 -0.01 -0.01 -0.01 -0.01 -0.01 -0.00 -0.00 -0.00 -0.00	0.00 0.62 0.02 0.03 0.05 0.00 0.04 0.02 0.01 0.02 0.03 0.05 0.00 0.00 0.04 0.02 0.01 0.02 0.03 0.05 0.00 0.05 0.00 0.05 0.00 0.05 0.00 0.05 0.00 0.05 0.00 0.05 0.00 0.05 0.00 0.05 0.00 0.05 0.00 0.05 0.00 0.05 0.00	1.63 -2.70 0.03 -0.63 1.27 -0.06 1.23 -1.26 0.03 1.77 1.43 mean diffu 2.32 -0.97 -5.11 -1.76 -0.44 -0.14 2.25 -0.81 -5.14 -1.75 -0.44 0.09 -0.19	197.7 217.9 109.5 194.3 150.9 140.1 197.4 271.9 113.7 273.1 120.2 151.7 176.0 276.8 295.3 170.3 122.4 195.3 161.4 263.9 354.0 195.0 144.1 202.4	0.104 0.007 0.975 0.527 0.206 0.952 0.220 0.208 0.978 0.078 0.000 0.002 0.334 0.000 0.069 0.891 0.026 0.417 0.000 0.081 0.069 0.081 0.069 0.081	0.166 0.014 0.975 0.540 0.291 0.952 0.293 0.277 0.978 0.104 0.208 0.035 0.534 0.000 0.162 0.753 0.932 0.3556 0.000 0.162 0.753 0.932 0.753	0.00 -2.88 -0.04 -0.09 -0.09 -0.00 -0.12 -0.04 -0.05 -0.22 -0.11 -0.01 -0.05 -0.22 -0.18 -0.01 -0.01 -0.05 -0.23 -0.18 -0.01 -0.01 -0.01 -0.01 -0.01 -0.01 -0.01	-0.45
SE= standard error; Df = degrees of freedom; FDR = false discovery rate; LCI = lower limit of the 95% confidence interval; UCI = upper limit of the 95% confidence interval; UCI = upper limit of the 95% confidence interval;	Base model Fully adjusted model $(R^2=.01)$ $(R^2=.01)$	Age delta Height (Intercept) SBP (z-score) Female sex Age at MRI Age delta Height Non-European ethnicity BMI (z-score) Parental education Maternal age (Intercept) SBP (z-score) Female sex Age at MRI Age delta Height (Intercept) SBP (z-score) Female sex Age at MRI Age delta Height Age delta Height Non-European ethnicity	0.03 0.00 -1.66 0.00 0.00 0.00 0.00 0.00 0.01 0.01 -0.16 -0.09 -0.02 0.00 0.00 -0.01 -0.01 -0.01 -0.01 -0.00	0.05 0.00 0.62 0.02 0.05 0.05 0.06 0.00 0.04 0.01 0.00 0.05 0.05 0.05 0.05 0.05 0.05	1.65 -2.67 0.16 -0.64 1.27 0.07 1.20 -1.26 -0.02 1.79 1.42 -0.81 -5.18 -1.77 -0.44 -0.02 2.21 -0.44 -5.22 -1.75 -0.44 -0.21 -0.88	219.2 216.7 137.0 193.3 152.0 137.0 214.2 278.9 119.5 286.4 211.7 usivity (MI 176.0 135.4 305.1 296.2 165.2 146.7 212.9 134.0 292.8 354.3 188.9 154.3 204.9	0.101 0.008 0.876 0.522 0.207 0.947 0.233 0.208 0.987 0.075 0.157 0.157 0.026 0.420 0.000 0.079 0.660 0.988 0.028 0.662 0.000 0.081 0.662 0.888 0.833 0.382	0.162 0.016 0.876 0.533 0.297 0.947 0.311 0.277 0.987 0.100 0.209 0.037 0.672 0.000 0.162 0.757 0.988 0.037 0.876 0.000 0.162 0.757 0.988 0.037	0.00 -2.88 -0.03 -0.09 -0.04 -0.09 0.00 -12 -0.04 0.00 0.00 -0.17 -0.05 -0.22 -0.18 -0.11 -0.05 -0.23 -0.11 -0.01 -0.08 -0.05	0.01 -0.43 -0.04 0.04 0.17 0.00 0.01 0.03 0.04 0.03 0.01 -0.10 0.01 2.59 0.02 -0.10 0.01 0.01 0.01 0.01 0.01 0.01 0.0	adjusted model Base model Fully adjusted model $(R^2=.01) \hspace{1cm} (R^2=.01)$	Height (Intercept) DBP (z-score) Female sex Age at MRI Age delta Height Non-European ethnicity BMI (z-score) Parental education Maternal age (Intercept) DBP (z-score) Female sex Age at MRI Age delta Height (Intercept) DBP (z-score) Female sex Age at MRI Age delta Height (Intercept) DBP (z-score) Female sex Age at MRI Age delta Height Age at MRI Age delta Height Non-European ethnicity BMI (z-score)	0.00 -1.67 0.00 -0.02 0.07 0.00 0.00 -0.05 0.00 0.01 -0.16 -0.09 -0.02 -0.16 -0.09 -0.01 -0.16 -0.09 -0.00 -0.01 -0.01	0.00 0.62 0.02 0.03 0.05 0.00 0.04 0.02 0.03 0.05 0.00 0.04 0.02 0.01 0.00 0.05 0.05 0.05 0.05 0.05 0.05	1.63 -2.70 0.03 -0.63 1.27 -0.06 1.23 -1.26 0.03 1.77 1.43 -0.97 -5.11 -1.76 -0.44 -0.14 -2.25 -0.81 -5.14 -1.75 -0.44 -0.09 -0.19 -0.97	197.7 217.9 109.5 194.3 150.9 140.1 197.4 271.9 113.7 273.1 220.2 151.7 176.0 276.8 295.3 170.3 122.4 195.3 161.4 263.9 354.0 195.0 195.0 144.1 202.4 105.1	0.104 0.007 0.975 0.527 0.206 0.952 0.220 0.208 0.978 0.078 0.078 0.078 0.080 0.080 0.080 0.090 0.091 0.002 0.001 0.000 0.001 0.000 0.001 0.000 0.001 0.000 0.001 0.000	0.166 0.014 0.975 0.540 0.291 0.962 0.293 0.277 0.978 0.104 0.208 0.035 0.534 0.000 0.162 0.753 0.932 0.035 0.556 0.000 0.162 0.753 0.932 0.0556 0.000 0.162 0.753	0.00 -2.88 -0.04 -0.09 -0.09 -0.00 -0.12 -0.04 -0.05 -0.22 -0.18 -0.01 -0.01 -0.05 -0.23 -0.18 -0.11 -0.11 -0.01 -0.01 -0.08 -0.08	-0.45

Table S4 - Linear mixed model results (with age interaction)

			CAF			A THICKN	ESS (IMT)	1				ļ						ENSIBILITY	′				
				Total Fixed effe		ume (TBV)				Mode	Linfo	\mathbf{H}				Total Fixed effe	brain volu	ume (TBV)				Model	Linfo
	Predictor	Beta	SE	Statistic	Df	LCI	UCI	Punneture	Pene		121038.4	1 }	Predictor	Beta	SE	Statistic	Df	LCI	UCI	Pumduster	Pene		121043.1
le e	(Intercept)	885.71	29.63	29.89	193.70	827.27	944.14	0.000	0.000	Random	12 1000.4	lep	(Intercept)	878.84	30.93	28.41	141.45	817.70	939.99	0.000	0.000	Random	121043.1
Base mode	Age	7.01	0.34	20.75	48.90	6.34	7.69	0.000	0.000	effect SD	79.0	Base mode	Age	7.02	0.34	20.76	48.93	6.34	7.70	0.000	0.000	effect SD	79.0
ase	IMT (z-score)	3.94	4.16 2.72	0.95 -25.20	60.81 238.20	-4.38	12.25 -63.25	0.347	0.780			ase	Distensibility (z-score)	1.59	3.84	0.41	83.38 267.76	-6.06	9.23	0.681	1.000		
В.	Female sex Height	-68.61 1.94	0.72	-25.20 9.45	238.20	-73.97 1.53	-63.25 2.34	0.000	0.000			ш	Female sex Height	-69.12 1.99	2.69 0.22	-25.67 9.24	152 27	-74.43 1.56	-63.82 2.41	0.000	0.000		
	Age * IMT (z-score)	-0.13	0.30	-0.44	71.82	-0.72	0.46	0.662	0.874				Age * Distens. (z-score)	-0.11	0.28	-0.38	97.46	-0.66	0.45	0.708	0.985		
				Fixed effe						Mode						Fixed effe						Model	
	Predictor	Beta	SE	Statistic	Df	LCI 834.38	UCI	Punadjusted	P _{FDR}		120871.2		Predictor	Beta	SE	Statistic 27.59	Df	LCI 824 66	001	Punadjusted	P _{FDR}		120877.2
model	(Intercept) Age	896.42 7.03	31.45 0.34	28.50 20.85	185.41 49.22	6.35	958.47 7.71	0.000	0.000	Random effect SD	77.5	model	(Intercept) Age	888.26 7.03	32.19 0.34	20.86	152.57 49.25	6.35	951.86 7.71	0.000	0.000	Random effect SD	77.6
e P	IMT (z-score)	4.31	4.15	1.04	60.71	-3.98	12.60	0.303	0.780	CITCOL OD	77.0	e P	Distensibility (z-score)	1.84	3.86	0.48	81.39	-5.84	9.52	0.634	1.000	CHOOL OD	77.0
adjusted	Female sex	-68.75	2.68	-25.63	236.75	-74.03	-63.46	0.000	0.000			adjusted	Female sex	-69.37	2.66	-26.11	261.26	-74.60	-64.13	0.000	0.000		
adjr	Height Non-European ethnicity	1.63	0.21	7.94 -7.44	263.79 185.47	1.22 -29.58	2.03	0.000	0.000			adju	Height Non-European ethnicity	1.69 -23.13	0.21 3.12	7.94 -7.42	187.34 198.65	1.27 -29.28	2.10 -16.98	0.000	0.000		
Fully	BMI (z-score)	4.16	1.35	3.08	236.21	1.50	6.82	0.002	0.005			Fully	BMI (z-score)	4.31	1.36	3.17	236.46	1.63	7.00	0.002	0.005		
-	Parental education	2.74	0.69	3.96	131.91	1.37	4.11	0.000	0.000			1 "	Parental education	2.77	0.69	4.02	132.76	1.41	4.14	0.000	0.000		
	Maternal age	0.50	0.27	1.85	336.24	-0.03	1.03	0.066	0.231				Maternal age	0.49	0.27	1.84	343.01	-0.04	1.02	0.067	0.235		
	Age * IMT (z-score)	-0.13	0.30	-0.44 Grev I	72.11 natter vol	-0.72 lume (GM\	0.46	0.661	0.874				Age * Distens. (z-score)	-0.11	0.28	-0.38 Grev r	98.69	-0.66 ume (GMV)	0.45	0.704	0.985		
				Fixed effe			,			Mode						Fixed effe			,			Model	l info
_	Predictor	Beta	SE	Statistic	Df	LCI	UCI	P _{unadjusted}	P _{FDR}	AIC	110967.6	_	Predictor	Beta	SE	Statistic	Df	LCI	UCI	Punadjusted	P _{FDR}	AIC	110973.6
model	(Intercept) Age	625.25 -0.61	17.70 0.20	35.32 -3.04	173.65 68.24	590.31 -1.01	660.19 -0.21	0.000	0.000	Random effect SD	AE 7	Base model	(Intercept) Age	620.47 -0.61	18.84 0.20	32.93 -3.03	115.07 67.83	583.14 -1.00	657.79 -0.21	0.000	0.000	Random effect SD	45.7
3e m	IMT (z-score)	2.91	2.33	1.25	113.06	-1.71	7.53	0.003	0.780	enect SD	45.7	3e m	Distensibility (z-score)	0.80	2.33	0.34	116.83	-3.82	5.42	0.732	1.000	errect SD	45./
Baser	Female sex	-40.49	1.66	-24.35	172.02	-43.77	-37.21	0.000	0.000			Ва	Female sex	-40.85	1.67	-24.44	165.40	-44.15	-37.55	0.000	0.000		
	Height	1.08	0.12	8.64	169.55	0.83	1.32	0.000	0.000				Height	1.11	0.13	8.35	111.05	0.85	1.37	0.000	0.000		
-	Age * IMT (z-score)	-0.11	0.18	-0.60 Fixed effe	113.68 ects	-0.46	0.25	0.551	0.874	Mode	l info	H	Age * Distens. (z-score)	-0.05	0.18	-0.27 Fixed effe	116.77 ects	-0.40	0.31	0.791	0.985	Model	l info
	Predictor	Beta	SE	Statistic	Df	LCI	UCI	P _{unadjusted}	P _{FDR}		110762.1		Predictor	Beta	SE	Statistic	Df	LCI	UCI	Punadjusted	P _{FDR}		110770.4
100	(Intercept)	626.37	19.01	32.95	148.63	588.80	663.94	0.000	0.000	Random		- To	(Intercept)	620.99	19.86	31.27	111.48	581.64	660.35	0.000	0.000	Random	
model	Age IMT (z-score)	-0.59 3.19	0.20 2.34	-2.98 1.36	68.66 109.91	-0.99 -1.45	-0.20 7.82	0.004	0.005	effect SD	44.6	adjusted model	Age Distensibility (z-score)	-0.59 0.83	0.20 2.33	-2.96 0.35	68.27 115.65	-0.99 -3.80	-0.19 5.45	0.004	0.005 1.000	effect SD	44.7
ted	Female sex	-40.61	1.64	-24.76	164.33	-43.85	-37.37	0.000	0.000			ted	Female sex	-41.02	1.65	-24.89	159.27	-44.27	-37.76	0.000	0.000		
adjusted	Height	0.91	0.13	7.07	147.89	0.65	1.16	0.000	0.000			djus	Height	0.95	0.14	6.99	106.49	0.68	1.21	0.000	0.000		
	Non-European ethnicity	-14.88	1.89	-7.87	152.89	-18.62	-11.15	0.000	0.000			Fully a	Non-European ethnicity	-14.70	1.88	-7.81	158.42	-18.41	-10.98	0.000	0.000		
Fully	BMI (z-score) Parental education	1.78 1.78	0.81	2.21 4.28	198.09 113.79	0.19 0.96	3.37 2.60	0.028	0.044			2	BMI (z-score) Parental education	1.87 1.80	0.81	2.32 4.34	218.25 114.61	0.28	3.46 2.63	0.021	0.037		
	Maternal age	0.36	0.17	2.21	210.92	0.04	0.69	0.028	0.203				Maternal age	0.36	0.17	2.19	210.39	0.04	0.69	0.029	0.210		
	Age * IMT (z-score)	-0.11	0.18	-0.60	111.61	-0.46	0.25	0.550	0.874			Ш	Age * Distens. (z-score)	-0.05	0.18	-0.27	118.45	-0.40	0.30	0.789	0.985		
				Fixed effe		nisotropy	(1 A)			Mode	l info	\Box				Fixed effe		nisotropy (17)			Model	l info
_	Predictor	Beta	SE	Statistic	Df	LCI	UCI	P _{unadjusted}	P _{FDR}	AIC	-54498.0	1_1	Predictor	Beta	SE	Statistic	Df	LCI	UCI	Puradjusted	P _{FDR}	AIC	-54499.1
nodel	(Intercept) Age	0.50	0.01	85.37 21.68	167.08 52.60	0.49	0.51	0.000	0.000	Random effect SD	0.0	model	(Intercept) Age	0.50	0.01	83.74 21.61	146.98 52.24	0.49	0.51 0.00	0.000	0.000	Random effect SD	0.0
Basen	IMT (z-score)	0.00	0.00	-0.32	152.87	0.00	0.00	0.752	0.856	ellect 3D	0.0	Basen	Distensibility (z-score)	0.00	0.00	-0.27	86.71	0.00	0.00	0.792	1.000	eriect SD	0.0
Ba	Female sex	0.00	0.00	-0.35	218.65	0.00	0.00	0.727	0.727			Ba	Female sex	0.00	0.00	-0.37	232.71	0.00	0.00	0.712	0.712		
	Height	0.00	0.00	1.92	173.91 169.13	0.00	0.00	0.057	0.064				Height	0.00	0.00	1.90 0.44	140.96	0.00	0.00	0.059	0.066		
	A + IMAT ()					0.00	0.00	0.829	0.874		l info	\vdash	Age * Distens. (z-score)	0.00	0.00	Fixed effe	106.99 ects	0.00	0.00	0.665	0.965	Model	l info
	Age * IMT (z-score)	0.00	0.00	0.22 Fixed effe	ects					Mode													-54513.7
	Predictor	0.00 Beta	0.00 SE	Fixed effe Statistic	Df	LCI	UCI	P _{unadjusted}	P _{FDR}		-54512.7		Predictor	Beta	SE	Statistic	Df	LCI	00.	P _{unadjusted}	P _{FDR}	AIC	
Jel	Predictor (Intercept)	0.00 Beta 0.50	0.00 SE 0.01	Statistic 77.93	Df 144.20	0.48	0.51	0.000	0.000	AIC Random		Jel	(Intercept)	0.50	0.01	77.13	132.73	0.48	0.51	0.000	0.000	Random	0.0
model	Predictor (Intercept) Age	0.00 Beta	0.00 SE	Fixed effe Statistic	Df			0.000		AIC	-54512.7 0.0	model	(Intercept) Age							· uradjusted	0.000		0.0
sted model	Predictor (Intercept) Age IMT (z-score) Female sex	0.00 Beta 0.50 0.00 0.00 0.00	0.00 SE 0.01 0.00 0.00 0.00	Fixed effects 5 Statistic 77.93 21.72 -0.29 -0.37	Df 144.20 52.65 154.31 221.04	0.48 0.00 0.00 0.00	0.51 0.00 0.00 0.00	0.000 0.000 0.769 0.714	0.000 0.000 0.856 0.727	AIC Random		sted model	(Intercept) Age Distensibility (z-score) Female sex	0.50 0.00 0.00 0.00	0.01 0.00 0.00 0.00	77.13 21.66 -0.28 -0.39	132.73 52.31 87.52 236.06	0.48 0.00 0.00 0.00	0.51 0.00 0.00 0.00	0.000 0.000 0.778 0.699	0.000 0.000 1.000 0.712	Random	0.0
adjusted model	Predictor (Intercept) Age IMT (z-score) Female sex Height	0.00 Beta 0.50 0.00 0.00 0.00 0.00	0.00 SE 0.01 0.00 0.00 0.00 0.00	Fixed effects Statistic 77.93 21.72 -0.29 -0.37 1.58	Df 144.20 52.65 154.31 221.04 170.24	0.48 0.00 0.00 0.00 0.00	0.51 0.00 0.00 0.00 0.00	0.000 0.000 0.769 0.714 0.116	0.000 0.000 0.856 0.727 0.125	AIC Random		adjusted model	(Intercept) Age Distensibility (z-score) Female sex Height	0.50 0.00 0.00 0.00 0.00	0.01 0.00 0.00 0.00 0.00	77.13 21.66 -0.28 -0.39 1.57	132.73 52.31 87.52 236.06 144.85	0.48 0.00 0.00 0.00 0.00	0.51 0.00 0.00 0.00 0.00	0.000 0.000 0.778 0.699 0.118	0.000 0.000 1.000 0.712 0.127	Random	0.0
	Predictor (Intercept) Age IMT (z-score) Female sex Height Non-European ethnicity	0.00 Beta 0.50 0.00 0.00 0.00 0.00 0.00 0.00 0.0	0.00 SE 0.01 0.00 0.00 0.00 0.00 0.00	Fixed effe Statistic 77.93 21.72 -0.29 -0.37 1.58 -1.88	Df 144.20 52.65 154.31 221.04 170.24 198.56	0.48 0.00 0.00 0.00 0.00 0.00	0.51 0.00 0.00 0.00 0.00 0.00	0.000 0.000 0.769 0.714 0.116 0.062	0.000 0.000 0.856 0.727 0.125 0.067	AIC Random		ully adjusted model	(Intercept) Age Distensibility (z-score) Female sex Height Non-European ethnicity	0.50 0.00 0.00 0.00 0.00 0.00	0.01 0.00 0.00 0.00 0.00 0.00	77.13 21.66 -0.28 -0.39 1.57 -1.91	132.73 52.31 87.52 236.06 144.85 197.47	0.48 0.00 0.00 0.00 0.00 0.00	0.51 0.00 0.00 0.00 0.00 0.00	0.000 0.000 0.778 0.699 0.118 0.057	0.000 0.000 1.000 0.712 0.127 0.061	Random	0.0
Fully adjusted model	Predictor (Intercept) Age IMT (z-score) Female sex Height	0.00 Beta 0.50 0.00 0.00 0.00 0.00	0.00 SE 0.01 0.00 0.00 0.00 0.00	Fixed effects Statistic 77.93 21.72 -0.29 -0.37 1.58	Df 144.20 52.65 154.31 221.04 170.24	0.48 0.00 0.00 0.00 0.00	0.51 0.00 0.00 0.00 0.00	0.000 0.000 0.769 0.714 0.116	0.000 0.000 0.856 0.727 0.125 0.067 0.872 0.097	AIC Random		Fully adjusted model	(Intercept) Age Distensibility (z-score) Female sex Height	0.50 0.00 0.00 0.00 0.00	0.01 0.00 0.00 0.00 0.00	77.13 21.66 -0.28 -0.39 1.57	132.73 52.31 87.52 236.06 144.85	0.48 0.00 0.00 0.00 0.00	0.51 0.00 0.00 0.00 0.00	0.000 0.000 0.778 0.699 0.118	0.000 0.000 1.000 0.712 0.127	Random	0.0
	Predictor (Intercept) Age IMT (z-score) Female sex Height Non-European ethnicity BMI (z-score) Parental education Maternal age	0.00 Beta 0.50 0.00 0.00 0.00 0.00 0.00 0.00 0.0	0.00 SE 0.01 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00	Fixed effe Statistic 77.93 21.72 -0.29 -0.37 1.58 -1.88 0.16 1.74 1.11	Df 144.20 52.65 154.31 221.04 170.24 198.56 234.30 168.22 151.18	0.48 0.00 0.00 0.00 0.00 0.00 0.00 0.00	0.51 0.00 0.00 0.00 0.00 0.00 0.00 0.00	0.000 0.000 0.769 0.714 0.116 0.062 0.872 0.083 0.268	0.000 0.000 0.856 0.727 0.125 0.067 0.872 0.097 0.451	AIC Random		Fully adjusted model	(Intercept) Age Age Distensibility (z-score) Female sex Height Non-European ethnicity BMI (z-score) Parental education Maternal age	0.50 0.00 0.00 0.00 0.00 0.00 0.00 0.00	0.01 0.00 0.00 0.00 0.00 0.00 0.00 0.00	77.13 21.66 -0.28 -0.39 1.57 -1.91 0.24 1.74	132.73 52.31 87.52 236.06 144.85 197.47 258.43 176.06 150.87	0.48 0.00 0.00 0.00 0.00 0.00 0.00 0.00	0.51 0.00 0.00 0.00 0.00 0.00 0.00 0.00	0.000 0.000 0.778 0.699 0.118 0.057 0.813 0.085 0.268	0.000 0.000 1.000 0.712 0.127 0.061 0.813 0.092 0.459	Random	0.0
	Predictor (Intercept) Age IMT (z-score) Female sex Height Non-European ethnicity BMI (z-score) Parental education	0.00 Beta 0.50 0.00 0.00 0.00 0.00 0.00 0.00 0.0	0.00 SE 0.01 0.00 0.00 0.00 0.00 0.00 0.00 0.0	Fixed effe Statistic 77.93 21.72 -0.29 -0.37 1.58 -1.88 0.16 1.74 1.11	Df 144.20 52.65 154.31 221.04 170.24 198.56 234.30 168.22 151.18 170.62	0.48 0.00 0.00 0.00 0.00 0.00 0.00 0.00	0.51 0.00 0.00 0.00 0.00 0.00 0.00 0.00	0.000 0.000 0.769 0.714 0.116 0.062 0.872 0.083	0.000 0.000 0.856 0.727 0.125 0.067 0.872 0.097	AIC Random		Fully adjusted model	(Intercept) Age Distensibility (z-score) Female sex Height Non-European ethnicity BMI (z-score) Parental education	0.50 0.00 0.00 0.00 0.00 0.00 0.00 0.00	0.01 0.00 0.00 0.00 0.00 0.00 0.00 0.00	77.13 21.66 -0.28 -0.39 1.57 -1.91 0.24 1.74 1.11	132.73 52.31 87.52 236.06 144.85 197.47 258.43 176.06 150.87	0.48 0.00 0.00 0.00 0.00 0.00 0.00 0.00	0.51 0.00 0.00 0.00 0.00 0.00 0.00 0.00	0.000 0.000 0.778 0.699 0.118 0.057 0.813 0.085	0.000 0.000 1.000 0.712 0.127 0.061 0.813 0.092	Random	0.0
	Predictor (Intercept) Age IMT (z-score) Female sex Height Non-European ethnicity BMI (z-score) Parental education Maternal age	0.00 Beta 0.50 0.00 0.00 0.00 0.00 0.00 0.00 0.0	0.00 SE 0.01 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00	Fixed effe Statistic 77.93 21.72 -0.29 -0.37 1.58 -1.88 0.16 1.74 1.11	Df 144.20 52.65 154.31 221.04 170.24 198.56 234.30 168.22 151.18 170.62 mean diff	0.48 0.00 0.00 0.00 0.00 0.00 0.00 0.00	0.51 0.00 0.00 0.00 0.00 0.00 0.00 0.00	0.000 0.000 0.769 0.714 0.116 0.062 0.872 0.083 0.268	0.000 0.000 0.856 0.727 0.125 0.067 0.872 0.097 0.451	AIC Random effect SD	0.0	Fully adjusted model	(Intercept) Age Age Distensibility (z-score) Female sex Height Non-European ethnicity BMI (z-score) Parental education Maternal age	0.50 0.00 0.00 0.00 0.00 0.00 0.00 0.00	0.01 0.00 0.00 0.00 0.00 0.00 0.00 0.00	77.13 21.66 -0.28 -0.39 1.57 -1.91 0.24 1.74 1.11	132.73 52.31 87.52 236.06 144.85 197.47 258.43 176.06 150.87 107.57 mean diffu	0.48 0.00 0.00 0.00 0.00 0.00 0.00 0.00	0.51 0.00 0.00 0.00 0.00 0.00 0.00 0.00	0.000 0.000 0.778 0.699 0.118 0.057 0.813 0.085 0.268	0.000 0.000 1.000 0.712 0.127 0.061 0.813 0.092 0.459	Random	0.0
Fully	Predictor (intercept) Age IMT (z-score) Female sex Height Non-European ethnicity BMI (z-score) Parental education Maternal age Age * IMT (z-score)	0.00 Beta 0.50 0.00 0.00 0.00 0.00 0.00 0.00 0.0	0.00 SE 0.01 0.00 0.00 0.00 0.00 0.00 0.00 0.0	Fixed effi Statistic 77.93 21.72 -0.29 -0.37 1.58 -1.88 0.16 1.74 1.11 0.21 Global Fixed effi Statistic	Df 144.20 52.65 154.31 221.04 170.24 198.56 234.30 168.22 151.88 170.62 mean diff	0.48 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 fusivity (M	0.51 0.00 0.00 0.00 0.00 0.00 0.00 0.00	0.000 0.000 0.769 0.714 0.116 0.062 0.872 0.083 0.268 0.831	0.000 0.000 0.856 0.727 0.125 0.067 0.872 0.097 0.451 0.874	AIC Random effect SD Mode AIC	0.0	Fully	(Intercept) Age Distensibility (2-score) Female sex Height Non-European ethnicity BMI (2-score) Parental education Maternal age Age * Distens. (2-score)	0.50 0.00 0.00 0.00 0.00 0.00 0.00 0.00	0.01 0.00 0.00 0.00 0.00 0.00 0.00 0.00	77.13 21.66 -0.28 -0.39 1.57 -1.91 0.24 1.74 1.11 0.44 Global Fixed effe	132.73 52.31 87.52 236.06 144.85 197.47 258.43 176.06 150.87 107.57 mean diffu	0.48 0.00 0.00 0.00 0.00 0.00 0.00 0.00	0.51 0.00 0.00 0.00 0.00 0.00 0.00 0.00	0.000 0.000 0.778 0.699 0.118 0.057 0.813 0.085 0.268 0.663	0.000 0.000 1.000 0.712 0.127 0.061 0.813 0.092 0.459 0.985	Random effect SD Model	0.0
Fully	Predictor (Intercept) Age MT (z-score) Female sex Height Non-European ethnicity BMI (z-score) Parental education Matternal age Age* IMT (z-score) Predictor (Intercept)	0.00 Beta 0.50 0.00 0.00 0.00 0.00 0.00 0.00 0.0	0.00 SE 0.01 0.00 0.00 0.00 0.00 0.00 0.00 0.0	Fixed efficients of the statistic for the statis	Df 144.20 52.65 154.31 221.04 170.24 198.56 234.30 168.22 151.18 170.62 mean diff ects Df 66.76	0.48 0.00 0.00 0.00 0.00 0.00 0.00 0.00	0.51 0.00 0.00 0.00 0.00 0.00 0.00 0.00	0.000 0.000 0.769 0.714 0.116 0.062 0.872 0.083 0.268 0.831	0.000 0.000 0.856 0.727 0.125 0.067 0.872 0.097 0.451 0.874	AIC Random effect SD Mode AIC Random	0.0 I info -57225.0	Fully	(Intercept) Age Distensibility (z-score) Female sex Height Non-European ethnicity BMI (z-score) Parental education Maternal age Age * Distens. (z-score) Predictor (Intercept)	0.50 0.00 0.00 0.00 0.00 0.00 0.00 0.00	0.01 0.00 0.00 0.00 0.00 0.00 0.00 0.00	77.13 21.66 -0.28 -0.39 1.57 -1.91 0.24 1.74 1.74 0.44 Global Fixed effe Statistic 122.63	132.73 52.31 87.52 236.06 144.85 197.47 258.43 176.06 150.87 107.57 mean diffuences Df 63.02	0.48 0.00 0.00 0.00 0.00 0.00 0.00 0.00	0.51 0.00 0.00 0.00 0.00 0.00 0.00 0.00	0.000 0.000 0.000 0.778 0.699 0.118 0.057 0.813 0.085 0.268 0.663	0.000 0.000 1.000 0.712 0.127 0.061 0.813 0.092 0.459 0.985	Random effect SD Model AIC Random	0.0 I info -57225.0
nodel Fully	Predictor (intercept) Age IMT (z-score) Female sex Height Non-European ethnicity BMI (z-score) Parental education Maternal age Age * IMT (z-score)	0.00 Beta 0.50 0.00 0.00 0.00 0.00 0.00 0.00 0.0	0.00 SE 0.01 0.00 0.00 0.00 0.00 0.00 0.00 0.0	Fixed effi Statistic 77.93 21.72 -0.29 -0.37 1.58 -1.88 0.16 1.74 1.11 0.21 Global Fixed effi Statistic	Df 144.20 52.65 154.31 221.04 170.24 198.56 234.30 168.22 151.88 170.62 mean diff	0.48 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 fusivity (M	0.51 0.00 0.00 0.00 0.00 0.00 0.00 0.00	0.000 0.000 0.769 0.714 0.116 0.062 0.872 0.083 0.268 0.831	0.000 0.000 0.856 0.727 0.125 0.067 0.872 0.097 0.451 0.874	AIC Random effect SD Mode AIC	0.0	nodel Fully	(Intercept) Age Distensibility (2-score) Female sex Height Non-European ethnicity BMI (2-score) Parental education Maternal age Age * Distens. (2-score)	0.50 0.00 0.00 0.00 0.00 0.00 0.00 0.00	0.01 0.00 0.00 0.00 0.00 0.00 0.00 0.00	77.13 21.66 -0.28 -0.39 1.57 -1.91 0.24 1.74 1.11 0.44 Global Fixed effe	132.73 52.31 87.52 236.06 144.85 197.47 258.43 176.06 150.87 107.57 mean diffu	0.48 0.00 0.00 0.00 0.00 0.00 0.00 0.00	0.51 0.00 0.00 0.00 0.00 0.00 0.00 0.00	0.000 0.000 0.778 0.699 0.118 0.057 0.813 0.085 0.268 0.663	0.000 0.000 1.000 0.712 0.127 0.061 0.813 0.092 0.459 0.985	Random effect SD Model	0.0
Fully	Predictor (Intercept) Age IMT (2-score) Female sex Height Non-European ethnicity BMI (2-score) Parental education Maternal age Age * IMT (2-score) Predictor (Intercept) Age IMT (2-score)	0.00 Beta 0.50 0.00 0.00 0.00 0.00 0.00 0.00 0.0	0.00 SE 0.01 0.00 0.00 0.00 0.00 0.00 0.00 0.0	Fixed effi Statistic 77.93 21.772 -0.29 -0.37 1.58 -1.88 0.16 1.74 1.11 0.21 Global Fixed effi Statistic 124.96 -53.06 0.67 -6.94	Df 144.20 52.65 154.31 221.04 170.24 198.56 234.30 168.22 151.18 170.62 mean diff ects Df 66.76 71.89 68.44 610.34	0.48 0.00 0.00 0.00 0.00 0.00 0.00 0.00	0.51 0.00 0.00 0.00 0.00 0.00 0.00 0.00	0.000 0.000 0.769 0.714 0.116 0.062 0.872 0.083 0.268 0.831	0.000 0.856 0.727 0.125 0.067 0.872 0.097 0.451 0.874 P _{FDR} 0.000 0.000 0.780 0.000	AIC Random effect SD Mode AIC Random	0.0 I info -57225.0	Fully	(Intercept) Age Distensibility (2-score) Female sex Height Non-European ethnicity Parental education Maternal age Age * Distens. (2-score) Predictor (Intercept) Age Distensibility (2-score) Female sex	0.50 0.00 0.00 0.00 0.00 0.00 0.00 0.00	0.01 0.00 0.00 0.00 0.00 0.00 0.00 0.00	77.13 21.66 -0.28 -0.39 1.57 -1.91 0.24 1.74 1.11 0.44 Global Fixed effe Statistic 122.63 -53.03 -0.65 -6.95	132.73 52.31 87.52 236.06 144.85 197.47 258.43 176.06 150.87 107.57 mean diffuects Df 63.02 72.14 71.81 620.08	0.48 0.00 0.00 0.00 0.00 0.00 0.00 0.00	0.51 0.00 0.00 0.00 0.00 0.00 0.00 0.00	0.000 0.000 0.778 0.699 0.118 0.057 0.813 0.085 0.268 0.663	0.000 0.000 1.000 0.712 0.127 0.061 0.813 0.092 0.459 0.985 P _{FDR} 0.000 0.000 1.000	Random effect SD Model AIC Random	0.0 I info -57225.0
nodel Fully	Predictor (Intercept) Age IMT (z-score) Fernale sex Height Non-European ethnicity BMI (z-score) Parental education Maternal age Age * IMT (z-score) Predictor (Intercept) Age IMT (z-score) Fernale sex Height	0.00 Beta 0.50 0.00 0.00 0.00 0.00 0.00 0.00 0.0	SE 0.01 0.00 0.00 0.00 0.00 0.00 0.00 0.0	Fixed effi Statistic 77.93 21.72 -0.29 -0.37 1.58 0.16 1.74 1.11 0.21 Global Fixed effi Statistic -53.00 0.69 -6.94	Df 144.20 52.65 154.31 221.04 170.24 198.56 234.30 168.22 151.18 170.62 mean diff ects Df 66.76 71.89 68.44 610.34 73.33	0.48 0.00	0.51 0.00 0.00 0.00 0.00 0.00 0.00 0.00	0.000 0.000 0.769 0.716 0.116 0.062 0.872 0.083 0.268 0.831 Puradjuided 0.000 0.000 0.506 0.000 0.902	0.000 0.856 0.727 0.125 0.067 0.872 0.097 0.451 0.874 P _{FDR} 0.000 0.780 0.000 0.780 0.902	AIC Random effect SD Mode AIC Random	0.0 I info -57225.0	nodel Fully	(Intercept) Age Distensibility (z-score) Fernale sex Height Non-European ethnicity BMI (z-score) Parental education Maternal age Age * Distens. (z-score) Predictor (Intercept) Age Distensibility (z-score) Fernale sex Height	0.50 0.00 0.00 0.00 0.00 0.00 0.00 0.00	0.01 0.00 0.00 0.00 0.00 0.00 0.00 0.00	77.13 21.66 -0.28 -0.39 1.57 -1.91 0.24 1.74 1.11 0.44 Global Fixed effc Statistic 122.63 -33.03 -0.65 -0.95 0.11	132.73 52.31 87.52 236.08 144.85 197.47 258.43 176.06 150.87 107.57 mean diffusects Df 63.02 72.14 71.81 620.08 67.91	0.48 0.00	0.51 0.00 0.00 0.00 0.00 0.00 0.00 0.00	0.000 0.000 0.778 0.699 0.118 0.057 0.813 0.085 0.268 0.663	0.000 0.000 1.000 0.712 0.127 0.061 0.813 0.092 0.459 0.985 PFDR 0.000 1.000 0.000 0.913	Random effect SD Model AIC Random	0.0 I info -57225.0
nodel Fully	Predictor (Intercept) Age IMT (2-score) Female sex Height Non-European ethnicity BMI (2-score) Parental education Maternal age Age * IMT (2-score) Predictor (Intercept) Age IMT (2-score)	0.00 Beta 0.50 0.00 0.00 0.00 0.00 0.00 0.00 0.0	0.00 SE 0.01 0.00 0.00 0.00 0.00 0.00 0.00 0.0	Fixed effi Statistic 77.93 21.772 -0.29 -0.37 1.58 -1.88 0.16 1.74 1.11 0.21 Global Fixed effi Statistic 124.96 -53.06 0.67 -6.94	Df 144.20 52.65 154.31 221.04 198.56 234.30 168.22 151.18 170.62 mean diff ects Df 66.76 71.89 68.44 610.34 73.33 75.80	0.48 0.00 0.00 0.00 0.00 0.00 0.00 0.00	0.51 0.00 0.00 0.00 0.00 0.00 0.00 0.00	0.000 0.000 0.769 0.714 0.116 0.062 0.872 0.083 0.268 0.831	0.000 0.856 0.727 0.125 0.067 0.872 0.097 0.451 0.874 P _{FDR} 0.000 0.000 0.780 0.000	AIC Random effect SD Mode AIC Random	0.0 I info -57225.0 0.0	nodel Fully	(Intercept) Age Distensibility (2-score) Female sex Height Non-European ethnicity Parental education Maternal age Age * Distens. (2-score) Predictor (Intercept) Age Distensibility (2-score) Female sex	0.50 0.00 0.00 0.00 0.00 0.00 0.00 0.00	0.01 0.00 0.00 0.00 0.00 0.00 0.00 0.00	77.13 21.66 -0.28 -0.39 1.57 -1.91 0.24 1.74 1.11 0.44 Global Fixed effe Statistic 122.63 -53.03 -0.65 -6.95	132.73 52.31 87.52 236.06 144.85 197.47 258.43 176.06 150.87 107.57 mean diffuects Df 63.02 72.14 71.81 620.08 67.91 78.10	0.48 0.00 0.00 0.00 0.00 0.00 0.00 0.00	0.51 0.00 0.00 0.00 0.00 0.00 0.00 0.00	0.000 0.000 0.778 0.699 0.118 0.057 0.813 0.085 0.268 0.663	0.000 0.000 1.000 0.712 0.127 0.061 0.813 0.092 0.459 0.985 P _{FDR} 0.000 0.000 1.000	Random effect SD Model AIC Random	0.0 l info -57225.0 0.0
nodel Fully	Predictor (Intercept) Age IMT (z-score) Fernale sex Height Non-European ethnicity BMI (z-score) Parental education Maternal age Age * IMT (z-score) Predictor (Intercept) Age IMT (z-score) Fernale sex Height	0.00 Beta 0.50 0.00 0.00 0.00 0.00 0.00 0.00 0.0	0.00 SE 0.01 0.00 0.00 0.00 0.00 0.00 0.00 0.0	Fixed effi Statistic 77.93 21.72 -0.29 -0.37 1.58 -1.88 0.16 1.74 0.21 Global Fixed effi Statistic 124.96 -53.00 0.67 -6.94 0.12	Df 144.20 52.65 154.31 221.04 198.56 234.30 168.22 151.18 170.62 mean diff ects Df 66.76 71.89 68.44 610.34 73.33 75.80	0.48 0.00	0.51 0.00 0.00 0.00 0.00 0.00 0.00 0.00	0.000 0.000 0.769 0.716 0.116 0.062 0.872 0.083 0.268 0.831 Puradjuided 0.000 0.000 0.506 0.000 0.902	0.000 0.856 0.727 0.125 0.067 0.872 0.097 0.451 0.874 P _{FDR} 0.000 0.780 0.000 0.780 0.902	AIC Random effect SD Mode AIC Random effect SD	0.0 I info -57225.0 0.0	nodel Fully	(Intercept) Age Distensibility (z-score) Fernale sex Height Non-European ethnicity BMI (z-score) Parental education Maternal age Age * Distens. (z-score) Predictor (Intercept) Age Distensibility (z-score) Fernale sex Height	0.50 0.00 0.00 0.00 0.00 0.00 0.00 0.00	0.01 0.00 0.00 0.00 0.00 0.00 0.00 0.00	77.13 21.66 -0.28 -0.39 1.57 -1.91 0.24 1.74 Global Fixed effe Statistics 122.63 -0.65 -6.95 0.11 0.43	132.73 52.31 87.52 236.06 144.85 197.47 258.43 176.06 150.87 107.57 mean diffuects Df 63.02 72.14 620.08 67.91 78.10 pets	0.48 0.00	0.51 0.00 0.00 0.00 0.00 0.00 0.00 0.00	0.000 0.000 0.778 0.699 0.118 0.057 0.813 0.085 0.268 0.663	0.000 0.000 1.000 0.712 0.127 0.061 0.813 0.092 0.459 0.985 PFDR 0.000 1.000 0.000 0.913	Random effect SD Model AIC Random effect SD Model	0.0 l info -57225.0 0.0
Base model Fully	Predictor (Intercept) Age IMT (2-score) Female sex Height Non-European ethnicity BMI (2-score) Parental education Maternal age Age * IMT (2-score) Predictor (Intercept) Age IMT (2-score) Female sex Height Age * IMT (2-score)	0.00 Beta 0.50 0.00 0.00 0.00 0.00 0.00 0.00 0.0	SE 0.01 0.00 0.00 0.00 0.00 0.00 0.00 0.0	Fixed effi Statistic 77.93 21.72 -0.29 -0.37 1.58 -1.88 0.16 1.74 1.11 0.21 Global Fixed effi Statistic 124.96 -53.00 0.69 -6.94 0.12 0.12 0.12 0.12 0.16 Statistic	Df 144.20 52.65 154.31 221.04 170.24 198.56 234.30 168.22 151.18 170.62 mean diff ects Df 66.76 71.89 68.44 610.34 73.33 75.80 pets Df 89.66	0.48 0.00 0.00 0.00 0.00 0.00 0.00 0.00	0.51 0.00 0.00 0.00 0.00 0.00 0.00 0.00	0.000 0.000 0.769 0.714 0.116 0.062 0.872 0.083 0.268 0.831 Puradjusted 0.000 0.506 0.000 0.506 0.000 0.902 0.646	0.000 0.000 0.856 0.727 0.125 0.067 0.872 0.097 0.451 0.874 PFDR 0.000 0.780 0.000 0.902 0.874 PFDR 0.000	Mode AIC Random effect SD Mode AIC Random effect SD Mode AIC Random effect SD	0.0 I info -57225.0 0.0	Base model Fully	(Intercept) Age Distensibility (2-score) Female sex Height Non-European ethnicity Parental education Maternal age Age * Distens. (2-score) Predictor (Intercept) Age Distensibility (2-score) Predictor (Intercept) Age Distensibility (2-score) Predictor (Intercept) Age (Intercept) Age * Distens. (2-score)	0.50 0.00 0.00 0.00 0.00 0.00 0.00 0.00	0.01 0.00 0.00 0.00 0.00 0.00 0.00 0.00	77.13 21.66 -0.28 -0.39 1.57 -1.91 0.24 1.74 1.11 0.44 Global Fixed effe Statistic 122.63 -0.65 -6.95 0.11 0.43 Fixed effe Statistic	132.73 52.31 87.52 236.06 144.85 197.47 258.43 176.06 150.87 107.57 mean difft. ects Df 63.02 72.14 71.81 620.08 67.91 78.10 ects Df 82.84	0.48 0.00 0.00 0.00 0.00 0.00 0.00 0.00	0.51 0.00 0.00 0.00 0.00 0.00 0.00 0.00	0.000 0.000 0.000 0.000 0.778 0.699 0.118 0.057 0.813 0.085 0.268 0.663	0.000 0.000 1.000 1.000 0.712 0.127 0.061 0.813 0.092 0.459 0.985 PFDR 0.000 0.000 1.000 0.913 0.985 PFDR 0.000	Random effect SD Model AIC Random effect SD Model AIC Random effect SD	0.0 I info -57225.0 0.0
Base model Fully	Predictor (Intercept) Age IMT (z-score) Female sex Height Non-European ethnicity BMI (z-score) Parental education Maternal age Age * IMT (z-score) Predictor (Intercept) Age IMT (z-score) Female sex Height Age * IMT (z-score) Predictor (Intercept) Age * IMT (z-score)	0.00 Beta 0.50 0.00 0.00 0.00 0.00 0.00 0.00 0.0	SE 0.01 0.00 0.00 0.00 0.00 0.00 0.00 0.0	Fixed effi Statistic 77.93 21.72 -0.29 -0.37 1.58 -1.88 0.16 0.16 0.21 Global Fixed effi Statistic 124.96 -53.06 0.67 -6.94 0.12 -0.46 Fixed effi Statistic 125.26 Fixed effi Statistic	Df 144.20 52.65 154.31 221.04 170.24 198.56 234.30 168.22 151.18 170.62 mean diff ects Df 66.76 71.89 68.44 610.34 73.33 75.80 ects Df 89.68 72.08	0.48 0.00 0.00 0.00 0.00 0.00 0.00 0.00	0.51 0.00 0.00 0.00 0.00 0.00 0.00 0.00	0.000 0.000 0.769 0.714 0.116 0.062 0.872 0.083 0.268 0.831 Puraduated 0.000 0.000 0.5006 0.000 0.902 0.646 Puraduated 0.000 0.000 0.000 0.000 0.000 0.000	0.000 0.000 0.856 0.727 0.125 0.067 0.872 0.097 0.451 0.874 PFDR 0.000 0.000 0.902 0.874 PFDR 0.000 0.000 0.000	AIC Random effect SD Mode AIC Random effect SD	0.0 I info -57225.0 0.0	Base model Fully	(Intercept) Age Distensibility (z-score) Female sex Height Non-European ethnicity BMI (z-score) Parental education Maternal age Age * Distens. (z-score) Predictor (Intercept) Age Distensibility (z-score) Female sex Height Age * Distens. (z-score) Predictor (Intercept) Age Age * Distens. (z-score)	0.50 0.00 0.00 0.00 0.00 0.00 0.00 0.00	0.01 0.00 0.00 0.00 0.00 0.00 0.00 0.00	77.13 21.66 -0.28 -0.29 1.57 -1.91 0.24 1.74 1.11 0.44 Global Fixed effe Statistic 122.63 -5.3.03 -0.65 -6.95 0.43 Fixed effe Statistic 123.35 Fixed effe Statistic 123.35 Fixed effe Statistic 123.35 Fixed effe Statistic	132.73 52.31 87.52 236.06 144.85 197.47 258.43 176.06 150.87 107.57 mean difft 63.02 72.14 71.81 620.08 67.91 78.10 pcts Df 82.84 72.30	0.48 0.00 0.00 0.00 0.00 0.00 0.00 0.00	0.51 0.00 0.00 0.00 0.00 0.00 0.00 0.00	0.000 0.000 0.000 0.000 0.778 0.699 0.118 0.057 0.813 0.085 0.663 0.663	0.000 0.000 1.000 1.000 0.712 0.127 0.061 0.813 0.092 0.459 0.985 PFDR 0.000 0.000 1.000 0.000 0.913 0.985	Random effect SD Model AIC Random effect SD Model AIC	0.0 I info -57225.0 0.0
model Base model Fully	Predictor (Intercept) Age IMT (2-score) Female sex Height Non-European ethnicity BMI (2-score) Parental education Maternal age Age * IMT (2-score) Predictor (Intercept) Age IMT (2-score) Female sex Height Age * IMT (2-score)	0.00 Beta 0.50 0.00 0.00 0.00 0.00 0.00 0.00 0.0	SE 0.01 0.00 0.00 0.00 0.00 0.00 0.00 0.0	Fixed effi Statistic 77.93 21.72 -0.29 -0.37 1.58 -1.88 0.16 1.74 1.11 0.21 Global Fixed effi Statistic 124.96 -53.00 0.69 -6.94 0.12 0.12 0.12 0.12 0.16 Statistic	Df 144.20 52.65 154.31 221.04 170.24 198.56 234.30 168.22 151.18 170.62 mean diff ects Df 66.76 71.89 68.44 610.34 73.33 75.80 pets Df 89.66	0.48 0.00 0.00 0.00 0.00 0.00 0.00 0.00	0.51 0.00 0.00 0.00 0.00 0.00 0.00 0.00	0.000 0.000 0.769 0.714 0.116 0.062 0.872 0.083 0.268 0.831 Puradjusted 0.000 0.506 0.000 0.506 0.000 0.902 0.646	0.000 0.000 0.856 0.727 0.125 0.067 0.872 0.097 0.451 0.874 PFDR 0.000 0.780 0.000 0.902 0.874 PFDR 0.000	Mode AIC Random effect SD Mode AIC Random effect SD Mode AIC Random effect SD	0.0 I info -57225.0 0.0	model Base model Fully	(Intercept) Age Distensibility (2-score) Female sex Height Non-European ethnicity Parental education Maternal age Age * Distens. (2-score) Predictor (Intercept) Age Distensibility (2-score) Predictor (Intercept) Age Distensibility (2-score) Predictor (Intercept) Age (Intercept) Age * Distens. (2-score)	0.50 0.00 0.00 0.00 0.00 0.00 0.00 0.00	0.01 0.00 0.00 0.00 0.00 0.00 0.00 0.00	77.13 21.66 -0.28 -0.39 1.57 -1.91 0.24 1.74 1.11 0.44 Global Fixed effe Statistic 122.63 -0.65 -6.95 0.11 0.43 Fixed effe Statistic	132.73 52.31 87.52 236.06 144.85 197.47 258.43 176.06 150.87 107.57 mean difft. ects Df 63.02 72.14 71.81 620.08 67.91 78.10 ects Df 82.84	0.48 0.00 0.00 0.00 0.00 0.00 0.00 0.00	0.51 0.00 0.00 0.00 0.00 0.00 0.00 0.00	0.000 0.000 0.000 0.000 0.778 0.699 0.118 0.057 0.813 0.085 0.268 0.663	0.000 0.000 1.000 1.000 0.712 0.127 0.061 0.813 0.092 0.459 0.985 PFDR 0.000 0.000 1.000 0.913 0.985 PFDR 0.000	Random effect SD Model AIC Random effect SD Model AIC Random effect SD	0.0 I info -57225.0 0.0
model Base model Fully	Predictor (Intercept) Age IMT (2-score) Female sex Height Non-European ethnicity BMI (2-score) Parental education Maternal age Age *IMT (2-score) Predictor (Intercept) Age IMT (2-score) Female sex Height Age *IMT (2-score) Predictor (Intercept) Age ima (2-score) Female sex Height Age IMT (2-score)	0.00 Beta 0.50 0.00 0.00 0.00 0.00 0.00 0.00 0.0	SE 0.01 0.00 0.00 0.00 0.00 0.00 0.00 0.0	Fixed eff. Statistic 77.93 21.72 -0.29 21.72 -0.29 -0.37 1.58 -1.88 0.16 1.74 1.11 0.21 Global Fixed eff. Statistic 124.96 -0.46 0.12 -0.46 Fixed eff. Statistic 125.28 -53.04 0.88 -6.98	Df 144.20 52.65 154.31 221.04 170.24 198.56 234.30 168.22 151.18 170.62 mean diff ects Df 66.76 71.89 68.44 610.34 73.33 75.80 ects Df 89.66 672.08 69.35 604.48	0.48 0.00 0.00 0.00 0.00 0.00 0.00 0.00	0.51 0.00 0.00 0.00 0.00 0.00 0.00 0.00	0.000 0.000 0.769 0.714 0.116 0.062 0.872 0.083 0.268 0.831 Puraduated 0.000 0.000 0.506 0.000 0.902 0.646	0.000 0.000 0.856 0.727 0.125 0.067 0.872 0.097 0.451 0.000 0.000 0.748 P _{FDR} 0.000 0.000 0.922 0.874	Mode AIC Random effect SD Mode AIC Random effect SD Mode AIC Random effect SD	0.0 I info -57225.0 0.0	model Base model Fully	(Intercept) Age Distensibility (2-score) Female sex Height Non-European ethnicity BMI (2-score) Parental education Maternal age Age * Distens. (2-score) Predictor (Intercept) Age Distensibility (2-score) Female sex Height Age * Distens. (2-score) Predictor (Intercept) Age (2-score) Female sex Height Age Height Age Height Age Height Age Height Age	0.50 0.00 0.00 0.00 0.00 0.00 0.00 0.00	0.01 0.00 0.00 0.00 0.00 0.00 0.00 0.00	77.13 21.66 -0.28 -0.39 1.57 -1.91 0.24 1.74 1.11 0.44 Global Fixed effe Statistic 122.63 -53.03 -0.65 -0.13 Fixed effe Statistic 123.35 -53.06 -0.69 -0.69	132.73 52.31 87.52 236.06 144.85 197.47 258.43 176.06 150.87 107.57 mean diffuscts Df 63.02 72.14 71.81 620.08 67.91 78.10 pects Df 82.84 72.30 74.08 611.22 77.58	0.48 0.00 0.00 0.00 0.00 0.00 0.00 0.00	0.51 0.00 0.00 0.00 0.00 0.00 0.00 0.00	0.000 0.000 0.000 0.078 0.699 0.118 0.057 0.813 0.085 0.268 0.663 Puradizated 0.000 0.000 0.913 0.666 Puradizated 0.000 0.913 0.666	0.000 0.000 0.712 0.127 0.061 0.813 0.092 0.459 0.985 PFDR 0.000 0.000 0.000 0.000 0.913 0.985	Random effect SD Model AIC Random effect SD Model AIC Random effect SD	0.0 I info -57225.0 0.0
adjusted model Base model Fully	Predictor (Intercept) Age IMT (z-score) Fernale sex Height Non-European ethnicity BMI (z-score) Parental education Maternal age Age * IMT (z-score) Predictor (Intercept) Age IMT (z-score) Fernale sex Age * IMT (z-score) Predictor (Intercept) Age * IMT (z-score) Fernale sex Height Non-European ethnicity Non-European ethnicity	Beta 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.	SE 0.01 0.00 0.00 0.00 0.00 0.00 0.00 0.0	Fixed eff. Statistic 77.93 21.72 -0.29 -0.37 1.58 -1.88 0.16 1.74 0.21 Global Fixed eff. Statistic 124.96 -53.00 0.67 -6.94 0.12 -0.46 Fixed eff. Statistic 125.28 -53.04 0.88 -6.98 0.36 0.23	Df 144.20 144.20 15.26 15.26 15.4.31 170.24 198.56 234.30 170.24 151.18 170.62 151.18 170.62 151.18 170.62 151.18 170.65 66.76 71.89 68.44 73.33 75.80 Df 88.66 70.83 60.44 610.34 50.65 60.48 60.85 60.48 26.85 60.25 60.25 60.25 60.25 60.25 60.25 60.25 60.25 60.25 60.25 60.25 60.25 60.25 60.25 6	0.48 0.00 0.00 0.00 0.00 0.00 0.00 0.00	0.51 0.00 0.00 0.00 0.00 0.00 0.00 0.00	0.000 0.000 0.769 0.714 0.116 0.062 0.872 0.083 0.268 0.831 Puradiated 0.000 0.000 0.5006 0.000 0.902 0.646 0.000 0.000 0.000 0.000 0.5006 0.000 0.721 0.815	0.000 0.000 0.856 0.727 0.125 0.067 0.872 0.979 0.451 0.874 P _{FDR} 0.000 0.000 0.902 0.874 P _{FDR} 0.000 0.902 0.874	Mode AIC Random effect SD Mode AIC Random effect SD Mode AIC Random effect SD	0.0 I info -57225.0 0.0	adjusted model Base model Fully	(Intercept) Age Distensibility (z-score) Fermale sex Height Non-European ethnicity BMI (z-score) Parental education Maternal age Age * Distens. (z-score) Predictor (Intercept) Age Distensibility (z-score) Height Non-European ethnicity	0.50 0.00 0.00 0.00 0.00 0.00 0.00 0.00	0.01 0.00 0.00 0.00 0.00 0.00 0.00 0.00	77.13 21.66 -0.28 -0.28 -0.39 1.57 -1.91 0.24 1.74 1.11 0.44 Global Fixed eff(Statistic 122.63 -53.03 -0.65 -6.95 0.11 0.43 Fixed eff(Statistic 123.35 -53.06 -0.69 -6.98 0.35	132.73 52.31 87.52 236.06 144.85 197.47 258.43 176.06 150.87 107.57 mean diffuects Df 63.02 72.14 71.81 620.08 67.91 78.10 ects Df 82.84 72.30 74.08 611.22 77.54	0.48 0.00 0.00 0.00 0.00 0.00 0.00 0.00	0.51 0.00 0.00 0.00 0.00 0.00 0.00 0.00	0.000 0.000 0.000 0.000 0.778 0.699 0.118 0.057 0.813 0.085 0.268 0.663 Puradjusted 0.000 0.520 0.000 0.520 0.000 0.913 0.666 Puradjusted 0.000 0.000 0.913 0.666 0.000 0.000 0.000 0.913 0.666 0.000 0.000 0.913 0.666	0.000 0.000 0.712 0.127 0.128 0.985 0.905 0.000 0.000 0.913 0.985 0.000 0.000 0.913 0.985	Random effect SD Model AIC Random effect SD Model AIC Random effect SD	0.0 I info -57225.0 0.0
model Base model Fully	Predictor (Intercept) Age IMT (2-score) Female sex Height Non-European ethnicity BMI (2-score) Parental education Maternal age Age * IMT (2-score) Predictor (Intercept) Age IMT (2-score) Female sex Height Age * IMT (2-score) Predictor (Intercept) Age * IMT (2-score) Age * IMT (2-score) Predictor (Intercept) Age * IMT (2-score) Predictor	0.00 Beta 0.50 0.00 0.00 0.00 0.00 0.00 0.00 0.0	SE 0.01 0.00 0.00 0.00 0.00 0.00 0.00 0.0	Fixed eff. Statistic 77.93 21.72 -0.29 -0.37 1.58 0.16 1.74 1.11 0.21 Global Fixed eff. Statistic 124.96 -53.00 0.67 -6.94 0.12 -0.46 Fixed eff. Statistic 125.28 -53.00 0.67 -6.94 0.12 -0.46 -6.94 0.12 -0.46 -6.94 0.12 -0.46 -6.94 0.12 -0.46 -6.94 0.12 -0.46 -6.94 0.12 -0.46 -6.94 0.12 -0.46 -6.94 0.12 -0.46 -6.94 0.12 -0.46 -6.94 0.12 -0.46 -6.94 0.12 -0.90 0.23 -0.90	Df 144.20 144.20 154.31 1221.04 198.56 154.31 170.24 198.56 154.31 198.56 154.31 198.56 154.31 198.56 154.31 198.56 154.31 198.56 154.31 198.56 154.31 198.56 168.22 168.24 168.22 168.44 161.34 173.33 175.80 175.80 168.44 169.34 175.80 169.35	0.48 0.00 0.00 0.00 0.00 0.00 0.00 0.00	0.51 0.00 0.00 0.00 0.00 0.00 0.00 0.00	0.000 0.000 0.769 0.714 0.116 0.062 0.872 0.083 0.288 0.831 Puradijustici 0.000 0.000 0.902 0.646 Puradijustici 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000	0.000 0.856 0.727 0.125 0.067 0.872 0.937 0.451 0.874 0.000 0.780 0.000 0.780 0.000 0.000 0.000 0.000 0.780 0.000 0.780 0.000	Mode AIC Random effect SD Mode AIC Random effect SD Mode AIC Random effect SD	0.0 I info -57225.0 0.0	model Base model Fully	(Intercept) Age Distensibility (z-score) Female sex Height Non-European ethnicity BMI (z-score) Parental education Maternal age Age * Distens. (z-score) Predictor (Intercept) Age Distensibility (z-score) Female sex Height Age * Distens. (z-score) Predictor (Intercept) Age Distensibility (z-score) Female sex Height Age * Distens. (z-score) Female sex Height Non-European ethnicity BMI (z-score)	0.50 0.00 0.00 0.00 0.00 0.00 0.00 0.00	0.01 0.00 0.00 0.00 0.00 0.00 0.00 0.00	77.13 21.66 -0.28 -0.28 -0.39 1.57 -1.91 0.24 1.74 1.71 0.44 Statistic 122.63 -6.95 0.11 0.43 Fixed effe Statistic 123.35 -6.95 -6.95 -6.95 -6.96 -6.98 -0.93 -0.69 -0.98 -0.93 -0.93 -0.93	132.73 52.31 87.52 236.06 144.85 197.47 258.43 176.06 150.87 107.57 mean diffuects Df 63.02 72.14 71.81 620.08 67.91 78.10 sects Df 82.84 72.30 74.08 611.22 77.58 257.48	0.48 0.00 0.00 0.00 0.00 0.00 0.00 0.00	0.51 0.00 0.00 0.00 0.00 0.00 0.00 0.00	0.000 0.000 0.000 0.0778 0.699 0.118 0.057 0.813 0.085 0.268 0.663 Purusilisated 0.000 0.000 0.520 0.000 0.913 0.666 0.000 0.000 0.494 0.000 0.725 0.725 0.759	0.000 0.000 0.712 0.027 0.081 0.081 0.092 0.085 0.0000 0.0000 0.00	Random effect SD Model AIC Random effect SD Model AIC Random effect SD	0.0 I info -57225.0 0.0
adjusted model Base model Fully	Predictor (Intercept) Age IMT (z-score) Fernale sex Height Non-European ethnicity BMI (z-score) Parental education Maternal age Age * IMT (z-score) Predictor (Intercept) Age IMT (z-score) Fernale sex Age * IMT (z-score) Predictor (Intercept) Age * IMT (z-score) Fernale sex Height Non-European ethnicity Non-European ethnicity	Beta 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.	SE 0.01 0.00 0.00 0.00 0.00 0.00 0.00 0.0	Fixed eff. Statistic 77.93 21.72 -0.29 -0.37 1.58 -1.88 0.16 1.74 0.21 Global Fixed eff. Statistic 124.96 -53.00 0.67 -6.94 0.12 -0.46 Fixed eff. Statistic 125.28 -53.04 0.88 -6.98 0.36 0.23	Df 144.20 144.20 15.26 15.26 15.4.31 170.24 198.56 234.30 170.24 151.18 170.62 151.18 170.62 151.18 170.62 151.18 170.65 66.76 71.89 68.44 73.33 75.80 Df 88.66 70.83 60.44 610.34 50.65 60.48 60.85 60.48 26.85 60.25 60.25 60.25 60.25 60.25 60.25 60.25 60.25 60.25 60.25 60.25 60.25 60.25 60.25 6	0.48 0.00 0.00 0.00 0.00 0.00 0.00 0.00	0.51 0.00 0.00 0.00 0.00 0.00 0.00 0.00	0.000 0.000 0.769 0.714 0.116 0.062 0.872 0.083 0.268 0.831 Puradiated 0.000 0.000 0.5006 0.000 0.902 0.646 0.000 0.000 0.000 0.000 0.5006 0.000 0.721 0.815	0.000 0.856 0.727 0.125 0.067 0.872 0.977 0.451 0.874 P _{FDR} 0.000 0.000 0.902 0.874 P _{FDR} 0.000 0.902 0.874	Mode AIC Random effect SD Mode AIC Random effect SD Mode AIC Random effect SD	0.0 I info -57225.0 0.0	adjusted model Base model Fully	(Intercept) Age Distensibility (z-score) Fermale sex Height Non-European ethnicity BMI (z-score) Parental education Maternal age Age * Distens. (z-score) Predictor (Intercept) Age Distensibility (z-score) Height Non-European ethnicity	0.50 0.00 0.00 0.00 0.00 0.00 0.00 0.00	0.01 0.00 0.00 0.00 0.00 0.00 0.00 0.00	77.13 21.66 -0.28 -0.28 -0.39 1.57 -1.91 0.24 1.74 1.11 0.44 Global Fixed eff(Statistic 122.63 -53.03 -0.65 -6.95 0.11 0.43 Fixed eff(Statistic 123.35 -53.06 -0.69 -6.98 0.35	132.73 52.31 87.52 236.06 144.85 197.47 258.43 176.06 150.87 107.57 mean diffuects Df 63.02 72.14 71.81 620.08 67.91 78.10 ects Df 82.84 72.30 74.08 611.22 77.54	0.48 0.00 0.00 0.00 0.00 0.00 0.00 0.00	0.51 0.00 0.00 0.00 0.00 0.00 0.00 0.00	0.000 0.000 0.000 0.000 0.778 0.699 0.118 0.057 0.813 0.085 0.268 0.663 Puradjusted 0.000 0.520 0.000 0.520 0.000 0.913 0.666 Puradjusted 0.000 0.000 0.913 0.666 0.000 0.000 0.000 0.913 0.666 0.000 0.000 0.913 0.666	0.000 0.000 0.712 0.127 0.128 0.985 0.905 0.000 0.000 0.913 0.985 0.000 0.000 0.913 0.985	Random effect SD Model AIC Random effect SD Model AIC Random effect SD	0.0 I info -57225.0 0.0
Fully adjusted model Base model Fully	Predictor (Intercept) Age IMT (z-score) Female sex Height Non-European ethnicity BMI (z-score) Parental education Maternal age Age * IMT (z-score) Predictor (Intercept) Age IMT (z-score) Female sex Height Age * IMT (z-score) Predictor (Intercept) Age * IMT (z-score) Predictor (Intercept) Age * IMT (z-score) Predictor Predictor (Intercept) Age * IMT (z-score) Predictor Predictor (Intercept) Age IMT (z-score) Predictor Predictor Predictor Predictor (Intercept) Age IMT (z-score) Predictor Predictor Predictor Intercept Age IMT (z-score) Predictor Intercept Age IMT (z-score) Predictor Intercept Int	0.00 Beta 0.50 0.00 0.00 0.00 0.00 0.00 0.00 0.0	SE 0.01 0.00 0.00 0.00 0.00 0.00 0.00 0.0	Fixed effect 124.96	Df 144.20 21.14 22.10 24.15 21	0.48 0.00 0.00 0.00 0.00 0.00 0.00 0.00	0.51 0.00 0.00 0.00 0.00 0.00 0.00 0.00	0.000 0.000 0.000 0.769 0.714 0.116 0.062 0.872 0.083 0.288 0.831 Pundadded 0.000 0.000 0.506 0.000 0.506 0.000 0.500 0.000 0.500 0.000 0.500 0.000 0.500 0.000	0.000 0.856 0.727 0.125 0.067 0.872 0.451 0.874 PFUR 0.000 0.000 0.780 0.000 0.780 0.000 0.780 0.000 0.780 0.000 0.780 0.000 0.780 0.000 0.788	Mode AIC Random effect SD Mode AIC Random effect SD	0.0 l info -57225.0 0.0	Fully adjusted model Base model Fully	(Intercept) Age Distensibility (z-score) Fermale sex Height Non-European ethnicity BMI (z-score) Parental education Maternal age Age * Distens. (z-score) Predictor (Intercept) Age Distensibility (z-score) Premale sex Height Age Distensibility (z-score) Premale sex Premale sex Height Non-European ethnicity BMI (z-score) Parental education	0.50 0.00 0.00 0.00 0.00 0.00 0.00 0.00	0.01 0.00 0.00 0.00 0.00 0.00 0.00 0.00	77.13 21.66 0.28 0.39 1.57 1.91 0.24 1.17 1.17 1.17 1.17 1.17 1.11 0.44 Global 112.63 0.30 0.45 0.45 0.45 0.45 0.45 0.45 0.45 0.4	132.73 52.31 75.25	0.48 0.00 0.00 0.00 0.00 0.00 0.00 0.00	0.51 0.00 0.00 0.00 0.00 0.00 0.00 0.00	0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.0118 0.085 0.268 0.663 0.663 0.663 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.0000 0.000	0.000 1.000 1.000 0.712 0.061 0.813 0.092 0.459 0.000 0.000 1.000 0.000	Random effect SD Model AIC Random effect SD Model AIC Random effect SD	0.0 I info -57225.0 0.0

Table S4 - Linear mixed model results (with age interaction) (cont'd)

			8	YSTOLIC	BLOOD P	RESSURE	(SBP)							D			RESSURE					
				Total	l brain vol	ume (TBV)				Model info					Total Fixed effe		ume (TBV)				Model	info
-	Predictor	Beta	SE	Statistic	Df	LCI	UCI	Punadianted	P _{FDR}	AIC 121034.1		Predictor	Beta	SE	Statistic	Df	LCI	UCI	Pupadiusted	P _{EDR}	AIC 1	
model	(Intercept)	860.52	30.56	28.16	184.11	800.22	920.82	0.000	0.000	Random	model	(Intercept)	874.31	29.84	29.30	172.59	815.42	933.21	0.000	0.000	Random	21020.
ě	Age	7.01	0.34	20.75	48.88	6.34	7.69	0.000	0.000	effect SD 78.9	ê	Age	7.02	0.34	20.77	48.99	6.34	7.69	0.000	0.000	effect SD	78.
Baseı	SBP (z-score)	-1.47	3.61	-0.41	115.50	-8.62	5.68	0.685	0.967		Base	DBP (z-score)	-2.35	3.74	-0.63	93.49	-9.77	5.06	0.530	0.978		
Ф	Female sex Height	-68.63 2.11	2.70 0.21	-25.46 9.95	255.38 197.56	-73.94 1.70	-63.33 2.53	0.000	0.000		В	Female sex Height	-68.41 2.02	2.69 0.21	-25.45 9.75	264.20 190.98	-73.70 1.61	-63.11 2.42	0.000	0.000		
	Age * SBP (z-score)	-0.17	0.21	-0.62	91.32	-0.73	0.38	0.538	0.958			Age * DBP (z-score)	-0.18	0.27	-0.64	104.57	-0.72	0.37	0.524	0.949		
	(= 000.0)			Fixed eff						Model info					Fixed effe						Model	
	Predictor	Beta	SE	Statistic	Df	LCI	UCI	Punadjusted	P _{FDR}	AIC 120869.2		Predictor	Beta		Statistic	Df	LCI	UCI	P _{unadjusted}	P_{FDR}	AIC 1	20868.
ē	(Intercept)	875.91 7.03	32.02 0.34	27.36 20.84	172.61 49.17	812.71 6.35	939.11 7.71	0.000	0.000	Random	ē	(Intercept)	887.89	31.58 0.34	28.12 20.87	169.86 49.29	825.55 6.35	950.22 7.71	0.000	0.000	Random	
model	Age SBP (z-score)	-1.53	3.65	-0.42	113.31	-8.76	5.70	0.000	0.000	effect SD 77.5	ě	Age DBP (z-score)	7.03	3.71	-0.37	95.63	-8.73	6.02	0.000	0.000	effect SD	77.
ted	Female sex	-68.77	2.66	-25.83	250.30	-74.02	-63.53	0.000	0.000		ted	Female sex	-68.74	2.66	-25.89	257.70	-73.97	-63.51	0.000	0.000		
adjusted	Height	1.77	0.21	8.42	223.21	1.36	2.19	0.000	0.000		adjusted model	Height	1.69	0.21	8.20	227.11	1.29	2.10	0.000	0.000		
Fullya	Non-European ethnicity	-23.17	3.11	-7.46	204.64	-29.29	-17.05	0.000	0.000		Fully a	Non-European ethnicity	-22.91	3.11	-7.38	204.04	-29.04	-16.79	0.000	0.000		
ď	BMI (z-score) Parental education	5.31 2.69	1.37	3.86	339.95 131.89	2.61 1.32	8.01 4.06	0.000	0.000		ď	BMI (z-score) Parental education	4.57 2.68	1.35	3.38	239.81	1.90	7.24 4.05	0.001	0.002		
	Maternal age	0.49	0.03	1.84	336.05	-0.04	1.02	0.067	0.235			Maternal age	0.48	0.03	1.76	330.71	-0.06	1.00	0.079	0.276		
	Age * SBP (z-score)	-0.17	0.28	-0.60	91.13	-0.73	0.39	0.548	0.958			Age * DBP (z-score)	-0.17	0.28	-0.62	103.30	-0.71	0.38	0.539	0.949		
					matter vol	ume (GMV	′)										ume (GMV)				
-	Predictor	Beta	SE	Fixed eff	ects Df	LCI	UCI	D	D	Model info		Predictor	Beta	SE	Fixed effe	ects Df	LCI	UCI	D	D	Model AIC 1	
e e	(Intercept)	606.67	18.87	32 15	130.56	569.34	644 01	0.000	P _{FDR} 0.000	AIC 110957.4 Random	ē	(Intercept)	617.50	18.04	34 24	143.26	581.85	653 15	0.000	P _{FDR} 0.000	Random	10953.
model	Age	-0.61	0.20	-3.04	68.15	-1.01	-0.21	0.003	0.004	effect SD 45.7	Base model	Age	-0.61	0.20	-3.04	68.21	-1.00	-0.21	0.003	0.004	effect SD	45.
Baser	SBP (z-score)	-0.40	2.29	-0.17	129.80	-4.94	4.14	0.862	0.967		ase	DBP (z-score)	-1.30	2.29	-0.57	128.07	-5.83	3.24	0.572	0.978		
ñ	Female sex	-40.48	1.65	-24.54	178.45	-43.74	-37.23	0.000	0.000		ä	Female sex	-40.36	1.66	-24.36	172.69	-43.63	-37.09	0.000	0.000		
	Height Age * SBP (z-score)	1.21 -0.19	0.13	9.06	124.45 96.63	0.94 -0.55	1.47 0.18	0.000	0.000			Height Age * DBP (z-score)	1.13 -0.14	0.13	8.89 -0.76	137.55 95.39	0.88 -0.51	1.38 0.23	0.000	0.000		
	Age 3BF (2-Score)	-0.19	0.10	Fixed eff		-0.55	0.10	0.300	0.936	Model info		Age DBF (2-Score)	-0.14	0.16	Fixed effe		-0.51	0.23	0.440	0.949	Model	info
į	Predictor	Beta	SE	Statistic	Df	LCI	UCI	P _{unadjusted}	P _{FDR}	AIC 110758.3		Predictor	Beta	0_	Statistic	Df	LCI	001	P _{unadjusted}	P _{FDR}	AIC 1	10759.
e e	(Intercept)	612.52	19.76	31.00	122.20	573.41	651.64	0.000	0.000	Random	TO TO	(Intercept)	620.53	19.38	32.02	125.11	582.18	658.88	0.000	0.000	Random	
model	Age SBP (z-score)	-0.59 -0.13	0.20 2.33	-2.98 -0.06	68.59 122.95	-0.99 -4.73	-0.20 4.48	0.004	0.005 0.967	effect SD 44.6	model	Age DBP (z-score)	-0.59 -0.54	0.20 2.28	-2.97 -0.24	68.53 131.12	-0.99 -5.05	-0.20 3.96	0.004	0.005 0.978	effect SD	44.
ted	Female sex	-40.65	1.64	-24.85	165.66	-43.88	-37.42	0.000	0.000		ted	Female sex	-40.64	1.64	-24.72	159.67	-43.88	-37.39	0.000	0.000		
adjusted	Height	1.01	0.13	7.51	119.97	0.74	1.27	0.000	0.000		adjusted	Height	0.95	0.13	7.26	122.58	0.69	1.21	0.000	0.000		
	Non-European ethnicity	-14.73	1.87	-7.87	163.82	-18.43	-11.04	0.000	0.000		ly a	Non-European ethnicity	-14.57	1.88	-7.77	161.17	-18.27	-10.86	0.000	0.000		
Fully	BMI (z-score) Parental education	2.55 1.75	0.83	3.06 4.24	237.37 119.50	0.91	4.19 2.56	0.002	0.004		Fully	BMI (z-score) Parental education	2.05 1.74	0.81	2.54 4.23	209.16 120.60	0.46	3.64 2.56	0.012	0.019		
	Maternal age	0.36	0.41	2.19	206.94	0.93	0.69	0.000	0.000			Maternal age	0.35	0.41	2.12	200.23	0.93	0.68	0.036	0.000		
	Age * SBP (z-score)	-0.19	0.18	-1.01	97.02	-0.55	0.18	0.313	0.958			Age * DBP (z-score)	-0.14	0.19	-0.73	94.48	-0.50	0.23	0.465	0.949		
П					actional a	nisotropy	(FA)										nisotropy	(FA)				
ŀ	Predictor	Beta	SF	Fixed eff	ects	LCI	UCI	P	P _{FDR}	Model info AIC _54499.3		Predictor	Beta	SE	Fixed effe	ects Df	LCI	UCI	Punnetherted	P _{FDR}	Model AIC .	
를	(Intercept)	0.50	0.01	85.47	206.09	0.49	0.51	0.000	0.000	Random Random	ē	(Intercept)	0.50	0.01	86.75	180.81	0.49	0.51	0.000	0.000	Random	J4496.
model	Age	0.00	0.00	21.68	52.61	0.00	0.00	0.000	0.000	effect SD 0.0	model	Age	0.00	0.00	21.68	52.62	0.00	0.00	0.000	0.000	effect SD	0.
Base	SBP (z-score)	0.00	0.00	0.99	145.20	0.00	0.00	0.323	0.967		Base	DBP (z-score)	0.00	0.00	0.22	97.83	0.00	0.00	0.830	0.978		
ď	Female sex Height	0.00	0.00	-0.31 1.82	208.96 195.50	0.00	0.00	0.758 0.071	0.758		ď	Female sex Height	0.00	0.00	-0.28 1.90	209.22 183.75	0.00	0.00	0.780	0.780		
	Age * SBP (z-score)	0.00	0.00	-1.03	182.36	0.00	0.00	0.307	0.080			Age * DBP (z-score)	0.00	0.00	-0.29	112.34	0.00	0.00	0.059	0.000		
	(= 000.0)			Fixed eff	ects					Model info					Fixed effe	ects					Model	
	Predictor	Beta	SE	Statistic	Df	LCI	UCI	P _{unadjusted}	P _{FDR}	AIC -54514.5		Predictor	Beta		Statistic	Df	LCI	UCI	P _{unadjusted}	P_{FDR}	AIC -	54513.
ē	(Intercept)	0.50	0.01	78.68 21.72	163.06 52.64	0.48	0.51	0.000	0.000	Random	ē	(Intercept)	0.50	0.01	79.04 21.72	151.93 52.62	0.48	0.51	0.000	0.000	Random	
model	Age SBP (z-score)	0.00	0.00	1.09	140.92	0.00	0.00	0.000	0.000	effect SD 0.0	model	Age DBP (z-score)	0.00	0.00	0.29	96.51	0.00	0.00	0.000	0.000	effect SD	0.
Φ.	Female sex	0.00	0.00	-0.37	212.23	0.00	0.00	0.712	0.738		adjusted	Female sex	0.00	0.00	-0.34	211.36	0.00	0.00	0.735	0.762		
e e	Height			1.44	185.21	0.00	0.00	0.153	0.165		gipi	Height	0.00	0.00	1.55	176.40	0.00	0.00	0.124	0.134		
djuste		0.00	0.00					0.060				Non-European ethnicity	0.00	0.00	-1.89	190.97 215.40	0.00	0.00	0.060	0.065		
Illy adjusted	Non-European ethnicity	0.00	0.00	-1.89	199.22	0.00	0.00		0.065		€											
	Non-European ethnicity BMI (z-score)	0.00	0.00	-1.89 -0.04	260.00	0.00	0.00	0.970	0.970		Fully	BMI (z-score)	0.00	0.00	0.14			0.00	0.893	0.893		
	Non-European ethnicity	0.00	0.00	-1.89							Fully 8			0.00 0.00 0.00	1.75 1.12	179.46 153.77	0.00	0.00	0.893 0.082 0.266	0.893 0.092 0.490		
Fully adjuste	Non-European ethnicity BMI (z-score) Parental education	0.00 0.00 0.00	0.00 0.00 0.00	-1.89 -0.04 1.77 1.11 -1.02	260.00 180.97 153.45 181.19	0.00 0.00 0.00 0.00	0.00 0.00 0.00 0.00	0.970 0.078	0.970 0.091		Fully	BMI (z-score) Parental education	0.00	0.00	1.75 1.12 -0.27	179.46 153.77 113.17	0.00 0.00 0.00	0.00 0.00 0.00	0.082	0.092		
	Non-European ethnicity BMI (z-score) Parental education Maternal age	0.00 0.00 0.00 0.00	0.00 0.00 0.00 0.00	-1.89 -0.04 1.77 1.11 -1.02 Global	260.00 180.97 153.45 181.19 mean diffe	0.00 0.00 0.00 0.00	0.00 0.00 0.00 0.00	0.970 0.078 0.267	0.970 0.091 0.459	Madellafe	Fully 8	BMI (z-score) Parental education Maternal age	0.00 0.00 0.00	0.00	1.75 1.12 -0.27 Global	179.46 153.77 113.17 mean diffe	0.00	0.00 0.00 0.00	0.082 0.266	0.092 0.490	Madal	1-4-
	Non-European ethnicity BMI (z-score) Parental education Maternal age Age * SBP (z-score)	0.00 0.00 0.00 0.00 0.00	0.00 0.00 0.00 0.00 0.00	-1.89 -0.04 1.77 1.11 -1.02 Global Fixed eff	260.00 180.97 153.45 181.19 mean differences	0.00 0.00 0.00 0.00 usivity (Mi	0.00 0.00 0.00 0.00	0.970 0.078 0.267 0.310	0.970 0.091 0.459 0.958	Model info	Fully	BMI (z-score) Parental education Maternal age Age * DBP (z-score)	0.00 0.00 0.00 0.00	0.00 0.00 0.00	1.75 1.12 -0.27 Global Fixed effe	179.46 153.77 113.17 mean differences	0.00 0.00 0.00 usivity (MI	0.00 0.00 0.00	0.082 0.266 0.785	0.092 0.490 0.949	Model	
Fully	Non-European ethnicity BMI (z-score) Parental education Maternal age	0.00 0.00 0.00 0.00	0.00 0.00 0.00 0.00	-1.89 -0.04 1.77 1.11 -1.02 Global	260.00 180.97 153.45 181.19 mean diffe	0.00 0.00 0.00 0.00	0.00 0.00 0.00 0.00	0.970 0.078 0.267	0.970 0.091 0.459	AIC -57224.2	Fully	BMI (z-score) Parental education Maternal age	0.00 0.00 0.00	0.00 0.00 0.00	1.75 1.12 -0.27 Global	179.46 153.77 113.17 mean diffe	0.00 0.00 0.00	0.00 0.00 0.00	0.082 0.266	0.092 0.490	AIC .	info 57224.
model Fully	Non-European ethnicity BMI (z-score) Parental education Maternal age Age * SBP (z-score) Predictor (Intercept) Age	0.00 0.00 0.00 0.00 0.00	0.00 0.00 0.00 0.00 0.00	-1.89 -0.04 1.77 1.11 -1.02 Global Fixed eff: Statistic 123.64 -53.06	260.00 180.97 153.45 181.19 mean difficects	0.00 0.00 0.00 0.00 usivity (MI	0.00 0.00 0.00 0.00 D)	0.970 0.078 0.267 0.310 Punadjusted 0.000 0.000	0.970 0.091 0.459 0.958		model Fully	BMI (z-score) Parental education Maternal age Age * DBP (z-score) Predictor	0.00 0.00 0.00 0.00	0.00 0.00 0.00	1.75 1.12 -0.27 Global Fixed efforts	179.46 153.77 113.17 mean diffu ects	0.00 0.00 0.00 usivity (MI	0.00 0.00 0.00 0.00	0.082 0.266 0.785	0.092 0.490 0.949 P _{FDR}		
model Fully	Non-European ethnicity BMI (z-score) Parental education Maternal age Age * SBP (z-score) Predictor (Intercept) Age SBP (z-score)	0.00 0.00 0.00 0.00 0.00 Beta 0.86 -0.01	0.00 0.00 0.00 0.00 0.00 SE 0.01 0.00	-1.89 -0.04 1.77 1.11 -1.02 Global Fixed effe Statistic 123.64 -53.06 -0.15	260.00 180.97 153.45 181.19 mean difficects Df 70.95 72.20 68.63	0.00 0.00 0.00 0.00 usivity (MI LCI 0.85 -0.01	0.00 0.00 0.00 0.00 0.00 D)	0.970 0.078 0.267 0.310 Punadjusted 0.000 0.000 0.885	0.970 0.091 0.459 0.958 P _{FDR} 0.000 0.000 0.967	AIC -57224.2 Random	model Fully	BMI (z-score) Parental education Maternal age Age * DBP (z-score) Predictor (Intercept) Age DBP (z-score)	0.00 0.00 0.00 0.00 Beta 0.86 -0.01	0.00 0.00 0.00 SE 0.01 0.00 0.00	1.75 1.12 -0.27 Global Fixed effe Statistic 124.72 -53.11 -0.23	179.46 153.77 113.17 mean differences Df 65.27 72.47 69.24	0.00 0.00 0.00 usivity (MI LCI 0.85 -0.01 0.00	0.00 0.00 0.00 0.00 0.00 0.88 0.00 0.00	0.082 0.266 0.785 Punadjusted 0.000 0.000 0.817	0.092 0.490 0.949 P _{FDR} 0.000 0.000 0.978	AIC .	
model Fully	Non-European ethnicity BMI (2-score) Parental education Maternal age Age * SBP (2-score) Predictor (Intercept) Age SBP (2-score) Female sex	0.00 0.00 0.00 0.00 0.00 Beta 0.86 -0.01 0.00	0.00 0.00 0.00 0.00 0.00 SE 0.01 0.00 0.00	-1.89 -0.04 1.77 1.11 -1.02 Global Fixed eff: Statistic 123.64 -53.06 -0.15 -6.98	260.00 180.97 153.45 181.19 mean diffiects Df 70.95 72.20 68.63 561.42	0.00 0.00 0.00 0.00 usivity (MI LCI 0.85 -0.01 0.00	0.00 0.00 0.00 0.00 0.00 D)	0.970 0.078 0.267 0.310 Punadjusted 0.000 0.000 0.885 0.000	0.970 0.091 0.459 0.958 P _{FDR} 0.000 0.000 0.967 0.000	AIC -57224.2 Random	Fully	BMI (z-score) Parental education Maternal age Age * DBP (z-score) Predictor (Intercept) Age DBP (z-score) Female sex	0.00 0.00 0.00 0.00 Beta 0.86 -0.01 0.00	0.00 0.00 0.00 0.00 SE 0.01 0.00 0.00	1.75 1.12 -0.27 Global Fixed effe Statistic 124.72 -53.11 -0.23 -6.95	179.46 153.77 113.17 mean differences Df 65.27 72.47 69.24 567.36	0.00 0.00 0.00 usivity (MI LCI 0.85 -0.01 0.00	0.00 0.00 0.00 0.00 0.00 0.00	0.082 0.266 0.785 Punadjusted 0.000 0.000 0.817 0.000	0.092 0.490 0.949 P _{FDR} 0.000 0.000 0.978 0.000	AIC .	
model Fully	Non-European ethnicity BMI (z-score) Parental education Maternal age Age * SBP (z-score) Predictor (Intercept) Age SBP (z-score) Female sex Height	0.00 0.00 0.00 0.00 0.00 Beta 0.86 -0.01	0.00 0.00 0.00 0.00 0.00 SE 0.01 0.00	-1.89 -0.04 1.77 1.11 -1.02 Global Fixed effe Statistic 123.64 -53.06 -0.15	260.00 180.97 153.45 181.19 mean difficects Df 70.95 72.20 68.63	0.00 0.00 0.00 0.00 usivity (MI LCI 0.85 -0.01	0.00 0.00 0.00 0.00 0.00 D)	0.970 0.078 0.267 0.310 Punadjusted 0.000 0.000 0.885	0.970 0.091 0.459 0.958 P _{FDR} 0.000 0.000 0.967	AIC -57224.2 Random	model Fully	BMI (z-score) Parental education Maternal age Age * DBP (z-score) Predictor (Intercept) Age DBP (z-score) Female sex Height	0.00 0.00 0.00 0.00 Beta 0.86 -0.01	0.00 0.00 0.00 SE 0.01 0.00 0.00	1.75 1.12 -0.27 Global Fixed effe Statistic 124.72 -53.11 -0.23	179.46 153.77 113.17 mean differences Df 65.27 72.47 69.24	0.00 0.00 0.00 usivity (MI LCI 0.85 -0.01 0.00	0.00 0.00 0.00 0.00 0.00 0.88 0.00 0.00	0.082 0.266 0.785 Punadjusted 0.000 0.000 0.817	0.092 0.490 0.949 P _{FDR} 0.000 0.000 0.978	AIC .	
model Fully	Non-European ethnicity BMI (2-score) Parental education Maternal age Age * SBP (2-score) Predictor (Intercept) Age SBP (2-score) Female sex	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.86 -0.01 0.00 0.00	0.00 0.00 0.00 0.00 0.00 0.00 SE 0.01 0.00 0.00 0.00	-1.89 -0.04 1.77 1.11 -1.02 Global Fixed eff: 5tatistic 123.64 -53.06 -0.15 -6.98 0.40 -0.05 Fixed eff:	260.00 180.97 153.45 181.19 mean diffi fects Df 70.95 72.20 68.63 561.42 78.46 68.97	0.00 0.00 0.00 0.00 usivity (Mi LCI 0.85 -0.01 0.00 0.00	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	0.970 0.078 0.267 0.310 Punadjusted 0.000 0.000 0.885 0.000 0.690	0.970 0.091 0.459 0.958 0.900 0.000 0.000 0.967 0.000 0.690 0.958	AIC -57224.2 Random	model Fully	BMI (z-score) Parental education Maternal age Age * DBP (z-score) Predictor (Intercept) Age DBP (z-score) Female sex	0.00 0.00 0.00 0.00 0.00 Beta 0.86 -0.01 0.00 0.00	0.00 0.00 0.00 0.00 SE 0.01 0.00 0.00 0.00 0.00	1.75 1.12 -0.27 Global Fixed effi Statistic 124.72 -53.11 -0.23 -6.95 0.27 0.01 Fixed effi	179.46 153.77 113.17 mean diffication ects Df 65.27 72.47 69.24 567.36 70.83 83.81	0.00 0.00 0.00 usivity (Mi LCI 0.85 -0.01 0.00 0.00	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	0.082 0.266 0.785 Punadjusted 0.000 0.000 0.817 0.000 0.787	0.092 0.490 0.949 0.949 0.000 0.000 0.978 0.000 0.787 0.996	AIC - Random effect SD	57224. 0. info
model Fully	Non-European ethnicity BMI(z-score) Parental education Maternal age Age * SBP (z-score) Predictor (Intercept) Age SBP (z-score) Female sex Height Age * SBP (z-score) Predictor	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	-1.89 -0.04 1.77 1.11 -1.02 Global Fixed eff: Statistic 123.64 -53.06 -0.15 -6.98 0.40 -0.05 Fixed eff: Statistic	260.00 180.97 153.45 181.19 mean diffiects Df 70.95 72.20 68.63 561.42 78.46 68.97	0.00 0.00 0.00 0.00 0.00 usivity (MI LCI 0.85 -0.01 0.00 0.00 0.00	0.00 0.00 0.00 0.00 0.00 D) UCI 0.88 0.00 0.00 0.00 0.00	0.970 0.078 0.267 0.310 Punadiasted 0.000 0.000 0.885 0.000 0.958	0.970 0.091 0.459 0.958 0.000 0.000 0.967 0.000 0.690 0.958	AIC -57224.2 Random effect SD 0.0	model Fully	BMI (z-score) Parental education Maternal age Age * DBP (z-score) Predictor (intercept) Age DBP (z-score) Female sex Height Age * DBP (z-score)	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	0.00 0.00 0.00 0.00 0.00 0.01 0.00 0.00	1.75 1.12 -0.27 Global Fixed effs Statistic 124.72 -53.11 -0.23 -6.95 0.27 0.01 Fixed effs Statistic	179.46 153.77 113.17 mean diffi ects Df 65.27 72.47 69.24 567.36 70.83 83.81 ects	0.00 0.00 0.00 usivity (MI LCI 0.85 -0.01 0.00 0.00 0.00	0.00 0.00 0.00 0.00 0.00 0.88 0.00 0.00	0.082 0.266 0.785 Punadjusted 0.000 0.000 0.817 0.000 0.787 0.994	0.092 0.490 0.949 0.949 0.000 0.000 0.978 0.000 0.787 0.996	AIC - Random effect SD	57224. 0.
Base model Fully	Non-European ethnicity BMI (z-score) BMI (z-score) BMI (z-score) BMI (z-score) Age *SBP (z-score) Predictor (intercept) Age SBP (z-score) Female sex Height Age *SBP (z-score) Predictor (intercept) (intercept)	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	-1.89 -0.04 1.77 1.17 -1.02 Global Fixed eff Statistic 123.64 -53.06 -0.15 -6.98 0.40 -0.05 Fixed eff Statistic	260.00 180.97 153.45 181.19 mean diffi- fects Df 70.95 72.20 68.63 561.42 78.46 68.97 ects	0.00 0.00 0.00 0.00 usivity (MI LCI 0.85 -0.01 0.00 0.00 0.00 0.00	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	0.970 0.078 0.267 0.310 Punadjusted 0.000 0.000 0.885 0.000 0.958 Punadjusted	0.970 0.091 0.459 0.958 0.000 0.000 0.967 0.000 0.958 P _{FDR} 0.000	AIC -57224.2 Random effect SD 0.0 Model info AIC -57220.1 Random	Base model	BMI (z-score) Parental education Maternal age Age * DBP (z-score) Predictor (Intercept) Age DBP (z-score) Female sex Height Age * DBP (z-score) Predictor (Intercept) (Intercept)	0.00 0.00 0.00 0.00 0.00 0.86 -0.01 0.00 0.00 0.00 0.00	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	1.75 1.12 -0.27 Global Fixed effe Statistic -0.23 -6.95 0.27 0.01 Fixed effe Statistic 124.94	179.46 153.77 113.17 mean diffi ects Df 65.27 72.47 69.24 567.36 70.83 83.81 ects Df 86.35	0.00 0.00 0.00 usivity (MI LCI 0.85 -0.01 0.00 0.00 0.00 0.00	0.00 0.00 0.00 0.00 0.00 0.88 0.00 0.00	0.082 0.266 0.785 Punadjusted 0.000 0.000 0.817 0.000 0.787 0.994 Punadjusted	0.092 0.490 0.949 0.000 0.000 0.978 0.000 0.787 0.996	Random effect SD Model AIC - Random	57224. 0. info
Base model Fully	Non-European ethnicity BM (z-score) Parental education Maternal age Age "SBP (z-score) Predictor (intercept) Age SBP (z-score) Female sex Height Age "SBP (z-score) Predictor (intercept) Age	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	0.00 0.00 0.00 0.00 0.00 0.00 SE 0.01 0.00 0.00 0.00 0.00 0.00	-1.89 -0.04 1.77 1.11 -1.02 Global Fixed eff. Statistic 123.64 -53.06 -0.15 -6.98 0.40 -0.05 Fixed eff. Statistic 123.70 -53.10	260.00 180.97 153.45 181.19 mean diffi ects Df 70.95 72.20 68.63 561.42 78.46 68.97 ects Df	0.00 0.00 0.00 0.00 0.00 0.00 0.85 -0.01 0.00 0.00 0.00 0.00	0.00 0.00 0.00 0.00 D)	0.970 0.078 0.267 0.310 Puradjusted 0.000 0.000 0.885 0.000 0.690 0.958 Puradjusted 0.000 0.000	0.970 0.091 0.459 0.958 P _{FDR} 0.000 0.000 0.690 0.958 P _{FDR} 0.000 0.000	AIC -57224.2 Random effect SD 0.0 Model info AIC -57220.1	Base model	BMI (z-score) Parental education Maternal age Age * DBP (z-score) Predictor (Intercept) Age DBP (z-score) Female sex Height Age * DBP (z-score) Predictor (Intercept) Age Age * DBP (z-score)	0.00 0.00 0.00 0.00 0.00 0.86 -0.01 0.00 0.00 0.00 0.00	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	1.75 1.12 -0.27 Global Fixed effe Statistic 124.72 -53.11 -0.23 -6.95 0.27 0.01 Fixed effe Statistic 124.94 -53.14	179.46 153.77 113.17 mean diffiects Df 65.27 72.47 69.24 567.36 70.83 83.81 ects Df 86.35 72.65	0.00 0.00 0.00 usivity (MI LCI 0.85 -0.01 0.00 0.00 0.00 0.00 0.00	0.00 0.00 0.00 0.00 0.00 0.88 0.00 0.00	0.082 0.266 0.785 Punadjusted 0.000 0.000 0.817 0.000 0.787 0.994 Punadjusted 0.000 0.000	0.092 0.490 0.949 0.000 0.000 0.978 0.000 0.787 0.996 P _{FDR} 0.000 0.000	AIC - Random effect SD Model AIC -	57224. 0. info
model Base model Fully	Non-European ethnicity BMI (z-score) BMI (z-score) BMI (z-score) BMI (z-score) Age *SBP (z-score) Predictor (intercept) Age SBP (z-score) Female sex Height Age *SBP (z-score) Predictor (intercept) (intercept)	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	-1.89 -0.04 1.77 1.17 -1.02 Global Fixed eff Statistic 123.64 -53.06 -0.15 -6.98 0.40 -0.05 Fixed eff Statistic	260.00 180.97 153.45 181.19 mean diffi- fects Df 70.95 72.20 68.63 561.42 78.46 68.97 ects	0.00 0.00 0.00 0.00 usivity (MI LCI 0.85 -0.01 0.00 0.00 0.00 0.00	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	0.970 0.078 0.267 0.310 Punadjusted 0.000 0.000 0.885 0.000 0.958 Punadjusted	0.970 0.091 0.459 0.958 0.000 0.000 0.967 0.000 0.958 P _{FDR} 0.000	AIC -57224.2 Random effect SD 0.0 Model info AIC -57220.1 Random	Base model	BMI (z-score) Parental education Maternal age Age * DBP (z-score) Predictor (Intercept) Age DBP (z-score) Female sex Height Age * DBP (z-score) Predictor (Intercept) (Intercept)	0.00 0.00 0.00 0.00 0.00 0.86 -0.01 0.00 0.00 0.00 0.00	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	1.75 1.12 -0.27 Global Fixed effe Statistic -0.23 -6.95 0.27 0.01 Fixed effe Statistic 124.94	179.46 153.77 113.17 mean diffi ects Df 65.27 72.47 69.24 567.36 70.83 83.81 ects Df 86.35	0.00 0.00 0.00 usivity (MI LCI 0.85 -0.01 0.00 0.00 0.00 0.00	0.00 0.00 0.00 0.00 0.00 0.88 0.00 0.00	0.082 0.266 0.785 Punadjusted 0.000 0.000 0.817 0.000 0.787 0.994 Punadjusted	0.092 0.490 0.949 0.000 0.000 0.978 0.000 0.787 0.996	Random effect SD Model AIC - Random	57224. 0. info
model Base model Fully	Non-European ethnicity BMI (z-score) Parental education Maternal age Age * SBP (z-score) Predictor (Intercept) Age SBP (z-score) Predictor (Intercept) (Intercept) Age * SBP (z-score) Predictor (Intercept) Age * SBP (z-score) Female sex Height Age * SBP (z-score)	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	-1.89 -0.04 1.77 1.11 -1.02 Global Fixed eff Statistic 123.64 -53.06 -0.15 -6.98 0.40 -0.05 Fixed eff Statistic 123.70 -53.10 -0.10 -7.03	260.00 180.97 153.45 181.19 mean diffiects Df 70.95 72.20 68.63 561.42 78.46 68.97 ects Df 88.90 72.43 72.84 577.49 83.55	0.00 0.00 0.00 0.00 0.00 usivity (MI 0.85 -0.01 0.00 0.00 0.00 0.00 0.00 0.00 0.0	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	0.970 0.078 0.267 0.310 Punsipated 0.000 0.000 0.885 0.000 0.958 Punsipated 0.000 0.000 0.958	0.970 0.091 0.459 0.958 0.000 0.000 0.967 0.000 0.958 P _{FDR} 0.000 0.000 0.000 0.000 0.000 0.000	AIC -57224.2 Random effect SD 0.0 Model info AIC -57220.1 Random	Base model	BMI (z-score) Parental education Maternal age Age * DBP (z-score) Predictor (Intercept) Age DBP (z-score) Female sex Height Age * DBP (z-score) Predictor (Intercept) Age * DBP (z-score) Female sex Height Height	0.00 0.00 0.00 0.00 0.00 Beta 0.86 -0.01 0.00 0.00 0.00 0.00 0.00 0.00 0.0	SE 0.01 0.00 0.00 SE 0.01 0.00 0.00 0.00 0.00 0.00 0.00 0.0	1.75 1.12 -0.27 Global Fixed eff: Statistic 124.72 -53.11 -0.23 -6.95 0.27 0.27 0.17 Fixed eff: Statistic 124.94 -53.14 -0.22 -7.00 0.49	179.46 153.77 113.17 mean diffiects Df 65.27 72.47 567.36 70.83 83.81 ects Df 86.35 72.65 69.30 578.34 81.67	0.00 0.00 0.00 usivity (MI 0.85 -0.01 0.00 0.00 0.00 0.00 0.00 0.00 0.0	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	0.082 0.266 0.785 Punadjusted 0.000 0.000 0.787 0.994 Punadjusted 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000	0.092 0.490 0.949 0.000 0.000 0.978 0.000 0.787 0.996 P _{FDR} 0.000 0.000 0.978	Random effect SD Model AIC - Random	57224. 0. info
adjusted model Base model Fully	Non-European ethnicity BM (z-score) Parental education Maternal age Age "SBP (z-score) Predictor (intercept) Age SBP (z-score) Female sex Height Age *SBP (z-score) Predictor (intercept) Age BP (z-score) Predictor (intercept) Age Height Non-European ethnicity	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	-1.89 -0.04 1.77 1.11 -1.02 Global Fixed eff: Statistic 123.64 -53.06 -0.15 -6.98 0.40 -0.05 Fixed eff: Statistic 123.70 -53.10 -0.10 -7.03 0.55	260.00 180.97 153.45 181.19 mean diffiects Df 70.95 72.20 68.63 561.42 78.46 68.97 ects Df 88.90 72.43 72.84 577.49 83.55 260.20	0.00 0.00 0.00 0.00 0.00 0.00 usivity (Mi 0.85 -0.01 0.00 0.00 0.00 0.00 0.00 0.00 0.0	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	0.970 0.078 0.267 0.310 Punskjusted 0.000 0.000 0.885 0.000 0.958 Punskjusted 0.000 0.000 0.925 0.000 0.925 0.000 0.585 0.784	0.970 0.091 0.459 0.958 P _{FDR} 0.000 0.9067 0.000 0.958 P _{FDR} 0.000 0.000 0.967 0.000 0.967 0.000	AIC -57224.2 Random effect SD 0.0 Model info AIC -57220.1 Random	adjusted model Base model Fully	BMI (z-score) Parental education Maternal age Age * DBP (z-score) Predictor (Intercept) Age DBP (z-score) Female sex Height Age * DBP (z-score) Predictor (Intercept) Age DBP (z-score) Predictor (Intercept) Female sex Height Non-European ethnicity	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	SE 0.01 0.00 0.00 0.00 0.00 0.00 0.00 0.0	1.75 1.12 -0.27 Global Fixed effo Statilistic 124.72 -53.11 -0.23 -6.95 0.27 0.01 Fixed effo Statilistic 124.94 -0.22 -7.00 0.49 0.30	179.46 153.77 113.17 mean diffiects Df 65.27 69.24 567.36 72.47 69.24 567.36 72.65 69.30 578.34 81.67 251.80	0.00 0.00 0.00 usivity (MI LCI 0.85 -0.01 0.00 0.00 0.00 0.00 0.00 0.00 0.0	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	0.082 0.266 0.785 Punadjusted 0.000 0.000 0.817 0.000 0.707 0.994 Punadjusted 0.000 0.000 0.824 0.000 0.628 0.628 0.763	0.092 0.490 0.949 0.000 0.000 0.000 0.787 0.996 0.000 0.000 0.978 0.000 0.000 0.978 0.000 0.000	Random effect SD Model AIC - Random	57224. 0. info
adjusted model Base model Fully	Non-European ethnicity BMI (z-score) Parental education Maternal age Age * SBP (z-score) Predictor (intercept) Age SBP (z-score) Fernale sex Height Age * SBP (z-score) Predictor (intercept) Age SBP (z-score) Predictor Height Non-European ethnicity BMI (z-score) BMI (z-score)	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	-1.89 -0.04 1.77 1.11 -1.02 Global Fixed eff. Statistic 123.64 -53.06 -0.15 -6.98 0.40 -0.05 Fixed eff. Statistic 123.70 -53.10 -7.03 0.55 0.28	260.00 180.97 153.45 181.19 mean diffi ects Df 70.95 72.20 68.63 561.42 78.46 68.97 ects Df 88.90 72.43 72.84 577.49 83.55 260.20	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	UCI 0.88 0.00 0.00 0.00 0.00 0.00 0.00 0.0	0.970 0.078 0.267 0.310 Punadistied 0.000 0.000 0.885 0.000 0.958 Pinadjusted 0.000 0.000 0.955 0.000 0.925 0.000 0.925 0.000 0.925 0.000 0.925 0.000	0.970 0.091 0.459 0.958 P _{FDR} 0.000 0.967 0.000 0.958 P _{FDR} 0.000 0.967 0.000 0.967 0.000 0.967	AIC -57224.2 Random effect SD 0.0 Model info AIC -57220.1 Random	Base model	BMI (z-score) Parental education Maternal age Age 'DBP (z-score) Predictor (Intercept) Age DBP (z-score) Female sex Height Age 'DBP (z-score) (Intercept) Age 'DBP (z-score) Female sex Height Age 'DBP (z-score) Height Nape BP (z-score) Female sex Height Non-European ethnicity BMI (z-score)	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	SE 0.01 0.00 0.00 0.00 0.00 0.00 0.00 0.0	1.75 1.12 -0.27 Global Fixed effo Statistic 124.72 -53.11 -0.23 -6.95 0.27 0.01 Fixed effo Statistic 124.94 -53.14 -0.22 -7.00 0.49 0.30 -0.79	179.46 153.77 113.17 mean diffi ects Df 65.27 72.47 69.24 567.36 70.83 83.81 ects Df 86.35 72.65 69.30 578.34 81.67 251.80 98.05	0.00 0.00 0.00 usivity (MI LCI 0.85 -0.01 0.00 0.00 0.00 0.00 0.00 0.00 0.0	UCI 0.88 0.00 0.00 0.00 0.00 0.00 0.00 0.0	0.082 0.266 0.785 0.000 0.000 0.817 0.000 0.787 0.994 Punsdjusted 0.000	0.092 0.490 0.949 0.000 0.000 0.978 0.000 0.787 0.996 P _{FDR} 0.000 0.0978 0.000 0.978 0.000 0.651 0.763 0.566	Random effect SD Model AIC - Random	57224. 0. info
Fully	Non-European ethnicity BM (z-score) Parental education Maternal age Age "SBP (z-score) Predictor (intercept) Age SBP (z-score) Female sex Height Age *SBP (z-score) Predictor (intercept) Age BP (z-score) Predictor (intercept) Age Height Non-European ethnicity	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	-1.89 -0.04 1.77 1.11 -1.02 Global Fixed eff: Statistic 123.64 -53.06 -0.15 -6.98 0.40 -0.05 Fixed eff: Statistic 123.70 -53.10 -0.10 -7.03 0.55	260.00 180.97 153.45 181.19 mean diffiects Df 70.95 72.20 68.63 561.42 78.46 68.97 ects Df 88.90 72.43 72.84 577.49 83.55 260.20	0.00 0.00 0.00 0.00 0.00 0.00 usivity (Mi 0.85 -0.01 0.00 0.00 0.00 0.00 0.00 0.00 0.0	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	0.970 0.078 0.267 0.310 Punskjusted 0.000 0.000 0.885 0.000 0.958 Punskjusted 0.000 0.000 0.925 0.000 0.925 0.000 0.585 0.784	0.970 0.091 0.459 0.958 P _{FDR} 0.000 0.9067 0.000 0.958 P _{FDR} 0.000 0.000 0.967 0.000 0.967 0.000	AIC -57224.2 Random effect SD 0.0 Model info AIC -57220.1 Random	adjusted model Base model Fully	BMI (z-score) Parental education Maternal age Age * DBP (z-score) Predictor (Intercept) Age DBP (z-score) Female sex Height Age * DBP (z-score) Predictor (Intercept) Age DBP (z-score) Predictor (Intercept) Female sex Height Non-European ethnicity	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	SE 0.01 0.00 0.00 0.00 0.00 0.00 0.00 0.0	1.75 1.12 -0.27 Global Fixed effo Statilistic 124.72 -53.11 -0.23 -6.95 0.27 0.01 Fixed effo Statilistic 124.94 -0.22 -7.00 0.49 0.30	179.46 153.77 113.17 mean diffiects Df 65.27 69.24 567.36 72.47 69.24 567.36 72.65 69.30 578.34 81.67 251.80	0.00 0.00 0.00 usivity (MI LCI 0.85 -0.01 0.00 0.00 0.00 0.00 0.00 0.00 0.0	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	0.082 0.266 0.785 Punadjusted 0.000 0.000 0.817 0.000 0.707 0.994 Punadjusted 0.000 0.000 0.824 0.000 0.628 0.628 0.763	0.092 0.490 0.949 0.000 0.000 0.000 0.787 0.996 0.000 0.000 0.978 0.000 0.000 0.978 0.000 0.000	Random effect SD Model AIC - Random	57224. 0. info
adjusted model Base model Fully	Non-European ethnicity BMI (z-score) Parental education Maternal age Age SBP (z-score) Predictor (Intercept) Age SBP (z-score) Female sex Height Age *SBP (z-score) Predictor (Intercept) Age SBP (z-score) Predictor (Intercept) Age SBP (z-score) Predictor (Intercept) BBI (z-score) Female sex Height Non-European ethnicity BMI (z-score) Parental education	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	-1.89 -0.04 1.77 1.11 -1.02 Global Fixed eff. Statistic 123.64 -53.06 -0.15 -6.98 0.40 -0.05 Fixed eff. Statistic 123.70 -53.10 -0.10 -7.03 0.55 0.28 -0.88	260.00 180.97 153.45 181.19 mean diffi- fects Df 70.95 72.20 68.63 561.42 78.46 68.97 rects Df 88.90 72.43 72.84 577.49 83.55 260.20 106.53 185.92	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	0.970 0.078 0.267 0.310 Puraduated 0.000 0.000 0.690 0.958 Puraduated 0.000 0.000 0.958 0.000 0.000 0.958	0.970 0.091 0.459 0.958 0.000 0.000 0.967 0.000 0.958 P _{FDR} 0.000 0.967 0.000 0.967 0.000 0.607 0.784 0.581 0.958	AIC .57224.2 Random effect SD 0.0 Model info AIC .57220.1 Random effect SD 0.0	adjusted model Base model Fully	BMI (z-score) Parental education Maternal age Age * DBP (z-score) Predictor (Intercept) Age DBP (z-score) Female sex Height Age * DBP (z-score) Predictor (Intercept) Age * DBP (z-score) Predictor Female sex Height Non-European ethnicity BMI (z-score) Parental education	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	SE 0.01 0.00 0.00 0.00 0.00 0.00 0.00 0.0	1.75 1.12 -0.27 Global Fixed effs Statistic 124.72 -53.11 -0.23 -6.95 0.27 0.01 Fixed effs Statistic 124.94 -53.14 -0.22 -7.00 0.49 0.30 -0.79 0.03	179.46 153.77 113.17 mean diffiects Df 65.27 72.47 69.24 567.36 70.83 83.81 ects Df 86.35 72.65 69.30 578.34 81.67 251.80 98.05 192.22	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	UCI 0.88 0.00 0.00 0.00 0.00 0.00 0.00 0.0	0.082 0.266 0.785 Punadjusted 0.000 0.000 0.817 0.000 0.787 0.994 Punadjusted 0.000 0.000 0.824 0.000 0.628 0.763	0.092 0.490 0.949 0.000 0.000 0.787 0.996 0.000 0.000 0.000 0.000 0.978 0.000 0.651 0.506 0.506 0.979	Random effect SD Model AIC - Random	57224. 0. info

Table S5 - Linear mixed model results (without age interaction)

Freedoctor	SE S 9 30.94 2 0.34 2 1.57 2 2.69 9 0.22 SE S 0 32.19 3 0.34 6 1.58 7 2.66	Fixed eff Statistic 28.41 20.76 0.20 -25.67	Df 141.25	lume (TBV					
Predictor Bata SE Statistic Dr LCI UCI P_remisser Proc. ACC 12(037.6)	SE S 9 30.94 2 0.34 2 1.57 2 2.69 9 0.22 SE S 0 32.19 3 0.34 6 1.58 7 2.66	Statistic 28.41 20.76 0.20 -25.67	Df 141.25	LCI				Model	Info
Particle Particle	9 30.94 2 0.34 2 1.57 2 2.69 9 0.22 SE SE SD 32.19 3 0.34 6 1.58 7 2.66	28.41 20.76 0.20 -25.67	141.25		UCI	Punadiusted	P _{FDR}		121042.0
Barrier Free Control Fixed and President Fixed Fixed	2 1.57 2 2.69 9 0.22 SE S 0 32.19 3 0.34 6 1.58 7 2.66	0.20 -25.67		817.63	939.95	0.000	0.000	Random	21042.0
Fernale sex	2 2.69 9 0.22 SE S 0 32.19 3 0.34 6 1.58 7 2.66	-25.67	48.97	6.34	7.70	0.000	0.000	effect SD	79.0
Height 194 0.21 94.5 22.05 1.53 2.34 0.000 0.000 0.000 Pardon 1.99 Predictor 1.9	9 0.22 SE S 0 32.19 3 0.34 6 1.58 7 2.66		94.67 267.57	-2.80 -74 43	3.43 -63.82	0.841	0.987		
Predictor Beta SE Statistic Df Cc Cc Paradiated Prize Acc 1,997 SE Predictor Beta SE Statistic Df Cc Cc Paradiated Prize Acc 1,997 SE Predictor Beta SE Statistic Df Cc Cc Paradiated Prize Acc 1,997 SE Predictor Beta SE Statistic Df Cc Cc Paradiated Prize Acc 1,997 SE Predictor Beta SE Statistic Df Cc Cc Paradiated Prize Acc 1,997 SE Predictor Beta SE Statistic Df Cc Cc Paradiated Prize Acc 1,997 SE Predictor Beta SE Statistic Df Cc Cc Paradiated Prize Acc 1,997 SE Predictor Beta SE Statistic Df Cc Cc Paradiated Prize Acc 1,997 SE Predictor Beta SE Statistic Df Cc Cc Paradiated Prize Acc 1,997 SE Predictor Beta SE Statistic Df Cc Cc Paradiated Prize Acc 1,997 SE Predictor Beta SE Statistic Df Cc Cc Paradiated Prize Acc 1,997 SE Predictor Beta SE Statistic Df Cc Cc Paradiated Prize Acc 1,997 SE Predictor Beta SE Statistic Df Cc Cc Paradiated Prize Acc 1,997 SE Predictor Beta SE Statistic Df Cc Cc Cc Paradiated Prize Acc 1,997 SE Predictor Beta SE Statistic Df Cc Cc Cc Paradiated Prize Acc 1,997 SE Predictor Beta SE Statistic Df Cc Cc Paradiated Prize Acc 1,997 SE Predictor Beta SE Statistic Df Cc Cc Paradiated Prize Acc 1,997 SE Prize SE Prize Acc 1,997 SE Prize SE Prize Acc 1,997	SE S 0 32.19 3 0.34 6 1.58 7 2.66	9.24	152.01	1.56	2.41	0.000	0.000		
Barriage Company Com	32.19 3 0.34 6 1.58 7 2.66	Fixed eff						Model	info
Percelator	3 0.34 6 1.58 7 2.66	Statistic	Df	LCI	UCI	Punadjusted	P _{FDR}		120876.2
Book Composition Composi	6 1.58 7 2.66	27.59	152.57 49.29	824.60 6.35	951.80 7.71	0.000	0.000	Random effect SD	77.6
Book Continue		0.35	87.74	-2.59	3.71	0.725	0.987	ellect OD	11.0
Book Continue	0.21	-26.10	261.08	-74.60	-64.13	0.000	0.000		
Parental education 2.74 0.89 3.96 13.2 0.02 1.37 4.11 0.000 0.000		7.94 -7.42	187.09 198.45	1.27 -29.28	2.10 -16.98	0.000	0.000		
Parental education 2.74 0.69 3.96 13.202 1.37 4.11 0.000 0.000		3.16	236.77	1.63	7.00	0.000	0.000		
Predictor Beta SE Statistic Df LCl UCl Pressured Press Acc 110967-6, and Press Predictor Beta SE Statistic Df LCl UCl Press Acc 110967-6, and Press Acc Ac		4.02	132.76	1.41	4.14	0.000	0.000		
Predictor Beta SE Statistic Di Ci UCI President	9 0.27	1.83	342.56	-0.04	1.02	0.067	0.235		
Predictor Beta SE Statistic Df LC UC President		Grey I		lume (GM	V)			Model	info
Predictor Defa De		Statistic	Df	LCI	UCI	Puradjusted	P _{FDR}		110972.3
Material gas	5 18.83	32.94	115.42	583.14	657.75	0.000	0.000	Random	. 301 2.0
Height 1.08 1.08 24.35 172.13 43.78 37.21 0.000 0.000 0.000 1.00		-3.03 0.26	68.01 120.70	-1.00	-0.21	0.003	0.004	effect SD	45.7
Height 1.08 0.12 8.64 169.56 0.33 1.32 0.000 0.000 0.000 Information Property Productor Beta SE Statistic Df LCI UCI Predictor Predictor Beta Productor Predictor Beta Predictor Beta Predictor Beta SE Statistic Df LCI UCI Predictor Predictor Beta Predictor Be		-24.44	120.70 165.26	-1.52 -44.15	1.98 -37.55	0.797	0.987		
Predictor Beta SE Statistic Df LC UC Predictor Programme Programme AiC 110761.3 Total Programme Programme AiC 110761.3 Total AiC AiC 110761.3 Total AiC 110761.3		8.35	111.29	0.85	1.37	0.000	0.000		
		Fixed eff						Model	
Parellel education 1.8 0.9 0.2 0.2 2.9 7.8 8.4 0.9 0.19 0.004 0.005		Statistic 31 29	Df 111.88	LCI 581.64	UCI 660.30	P _{unadjusted}	P _{FDR}		110769.1
Book Companies 189 0.90 2.10 9.68 0.10 3.67 0.008 0.164 1.65 1		-2.97	68.45	-0.99	-0.19	0.000	0.000	Random effect SD	44.7
Non-European ethnicity		0.28	116.24	-1.50	1.99	0.780	0.987	CITCOL OD	
Non-European ethnicity		-24.89	159.15	-44.27	-37.76	0.000	0.000		
Parental education 1.78 0.42 4.28 113.97 0.96 2.00 0.000 0.000 0.000		6.99 -7.81	106.79 158.45	0.68 -18.42	1.21 -10.98	0.000	0.000		
Parental education 1.78		2.32	218.62	0.28	3.46	0.000	0.000		
		4.34	114.52	0.98	2.63	0.000	0.000		
Fixed effects		2.19	210.16	0.04	0.69	0.029	0.210		
Random R		Fixed eff		anisotropy	(FA)			Model	info
Min Cascore 0.00		Statistic	Df	LCI	UCI	Puradjusted	P _{FDR}	AIC -	-54500.2
MIT (z-score)		83.66 21.65	146.01 52.46	0.49	0.51	0.000	0.000	Random	
Female sex		0.66	125.93	0.00	0.00	0.508	0.000	effect SD	0.0
Predictor Beta SE Statistic Dr LC UC Predictor Progr. AIC -54514.2 The predictor Beta SE Statistic Dr LC UC Predictor Progr. AIC -54514.2 The predictor Beta SE Statistic Dr LC UC Predictor Progr. AIC -54514.2 The predictor Beta SE Statistic Dr LC UC Predictor Progr. AIC -54514.2 The predictor SE The predi		-0.37	232.79	0.00	0.00	0.713	0.713		
Predictor Beta SE Statistic Df LCI UCI Prediction Prop. AIC -54514.2 Fredictor Beta SE Statistic Df LCI UCI Prediction Prop. AIC -54514.2 Fredictor Beta SE Statistic Df CI SE SE Statistic Df CI SE SE SE SE SE SE SE S		1.90	139.81	0.00	0.00	0.060	0.067		
		Fixed eff Statistic	nects Df	LCI	UCI	Р	P _{FDR}	Model AIC -	-54514.8
Model Info Maternal age 0.00 0.00 0.04 2896.53 0.00 0.00 0.677 0.6777 0.6777		77.07	132.03	0.48	0.51	0.000	0.000	Random	04014.0
Model Info Maternal age 0.00 0.00 0.04 2896.53 0.00 0.00 0.677 0.6777 0.6777		21.69	52.53	0.00	0.00	0.000	0.000	effect SD	0.0
Non-European ethnicity		-0.59	133.14 236.11	0.00	0.00	0.555	0.987		
Non-European ethnicity		-0.39 1.57	236.11 143.56	0.00	0.00	0.699	0.713		
Parental education 0.00 0.00 1.74 168.00 0.00 0.00 0.08 0.097		-1.91	197.73	0.00	0.00	0.057	0.061		
Maternal age 0.00 0.00 1.11 151.05 0.00 0.00 0.269 0.449		0.24	258.07	0.00	0.00	0.812	0.812		
Coloba mean diffusivity (MD) Fixed effects Fixed effects		1.74 1.11	175.69 150.96	0.00	0.00	0.084	0.090 0.461		
Predictor Beta SE Statistic Df LCI UCI P _{Description} P _{DSC} A.R.Cl. -3725.7	0.00			fusivity (M		0.200	0.401		
		Fixed eff Statistic				P	_	Model	
MT (z-score)		122.61	Df 62.98	LCI 0.85	UCI 0.88	P _{unadjusted} 0.000	P _{FDR} 0.000		-57225.8
Female sex 0.00 0.00 -6.94 613.33 0.00 0.00 0.000 0.000 0.000 Female sex 0.00 Height 0.00 0.00 0.12 73.33 0.00 0.00 0.902 0.902 Height 0.00 Height 0.00		-53.03	72.14	-0.01	0.00	0.000	0.000	Random effect SD	0.0
Female sex 0.00 0.00 -6.94 613.33 0.00 0.00 0.000 0.000 0.000 Female sex 0.00 Height 0.00 0.00 0.12 73.33 0.00 0.00 0.902 0.902 Height 0.00 Height 0.00		-0.96	151.29	0.00	0.00	0.340	0.987		
Fixed effects Model info		-6.95 0.11	618.93	0.00	0.00	0.000	0.000		
Predictor Rata SE Statistic Df LCL LICL D. D. ALC France Developer Rate		Fixed eff	67.86 fects	0.00	0.00	0.915	0.915	Model	info
		Statistic	Df	LCI	UCI	P _{unadjusted}	P _{FDR}	_	-57222.5
g		123.32	82.72	0.85	0.88	0.000	0.000	Random	
\$\begin{array}{ c c c c c c c c c c c c c c c c c c c		-53.06 -1.09	72.30 159.97	-0.01	0.00	0.000	0.000	effect SD	0.0
MT (z-score) 0.00 0.00 1.01 212.25 0.00 0.00 0.315 0.349		-6.98	610.09	0.00	0.00	0.000	0.000		
	0.00	0.35	77.48	0.00	0.00	0.727	0.754		
Non-European ethnicity		0.31	257.37	0.00	0.00	0.759	0.759		
BMI (z-score) 0.00 0.00 -0.90 99.05 0.00 0.00 0.373 0.435 E BMI (z-score) 0.00 Parental education 0.00 0.00 194.58 0.00 0.00 0.959 0.959 Parental education 0.00		-1.01 0.09	103.42 193.07	0.00	0.00	0.314	0.400 0.927		
Maternal age 0.00 0.00 -1.00 325.43 0.00 0.00 0.321 0.449 Fraintina education 0.00 Maternal age 0.00 0.00 -1.00 325.43 0.00 0.00 0.321 0.449		-1.00	321.07	0.00	0.00	0.319	0.461		
* SE= standard error; Df = degrees of freedom; LCI = lower limit of the 95% confidence interval; UCI = upper limit of the 95% confidence interval; UCI = upper limit of the 95% confidence interval; AICI = Akaike inform	0.00	rian. Dan	nd. effect \$	SD = rand	dom effect	standard	deviation	;	

Table S5 - Linear mixed model results (without age interaction) (cont'd)

Part					SYSTOLIC	BLOOD P	RESSURE	(SBP)								DIASTOLIC	BLOOD	RESSUR	(DBP)				
Profession Sept.					Total	l brain vol										Tota	l brain vol						
Part				0.5											0.5			1.01			,	Model	
## Professor 1.6	le de											del								P _{unadjusted}			121027.4
Francisco 46.6 2.70 2.54 2.56 5.56 7.34 4.32 2.50 0.00 0.00																						Random effect SD	78.9
Francisco 46.6 2.70 2.54 2.56 5.56 7.36 4.35 2.55 0.00 0.00	Sase	SBP (z-score)	-3.58	1.39	-2.57	252.05	-6.32	-0.83	0.011	0.049		Base	DBP (z-score)	-4.48	1.37	-3.27	222.81	-7.17	-1.78	0.001	0.009		
Production Pro												1											
Productor Dela Siz Sizolate Col Col Col Productor Proc. According		Height	2.11	0.21			1.69	2.53	0.000	0.000	Model info		Height	2.02	0.21			1.61	2.42	0.000	0.000	Model	Linfo
Processor 195 at 22 fe 273 at 171 2 12 28 28 20 0.00 0.	1	Predictor	Beta	SE			LCI	UCI	Punadisted	P _{FDR}			Predictor	Beta	SE			LCI	UCI	Punadiusted	P _{FDR}		120868.0
## Care Production 1.5	- Fe	(Intercept)	875.98				812.74	939.22	0.000	0.000		le l	(Intercept)	887.91	31.59			825.55		0.000	0.000	Random	
## Fronties of Age Age											effect SD 77.5	m 0										effect SD	77.5
Productor Prod	sted											sted											
Participar Par	adjn					2-10.00	14.02	00.00				adjn				20.00	200.02						
Particular content	É											Alln											
Machemal age	Œ											Œ											
Predictor Dest Component evolution (GMV) Predictor Dest																							
Production Beta SE Statistic Dt Lot Lot Dt Parameter Param		material age	0.40	0.27					0.007	0.200			material age	0.40	U.L.					0.070	0.270		
Presidence Pre																						Model	
Second Column C	del								unadusted			leb					ъ.			 unadjusted 			110953.3
SBP (rescore) 269 085 03.77 194.05 4.38 -1.01 0.000 0.000																						Random effect SD	45.6
Fernale sex	ase		-2.69				-4.36	-1.01	0.002	0.028	40./	ase				-3.73	225.25	-4.59	-1.41		0.000	CHECK OD	40.0
Predictor Boles Set Statistic Dr Col UC1 Presistant Pres Model info AC Intercept 12 col 19 col	ш											120	Female sex										
President Pres	\vdash	Height	1.21	0.13			0.94	1.47	0.000	0.000	Model info	\vdash	Height	1.13	0.13			0.88	1.38	0.000	0.000	Model	Linfo
Maternal age	1 }	Predictor	Beta	SE			LCI	UCI	Punadisted	P _{FDR}			Predictor	Beta	SE			LCI	UCI	Pupadiusted	P _{EDR}		110759.1
SSP [-secore)	le le					122.13	573.48	651.72				lel					125.05	582.19				Random	110700.1
SSP [-secore)	ομ											шoc										effect SD	44.6
Record 14.74 18.7 7.87 18.34 -11.04 0.000 0.00	sted											ted											
Record 1-4,74 187 7.87 163.45 -110.40 0.000 0.	adjns											sujpe											
Parental education 1.75																							
Maternal age	ď											Œ											
Clobal Fractional anisotropy (FA) Fredeficts Fried effects Fried effec																							
Predictor Beta SE Statistic Df CI UCI P _{containter} P _{cont} AC 5-449(3)		waterra age	0.50	0.17					0.023	0.200			waterrial age	0.55	0.17					0.000	0.232		
Predictor 0.50 0.01 8.6.76 18.1.15 0.49 0.51 0.000 0																						Model	
SBP (z-score) 0.00 0.00 - 1.01 1 798 S 0.00 0.00 0.912 0.948 SBP (z-score) 0.00 0.00 - 0.01 1 798 S 0.00 0.00 0.00 0.912 0.948 SBP (z-score) 0.00 0.00 0.00 - 0.21 0.948 S 0.00 0.00 0.00 0.913 0.948 SBP (z-score) 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.	-B									P _{FDR}		del								- uraditation	P _{FDR}		-54499.5
SBF (z-score) 0.00 0.00 0.11 17983 0.00 0.00 0.1759 0.759		(Random effect SD	0.0
Female sex		ODD (=)		0.00				0.00	0.912	0.946		8	DRP (7-score)				139.77	0.00		0.704			
Predictor Beta SE Statistic Df Cl UCl P _{rankhandel} P _{FOR} AC -54514.5	Bas			0.00								m											
Predictor Beta SE Statistic Df LC UC P _{rostation} P _{rost} AC 54514.5	Bas	Female sex	0.00	0.00	-0.31	209.05	0.00	0.00				Be	Female sex					0.00	0.00	0.781	0.781		
Random Program of the Composition Progr	Bas	Female sex	0.00	0.00	-0.31 1.81	209.05 194.25	0.00	0.00			Model info	Be	Female sex			1.90	183.93	0.00	0.00	0.781	0.781	Model	linfo
SBP (z-score) 0.00 0.00 0.56 199.84 0.00 0.00 0.775 0.654 Female sex 0.00 0.00 0.04 199.84 0.00 0.00 0.775 0.785 Ron-European ethnicity 0.00 0.00 0.14 138.85 0.00 0.00 0.055 0.167 Ron-European ethnicity 0.00 0.00 1.18 138.85 0.00 0.00 0.054 Parental education 0.00 0.00 1.12 153.07 0.00 0.00 0.073 0.785 Ron-European ethnicity 0.00 0.00 1.15 176.56 0.00 0.00 0.00 Ron-European ethnicity 0.00 0.00 1.15 177.7 180.85 0.00 0.00 0.075 0.458 Ron-European ethnicity 0.00 0.00 1.15 177.7 180.85 0.00 0.00 0.075 Ron-European ethnicity 0.00 0.00 0.00 1.15 177.7 180.85 0.00 0.00 0.075 Ron-European ethnicity 0.00 0.00 0.00 1.15 177.7 180.85 0.00 0.00 0.00 Ron-European ethnicity 0.00 0.00 0.00 1.15 177.7 180.85 0.00 0.00 0.00 Ron-European ethnicity 0.00 0.00 0.00 0.00 0.00 0.00 0.00 Ron-European ethnicity 0.00 0.00 0.00 0.00 0.00 0.00 0.00 Ron-European ethnicity 0.00 0.00 0.00 0.00 0.00 0.00 0.00 Ron-European ethnicity 0.00 0.00 0.00 0.00 0.00 0.00 0.00 Ron-European ethnicity 0.00 0.00 0.00 0.00 0.00 0.00 0.00 Ron-European ethnicity 0.00 0.00 0.00 0.00 0.00 0.00 Ron-European ethnicity 0.00 0.00 0.00 0.00 0.00 0.00 0.00 Ron-European ethnicity 0.00 0.00 0.00 0.00 0.00 0.00 Ron-European ethnicity 0.00 0.00 0.00 0.00 0.00 0.00 0.00 Ron-European ethnicity 0.00 0.00 0.00 0.00 0.00 0.00 0.00 Ron-European ethnicity 0.00 0.00 0.00 0.00 0.00 0.00 0.00 Ron-European ethnicity 0.00 0.00 0.00 0.00 0.00 0.00 0.00	Bas	Female sex Height	0.00	0.00 0.00 0.00	-0.31 1.81 Fixed eff	209.05 194.25 fects	0.00	0.00	0.072	0.081		Be	Female sex Height	0.00	0.00	1.90 Fixed eff	183.93 fects	0.00	0.00	0.781 0.059	0.781 0.066	Model AIC	I info -54514.3
Female sex		Female sex Height Predictor (Intercept)	0.00 0.00 Beta 0.50	0.00 0.00 0.00 SE 0.01	-0.31 1.81 Fixed eff Statistic 78.66	209.05 194.25 fects Df 162.87	0.00 0.00 LCI 0.48	0.00 0.00 UCI 0.51	0.072 P _{unadjusted} 0.000	0.081 P _{FDR} 0.000	AIC -54514.5 Random		Female sex Height Predictor (Intercept)	0.00 Beta 0.50	0.00 SE 0.01	1.90 Fixed eff Statistic 79.06	183.93 fects Df 152.16	0.00 0.00 LCI 0.48	0.00 0.00 UCI 0.51	0.781 0.059 P _{unadjusted} 0.000	0.781 0.066 P _{FDR} 0.000	AIC .	-54514.3
April Control Contro	model	Female sex Height Predictor (Intercept) Age	0.00 0.00 Beta 0.50 0.00	0.00 0.00 0.00 0.00 SE 0.01 0.00	-0.31 1.81 Fixed eff Statistic 78.66 21.72	209.05 194.25 fects Df 162.87 52.60	0.00 0.00 LCI 0.48 0.00	0.00 0.00 UCI 0.51 0.00	0.072 P _{unadjusted} 0.000 0.000	0.081 P _{FDR} 0.000 0.000	AIC -54514.5 Random	model	Female sex Height Predictor (Intercept) Age	0.00 Beta 0.50 0.00	0.00 SE 0.01 0.00	1.90 Fixed eff Statistic 79.06 21.72	183.93 fects Df 152.16 52.63	0.00 0.00 LCI 0.48 0.00	0.00 0.00 UCI 0.51 0.00	0.781 0.059 Punadjusted 0.000 0.000	0.781 0.066 P _{FDR} 0.000 0.000	AIC .	
Parental education 0.00 0.00 1.77 180.85 0.00 0.00 0.078 0.091	model	Predictor (Intercept) Age SBP (z-score)	0.00 0.00 Beta 0.50 0.00	0.00 0.00 0.00 0.00 SE 0.01 0.00 0.00	-0.31 1.81 Fixed eff Statistic 78.66 21.72 0.56	209.05 194.25 fects Df 162.87 52.60 199.84	0.00 0.00 LCI 0.48 0.00 0.00	0.00 0.00 UCI 0.51 0.00 0.00	0.072 P _{unadjusted} 0.000 0.000 0.575	0.081 P _{FDR} 0.000 0.000 0.654	AIC -54514.5 Random	model	Predictor (Intercept) Age DBP (z-score)	0.00 Beta 0.50 0.00 0.00	0.00 SE 0.01 0.00 0.00	1.90 Fixed eff Statistic 79.06 21.72 0.13	183.93 fects Df 152.16 52.63 130.62	0.00 0.00 LCI 0.48 0.00 0.00	0.00 0.00 UCI 0.51 0.00 0.00	0.781 0.059 P _{unadjusted} 0.000 0.000 0.901	0.781 0.066 P _{FDR} 0.000 0.000 0.934	AIC .	-54514.3
Parental education 0.00 0.00 1.77 190.85 0.00 0.00 0.07 0.091	adjusted model	Female sex Height Predictor (Intercept) Age SBP (z-score) Female sex	0.00 0.00 Beta 0.50 0.00 0.00 0.00	0.00 0.00 0.00 0.00 SE 0.01 0.00 0.00 0.00	-0.31 1.81 Fixed eff Statistic 78.66 21.72 0.56 -0.37 1.43	209.05 194.25 fects Df 162.87 52.60 199.84 212.34 183.85	0.00 0.00 0.00 LCI 0.48 0.00 0.00 0.00	0.00 0.00 0.00 UCI 0.51 0.00 0.00 0.00	0.072 P _{unadjusted} 0.000 0.000 0.575 0.712 0.155	0.081 P _{FDR} 0.000 0.000 0.654 0.738 0.167	AIC -54514.5 Random	adjusted model	Predictor (Intercept) Age DBP (z-score) Female sex	0.00 Beta 0.50 0.00 0.00 0.00 0.00	0.00 SE 0.01 0.00 0.00 0.00 0.00	1.90 Fixed eff Statistic 79.06 21.72 0.13 -0.34	183.93 fects Df 152.16 52.63 130.62 211.54 176.56	0.00 0.00 0.00 LCI 0.48 0.00 0.00 0.00 0.00	0.00 0.00 0.00 UCI 0.51 0.00 0.00 0.00	0.781 0.059 Punadjusted 0.000 0.000 0.901 0.736 0.124	0.781 0.066 P _{FDR} 0.000 0.000 0.934 0.763 0.134	AIC .	-54514.3
Matemal age 0.00 0.00 1.12 153.07 0.00 0.00 0.267 0.458	adjusted model	Female sex Height Predictor (Intercept) Age SBP (z-score) Female sex Height Non-European ethnicity	0.00 0.00 0.00 Beta 0.50 0.00 0.00 0.00 0.00	0.00 0.00 0.00 0.00 SE 0.01 0.00 0.00 0.00 0.00	-0.31 1.81 Fixed eff Statistic 78.66 21.72 0.56 -0.37 1.43 -1.90	209.05 194.25 fects Df 162.87 52.60 199.84 212.34 183.85 199.94	0.00 0.00 0.00 LCI 0.48 0.00 0.00 0.00 0.00	0.00 0.00 UCI 0.51 0.00 0.00 0.00 0.00	0.072 Punadjusted 0.000 0.000 0.575 0.712 0.155 0.059	0.081 P _{FDR} 0.000 0.000 0.654 0.738 0.167 0.064	AIC -54514.5 Random	adjusted model	Female sex Height Predictor (Intercept) Age DBP (z-score) Female sex Height	0.00 Beta 0.50 0.00 0.00 0.00 0.00 0.00 0.00	0.00 SE 0.01 0.00 0.00 0.00 0.00 0.00	1.90 Fixed eff Statistic 79.06 21.72 0.13 -0.34 1.55 -1.89	183.93 fects Df 152.16 52.63 130.62 211.54 176.56 191.17	0.00 0.00 0.00 LCI 0.48 0.00 0.00 0.00 0.00	0.00 0.00 0.00 0.51 0.00 0.00 0.00 0.00	0.781 0.059 P _{unadjusted} 0.000 0.000 0.901 0.736 0.124 0.060	0.781 0.066 P _{FDR} 0.000 0.000 0.934 0.763 0.134 0.065	AIC .	-54514.3
Fixed effects Fixed effect	adjusted model	Female sex Height Predictor (Intercept) Age SBP (z-score) Female sex Height Non-European ethnicity BMI (z-score)	0.00 0.00 0.00 Beta 0.50 0.00 0.00 0.00 0.00 0.00	0.00 0.00 0.00 0.00 SE 0.01 0.00 0.00 0.00 0.00 0.00	-0.31 1.81 Fixed eff Statistic 78.66 21.72 0.56 -0.37 1.43 -1.90 -0.03	209.05 194.25 fects Df 162.87 52.60 199.84 212.34 183.85 199.94 259.89	0.00 0.00 0.00 LCI 0.48 0.00 0.00 0.00 0.00 0.00	0.00 0.00 0.00 0.51 0.00 0.00 0.00 0.00	0.072 Punadjusted 0.000 0.000 0.575 0.712 0.155 0.059 0.973	0.081 P _{FDR} 0.000 0.000 0.654 0.738 0.167 0.064 0.973	AIC -54514.5 Random	adjusted model	Female sex Height Predictor (Intercept) Age DBP (z-score) Female sex Height Non-European ethnicity BMI (z-score)	0.00 Beta 0.50 0.00 0.00 0.00 0.00 0.00 0.00 0.0	0.00 SE 0.01 0.00 0.00 0.00 0.00 0.00 0.00	1.90 Fixed eff Statistic 79.06 21.72 0.13 -0.34 1.55 -1.89 0.13	183.93 fects Df 152.16 52.63 130.62 211.54 176.56 191.17 215.97	0.00 0.00 0.00 LCI 0.48 0.00 0.00 0.00 0.00 0.00	0.00 0.00 0.00 0.51 0.00 0.00 0.00 0.00	0.781 0.059 P _{unadjusted} 0.000 0.000 0.901 0.736 0.124 0.060 0.893	0.781 0.066 P _{FDR} 0.000 0.000 0.934 0.763 0.134 0.065 0.893	AIC .	-54514.3
Predictor Beta SE Statistic Df LC UC Predictor Beta SE Statistic Df LC UC Predictor Set	adjusted model	Female sex Height Predictor (Intercept) Age SBP (z-score) Female sex Height Non-European ethnicity BMI (z-score) Parental education	0.00 0.00 0.00 Beta 0.50 0.00 0.00 0.00 0.00 0.00 0.00	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	-0.31 1.81 Fixed eff Statistic 78.66 21.72 0.56 -0.37 1.43 -1.90 -0.03 1.77	209.05 194.25 fects Df 162.87 52.60 199.84 212.34 183.85 199.94 259.89 180.85	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	0.00 0.00 0.00 0.51 0.00 0.00 0.00 0.00	0.072 Punadjusted 0.000 0.000 0.575 0.712 0.155 0.059 0.973 0.078	0.081 P _{FDR} 0.000 0.000 0.654 0.738 0.167 0.064 0.973 0.091	AIC -54514.5 Random	adjusted model	Female sex Height Predictor (Intercept) Age DBP (z-score) Female sex Height Non-European ethnicity BMI (z-score) Parental education	0.00 Beta 0.50 0.00 0.00 0.00 0.00 0.00 0.00 0.0	0.00 SE 0.01 0.00 0.00 0.00 0.00 0.00 0.00 0.0	1.90 Fixed eff Statistic 79.06 21.72 0.13 -0.34 1.55 -1.89 0.13 1.75	183.93 fects Df 152.16 52.63 130.62 211.54 176.56 191.17 215.97 179.33	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	0.00 0.00 0.00 0.51 0.00 0.00 0.00 0.00	0.781 0.059 Punadjusted 0.000 0.000 0.901 0.736 0.124 0.060 0.893 0.082	0.781 0.066 P _{FDR} 0.000 0.000 0.934 0.763 0.134 0.065 0.893 0.092	AIC .	-54514.3
Registration Regi	adjusted model	Female sex Height Predictor (Intercept) Age SBP (z-score) Female sex Height Non-European ethnicity BMI (z-score) Parental education	0.00 0.00 0.00 Beta 0.50 0.00 0.00 0.00 0.00 0.00 0.00	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	-0.31 1.81 Fixed eff Statistic 78.66 21.72 0.56 -0.37 1.43 -1.90 -0.03 1.77 1.12 Global	209.05 194.25 fects Df 162.87 52.60 199.84 212.34 183.85 199.94 180.85 153.07	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	0.00 0.00 0.00 0.51 0.00 0.00 0.00 0.00	0.072 Punadjusted 0.000 0.000 0.575 0.712 0.155 0.059 0.973 0.078	0.081 P _{FDR} 0.000 0.000 0.654 0.738 0.167 0.064 0.973 0.091	AIC -54514.5 Random effect SD 0.0	adjusted model	Female sex Height Predictor (Intercept) Age DBP (z-score) Female sex Height Non-European ethnicity BMI (z-score) Parental education	0.00 Beta 0.50 0.00 0.00 0.00 0.00 0.00 0.00 0.0	0.00 SE 0.01 0.00 0.00 0.00 0.00 0.00 0.00 0.0	1.90 Fixed eff Statistic 79.06 21.72 0.13 -0.34 1.55 -1.89 0.13 1.75 1.12 Global	183.93 fects Df 152.16 52.63 130.62 211.54 176.56 191.17 215.97 179.33 152.92 mean diff	0.00 0.00 0.00 0.00 0.48 0.00 0.00 0.00	0.00 0.00 0.00 0.51 0.00 0.00 0.00 0.00	0.781 0.059 Punadjusted 0.000 0.000 0.901 0.736 0.124 0.060 0.893 0.082	0.781 0.066 P _{FDR} 0.000 0.000 0.934 0.763 0.134 0.065 0.893 0.092	AIC . Random effect SD	-54514.3 0.0
SBP (z-score) 0.00 0.00 0.05 2.55 0.00	adjusted model	Female sex Height Predictor (Intercept) Age SBP (z-score) Female sex Height Non-European ethnicity BMI (z-score) Parental education Maternal age	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	-0.31 1.81 Fixed eff 78.66 21.72 0.56 -0.37 1.43 -1.90 -0.03 1.77 1.12 Global	209.05 194.25 fects Df 162.87 52.60 199.84 212.34 183.85 199.94 259.89 180.85 153.07 mean diffects	0.00 0.00 0.00 0.00 0.48 0.00 0.00 0.00	UCI 0.51 0.00 0.00 0.00 0.00 0.00 0.00 0.00	0.072 Punadjusted 0.000 0.000 0.575 0.712 0.155 0.059 0.973 0.078 0.267	0.081 P _{FDR} 0.000 0.000 0.654 0.738 0.167 0.064 0.973 0.091 0.458	AIC -54514.5 Random effect SD 0.0	adjusted model	Female sex Height Predictor (Intercept) Age DBP (z-score) Female sex Height Non-European ethnicity BMI (z-score) Parental education Maternal age	0.00 Beta 0.50 0.00 0.00 0.00 0.00 0.00 0.00 0.0	0.00 SE 0.01 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00	1.90 Fixed eff Statistic 79.06 21.72 0.13 -0.34 1.55 -1.89 0.13 1.75 1.12 Global Fixed eff	183.93 fects Df 152.16 52.63 130.62 211.54 176.56 191.17 215.97 179.33 152.92 mean diffects	0.00 0.00 0.00 0.48 0.00 0.00 0.00 0.00	0.00 0.00 0.00 0.51 0.00 0.00 0.00 0.00	0.781 0.059 Punadjusted 0.000 0.000 0.901 0.736 0.124 0.060 0.893 0.082 0.266	0.781 0.066 P _{FDR} 0.000 0.000 0.934 0.763 0.134 0.065 0.893 0.092 0.489	AIC . Random effect SD	-54514.3 0.0
Female sex 0.00 0.00 0.00 4.98 569.35 0.00 0.00 0.69	Fully adjusted model	Female sex Height Predictor (Intercept) Age SBP (z-score) Female sex Non-European ethnicity BM (z-score) Parental education Maternal age	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	-0.31 1.81 Fixed eff Statistic 78.66 21.72 0.56 -0.37 1.43 -1.90 -0.03 1.77 1.12 Global Fixed eff Statistic	209.05 194.25 fects Df 162.87 52.60 199.84 212.34 183.85 199.94 259.89 180.85 153.07 mean diffects	0.00 0.00 0.00 0.00 0.48 0.00 0.00 0.00	0.00 0.00 0.00 0.51 0.00 0.00 0.00 0.00	0.072 Punadusted 0.000 0.000 0.575 0.712 0.155 0.059 0.973 0.078 0.267	0.081 PFDR 0.000 0.000 0.654 0.738 0.167 0.064 0.973 0.091 0.458	AIC -54514.5 Random effect SD 0.0 Model info AIC -57225.2	Fully adjusted model	Female sex Height Predictor (Intercept) Age DBP (z-score) Female sex Non-European ethnicity BM (z-score) Parental education Maternal age Predictor	0.00 Beta 0.50 0.00 0.00 0.00 0.00 0.00 0.00 0.0	0.00 SE 0.01 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 SE	1.90 Fixed eff Statistic 79.06 21.72 0.13 -0.34 1.55 -1.89 0.13 1.75 1.12 Global Fixed eff Statistic	183.93 fects Df 152.16 52.63 130.62 211.54 176.56 191.17 215.97 179.33 152.92 mean diff fects	0.00 0.00 0.00 0.48 0.00 0.00 0.00 0.00	0.00 0.00 0.00 0.51 0.00 0.00 0.00 0.00	0.781 0.059 Punadjusted 0.000 0.000 0.901 0.736 0.124 0.060 0.893 0.082 0.266	0.781 0.066 P _{FDR} 0.000 0.000 0.934 0.763 0.134 0.065 0.893 0.092 0.489	AIC Random effect SD Model AIC	-54514.3 0.0
Female sex 0.00 0.00 0.00 6.98 599.35 0.00 0.00 0.69	model Fully adjusted model	Female sex Height Predictor (Intercept) Age SBI (2:source) Female sex Height Non-European erthricity BMI (2:source) Parental education Maternal age Predictor (Intercept)	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	-0.31 1.81 Fixed eff 78.66 21.72 0.56 -0.37 1.43 -1.90 -0.03 1.77 1.12 Global Fixed eff Statistic 123.69	209.05 194.25 fects Df 162.87 52.60 199.84 212.34 183.85 199.94 180.85 153.07 mean diffects Df 71.05	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	0.00 0.00 0.00 0.51 0.00 0.00 0.00 0.00	0.072 Punadusted 0.000 0.000 0.575 0.712 0.155 0.059 0.973 0.078 0.267 Punadusted 0.000	0.081 PFDR 0.000 0.000 0.654 0.738 0.167 0.064 0.973 0.091 0.458 PFDR 0.000	AIC -54514.5 Random effect SD 0.0 Model info AIC -57225.2 Random	model Fully adjusted model	Female sex Height Predictor (Intercept) Age DBP (z-score) Female sex Height Non-European ethnicity BMI (z-score) Parental education Maternal age Predictor (Intercept)	0.00 Beta 0.50 0.00 0.00 0.00 0.00 0.00 0.00 0.0	0.00 SE 0.01 0.00 0.00 0.00 0.00 0.00 0.00 0.0	1.90 Fixed eff Statistic 79.06 21.72 0.13 -0.34 1.55 -1.89 0.13 1.75 1.12 Global Fixed eff Statistic	183.93 fects Df 152.16 52.63 130.62 211.54 176.56 191.17 215.97 179.33 152.92 1mean diff fects	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	0.00 0.00 0.00 0.01 0.51 0.00 0.00 0.00	0.781 0.059 Punadjusted 0.000 0.000 0.901 0.736 0.124 0.060 0.893 0.082 0.266	0.781 0.066 P _{FDR} 0.000 0.000 0.934 0.763 0.134 0.065 0.893 0.092 0.489	AIC . Random effect SD	-54514.3 0.0
Fixed effects Fixed effect	model Fully adjusted model	Female sex Height Predictor (Intercept) Age SBP (z-score) Female sex Height Non-European ethnicity BMI (z-score) Parental education Maternal age Predictor (Intercept) Age SBP (z-score)	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	-0.31 1.81 Fixed eff Statistic 78.66 21.72 0.56 -0.37 1.43 -1.90 -0.03 1.77 1.12 Global Fixed eff Statistic 123.69 -53.06 -0.80	209.05 194.25 fects Df 162.87 52.60 199.84 212.34 183.85 199.94 259.89 180.85 153.07 Imean diffects Df 71.05 72.26 203.54	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	0.00 0.00 0.00 0.51 0.00 0.00 0.00 0.00	0.072 Punadjusted 0.000 0.000 0.575 0.712 0.155 0.059 0.973 0.078 0.267 Punadjusted 0.000 0.000 0.424	0.081 P _{FDR} 0.000 0.000 0.654 0.738 0.167 0.064 0.973 0.091 0.458 P _{FDR} 0.000 0.594	AIC -54514.5 Random effect SD 0.0 Model info AIC -57225.2 Random	model Fully adjusted model	Female sex Height Predictor (Intercept) Age DBP (z-score) Female sex Height Non-European ethnicity BMI (z-score) Parental education Maternal age Predictor (Intercept) Age DBP (z-score)	0.00 Beta 0.50 0.00 0.00 0.00 0.00 0.00 0.00 0.0	0.00 SE 0.01 0.00 0.00 0.00 0.00 0.00 0.00 0.0	1.90 Fixed eff Statistic 79.06 21.72 0.13 -0.34 1.55 -1.89 0.13 1.75 1.12 Global Fixed eff Statistic 124.76 -53.04 -0.89	183.93 Fects Df 152.16 52.63 130.62 211.54 176.56 191.17 215.97 179.93 152.92 I mean diff fects Df 65.35 72.16 120.88	0.00 0.00 0.00 0.48 0.00 0.00 0.00 0.00	0.00 0.00 0.00 0.51 0.51 0.00 0.00 0.00	0.781 0.059 Punadjusted 0.000 0.000 0.901 0.736 0.124 0.060 0.893 0.082 0.266 Punadjusted 0.000 0.000	0.781 0.066 P _{FDR} 0.000 0.934 0.763 0.134 0.065 0.893 0.092 0.489 P _{FDR} 0.000 0.000	Random effect SD Model AIC Random	-54514.3 0.0 linfo -57225.8
Registration 1,000	model Fully adjusted model	Fernale sex Height Predictor (intercept) Age SBP (2-score) Fernale sex Height Height Hon-European ethnicity BMI (2-score) Parental education Maternal age Predictor (intercept) Age SBP (2-score) Fernale sex	Beta 0.50 0.00 0.00 0.00 0.00 0.00 0.00 0.0	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	-0.31 1.81 Fixed eff Statistic 78.66 21.72 0.56 -0.37 1.43 -1.90 -0.03 1.77 1.12 Global Fixed eff Statistic 123.69 -53.06 -0.80 -6.98	209.05 194.25 fects Df 162.87 52.60 199.84 212.34 183.85 199.94 259.89 180.85 153.07 mean diff fects Df 71.05 72.26 203.54 559.35	0.00 0.00 0.00 0.48 0.00 0.00 0.00 0.00	UCI 0.88 0.00 UCI 0.51 0.00 0.00 0.00 0.00 0.00 0.00 0.00	0.072 Punadusted 0.000 0.575 0.712 0.155 0.973 0.078 0.267 Punadusted 0.000 0.000 0.000 0.424 0.000	0.081 P _{FDR} 0.000 0.000 0.654 0.738 0.167 0.064 0.973 0.091 0.458 P _{FDR} 0.000 0.594 0.000	AIC -54514.5 Random effect SD 0.0 Model info AIC -57225.2 Random	model Fully adjusted model	Female sex Height Predictor (Intercept) Age DBP (2-score) Female sex Non-European ethnicity BM (2-score) Parental education Maternal age Predictor (Intercept) Age DBP (2-score) Female sex	0.00 Beta 0.50 0.00 0.00 0.00 0.00 0.00 0.00 0.0	0.00 SE 0.01 0.00 0.00 0.00 0.00 0.00 0.00 SE 0.01 0.00 0.00 0.00 0.00 0.00 0.00	1.90 Fixed eff Statistic 79.06 21.72 0.13 -0.34 1.55 -1.89 0.13 1.75 1.12 Global Fixed eff Statistic 124.76 -53.04 -0.89 -6.95	183.93 fects Df 152.16 52.63 130.62 211.54 176.56 191.17 215.97 179.33 152.92 mean diff fects Df 65.35 72.16 120.88 565.32	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	0.781 0.059 Pundusted 0.000 0.000 0.901 0.736 0.124 0.060 0.893 0.082 0.266 Pundusted 0.000 0.000 0.378	0.781 0.066 P _{FDR} 0.000 0.000 0.934 0.763 0.134 0.065 0.893 0.092 0.489 P _{FDR} 0.000 0.000	Random effect SD Model AIC Random	-54514.3 0.0 linfo -57225.8
Random R	model Fully adjusted model	Fernale sex Height Predictor (intercept) Age SBP (2-score) Fernale sex Height Height Hon-European ethnicity BMI (2-score) Parental education Maternal age Predictor (intercept) Age SBP (2-score) Fernale sex	Beta 0.50 0.00 0.00 0.00 0.00 0.00 0.00 0.0	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	-0.31 1.81 Fixed eff Statistic 78.66 21.72 0.56 -0.37 1.43 -1.90 -0.03 1.77 1.12 Global Fixed eff Statistic 123.69 -53.06 -0.80 -6.98 0.40	209.05 194.25 fects Df 162.87 52.60 199.84 212.34 183.85 199.94 259.89 180.85 153.07 mean diff fects Df 71.05 72.26 203.54 559.35 78.63	0.00 0.00 0.00 0.48 0.00 0.00 0.00 0.00	UCI 0.88 0.00 UCI 0.51 0.00 0.00 0.00 0.00 0.00 0.00 0.00	0.072 Punadusted 0.000 0.575 0.712 0.155 0.973 0.078 0.267 Punadusted 0.000 0.000 0.000 0.424 0.000	0.081 P _{FDR} 0.000 0.000 0.654 0.738 0.167 0.064 0.973 0.091 0.458 P _{FDR} 0.000 0.594 0.000	AIC	model Fully adjusted model	Female sex Height Predictor (Intercept) Age DBP (2-score) Female sex Non-European ethnicity BM (2-score) Parental education Maternal age Predictor (Intercept) Age DBP (2-score) Female sex	0.00 Beta 0.50 0.00 0.00 0.00 0.00 0.00 0.00 0.0	0.00 SE 0.01 0.00 0.00 0.00 0.00 0.00 0.00 SE 0.01 0.00 0.00 0.00 0.00 0.00 0.00	1.90 Fixed eff 79.06 21.72 0.13 -0.34 1.55 -1.89 0.13 1.75 1.12 Global Fixed eff Statistic -53.04 -0.89 -6.95 0.27	183.93 fects Df 152.16 52.63 130.62 211.54 176.56 191.17 215.97 179.33 152.92 Imean diff fects Df 65.35 72.16 120.88 565.32 70.91	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	0.781 0.059 Pundusted 0.000 0.000 0.901 0.736 0.124 0.060 0.893 0.082 0.266 Pundusted 0.000 0.000 0.378	0.781 0.066 P _{FDR} 0.000 0.000 0.934 0.763 0.134 0.065 0.893 0.092 0.489 P _{FDR} 0.000 0.000	Random effect SD Model AIC Random	0.0 0.0 1 info -57225.8
SBP (z-score)	model Fully adjusted model	Fernale sex Height Predictor (intercept) Age SBP (2-score) Fernale sex Height Height Age SBP (2-score) Fernale sex Parental education Maternal age Predictor (intercept) Age SBP (2-score) Fernale sex Height	Beta 0.50 0.00 0.00 0.00 0.00 0.00 0.00 0.0	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	-0.31 1.81 1.81 1.81 1.81 1.81 1.86 21.72 0.56 -0.37 1.43 -1.90 -0.03 1.77 1.12 Global Fixed eff Statistic 123.69 -53.06 -0.80 -0.40 1.98 0.40 1.94 1.94 1.95 1.95 1.95 1.95 1.95 1.95 1.95 1.95	209.05 194.25 fects Df 162.87 52.60 199.84 212.34 183.85 199.94 259.89 180.85 153.07 Df 71.05 72.66 203.54 559.35 78.63 fects	0.00 0.00 0.00 LCI 0.48 0.00 0.00 0.00 0.00 0.00 0.00 0.00	UCI UCI 0.51 0.00 0.00 0.00 0.00 0.00 0.00 0.0	Punadusted 0.000 0.000 0.575 0.712 0.155 0.059 0.973 0.078 0.267 Punadusted 0.000 0.000 0.424 0.000 0.690	P _{FDR} 0.081 0.000 0.000 0.654 0.738 0.167 0.064 0.973 0.091 0.458 P _{FDR} 0.000 0.594 0.000 0.690	AIC	model Fully adjusted model	Female sex Height Predictor (Intercept) Age DBP (2-score) Female sex Height Non-European ethnicity BM (2-score) Parental education Maternal age Predictor (Intercept) Age DBP (2-score) Female sex Height	0.00 Beta 0.50 0.00 0.00 0.00 0.00 0.00 0.00 0.0	0.00 SE 0.01 0.00 0.00 0.00 0.00 0.00 0.00 0.0	1.90 Fixed eff Statistic 79.06 21.72 0.13 -0.34 1.55 -1.89 0.13 1.75 1.12 Global Fixed eff Statistic 124.76 -53.04 -0.89 -6.95 0.27 Fixed eff Statistic	183.93 fects Df 152.16 52.63 130.62 211.54 176.56 191.17 215.97 179.33 152.92 Imean diffects Df 65.35 72.16 120.88 565.32 70.91 fects Df	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	0.00 0.00 0.00 0.51 0.00 0.00 0.00 0.00	0.781 0.059 Punadiated 0.000 0.000 0.901 0.736 0.124 0.060 0.893 0.082 0.266 Punadiated 0.000 0.378 0.000 0.378	0.781 0.066 P _{FDR} 0.000 0.934 0.763 0.134 0.065 0.893 0.092 0.489 P _{FDR} 0.000 0.000 0.504 0.000	AIC Random effect SD Model AIC Random effect SD Model AIC Mandom effect SD Model Model Model	0.0 0.0 1 info -57225.8
Female sex 0.00 0.00 -7.03 575.25 0.00 0.00 0.00 0.00 0.00 0.00 0.00	Base model Fully adjusted model	Female sex Height Predictor (intercept) SBP (2-score) Female sex Height Predictor (intercept) Female ducation Age SBP (2-score) Female sex Height Predictor (intercept)	Beta 0.00 0.00 Beta 0.50 0.00 0.00 0.00 0.00 0.00 0.00 0.0	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	-0.31 1.81 Fixed eff Statistic 78.66 21.72 0.56 0-0.37 1.43 1.90 0-0.03 1.77 1.12 Global Fixed eff Statistic -0.80 -6.98 0.40 Fixed eff Statistic 123.69	209.05 194.25 fects Df 162.87 52.60 199.84 212.34 183.85 199.94 259.89 180.85 153.07 mean diffects Df 71.05 72.26 203.54 559.35 78.63 fects Df 89.05	0.00 0.00 LCI 0.48 0.00 0.00 0.00 0.00 0.00 0.00 0.00	UCI 0.88 0.00 0.00 0.00 0.00 0.00 0.00 0.0	0.072 Punadusted 0.000 0.000 0.575 0.712 0.155 0.059 0.973 0.078 0.267 Punadusted 0.000 0.424 0.000 0.690 Punadusted	P _{FDR} 0.081 0.000 0.000 0.654 0.738 0.167 0.064 0.973 0.091 0.458 0.000 0.000 0.594 0.000 0.690	AIC	Base model Fully adjusted model	Female sex Height Predictor (intercept) Age DBP (z-score) Female sex Height Non-European ethnicity BM (z-score) Parental education Maternal age Predictor (intercept) Age DBP (z-score) Female sex Height Predictor	0.00 Beta 0.50 0.00 0.00 0.00 0.00 0.00 0.00 0.0	0.00 SE 0.01 0.00 0.00 0.00 0.00 0.00 0.00 0.0	1.90 Fixed eff Statistic 79.06 21.72 0.13 -0.34 1.55 -1.89 0.13 1.75 1.12 Global Fixed eff Statistic 124.76 0.89 -0.27 Fixed eff Statistic 124.78 Statistic	183.93 fects Df 152.16 52.63 130.62 211.54 176.56 191.17 215.97 179.33 152.92 Imman diffects Df 65.35 72.16 120.88 565.32 70.91 fects Df 665.35	0.00 0.00 LCI 0.48 0.00 0.00 0.00 0.00 0.00 0.00 0.00	UCI 0.88 0.00 0.00 UCI 0.88 0.00	0.781 0.059 Punadjuted 0.000 0.000 0.901 0.736 0.124 0.060 0.893 0.082 0.266 0.000 0.000 0.000 0.000 0.787	0.781 0.066 PFDR 0.000 0.000 0.934 0.763 0.134 0.065 0.893 0.092 0.489 PFDR 0.000 0.504 0.504 0.504 0.787	AIC Random effect SD Model AIC Random effect SD AIC Random effect SD AIC Random AIC Random	-54514.3 0.0 linfo -57225.8 0.0
Non-European ethnicity 0.00 0.00 0.27 260.04 0.00 0.00 0.784 0.784 Non-European ethnicity 0.00 0.00 0.30 252.13 0.00 0.00 0.763 0.763 0.763	model Base model Fully adjusted model	Fenale sex Height Predictor (Intercept) Age SBP(-score) Fenale sex Height Non-European ethnicity BMI (z-sex) Parental education Maternal age Predictor (Intercept) Age SBP (z-score) Fenale sex Height Predictor (Intercept) Age	Beta 0.50 0.00 0.00 0.00 0.00 0.00 0.00 0.0	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	-0.31 1.12 Fixed eff Statistic 78.66 21.72 0.56 -0.37 1.43 -1.90 -0.03 1.71 1.12 Global Fixed eff Statistic 123.69 -53.06 -0.80 -6.98 0.40 Fixed eff Statistic 123.75 -53.17	209.05 194.25 Fects Df 162.87 52.60 199.84 212.34 183.85 199.94 259.89 180.85 153.07 mean diffication Fects Df 71.05 72.26 203.54 559.35 78.63 Fects Df 89.85	U.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00	UCI 0.88 0.00 0.00 0.00 0.00 0.00 0.00 0.0	0.072 Punadizated 0.000 0.000 0.575 0.752 0.155 0.059 0.973 0.078 0.267 Punadizated 0.000 0.424 0.000 0.424 0.000 0.690 Punadizated 0.000 0.690 0.690 0.000	P _{FDR} 0.000 0.000 0.654 0.738 0.167 0.064 0.973 0.091 0.458 P _{FDR} 0.000 0.000 0.690 P _{FDR} 0.000 0.000	AIC	model Base model Fully adjusted model	Female sex Height Predictor (Intercept) Age DBP (z-score) Female sex Height Non-European ethnicity BMI (z-score) Parental education Maternal age Predictor (Intercept) Age DBP (z-score) Female sex Height Predictor (Intercept) Age	0.00 Beta 0.50 0.00 0.00 0.00 0.00 0.00 0.00 0.0	SE 0.01 0.00 0.00 0.00 0.00 0.00 0.00 0.0	1.90 Fixed eff Statistic 79.06 21.72 0.13 -0.34 1.55 -1.89 0.13 1.75 1.12 Globals Fixed eff Statistic 124.76 -53.04 -0.89 -6.95 0.27 Fixed eff Statistic 124.97 -53.08	183.93 fects Df 152.16 52.63 130.62 211.54 176.56 191.17 215.97 179.33 152.92 Df 65.55 72.16 120.88 565.32 70.91 fects Df 86.47 77.2.33	0.00 0.00 0.00 LCI 0.48 0.00 0.00 0.00 0.00 0.00 0.00 0.00	0.00 0.00 0.00 UCI 0.51 0.00 0.00 0.00 0.00 0.00 0.00 0.00	0.781 0.059 Puradisated 0.000 0.000 0.901 0.736 0.124 0.060 0.893 0.082 0.026 0.000 0.378 0.000 0.378 0.000 0.787 0.0000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.0000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.0000 0.000	0.781 0.066 PFDR 0.000 0.000 0.903 0.134 0.065 0.893 0.092 0.489 PFDR 0.000 0.504 0.000 0.787 PFDR 0.000	Model AIC . Random effect SD Model AIC . Random effect SD	0.0 0.0 1 info -57225.8 0.0
Non-European ethnicity 0.00 0.00 0.27 260.04 0.00 0.784 0.784 Non-European ethnicity 0.00 0.00 0.30 252.13 0.00 0.00 0.763 0.763 0.763	model Base model Fully adjusted model	Female sex Height Predictor (Intercept) Age SBP (2-score) Female sex Height Non-European ethnicity BMI (2-score) Parental education Maternal age Predictor (Intercept) Age SBP (2-score) Female sex Height	Beta 0.50 0.00 0.00 0.00 0.00 0.00 0.00 0.0	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	-0.31 1 Fixed eff Statistic 78.66 21.72 0.56 -0.37 1.43 -1.90 -0.03 1.77 1.12 Global Fixed eff Statistic 123.69 -0.80 -0.90 6.98 0.40 Fixed eff Statistic 123.75 -53.11	209.05 194.25 Fects Df 162.87 52.60 199.84 212.34 183.85 199.94 259.89 180.85 153.07 mean diff fects Df 71.05 72.26 203.54 59.35 78.63 Fects Df 89.05 72.49 206.64	LCI 0.85 0.00 0.00 0.00 0.00 0.00 0.00 0.00	UCI 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	0.072 Pundusted 0.000 0.000 0.575 0.712 0.155 0.059 0.973 0.078 0.267 Pundusted 0.000 0.000 0.690 Pundusted 0.000 0.690	P _{FDR} 0.000 0.054 0.738 0.167 0.064 0.973 0.091 0.458 P _{FDR} 0.000 0.594 0.000 0.690 P _{FDR} 0.000 0.000	AIC	model Base model Fully adjusted model	Female sex Height Predictor (Intercept) Age DBF (z-score) Female sex Height Non-European ethnicity BMI (z-score) Parental education Maternal age Predictor (Intercept) Age DBF (z-score) Female sex Height Predictor (Intercept) Age DBP (z-score) Female sex Height Predictor (Intercept) Age DBP (z-score) Female sex Height	0.00 Beta 0.50 0.00 0.00 0.00 0.00 0.00 0.00 0.0	0.00 SE 0.01 0.00 0.00 0.00 0.00 0.00 0.00 0.0	1.90 Fixed eff Statistic 79.06 21.72 0.13 -0.34 1.55 -1.89 0.13 1.75 1.12 Global Fixed eff Statistic 124.76 -53.04 -0.89 -6.95 -0.7 Fixed eff Statistic 124.97 -53.08 -0.84	183.93 fects Df 152.16 52.63 130.62 211.54 176.56 191.17 215.97 179.33 152.92 mean diff fects Df 65.35 72.16 120.88 565.32 70.91 fects Df 86.47 72.33 113.80	C.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	0.781 0.059 Punedisated 0.000 0.000 0.901 0.736 0.124 0.060 0.893 0.082 0.266 Punedisated 0.000 0.000 0.378 0.000 0.0787	0.781 0.066 PFDR 0.000 0.000 0.934 0.763 0.134 0.065 0.893 0.092 0.489 PFDR 0.000 0.504 0.000 0.787 PFDR 0.000 0.787	AIC Random effect SD Model AIC Random effect SD AIC Random effect SD AIC Random AIC Random	-54514.3 0.0 linfo -57225.8 0.0
Parental education 0.00 0.00 0.05 185.76 0.00 0.00 0.958 0.958 Parental education 0.00 0.00 0.03 182.00 0.00 0.00 0.979 0.979 Maternal age 0.00 0.00 -1.00 323.22 0.00 0.00 0.317 0.458 Maternal age 0.00 0.00 -1.02 314.71 0.00 0.00 0.307 0.489	model Base model Fully adjusted model	Fernale sex Height Predictor (intercept) Age SBP_2-sex Fernale sex Height Height Ron-European ethnicity BMI (z-sex) Parental education Maternal age Predictor (intercept) Age SBP (z-sexore) Fernale sex	Beta 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	-0.31 1.75 Fixed eff Statistic 78.66 -0.37 1.43 -1.90 -0.03 1.77 1.12 Grade eff Statistic 123.69 -6.30 -6.98 0.40 Fixed eff Statistic 123.75 -53.11 -0.57 -7.03	209.05 194.25 fects Df 162.87 52.60 199.84 212.34 183.85 199.94 259.89 180.85 153.07 mean diff fects Df 71.05 72.26 203.54 599.35 78.63 fects Df 89.05 72.49 206.64 575.25	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	UCI 0.51 0.00 0.00 0.00 0.00 0.00 0.00 0.00	0.072 Punadizated 0.000 0.000 0.575 0.712 0.155 0.059 0.973 0.078 0.267 Punadizated 0.000 0.000 0.424 0.000 0.690 0.690 0.000 0.000 0.000 0.000 0.000	0.081 PFDR 0.000 0.000 0.0504 0.167 0.064 0.973 0.091 0.458 PFDR 0.000 0.000 0.594 0.000 0.000 0.594 0.000 0.000 0.594 0.000 0.000 0.594	AIC	adjusted model Base model Fully adjusted model	Female sex Height Predictor (Intercept) Age DBP (z-score) Female sex Height Non-European ethnicity BM (z-score) Parental education Maternal age Predictor (Intercept) Age DBP (z-score) Female sex Height Predictor (Intercept) Age DBP (z-score) Female sex	0.00 Beta 0.50 0.00 0.00 0.00 0.00 0.00 0.00 0.0	0.00 SE 0.01 0.00 0.00 0.00 0.00 0.00 0.00 0.0	1.90 Fixed eff Statistic 79.06 21.72 0.13 -0.34 1.55 -1.89 0.13 1.75 1.12 Global Fixed eff Statistic 124.76 -53.04 -0.89 -6.95 0.27 Fixed eff Statistic 124.97 -53.08 -0.89	183.93 fects Df 152.16 52.63 130.62 211.54 176.56 191.17 215.97 179.33 152.92 Imaan diff fects Df 65.35 72.16 120.88 565.32 70.91 fects Df 66.47 72.33 113.82	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	0.781 0.059 Punadiasted 0.000 0.000 0.901 0.736 0.062 0.883 0.082 0.266 Punadiasted 0.000 0.378 0.000 0.378 0.000 0.378 0.0000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.00000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.	P _{FDR} 0.000 0.934 0.763 0.134 0.065 0.893 0.092 0.489 P _{FDR} 0.000 0.504 0.000 0.787 P _{FDR} 0.000 0.513	AIC Random effect SD Model AIC Random effect SD AIC Random effect SD AIC Random AIC Random	-54514.3 0.0 linfo -57225.8 0.0
Maternal age 0.00 0.00 -1.00 323.22 0.00 0.00 0.317 0.458 Maternal age 0.00 0.00 -1.02 314.71 0.00 0.00 0.307 0.489	adjusted model Base model Fully adjusted model	Fernale sex Height Predictor (intercept) Age SBP(2-score) Fernale sex Height Non-European ethnicity BMI (2-score) Parental education Maternal age Predictor (intercept) Age SBP (2-score) Fernale sex Height Predictor (intercept) Fernale sex Height Non-European ethnicity Age SBP (2-score) Fernale sex Height Non-European ethnicity	Beta 0.50 0.00 0.00 0.00 0.00 0.00 0.00 0.0	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	-0.31 -1.31 -0.31 -1.32 -0.36 -0.37 -0.37 -0.37 -0.37 -0.37 -0.37 -0.37 -0.37 -0.37 -0.37 -0.38	209.05 194.25 194.25 194.25 194.25 194.25 195.26 199.84 212.34 183.85 199.94 180.85 153.07 170.26 150.20 150	LCI 0.85 -0.01 0.00 0.00 0.00 0.00 0.00 0.00 0.0	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	Punadasted 0.000 0.000 0.000 0.0575 0.712 0.155 0.059 0.973 0.267 Punadasted 0.000 0.000 0.424 0.000 0.000 0.690 Punadasted 0.000 0.000 0.570 0.000 0.570 0.000	0.081 PFDR 0.000 0.000 0.000 0.054 0.738 0.167 0.091 0.458 PFDR 0.000 0.000 0.000 0.594 0.000 0.594 0.000 0.594 0.000 0.594 0.000 0.594 0.000 0.594 0.000 0.594 0.000 0.594	AIC	adjusted model Base model Fully adjusted model	Female sex Height Predictor (Intercept) Age DBP (z-score) Female sex Non-European ethnicity BM (z-score) Parental education Maternal age Predictor (Intercept) Age DBP (z-score) Female sex Height Predictor (Intercept) Age DBP (z-score) Female sex Height Non-European ethnicity Non-European ethnicity Non-European ethnicity	0.00 Beta 0.50 0.00 0.00 0.00 0.00 0.00 0.00 0.0	SE 0.01 0.00 0.00 0.00 0.00 0.00 0.00 0.0	1.90 Fixed eff Statistic 79.06 21.72 0.13 -0.34 1.55 -1.89 0.13 1.75 1.12 Global Fixed eff Statistic 124.76 -0.89 -6.95 0.27 Fixed eff Statistic 124.97 -53.08 -0.94 -0.99 0.49	183.93 fects Df 152.16 52.63 130.62 211.54 176.56 191.17 215.97 179.33 152.92 Imean diffects Df 65.35 72.16 120.88 565.32 70.91 fects Df 86.47 72.33 113.80 576.22 81.74	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	UCI 0.88 0.00 0.00 0.00 0.00 0.00 0.00 0.0	0.781 0.059 Pursilyated 0.000 0.991 0.736 0.000 0.991 0.124 0.060 0.082 0.266 Pursilyated 0.000 0.0736 0.000 0.0737 0.000 0.000 0.787	0.781 0.066 P _{FoR} 0.000 0.034 0.763 0.093 0.134 0.065 0.093 0.093 0.000 0.000 0.504 0.000 0.504 0.000 0.500 0.000 0.500 0.000 0.500 0.000 0.500 0.000 0.500	AIC Random effect SD Model AIC Random effect SD AIC Random effect SD AIC Random AIC Random	-54514.3 0.0 linfo -57225.8 0.0
	adjusted model Base model Fully adjusted model	Female sex Height Predictor (Intercept) Age SBY-cs-score) Female sex Height Non-European ethnicity BMI (z-score) Female sex Height Non-European ethnicity Parental education Maternal age Predictor (Intercept) Age SBP (z-score) Female sex Height Ron-European ethnicity BMI (z-score)	Beta 0.86 0.00 0.00 0.00 0.00 0.00 0.00 0.00	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	-0.31 Fixed eff Statistic 78.66 21.72 0.56 -0.37 1.43 -1.90 -0.03 1.77 1.12 Global Fixed eff Statistic 123.69 -6.80 -6.98 0.40 Fixed eff Statistic 123.75 -53.11 -0.57 -7.03	209.05 194.25 209.05 194.25 209.05 209	C.O.O.O.O.O.O.O.O.O.O.O.O.O.O.O.O.O.O.O	UCI 0.88 0.00 0.00 0.00 0.00 0.00 0.00 0.0	Punadusted 0.000 0.575 0.712 0.155 0.059 0.973 0.267 Punadusted 0.000 0.000 0.000 0.000 0.424 0.000 0.690 Punadusted 0.000 0.570 0.000 0.570 0.000 0.585 0.784 0.499	0.081 PFDR 0.000 0.000 0.000 0.054 0.738 0.167 0.054 0.973 0.091 0.458 PFDR 0.000 0.000 0.000 0.000 0.000 0.0607 0.000	AIC	adjusted model Base model Fully adjusted model	Female sex Height Predictor (Intercept) Age DBF (z-score) Female sex Height Non-European ethnicity BMI (z-score) Parental education Maternal age Predictor (Intercept) Age DBP (z-score) Female sex Height Non-European ethnicity BMI (z-score)	0.00 Beta 0.50 0.00 0.00 0.00 0.00 0.00 0.00 0.0	0.00 SE 0.01 0.00 0.00 0.00 0.00 0.00 0.00 0.0	1.90 Fixed eff Statistic 79.06 21.72 0.13 -0.34 1.55 -1.89 0.13 1.75 1.12 Global Fixed eff Statistic 124.76 -53.04 -0.89 -6.95 0.77 Fixed eff Statistic 124.76 -53.04 -0.89 0.30 -0.94	183.93 Fects Df 152.16 52.63 130.62 211.54 176.56 191.17 215.97 179.93 152.92 Impan diff Fects Df 65.35 72.16 120.88 565.32 70.91 Fects Df 86.47 72.93 113.80 576.22 81.74 252.13 98.13	COLOR OF COL	UCI	0.781 0.059 Poradistive 0.000 0.990 0.124 0.060 0.124 0.060 0.266 0.266 0.000	0.781 0.066 Prox 0.000 0.000 0.394 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.504 0.000 0.504 0.000 0.504 0.000 0.504 0.000 0.504 0.000 0.505 0.505 0.505 0.505 0.505 0.505 0.505	AIC Random effect SD Model AIC Random effect SD AIC Random effect SD AIC Random AIC Random	-54514.3 0.0 linfo -57225.8 0.0
* SE= standard error; Df = degrees of freedom; LCI = lower limit of the 95% confidence interval; UCI = upper limit of the 95% confidence interval; AIC = Akaike information criterion; Rand. effect SD = random effect standard deviation	adjusted model Base model Fully adjusted model	Fernale sex Height Predictor (intercept) Age SBP (2-score) Fernale sex Height Mon-European ethnicity BMI (2-score) Parental education Maternal age Predictor (intercept) Age SBP (2-score) Fernale sex Height Predictor (intercept) Age SBP (2-score) Fernale sex Height Non-European ethnicity Mon-European ethnicity Age SBP (2-score) Fernale sex Height Non-European ethnicity Non-European ethnicity BMI (2-score) Parental education	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	-0.31 1.81 1.81 1.81 1.81 1.81 1.81 1.81 1	209.05 19425 Cects Dr 162.87 52.60 199.84 183.85 199.84 183.85 199.84 183.85 199.84 183.85 199.84 19	LCI	UCI 0.88 0.00 0.00 0.00 0.00 0.00 0.00 0.0	Puncturied 0.000 0.000 0.575 0.712 0.155 0.059 0.267 Puncturied 0.000 0.267 Puncturied 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.575	0.081 Pros 0.000 0.000 0.000 0.054 0.958 0.000 0.654 0.000 0	AIC	adjusted model Base model Fully adjusted model	Female sex Height Predictor (Intercept) Age DBP (z-score) Parental education Maternal age Predictor (Intercept) BM (z-score) Parental education Maternal age Predictor (Intercept) Age DBP (z-score) Female sex Height Predictor (Intercept) Age DBP (z-score) Female sex Height Non-European ethnicity BM (z-score) Pemale sex Height Non-European ethnicity BM (z-score) Parental education	0.00 Beta 0.50 0.00 0.00 0.00 0.00 0.00 0.00 0.0	SE 0.01 0.00 0.00 0.00 0.00 0.00 0.00 0.0	1.90 Fixed eff Statistic 179.06 (21.72 cm.) 1.55 (1.89 cm.) 1.55 (1.89 cm.) 1.75 (1.12 cm.) 1.	183.93 fects Of 162.16 Df 152.16 152.63 130.62 211.54 176.56 191.17 215.97 2	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	0.781 0.059 0.000 0.000 0.000 0.124 0.000 0.286 0.286 0.000 0.286 0.000 0.286 0.000 0.000 0.286 0.000	0.781 0.066 P _{FoR} 0.000 0.934 0.763 0.000 0.934 0.065 0.000 0.920 0.000 0.000 0.000 0.000 0.504 0.000 0.504 0.000 0.504 0.000 0.504 0.000 0.503 0.000 0.503 0.000 0.504 0.000 0.504 0.000 0.504 0.000 0.504 0.000 0.504 0.000 0.504 0.000 0.504 0.000 0.504 0.000 0.504 0.000 0.504 0.000 0.504 0.000 0.504 0.000 0.504 0.000 0.504 0.000 0.504 0.000 0.503 0.000 0.503 0.000	AIC Random effect SD Model AIC Random effect SD AIC Random effect SD AIC Random AIC Random	-54514.3 0.0 linfo -57225.8 0.0

Table S6 - Sex interaction

		CAROTID	INTIMA-	MEDIA TH	ICKNESS	(IMT)							CAROTID	DISTENS	BILITY				
	Predictor	Beta	SE	Statistic		unadjusted	P _{FDR}	LCI	UCI		Predictor	Beta		Statistic		P _{unadjusted}	P _{FDR}	LCI	UCI
				brain volu	, ,									brain volu	me (TBV	"			
	(Intercept)	-2.44	0.47	-5.23	196.3	0.000	0.000	-3.36	-1.52		(Intercept)	-2.49	0.46	-5.41	214.1	0.000	0.000	-3.40	-1.58
=.17)	IMT (z-score)	0.04 -0.76	0.02	1.60	128.3 172.0	0.111	0.222	-0.01 -0.82	-0.70	odel (7	Distensibility (z-score)	0.00 -0.76	0.02	0.17 -25.45	294.9	0.864	0.864	-0.04	-0.70
	Female sex Age	0.00	0.03	-24.81 -0.06	80.3	0.955	0.955	-0.02	0.06	Base model (R ² = .17)	Female sex Age	0.00	0.03	-0.06	80.1	0.950	0.950	-0.82 -0.06	0.06
Base (R²	Height	0.02	0.00	8.75	167.4	0.000	0.000	0.02	0.03	Base (R²	Height	0.02	0.00	8.55	124.4	0.000	0.000	0.02	0.03
	IMT (z-score) * sex	-0.03	0.03	-0.99	278.8	0.325	0.535	-0.09	0.03		Distens. (z-score) * sex	0.00	0.03	0.03	133.4	0.980	0.985	-0.06	0.06
	(Intercept)	-2.51	0.49	-5.15	164.0	0.000	0.000	-3.48	-1.55		(Intercept)	-2.58	0.48	-5.37	178.9	0.000	0.000	-3.53	-1.63
	IMT (z-score)	0.04	0.02	1.70	124.4	0.092	0.222	-0.01	0.08		Distensibility (z-score)	0.01	0.02	0.27	274.4	0.791	0.864	-0.04	0.05
lodel	Female sex Age	-0.76 0.02	0.03	-25.01 0.56	162.9 73.9	0.000 0.579	0.000 0.662	-0.82 -0.04	-0.70 0.08	lodel	Female sex Age	-0.77 0.02	0.03	-25.66 0.55	187.7 73.5	0.000 0.587	0.000 0.671	-0.82 -0.04	-0.71 0.08
n sted n = .19)	Height	0.02	0.00	7.25	175.7	0.000	0.000	0.01	0.02	= .19)	Height	0.02	0.00	7.25	139.2	0.000	0.000	0.01	0.02
Fully adjusted model $(R^2 = .19)$	Non-European ethnicity	-0.27	0.03	-8.69	581.6	0.000	0.000	-0.33	-0.21	Fully adjusted model (R ² = .19)	Non-European ethnicity	-0.26	0.03	-8.68	646.9	0.000	0.000	-0.32	-0.20
e Śllr	BMI (z-score)	0.04	0.02	2.82	192.0	0.005	0.020	0.01	0.07	e Ślir	BMI (z-score)	0.04	0.02	2.91	192.9	0.004	0.016	0.01	0.07
Œ	Parental education	0.04	0.01	2.54	101.1	0.013	0.026	0.01	0.06	Œ.	Parental education	0.04	0.01	2.60	100.9	0.011	0.022	0.01	0.06
	Maternal age	-0.02	0.00	2.21	223.8 271.8	0.028	0.056	0.00	0.01		Maternal age	0.01	0.00	2.20	225.0 123.1	0.029	0.058	0.00	0.01
Щ	IMT (z-score) * sex	-0.02		-0.84 natter volu		0.401	0.535	-0.08	0.03	L	Distens. (z-score) * sex	0.00		0.09		0.932 V)	0.985	-0.06	0.07
	(Intercept)	-1.39	0.44	-3.17	400.1	0.002	0.003	-2.24	-0.53		(Intercept)	-1.45	0.43	-3.34	440.4	0.001	0.002	-2.30	-0.60
- <u>e</u>	IMT (z-score)	0.04	0.02	1.81	130.4	0.073	0.222	0.00	0.09	<u>≅</u> .	Distensibility (z-score)	0.01	0.02	0.22	191.4	0.828	0.864	-0.04	0.05
Base model (R ² = .17)	Female sex	-0.77	0.03	-24.77	156.8	0.000	0.000	-0.83	-0.71	= .17)	Female sex	-0.77	0.03	-24.74	147.5	0.000	0.000	-0.83	-0.71
Base (R²	Age	-0.06	0.03	-2.15	128.5	0.034	0.054	-0.11	0.00	Base (R²	Age	-0.06	0.03	-2.15	129.8	0.033	0.053	-0.11	-0.01
	Height IMT (z-score) * sex	-0.03	0.00	8.02 -1.11	185.3 322.0	0.000	0.000	-0.09	0.02	[Height Distens. (z-score) * sex	0.02	0.00	7.87 -0.05	134.1 291.3	0.000	0.000	0.01 -0.06	0.02
	(Intercept)	-1.59	0.03	-3.36	206.3	0.001	0.002	-2.52	-0.66		(Intercept)	-1.67	0.03	-3.57	224.3	0.000	0.000	-2.59	-0.75
	IMT (z-score)	0.04	0.02	1.94	126.7	0.055	0.222	0.00	0.09		Distensibility (z-score)	0.00	0.02	0.19	164.3	0.850	0.864	-0.04	0.05
 	Female sex	-0.77	0.03	-24.98	145.0	0.000	0.000	-0.83	-0.71	 e	Female sex	-0.77	0.03	-24.97	136.7	0.000	0.000	-0.84	-0.71
Fully adjusted model (R ² = .20)	Age	-0.04	0.03	-1.33	99.0	0.186	0.248	-0.09	0.02	adjusted model (R² = .20)	Age	-0.04	0.03	-1.34	99.5	0.185	0.247	-0.09	0.02
usted r =.20)	Height Non-European ethnicity	0.02 -0.29	0.00	6.48 -8.88	155.5 246.1	0.000	0.000	0.01 -0.35	0.02 -0.23	uster = .2	Height Non-European ethnicity	0.02 -0.29	0.00	6.50 -8.83	124.6 252.8	0.000	0.000	0.01 -0.35	0.02 -0.22
y adji (R²	BMI (z-score)	0.03	0.03	1.87	154.0	0.063	0.000	0.00	0.06	y adji (R²	BMI (z-score)	0.03	0.03	1.95	157.3	0.053	0.106	0.00	0.06
₫	Parental education	0.04	0.01	3.08	144.1	0.002	0.008	0.01	0.07	Fully	Parental education	0.04	0.01	3.16	147.8	0.002	0.008	0.02	0.07
	Maternal age	0.01	0.00	2.63	210.2	0.009	0.036	0.00	0.01		Maternal age	0.01	0.00	2.62	208.9	0.009	0.036	0.00	0.01
Щ	IMT (z-score) * sex	-0.03	0.03	-0.94	315.8	0.349	0.535	-0.08	0.03		Distens. (z-score) * sex	0.00	0.03	0.02	257.6	0.985	0.985	-0.06	0.06
	(Intercept)	-1.45	0.49	-2.96	288.7	0.003	0.003	-2.42	-0.49		(Intercept)	-1.45	0.49	-2.95	277.1	0.003	0.003	-2.42	-0.48
<u></u>	IMT (z-score)	0.02	0.03	0.66	129.2	0.511	0.681	-0.03	0.07	<u></u>	Distensibility (z-score)	0.01	0.03	0.26	111.3	0.794	0.864	-0.04	0.06
e mode < .01)	Female sex	-0.02	0.03	-0.66	231.1	0.511	0.515	-0.09	0.04	- mode <.01)	Female sex	-0.02	0.03	-0.72	203.6	0.474	0.479	-0.09	0.04
Base model (R ² < .01)	Age	0.07	0.03	2.48	342.6	0.014	0.028	0.01	0.12	Base model (R ² < .01)	Age	0.06	0.03	2.39	309.4	0.017	0.034	0.01	0.12
ш.	Height	0.00	0.00	1.62	250.7	0.106	0.170	0.00	0.01	ш.	Height	0.00	0.00	1.64	185.4	0.102	0.163	0.00	0.01
	IMT (z-score) * sex (Intercept)	-0.04 -1.69	0.04	-1.20 -3.26	123.2 231.1	0.234	0.535	-0.11 -2.72	-0.67		Distens. (z-score) * sex (Intercept)	-1.68	0.04	-3.24	82.6 222.8	0.605	0.985	-0.06 -2.71	-0.66
	IMT (z-score)	0.02	0.03	0.67	130.1	0.503	0.681	-0.03	0.07		Distensibility (z-score)	0.01	0.03	0.20	116.0	0.841	0.864	-0.05	0.06
le de	Female sex	-0.02	0.03	-0.65	222.4	0.515	0.515	-0.09	0.04	- Ge	Female sex	-0.02	0.03	-0.71	199.3	0.479	0.479	-0.09	0.04
m (Age	0.07	0.03	2.75	377.0	0.006	0.016	0.02	0.12	g (-	Age	0.07	0.03	2.66	338.4	0.008	0.021	0.02	0.12
usted r = .01)	Height	0.00	0.00	1.36	230.9 231.2	0.174	0.232	0.00	0.01	usted r = .01)	Height	0.00 -0.05	0.00	1.37	186.7 232.7	0.171 0.135	0.228	0.00	0.01
Fully adjusted model (R ² = .01)	Non-European ethnicity BMI (z-score)	-0.05 0.00	0.04	-1.45 -0.03	123.0	0.147 0.980	0.196 0.980	-0.13 -0.04	0.02	Fully adjusted model (R ² = .01)	Non-European ethnicity BMI (z-score)	0.00	0.04	-1.50 0.09	129.4	0.133	0.180 0.927	-0.13 -0.03	0.02
E I	Parental education	0.02	0.02	1.20	119.1	0.232	0.309	-0.04	0.05	E.	Parental education	0.00	0.02	1.20	120.7	0.233	0.327	-0.03	0.05
	Maternal age	0.01	0.00	1.51	185.0	0.133	0.177	0.00	0.01	1	Maternal age	0.01	0.00	1.51	181.0	0.133	0.177	0.00	0.01
	IMT (z-score) * sex	-0.04	0.04	-1.16	126.3	0.250	0.535	-0.11	0.03		Distens. (z-score) * sex	0.02	0.04	0.54	82.3	0.592	0.985	-0.06	0.10
$\overline{}$	(Intercept)	1.63	Global 0.53	mean diffu 3.06	usivity (ME 133.2	0.003	0.003	0.58	2.69		(Intercept)	1.63	Global i	mean diffe 3.01	122.0	0.003	0.003	0.56	2.70
<u></u>	IMT (z-score)	0.01	0.03	0.23	95.6	0.819	0.003	-0.05	0.06	<u></u>	Distensibility (z-score)	-0.01	0.03	-0.24	94.7	0.813	0.864	-0.06	0.05
.01)	Female sex	-0.16	0.03	-5.15	297.0	0.000	0.000	-0.22	-0.10	.01)	Female sex	-0.16	0.03	-5.11	283.8	0.000	0.000	-0.22	-0.10
Base model $(R^2 = .01)$	Age	-0.11	0.03	-3.92	227.6	0.000	0.000	-0.16	-0.05	Base model (R ² = .01)	Age	-0.11	0.03	-3.84	213.4	0.000	0.000	-0.16	-0.05
ω -	Height	0.00	0.00	-0.18	120.7	0.856	0.940	-0.01	0.01	m _	Height	0.00	0.00	-0.21	106.5	0.831	0.950	-0.01	0.01
$\vdash \vdash$	IMT (z-score) * sex (Intercept)	1.59	0.04	0.30 2.94	53.7 157.4	0.764	0.764	-0.07 0.52	0.10 2.66	-	Distens. (z-score) * sex (Intercept)	-0.02 1.58	0.04	-0.56 2.88	103.6 141.0	0.579	0.985	-0.09 0.49	0.05 2.66
	IMT (z-score)	0.01	0.03	0.25	94.7	0.803	0.004	-0.05	0.06	1	Distensibility (z-score)	-0.01	0.03	-0.35	97.1	0.724	0.864	-0.06	0.04
<u>a</u>	Female sex	-0.16	0.03	-5.17	280.7	0.000	0.000	-0.23	-0.10	<u>a</u>	Female sex	-0.16	0.03	-5.12	269.2	0.000	0.000	-0.23	-0.10
ш С	Age	-0.11	0.03	-3.89	228.6	0.000	0.000	-0.16	-0.05	, moc	Age	-0.10	0.03	-3.80	213.7	0.000	0.000	-0.16	-0.05
= .01)	Height	0.00	0.00	0.08	135.2	0.940	0.940	-0.01	0.01	= .01	Height	0.00	0.00	0.05	118.4	0.958	0.958	-0.01	0.01
Fully adjusted model $(R^2 = .01)$	Non-European ethnicity	-0.01	0.04	-0.24	279.2	0.809	0.809	-0.08	0.06	adju (R²	Non-European ethnicity	-0.01	0.04	-0.17	276.9	0.862	0.862	-0.08	0.06
Fully	BMI (z-score) Parental education	-0.02 0.00	0.02	-1.11 0.14	110.3 108.7	0.270 0.887	0.360 0.887	-0.06 -0.03	0.02	Fully adjusted model (R ² = .01)	BMI (z-score) Parental education	-0.02 0.00	0.02	-1.25 0.17	118.7 107.8	0.215 0.866	0.287 0.866	-0.06 -0.03	0.01
	Maternal age	0.00	0.02	-0.60	160.7	0.551	0.551	-0.03	0.03	1	Maternal age	0.00	0.02	-0.60	162.3	0.551	0.551	-0.03	0.03
	IMT (z-score) * sex	0.01	0.04	0.31	53.5	0.761	0.764	-0.07	0.10	L	Distens. (z-score) * sex	-0.02	0.04	-0.56	103.8	0.577	0.985	-0.09	0.05
											ence interval; UCI = upr								

^{*} SE= standard error; Df = degrees of freedom; FDR = false discovery rate; LCI = lower limit of the 95% confidence interval; UCI = upper limit of the 95% confidence interval;

Table S6 - Sex interaction (cont'd)

Ī		SYST	OLIC BLO	OOD PRES	SURE (S	BP)						DIASTO	DLIC BLC	OD PRES	SURE (DI	BP)			
	Predictor	Beta	SE	Statistic	•	P _{unadjusted}	P _{FDR}	LCI	UCI		Predictor	Beta	SE	Statistic		unadjusted	P _{FDR}	LCI	UCI
			Tota	brain volu	me (TBV)							Total	brain volu	me (TBV)				
	(Intercept)	-2.68	0.47	-5.73	205.9	0.000	0.000	-3.60	-1.76		(Intercept)	-2.53	0.46	-5.52	214.6	0.000	0.000	-3.44	-1.63
odel (71	SBP (z-score)	-0.04 -0.76	0.02	-1.80 -25.13	317.7 187.2	0.073	0.146	-0.08 -0.82	0.00 -0.70	: model = .17)	DBP (z-score) Female sex	-0.07 -0.76	0.02	-3.30 -25.11	194.0	0.001	0.004	-0.11	-0.03
Base model $(R^2 = .17)$	Female sex Age	0.00	0.03	-25.13 -0.11	82.5	0.000	0.000	-0.82	0.06	se m = .	Age	0.00	0.03	-25.11 -0.07	191.1 81.9	0.000	0.000	-0.81 -0.06	-0.70 0.06
Bas (R	Height	0.02	0.00	9.31	164.9	0.000	0.000	0.02	0.03	Base (R² :	Height	0.02	0.00	9.03	153.4	0.000	0.000	0.02	0.03
	SBP (z-score) * sex	-0.01	0.03	-0.15	153.1	0.879	0.987	-0.07	0.06		DBP (z-score) * sex	0.04	0.03	1.23	98.5	0.221	0.589	-0.03	0.11
	(Intercept)	-2.70	0.49	-5.57	172.4	0.000	0.000	-3.66	-1.75		(Intercept)	-2.58	0.48	-5.36	176.5	0.000	0.000	-3.53	-1.63
	SBP (z-score)	-0.04	0.02	-1.88	471.9	0.061	0.146	-0.08	0.00		DBP (z-score)	-0.06	0.02	-2.60	158.2	0.010	0.022	-0.10	-0.01
odel	Female sex	-0.76 0.01	0.03	-25.29 0.49	176.1 75.8	0.000 0.624	0.000 0.713	-0.82 -0.04	-0.70	model (Female sex	-0.76 0.02	0.03	-25.32 0.54	178.7 75.2	0.000 0.594	0.000 0.679	-0.82 -0.04	-0.70
adjusted model (R² = .19)	Age Height	0.01	0.03	7.78	167.5	0.000	0.713	0.04	0.07	ted m .19)	Age Height	0.02	0.00	7.50	164.2	0.000	0.000	0.04	0.07 0.02
djuste	Non-European ethnicity	-0.26	0.03	-8.72	687.0	0.000	0.000	-0.32	-0.21	S	Non-European ethnicity	-0.26	0.03	-8.61	665.7	0.000	0.000	-0.32	-0.20
lly adj (R ²	BMI (z-score)	0.06	0.02	3.64	270.9	0.000	0.000	0.03	0.09		BMI (z-score)	0.05	0.02	3.10	190.0	0.002	0.008	0.02	0.08
Fully	Parental education	0.03	0.01	2.47	100.7	0.015	0.030	0.01	0.06	Fully	Parental education	0.03	0.01	2.39	96.6	0.019	0.038	0.01	0.06
	Maternal age	0.01	0.00	2.20	221.2	0.029	0.058	0.00	0.01		Maternal age	0.01	0.00	2.13	217.3	0.035	0.070	0.00	0.01
Щ	SBP (z-score) * sex	-0.01	0.03	-0.16 matter volu	140.6	0.873	0.987	-0.07	0.06		DBP (z-score) * sex	0.03	0.03	1.03 natter volu	91.4	0.304	0.608	-0.03	0.10
\vdash	(Intercept)	-1.69	0.44	-3.86	440.5	0.000	0.000	-2.55	-0.83		(Intercept)	-1.50	0.43	-3.49	483.1	0.001	0.002	-2.34	-0.66
_	SBP (z-score)	-0.05	0.02	-2.48	272.3	0.000	0.112	-0.09	-0.03	-	DBP (z-score)	-0.08	0.43	-3.38	92.4	0.001	0.002	-0.13	-0.03
.17)	Female sex	-0.76	0.03	-24.57	146.0	0.000	0.000	-0.83	-0.70	= .17)	Female sex	-0.76	0.03	-24.30	137.5	0.000	0.000	-0.82	-0.70
Base model $(R^2 = .17)$	Age	-0.06	0.03	-2.22	131.7	0.028	0.045	-0.11	-0.01	Base r (R² =	Age	-0.06	0.03	-2.17	133.3	0.031	0.050	-0.11	-0.01
Bg)	Height	0.02	0.00	8.65	158.1	0.000	0.000	0.02	0.03	BB C	Height	0.02	0.00	8.31	162.2	0.000	0.000	0.01	0.02
	SBP (z-score) * sex	0.00	0.03	0.08	151.0	0.937	0.987	-0.06	0.06		DBP (z-score) * sex	0.05	0.03	1.48	115.6	0.142	0.589	-0.02	0.11
	(Intercept)	-1.81 -0.05	0.47	-3.84 -2.20	222.3 269.1	0.000	0.000	-2.73 -0.09	-0.88		(Intercept)	-1.67	0.47	-3.58 -2.62	228.2	0.000	0.000	-2.58	-0.75
-	SBP (z-score) Female sex	-0.05	0.02	-2.20	131.9	0.029	0.000	-0.09	-0.01 -0.71	-	DBP (z-score) Female sex	-0.06 -0.77	0.02	-24.48	86.1 125.5	0.000	0.022	-0.11 -0.83	-0.02 -0.71
adjusted mode (R ² = .20)	Age	-0.04	0.03	-1.42	101.4	0.160	0.213	-0.09	0.02	model (Age	-0.04	0.03	-1.37	101.3	0.175	0.233	-0.09	0.02
sted r = .20)	Height	0.02	0.00	7.08	146.5	0.000	0.000	0.01	0.02	ted r .20)	Height	0.02	0.00	6.72	139.9	0.000	0.000	0.01	0.02
adjus (R² =	Non-European ethnicity	-0.29	0.03	-8.87	260.1	0.000	0.000	-0.35	-0.22	adjusted (R² = .20	Non-European ethnicity	-0.28	0.03	-8.76	255.7	0.000	0.000	-0.35	-0.22
Fully a	BMI (z-score)	0.04	0.02	2.68	143.8	0.008	0.016	0.01	0.08	Fully a	BMI (z-score)	0.03	0.02	2.18	154.7	0.031	0.062	0.00	0.06
ш	Parental education	0.04	0.01	3.02	153.0	0.003	0.012	0.01	0.06	ш	Parental education	0.04	0.01	2.95	148.9	0.004	0.016	0.01	0.06
	Maternal age SBP (z-score) * sex	0.01	0.00	2.62 0.05	206.0 139.7	0.009	0.036	0.00	0.01		Maternal age DBP (z-score) * sex	0.01	0.00	2.54 1.25	203.5	0.012	0.048	-0.02	0.01
ш	OBI (2-30010) 30X			actional ar			0.507	-0.00	0.00	_	DBI (2-300IC) 3CX			actional an			0.505	-0.02	0.10
	(Intercept)	-1.44	0.49	-2.94	339.2	0.003	0.004	-2.40	-0.48		(Intercept)	-1.42	0.49	-2.89	273.4	0.004	0.005	-2.39	-0.45
- de	SBP (z-score)	0.00	0.03	0.16	106.3	0.875	0.875	-0.05	0.06	- de	DBP (z-score)	-0.01	0.02	-0.23	146.9	0.815	0.931	-0.05	0.04
e model < .01)	Female sex	-0.02	0.03	-0.61	206.4	0.540	0.540	-0.08	0.04	model < .01)	Female sex	-0.02	0.03	-0.60	206.1	0.548	0.548	-0.08	0.05
Base (R² •	Age Height	0.06	0.03	2.43 1.59	321.0 255.8	0.016 0.113	0.032 0.181	0.01	0.12	Base (R²	Age Height	0.06	0.03	2.44 1.57	322.7 243.7	0.015 0.117	0.030 0.187	0.01	0.12 0.01
	SBP (z-score) * sex	-0.02	0.04	-0.46	116.9	0.644	0.101	-0.09	0.01		DBP (z-score) * sex	0.00	0.00	-0.02	161.8	0.117	0.107	-0.07	0.07
	(Intercept)							-2.68			()			****					
		-1.66	0.52	-3.20	246.8	0.002	0.003	-2.00	-0.64		(Intercept)	-1.66	0.52	-3.20	224.1	0.002	0.003	-2.68	-0.64
	SBP (z-score)	-1.66 0.01	0.52 0.03	-3.20 0.43	246.8 97.7	0.672	0.870	-0.04	0.07		(Intercept) DBP (z-score)	-1.66 0.00	0.52 0.02	-3.20 0.07	224.1 138.7	0.002 0.941		-2.68 -0.05	-0.64
lebu		0.01 -0.02	0.03	0.43 -0.64	97.7 196.6	0.672 0.523	0.870 0.540	-0.04 -0.09	0.07 0.04	lebi		0.00 -0.02	0.02 0.03	0.07 -0.63	138.7 198.1	0.941 0.529	0.003 0.941 0.548	-0.05 -0.09	0.05 0.04
d model	SBP (z-score) Female sex Age	0.01 -0.02 0.07	0.03 0.03 0.03	0.43 -0.64 2.70	97.7 196.6 347.9	0.672 0.523 0.007	0.870 0.540 0.019	-0.04 -0.09 0.02	0.07 0.04 0.12	d model	DBP (z-score) Female sex Age	0.00 -0.02 0.07	0.02 0.03 0.03	0.07 -0.63 2.71	138.7 198.1 350.8	0.941 0.529 0.007	0.003 0.941 0.548 0.019	-0.05 -0.09 0.02	0.05 0.04 0.12
usted model = .01)	SBP (z-score) Female sex Age Height	0.01 -0.02 0.07 0.00	0.03 0.03 0.03 0.00	0.43 -0.64 2.70 1.28	97.7 196.6 347.9 244.6	0.672 0.523 0.007 0.201	0.870 0.540 0.019 0.268	-0.04 -0.09 0.02 0.00	0.07 0.04 0.12 0.01	iusted model 2 = .01)	DBP (z-score) Female sex Age Height	0.00 -0.02 0.07 0.00	0.02 0.03 0.03 0.00	0.07 -0.63 2.71 1.31	138.7 198.1 350.8 230.5	0.941 0.529 0.007 0.192	0.003 0.941 0.548 0.019 0.256	-0.05 -0.09 0.02 0.00	0.05 0.04 0.12 0.01
adju R ² S	SBP (z-score) Female sex Age Height Non-European ethnicity	0.01 -0.02 0.07 0.00 -0.05	0.03 0.03 0.03 0.00 0.00	0.43 -0.64 2.70 1.28 -1.48	97.7 196.6 347.9 244.6 241.1	0.672 0.523 0.007 0.201 0.140	0.870 0.540 0.019 0.268 0.187	-0.04 -0.09 0.02 0.00 -0.13	0.07 0.04 0.12 0.01 0.02	adjus (R² =	DBP (z-score) Female sex Age Height Non-European ethnicity	0.00 -0.02 0.07 0.00 -0.05	0.02 0.03 0.03 0.00 0.04	0.07 -0.63 2.71 1.31 -1.49	138.7 198.1 350.8 230.5 236.3	0.941 0.529 0.007 0.192 0.139	0.003 0.941 0.548 0.019 0.256 0.185	-0.05 -0.09 0.02 0.00 -0.13	0.05 0.04 0.12 0.01 0.02
Fully adjusted model $(R^2 = .01)$	SBP (z-score) Female sex Age Height	0.01 -0.02 0.07 0.00	0.03 0.03 0.03 0.00	0.43 -0.64 2.70 1.28	97.7 196.6 347.9 244.6	0.672 0.523 0.007 0.201	0.870 0.540 0.019 0.268	-0.04 -0.09 0.02 0.00	0.07 0.04 0.12 0.01	Fully adjusted model $(R^2 = .01)$	DBP (z-score) Female sex Age Height	0.00 -0.02 0.07 0.00	0.02 0.03 0.03 0.00	0.07 -0.63 2.71 1.31	138.7 198.1 350.8 230.5	0.941 0.529 0.007 0.192	0.003 0.941 0.548 0.019 0.256	-0.05 -0.09 0.02 0.00	0.05 0.04 0.12 0.01
Fully adjusted model (R ² = .01)	SBP (z-score) Female sex Age Height Non-European ethnicity BMI (z-score)	0.01 -0.02 0.07 0.00 -0.05 0.00	0.03 0.03 0.03 0.00 0.04 0.02	0.43 -0.64 2.70 1.28 -1.48 -0.08	97.7 196.6 347.9 244.6 241.1 117.1	0.672 0.523 0.007 0.201 0.140 0.934	0.870 0.540 0.019 0.268 0.187 0.934	-0.04 -0.09 0.02 0.00 -0.13 -0.04	0.07 0.04 0.12 0.01 0.02 0.04	Fully adjusted model (R ² = .01)	DBP (z-score) Female sex Age Height Non-European ethnicity BMI (z-score)	0.00 -0.02 0.07 0.00 -0.05 0.00	0.02 0.03 0.03 0.00 0.04 0.02	0.07 -0.63 2.71 1.31 -1.49 -0.04	138.7 198.1 350.8 230.5 236.3 114.2	0.941 0.529 0.007 0.192 0.139 0.970	0.003 0.941 0.548 0.019 0.256 0.185 0.970	-0.05 -0.09 0.02 0.00 -0.13 -0.04	0.05 0.04 0.12 0.01 0.02 0.04
Fully adjusted model (R ² = .01)	SBP (z-score) Female sex Age Height Non-European ethnicity BMI (z-score) Parental education	0.01 -0.02 0.07 0.00 -0.05 0.00 0.02	0.03 0.03 0.03 0.00 0.04 0.02 0.02 0.00	0.43 -0.64 2.70 1.28 -1.48 -0.08 1.22 1.52	97.7 196.6 347.9 244.6 241.1 117.1 125.5 183.5 115.2	0.672 0.523 0.007 0.201 0.140 0.934 0.226 0.130 0.618	0.870 0.540 0.019 0.268 0.187 0.934 0.301	-0.04 -0.09 0.02 0.00 -0.13 -0.04 -0.01	0.07 0.04 0.12 0.01 0.02 0.04 0.05	Fully adjusted model $(\mathbb{R}^2 = .01)$	DBP (z-score) Female sex Age Height Non-European ethnicity BMI (z-score) Parental education	0.00 -0.02 0.07 0.00 -0.05 0.00 0.02	0.02 0.03 0.03 0.00 0.04 0.02 0.02 0.00	0.07 -0.63 2.71 1.31 -1.49 -0.04 1.19 1.53	138.7 198.1 350.8 230.5 236.3 114.2 119.7 191.1	0.941 0.529 0.007 0.192 0.139 0.970 0.236 0.129	0.003 0.941 0.548 0.019 0.256 0.185 0.970 0.315	-0.05 -0.09 0.02 0.00 -0.13 -0.04 -0.01	0.05 0.04 0.12 0.01 0.02 0.04 0.05
Fully adjusted model $(R^2 = .01)$	SBP (z-score) Female sex Age Height Non-European ethnicity BMI (z-score) Parental education Maternal age SBP (z-score) * sex	0.01 -0.02 0.07 0.00 -0.05 0.00 0.02 0.01 -0.02	0.03 0.03 0.03 0.00 0.04 0.02 0.02 0.00 0.04 Global	0.43 -0.64 2.70 1.28 -1.48 -0.08 1.22 1.52 -0.50 mean diffu	97.7 196.6 347.9 244.6 241.1 117.1 125.5 183.5 115.2 usivity (M	0.672 0.523 0.007 0.201 0.140 0.934 0.226 0.130 0.618	0.870 0.540 0.019 0.268 0.187 0.934 0.301 0.173 0.987	-0.04 -0.09 0.02 0.00 -0.13 -0.04 -0.01 0.00 -0.09	0.07 0.04 0.12 0.01 0.02 0.04 0.05 0.01	Fully adjusted model (R ² = .01)	DBP (z-score) Female sex Age Height Non-European ethnicity BMI (z-score) Parental education Maternal age DBP (z-score) * sex	0.00 -0.02 0.07 0.00 -0.05 0.00 0.02 0.01	0.02 0.03 0.03 0.00 0.04 0.02 0.02 0.00 0.03 Global	0.07 -0.63 2.71 1.31 -1.49 -0.04 1.19 1.53 -0.09	138.7 198.1 350.8 230.5 236.3 114.2 119.7 191.1 164.5 sivity (ME	0.941 0.529 0.007 0.192 0.139 0.970 0.236 0.129 0.925	0.003 0.941 0.548 0.019 0.256 0.185 0.970 0.315 0.172	-0.05 -0.09 0.02 0.00 -0.13 -0.04 -0.01 0.00 -0.07	0.05 0.04 0.12 0.01 0.02 0.04 0.05 0.01
Fully	SBP (z-score) Female sex Age Height Non-European ethnicity BMI (z-score) Parental education Maternal age SBP (z-score)* sex	0.01 -0.02 0.07 0.00 -0.05 0.00 0.02 0.01 -0.02	0.03 0.03 0.00 0.04 0.02 0.02 0.00 0.04 Global	0.43 -0.64 2.70 1.28 -1.48 -0.08 1.22 1.52 -0.50 mean diffu	97.7 196.6 347.9 244.6 241.1 117.1 125.5 183.5 115.2 usivity (M	0.672 0.523 0.007 0.201 0.140 0.934 0.226 0.130 0.618 D)	0.870 0.540 0.019 0.268 0.187 0.934 0.301 0.173 0.987	-0.04 -0.09 0.02 0.00 -0.13 -0.04 -0.01 0.00 -0.09	0.07 0.04 0.12 0.01 0.02 0.04 0.05 0.01 0.05	Fully	DBP (z-score) Female sex Age Height Non-European ethnicity BMI (z-score) Parental education Matemal age DBP (z-score) * sex	0.00 -0.02 0.07 0.00 -0.05 0.00 0.02 0.01 0.00	0.02 0.03 0.03 0.00 0.04 0.02 0.02 0.00 0.03 Global	0.07 -0.63 2.71 1.31 -1.49 -0.04 1.19 1.53 -0.09 mean diffu	138.7 198.1 350.8 230.5 236.3 114.2 119.7 191.1 164.5 sivity (ME	0.941 0.529 0.007 0.192 0.139 0.970 0.236 0.129 0.925 0)	0.003 0.941 0.548 0.019 0.256 0.185 0.970 0.315 0.172 0.985	-0.05 -0.09 0.02 0.00 -0.13 -0.04 -0.01 0.00 -0.07	0.05 0.04 0.12 0.01 0.02 0.04 0.05 0.01 0.06
Fully	SBP (z-score) Female sex Age Height Non-European ethnicity BMI (z-score) Parental education Maternal age SBP (z-score) * sex	0.01 -0.02 0.07 0.00 -0.05 0.00 0.02 0.01 -0.02	0.03 0.03 0.03 0.00 0.04 0.02 0.02 0.00 0.04 Global	0.43 -0.64 2.70 1.28 -1.48 -0.08 1.22 1.52 -0.50 mean diffu	97.7 196.6 347.9 244.6 241.1 117.1 125.5 183.5 115.2 usivity (M	0.672 0.523 0.007 0.201 0.140 0.934 0.226 0.130 0.618	0.870 0.540 0.019 0.268 0.187 0.934 0.301 0.173 0.987	-0.04 -0.09 0.02 0.00 -0.13 -0.04 -0.01 0.00 -0.09	0.07 0.04 0.12 0.01 0.02 0.04 0.05 0.01	Fully	DBP (z-score) Female sex Age Height Non-European ethnicity BMI (z-score) Parental education Maternal age DBP (z-score) * sex	0.00 -0.02 0.07 0.00 -0.05 0.00 0.02 0.01	0.02 0.03 0.03 0.00 0.04 0.02 0.02 0.00 0.03 Global	0.07 -0.63 2.71 1.31 -1.49 -0.04 1.19 1.53 -0.09	138.7 198.1 350.8 230.5 236.3 114.2 119.7 191.1 164.5 sivity (ME	0.941 0.529 0.007 0.192 0.139 0.970 0.236 0.129 0.925	0.003 0.941 0.548 0.019 0.256 0.185 0.970 0.315 0.172	-0.05 -0.09 0.02 0.00 -0.13 -0.04 -0.01 0.00 -0.07	0.05 0.04 0.12 0.01 0.02 0.04 0.05 0.01
model Fully: .01)	SBP (z-score) Female sex Age Height Non-European ethnicity BMI (z-score) Parental education Maternal age SBP (z-score) * sex (Intercept) SBP (z-score)	0.01 -0.02 0.07 0.00 -0.05 0.00 0.02 0.01 -0.02	0.03 0.03 0.03 0.00 0.04 0.02 0.02 0.00 0.04 Global	0.43 -0.64 2.70 1.28 -1.48 -0.08 1.22 1.52 -0.50 mean diffu	97.7 196.6 347.9 244.6 241.1 117.1 125.5 183.5 115.2 usivity (M 144.1 230.9	0.672 0.523 0.007 0.201 0.140 0.934 0.226 0.130 0.618 D)	0.870 0.540 0.019 0.268 0.187 0.934 0.301 0.173 0.987	-0.04 -0.09 0.02 0.00 -0.13 -0.04 -0.01 0.00 -0.09	0.07 0.04 0.12 0.01 0.02 0.04 0.05 0.01 0.05	model Fully = .01)	DBP (z-score) Female sex Age Height Non-European ethnicity BMI (z-score) Parental education Maternal age DBP (z-score) * sex (Intercept) DBP (z-score)	0.00 -0.02 0.07 0.00 -0.05 0.00 0.02 0.01 0.00	0.02 0.03 0.03 0.00 0.04 0.02 0.02 0.00 0.03 Global 0.54	0.07 -0.63 2.71 1.31 -1.49 -0.04 1.19 1.53 -0.09 mean diffu 2.91	138.7 198.1 350.8 230.5 236.3 114.2 119.7 191.1 164.5 sivity (ME 118.4 172.2	0.941 0.529 0.007 0.192 0.139 0.970 0.236 0.129 0.925 0.004 0.472	0.003 0.941 0.548 0.019 0.256 0.185 0.970 0.315 0.172 0.985	-0.05 -0.09 0.02 0.00 -0.13 -0.04 -0.01 0.00 -0.07	0.05 0.04 0.12 0.01 0.02 0.04 0.05 0.01 0.06
Fully	SBP (z-score) Female sex Age Height Non-European ethnicity BMI (z-score) Parental education Maternal age SBP (z-score) * sex (Intercept) SBP (z-score) Female sex	0.01 -0.02 0.07 0.00 -0.05 0.00 0.02 0.01 -0.02 -0.01 -0.01 -0.16	0.03 0.03 0.03 0.00 0.04 0.02 0.00 0.04 Global 0.53 0.02	0.43 -0.64 2.70 1.28 -1.48 -0.08 1.22 1.52 -0.50 mean diffu 2.86 -0.59 -5.18	97.7 196.6 347.9 244.6 241.1 117.1 125.5 183.5 115.2 usivity (M 144.1 230.9 299.0	0.672 0.523 0.007 0.201 0.140 0.934 0.226 0.130 0.618 D) 0.005 0.558	0.870 0.540 0.019 0.268 0.187 0.934 0.301 0.173 0.987 0.006 0.870	-0.04 -0.09 0.02 0.00 -0.13 -0.04 -0.01 0.00 -0.09	0.07 0.04 0.12 0.01 0.02 0.04 0.05 0.01 0.05	Fully	DBP (z-score) Female sex Age Height Non-European ethnicity BMI (z-score) Parental education Matemal age DBP (z-score) * sex (Intercept) DBP (z-score) Female sex	0.00 -0.02 0.07 0.00 -0.05 0.00 0.02 0.01 0.00 1.58 -0.02 -0.16	0.02 0.03 0.03 0.00 0.04 0.02 0.02 0.00 0.03 Global 0.54 0.02	0.07 -0.63 2.71 1.31 -1.49 -0.04 1.19 1.53 -0.09 mean diffu 2.91 -0.72 -5.12	138.7 198.1 350.8 230.5 236.3 114.2 119.7 191.1 164.5 sivity (ME 118.4 172.2 272.4	0.941 0.529 0.007 0.192 0.139 0.970 0.236 0.129 0.925 0.004 0.472 0.000	0.003 0.941 0.548 0.019 0.256 0.185 0.970 0.315 0.172 0.985 0.005 0.720 0.000	-0.05 -0.09 0.02 0.00 -0.13 -0.04 -0.01 0.00 -0.07	0.05 0.04 0.12 0.01 0.02 0.04 0.05 0.01 0.06 2.65 0.03
model Fully: .01)	SBP (z-score) Female sex Age Height Non-European ethnicity BMI (z-score) Parental education Maternal age SBP (z-score) * sex (Intercept) SBP (z-score) Female sex Age Height SBP (z-score) * sex	0.01 -0.02 0.07 0.00 -0.05 0.00 0.02 0.01 -0.02 1.52 -0.01 -0.16 -0.11 0.00 0.00	0.03 0.03 0.03 0.00 0.04 0.02 0.00 0.04 Global 0.53 0.02 0.03 0.03 0.00	0.43 -0.64 2.70 1.28 -1.48 -0.08 1.22 1.52 -0.50 mean difft -0.59 -5.18 -3.90 0.12 -0.02	97.7 196.6 347.9 244.6 241.1 117.1 125.5 183.5 115.2 2sivity (M 144.1 230.9 299.0 215.0 134.0	0.672 0.523 0.007 0.201 0.140 0.934 0.226 0.130 0.618 D) 0.005 0.558 0.000 0.000 0.906	0.870 0.540 0.019 0.268 0.187 0.934 0.301 0.173 0.987 0.006 0.870 0.000 0.000 0.906	-0.04 -0.09 0.02 0.00 -0.13 -0.04 -0.01 -0.09 -0.09 -0.22 -0.16 -0.01 -0.07	0.07 0.04 0.12 0.01 0.02 0.04 0.05 0.01 0.05 2.58 0.03 -0.10 -0.05 0.01	model Fully = .01)	DBP (z-score) Female sex Age Height Non-European ethnicity BMI (z-score) Parental education Maternal age DBP (z-score) * sex (Intercept) DBP (z-score) Female sex Age Height DBP (z-score) * sex	0.00 -0.02 0.07 0.00 -0.05 0.00 0.02 0.01 0.00 1.58 -0.02 -0.16 -0.11 0.00	0.02 0.03 0.03 0.00 0.04 0.02 0.02 0.00 0.03 Global 0.54 0.02 0.03 0.03	0.07 -0.63 2.71 1.31 -1.49 -0.04 1.19 1.53 -0.09 mean diffu 2.91 -0.72 -5.12 -3.90 -0.03 0.06	138.7 198.1 350.8 230.5 236.3 114.2 119.7 191.1 164.5 sivity (ME 118.4 172.2 272.4 216.3 111.6	0.941 0.529 0.007 0.192 0.139 0.970 0.236 0.129 0.925 0.004 0.472 0.000 0.000 0.973 0.955	0.003 0.941 0.548 0.019 0.256 0.185 0.970 0.315 0.172 0.985 0.005 0.720 0.000 0.000 0.973 0.985	-0.05 -0.09 0.02 0.00 -0.13 -0.04 -0.01 0.00 -0.07 0.50 -0.06 -0.22 -0.16 -0.01 -0.07	0.05 0.04 0.12 0.01 0.02 0.04 0.05 0.01 0.06 2.65 0.03 -0.10 -0.05 0.01
model Fully: .01)	SBP (z-score) Female sex Age Height Non-European ethnicity BMI (z-score) Parental education Maternal age SBP (z-score) * sex (Intercept) SBP (z-score) Female sex Age Height SBP (z-score) * sex (Intercept) * sex	0.01 -0.02 0.07 0.00 -0.05 0.00 0.02 0.01 -0.02 1.52 -0.01 -0.16 -0.11 0.00 0.00 1.52	0.03 0.03 0.00 0.04 0.02 0.00 0.04 Global 0.53 0.02 0.03 0.03 0.00 0.04	0.43 -0.64 2.70 1.28 -1.48 -0.08 1.22 -0.50 mean diffs 2.86 -0.59 -5.18 -3.90 0.12 -0.02 2.80	97.7 196.6 347.9 244.6 241.1 117.1 125.5 183.5 115.2 2sivity (M 144.1 230.9 299.0 215.0 134.0 121.4	0.672 0.523 0.007 0.201 0.140 0.934 0.226 0.130 0.618 D) 0.005 0.558 0.000 0.000 0.906 0.987	0.870 0.540 0.019 0.268 0.187 0.934 0.301 0.173 0.987 0.006 0.870 0.000 0.906 0.987	-0.04 -0.09 0.02 0.00 -0.13 -0.04 -0.01 -0.09 -0.09 -0.09	0.07 0.04 0.12 0.01 0.02 0.04 0.05 0.01 0.05 2.58 0.03 -0.10 -0.05 0.01	model Fully = .01)	DBP (z-score) Female sex Age Height Non-European ethnicity BMI (z-score) Parental education Maternal age DBP (z-score) * sex (Intercept) DBP (z-score) Female sex Age Height DBP (z-score) * sex (Intercept) (Intercept)	0.00 -0.02 0.07 0.00 -0.05 0.00 0.02 0.01 0.00 1.58 -0.02 -0.16 -0.11 0.00 0.00	0.02 0.03 0.03 0.00 0.04 0.02 0.02 0.00 0.03 Global 0.54 0.02 0.03 0.03 0.00 0.04	0.07 -0.63 2.71 1.31 -1.49 -0.04 1.19 1.53 -0.09 mean diffu 2.91 -0.72 -5.12 -3.90 -0.03 0.06 2.82	138.7 198.1 350.8 230.5 236.3 114.2 119.7 191.1 164.5 sivity (MI 172.2 272.4 216.3 111.6 102.3 138.8	0.941 0.529 0.007 0.192 0.139 0.970 0.236 0.129 0.925 0) 0.004 0.472 0.000 0.000 0.973 0.955 0.006	0.003 0.941 0.548 0.019 0.256 0.185 0.970 0.315 0.172 0.985 0.005 0.720 0.000 0.000 0.973 0.985	0.05 -0.09 0.02 0.00 -0.13 -0.04 -0.01 0.00 -0.07 -0.06 -0.22 -0.16 -0.01 -0.07	0.05 0.04 0.12 0.01 0.02 0.04 0.05 0.01 0.06 2.65 0.03 -0.10 -0.05 0.01
Base model Fully (R ² = .01)	SBP (z-score) Female sex Age Height Non-European ethnicity BMI (z-score) Parental education Maternal age SBP (z-score) * sex (Intercept) SBP (z-score) Female sex Age Height SBP (z-score) * sex (Intercept) SBP (z-score)	0.01 -0.02 0.07 0.00 -0.05 0.00 0.02 0.01 -0.02 1.52 -0.01 0.00 0.00 0.00	0.03 0.03 0.00 0.04 0.02 0.00 0.04 Global 0.53 0.03 0.03 0.03 0.04 0.55	0.43 -0.64 2.70 1.28 -1.48 -0.08 1.22 -0.50 mean difft 2.86 -0.59 -5.18 -3.90 0.12 -0.02 2.80	97.7 196.6 347.9 244.6 241.1 117.1 125.5 183.5 115.2 usivity (M 241.1 230.9 299.0 215.0 134.0 121.4 153.4 212.5	0.672 0.523 0.007 0.201 0.140 0.934 0.226 0.130 0.618 D) 0.005 0.558 0.000 0.000 0.906 0.9967 0.006	0.870 0.540 0.019 0.268 0.187 0.934 0.301 0.173 0.987 0.006 0.870 0.000 0.906 0.987 0.006 0.987	-0.04 -0.09 0.02 0.00 -0.13 -0.04 -0.01 -0.09 -0.09 -0.47 -0.06 -0.22 -0.16 -0.01 -0.07	0.07 0.04 0.12 0.01 0.02 0.04 0.05 0.01 0.05 2.58 0.03 -0.10 -0.05 0.01 0.07 2.60 0.04	Base model (R ² = .01)	DBP (z-score) Female sex Age Height Non-European ethnicity BMI (z-score) Parental education Matemal age DBP (z-score)* sex (Intercept) DBP (z-score) Female sex Age Height DBP (z-score)* sex (Intercept) DBP (z-score) sex	0.00 -0.02 0.07 0.00 -0.05 0.00 0.02 0.01 0.00 1.58 -0.02 -0.16 -0.11 0.00 0.00 1.55 -0.02	0.02 0.03 0.03 0.00 0.04 0.02 0.00 0.03 Global 0.54 0.02 0.03 0.03 0.03 0.04 0.55 0.02	0.07 -0.63 2.71 1.31 -1.49 -0.04 1.19 1.53 -0.09 mean diffu 2.91 -0.72 -5.12 -3.90 -0.03 0.06 2.82 -0.62	138.7 198.1 350.8 230.5 236.3 114.2 119.7 191.1 164.5 sivity (ME 172.2 272.4 216.3 111.6 102.3 138.8 153.4	0.941 0.529 0.007 0.192 0.139 0.970 0.236 0.129 0.925 0) 0.004 0.472 0.000 0.0973 0.955 0.006 0.540	0.003 0.941 0.548 0.019 0.256 0.185 0.970 0.315 0.172 0.985 0.005 0.720 0.000 0.000 0.973 0.985 0.006 0.720	-0.05 -0.09 0.02 0.00 -0.13 -0.04 -0.01 0.00 -0.07 -0.06 -0.22 -0.16 -0.01 -0.07 0.46 -0.06	0.05 0.04 0.12 0.01 0.02 0.04 0.05 0.01 0.06 2.65 0.03 -0.10 -0.05 0.01 0.07 2.63
Base model Fully (R ² = .01)	SBP (z-score) Female sex Age Height Non-European ethnicity BMI (z-score) Parental education Maternal age SBP (z-score)* sex (Intercept) SBP (z-score) Female sex Age Height SBP (z-score)* sex (Intercept) SBP (z-score)* sex	0.01 -0.02 0.07 0.00 -0.05 0.00 0.02 -0.01 -0.02 1.52 -0.01 -0.16 -0.11 0.00 0.00 1.52 -0.01 -0.01	0.03 0.03 0.00 0.04 0.02 0.00 0.04 Global 0.53 0.02 0.03 0.00 0.04 0.55 0.02	0.43 -0.64 2.70 1.28 -1.48 -0.08 1.22 1.52 -0.50 mean diffu 2.86 -0.59 -5.18 -3.90 0.12 -0.02 2.80 -0.31 -5.23	97.7 196.6 347.9 244.6 241.1 117.1 125.5 115.2 115.2 125.0 144.1 230.9 299.0 215.0 134.0 121.4 153.4 212.5 287.5	0.672 0.523 0.007 0.201 0.140 0.934 0.226 0.130 0.618 D) 0.005 0.558 0.000 0.000 0.906 0.9967 0.006 0.987 0.006	0.870 0.540 0.019 0.268 0.187 0.934 0.301 0.173 0.987 0.006 0.870 0.000 0.906 0.987 0.006 0.987	-0.04 -0.09 0.02 0.00 -0.13 -0.04 -0.09 -0.09 -0.09 -0.06 -0.22 -0.16 -0.01 -0.07 -0.05 -0.06 -0.01 -0.07	0.07 0.04 0.12 0.01 0.02 0.04 0.05 0.01 0.05 2.58 0.03 -0.10 -0.05 0.01 0.07 2.60 0.04 -0.10	nodel Base model Fully (R ² = .01)	DBP (z-score) Female sex Age Height Non-European ethnicity BMI (z-score) Parental education Maternal age DBP (z-score)* sex (Intercept) DBP (z-score) Female sex Age Height DBP (z-score)* sex (Intercept) DBP (z-score)* sex	0.00 -0.02 0.07 0.00 -0.05 0.00 0.02 0.01 0.00 1.58 -0.02 -0.16 -0.11 0.00 1.55 -0.02 -0.06	0.02 0.03 0.03 0.00 0.04 0.02 0.00 0.03 Global 0.54 0.02 0.03 0.03 0.00 0.04	0.07 -0.63 2.71 1.31 -1.49 -0.04 1.19 1.53 -0.09 mean diffu 2.91 -0.72 -5.12 -3.90 -0.03 0.06 2.82 -0.62 -5.14	138.7 198.1 350.8 230.5 236.3 114.2 119.7 191.1 164.5 sivity (MI 172.2 272.4 216.3 111.6 102.3 138.8 153.4 260.1	0.941 0.529 0.007 0.192 0.139 0.970 0.236 0.129 0.925 0.004 0.472 0.000 0.000 0.973 0.975 0.006 0.540 0.000	0.003 0.941 0.548 0.019 0.256 0.185 0.970 0.315 0.172 0.985 0.005 0.720 0.000 0.000 0.973 0.985 0.000 0.9000 0.900 0.900 0.900 0.900 0.900 0.900 0.900 0.900 0.9000 0.900 0.900 0.900 0.900 0.900 0.900 0.900 0.900 0.9000 0.900 0.900 0.900 0.900 0.900 0.900 0.900 0.900 0.9000 0.900 0.900 0.900 0.900 0.900 0.900 0.900 0.900 0.9000 0.900 0.900 0.900 0.900 0.900 0.900 0.900 0.900 0.9000 0.900 0.900 0.900 0.900 0.900 0.900 0.900 0.900 0.9000 0.900 0.900 0.900 0.900 0.900 0.900 0.900 0.900 0.9000 0.900 0.900 0.900 0.900 0.900 0.900 0.900 0.900 0.9000 0.900 0.900 0.900 0.900 0.900 0.900 0.900 0.900 0.9000 0.900 0.900 0.900 0.900 0.900 0.900 0.900 0.900 0.9000 0.900 0.900 0.900 0.900 0.900 0.900 0.900 0.900 0.9000 0.900 0.900 0.900 0.900 0.900 0.900 0.900 0.900 0.9000 0.900 0.900 0.900 0.900 0.900 0.900 0.900 0.900 0.9000 0.900 0.900 0.900 0.900 0.900 0.900 0.900 0.900 0.90000 0.9000 0.9000 0.9000 0.9000 0.9000 0.9000 0.9000 0.	-0.05 -0.09 0.02 0.00 -0.13 -0.04 -0.01 0.00 -0.07 0.50 -0.06 -0.22 -0.16 -0.01 -0.07 0.46 -0.06 -0.23	0.05 0.04 0.12 0.01 0.02 0.04 0.05 0.01 0.06 2.65 0.03 -0.10 0.07 2.63 0.03
Base model Fully (R ² = .01)	SBP (z-score) Female sex Age Height Non-European ethnicity BMI (z-score) Parental education Maternal age SBP (z-score) * sex (Intercept) SBP (z-score) Female sex Age Height SBP (z-score) * sex (Intercept) SBP (z-score)	0.01 -0.02 0.07 0.00 -0.05 0.00 0.02 0.01 -0.02 1.52 -0.01 0.00 0.00 0.00	0.03 0.03 0.00 0.04 0.02 0.00 0.04 Global 0.53 0.03 0.03 0.03 0.04 0.55	0.43 -0.64 2.70 1.28 -1.48 -0.08 1.22 -0.50 mean difft 2.86 -0.59 -5.18 -3.90 0.12 -0.02 2.80	97.7 196.6 347.9 244.6 241.1 117.1 125.5 183.5 115.2 usivity (M 241.1 230.9 299.0 215.0 134.0 121.4 153.4 212.5	0.672 0.523 0.007 0.201 0.140 0.934 0.226 0.130 0.618 D) 0.005 0.558 0.000 0.000 0.906 0.9967 0.006	0.870 0.540 0.019 0.268 0.187 0.934 0.301 0.173 0.987 0.006 0.870 0.000 0.906 0.987 0.006 0.987	-0.04 -0.09 0.02 0.00 -0.13 -0.04 -0.01 -0.09 -0.09 -0.47 -0.06 -0.22 -0.16 -0.01 -0.07	0.07 0.04 0.12 0.01 0.02 0.04 0.05 0.01 0.05 2.58 0.03 -0.10 -0.05 0.01 0.07 2.60 0.04	model Base model Fully (R ² = .01)	DBP (z-score) Female sex Age Height Non-European ethnicity BMI (z-score) Parental education Matemal age DBP (z-score)* sex (Intercept) DBP (z-score) Female sex Age Height DBP (z-score)* sex (Intercept) DBP (z-score) sex	0.00 -0.02 0.07 0.00 -0.05 0.00 0.02 0.01 0.00 1.58 -0.02 -0.16 -0.11 0.00 0.00 1.55 -0.02	0.02 0.03 0.03 0.00 0.04 0.02 0.00 0.03 Global 0.54 0.02 0.03 0.03 0.03 0.04 0.55 0.02	0.07 -0.63 2.71 1.31 -1.49 -0.04 1.19 1.53 -0.09 mean diffu 2.91 -0.72 -5.12 -3.90 -0.03 0.06 2.82 -0.62	138.7 198.1 350.8 230.5 236.3 114.2 119.7 191.1 164.5 sivity (ME 172.2 272.4 216.3 111.6 102.3 138.8 153.4	0.941 0.529 0.007 0.192 0.139 0.970 0.236 0.129 0.925 0) 0.004 0.472 0.000 0.0973 0.955 0.006 0.540	0.003 0.941 0.548 0.019 0.256 0.185 0.970 0.315 0.172 0.985 0.005 0.720 0.000 0.000 0.973 0.985 0.006 0.720	-0.05 -0.09 0.02 0.00 -0.13 -0.04 -0.01 0.00 -0.07 -0.06 -0.22 -0.16 -0.01 -0.07 0.46 -0.06	0.05 0.04 0.12 0.01 0.02 0.04 0.05 0.01 0.06 2.65 0.03 -0.10 -0.05 0.01 0.07 2.63
Base model Fully (R ² = .01)	SBP (z-score) Female sex Age Height Non-European ethnicity BMI (z-score) Parental education Maternal age SBP (z-score)* sex (Intercept) SBP (z-score) Female sex Age Height SBP (z-score)* sex (Intercept) SBP (z-score) female sex Age Female sex Age Height SBP (z-score) Age Female sex Age Female sex Age	0.01 -0.02 0.07 0.00 -0.05 0.00 0.02 0.01 -0.02 1.52 -0.01 -0.16 -0.11 0.00 0.00	0.03 0.03 0.00 0.04 0.02 0.00 0.04 Global 0.53 0.02 0.03 0.00 0.04 0.55 0.02 0.03 0.00	0.43 -0.64 2.70 1.28 -1.48 -0.08 1.22 1.52 -0.50 mean diffu 2.86 -0.59 -5.18 -3.90 0.12 -0.02 2.80 -0.31 -5.23 -3.87	97.7 196.6 347.9 244.6 241.1 117.1 125.5 115.2 sivity (M 144.1 230.9 299.0 215.0 134.0 121.4 153.4 212.5 287.5 216.3	0.672 0.523 0.007 0.201 0.140 0.934 0.226 0.130 0.618 D) 0.005 0.558 0.000 0.000 0.906 0.987 0.006 0.761 0.000	0.870 0.540 0.019 0.268 0.187 0.934 0.301 0.173 0.987 0.006 0.870 0.000 0.906 0.987 0.006 0.987 0.006	-0.04 -0.09 0.02 0.00 -0.13 -0.04 -0.09 -0.09 -0.09 -0.06 -0.22 -0.16 -0.01 -0.07 0.45 -0.06 -0.23 -0.16	0.07 0.04 0.12 0.01 0.02 0.04 0.05 0.01 0.05 2.58 0.03 -0.10 -0.05 0.01 0.07 2.60 0.04 -0.10 -0.05	model Base model Fully (R ² = .01)	DBP (z-score) Female sex Age Height Non-European ethnicity BMI (z-score) Parental education Maternal age DBP (z-score)* sex (Intercept) DBP (z-score) Female sex Age Height DBP (z-score)* sex (Intercept) DBP (z-score)* sex Age Height DBP (z-score)* sex Age Female sex Age Female sex Age Female sex Age	0.00 -0.02 0.07 0.00 -0.05 0.00 0.02 0.01 0.00 1.58 -0.02 -0.16 -0.11 0.00 1.55 -0.02 -0.06	0.02 0.03 0.03 0.00 0.04 0.02 0.00 0.03 Global 0.54 0.02 0.03 0.03 0.00 0.04 0.55 0.02 0.03	0.07 -0.63 2.71 1.31 -1.49 -0.04 1.19 1.53 -0.09 mean diffu 2.91 -0.72 -5.12 -3.90 -0.03 0.06 2.82 -0.62 -5.14 -3.87	138.7 198.1 350.8 230.5 236.3 114.2 119.7 191.1 164.5 sivity (MI 118.4 172.2 272.4 216.3 111.6 102.3 138.8 153.4 260.1 218.7	0.941 0.529 0.007 0.192 0.139 0.970 0.236 0.129 0.925 0.004 0.472 0.000 0.000 0.973 0.955 0.006 0.540 0.000 0.000	0.003 0.941 0.548 0.019 0.256 0.185 0.970 0.315 0.172 0.985 0.005 0.720 0.000 0.973 0.985 0.720 0.000 0.973 0.000 0.720 0.000 0.720 0.000 0.720 0.000	-0.05 -0.09 0.02 0.00 -0.13 -0.04 -0.07 -0.06 -0.22 -0.16 -0.07 0.46 -0.06 -0.23 -0.16	0.05 0.04 0.12 0.01 0.02 0.04 0.05 0.01 0.06 2.65 0.03 -0.10 -0.05 0.01 0.07 2.63 0.03 -0.10 -0.05
Base model Fully (R ² = .01)	SBP (z-score) Female sex Age Height Non-European ethnicity BMI (z-score) Parental education Maternal age SBP (z-score) * sex (intercept) SBP (z-score) Female sex Age Height SBP (z-score) SBP (z-score) Female sex Age Height Age (intercept) SBP (z-score) Female sex Age Height Age Height	0.01 -0.02 0.07 0.00 -0.05 0.00 0.02 0.01 -0.02 1.52 -0.01 0.00 0.00 1.52 -0.01 -0.17	0.03 0.03 0.03 0.00 0.04 0.02 0.02 0.03 0.03 0.03 0.03 0.00 0.04	0.43 -0.64 2.70 1.28 -1.48 -0.08 1.22 1.52 -0.50 mean difft 2.86 -0.59 -5.18 -3.90 0.12 -0.02 2.80 -0.31 -5.23 -3.87 0.26	97.7 196.6 347.9 244.6 241.1 117.1 125.5 115.2 135.5 115.2 299.0 215.0 134.0 121.4 212.5 287.5 216.3 135.3	0.672 0.523 0.007 0.201 0.140 0.934 0.226 0.130 0.618 D) 0.005 0.558 0.000 0.000 0.906 0.987 0.006 0.761 0.000 0.000	0.870 0.540 0.019 0.268 0.187 0.934 0.301 0.173 0.987 0.006 0.870 0.000 0.996 0.870 0.000 0.000 0.000	-0.04 -0.09 0.02 0.00 -0.13 -0.04 -0.09 0.47 -0.06 -0.22 -0.16 -0.01 -0.07 0.45 -0.06 -0.23 -0.16 -0.01	0.07 0.04 0.12 0.01 0.02 0.04 0.05 0.01 0.05 2.58 0.03 -0.10 -0.05 0.01 0.07 2.60 0.04 0.05 0.01	(R ² = .01) (R ² = .01) Fully	DBP (z-score) Female sex Age Height Non-European ethnicity BMI (z-score) Parental education Maternal age DBP (z-score) * sex (Intercept) DBP (z-score) Female sex Age Height DBP (z-score)* sex (Intercept) DBP (z-score) Female sex Age Height DBP (z-score) Female sex Age Height DBP (z-score)	0.00 -0.02 0.07 0.00 -0.05 0.00 0.02 0.01 0.00 1.58 -0.02 -0.16 -0.11 0.00 0.00 1.55 -0.02 -0.16 -0.11 0.00	0.02 0.03 0.04 0.02 0.02 0.02 0.03 0.03 0.03 0.03 0.04 0.54 0.02 0.03 0.03 0.04 0.05 0.04 0.05 0.05 0.05 0.05 0.05	0.07 -0.63 2.71 1.31 -1.49 -0.04 1.19 1.53 -0.09 mean diffu 2.91 -0.72 -3.90 -0.03 0.06 2.82 -0.62 -5.14 -3.87 0.20	138.7 198.1 350.8 230.5 236.3 114.2 119.7 191.1 164.5 sivity (MI 172.2 272.4 216.3 111.6 102.3 138.8 153.4 260.1 218.7 126.1	0.941 0.529 0.007 0.192 0.139 0.970 0.236 0.129 0.925 0.004 0.472 0.000 0.973 0.955 0.006 0.540 0.000 0.000 0.540 0.0000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.00000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.	0.003 0.941 0.548 0.019 0.256 0.185 0.970 0.315 0.720 0.985 0.005 0.720 0.000 0.973 0.985 0.006 0.720 0.000 0.973 0.985	-0.05 -0.09 0.02 0.00 -0.13 -0.04 -0.01 0.00 -0.07 0.50 -0.06 -0.02 -0.16 -0.01 -0.07 0.46 -0.02 -0.06 -0.02 -0.06 -0.06 -0.02 -0.01 -0.07	0.05 0.04 0.12 0.01 0.02 0.04 0.05 0.01 0.06 2.65 0.03 -0.10 -0.05 0.01 0.07 2.63 0.03 -0.10 -0.05 0.01
model Fully: .01)	SBP (z-score) Female sex Age Height Non-European ethnicity BMI (z-score) Parental education Maternal age SBP (z-score)* sex (Intercept) SBP (z-score) Female sex Age Height SBP (z-score)* sex (Intercept) SBP (z-score) Female sex Age Height Non-European ethnicity BMI (z-score) Parental education	0.01 -0.02 0.07 0.00 -0.05 0.00 0.02 0.01 -0.02 -0.01 -0.16 -0.11 0.00 0.00 1.52 -0.01 -0.17 -0.11 0.00 -0.01 -0.01	0.03 0.03 0.03 0.00 0.04 0.02 0.00 0.04 Global 0.53 0.02 0.03 0.03 0.00 0.04 0.55 0.02 0.03 0.03 0.00 0.04 0.05	0.43 -0.64 2.70 1.28 -1.48 -0.08 1.22 1.52 -0.50 mean diffu 2.86 -0.59 -5.18 -3.90 0.12 -0.02 2.80 -0.31 -5.23 -3.67 0.26 -0.20 -0.20 -0.90 0.15	97.7 196.6 347.9 244.6 117.1 125.5 115.2 115.2 230.9 299.0 215.0 134.0 121.4 212.5 287.5 216.3 135.3 216.3 135.3 135.3 135.3 135.3 135.3 135.3	0.672 0.523 0.007 0.201 0.140 0.934 0.226 0.130 0.618 D) 0.005 0.558 0.000 0.006 0.906 0.966 0.761 0.000 0.000 0.000 0.906 0.784 0.000	0.870 0.540 0.019 0.268 0.301 0.173 0.987 0.006 0.870 0.006 0.870 0.006 0.870 0.006 0.987 0.006 0.987 0.006 0.987 0.006 0.987 0.006 0.987 0.006 0.987	-0.04 -0.09 -0.00 -0.00 -0.00 -0.00 -0.00 -0.00 -0.00 -0.01	0.07 0.04 0.12 0.01 0.02 0.04 0.05 0.01 0.05 -0.10 -0.05 0.01 -0.05 0.01 -0.05 0.01 0.07 -0.05 0.01 0.07 0.07 0.07 0.07 0.09 0.09 0.09 0.09	model Base model Fully (R ² = .01)	DBP (z-score) Female sex Age Height Non-European ethnicity BMI (z-score) Parental education Matemal age DBP (z-score)* sex (Intercept) DBP (z-score) Female sex Age Height DBP (z-score) * sex (Intercept) DBP (z-score) * sex Height DBP (z-score) Female sex Age Height Non-European ethnicity BMI (z-score) Parental education	0.00 -0.02 0.07 0.00 -0.05 0.00 0.02 0.01 0.00 -1.58 -0.02 -0.16 -0.11 0.00 -0.01 -0.02 -0.16 -0.11 -0.00 -0.00 -0.00 -0.00 -0.01 -0.00 -0.01	0.02 0.03 0.03 0.00 0.04 0.02 0.00 0.03 0.03 0.03 0.03 0.03 0.00 0.04 0.55 0.02 0.03 0.03 0.00 0.04 0.05	0.07 -0.63 2.71 1.31 -1.49 -0.04 1.19 1.53 -0.09 mean diffu -0.72 -5.12 -3.90 -0.03 0.06 2.82 -0.62 -5.14 -3.87 0.20 -0.18 -1.00 0.12	138.7 198.1 350.8 230.5 236.3 114.2 119.7 191.1 164.5 sixity (MIZ 272.4 216.3 111.6 102.3 111.6 102.3 113.8 153.4 260.1 218.7 126.1	0.941 0.529 0.007 0.192 0.970 0.236 0.129 0.925 0.004 0.472 0.000 0.000 0.973 0.004 0.472 0.000 0.973 0.000 0.004 0.472 0.000 0.973 0.000 0.000 0.000 0.970 0.000 0.000 0.000 0.000 0.970 0.0000 0.0000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.0000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.0000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.0000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.0000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.0	0.003 0.941 0.548 0.019 0.256 0.185 0.970 0.315 0.172 0.985 0.005 0.720 0.000 0.000 0.973 0.985 0.006 0.720 0.0000 0.00000 0.00000 0.0000 0.0000 0.0000 0.0000 0.0000 0.00000 0.00000	-0.05 -0.09 0.02 0.00 0.00 -0.07 -0.06 -0.06 -0.07 -0.06 -0.07 -0.06 -0.01 -0.07 -0.06 -0.01 -0.07 -0.06 -0.01 -0.07 -0.06 -0.01 -0.06 -0.03	0.05 0.04 0.12 0.01 0.02 0.04 0.05 0.01 0.06 0.03 -0.10 0.07 2.65 0.01 0.07 0.07 0.07 0.07 0.07 0.07 0.07
Base model Fully (R ² = .01)	SBP (z-score) Female sex Age Height Non-European ethnicity BMI (z-score) Parental education Maternal age SBP (z-score) * sex (Intercept) SBP (z-score) Female sex Age Height SBP (z-score) * sex (Intercept) SBP (z-score) * gex Height SBP (z-score) * gex Age Height Non-European ethnicity BMI (z-score)	0.01 -0.02 0.07 0.00 -0.05 0.00 0.02 0.01 -0.02 1.52 -0.01 -0.11 0.00 1.52 -0.01 -0.17 -0.11 0.00 -0.01	0.03 0.03 0.00 0.04 0.02 0.02 0.00 0.04 0.53 0.02 0.03 0.03 0.03 0.04 0.05 0.03 0.00 0.04 0.05 0.03 0.00 0.04 0.05 0.05 0.05 0.05 0.05 0.05	0.43 -0.64 2.70 1.28 -1.48 -0.08 1.22 1.52 -0.09 mean difft 2.86 -0.59 -5.18 -3.90 -0.02 2.80 -0.31 -5.23 -3.87 0.26 -0.20 -0.90	97.7 196.6 347.9 244.6 117.1 125.5 183.5 115.2 215.0 134.0 215.0 2215.0	0.672 0.523 0.007 0.201 0.140 0.934 0.226 0.130 0.618 D) 0.005 0.558 0.000 0.006 0.996 0.996 0.761 0.000 0.000 0.000 0.761 0.000 0.000	0.870 0.540 0.019 0.268 0.301 0.173 0.987 0.006 0.870 0.000 0.906 0.870 0.000 0.906 0.870 0.000 0.906 0.870 0.000	-0.04 -0.09 -0.09 -0.01 -0.04 -0.01 -0.09 -0.09 -0.09 -0.01 -0.01 -0.01 -0.01 -0.01 -0.01 -0.01 -0.01 -0.01 -0.01 -0.01 -0.01 -0.01 -0.01 -0.01 -0.02 -0.01	0.07 0.04 0.12 0.01 0.02 0.04 0.05 0.01 0.05 0.01 0.05 0.01 0.05 0.01 0.05 0.01 0.05 0.01 0.05 0.01 0.05 0.01 0.05 0.01 0.05 0.01 0.05 0.01 0.05 0.01 0.05 0.01 0.05 0.01 0.05 0.01 0.05 0.01 0.05 0.01 0.01	(R ² = .01) (R ² = .01) Fully	DBP (z-score) Female sex Age Height Non-European ethnicity BMI (z-score) Parental education Matemal age DBP (z-score) * sex (Intercept) DBP (z-score) Female sex Age Height DBP (z-score) * sex (Intercept) DBP (z-score) * sex Height DBP (z-score) + sex (Intercept) DBP (z-score) + sex Height Non-European ethnicity BMI (z-score)	0.00 -0.02 0.07 0.00 -0.05 0.00 0.02 0.01 0.00 1.58 -0.02 -0.16 -0.11 0.00 1.55 -0.02 -0.16 -0.11 0.00 -0.01 -0.01	0.02 0.03 0.03 0.00 0.04 0.02 0.03 0.03 0.03 0.03 0.03 0.04 0.05 0.02 0.03 0.03 0.03 0.03 0.03 0.03 0.03 0.04 0.05	0.07 -0.63 2.71 1.31 -1.49 -0.04 1.19 1.53 -0.09 mean diffu -0.72 -5.12 -3.90 -0.03 -0.06 2.82 -0.62 -5.14 -3.87 0.20 -0.18 -1.00	138.7 198.1 350.8 230.5 236.3 114.2 119.7 191.1 164.5 sivity (MIZ 172.2 272.4 216.3 111.6 102.3 138.8 153.4 260.1 218.7 126.1 126.	0.941 0.529 0.007 0.192 0.236 0.129 0.925 0.925 0.000 0.004 0.472 0.000 0.000 0.000 0.540 0.000	0.003 0.941 0.548 0.019 0.256 0.185 0.970 0.315 0.172 0.985 0.005 0.720 0.000 0.000 0.973 0.985 0.006 0.720 0.0000 0.00000 0.0000 0.0000 0.0000 0.00000 0.0000 0.0000 0.0000 0.0000 0.0000 0.00000 0.00000	-0.05 -0.09 0.02 0.00 0.00 -0.07 -0.06 -0.06 -0.07 -0.06 -0.07 -0.06 -0.01 -0.07 -0.06 -0.01 -0.07 -0.06 -0.08 -0.08 -0.08 -0.08	0.05 0.04 0.12 0.01 0.02 0.04 0.05 0.01 0.06 0.03 -0.10 -0.05 0.01 0.07 2.63 0.03 -0.10 0.07 0.07 0.07 0.07 0.07 0.07 0.07

^{*} SE= standard error; Df = degrees of freedom; FDR = false discovery rate; LCI = lower limit of the 95% confidence interval; UCI = upper limit of the 95% confidence interval;

Table S7- Global vs. regional volumes

Part		e S7- Globa																		
Part		Predictor						P _{EDR}	LCI	UCI		Predictor					Punadiusted	P _{EDR}	LCI	UCI
Part						volume (T	IV)									olume (1	ΓIV)			
Marie	<u> </u>										■ _									
Marie	mod = .15	Female sex	-0.70	0.03	-23.38	211.8	0.000	0.000	-0.76	-0.64	mod = .15	Female sex	-0.71	0.03	-23.56	216.6	0.000	0.000	-0.77	-0.65
Marie	asse (R² :	-									Base (R²:	-								
Mary												-								0.03
Fig. Part																				
Part	ē										ē									
Part	f mo	Age at MRI	0.05	0.06	0.90	79.6	0.372	0.638	-0.06	0.16	1 mg (/	Age at MRI	0.05	0.06	0.91	81.5	0.364	0.624	-0.06	0.16
Part	usted = .1										usted = .1									
Part	/adji										/ adji									
Monomes Mono	E.									0.09	E.								0.02	0.09
Company																				
Marie Mari	L	iviaterrial age	0.00					0.400	0.00	0.01		iviaterriar age	0.00					0.475	0.00	0.01
Marie Mari	_										_									
Marie Mari	.15)										.15)									
Marie Mari	se π ₹² =				-3.62	258.5	0.000	0.000	-0.26	-0.08	ise n 2² =			0.05	-3.61		0.000	0.000	-0.26	-0.08
	Ba —										eg 🛎									
## And Processes 20																				
Part	_		0.03	0.02	1.48	85.0	0.142	0.341	-0.01	0.06	_	Distensibility (z-score)	0.00	0.02	0.07	124.1	0.943	0.968	-0.03	0.03
Part	node										node									
Part	.17)										14 n 17.									
Part	djust R² =	Height								0.02	djust	Height				122.0			0.01	0.02
Part	lly a										ally a									
Secretary Secr	Œ										Œ									
## Provided Color 1-90 1-9	\Box		0.01	0.00	2.23	149.2							0.01	0.00	2.23	152.1				
Marticescope 1988 1988 1989	\vdash	(Intercent)					0.001	0.002	-3.00	-0.79		(Intercent)					0.000	0.000	-3.09	-0 90
Height 0.02 0.00 7.58 92.8 0.000	e ≪										∌ æ									
Height 0.02 0.00 7.58 92.8 0.000	moc = .13										moc = .15									
Height 0.02 0.00 7.58 92.8 0.000	Base (R²	-									Base (R ²	-								
Mart Part Mart	_																			
Female seas																				
RMI Concessor Content Conten	e de										a									
RMI Concessor Content Conten	1 mo(2									0.10	1 mor									
RMI Concessor Content Conten	nsted = .1!										sted = .1									
Percentel education 0.03 0.01 3.47 11.27 0.001 0.020 0.05 0.0	adj∈ R, adj										å å €									
Percental education 0.03 0.01 3.47 11.22 0.01 0.05	E.		0.05	0.02	3.44	149.5	0.001	0.003	0.02	0.09	FIL.	BMI (z-score)	0.06	0.02	3.51	144.1	0.001	0.002	0.03	0.09
White matter volume																				
Military Control Con		iviaterriai age	0.00				0.295	0.400	0.00	0.01		iviaterrial age	0.00				0.302	0.479	0.00	0.01
Height 0.02 0.06 7,80 119.5 0.000 0.000 0.02 0.03 119.5 0.000																				
Height 0.02 0.06 7,80 119.5 0.000 0.000 0.02 0.03 119.5 0.000	13)										13)									
Height 0.02 0.06 7,80 119.5 0.000 0.000 0.02 0.03 119.5 0.000	se n 2² =										se n 2 ² =									
Intercept	Ba a										B =	-								
Milificación O.02 O.20 1.10 78.9 0.276 0.473 0.02 0.05 0.88 0.03 0.10 0.05 0.28 0.08																				
## Height 0.02 0.00 6.43 163.7 0.000 0.000 0.01 0.02 0.02 0.02 0.02 0.000 0.	-	IMT (z-score)	0.02		1.10	79.3	0.276			0.06	-	Distensibility (z-score)	0.01			86.2				0.05
## Height 0.02 0.00 6.43 163.7 0.000 0.000 0.01 0.02 0.02 0.02 0.02 0.000 0.	node										node									
## Height 0.02 0.00 6.43 163.7 0.000 0.000 0.01 0.02 0.02 0.02 0.02 0.000 0.	.14)	•									.14)									
Fig. BMM	중국										adjus R² =									
Parental education 0.02 0.01 2.30 119.9 0.023 0.034 0.00 0.01 0.03 0.04 0.05 0.07 141.6 0.332 0.485 0.00 0.01 0.05 0.07 0	Ę O										1									
	Œ	, ,									Œ	Parental education								
Continue c		Maternal age	0.00				0.332	0.485	0.00	0.01		Maternal age	0.00				0.338	0.479	0.00	0.01
Particular Section Particu		(Intercept)	-1.42				0.029	0.050	-2.69	-0.15		(Intercept)	-1.38				0.033	0.050	-2.65	-0.12
Height 0.01 0.00 0.83 163.5 0.000	el (IMT (z-score)	0.01	0.02	0.29	80.0	0.774	0.774	-0.03	0.04	del (Distensibility (z-score)	-0.02	0.02	-1.31	388.2	0.191	0.968	-0.05	0.01
Height 0.01 0.00 0.83 163.5 0.000	e mc = .0										e mo									
Height 0.01 0.00 0.83 163.5 0.000	Base (R²	Age									Base (R²									
IMT (z-score) 0.01 0.02 0.29 79.7 0.774 0.03 0.04			0.01	0.00	3.63	163.5	0.000	0.000	0.00	0.01		Height	0.01	0.00	3.47	153.6	0.001	0.001	0.00	0.01
Female sex -0.15 0.03 -4.36 136.5 0.00 0.00 -0.22 -0.08 Age at MRI 0.00 0.06 -0.06 -7.44 0.952 0.952 0.913 0.12																				
BMI (2-score)	le										ldel									
BMI (2-score)	d mc	Age at MRI	0.00	0.06	-0.06	74.4	0.952	0.952	-0.13	0.12	d mo		0.00	0.06	-0.05	74.1	0.958	0.958	-0.13	0.12
BMI (2-score)	uste. = .0										uster 2 = .0									
Parental education O.00 O.01 O.01 O.02 O.02 O.02 O.02 O.02 Maternal age O.00 O.01 O.03 O.03 O.038 O.038 O.038 O.02 O.02 O.02	/ adj (R,										, adj									
Maternal age	∄.										∄.									
Cerebro-spinal fluid (CSF) Cerebro-spinal fluid (CSF)																				
MT (z-score) 0.02 0.02 0.02 0.02 0.02 0.02 0.02 0.04				Cerebr	o-spinal f	luid (CSF)							Cerebr	o-spinal f	luid (CSF)			
Height 0.01 0.00 5.01 23.8 0.000 0.000 0.01 0.02 Height 0.01 0.00 5.05 21.2 1 0.000 0.000 0.01 0.02	_										_									
Height 0.01 0.00 5.01 23.8 0.000 0.000 0.01 0.02 Height 0.01 0.00 5.05 21.2 1 0.000 0.000 0.01 0.02	.01)										node (10.									
Height 0.01 0.00 5.01 23.8 0.000 0.000 0.01 0.02 Height 0.01 0.00 5.05 21.2 1 0.000 0.000 0.01 0.02	3ser R² =	Age at MRI	-0.07	0.06	-1.30	111.9	0.196	0.416	-0.18	0.04	3se r R² =	Age at MRI	-0.07	0.06	-1.29	111.4	0.199	0.418	-0.18	0.04
Continue	m =										BB =									
MIT (z-score) 0.01 0.02 0.72 90.8 0.475 0.570 -0.02 0.05	\vdash										-									
Parental education 0.01 0.01 1.50 112.8 0.136 0.163 0.00 0.03 Parental education 0.01 0.01 1.53 116.3 0.128 0.154 0.00 0.03 Maternal age 0.00 0.00 -0.84 553.1 0.404 0.485 -0.01 0.00 Maternal age 0.00 0.00 -0.84 563.4 0.399 0.479 -0.01 0.00	_	IMT (z-score)	0.01	0.02	0.72	90.8	0.475	0.570	-0.02	0.05	-	Distensibility (z-score)	0.00	0.02	0.22	80.8	0.827	0.968	-0.03	0.04
Parental education 0.01 0.01 1.50 112.8 0.136 0.163 0.00 0.03 Parental education 0.01 0.01 1.53 116.3 0.128 0.154 0.00 0.03 Maternal age 0.00 0.00 -0.84 553.1 0.404 0.485 -0.01 0.00 Maternal age 0.00 0.00 -0.84 563.4 0.399 0.479 -0.01 0.00	node										node									
Parental education 0.01 0.01 1.50 112.8 0.136 0.163 0.00 0.03 Parental education 0.01 0.01 1.53 116.3 0.128 0.154 0.00 0.03 Maternal age 0.00 0.00 -0.84 553.1 0.404 0.485 -0.01 0.00 Maternal age 0.00 0.00 -0.84 563.4 0.399 0.479 -0.01 0.00	ted r.										ted n									
Parental education 0.01 0.01 1.50 112.8 0.136 0.163 0.00 0.03 Parental education 0.01 0.01 1.53 116.3 0.128 0.154 0.00 0.03 Maternal age 0.00 0.00 -0.84 553.1 0.404 0.485 -0.01 0.00 Maternal age 0.00 0.00 -0.84 563.4 0.399 0.479 -0.01 0.00	idjus R² =	Height	0.01	0.00	4.36	273.8	0.000	0.000	0.01	0.02	rdjus R² =	Height	0.01	0.00	4.45	250.5	0.000	0.000	0.01	0.02
Parental education 0.01 0.01 1.50 112.8 0.136 0.163 0.00 0.03 Parental education 0.01 0.01 1.53 116.3 0.128 0.154 0.00 0.03 Maternal age 0.00 0.00 -0.84 553.1 0.404 0.485 -0.01 0.00 Maternal age 0.00 0.00 -0.84 563.4 0.399 0.479 -0.01 0.00	ully 8										ully a									
Maternal age 0.00 0.00 -0.84 553.1 0.404 0.485 -0.01 0.00 Maternal age 0.00 0.00 -0.84 563.4 0.399 0.479 -0.01 0.00	ıĹ										Œ									
	1		0.00	0.00	-0.84	553.1	0.404	0.485	-0.01	0.00		Maternal age	0.00	0.00	-0.84	563.4	0.399	0.479	-0.01	

^{*}SE= standard error; Df = degrees of freedom; FDR = false discovery rate; LCl = lower limit of the 95% confidence interval; UCl = upper limit of t

Table S7 - Global vs. regional volumes (cont'd)

				OD PRES									OLIC BLO						
ŀ	Predictor	Beta	SE Total int	Statistic racranial v		Punadjusted	P _{FDR}	LCI	UCI		Predictor	Beta		Statistic racranial v		unadjusted	P _{FDR}	LCI	UCI
	(Intercept)	-3.32	0.58	-5.70	145.8	0.000	0.000	-4.47	-2.17		(Intercept)	-3.26	0.57	-5.73	157.1	0.000	0.000	-4.38	-2.14
e model = .15)	SBP (z-score) Female sex	-0.02 -0.71	0.02	-1.23 -23.71	111.6 225.9	0.221	0.379	-0.05 -0.77	0.01 -0.65	e model = .15)	DBP (z-score) Female sex	-0.04 -0.70	0.02	-2.34 -23.61	196.9 225.7	0.020	0.058	-0.07 -0.76	-0.01 -0.65
Base model (R² = .15)	Age at MRI	-0.02	0.05	-0.30	87.7	0.766	0.944	-0.12	0.09	Base model (R² = .15)	Age at MRI	-0.02	0.05	-0.27	87.5	0.786	0.945	-0.12	0.09
a o	Age delta Height	0.08	0.04	1.87 9.08	150.1 80.6	0.063	0.170 0.000	-0.01 0.02	0.17	<u>a</u> _	Age delta Height	0.08	0.04	1.84 9.03	150.3 76.4	0.067	0.173 0.000	-0.01 0.02	0.17
	(Intercept)	-3.69	0.61	-6.08	127.0	0.000	0.000	-4.89	-2.49		(Intercept)	-3.60	0.60	-6.02	133.6	0.000	0.000	-4.79	-2.42
- Se	SBP (z-score) Female sex	-0.03 -0.71	0.02	-1.58 -23.68	134.3 208.5	0.117	0.324	-0.06 -0.76	0.01 -0.65	ē	DBP (z-score) Female sex	-0.03 -0.70	0.02	-1.89 -23.67	188.9 209.2	0.060	0.098	-0.06 -0.76	0.00 -0.65
1 moc	Age at MRI	0.05	0.06	0.92	79.3	0.360	0.617	-0.06	0.16	1 mod (/	Age at MRI	0.05	0.06	0.92	80.4	0.358	0.614	-0.06	0.16
Fully adjusted model (R ² = .17)	Age delta Height	0.03	0.05	0.59 7.32	130.2 74.6	0.553	0.603	-0.06 0.02	0.12	adjusted model $(R^2 = .17)$	Age delta Height	0.03	0.05	0.61 7.15	133.1 71.8	0.546	0.596	-0.06 0.02	0.12
y adj	Non-European ethnicity	-0.21	0.03	-6.31	234.5	0.000	0.000	-0.28	-0.15	y adju (R²	Non-European ethnicity	-0.21	0.03	-6.27	245.6	0.000	0.000	-0.28	-0.15
Full	BMI (z-score) Parental education	0.06	0.02	4.02 2.94	213.0 93.8	0.000	0.000	0.03	0.09	Fully	BMI (z-score) Parental education	0.06	0.02 0.01	3.70 2.92	149.6 94.8	0.000	0.000	0.03	0.09 0.04
	Maternal age	0.02	0.00	1.15	208.2	0.250	0.479	0.00	0.04		Maternal age	0.02	0.00	1.10	204.1	0.273	0.504	0.00	0.04
	(Intercept)	-0.63	O.50	I grey mat -1.25	1031.1	0.212	0.212	-1.61	0.36		(Intercept)	-0.44	O.49	grey mat -0.90	ter volum 1126.0	0.370	0.370	-1.41	0.53
del 5	SBP (z-score)	-0.05	0.02	-3.03	170.7	0.003	0.036	-0.08	-0.02	g qe	DBP (z-score)	-0.05	0.02	-3.49	178.3	0.001	0.012	-0.08	-0.02
Base model (R ² = .15)	Female sex Age at MRI	-0.71 -0.16	0.03	-21.35 -3.51	102.2 239.5	0.000	0.000 0.012	-0.78 -0.25	-0.65 -0.07	Base model (R ² = .15)	Female sex Age at MRI	-0.71 -0.16	0.03 0.05	-21.26 -3.51	101.9 258.5	0.000	0.000 0.012	-0.78 -0.25	-0.64 -0.07
Bas (R ²	Age delta	0.10	0.05	2.21	148.7	0.028	0.170	0.01	0.19	Base (R²	Age delta	0.10	0.04	2.21	151.9	0.028	0.173	0.01	0.19
	Height (Intercept)	-1.31	0.00	7.94 -2.51	129.0 615.7	0.000	0.000	-2.33	-0.28		Height (Intercept)	0.02 -1.16	0.00	7.56 -2.25	123.6 679.2	0.000	0.000	0.01 -2.17	0.02 -0.15
	SBP (z-score)	-0.05	0.02	-2.76	209.3	0.006	0.021	-0.08	-0.20		DBP (z-score)	-0.04	0.02	-2.63	165.1	0.023	0.043	-0.07	-0.13
Fully adjusted model (R ² = .17)	Female sex Age at MRI	-0.71	0.03	-21.65	101.7	0.000	0.000 0.414	-0.78	-0.65 0.02	adjusted model $(R^2 = .17)$	Female sex Age at MRI	-0.71	0.03	-21.58	100.1	0.000	0.000	-0.78	-0.65 0.02
17)	Age delta	-0.08 0.03	0.05 0.04	-1.63 0.60	219.0 146.9	0.105 0.547	0.603	-0.17 -0.06	0.02	usted n = .17)	Age delta	-0.08 0.03	0.05 0.04	-1.65 0.63	236.0 150.2	0.101 0.529	0.408 0.596	-0.17 -0.06	0.02
adjusted r (R² = .17)	Height	0.02	0.00	6.21	145.2	0.000	0.000	0.01	0.02	adjus (R² =	Height	0.02	0.00	5.89	143.1	0.000	0.000	0.01	0.02
ully	Non-European ethnicity BMI (z-score)	-0.25 0.05	0.03	-7.31 2.95	198.5 188.6	0.000	0.000	-0.32 0.02	-0.18 0.08	Fully	Non-European ethnicity BMI (z-score)	-0.25 0.04	0.03	-7.20 2.44	194.4 168.0	0.000 0.016	0.000 0.024	-0.32 0.01	-0.18 0.07
<u> </u>	Parental education	0.03	0.01	4.22	225.7	0.000	0.000	0.02	0.04	"	Parental education	0.03	0.01	4.20	224.0	0.000	0.000	0.02	0.04
\Box	Maternal age	0.01 Sub-co	0.00 ortical gre	2.24 ey matter v	152.8 /olume	0.027	0.162	0.00	0.01		Maternal age	0.01 Sub-co	0.00 ortical gre	2.16 y matter v	150.9 /olume	0.032	0.192	0.00	0.01
	(Intercept)	-2.08	0.57	-3.67	202.9	0.000	0.000	-3.20	-0.96		(Intercept)	-2.04	0.55	-3.71	233.5	0.000	0.000	-3.13	-0.96
Base model $(R^2 = .13)$	SBP (z-score) Female sex	-0.02 -0.66	0.02	-0.98 -21.40	141.0 180.2	0.329	0.409	-0.05 -0.72	0.02 -0.60	Base model (R ² = .13)	DBP (z-score) Female sex	-0.03 -0.66	0.02	-2.26 -21.28	269.9 178.7	0.024	0.058	-0.06 -0.72	0.00 -0.60
sase m (R² =	Age at MRI	-0.07	0.05	-1.35	125.7	0.180	0.414	-0.17	0.03	iase n (R² =	Age at MRI	-0.07	0.05	-1.32	126.4	0.189	0.408	-0.17	0.03
98 –	Age delta Height	0.09	0.05	1.85 7.81	126.7 91.1	0.066	0.170 0.000	-0.01 0.02	0.18	8 =	Age delta Height	0.08	0.05	1.81 7.89	125.6 90.4	0.072	0.173	-0.01 0.02	0.18
	(Intercept)	-2.49	0.58	-4.26	187.7	0.000	0.000	-3.64	-1.33		(Intercept)	-2.42	0.57	-4.22	211.8	0.000	0.000	-3.55	-1.29
<u>a</u>	SBP (z-score) Female sex	-0.02 -0.66	0.02	-1.26 -21.50	130.1 179.2	0.209	0.379	-0.06 -0.72	0.01 -0.60	ē	DBP (z-score) Female sex	-0.03 -0.66	0.02	-1.86 -21.47	321.9 179.6	0.065	0.098	-0.06 -0.72	0.00 -0.60
Fully adjusted model (R² = .15)	Age at MRI	-0.01	0.05	-0.09	113.7	0.927	0.944	-0.11	0.10	adjusted model $(R^2 = .15)$	Age at MRI	-0.00	0.05	-0.09	116.3	0.927	0.945	-0.12	0.10
usted n = .15)	Age delta	0.03	0.05	0.68 6.14	117.0 85.1	0.498	0.603	-0.06 0.01	0.13	usted n = .15)	Age delta	0.03	0.05 0.00	0.68 6.03	118.1	0.496	0.596	-0.06	0.12
/ adjr	Height Non-European ethnicity	0.02 -0.18	0.00	-5.09	151.1	0.000	0.000	-0.26	0.02 -0.11		Height Non-European ethnicity	0.02 -0.18	0.00	-5.04	82.8 150.9	0.000	0.000	0.01 -0.25	0.02 -0.11
Ē	BMI (z-score)	0.06	0.02	3.69	140.8	0.000	0.000	0.03	0.10	Fully	BMI (z-score)	0.06	0.02	3.67	156.9	0.000	0.000	0.03	0.09
	Parental education Maternal age	0.03	0.01 0.00	3.49 1.04	118.8 100.5	0.001 0.299	0.003 0.479	0.01	0.04		Parental education Maternal age	0.03	0.01 0.00	3.45 1.00	117.8 100.4	0.001 0.319	0.003 0.504	0.01 0.00	0.04 0.01
	(Intercent)	-3.18		te matter -5.75	volume 256.4	0.000	0.000	-4.27	-2.09		(Intercent)	-3.10	Whi t 0.54	-5.78	volume 315.4	0.000	0.000	-4.16	-2.04
⊋ ge	(Intercept) SBP (z-score)	-0.03	0.55	-1.50	155.3	0.135	0.324	-0.06	0.01	≡ ⊊	(Intercept) DBP (z-score)	-0.04	0.02	-2.36	233.4	0.000	0.000	-0.07	-0.01
Base model (R ² = .13)	Female sex	-0.65	0.03	-21.29	194.7	0.000	0.000	-0.71	-0.59	Base model (R ² = .13)	Female sex	-0.65	0.03	-21.14	189.4	0.000	0.000	-0.71	-0.59
Base (R²	Age at MRI Age delta	0.02	0.05 0.05	0.41 1.20	115.1 107.1	0.683 0.233	0.944	-0.08 -0.04	0.12 0.15	Base (R²	Age at MRI Age delta	0.02	0.05 0.05	0.43 1.19	120.4 110.6	0.665 0.239	0.945 0.364	-0.08 -0.04	0.12 0.15
	Height	0.02	0.00	8.25 -6.05	134.8 240.5	0.000	0.000	0.02	0.03		Height	0.02	0.00	7.97	110.6	0.000	0.000	0.02	0.03
	(Intercept)						0.000	-4.57	-2.33 0.00		(Intercept)	-3.34	0.56	-5.98 -2.03	279.0 225.9	0.000	0.000	-4.44 -0.06	-2.24 0.00
lode	SBP (z-score)	-3.45 -0.03	0.57	-1.96	189.3	0.000	0.204	-0.07			DBP (z-score)	-0.03	0.02	-21.20	183.1	0.000		0.71	-0.59
L _	Female sex	-0.03 -0.65	0.02	-1.96 -21.32	189.3 191.5	0.051 0.000	0.000	-0.71	-0.59	lodel	Female sex	-0.65	0.03	1.50 0.20	116.6		0.000	-0.71	
14.	Female sex Age at MRI	-0.03	0.02	-1.96	189.3	0.051 0.000 0.139	0.000 0.414		-0.59 0.18	ted model .14)	Female sex Age at MRI	-0.65 0.08			111.9	0.137 0.840	0.408	-0.71 -0.03 -0.08	0.18
adjusted model R ² = .14)	Female sex Age at MRI Age delta Height	-0.03 -0.65 0.08 0.01 0.02	0.02 0.03 0.05 0.05 0.00	-1.96 -21.32 1.49 0.19 6.84	189.3 191.5 112.1 108.9 162.8	0.051 0.000 0.139 0.853 0.000	0.000 0.414 0.853 0.000	-0.71 -0.03 -0.09 0.01	-0.59 0.18 0.10 0.02	adjusted model R ² = .14)	Female sex Age at MRI Age delta Height	-0.65 0.08 0.01 0.02	0.03 0.05 0.05 0.00	6.59	111.9 151.3	0.840 0.000	0.408 0.840 0.000	-0.03 -0.08 0.01	0.18 0.10 0.02
ully adjusted r (R² = .14)	Female sex Age at MRI Age delta Height Non-European ethnicity	-0.03 -0.65 0.08 0.01 0.02 -0.19	0.02 0.03 0.05 0.05 0.00 0.03	-1.96 -21.32 1.49 0.19 6.84 -5.85	189.3 191.5 112.1 108.9 162.8 401.3	0.051 0.000 0.139 0.853 0.000 0.000	0.000 0.414 0.853 0.000 0.000	-0.71 -0.03 -0.09 0.01 -0.26	-0.59 0.18 0.10 0.02 -0.13		Female sex Age at MRI Age delta Height Non-European ethnicity	-0.65 0.08 0.01 0.02 -0.19	0.03 0.05 0.05 0.00 0.03	-5.78	151.3 406.3	0.840 0.000 0.000	0.408 0.840 0.000 0.000	-0.03 -0.08 0.01 -0.25	0.18 0.10 0.02 -0.13
₩, 4	Female sex Age at MRI Age delta Height Non-European ethnicity BMI (z-score) Parental education	-0.03 -0.65 0.08 0.01 0.02 -0.19 0.06 0.02	0.02 0.03 0.05 0.05 0.00 0.03 0.02 0.01	-1.96 -21.32 1.49 0.19 6.84 -5.85 3.80 2.23	189.3 191.5 112.1 108.9 162.8 401.3 194.4 120.1	0.051 0.000 0.139 0.853 0.000 0.000 0.000	0.000 0.414 0.853 0.000 0.000 0.000 0.042	-0.71 -0.03 -0.09 0.01 -0.26 0.03 0.00	-0.59 0.18 0.10 0.02 -0.13 0.09 0.03	₹%	Female sex Age at MRI Age delta Height Non-European ethnicity BMI (2-score) Parental education	-0.65 0.08 0.01 0.02 -0.19 0.06 0.02	0.03 0.05 0.05 0.00 0.03 0.02 0.01	-5.78 3.44 2.21	151.3 406.3 158.7 117.6	0.840 0.000 0.000 0.001 0.029	0.408 0.840 0.000 0.000 0.002 0.044	-0.03 -0.08 0.01 -0.25 0.02 0.00	0.18 0.10 0.02 -0.13 0.09 0.03
Fully adjusted (R ² = .14)	Female sex Age at MRI Age delta Height Non-European ethnicity BMI (z-score)	-0.03 -0.65 0.08 0.01 0.02 -0.19 0.06	0.02 0.03 0.05 0.05 0.00 0.03 0.02 0.01	-1.96 -21.32 1.49 0.19 6.84 -5.85 3.80 2.23 0.97	189.3 191.5 112.1 108.9 162.8 401.3 194.4 120.1 141.2	0.051 0.000 0.139 0.853 0.000 0.000	0.000 0.414 0.853 0.000 0.000 0.000	-0.71 -0.03 -0.09 0.01 -0.26 0.03	-0.59 0.18 0.10 0.02 -0.13 0.09		Female sex Age at MRI Age delta Height Non-European ethnicity BMI (z-score)	-0.65 0.08 0.01 0.02 -0.19 0.06	0.03 0.05 0.05 0.00 0.03 0.02 0.01	-5.78 3.44 2.21 0.92	151.3 406.3 158.7 117.6 142.4	0.840 0.000 0.000 0.001	0.408 0.840 0.000 0.000 0.002	-0.03 -0.08 0.01 -0.25 0.02	0.18 0.10 0.02 -0.13 0.09
Fully adj (R ²	Female sex Age at MRI Age delta Height Non-European ethnicity BMI (z-score) Parental education Maternal age (Intercept)	-0.03 -0.65 0.08 0.01 0.02 -0.19 0.06 0.02 0.00	0.02 0.03 0.05 0.05 0.00 0.03 0.02 0.01 0.00	-1.96 -21.32 1.49 0.19 6.84 -5.85 3.80 2.23 0.97 entricles veri	189.3 191.5 112.1 108.9 162.8 401.3 194.4 120.1 141.2 olume	0.051 0.000 0.139 0.853 0.000 0.000 0.000 0.028 0.334	0.000 0.414 0.853 0.000 0.000 0.000 0.042 0.479	-0.71 -0.03 -0.09 0.01 -0.26 0.03 0.00 0.00	-0.59 0.18 0.10 0.02 -0.13 0.09 0.03 0.01	Fully adji (R²	Female sex Age at MRI Age delta Age delta Height Non-European ethnicity BMI (z-score) Parental education Maternal age (Intercept)	-0.65 0.08 0.01 0.02 -0.19 0.06 0.02 0.00	0.03 0.05 0.05 0.00 0.03 0.02 0.01 0.00 Ve	-5.78 3.44 2.21 0.92 ntricles vo	151.3 406.3 158.7 117.6 142.4 olume 116.2	0.840 0.000 0.000 0.001 0.029 0.359	0.408 0.840 0.000 0.000 0.002 0.044 0.504	-0.03 -0.08 0.01 -0.25 0.02 0.00 0.00	0.18 0.10 0.02 -0.13 0.09 0.03 0.01
Fully adj (R ²	Female sex Age at MRI Age delta Height Non-European ethnicity BMI (z-score) Parental education Maternal age (Intercept) SBP (z-score)	-0.03 -0.65 0.08 0.01 0.02 -0.19 0.06 0.02 0.00	0.02 0.03 0.05 0.05 0.00 0.03 0.02 0.01 0.00 Ve	-1.96 -21.32 1.49 0.19 6.84 -5.85 3.80 2.23 0.97 entricles verification of the control of the co	189.3 191.5 112.1 108.9 162.8 401.3 194.4 120.1 141.2 olume 119.9 95.6	0.051 0.000 0.139 0.853 0.000 0.000 0.000 0.028 0.334	0.000 0.414 0.853 0.000 0.000 0.000 0.042 0.479	-0.71 -0.03 -0.09 0.01 -0.26 0.03 0.00 0.00	-0.59 0.18 0.10 0.02 -0.13 0.09 0.03 0.01 -0.03 0.06	Fully adji (R²	Female sex Age at MRI Age delta Height Non-European ethnicity BMI (z-score) Parental education Maternal age (Intercept) DBP (z-score)	-0.65 0.08 0.01 0.02 -0.19 0.06 0.02 0.00	0.03 0.05 0.05 0.00 0.03 0.02 0.01 0.00 Ve 0.64 0.02	-5.78 3.44 2.21 0.92 ntricles ve -2.17 1.11	151.3 406.3 158.7 117.6 142.4 olume 116.2 99.4	0.840 0.000 0.000 0.001 0.029 0.359 0.032 0.269	0.408 0.840 0.000 0.000 0.002 0.044 0.504	-0.03 -0.08 0.01 -0.25 0.02 0.00 0.00	0.18 0.10 0.02 -0.13 0.09 0.03 0.01 -0.12
Fully adj (R ²	Female sex Age at MRI Age delta Height Non-European ethnicity BMI (z-score) Parental education Maternal age (Intercept) SBP (z-score) Female sex Age at MRI	-0.03 -0.65 0.08 0.01 0.02 -0.19 0.06 0.02 0.00	0.02 0.03 0.05 0.05 0.00 0.03 0.02 0.01 0.00 Ve 0.65 0.02 0.04	-1.96 -21.32 1.49 0.19 6.84 -5.85 3.80 2.23 0.97 -entricles vi -2.03 1.10 -4.45 -0.14	189.3 191.5 112.1 108.9 162.8 401.3 194.4 120.1 141.2 olume 119.9 95.6 126.1 74.3	0.051 0.000 0.139 0.853 0.000 0.000 0.000 0.028 0.334 0.045 0.274 0.000 0.891	0.000 0.414 0.853 0.000 0.000 0.002 0.479 0.068 0.409 0.000 0.944	-0.71 -0.03 -0.09 0.01 -0.26 0.03 0.00 0.00 -2.60 -0.02 -0.22 -0.13	-0.59 0.18 0.10 0.02 -0.13 0.09 0.03 0.01 -0.03 0.06 -0.09 0.11	Fully adji (R²	Female sex Age at MR1 Age delta Height Non-European ethnicity BMI(z-score) Parental education Maternal age (Intercept) DBP (z-score) Female sex Age at MR1	-0.65 0.08 0.01 0.02 -0.19 0.06 0.02 0.00 -1.40 0.02 -0.16 -0.01	0.03 0.05 0.05 0.00 0.03 0.02 0.01 0.00 Ve 0.64 0.02 0.03 0.06	-5.78 3.44 2.21 0.92 ntricles vo -2.17 1.11 -4.49 -0.14	151.3 406.3 158.7 117.6 142.4 olume 116.2 99.4 132.5 73.8	0.840 0.000 0.000 0.001 0.029 0.359 0.032 0.269 0.000 0.890	0.408 0.840 0.000 0.000 0.002 0.044 0.504 0.048 0.284 0.000 0.945	-0.03 -0.08 0.01 -0.25 0.02 0.00 0.00 -2.67 -0.02 -0.22 -0.13	0.18 0.10 0.02 -0.13 0.09 0.03 0.01 -0.12 0.06 -0.09 0.11
Base model Fully adjusted r ($R^2 = .01$)	Female sex Age at MRI Age delta Height Non-European ethnicity BMI (z-score) Parental education Maternal age (intercept) SBP (z-score) Female sex Age at MRI Age delta	-0.03 -0.65 0.08 0.01 0.02 -0.19 0.06 0.02 0.00 -1.31 0.02 -0.15 -0.01	0.02 0.03 0.05 0.05 0.00 0.03 0.02 0.01 0.00 Ve	-1.96 -21.32 1.49 0.19 6.84 -5.85 3.80 2.23 0.97 -2.03 1.10 -4.45 -0.14 1.27	189.3 191.5 112.1 108.9 162.8 401.3 194.4 120.1 104.1 200lume 119.9 95.6 126.1 74.3 104.8	0.051 0.000 0.139 0.853 0.000 0.000 0.028 0.334 0.045 0.274 0.000 0.891 0.209	0.000 0.414 0.853 0.000 0.000 0.002 0.479 0.068 0.409 0.000 0.944 0.360	-0.71 -0.03 -0.09 0.01 -0.26 0.03 0.00 -0.00 -2.60 -0.02 -0.22 -0.13 -0.04	-0.59 0.18 0.10 0.02 -0.13 0.09 0.03 0.01 -0.03 0.06 -0.09 0.11 0.17	Fully adji (R²	Female sex Age at MRI Age delta Height Non-European ethnicity BMI (z-score) Parental education Maternal age (Intercept) DBP (z-score) Female sex Age at MRI Age delta	-0.65 0.08 0.01 0.02 -0.19 0.06 0.02 0.00 -1.40 0.02 -0.16 -0.01 0.06	0.03 0.05 0.05 0.00 0.03 0.02 0.01 0.00 Ve 0.64 0.02 0.03 0.06 0.05	-5.78 3.44 2.21 0.92 ntricles vo -2.17 1.11 -4.49 -0.14 1.26	151.3 406.3 158.7 117.6 142.4 olume 116.2 99.4 132.5 73.8 103.5	0.840 0.000 0.000 0.001 0.029 0.359 0.032 0.269 0.000 0.890 0.212	0.408 0.840 0.000 0.000 0.002 0.044 0.504 0.048 0.284 0.000 0.945 0.364	-0.03 -0.08 0.01 -0.25 0.02 0.00 0.00 -2.67 -0.02 -0.22 -0.13 -0.04	0.18 0.10 0.02 -0.13 0.09 0.03 0.01 -0.12 0.06 -0.09 0.11
Fully adj (R ²	Female sex Age at MRI Age delta Height Non-European ethnicity BMI (2-score) Parental education Maternal age (Intercept) SBP (2-score) Female sex Age at MRI Age deltat Height (Intercept)	-0.03 -0.65 0.08 0.01 -0.19 0.02 -0.19 0.00 -1.31 0.02 -0.15 -0.01 0.06 0.01	0.02 0.03 0.05 0.05 0.00 0.03 0.02 0.01 0.00 Ve 0.65 0.02 0.04 0.06 0.05 0.05	-1.96 -21.32 1.49 0.19 6.84 -5.85 3.80 2.23 0.97 -2.03 1.10 -4.45 -0.14 1.27 3.38 -1.89	189.3 191.5 112.1 108.9 162.8 401.3 194.4 120.1 141.2 olume 119.9 95.6 126.1 74.3 104.8 191.1	0.051 0.000 0.139 0.853 0.000 0.000 0.002 0.334 0.045 0.274 0.000 0.891 0.209 0.001	0.000 0.414 0.853 0.000 0.000 0.002 0.479 0.068 0.409 0.000 0.944 0.360 0.001	-0.71 -0.03 -0.09 -0.01 -0.26 -0.03 -0.00 -0.02 -0.02 -0.13 -0.04 -0.00 -2.69	-0.59 0.18 0.10 0.02 -0.13 0.09 0.03 0.01 -0.03 0.06 -0.09 0.11 0.17 0.01	Fully adji (R²	Female sex Age at MRI Age delta Height Non-European ethnicity BMI (z-score) Parental education Maternal age (Intercept) DBP (z-score) Female sex Age at MRI Age delta Height (Intercept)	-0.65 0.08 0.01 0.02 -0.19 0.06 0.02 0.00 -1.40 0.02 -0.01 0.06 0.01 -1.38	0.03 0.05 0.05 0.00 0.03 0.02 0.01 0.00 Ve 0.64 0.02 0.03 0.06 0.05 0.05	-5.78 3.44 2.21 0.92 ntricles vo -2.17 1.11 -4.49 -0.14 1.26 3.65 -1.99	151.3 406.3 158.7 117.6 142.4 olume 116.2 99.4 132.5 73.8 103.5 163.6 97.9	0.840 0.000 0.000 0.001 0.029 0.359 0.032 0.269 0.000 0.890 0.212 0.000	0.408 0.840 0.000 0.000 0.002 0.044 0.504 0.048 0.284 0.000 0.945 0.364 0.000	-0.03 -0.08 0.01 -0.25 0.02 0.00 0.00 -2.67 -0.02 -0.22 -0.13 -0.04 0.00 -2.74	0.18 0.10 0.02 -0.13 0.09 0.03 0.01 -0.12 0.06 -0.09 0.11 0.17 0.01
Base model Fully adj $(R^2 = .01)$ $(R^2$	Female sex Age at MRI Age delta Height Non-European ethnicity BMI (2-score) Parental education Maternal age (intercept) SBP (2-score) Female sex Age at MRI Age delta Height (intercept) SBP (2-score)	-0.03 -0.65 0.08 0.01 -0.19 0.06 0.02 0.00 -1.31 0.02 -0.15 -0.01 0.06 0.01	0.02 0.03 0.05 0.05 0.00 0.03 0.02 0.01 0.00 Ve 0.05 0.02 0.04 0.06 0.05 0.06 0.05	-1.96 -21.32 1.49 0.19 6.84 -5.85 3.80 2.23 0.97 	189.3 191.5 112.1 108.9 401.3 194.4 120.1 144.2 0lume 119.9 95.6 126.1 74.3 104.8 191.1 97.3	0.051 0.000 0.139 0.853 0.000 0.000 0.028 0.334 0.045 0.274 0.000 0.891 0.201 0.061	0.000 0.414 0.853 0.000 0.000 0.000 0.042 0.479 0.068 0.409 0.000 0.944 0.360 0.001	-0.71 -0.03 -0.09 0.01 -0.26 0.03 0.00 0.00 -2.60 -0.02 -0.22 -0.13 -0.04 0.00 -2.69 -0.02	-0.59 0.18 0.10 0.02 -0.13 0.09 0.03 0.01 -0.03 0.06 -0.09 0.11 0.17 0.01 0.06 0.06	Base model Fully adji (R² = .01) (R²	Female sex Age at MRI Age delta Height Non-European ethnicity BMI (z-score) Parental education Maternal age (Intercept) DBP (z-score) Female sex Age at MRI Age delta Height (Intercept) DBP (z-score)	-0.65 0.08 0.01 0.02 -0.19 0.06 0.02 0.00 -1.40 0.02 -0.16 -0.01 -1.38 0.02	0.03 0.05 0.05 0.00 0.03 0.02 0.01 0.00 Ve 0.64 0.02 0.03 0.06 0.05 0.05 0.00	-5.78 3.44 2.21 0.92 -2.17 1.11 -4.49 -0.14 1.26 3.65 -1.99	151.3 406.3 158.7 117.6 142.4 bolume 116.2 99.4 132.5 73.8 103.5 163.6 97.9 108.8	0.840 0.000 0.000 0.001 0.029 0.359 0.032 0.269 0.000 0.890 0.212 0.000 0.049	0.408 0.840 0.000 0.000 0.002 0.044 0.504 0.284 0.000 0.945 0.364 0.000 0.065 0.284	-0.03 -0.08 0.01 -0.25 0.00 0.00 -2.67 -0.02 -0.22 -0.13 -0.04 0.00 -2.74 -0.02	0.18 0.10 0.02 -0.13 0.09 0.03 0.01 -0.12 0.06 -0.09 0.11 0.17 0.01 -0.01
Base model Fully adj $(R^2 = .01)$ $(R^2$	Female sex Age at MRI Age delta Height Non-European ethnicity BMI (2-score) Parental education Maternal age (Intercept) SBP (2-score) Female sex Age at MRI Age deltat Height (Intercept)	-0.03 -0.65 0.08 0.01 -0.19 0.02 -0.19 0.00 -1.31 0.02 -0.15 -0.01 0.06 0.01	0.02 0.03 0.05 0.05 0.00 0.03 0.02 0.01 0.00 Ve 0.65 0.02 0.04 0.06 0.05 0.05	-1.96 -21.32 1.49 0.19 6.84 -5.85 3.80 2.23 0.97 -2.03 1.10 -4.45 -0.14 1.27 3.38 -1.89	189.3 191.5 112.1 108.9 162.8 401.3 194.4 120.1 141.2 olume 119.9 95.6 126.1 74.3 104.8 191.1	0.051 0.000 0.139 0.853 0.000 0.000 0.002 0.334 0.045 0.274 0.000 0.891 0.209 0.001	0.000 0.414 0.853 0.000 0.000 0.002 0.479 0.068 0.409 0.000 0.944 0.360 0.001	-0.71 -0.03 -0.09 -0.01 -0.26 -0.03 -0.00 -0.02 -0.02 -0.13 -0.04 -0.00 -2.69	-0.59 0.18 0.10 0.02 -0.13 0.09 0.03 0.01 -0.03 0.06 -0.09 0.11 0.17 0.01	Base model Fully adji (R² = .01) (R²	Female sex Age at MRI Age delta Height Non-European ethnicity BMI (z-score) Parental education Maternal age (Intercept) DBP (z-score) Female sex Age at MRI Age delta Height (Intercept)	-0.65 0.08 0.01 0.02 -0.19 0.06 0.02 0.00 -1.40 0.02 -0.01 0.06 0.01 -1.38	0.03 0.05 0.05 0.00 0.03 0.02 0.01 0.00 Ve 0.64 0.02 0.03 0.06 0.05 0.05	-5.78 3.44 2.21 0.92 ntricles vo -2.17 1.11 -4.49 -0.14 1.26 3.65 -1.99	151.3 406.3 158.7 117.6 142.4 olume 116.2 99.4 132.5 73.8 103.5 163.6 97.9	0.840 0.000 0.000 0.001 0.029 0.359 0.032 0.269 0.000 0.890 0.212 0.000	0.408 0.840 0.000 0.000 0.002 0.044 0.504 0.048 0.284 0.000 0.945 0.364 0.000	-0.03 -0.08 0.01 -0.25 0.02 0.00 0.00 -2.67 -0.02 -0.22 -0.13 -0.04 0.00 -2.74	0.18 0.10 0.02 -0.13 0.09 0.03 0.01 -0.12 0.06 -0.09 0.11 0.17 0.01
Base model Fully adj $(R^2 = .01)$ $(R^2$	Female sex Age at MRI Age delta Height Non-European ethnicity BMI (2-score) Parental education Maternal age (intercept) SBP (2-score) Female sex Age at MRI Age delta (intercept) SBP (2-score) Female sex Age at MRI Age delta Age delta	-0.03 -0.65 0.08 0.01 0.02 -0.19 0.06 0.02 0.00 -1.31 0.02 -0.15 -0.01 0.06 -1.32 0.02 -0.15 0.00 0.00	0.02 0.03 0.05 0.00 0.03 0.02 0.01 0.00 Ve 0.65 0.02 0.04 0.06 0.05	-1.96 -21.32 1.49 0.19 6.84 -5.85 3.80 2.23 0.97 -2.03 1.10 -4.45 -0.14 1.27 3.38 -1.89 0.95 -4.45 -0.07 1.18	189.3 191.5 112.1 108.9 162.8 401.3 194.4 120.1 141.2 olume 119.9 95.6 126.1 74.3 104.8 191.1 97.3 108.4 130.4 74.3	0.051 0.000 0.139 0.853 0.000 0.000 0.002 0.334 0.045 0.274 0.000 0.891 0.091 0.061 0.347 0.000 0.944 0.240	0.000 0.414 0.853 0.000 0.000 0.042 0.479 0.068 0.409 0.000 0.944 0.360 0.001 0.944 0.360	-0.71 -0.03 -0.09 0.01 -0.26 0.03 0.00 -0.02 -0.22 -0.13 -0.04 -0.02 -0.22 -0.13 -0.04	-0.59 0.18 0.10 0.02 -0.13 0.09 0.03 0.01 -0.03 0.06 -0.09 0.11 0.06 0.06 -0.09	Base model Fully adji (R² = .01) (R²	Female sex Age at MRI Age detta Height Non-European ethnicity BMI (Z-score) Parental education Maternal age (Intercept) DBP (Z-score) Female sex Age at MRI Age detta Height (Intercept) DBP (Z-score) Female sex Age at Age at MRI Age detta Age at A	-0.65 0.08 0.01 0.02 -0.19 0.06 0.02 -0.00 -1.40 0.02 -0.16 -0.01 -1.38 0.02 -0.15 0.00	0.03 0.05 0.05 0.00 0.03 0.02 0.01 0.00 0.64 0.02 0.03 0.06 0.05 0.00 0.02	-5.78 3.44 2.21 0.92 ntricles w -2.17 1.11 -4.49 -0.14 1.26 3.65 -1.99 1.08 -4.49 -0.07	151.3 406.3 158.7 117.6 142.4 142.4 116.2 99.4 132.5 73.8 103.5 163.6 97.9 108.8 135.9 74.4 104.1	0.840 0.000 0.000 0.001 0.029 0.359 0.032 0.269 0.000 0.212 0.000 0.049 0.243	0.408 0.840 0.000 0.000 0.002 0.044 0.504 0.284 0.000 0.945 0.364 0.000 0.065 0.284 0.000	-0.03 -0.08 0.01 -0.25 0.00 0.00 -2.67 -0.02 -0.22 -0.13 -0.04 -0.00 -2.74 -0.02 -0.22 -0.23	0.18 0.10 0.02 -0.13 0.09 0.03 0.01 -0.12 0.06 -0.09 0.11 0.17 0.01 -0.01 0.06 -0.09
adjusted model Base model Fully adj $(R^2 = .01)$ $(R^2 = .01)$ $(R^2 = .01)$	Female sex Age at MRI Age delta Height Non-European ethnicip BMI (2-score) Parental education Maternal age (Intercept) SBP (2-score) Female sex Age at MRI Age delta Height (Intercept) SBP (2-score) Female sex Age at MRI Age delta Height (Intercept) SBP (2-score) Female sex Age at MRI Age delta HAI Age at MRI	-0.03 -0.65 0.08 0.01 0.02 -0.19 0.06 0.02 0.00 -1.31 0.02 -0.15 -0.01 0.06 0.01 -1.32 0.02	0.02 0.03 0.05 0.05 0.00 0.03 0.02 0.01 0.00 0.65 0.02 0.04 0.06 0.05 0.00 0.69 0.02	-1.96 -21.32 1.49 0.19 6.84 -5.85 3.80 2.23 0.97	189.3 191.5 112.1 108.9 162.8 401.3 194.4 120.1 141.2 olume 119.9 95.6 126.1 74.3 104.8 191.1 97.3 108.4 130.4 74.3	0.051 0.000 0.139 0.853 0.000 0.000 0.000 0.204 0.334 0.274 0.000 0.891 0.209 0.001 0.061 0.347 0.000	0.000 0.414 0.853 0.000 0.000 0.042 0.479 0.068 0.409 0.000 0.944 0.360 0.001 0.409 0.000 0.049	-0.71 -0.03 -0.09 0.01 -0.26 0.03 0.00 0.00 -2.60 -0.02 -0.22 -0.13 -0.04 0.00 -0.02 -0.02 -0.02 -0.02	-0.59 0.18 0.10 0.02 -0.13 0.09 0.03 0.01 -0.03 0.06 -0.09 0.11 0.17 0.01 0.06 0.06 0.09	adjusted model Base model Fully adjuted $(R^2 = .01)$ $(R^2 = .01)$ $(R^2 = .01)$	Female sex Age at MRI Age delta Height Non-European ethnicity BMI(z-score) Parental education Maternal age (Intercept) DBP (z-score) Female sex Age at MRI Age delta Height (Intercept) DBP (z-score) Female sex Age at MRI Age delta Height (Intercept) DBP (z-score) Female sex Age at MRI	-0.65 0.08 0.01 0.02 -0.19 0.06 0.02 0.00 -1.40 0.02 -0.16 -0.01 0.06 0.01 -1.38 0.02 -0.15 0.00	0.03 0.05 0.05 0.00 0.03 0.02 0.01 0.00 Ve 0.64 0.02 0.03 0.06 0.05 0.00 0.69 0.02	-5.78 3.44 2.21 0.92 ntricles vi -2.17 1.11 -4.49 -0.14 1.26 3.65 -1.99 1.08 -4.49 -0.07	151.3 406.3 158.7 117.6 142.4 142.4 132.5 73.8 103.5 163.6 97.9 108.8 135.9 74.4	0.840 0.000 0.000 0.001 0.029 0.359 0.032 0.269 0.000 0.890 0.212 0.000 0.049 0.284 0.000 0.945	0.408 0.840 0.000 0.000 0.002 0.044 0.504 0.048 0.284 0.000 0.945 0.364 0.000 0.065 0.284 0.000	-0.03 -0.08 0.01 -0.25 0.00 0.00 -2.67 -0.02 -0.22 -0.13 -0.04 0.00 -2.74 -0.02 -0.02 -0.02	0.18 0.10 0.02 -0.13 0.09 0.03 0.01 -0.12 0.06 -0.09 0.11 0.01 -0.01 -0.06 -0.09
Base model Fully adj $(R^2 = .01)$ $(R^2$	Female sex Age at MRI Age delta Height Non-European ethnicity BMI (2-score) Parental education Maternal age (Intercept) SBP (2-score) Female sex Age at MRI Age delta Height (Intercept) SBP (2-score) Female sex Age at MRI Age delta Height Age delta Height Non-European ethnicity BMI (2-score)	-0.03 -0.65 0.08 0.01 0.02 -0.19 0.06 0.02 0.00 -1.31 0.02 -0.15 -0.01 0.06 0.01 -1.32 0.02 -0.15 0.00 0.01	0.02 0.03 0.05 0.00 0.03 0.05 0.00 0.01 0.00 0.02 0.04 0.06 0.05 0.00 0.06 0.05 0.00 0.06 0.05 0.00	-1.96 -21.32 1.49 0.19 6.84 -5.85 3.80 2.23 0.23 0.10 -1.10 -4.45 -0.14 1.27 3.38 -1.89 0.95 -4.45 -0.07 1.18 3.16 -0.48 0.46	189.3 191.5 112.1 108.9 162.8 401.3 194.4 120.1 119.9 95.6 126.1 74.3 104.8 191.1 97.3 108.4 130.4 130.4 140	0.051 0.000 0.139 0.853 0.000 0.000 0.000 0.028 0.334 0.274 0.000 0.891 0.209 0.001 0.061 0.347 0.000 0.944 0.240 0.002 0.632 0.647	0.000 0.414 0.853 0.000 0.000 0.002 0.479 0.068 0.409 0.000 0.944 0.360 0.001 0.944 0.360 0.002 0.702 0.647	-0.71 -0.03 -0.09 -0.01 -0.26 -0.03 -0.00 -2.60 -0.02 -0.22 -0.13 -0.04 -0.02 -0.22 -0.13 -0.04 -0.09 -0.09	-0.59 0.18 0.10 0.02 -0.13 0.09 0.03 0.01 -0.03 0.06 -0.09 0.11 0.17 0.01 0.06 0.06 0.09 0.12 0.16 0.01 0.06 0.05	diusted model Base model Fully adjusted $(R^2 = .01)$ $(R^2 = .01)$	Female sex Age at MRI Age delta Height Non-European ethnicity BMI (z-score) Parental education Maternal age (Intercept) DBP (z-score) Female sex Age at MRI Age delta Height (Intercept) DBP (z-score) Female sex Age at MRI Age delta Height (Intercept) DBP (z-score) Female sex Age at MRI Age delta Height Non-European ethnicity BMI (z-score)	-0.65 0.08 0.01 0.02 -0.19 0.06 0.02 -0.00 -1.40 0.02 -0.16 -0.01 0.02 -0.15 0.02 -0.15 0.00 0.02	0.03 0.05 0.05 0.00 0.03 0.02 0.01 0.00 Ve 0.64 0.02 0.03 0.06 0.05 0.00 0.02 0.03 0.06 0.05 0.00	-5.78 3.44 2.21 -2.17 -2.17 1.11 -4.49 -0.14 1.26 -1.99 1.08 -4.49 -0.07 1.17 3.30 -0.52 0.68	151.3 406.3 158.7 117.6 142.4 blume 116.2 99.4 132.5 73.8 103.5 163.6 97.9 108.8 135.9 74.4 104.1 167.1 208.3 106.3	0.840 0.000 0.000 0.001 0.029 0.359 0.002 0.269 0.000 0.890 0.212 0.000 0.244 0.000 0.945 0.243 0.001	0.408 0.840 0.000 0.000 0.002 0.044 0.504 0.284 0.000 0.945 0.284 0.000 0.065 0.284 0.000 0.945 0.364 0.000 0.945 0.364 0.001 0.364 0.001	-0.03 -0.08 0.01 -0.25 0.02 0.00 -2.67 -0.02 -0.22 -0.13 -0.04 -0.02 -0.22 -0.13 -0.04 0.00	0.18 0.10 0.02 -0.13 0.09 0.03 0.01 -0.12 0.06 -0.09 0.11 0.06 -0.09 0.12 0.16 0.01 0.05
adjusted model Base model Fully adj $(R^2 = .01)$ $(R^2 = .01)$ $(R^2 = .01)$	Female sex Age at MRI Age delta Height Non-European ethnicity BMI (2-score) Parental education Maternal age (Intercept) SBP (2-score) Female sex Age at MRI Age delta Height (Intercept) SBP (2-score) Female sex Age at MRI Age delta Height (non-European ethnicity) BMI (2-score) Parental education	-0.03 -0.65 0.08 0.01 0.02 -0.19 0.06 0.02 -0.19 -1.31 0.02 -0.15 -0.01 -1.32 0.02 -0.15 0.00 -0.00	0.02 0.03 0.05 0.00 0.03 0.02 0.01 0.00 0.65 0.02 0.04 0.06 0.05 0.00 0.69 0.02 0.04 0.06 0.05 0.00	-1.96 -21.32 1.49 0.19 6.84 -5.85 3.80 2.23 0.97 -2.03 1.10 -4.45 -0.14 1.27 3.38 -1.89 -0.97 -1.18 -0.07 1.18 3.16 -0.48	189.3 191.5 112.1 108.9 162.8 401.3 194.4 120.1 141.2 olume 119.9 95.6 126.1 74.3 104.8 191.1 97.3 108.4 74.3 104.8 188.4 214.9	0.051 0.000 0.139 0.853 0.000 0.000 0.028 0.334 0.045 0.274 0.000 0.891 0.209 0.001 0.061 0.347 0.000 0.944 0.209 0.000 0.944 0.202 0.632	0.000 0.414 0.853 0.000 0.000 0.042 0.479 0.068 0.409 0.000 0.944 0.360 0.001 0.409 0.000 0.944 0.409 0.000	-0.71 -0.03 -0.09 -0.01 -0.26 -0.03 -0.00 -2.60 -0.02 -0.22 -0.13 -0.04 -0.00 -0.02 -0.22 -0.13 -0.00 -0.00 -0.00	-0.59 0.18 0.10 0.02 -0.13 0.09 0.03 0.01 -0.03 0.06 -0.09 0.11 0.06 -0.09 0.12 0.12 0.01	adjusted model Base model Fully adjuted $(R^2 = .01)$ $(R^2 = .01)$ $(R^2 = .01)$	Female sex Age at MRI Age delta Height Non-European ethnicity BM (z-score) Parental education Maternal age (Intercept) DBP (z-score) Female sex Age at MRI Age delta Height (Intercept) DBP (z-score) Female sex Age at MRI Age delta Height (Intercept) Legal Sex Age at MRI Age delta Height Non-European ethnicity	-0.65 0.08 0.01 0.02 -0.19 0.06 0.02 -0.10 -0.01 -0.01 -0.06 0.01 -1.38 0.02 -0.15 0.00	0.03 0.05 0.05 0.00 0.03 0.02 0.01 0.00 Ve 0.64 0.02 0.03 0.06 0.05 0.00 0.02 0.03 0.06 0.05 0.00	-5.78 3.44 2.21 0.17 1.11 -4.49 -0.14 1.26 3.65 -1.99 1.08 -4.49 -0.07 1.17 3.30 -0.52	151.3 406.3 158.7 117.6 142.4 olume 116.2 99.4 132.5 73.8 103.5 163.6 97.9 108.8 135.9 74.4 104.1 167.1 208.3 106.3	0.840 0.000 0.000 0.001 0.029 0.359 0.032 0.269 0.000 0.890 0.212 0.000 0.049 0.284 0.000 0.945 0.245 0.001	0.408 0.840 0.000 0.000 0.002 0.044 0.504 0.284 0.000 0.945 0.284 0.000 0.945 0.284 0.000 0.945 0.284 0.000	-0.03 -0.08 0.01 -0.25 0.02 0.00 0.00 -2.67 -0.02 -0.22 -0.13 -0.04 0.00 -0.22 -0.22 -0.13 -0.04 0.00 -0.02	0.18 0.10 0.02 -0.13 0.09 0.03 0.01 -0.12 0.06 -0.09 0.11 0.06 -0.09 0.12 0.16 0.01
adjusted model Base model Fully adj $(R^2 = .01)$ $(R^2 = .01)$ $(R^2 = .01)$	Female sex Age at MRI Age delta Height Non-European ethnicity BMI (2-score) Parental education Maternal age (Intercept) SBP (2-score) Female sex Age at MRI Age delta Height (Intercept) SBP (2-score) Female sex Age at MRI Age delta Height Non-European ethnicity BMI (2-score) Parental education Maternal age	-0.03 -0.65 -0.08 0.01 0.02 -0.19 0.06 0.02 -0.15 -0.01 0.06 0.01 -1.31 0.02 -0.15 -0.01 0.00 0.01 -0.02 -0.15 0.00 0.00 0.00	0.02 0.03 0.05 0.05 0.00 0.00 0.01 0.00 0.02 0.01 0.00 0.05 0.02 0.04 0.05 0.00 0.05 0	-1.96 -21.32 1.49 0.19 6.84 -5.85 3.80 2.23 0.97	189.3 191.5 112.1 108.9 162.8 401.3 194.4 120.1 141.2 olume 119.9 95.6 126.1 74.3 104.8 191.1 97.3 104.4 130.4 74.3 104.8 188.4 214.9 110.3 104.4 63.1	0.051 0.000 0.139 0.853 0.000 0.000 0.000 0.002 0.034 0.045 0.274 0.000 0.891 0.209 0.001 0.061 0.347 0.000 0.944 0.002 0.632 0.647 0.972 0.901	0.000 0.414 0.853 0.000 0.000 0.000 0.002 0.479 0.068 0.409 0.000 0.944 0.360 0.001 0.081 0.409 0.000 0.944 0.360 0.001 0.702 0.647 0.972 0.901	-0.71 -0.03 -0.09 0.01 -0.26 0.03 0.00 -0.00 -2.60 -0.02 -0.22 -0.13 -0.04 0.00 -0.02 -0.22 -0.22 -0.23 -0.04 0.00 -0.00	-0.59 0.18 0.10 0.02 -0.13 0.09 -0.03 0.01 -0.03 0.06 -0.09 0.11 0.06 0.06 0.06 0.06 0.06 0.06 0.06	adjusted model Base model Fully adjuted $(R^2 = .01)$ $(R^2 = .01)$ $(R^2 = .01)$	Female sex Age at MRI Age delta Height Non-European ethnicity BMI (z-score) Parental education Maternal age (Intercept) DBP (z-score) Female sex Age at MRI Age delta Height (Intercept) DBP (z-score) Female sex Age at MRI Age delta Height Non-European ethnicity BMI (z-score) Parental education Maternal age	-0.65 0.08 0.01 0.02 -0.19 0.06 0.02 0.00 -1.40 0.02 -0.16 -0.01 0.06 0.01 -1.38 0.02 -0.15 0.00 0.06 0.01 0.06 0.01 0.00	0.03 0.05 0.05 0.00 0.03 0.02 0.01 0.00 Ve 0.64 0.02 0.03 0.06 0.05 0.00 0.02 0.03 0.06 0.05 0.00 0.04 0.02 0.03 0.06 0.05 0.00 0.00 0.00 0.00 0.00 0.00	-5.78 3.44 2.21 0.92 ntricles w -2.17 1.11 -4.49 -0.14 1.26 3.65 -1.99 1.08 -4.49 -0.07 1.17 3.30 -0.52 0.68 -0.02 0.15	151.3 406.3 158.7 117.6 142.4 blume 116.2 99.4 132.5 73.8 103.5 163.6 97.9 108.8 135.9 74.4 104.1 167.1 208.3 106.3 106.3 105.3 106.3 105.0 101.	0.840 0.000 0.000 0.001 0.029 0.359 0.032 0.269 0.000 0.212 0.000 0.49 0.284 0.000 0.945 0.243 0.001 0.607 0.499 0.984	0.408 0.840 0.000 0.000 0.002 0.044 0.504 0.284 0.000 0.945 0.364 0.000 0.485 0.284 0.000 0.485 0.284 0.000 0.485 0.284 0.000 0.485 0.485 0.485 0.486 0.	-0.03 -0.08 0.01 -0.25 0.02 0.00 -2.67 -0.02 -0.22 -0.13 -0.04 -0.02 -0.22 -0.13 -0.04 -0.02 -0.22 -0.13 -0.04 -0.02	0.18 0.10 0.10 0.02 0.03 0.01 0.06 0.09 0.11 0.17 0.01 0.06 0.09 0.12 0.16 0.06 0.09 0.01 0.01 0.06 0.01 0.01 0.01 0.01 0.01
Fully adjusted model Base model Fully adj (\mathbb{R}^2 = .01) (\mathbb{R}^2 = .01) (\mathbb{R}^2	Female sex Age at MRI Age delta Height Non-European ethnicity BMI (2-score) Parental education Maternal age (Intercept) SBP (2-score) Female sex Age at MRI Age delta Height (Intercept) SBP (2-score) Female sex Age at MRI Age delta Height (non-European ethnicity) BMI (2-score) Parental education	-0.03 -0.65 0.08 0.01 0.02 -0.19 0.06 0.02 -0.15 -0.01 -1.31 -0.02 -0.15 0.00 0.00 0.00 -0.15 -0.01 -1.32 0.02 -0.15 0.00 0.01 -1.32	0.02 0.03 0.05 0.00 0.03 0.05 0.00 0.03 0.02 0.01 0.06 0.05 0.00 0.06 0.05 0.00 0.06 0.05 0.00 0.04 0.06 0.05	-1.96 -21.32 1.49 0.19 6.84 -5.85 3.80 2.23 0.97	189.3 191.5 112.1 108.9 162.8 401.3 194.4 120.1 141.2 olume 119.9 95.6 126.1 74.3 104.8 191.1 97.3 108.4 130.4 24.9 110.3 104.8	0.051 0.000 0.139 0.853 0.000 0.000 0.000 0.028 0.334 0.045 0.274 0.000 0.891 0.001 0.061 0.347 0.000 0.944 0.240 0.002 0.632 0.647 0.972 0.901	0.000 0.414 0.853 0.000 0.000 0.000 0.479 0.068 0.409 0.000 0.944 0.360 0.001 0.081 0.409 0.000 0.944 0.360 0.0000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.0000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.0000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.0000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.0000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.0000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.0000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.0000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.0000 0.000 0.00	-0.71 -0.03 -0.09 0.01 -0.26 0.03 0.00 -0.02 -0.22 -0.13 -0.04 0.00 -0.02 -0.22 -0.13 -0.04 0.00 -0.02	-0.59 0.18 0.10 0.02 -0.13 0.09 0.03 0.01 -0.03 0.06 -0.09 0.11 0.17 0.01 0.06 0.06 -0.09 0.12 0.16 0.01 0.05 0.05	Fully adjusted model Base model Fully adjusted $(R^2 = .01)$ $(R^2 = .01)$ $(R^2 = .01)$	Female sex Age at MRI Age delta Height Non-European ethnicity BMI (z-score) Parental education Maternal age (Intercept) DBP (z-score) Female sex Age at MRI Age delta Height (Intercept) DBP (z-score) Female sex Age at MRI Age delta Height (Intercept) DBP (z-score) Female sex Age at MRI DBP (z-score) Female sex Age at MRI Age delta Height Age delta Height Non-European ethnicity BMI (z-score) Parental education	-0.65 0.08 0.01 0.02 -0.19 0.06 0.02 -0.16 -0.01 -1.38 0.02 -0.15 0.06 0.01 -1.38	0.03 0.05 0.05 0.00 0.03 0.02 0.01 0.02 0.03 0.06 0.05 0.00 0.69 0.02 0.03 0.06 0.05 0.00	-5.78 3.44 2.21 0.92	151.3 406.3 158.7 117.6 142.4 olume 116.2 99.4 132.5 73.8 103.5 163.6 97.9 108.8 135.9 74.4 104.1 167.1 208.3 106.3 105.3 63.0	0.840 0.000 0.000 0.001 0.029 0.359 0.032 0.269 0.000 0.890 0.212 0.000 0.244 0.000 0.945 0.245 0.001 0.607 0.499 0.890 0.994 0.000 0.945 0.	0.408 0.840 0.000 0.000 0.002 0.044 0.504 0.000 0.945 0.364 0.000 0.065 0.284 0.000 0.945 0.364 0.000 0.485 0.489 0.489 0.984	-0.03 -0.08 0.01 -0.25 0.02 0.00 0.00 -2.67 -0.02 -0.22 -0.13 -0.04 0.00 -0.22 -0.22 -0.13 -0.04 0.00 -0.02	0.18 0.10 0.02 -0.13 0.09 0.03 0.01 -0.12 0.06 -0.09 0.11 0.06 -0.09 0.12 0.16 0.01
Fully adjusted model Base model Fully adj (\mathbb{R}^2 = .01) (\mathbb{R}^2 = .01) (\mathbb{R}^2	Female sex Age at MRI Age delta Height Non-European ethnicity BMI (2-score) Parental education Maternal age (Intercept) SBP (2-score) Female sex Age at MRI Age delta Height (Intercept) SBP (2-score) Female sex Age at MRI Age delta Height Non-European ethnicity BMI (2-score) Parental education Maternal age (Intercapt) SBP (2-score) Female sex Age at MRI Age delta Height (Intercept) SBP (2-score) SBP (2-score) Female sex (Intercapt)	-0.03 -0.65 -0.08 0.01 0.02 -0.19 0.06 0.02 -0.15 -0.01 0.02 -0.15 -0.01 -0.02 -0.15 -0.01 -1.32 0.02 -0.15 0.00 0.01 -1.00 0.00 -0.01 -0.02 -0.15 -0.01 -0.02 -0.15 -0.01 -0.02 -0.15 -0.01 -0.02 -0.15 -0.01 -0.02 -0.15 -0.01 -0.02 -0.15 -0.01 -0.02 -0.15 -0.01 -0.02 -0.15 -0.01 -0.02 -0.15 -0.01 -0.02 -0.15 -0.01 -0.02 -0.14	0.02 0.03 0.05 0.05 0.06 0.00 0.00 0.00 0.00 0.00	-1.96 -21.32 1.49 0.19 6.84 -5.85 3.80 2.23 0.97	189.3 191.5 112.1 108.9 162.8 162.8 191.1 108.9 162.8 191.1 191.1 191.1 197.3 104.8 191.1 197.3 104.8 188.4 191.1 104.8 188.4 191.1 104.8 188.4 191.1 104.8 188.4 191.1 104.8 188.4 191.1 104.8 188.4 191.1 104.8 188.4 191.1 104.8 188.4 191.2 191.3 104.8 188.4 191.3 104.8 188.4 191.3 104.8 188.4 191.3 104.8 188.4 191.3 104.8 188.4 191.3 104.8 188.6 191.3 104.8 191.3	0.051 0.000 0.139 0.853 0.000 0.000 0.028 0.034 0.0274 0.000 0.028 0.001	0.000 0.414 0.853 0.000 0.000 0.479 0.068 0.000 0.001 0.081 0.001 0.081 0.000 0.001 0.	-0.71 -0.03 0.01 -0.26 0.02 -0.02 -0.02 -0.02 -0.13 -0.00 -0	-0.59 0.18 0.10 0.02 -0.13 0.09 0.03 0.01 -0.03 0.06 -0.09 0.05 0.06 0.05 0.05 0.02 0.05 -0.07	Fully adjusted model Base model Fully adjusted $(R^2 = .01)$ $(R^2 = .01)$ $(R^2 = .01)$	Female sex Age at MRI Age delta Height Non-European ethnicity BMI (z-score) Parental education Maternal age (Intercept) DBP (z-score) Female sex Age at MRI Age delta Height (Intercept) DBP (z-score) Female sex Age at MRI Age delta Height (Intercept) DBP (z-score) Female sex Age at MRI Age delta Height Non-European ethnicity BMI (z-score) Parental education Maternal age (Intercept) DBP (z-score) Female sex	-0.65 0.08 0.01 0.02 -0.19 0.06 0.02 0.00 0.02 -0.16 -0.01 -1.38 0.06 0.01 -1.38 0.00 0.01 -1.00 0.01 -0.02 -0.15 0.00 0.01 -0.02 -0.15 0.00 0.01 -0.02 -0.15 0.00 0.01 -0.02	0.03 0.05 0.00 0.03 0.00 0.03 0.00 0.03 0.00 0.00 0.00 0.00 0.00 0.00 0.05 0.00 0.05 0.00 0	-5.78 3.44 2.21 0.92 ntricles v2.17 1.11 -4.49 -0.14 1.26 3.65 -1.99 1.08 -4.49 -0.07 1.17 3.30 -0.52 0.68 -0.02 0.15 o-spinal f -1.71 1.49 -4.10	151.3 406.3 158.7 117.6 142.4 99.4 132.5 103.5 163.6 97.9 108.8 135.9 104.1 167.1 208.3 106.3 106.3 105.3 106.3 10	0.840 0.000 0.001 0.029 0.359 0.032 0.269 0.000 0.949 0.212 0.269 0.000 0.945 0.243 0.000 0.945 0.243 0.000 0.949 0.984 0.984 0.089 0.088	0.408 0.840 0.000 0.000 0.002 0.044 0.504 0.006 0.364 0.006 0.364 0.001 0.364 0.364 0.001 0.364 0.364 0.001 0.364 0.364 0.001 0.364 0.364 0.001 0.364 0.364 0.001 0.364 0.364 0.001 0.364 0.364 0.001 0.364 0.364 0.001 0.364 0.364 0.001 0.364 0.364 0.364 0.364 0.364 0.364 0.364 0.364 0.364 0.364 0.364 0.364 0.364 0.364 0.364 0.499 0.384 0.499 0.384 0.384 0.384 0.384 0.384 0.384 0.384 0.384 0.384 0.384 0.384 0.385 0.384 0.385 0.	-0.03 -0.08 -0.02 -0.02 -0.02 -0.00 -0.00 -0.00 -0.01 -0.04 -0.02 -0.02 -0.04 -0.00	0.18 8.0.10 0.02 0.02 0.03 0.03 0.03 0.03 0.01 0.01 0.05 0.05 0.05 0.02 0.05 0.06 0.06 0.06 0.06 0.06 0.06 0.06
Fully adjusted model Base model Fully adj (\mathbb{R}^2 = .01) (\mathbb{R}^2 = .01) (\mathbb{R}^2	Female sex Age at MRI Age delta Height Non-European ethnicity BMI (2-score) Parental education Maternal age (Intercept) SSP (2-score) Female sex Age at MRI Age delta Height (Intercept) SSP (2-score) Female sex Age at MRI Age delta Height (Intercept) SSP (2-score) Female sex Age at MRI Age delta Height Non-European ethnicity BMI (2-score) Parental education Maternal age (Intercept) SSP (2-score)	-0.03 -0.65 -0.08 0.01 0.02 -0.19 0.06 0.02 -0.15 -0.01 -1.32 0.02 -0.15 -0.01 -1.32 0.02 -0.15 -0.01 -1.30 0.00	0.02 0.03 0.05 0.05 0.05 0.00 0.03 0.02 0.01 0.00 0.02 0.04 0.05 0.00 0.05 0.00 0.05 0.00 0.06 0.05 0.06 0.06	-1.96 -21.32 1.49 0.19 6.84 -5.85 3.80 2.23 0.97	189.3 191.5 112.1 108.9 162.8 401.3 194.4 120.1 120.1 195.6 126.1 141.2 141.2 141.2 141.2 141.2 141.2 141.2 141.2 141.3 104.8 191.1 191.3 104.8 184.4 110.3 104.8 184.4 110.3 104.8 184.4 110.3 104.8 184.4 110.3 104.8 184.4 186.6	0.051 0.000 0.139 0.853 0.000 0.000 0.002 0.334 0.274 0.000 0.891 0.299 0.001 0.347 0.000 0.054	0.000 0.414 0.853 0.000 0.000 0.042 0.479 0.068 0.409 0.944 0.360 0.001 0.001 0.001 0.001 0.001 0.001 0.001 0.0000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.0	-0.71 -0.03 -0.09 -0.01 -0.26 -0.02 -0.02 -0.13 -0.04 -0.02 -0.13 -0.04 -0.02 -0.13 -0.04 -0.02 -0.02 -0.02 -0.03 -0.00	-0.59 0.18 0.10 0.02 -0.13 0.03 0.01 -0.03 0.01 -0.09 0.11 0.06 0.06 0.01 0.06 0.00 0.00 0.00	rodel Fully adjusted model Base model Fully adjusted $(R^2=.01)$ $(R^2=.01)$ $(R^2=.01)$	Female sex Age at MRI Age delta Height Non-European ethnicity BMI (z-score) Parental education Maternal age (Intercept) DBP (z-score) Female sex Age at MRI Age delta Height (Intercept) DBP (z-score) Female sex Age at MRI Age delta Height Non-European ethnicity BMI (z-score) Parental education Maternal age (Intercept) DBP (z-score)	-0.65 0.08 0.01 0.02 -0.19 0.02 0.00 -1.40 0.02 -0.16 -0.16 -0.01 -1.38 0.02 -0.15 -0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.	0.03 0.05 0.00 0.03 0.02 0.01 0.00 0.03 0.06 0.06 0.05 0.00 0.06 0.05 0.00 0.06 0.00 0.00	-5.78 3.44 2.21 0.92 ntricles ve -2.17 1.11 -4.49 -0.14 1.26 3.65 -1.99 1.08 -4.49 -0.07 1.17 3.30 -0.52 0.68 -0.02 0.15 o-spinal f -1.71 1.49	151.3 406.3 158.7 117.6 142.4 blume 116.2 99.4 132.5 73.8 103.5 163.6 97.9 108.8 135.9 74.4 1067.1 208.3 106.3 63.0 1010 (CSF)	0.840 0.000 0.000 0.001 0.029 0.359 0.032 0.269 0.000 0.890 0.212 0.000 0.945 0.243 0.001 0.607 0.499 0.944 0.882	0.408 0.840 0.000 0.000 0.002 0.044 0.504 0.284 0.000 0.945 0.364 0.005 0.284 0.000 0.945 0.364 0.001 0.945 0.364 0.001 0.945 0.364 0.001 0.945 0.364 0.001 0.945 0.364 0.001 0.945 0.364 0.001 0.945 0.364 0.001 0.945 0.364 0.001 0.945 0.364 0.001 0.945 0.364 0.001 0.945 0.001	-0.03 -0.08 -0.01 -0.25 -0.02 -0.00 -0.02 -0.13 -0.04 -0.02 -0.22 -0.13 -0.04 -0.02 -0.23 -0.04 -0.00 -0.00 -0.01 -0.01 -0.01	0.18 8.0 1.00 0.00 0.00 0.00 0.00 0.00 0
adjusted model Base model Fully adj $(R^2 = .01)$ $(R^2 = .01)$ $(R^2 = .01)$	Female sex Age at MRI Age delta Height Non-European ethnicity BMI (2-score) Parental education Maternal age (Intercept) SBP (2-score) Female sex Age at MRI Age delta Height (Intercept) SBP (2-score) Female sex Age at MRI Age delta Height (Intercept) SBP (2-score) Female sex Age at MRI Age delta Height Non-European ethnicity BMI (2-score) Parental education Maternal age (Intercept) SBP (2-score) Female sex Age at MRI Age delta Height Age delta Height Age delta Height	-0.03 -0.65 0.08 0.01 0.02 -0.19 0.06 0.02 -0.15 -0.01 0.06 0.01 -1.32 0.02 -0.15 0.00 0.01 -1.32 -0.15 0.00 -0.15 -0.01 -1.02 -0.15 0.00 -0.01 -0.01 -0.02 -0.15 0.00 0.01 -0.02 -0.14 -0.07 0.09 0.01	0.02 0.03 0.05 0.06 0.00 0.00 0.01 0.02 0.01 0.05 0.05 0.00 0.02 0.04 0.06 0.00 0.00 0.00 0.00 0.00 0.00	-1.96 -21.32 1.49 0.19 6.84 -5.85 3.80 2.23 0.97	189.3 191.5 112.1 108.9 162.8 401.3 194.4 120.1 141.2 101.0 141.2 101.0 141.2 101.0 141.2 101.0 141.2 101.0 141.2 101.0 141.2 141.9 161.0	0.051 0.000 0.139 0.853 0.000 0.000 0.028 0.334 0.001	0.000 0.414 0.000 0.000 0.000 0.479 0.068 0.001 0.409 0.000 0.001 0.081 0.000 0.001 0.	-0.71 -0.03 0.09 0.01 -0.26 0.00 -0.00 -0.02 -0.02 -0.13 -0.04 -0.00 -0.02 -0.02 -0.03 -0.04 -0.00 -0.	-0.59 0.18 0.10 0.02 -0.13 0.09 0.03 0.01 -0.03 0.01 0.06 -0.09 0.11 0.06 0.06 0.05 0.02 0.01 0.02 0.02 0.05 0.02 0.04 0.09 0.04 0.09 0.00	Fully adjusted model Base model Fully adjusted $(R^2 = .01)$ $(R^2 = .01)$ $(R^2 = .01)$	Female sex Age at MRI Age delta Height Non-European ethnicity BMI (z-score) Parental education Maternal age (Intercept) DBP (z-score) Female sex Age at MRI Age delta Height (Intercept) DBP (z-score) Female sex Age at MRI Age delta Height (Intercept) DBP (z-score) Female sex Age at MRI Age delta Height Non-European ethnicity BMI (z-score) Parental education Maternal age (Intercept) DBP (z-score) Female sex Age at MRI Age delta Height Age delta Height Age delta Height Age delta Height Age delta	-0.65 0.08 0.01 0.02 -0.19 0.06 0.02 0.00 0.00 -1.140 0.06 0.01 -1.38 0.06 0.01 -1.38 0.00 0.01 -0.01 0.00 0.01 -0.00 0.01 0.00 0.01 0.00 0.01 0.00 0.00	0.03 0.05 0.00 0.03 0.02 0.01 0.00 0.03 0.06 0.05 0.00 0.05 0.00 0.05 0.00 0.05 0.00 0.05 0.00 0.06 0.05 0.00 0.06 0.00 0.06 0.00 0.06 0.00 0.06 0.00 0.06 0.00 0	-5.78 3.44 2.21 0.92	151.3 406.3 158.7 117.6 117.6	0.840 0.000 0.001 0.022 0.359 0.032 0.269 0.000 0.890 0.002 0.000 0.049 0.284 0.001 0.945 0.001 0.945 0.001 0.945 0.001 0.945 0.001 0.945 0.001 0.945 0.001 0.945 0.001 0.945 0.001 0.945 0.001 0.945 0.001 0.945 0.001 0.945 0.001 0.945 0.001 0.945 0.001 0.945 0.001 0.945 0.001 0.945	0.408 0.840 0.000 0.000 0.002 0.044 0.504 0.284 0.284 0.000 0.945 0.364 0.000 0.945 0.364 0.000 0.945 0.364 0.001 0.728 0.364 0.001 0.728 0.364 0.001 0.364 0.001 0.364 0.001 0.364 0.001 0.364 0.001 0.001 0.364 0.001	-0.03 -0.08 -0.09 -0.01 -0.25 -0.02 -0.00 -0.00 -0.01 -0.27 -0.13 -0.04 -0.02 -0.13 -0.04 -0.00 -0.00 -0.00 -0.01 -0.01 -0.01	0.18 0.10 0.02 0.03 0.09 0.03 0.01 0.06 0.09 0.11 0.17 0.01 0.06 0.09 0.11 0.06 0.09 0.01 0.05 0.05 0.05 0.05 0.05 0.06 0.07 0.01 0.06 0.07 0.07 0.08 0.09 0.
$ \begin{array}{c cccc} Base model & Fully adjusted model & Base model & Fully adjusted model & (R^2=.01) & (R^2=$	Female sex Age at MRI Age delta Height Non-European ethnicity BMI (2-score) Parental education Maternal age (Intercept) SBP (2-score) Female sex Age at MRI Age delta Height (Intercept) SBP (2-score) Female sex Age at MRI Age delta Height Non-European ethnicity BMI (2-score) Parental education Maternal age (Intercept) SBP (2-score) Female sex Age at MRI Age delta Height Non-European ethnicity BMI (2-score) Female sex Age at MRI Age delta	-0.03 -0.65 -0.08 0.01 0.02 -0.19 0.00 -1.31 0.02 -0.15 -0.01 0.06 0.01 -1.32 0.02 -0.15 -0.01 -1.03 0.00 -0.15 -0.01 -1.03 0.00 -0.15 -0.01 -0.02 -0.15 -0.01 -0.02 -0.15 -0.01 -0.02 -0.15 -0.01 -0.02 -0.15 -0.01 -0.02 -0.15 -0.00 -0.00 -0.00 -0.00 -0.00 -0.00 -0.00 -0.00 -0.00 -0.00	0.02 0.03 0.05 0.05 0.05 0.00 0.00 0.02 0.01 0.00 0.02 0.04 0.05 0.00 0.05 0.00 0.06 0.05 0.00 0.06 0.05 0.00 0.06 0.05 0.00 0.06 0.05 0.00 0.06 0.05 0.00 0.06 0.05 0.00 0.06 0.05 0.00 0.06 0.05 0.00 0.06 0.05 0.00 0.06 0.06	-1.96 -21.32 1.49 0.19 6.84 -5.85 3.80 2.23 0.97	189.3 191.5 102.1 108.9 162.8 162.8 191.1 108.9 162.8 192.1 109.1	0.051 0.000 0.139 0.853 0.000 0.000 0.002 0.028 0.334 0.274 0.000 0.891 0.209 0.001 0.347 0.000 0.052	0.000 0.414 0.000 0.000 0.000 0.042 0.479 0.068 0.409 0.944 0.360 0.901 0.001 0.001 0.001 0.002 0.702 0.409 0.000 0.944 0.360 0.000 0.944 0.360 0.0000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.0	-0.71 -0.03 -0.09 -0.01 -0.26 -0.02 -0.02 -0.13 -0.04 -0.02 -0.13 -0.04 -0.02 -0.13 -0.04 -0.02 -0.02 -0.02 -0.02 -0.03 -0.00	-0.59 0.18 0.10 0.02 0.03 0.01 0.09 0.03 0.01 0.06 0.09 0.11 0.06 0.06 0.09 0.12 0.16 0.01 0.01 0.01 0.02 0.02 0.05 0.02 0.05 0.02 0.05 0.02 0.05 0.02 0.05 0.02 0.05 0.02 0.05 0.02 0.05 0.02 0.05 0.05	Fully adjusted model Base model Fully adjusted $(R^2 = .01)$ $(R^2 = .01)$ $(R^2 = .01)$	Female sex Age at MRI Age delta Height Non-European ethnicity BMI (z-score) Parental education Maternal age (Intercept) DBP (z-score) Female sex Age at MRI Age delta Height (Intercept) DBP (z-score) Female sex Age at MRI Age delta Height Non-European ethnicity BMI (z-score) Parental education Maternal age (Intercept) DBP (z-score) Female sex Age at MRI Age delta Age delta Age delta Age delta Age delta Age at MRI Age delta Age at MRI Age delta Age at MRI Age Age at	-0.65 0.08 0.01 0.02 -0.19 0.02 0.00 -1.40 0.02 -0.16 -0.16 -0.01 -1.38 0.02 0.00 0.00 -1.07 0.00 0.00 -1.07 0.00 0.00 -1.07 0.00 0.00 -1.07 0.00	0.03 0.05 0.00 0.03 0.02 0.01 0.00 0.03 0.06 0.06 0.05 0.00 0.06 0.05 0.00 0.06 0.05 0.00 0.04 0.02 0.04 0.02 0.04 0.02 0.04 0.02 0.04 0.02 0.04 0.02 0.04 0.05	-5.78 3.44 2.21 0.92 ntricles w -2.17 1.11 -4.49 -0.14 1.26 3.65 -1.99 1.08 -4.49 -0.07 1.17 3.30 -0.52 0.68 -0.02 0.15 0-spinal f -1.71 1.49 -4.10 -1.33 1.91	151.3 406.3 158.7 117.6 158.7 117.6 158.7 117.6 158.7 117.6 158.7 117.6 158.7 116.2 158.7 158.8	0.840 0.000 0.000 0.001 0.029 0.032 0.269 0.000 0.212 0.000 0.242 0.000 0.049 0.243 0.001 0.946 0.946 0.949 0.980 0.980 0.980 0.980 0.990 0.900	0.408 0.840 0.000 0.000 0.002 0.044 0.504 0.284 0.005 0.945 0.364 0.005 0.284 0.000 0.945 0.364 0.001 0.728 0.364 0.001 0.728 0.499 0.9882 0.000 0.985 0.107 0.107 0.107 0.1000 0.0000 0.00000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.	-0.03 -0.08 -0.08 -0.01 -0.25 -0.02 -0.02 -0.00 -0.00 -0.00 -0.01 -0.04 -0.02 -0.13 -0.04 -0.00 -0.02 -0.13 -0.04 -0.00 -0.01	0.18 8.0.10 0.00 0.00 0.00 0.00 0.00 0.0
$ \begin{array}{c cccc} Base model & Fully adjusted model & Base model & Fully adjusted model & (R^2=.01) & (R^2=$	Female sex Age at MRI Age delta Height Non-European ethnicity BMI (2-score) Parental education Maternal age (Intercept) SBP (2-score) Female sex Age at MRI Age delta Height (Intercept) SBP (2-score) Female sex Age at MRI Age delta Height Non-European ethnicity BMI (2-score) Parental education Maternal age (Intercept) SBP (2-score) Female sex Age at MRI Age delta Height (Intercept) SBP (2-score) Female sex Age at MRI Age delta Height (Intercept) SBP (2-score) Female sex Age at MRI Age delta Height (Intercept) SBP (2-score) Female sex Female sex Female sex Female sex Female sex	-0.03 -0.65 0.08 0.01 0.02 -0.19 0.06 0.02 -0.15 -0.01 0.06 0.01 -1.32 0.02 -0.15 0.00 0.01 -1.32 -0.15 0.00 0.01 -1.02 -0.15 0.00 0.01 -0.02 -0.15 0.00 0.01 -0.02 -0.15 0.00 0.01 -0.02 -0.01 -0.02 -0.14 -0.07 0.09 0.01 -0.95 0.01 -0.95	0.02 0.03 0.05 0.06 0.00 0.00 0.02 0.01 0.06 0.05 0.00 0.02 0.04 0.06 0.02 0.04 0.06 0.00 0.02 0.04 0.06 0.00 0.00 0.00 0.00 0.00 0.00	-1.96 -21.32 1.49 0.19 6.84 -5.85 3.80 2.23 0.97 -2.03 1.10 -4.45 -0.14 1.27 3.38 -1.89 0.95 -4.45 -0.04 0.13 3.16 -0.46 -0.04 0.13 70-spinal f -1.63 0.89 -1.02 1.88 4.76 -1.46 -1.46 -1.46 -1.46 -1.46 -1.46 -2.98	189.3 191.5 112.1 108.9 162.8 401.3 194.4 120.1 141.2 101.0 141.2 101.0 141.2 101.0 141.2 101.0 141.2 101.0 141.2 101.0 141.2 141.9 161.0	0.051 0.000 0.139 0.853 0.000 0.000 0.020 0.021 0.002 0.002 0.002 0.002 0.003 0.002 0.003	0.000 0.414 0.161 0.000 0.000 0.000 0.479 0.000 0.479 0.000 0.944 0.000 0.001 0.001 0.001 0.001 0.001 0.409 0.000 0.002 0.002 0.002 0.002 0.002 0.003 0.001 0.	-0.71 -0.03 0.01 -0.26 0.01 -0.26 -0.02 -0.02 -0.02 -0.02 -0.02 -0.03 -0.04 -0.00 -0	-0.59 0.18 0.10 0.02 -0.13 0.09 0.03 0.01 -0.03 0.01 0.06 -0.09 0.11 0.06 0.06 0.05 0.02 0.01 0.06 0.05 0.02 0.01 0.06 0.05 0.02 0.01 0.06 0.05 0.02 0.03	$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$	Female sex Age at MRI Age delta Height Non-European ethnicity BMI (z-score) Parental education Maternal age (Intercept) DBP (z-score) Female sex Age at MRI Age delta Height (Intercept) DBP (z-score) Female sex Age at MRI Age delta Height Age delta Height One-European ethnicity BMI (z-score) Parental education Maternal age (Intercept) DBP (z-score) Female sex Age at MRI Age delta Height (Intercept) DBP (z-score) Female sex Age at MRI Age delta Height (Intercept) DBP (z-score) Female sex Age at MRI Age delta Height (Intercept) DBP (z-score) Female sex	-0.65 0.08 0.01 0.02 -0.19 0.02 0.00 0.02 -0.16 -0.01 -1.40 0.06 0.01 -1.38 0.02 -0.15 0.00 0.01 -1.07 0.03 -0.00 0.00 -1.07 0.03 0.00 0.01 -0.09 0.00 0.00 0.00 0.00 0.00 0.00 0.0	0.03 0.05 0.00 0.03 0.00 0.03 0.00 0.01 0.00 0.03 0.06 0.05 0.00 0.05 0.00 0.05 0.00 0.06 0.00 0.06 0.00 0.06 0.00 0	-5.78 3.44 2.21 0.92	151.3 406.3 1158.7 117.6 128.7 117.6 128.7	0.840 0.000 0.001 0.022 0.359 0.032 0.269 0.000 0.890 0.002 0.000 0.049 0.284 0.000 0.945 0.001 0.945 0.001 0.945 0.001 0.945 0.001 0.945 0.001 0.949 0.984 0.001 0.188 0.001 0.189 0.000 0.000	0.408 0.840 0.000 0.000 0.002 0.044 0.504 0.284 0.000 0.945 0.364 0.000 0.945 0.364 0.000 0.945 0.384 0.000 0.945 0.	-0.03 -0.08 -0.08 -0.01 -0.25 -0.02 -0.00 -0.00 -0.01 -0.02 -0.13 -0.04 -0.02 -0.13 -0.04 -0.02 -0.13 -0.04 -0.02 -0.13 -0.04 -0.02 -0.13 -0.04 -0.02 -0.01	0.18 0.10 0.02 0.02 0.03 0.01 0.03 0.01 0.06 0.05 0.01 0.06 0.05 0.05 0.02 0.01 0.06 0.05 0.02 0.01 0.05 0.03 0.01 0.01 0.01 0.01 0.01 0.01 0.01
$ \begin{array}{c cccc} Base model & Fully adjusted model & Base model & Fully adjusted model & (R^2=.01) & (R^2=$	Female sex Age at MRI Age delta Height Non-European ethniciby SBP (2-score) Female sex Age at MRI Age delta Height Mit (2-score) Parental education Maternal age (Intercept) SBP (2-score) Female sex Age at MRI Age delta Height (Intercept) SBP (2-score) Female sex Age at MRI Age delta Height (Intercept) SBP (2-score) Parental education Maternal age (Intercept) SBP (2-score) Female sex Age at MRI Age delta Height (Intercept) SBP (2-score) Female sex Age at MRI Age delta Height (Intercept) SBP (2-score) Female sex Age at MRI Age delta Height (Intercept) SBP (2-score) Female sex Age at MRI Age delta	-0.03 -0.65 -0.08 -0.01 -0.02 -0.19 -0.06 -0.02 -0.15 -0.01 -1.32 -0.02 -0.15 -0.01 -1.32 -0.02 -0.15 -0.01 -1.03 -0.02 -0.15 -0.00	0.02 0.03 0.05 0.05 0.05 0.00 0.03 0.02 0.01 0.05 0.02 0.04 0.05 0.00 0.00 0.00 0.00 0.00 0.00	-1.96 -21.32 1.49 0.19 6.84 -5.85 3.80 2.23 0.97 -2.03 1.10 -4.45 -0.14 -1.27 3.38 -1.89 0.95 -4.45 -0.07 -1.18 3.16 -0.48 0.46 -0.04 -0.13 -1.63 0.89 -4.06 -1.32 -1.88 -1.76 -1.46 0.28 -3.98 -1.27	189.3 191.5 112.1 108.9 162.8 162.8 191.1 191.9 195.6 126.1 191.9 195.6 126.1 191.1	0.051 0.000 0.139 0.853 0.000 0.000 0.000 0.028 0.334 0.274 0.000 0.061 0.061 0.061 0.061 0.061 0.070 0.001 0.091 0.001	0.000 0.414 0.000 0.000 0.000 0.000 0.042 0.479 0.068 0.409 0.901 0.001 0.001 0.001 0.002 0.002 0.002 0.003 0.	-0.71 -0.03 -0.09 -0.01 -0.26 -0.02 -0.13 -0.04 -0.02 -0.13 -0.04 -0.02 -0.13 -0.04 -0.02 -0.13 -0.04 -0.02 -0.10 -0.01 -0.01 -0.01 -0.01 -0.01 -0.01	-0.59 0.18 0.10 0.02 -0.13 0.09 0.03 0.01 -0.09 0.11 0.06 0.06 0.06 0.06 0.05 0.05 0.05 0.02 0.01 0.06 0.06 0.06 0.06 0.06 0.06 0.07 0.09 0.09 0.09 0.09 0.09 0.09 0.09	$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$	Female sex Age at MRI Age delta Height Non-European ethnicity BMI (z-score) Parental education Maternal age (Intercept) DBP (z-score) Female sex Age at MRI Age delta Height (Intercept) DBP (z-score) Female sex Age at MRI Age delta Height Age delta Height Age delta Height Intercept) DBP (z-score) Parental education Maternal age (Intercept) DBP (z-score) Female sex Age at MRI Age delta Height (Intercept) DBP (z-score) Female sex Age at MRI Age delta Height (Intercept) DBP (z-score) Female sex Age at MRI Age delta Height (Intercept) DBP (z-score) Female sex Age at MRI Age delta Height (Intercept) DBP (z-score)	-0.65 0.08 0.01 0.02 -0.19 0.02 0.00 -1.40 0.02 0.00 -1.43 0.02 0.01 -1.38 0.02 0.01 -0.15 0.00 0.01 -0.02 0.01 -0.02 0.01 -0.07 0.00 0.00 0.00 0.00 0.00 0.00 0.0	0.03 0.05 0.00 0.03 0.02 0.01 0.00 0.03 0.06 0.05 0.00	5.78 3.44 2.21 0.92 1.11 1.44 9 1.11 1.26 3.65 1.19 1.08 4.49 4.49 4.49 4.49 4.10 1.17 1.17 1.19 5.08 4.10 4.10 4.10 4.10 4.10 4.10 4.10 4.10	151.3 406.3 158.7 117.6 169.8 118.6 169.8	0.840 0.000 0.001 0.001 0.029 0.359 0.289 0.212 0.000 0.212 0.000 0.212 0.000 0.212 0.000 0.380 0.212 0.000 0.380 0.212 0.000 0.380 0.212 0.000 0.380 0.212 0.000 0.380 0.212 0.000 0.380 0.212 0.0000 0.0000 0.0000 0.0	0.408 0.840 0.000 0.000 0.002 0.044 0.504 0.284 0.000 0.945 0.384 0.000 0.945 0.384 0.000 0.945 0.384 0.000 0.945 0.384 0.000 0.945 0.384 0.000 0.945 0.384 0.000 0.945 0.384 0.000 0.945 0.384 0.000 0.945 0.384 0.000 0.945 0.384 0.000 0.945 0.384 0.000 0.945 0.384 0.000 0.945 0.384 0.000 0.945 0.384 0.000 0.945 0.384 0.000 0.945 0.384 0.000 0.945 0.384 0.000 0.945 0.384 0.000 0.945 0.384 0.000 0.945 0.000 0.945 0.0000 0.000 0.00	-0.03 -0.08 -0.08 -0.01 -0.25 -0.02 -0.00 -0.00 -0.00 -0.01 -0.01 -0.01 -0.01 -0.01 -0.01 -0.01 -0.01 -0.01 -0.01 -0.01 -0.01	0.18 0.10 0.02 -0.13 0.09 -0.12 -0.12 -0.16 -0.09 -0.09 0.12 -0.09 0.12 0.16 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.0
$ \begin{array}{c cccc} Base model & Fully adjusted model & Base model & Fully adjusted model & (R^2=.01) & (R^2=$	Female sex Age at MRI Age delta Height Non-European ethnicity BMI (2-score) Parental education Maternal age (Intercept) SBP (2-score) Female sex Age at MRI Age delta Height (Intercept) SBP (2-score) Female sex Age at MRI Age delta Height Age delta Height (Intercept) SBP (2-score) Female sex Age at MRI Age delta Height Non-European ethnicity BMI (2-score) Famale sex Age at MRI Age delta Height Age delta Height (Intercept) SBP (2-score) Female sex Age at MRI Age delta Height (Intercept) SBP (2-score) Female sex Age at MRI Age delta Height Age delta	-0.03 -0.65 0.08 0.01 0.02 -0.19 0.06 0.02 -0.15 -0.01 0.06 0.01 -1.32 0.02 -0.15 0.00 0.01 -1.03 0.02 -0.15 0.00 0.01 -0.01 -0.02 -0.15 0.00 0.01 -0.01 -0.02 -0.14 -0.07 0.09 0.091 -0.95 0.01 -0.07 0.095 0.01	0.02 0.03 0.05 0.06 0.00 0.00 0.02 0.01 0.06 0.05 0.00 0.02 0.04 0.06 0.00 0.02 0.04 0.06 0.00 0.00 0.00 0.00 0.00 0.00	-1.96 -21.32 1.49 0.19 6.84 -5.85 3.80 2.23 0.97 -2.03 1.10 -4.45 -0.14 1.27 3.38 -1.89 0.95 -4.45 -0.04 0.13 3.16 -0.46 -0.04 0.13 -1.63 0.89 -1.63 0.89 -1.63 0.89 -1.63 0.89 -1.63 0.89 -1.63 0.89 -1.63 0.89 -1.27 1.46 0.28	189.3 191.5 112.1 108.9 162.8 401.3 194.4 120.1 141.2 101.0 141.2 101.0 141.2 101.0 141.2 101.0 141.2 101.0 141.2 101.0 141.2 141.9 162.6	0.051 0.000 0.139 0.853 0.000 0.000 0.028 0.037 0.001	0.000 0.414 0.172 0.402 0.403 0.000 0.000 0.042 0.479 0.068 0.001 0.081 0.000 0.001 0.081 0.001 0.081 0.001 0.081 0.001 0.081 0.001 0.081 0.001 0.081 0.001 0.081 0.001 0.001 0.081 0.001 0.081 0.001	-0.71 -0.03 0.00 0.01 -0.26 0.02 -0.02 -0.02 -0.03 -0.04 -0.00 -0.02 -0.04 -0.00 -0.02 -0.13 -0.04 -0.00 -0.02 -0.13 -0.04 -0.00 -0.00 -0.01 -0.18 -0.01 -0.	-0.59 0.18 0.10 0.02 -0.13 0.01 -0.03 0.01 -0.03 0.01 -0.03 0.01 0.06 -0.09 0.12 0.06 0.05 0.02 0.01 0.06 0.05 0.02 0.01 0.06 0.05 0.02 0.01 0.06 0.05 0.02 0.01 0.06 0.05 0.02 0.01 0.06 0.05 0.02 0.01 0.06 0.05 0.02 0.01 0.06 0.05 0.02 0.01 0.06 0.05 0.02 0.06 0.05 0.02 0.06 0.07 0.04 0.09 0.02 0.04 0.09 0.02 0.04 0.09 0.02 0.04 0.09 0.02 0.04 0.09 0.02 0.04 0.09 0.02 0.04 0.09 0.02 0.04 0.09 0.02 0.04 0.09 0.02	quisted model Base model Fully adjusted model Fully adjusted model $(R^2=.01)$ $(R^2=.01)$ $(R^2=.01)$ $(R^2$	Female sex Age at MRI Age delta Height Mon-European ethnicity BMI (z-score) Parental education Maternal age (Intercept) DBP (z-score) Female sex Age at MRI Age delta Height (Intercept) DBP (z-score) Female sex Age at MRI Age delta Height Age delta Height (Intercept) DBP (z-score) Female sex Age at MRI Age delta Height (Intercept) DBP (z-score) Parental education Maternal age (Intercept) DBP (z-score) Female sex Age at MRI Age delta Height (Intercept) DBP (z-score) Female sex Age at MRI Age delta Height (Intercept) DBP (z-score) Female sex Age at MRI Age delta Height	-0.65 0.08 0.01 0.02 -0.19 0.02 0.00 0.00 0.02 -0.16 -0.01 -1.40 0.01 -1.38 0.02 -0.15 0.00 0.01 -1.07 0.03 0.00 0.01 -0.07 0.01 -0.96 0.02	0.03 0.05 0.00 0.03 0.00 0.03 0.00 0.03 0.06 0.00 0.03 0.06 0.05 0.00 0.05 0.00 0.06 0.05 0.00 0.06 0.06	-5.78 3.44 2.21 0.92 ntricles vi -2.17 -1.11 -4.49 -0.14 -1.26 -1.99 -1.08 -4.49 -0.07 -1.17 -3.30 -0.07 -1.17 -1.31 -1.33 -1.41 -1.33 -1.41 -1.33 -1.41 -1.33 -1.41 -1.41 -1.33 -1.41 -1.	151.3 406.3 142.4 142.4 142.4 142.4 142.4 142.4 142.4 142.4 142.4 142.4 142.4 142.4 142.4 142.5 142.4 142.4 142.5 142.4 142.5 16.6 16.6 16.6 16.6 16.6 16.6 16.6 16	0.840 0.000 0.001 0.022 0.359 0.032 0.269 0.000 0.890 0.000 0.444 0.000 0.945 0.001 0.945 0.001 0.945 0.001 0.945 0.001 0.945 0.001 0.945 0.001 0.949 0.984 0.001 0.188 0.001 0.188 0.000 0.189 0.000 0.000 0.189 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.00000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.00000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.00000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.00000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.000000	0.408 0.840 0.000 0.000 0.002 0.044 0.504 0.284 0.000 0.945 0.364 0.000 0.945 0.965 0.	-0.03 -0.08 -0.08 -0.01 -0.25 -0.02 -0.00 -0.00 -0.00 -0.01 -0.02 -0.13 -0.04 -0.02 -0.13 -0.04 -0.02 -0.13 -0.04 -0.02 -0.13 -0.04 -0.02 -0.13 -0.04 -0.02 -0.13 -0.01 -0.11	0.18 0.10 0.02 0.02 0.03 0.03 0.01 -0.12 0.06 0.05 0.01 0.05 0.05 0.05 0.02 0.01 0.06 0.09 0.01 0.06 0.09 0.01 0.06 0.09 0.01 0.01 0.01 0.01 0.01 0.01 0.01
$ \begin{array}{c cccc} Base model & Fully adjusted model & Base model & Fully adjusted model & (R^2=.01) & (R^2=$	Female sex Age at MRI Age delta Height Non-European ethnicity SBP (2-score) Female sex Age at MRI Age delta Height Mit (2-score) Parental education Maternal age (Intercept) SBP (2-score) Female sex Age at MRI Age delta Height Non-European ethnicity SBP (2-score) Female sex Age at MRI Age delta Height Non-European ethnicity SBP (2-score) Female sex Age at MRI Age delta Height (Intercept) SBP (2-score) Female sex Age at MRI Age delta Height (Intercept) SBP (2-score) Female sex Age at MRI Age delta Height (Intercept) SBP (2-score) Female sex Age at MRI Age delta Height (Intercept) SBP (2-score) Female sex Age at MRI Age delta Height Non-European ethnicity	-0.03 -0.65 -0.08 -0.01 -0.02 -0.19 -0.06 -0.02 -0.15 -0.01 -1.32 -0.02 -0.15 -0.01 -1.03 -0.02 -0.15 -0.01 -1.03 -0.02 -0.15 -0.01 -0.02 -0.15 -0.01 -0.02 -0.15 -0.01 -0.02 -0.15 -0.01 -0.02 -0.14 -0.07 -0.09 -0.14 -0.07 -0.09 -0.01 -0.09	0.02 0.03 0.05 0.05 0.00 0.03 0.02 0.01 0.00 0.05 0.02 0.04 0.05 0.00 0.05 0.00 0.05 0.00 0.065 0.00 0.065 0.00 0.00	-1.96 -21.32 1.49 0.19 6.84 -5.85 3.80 2.23 0.97 -2.03 1.10 -4.45 -0.14 1.27 3.38 -1.89 0.95 -4.45 -0.07 -1.18 3.16 -0.48 0.46 -0.04 -0.13 -1.63 0.89 -4.06 -1.32 -1.88 -1.76 -1.46 0.28 -3.98 -1.27 -1.82 4.28 0.38	189.3 191.5 112.1 108.9 162.8 401.3 194.4 120.1 119.9 95.6 126.1 1 19.9 95.6 126.1 1 108.4 191.1	0.051 0.000 0.139 0.853 0.000 0.000 0.002 0.028 0.334 0.274 0.000 0.061 0.354 0.061 0.354 0.061 0.354 0.000 0.054 0.000 0.054 0.000 0.054 0.000 0.054 0.000	0.000 0.414 0.000 0.000 0.000 0.042 0.479 0.068 0.409 0.901 0.081 0.001 0.	-0.71 -0.03 -0.09 -0.01 -0.26 -0.02 -0.13 -0.04 -0.00 -0.02 -0.13 -0.04 -0.02 -0.13 -0.04 -0.02 -0.01 -0.01 -0.01 -0.01 -0.01 -0.01 -0.01 -0.01 -0.01 -0.01	-0.59 0.18 0.10 0.02 -0.13 0.09 0.03 0.01 -0.09 0.11 0.06 0.06 0.06 0.05 0.02 0.01 0.05 -0.07 0.02 0.01 0.06 0.05 0.02 0.01 0.06 0.05 0.02 0.01 0.06 0.05 0.02 0.01 0.06 0.05 0.02 0.01 0.06 0.05 0.07 0.07 0.09 0.09 0.09 0.09 0.09 0.09	adjusted model Base model Fully adjusted model $(R^2=.01)$ $(R^2=.01)$ $(R^2=.01)$ $(R^2=.01)$ $(R^2=.01)$	Female sex Age at MRI Age delta Height Non-European ethnicity BMI (z-score) Parental education Maternal age (Intercept) DBP (z-score) Female sex Age at MRI Age delta Height (Intercept) DBP (z-score) Female sex Age at MRI Age delta Height Age delta Height Non-European ethnicity DBP (z-score) Female sex Age at MRI Age delta Height (Intercept) DBP (z-score) Female sex Age at MRI Age delta Height (Intercept) DBP (z-score) Female sex Age at MRI Age delta Height (Intercept) DBP (z-score) Female sex Age at MRI Age delta Height (Intercept) DBP (z-score) Female sex Age at MRI Age delta Height (Intercept) DBP (z-score) Female sex Age at MRI Age delta	-0.65 0.08 0.01 0.02 -0.19 0.02 0.00 -1.40 0.02 0.00 -1.40 0.01 -1.38 0.02 0.01 -1.38 0.02 0.01 -0.05 0.01 -0.02 0.01 -0.02 0.01 -0.02 0.01 -0.02 0.01 -0.02 0.01 -0.02 0.01 -0.02 0.01 -0.02 0.01 -0.07 0.00 0.00 0.00 0.00 0.00 0.00 0.0	0.03 0.05 0.00 0.03 0.02 0.01 0.00 0.03 0.06 0.05 0.00 0.05 0.00 0.05 0.05 0.00 0.06 0.05 0.00 0.06 0.05 0.00 0.06 0.05 0.00 0.06 0.05 0.00 0.06 0.05 0.00 0.06 0.05 0.00 0.06 0.05 0.00 0.06 0.05 0.00 0.06 0.05 0.00 0.06	5.78 3.44 2.21 0.92 2.17 2.17 2.17 2.17 2.19 1.01 1.26 3.65 3.65 3.65 3.65 3.65 3.65 3.65 3.6	151.3 406.3 142.4 142.4 142.4 142.4 142.4 142.4 142.4 142.4 142.4 142.4 142.4 142.4 142.4 142.5	0.840 0.000 0.000 0.001 0.001 0.032 0.259 0.202 0.284 0.000 0.212 0.000 0.242 0.243 0.001 0.890 0.244 0.000 0.890 0.244 0.000 0.890 0.049 0.890 0.049 0.059 0.001	0.408 0.840 0.000 0.000 0.002 0.044 0.504 0.284 0.000 0.945 0.364 0.000 0.945 0.384 0.000 0.945 0.384 0.000 0.945 0.384 0.000 0.945 0.384 0.000 0.945 0.384 0.000 0.945 0.384 0.000 0.945 0.384 0.000 0.945 0.000 0.945 0.000 0.945 0.000 0.945 0.000 0.945 0.0000 0.0000 0.0	-0.03 -0.08 -0.09 -0.02 -0.00 -0.00 -0.00 -0.00 -0.00 -0.01	0.18 0.10 0.02 -0.13 0.09 -0.13 0.01 -0.12 -0.16 -0.09 0.11 0.16 0.06 0.09 0.12 0.16 0.06 0.09 0.12 0.16 0.06 0.06 0.07 0.04 0.19 0.02 0.01
nodel Base model Fully adjusted model Base model Fully adjusted model ($R^2=.01$) ($R^2=.01$) (R^2	Female sex Age at MRI Age delta Height Non-European ethnicity BMI (2-score) Parental education Maternal age (Intercept) SBP (2-score) Female sex Age at MRI Age delta Height (Intercept) SBP (2-score) Female sex Age at MRI Age delta Height Age delta Height (Intercept) SBP (2-score) Female sex Age at MRI Age delta Height Non-European ethnicity BMI (2-score) Famale sex Age at MRI Age delta Height Age delta Height (Intercept) SBP (2-score) Female sex Age at MRI Age delta Height (Intercept) SBP (2-score) Female sex Age at MRI Age delta Height Age delta	-0.03 -0.65 0.08 0.01 0.02 -0.19 0.06 0.02 -0.15 -0.01 0.06 0.01 -1.32 0.02 -0.15 0.00 0.01 -1.03 0.02 -0.15 0.00 0.01 -0.01 -0.02 -0.15 0.00 0.01 -0.01 -0.02 -0.14 -0.07 0.09 0.091 -0.95 0.01 -0.07 0.095 0.01	0.02 0.03 0.05 0.06 0.00 0.00 0.02 0.01 0.06 0.05 0.00 0.02 0.04 0.06 0.00 0.02 0.04 0.06 0.00 0.00 0.00 0.00 0.00 0.00	-1.96 -21.32 1.49 0.19 6.84 -5.85 3.80 2.23 0.97 -2.03 1.10 -4.45 -0.14 1.27 3.38 -1.89 0.95 -4.45 -0.04 0.13 3.16 -0.46 -0.04 0.13 -1.63 0.89 -1.63 0.89 -1.63 0.89 -1.63 0.89 -1.63 0.89 -1.63 0.89 -1.63 0.89 -1.27 1.46 0.28	189.3 191.5 112.1 108.9 162.8 401.3 194.4 120.1 141.2 101.0 141.2 101.0 141.2 101.0 141.2 101.0 141.2 101.0 141.2 101.0 141.2 141.9 162.6	0.051 0.000 0.139 0.853 0.000 0.000 0.028 0.037 0.001	0.000 0.414 0.172 0.402 0.403 0.000 0.000 0.042 0.479 0.068 0.001 0.081 0.000 0.001 0.081 0.001 0.081 0.001 0.081 0.001 0.081 0.001 0.081 0.001 0.081 0.001 0.081 0.001 0.001 0.081 0.001 0.081 0.001	-0.71 -0.03 0.00 0.01 -0.26 0.02 -0.02 -0.02 -0.03 -0.04 -0.00 -0.02 -0.04 -0.00 -0.02 -0.13 -0.04 -0.00 -0.02 -0.13 -0.04 -0.00 -0.00 -0.01 -0.18 -0.01 -0.	-0.59 0.18 0.10 0.02 -0.13 0.01 -0.03 0.01 -0.03 0.01 -0.03 0.01 0.06 -0.09 0.12 0.06 0.05 0.02 0.01 0.06 0.05 0.02 0.01 0.06 0.05 0.02 0.01 0.06 0.05 0.02 0.01 0.06 0.05 0.02 0.01 0.06 0.05 0.02 0.01 0.06 0.05 0.02 0.01 0.06 0.05 0.02 0.01 0.06 0.05 0.02 0.06 0.05 0.02 0.06 0.07 0.04 0.09 0.02 0.04 0.09 0.02 0.04 0.09 0.02 0.04 0.09 0.02 0.04 0.09 0.02 0.04 0.09 0.02 0.04 0.09 0.02 0.04 0.09 0.02 0.04 0.09 0.02 0.04 0.09 0.02	quisted model Base model Fully adjusted model Fully adjusted model $(R^2=.01)$ $(R^2=.01)$ $(R^2=.01)$ $(R^2$	Female sex Age at MRI Age delta Height Mon-European ethnicity BMI (z-score) Parental education Maternal age (Intercept) DBP (z-score) Female sex Age at MRI Age delta Height (Intercept) DBP (z-score) Female sex Age at MRI Age delta Height Age delta Height (Intercept) DBP (z-score) Female sex Age at MRI Age delta Height (Intercept) DBP (z-score) Parental education Maternal age (Intercept) DBP (z-score) Female sex Age at MRI Age delta Height (Intercept) DBP (z-score) Female sex Age at MRI Age delta Height (Intercept) DBP (z-score) Female sex Age at MRI Age delta Height	-0.65 0.08 0.01 0.02 -0.19 0.02 0.00 0.00 0.02 -0.16 -0.01 -1.40 0.01 -1.38 0.02 -0.15 0.00 0.01 -1.07 0.03 0.00 0.01 -0.07 0.01 -0.96 0.02	0.03 0.05 0.00 0.03 0.00 0.03 0.00 0.03 0.06 0.00 0.03 0.06 0.05 0.00 0.05 0.00 0.06 0.05 0.00 0.06 0.06	-5.78 3.44 2.21 0.92 ntricles vi -2.17 -1.11 -4.49 -0.14 -1.26 -1.99 -1.08 -4.49 -0.07 -1.17 -3.30 -0.07 -1.17 -1.31 -1.33 -1.41 -1.33 -1.41 -1.33 -1.41 -1.33 -1.41 -1.41 -1.33 -1.41 -1.	151.3 406.3 142.4 142.4 142.4 142.4 142.4 142.4 142.4 142.4 142.4 142.4 142.4 142.4 142.4 142.5 142.4 142.4 142.5 142.4 142.5 16.6 16.6 16.6 16.6 16.6 16.6 16.6 16	0.840 0.000 0.001 0.022 0.359 0.032 0.269 0.000 0.890 0.000 0.444 0.000 0.945 0.001 0.945 0.001 0.945 0.001 0.945 0.001 0.945 0.001 0.945 0.001 0.949 0.984 0.001 0.188 0.001 0.188 0.000 0.189 0.000 0.000 0.189 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.00000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.00000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.00000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.00000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.000000	0.408 0.840 0.000 0.000 0.002 0.044 0.504 0.284 0.000 0.945 0.364 0.000 0.945 0.965 0.	-0.03 -0.08 -0.08 -0.01 -0.25 -0.02 -0.00 -0.00 -0.00 -0.01 -0.02 -0.13 -0.04 -0.02 -0.13 -0.04 -0.02 -0.13 -0.04 -0.02 -0.13 -0.04 -0.02 -0.13 -0.04 -0.02 -0.13 -0.01 -0.11	0.18 0.10 0.02 0.02 0.03 0.03 0.01 -0.12 0.06 0.05 0.01 0.05 0.05 0.05 0.02 0.01 0.06 0.09 0.01 0.06 0.09 0.01 0.06 0.09 0.01 0.01 0.01 0.01 0.01 0.01 0.01

^{*} SE= standard error; Df = degrees of freedom; FDR = false discovery rate; LCI = lower limit of the 95% confidence interval; UCI = upper limit of the 95% confidence interval; TIV = Total intracranial volume.

Table S8 - Subcortical brain regions

	Predictor	CAROTID Beta	SE	Statistic	Df	P _{unadjusted}	P _{FDR}	LCI	UCI			Predictor	Beta	SE	STENSIBILI Statistic		unadjusted	P _{FDR}	LCI	UCI
	(Intercept) IMT (z-score)	-3.42 0.03	0.58 0.02	-5.88 1.83	189.4 86.2	0.000	0.000	-4.57 0.00	-2.27 0.07			(Intercept) Distensibility (z-score)	-3.53 0.00	0.57 0.02	-6.18 0.20	219.7	0.000	0.000	-4.66 -0.03	-2.41 0.04
model = .14)	Female sex Age at MRI	-0.08 -0.06	0.03	-2.37 -1.23	158.2 104.5	0.019	0.022	-0.15 -0.17	-0.01 0.04	model	Ē.	Female sex Age at MRI	-0.09 -0.06	0.03	-2.55 -1.21	160.9	0.012	0.014	-0.15 -0.17	-0.02 0.04
Base (R ² =	Age delta Height	0.00	0.05 0.00	0.08 0.50	96.4 84.0	0.933 0.617	0.997 0.785	-0.09 0.00	0.10 0.01	Base (R ² -	٤	Age delta Height	0.00	0.05	0.07 0.74	95.6 88.4	0.941 0.460	0.998 0.644	-0.09 0.00	0.10 0.01
	TIV (Intercept)	0.00 -3.49	0.00	21.71 -5.75	288.2 177.1	0.000	0.000	0.00 -4.69	0.00 -2.29			TIV (Intercept)	0.00 -3.60	0.00	21.83 -6.02	295.7 202.5	0.000	0.000	0.00 -4.77	0.00 -2.42
leb	IMT (z-score) Female sex	0.03 -0.08	0.02	1.88 -2.40	89.7 155.4	0.064 0.017	0.490 0.022	0.00 -0.15	0.07 -0.01	- -		Distensibility (z-score) Female sex	0.00 -0.09	0.02	0.11 -2.57	105.2 158.1	0.911 0.011	0.981 0.014	-0.03 -0.15	0.04 -0.02
y adjusted model (R² = .14)	Age at MRI Age delta	-0.06 0.00 0.00	0.05 0.05 0.00	-1.10 0.00 0.55	101.4 90.7	0.274 0.997 0.584	0.588 0.997 0.785	-0.17 -0.10 0.00	0.05	e adjusted mo	Ē	Age at MRI Age delta	-0.06 0.00 0.00	0.05 0.05 0.00	-1.09 0.00 0.77	100.7 90.1 96.8	0.277 0.998 0.441	0.588 0.998 0.644	-0.17 -0.10	0.05 0.10 0.01
ly adjus (R²=	Height TIV Non-European ethnicity	0.00	0.00	21.17	91.5 257.3 100.4	0.000	0.000 0.926	0.00	0.01 0.00 0.06	ly adjus	٤	Height TIV Non-European ethnicity	0.00	0.00	21.27	259.5 98.8	0.000	0.000	0.00 0.00 -0.09	0.00
Fully	BMI (z-score) Parental education	-0.01 0.00	0.02	-0.47 0.43	84.6 107.4	0.638	0.744	-0.04 -0.01	0.03	Fully		BMI (z-score) Parental education	-0.01 0.00	0.02	-0.40 0.48	80.2 109.7	0.687	0.747	-0.04 -0.01	0.03
	Maternal age	0.00	0.00	-0.19 Amygdala	173.2	0.849	0.991	-0.01	0.01			Maternal age	0.00	0.00	-0.21 Amygdala	172.0	0.836	0.975	-0.01	0.01
el)	(Intercept) IMT (z-score)	-4.87 0.01	0.56 0.02	-8.64 0.67	140.8 91.4	0.000 0.502	0.000 0.879	-5.99 -0.02	-3.76 0.04	- e		(Intercept) Distensibility (z-score)	-4.94 0.01	0.57 0.02	-8.68 0.78	131.0 92.6	0.000 0.435	0.000 0.981	-6.06 -0.02	-3.81 0.05
Base model (R ² = .25)	Female sex Age at MRI	-0.19 -0.03	0.03	-5.57 -0.61 -0.26	104.3 104.7 130.0	0.000 0.542 0.793	0.000 0.876 0.958	-0.25 -0.13 -0.10	-0.12 0.07 0.07	Base model (R² = 25)	ř.	Female sex Age at MRI	-0.19 -0.03 -0.01	0.03 0.05 0.04	-5.57 -0.61	93.5 105.0 133.3	0.000 0.542 0.781	0.000 0.866 0.967	-0.26 -0.13 -0.10	-0.12 0.07 0.07
Ba (F	Age delta Height TIV	-0.01 0.00 0.00	0.04 0.00 0.00	-0.26 -0.15 28.74	60.9 152.0	0.793	0.882 0.000	-0.10 -0.01 0.00	0.07	Bas (R ²	٥	Age delta Height TIV	0.00	0.04	-0.28 0.01 28.78	55.5 151.8	0.781	0.989	-0.10 -0.01 0.00	0.07
	(Intercept) IMT (z-score)	-4.92 0.01	0.59	-8.36 0.72	130.6 92.6	0.000	0.000	-6.09 -0.02	-3.76 0.04			(Intercept) Distensibility (z-score)	-4.99 0.02	0.59	-8.42 0.93	124.8	0.000	0.000	-6.16 -0.02	-3.81 0.05
nodel	Female sex Age at MRI	-0.19 -0.01	0.03 0.05	-5.68 -0.20	104.2 94.8	0.000 0.845	0.000 0.919	-0.26 -0.11	-0.12 0.09	model		Female sex Age at MRI	-0.20 -0.01	0.03	-5.69 -0.20	93.5 95.1	0.000 0.841	0.000 0.915	-0.26 -0.11	-0.13 0.09
y adjusted model (R² = .25)	Age delta Height	-0.03 0.00	0.04	-0.63 -0.61	123.0 60.8	0.528 0.546	0.958 0.785	-0.11 -0.01	0.06	adjusted n	(03:-	Age delta Height	-0.03 0.00	0.04	-0.65 -0.45	126.0 57.4	0.518 0.658	0.967 0.837	-0.11 -0.01	0.06 0.01
ully adj	TIV Non-European ethnicity	0.00 -0.06	0.00 0.04	28.43 -1.69	168.4 126.9	0.000 0.093	0.000 0.326	0.00 -0.13	0.00 0.01	-uliy adj	٤	TIV Non-European ethnicity	0.00 -0.06	0.00 0.04	28.52 -1.69	169.8 134.6	0.000	0.000 0.326	0.00 -0.13	0.00 0.01
H.	BMI (z-score) Parental education	0.02	0.02	1.40 1.07 0.53	85.8 127.2	0.164	0.383	-0.01 -0.01	0.06	L.		BMI (z-score) Parental education	0.03	0.02	1.53 1.08 0.52	84.2 128.8	0.130	0.303	-0.01 -0.01	0.06
	Maternal age (Intercept)	-4.33	0.00	Caudate -7.54	107.2	0.598	0.958	-0.01 -5.46	-3.19			Maternal age (Intercept)	0.00 -4.35	0.00	-7.60	108.0	0.604	0.972	-0.01 -5.48	-3.22
lebc	IMT (z-score) Female sex	0.00 -0.06	0.02	0.25	70.4	0.802 0.083	0.936 0.083	-0.03 -0.13	0.04	model (19)	6	Distensibility (z-score) Female sex	0.01 -0.06	0.02	0.29	118.4 104.2	0.774	0.981 0.078	-0.03 -0.13	0.04
Base model (R ² = .19)	Age at MRI Age delta	-0.07 0.04	0.05 0.04	-1.30 0.89	109.9 129.5	0.197 0.375	0.588 0.958	-0.17 -0.05	0.03	Base mo		Age at MRI Age delta	-0.07 0.04	0.05	-1.30 0.88	110.1 130.5	0.198 0.379	0.588	-0.17 -0.05	0.03
В -	Height TIV	0.00 0.00	0.00 0.00	0.21 25.70	161.5 170.8	0.836 0.000	0.882 0.000	0.00	0.01	8		Height TIV	0.00 0.00	0.00	0.28 25.67	162.8 167.7	0.778 0.000	0.838 0.000	0.00	0.01 0.00
	(Intercept) IMT (z-score)	-4.41 0.01	0.59 0.02	-7.44 0.28	165.0 72.3	0.000 0.778	0.000 0.936	-5.59 -0.03	-3.24 0.04			(Intercept) Distensibility (z-score)	-4.44 0.00	0.59	-7.48 0.15	163.4 112.8	0.000 0.883	0.000 0.981	-5.61 -0.03	-3.26 0.04
adjusted model (R ² = .19)	Female sex Age at MRI	-0.06 -0.06 0.03	0.04 0.05 0.05	-1.86 -1.06 0.70	109.4 100.5 120.9	0.066 0.294 0.488	0.071 0.588 0.958	-0.13 -0.16 -0.06	0.00 0.05 0.12	model	ía l	Female sex Age at MRI	-0.07 -0.06 0.03	0.04 0.05 0.05	-1.87 -1.06 0.69	103.9 100.7 121.0	0.064 0.294 0.490	0.069 0.588 0.967	-0.14 -0.16 -0.06	0.00 0.05 0.12
djusted R² = .1§	Age delta Height TIV	0.00	0.00	0.70 0.23 24.98	120.9 129.1 157.5	0.488 0.816 0.000	0.882 0.000	0.00	0.12 0.01 0.00	adjusted n	<u>"</u>	Age delta Height TIV	0.00	0.00	0.69 0.29 24.94	121.0 133.7 154.2	0.490 0.775 0.000	0.838	0.00	0.12
Fully a	Non-European ethnicity BMI (z-score)	-0.02 -0.01	0.04	-0.59 -0.63	121.1 98.0	0.556 0.533	0.926 0.744	-0.09 -0.04	0.05 0.02	Fully a	5	Non-European ethnicity BMI (z-score)	-0.02 -0.01	0.04	-0.57 -0.58	115.5 92.0	0.567 0.561	0.908	-0.09 -0.04	0.05 0.02
	Parental education Maternal age	0.01	0.01	1.75	135.6 181.1	0.083	0.278 0.952	0.00	0.03			Parental education Maternal age	0.01	0.01	1.76	135.7 182.3	0.081	0.284	0.00	0.03
	(Intercept)	-5.87	0.55	ppocampus -10.63	156.0	0.000	0.000	-6.96	-4.78			(Intercept)	-5.89	0.55	-10.81	171.4	0.000	0.000	-6.97	-4.82
model 26)	IMT (z-score) Female sex	0.01 -0.14	0.02	0.35 -4.70	60.3 183.6	0.726 0.000	0.936 0.000	-0.03 -0.20	0.04 -0.08	model 26)	(0.7	Distensibility (z-score) Female sex	0.00 -0.15	0.02	0.00 -4.74	80.5 184.3	0.998	0.998	-0.03 -0.21	-0.09
Base n (R² =	Age at MRI Age delta	-0.02 0.01 0.00	0.04 0.04 0.00	-0.48 0.25 1.50	198.5 151.4 92.9	0.630 0.804 0.138	0.882 0.958 0.454	-0.11 -0.07 0.00	0.07 0.09 0.01	Base n	ا <u>د</u>	Age at MRI Age delta	-0.02 0.01 0.00	0.04 0.04 0.00	-0.48 0.25 1.53	199.1 152.3 89.7	0.632 0.805 0.129	0.885 0.967 0.324	-0.11 -0.07 0.00	0.07 0.09 0.01
	Height TIV (Intercept)	0.00	0.00	27.32	90.0 143.5	0.000	0.000	0.00	0.00			Height TIV (Intercept)	0.00	0.00	27.36	90.2	0.000	0.000	0.00	0.00
le e	IMT (z-score) Female sex	0.01	0.02	0.36	60.6 190.6	0.720	0.936	-0.03 -0.21	0.04	-		Distensibility (z-score) Female sex	0.00	0.02	0.22	79.3 193.3	0.824	0.981	-0.03 -0.21	0.04
3d mod 26)	Age at MRI Age delta	0.01 -0.01	0.05 0.04	0.11 -0.27	185.0 152.2	0.912 0.785	0.919 0.958	-0.08 -0.09	0.09 0.07	pom pe	6	Age at MRI Age delta	0.01 -0.01	0.05 0.04	0.11 -0.28	184.0 151.1	0.912 0.782	0.915 0.967	-0.08 -0.09	0.09 0.07
/ adjusted model (R² = 26)	Height TIV	0.00	0.00	0.70 27.12	91.7 98.5	0.486 0.000	0.785 0.000	0.00	0.01	adjusted n	i E	Height TIV	0.00	0.00	0.77 27.16	92.2 98.8	0.444 0.000	0.644 0.000	0.00	0.01 0.00
Fully	Non-European ethnicity BMI (z-score)	-0.05 0.04	0.04	-1.32 2.45	114.6	0.190	0.443	-0.12 0.01	0.02	Fully		Non-European ethnicity BMI (z-score)	-0.05 0.04	0.04	-1.31 2.46	116.1	0.194	0.453	-0.12 0.01	0.02
	Parental education Maternal age	0.01 0.01	0.01	1.79 1.65 Pallidum	160.3 109.5	0.076 0.103	0.278 0.721	0.00	0.03			Parental education Maternal age	0.01	0.01	1.81 1.65 Pallidum	164.3 110.0	0.073 0.103	0.284 0.721	0.00	0.03
	(Intercept) IMT (z-score)	-6.37 0.02	0.57	-11.16 1.37	129.5 126.4	0.000 0.174	0.000	-7.50 -0.01	-5.24 0.05	_		(Intercept) Distensibility (z-score)	-6.47 0.01	0.56	-11.47 0.68	140.1 92.1	0.000	0.000	-7.58 -0.02	-5.35 0.04
e model = .25)	Female sex Age	-0.17 -0.01	0.03 0.05	-5.01 -0.19	99.2 178.0	0.000 0.851	0.000 0.919	-0.24 -0.10	-0.10 0.08	e model	'	Female sex Age at MRI	-0.18 -0.01	0.03 0.05	-5.13 -0.18	95.3 176.9	0.000 0.856	0.000 0.915	-0.24 -0.10	-0.11 0.08
Base (R²=	Height	0.03 0.01	0.04 0.00	0.62 3.05	156.0 89.6	0.533 0.003	0.958 0.035	-0.06 0.00	0.11 0.01	Base (R ² :	٤	Age delta Height	0.03 0.01	0.04	0.61 3.28	162.1 89.7	0.541 0.001	0.967 0.014	-0.06 0.00	0.11 0.01
	TIV (Intercept)	0.00 -6.39	0.00	27.56 -10.86	131.2	0.000	0.000	-7.55	-5.22			(Intercept)	0.00 -6.47	0.00	27.66 -11.12	132.2	0.000	0.000	-7.62	-5.32
labo	IMT (z-score) Female sex Age at MRI	-0.17 -0.01	0.02 0.03 0.05	1.31 -4.95 -0.10	125.6 95.0 164.2	0.194 0.000 0.919	0.679 0.000 0.919	-0.01 -0.24 -0.10	0.05 -0.10 0.09	- Japan		Distensibility (z-score) Female sex Age at MRI	0.01 -0.18 -0.01	0.02 0.03 0.05	-5.06 -0.11	85.6 90.9 162.3	0.405 0.000 0.915	0.981 0.000 0.915	-0.02 -0.24 -0.10	0.05 -0.11 0.09
sted m = .25)	Age at MRI Age delta Height	0.02	0.04	0.53 2.86	146.3	0.595	0.958	-0.10 -0.06 0.00	0.09	adjusted m	(3)	Age delta Height	0.02	0.05	0.53	149.8	0.600	0.967 0.014	-0.10 -0.06 0.00	0.09
Fully adjusted model $(R^2 = .25)$	TIV Non-European ethnicity	0.00	0.00	26.69 0.26	117.3 126.9	0.000	0.000	0.00	0.00	Fully adju	٤	TIV Non-European ethnicity	0.00	0.00	26.78	117.7 123.9	0.000	0.000	0.00	0.00
Fu	BMI (z-score) Parental education	0.02 0.01	0.02 0.01	1.24 0.88	76.3 187.1	0.220 0.381	0.385 0.449	-0.01 -0.01	0.06 0.02	2		BMI (z-score) Parental education	0.02 0.01	0.02 0.01	1.35 0.90	72.4 178.1	0.181 0.367	0.317 0.435	-0.01 -0.01	0.06 0.02
	Maternal age	0.00		0.41 Putamen	79.3	0.684	0.958	-0.01	0.01			Maternal age	0.00		0.40 Putamen	79.1	0.694	0.972	-0.01	0.01
= qe	(Intercept) IMT (z-score) Female sex	-4.45 0.01 -0.22	0.70 0.02 0.04	-6.34 0.74 -5.52	57.5 52.2 60.7	0.000 0.463 0.000	0.000 0.879 0.000	-5.86 -0.03 -0.29	-3.05 0.05 -0.14	<u>a</u> -		(Intercept) Distensibility (z-score) Female sex	-4.52 0.01 -0.22	0.70 0.02 0.04	-6.47 0.58 -5.67	58.1 99.5 62.5	0.000 0.566 0.000	0.000 0.981 0.000	-5.92 -0.02 -0.30	-3.12 0.04 -0.14
Base model (R ² = .21)	Age at MRI Age delta	-0.22 -0.06 0.01	0.04 0.05 0.05	-5.52 -1.27 0.32	126.9 104.0	0.000 0.206 0.753	0.000 0.588 0.958	-0.29 -0.16 -0.08	-0.14 0.03 0.10	Base model		Female sex Age at MRI Age delta	-0.22 -0.06 0.01	0.04 0.05 0.05	-5.67 -1.26 0.30	62.5 124.9 101.6	0.000 0.209 0.764	0.000 0.588 0.967	-0.30 -0.16 -0.08	-0.14 0.04 0.10
B _i	Height TIV	0.00	0.00	1.31 24.09	77.9 121.7	0.196 0.000	0.457 0.000	0.00	0.01	BE		Height TIV	0.00	0.00	1.50 24.24	83.9 125.1	0.139	0.324	0.00	0.01 0.00
	(Intercept) IMT (z-score)	-4.51 0.01	0.72	-6.29 0.73	59.9 51.6	0.000	0.000	-5.95 -0.03	-3.08 0.05			(Intercept) Distensibility (z-score)	-4.57 0.01	0.72	-6.39 0.60	59.9 105.6	0.000 0.552	0.000	-6.01 -0.02	-3.14 0.04
model	Female sex Age at MRI	-0.22 -0.06	0.04	-5.49 -1.15	59.4 122.6	0.000 0.254	0.000 0.588	-0.30 -0.15	-0.14 0.04	прош прош		Female sex Age at MRI	-0.22 -0.06	0.04	-5.64 -1.14	61.0 121.3	0.000 0.255	0.000 0.588	-0.30 -0.15	-0.14 0.04
Fully adjusted model $(R^2 = 21)$	Age delta Height	0.01	0.05	0.23 1.21	101.6 88.9	0.821	0.958 0.460	-0.08	0.10	justed n		Age delta Height	0.01	0.05	0.22 1.37	99.4 91.4	0.829 0.175	0.967 0.350	-0.08	0.10
Fully ac (R	TIV Non-European ethnicity BMI (z-score)	0.00 0.00 0.00	0.00 0.04 0.02	23.05 0.03 0.23	102.8 155.5 67.1	0.000 0.973 0.822	0.000 0.973 0.822	0.00 -0.07 -0.03	0.00 0.07 0.04	Fully adju	5	TIV Non-European ethnicity BMI (z-score)	0.00 0.00 0.01	0.00 0.04 0.02	23.14 0.07 0.32	103.9 146.2 71.3	0.000 0.948 0.747	0.000 0.948 0.747	0.00 -0.07 -0.03	0.00 0.07 0.04
	BMI (z-score) Parental education Maternal age	0.00 0.01 0.00	0.02 0.01 0.00	0.23 0.87 0.01	67.1 121.4 130.3	0.822 0.385 0.996	0.822 0.449 0.996	-0.03 -0.01 -0.01	0.04 0.02 0.01			BMI (z-score) Parental education Maternal age	0.01 0.01 0.00	0.02 0.01 0.00	0.32 0.89 0.00	71.3 123.8 130.2	0.747 0.373 0.997	0.747 0.435 0.997	-0.03 -0.01 -0.01	0.04 0.02 0.01
	(Intercept)	-7.11		Thalamus -12.58	76.5	0.000	0.000	-8.23	-5.98			(Intercept)	-7.13		7halamus -12.67	77.2	0.000	0.000	-8.25	-6.01
10del 40)	IMT (z-score) Female sex	0.00 -0.19	0.02 0.03	0.06 -5.52	82.2 63.1	0.951 0.000	0.951 0.000	-0.03 -0.25	0.03 -0.12	model	Ó.	Distensibility (z-score) Female sex	0.01 -0.19	0.02	0.61 -5.60	68.3 64.2	0.547 0.000	0.981 0.000	-0.02 -0.25	0.04 -0.12
Base model (R ² = .40)	Age at MRI Age delta	-0.05 0.05	0.04	-1.22 1.16	101.5	0.225	0.588	-0.14 -0.03	0.03	Base m		Age at MRI Age delta	-0.05 0.05	0.04	-1.23 1.15	101.7	0.223	0.588	-0.14 -0.03	0.03
	Height TIV	0.01	0.00	2.12 32.38	72.3 52.0	0.037	0.173	0.00	0.01			Height TIV	0.01	0.00	2.21 32.46	73.2 52.2	0.030	0.140	0.00	0.01
_	(Intercept) IMT (z-score) Female sex	-7.22 0.00 -0.19	0.56 0.02 0.03	-12.92 0.13 -5.73	92.8 84.2 65.1	0.000 0.894 0.000	0.000 0.951 0.000	-8.33 -0.03 -0.26	-6.11 0.03 -0.13	-		(Intercept) Distensibility (z-score) Female sex	-7.24 0.01 -0.19	0.56 0.02 0.03	-13.03 0.74 -5.84	94.0 66.5 66.8	0.000 0.460 0.000	0.000 0.981 0.000	-8.35 -0.02 -0.26	-6.14 0.04 -0.13
d mode	Age at MRI Age delta	-0.19 -0.03 0.02	0.04	-5.73 -0.58 0.58	102.6 106.4	0.563 0.561	0.876 0.958	-0.26 -0.11 -0.06	0.06 0.10	ed model	ý.	Age at MRI Age delta	-0.19 -0.03 0.02	0.04	-0.59 0.57	102.5 104.4	0.557 0.569	0.866 0.967	-0.26 -0.11 -0.06	0.13 0.06 0.10
Fully adjusted model (R ² = .40)	Height TIV	0.00	0.00	1.41	73.8 53.0	0.162	0.454 0.000	0.00	0.01	adjusted I		Height TIV	0.00	0.00	1.51 31.93	74.9 53.2	0.135 0.000	0.324	0.00	0.01 0.01
Fully	Non-European ethnicity BMI (z-score)	-0.08 0.03	0.03	-2.59 1.82	157.5 118.0	0.010	0.070	-0.14 0.00	-0.02 0.05	Fully		Non-European ethnicity BMI (z-score)	-0.08 0.03	0.03	-2.62 1.91	161.2 114.7	0.010	0.070 0.206	-0.14 0.00	-0.02 0.05
	Parental education Maternal age	0.01 0.00	0.01	1.58 0.83	81.0 136.6	0.119 0.408	0.278 0.952	0.00	0.03			Parental education Maternal age	0.01	0.01	1.56 0.83	79.0 138.2	0.122 0.410	0.285 0.957	0.00	0.03 0.01
* SE=	standard error; Df = degrees of	treedom; F	DR = false	discovery i	rate; LCI =	lower limit	t of the 95%	6 confiden	ce interva	il; UCI = upper limit of th	ne 95% d	contidence interval; TIV = "	Total intrac	ranial volu	me.					

Table S8 - Subcortical brain regions (cont'd)

Г	Predictor	Beta		Statistic	Df	P _{unadiusted}	P _{FDR}	LCI	UCI			Predictor	DIASTO Beta		PRESSUE Statistic	Df i	Punediusted	P _{FDR}	LCI
	(Intercept)	-3.54	0.59	-6.00	182.6	0.000	0.000	-4.70	-2.38			(Intercept)	-3.52	0.58	-6.10	201.3	0.000	0.000	-4.66
del (+	SBP (z-score) Female sex	0.00	0.02	-0.13 -2.53	81.6 164.8	0.896 0.012	0.988	-0.04 -0.15	0.03 -0.02	model 45	4	DBP (z-score) Female sex	0.00	0.02	0.21 -2.54	70.1 156.8	0.832 0.012	0.832 0.014	-0.03 -0.15
Base model (R ² = .14)	Age at MRI Age delta	-0.06 0.00	0.05	-1.21 0.07	103.5 94.5	0.231 0.942	0.580	-0.17 -0.09	0.04 0.10	Base mc	25 1.	Age at MRI Age delta	-0.06 0.00	0.05 0.05	-1.22 0.09	104.1 95.4	0.227 0.931	0.580 0.993	-0.17 -0.09
8 C	Height	0.00	0.00	0.73	83.9	0.470	0.658	0.00	0.01	88.5		Height	0.00	0.00	0.71	87.5	0.480	0.672	0.00
	(Intercept)	-3.58	0.00	21.75 -5.89	284.0 175.6	0.000	0.000	0.00 -4.79	-2.38			(Intercept)	-3.59	0.00	21.68 -5.98	273.8 191.1	0.000	0.000	0.00 -4.77
- Se	SBP (z-score) Female sex	0.00 -0.09	0.02	0.10 -2.58	119.5 163.7	0.922	0.988	-0.03 -0.15	0.04 -0.02	-8		DBP (z-score) Female sex	0.01 -0.09	0.02	0.34 -2.58	82.5 154.2	0.734	0.832 0.014	-0.03 -0.15
/ adjusted model (R ² = .14)	Age at MRI Age delta	-0.06 0.00	0.05 0.05	-1.09 0.01	100.3 89.0	0.276 0.996	0.580 0.996	-0.17 -0.10	0.05 0.10	adjusted model	4	Age at MRI Age delta	-0.06 0.00	0.05	-1.10 0.01	101.1 89.8	0.275 0.993	0.580 0.993	-0.17 -0.10
adjuste	Height TIV	0.00	0.00	0.73 21.20	90.5 250.6	0.468	0.658	0.00	0.01	adjuste	R2 =	Height TIV	0.00	0.00	0.75 21.17	94.6 246.9	0.454	0.672	0.00
Fully	Non-European ethnicity BMI (z-score)	-0.01 -0.01	0.04	-0.28 -0.47	98.4 117.0	0.783 0.643	0.914	-0.09 -0.04	0.07	Fully		Non-European ethnicity BMI (z-score)	-0.01 -0.01	0.04	-0.29 -0.47	98.8 97.0	0.776 0.636	0.905 0.742	-0.09 -0.04
	Parental education Maternal age	0.00	0.01	0.49	110.9 172.6	0.626 0.836	0.626 0.975	-0.01 -0.01	0.02			Parental education Maternal age	0.00	0.01	0.50	109.9 172.7	0.615 0.843	0.615 0.984	-0.01 -0.01
	(Intercept)	-4.90	0.59	Amygdala -8.26	106.8	0.000	0.000	-6.08	-3.73	_		(Intercept)	-4.92		mygdala -8.61	125.6	0.000	0.000	-6.05
g ge	SBP (z-score)	0.00	0.02	0.03	70.3	0.973	0.988	-0.04	0.04	e e	(c)	DBP (z-score)	-0.01	0.02	-0.75	88.2	0.455	0.759	-0.04
se model 2 = .25)	Female sex Age at MRI	-0.19 -0.03	0.03	-5.63 -0.61	104.0 101.6	0.000 0.547	0.000 0.884	-0.26 -0.13	-0.12 0.07	se model		Female sex Age at MRI	-0.19 -0.03	0.03 0.05	-5.57 -0.59	101.9 103.3	0.000 0.558	0.000 0.891	-0.25 -0.13
Base (R² =	Age delta Height	-0.01 0.00	0.04	-0.26 -0.09	124.0 59.3	0.795 0.933	0.971 0.933	-0.10 -0.01	0.07	Base	Œ.	Age delta Height	-0.01 0.00	0.04	-0.29 -0.05	128.4 59.6	0.772 0.963	0.992 0.963	-0.10 -0.01
	TIV (Intercept)	0.00 -4.97	0.00	28.79 -8.16	152.7 108.2	0.000	0.000	0.00 -6.18	-3.76			TIV (Intercept)	0.00 -4.96	0.00	28.90 -8.37	159.0 123.0	0.000	0.000	0.00 -6.13
<u>=</u>	SBP (z-score) Female sex	0.00 -0.19	0.02	-0.18 -5.73	78.4 104.2	0.861	0.988	-0.04 -0.26	0.03 -0.13	9		DBP (z-score) Female sex	-0.01 -0.19	0.02	-0.70 -5.67	97.2 101.7	0.486	0.759	-0.04 -0.26
y adjusted model (R² = .25)	Age at MRI Age delta	-0.01 -0.03	0.05	-0.19 -0.63	93.1 118.7	0.848 0.528	0.925	-0.11 -0.11	0.09	d model	9	Age at MRI Age delta	-0.01 -0.03	0.05	-0.19 -0.65	94.7 122.6	0.850 0.520	0.928 0.992	-0.11 -0.11
djuste	Height TIV	0.00	0.00	-0.50 28.49	59.9 169.7	0.619 0.000	0.788	-0.01 0.00	0.00	adjusted n	Z-2	Height TIV	0.00	0.00	-0.52 28.62	60.7 177.0	0.606	0.771	-0.01 0.00
Fullya	Non-European ethnicity BMI (z-score)	-0.06 0.02	0.04	-1.67 1.43	130.0	0.098	0.343	-0.13 -0.01	0.01	Fullya		Non-European ethnicity BMI (z-score)	-0.06 0.02	0.04	-1.66 1.50	134.2	0.100	0.350	-0.13 -0.01
	Parental education	0.01	0.01	1.07	125.2	0.285	0.448	-0.01	0.02			Parental education	0.01	0.01	1.04	123.1	0.302	0.466	-0.01
	Maternal age (Intercept)	-4.33	0.00	0.53 Caudate -7.60	108.2	0.601	0.967	-0.01	-3.20	<u> </u>	+	Maternal age (Intercept)	-4.33	0.00	0.51 Caudate -7.58	106.8	0.614	0.984	-0.01
<u>a</u> =	SBP (z-score)	0.00	0.02	0.18	188.9	0.859	0.988	-0.03	0.03	<u>=</u> -		DBP (z-score)	0.01	0.02	0.45	90.3	0.656	0.832	-0.03
se model (² = .19)	Female sex Age at MRI	-0.06 -0.07	0.03	-1.78 -1.30	109.9	0.077	0.077	-0.13 -0.17	0.01	se model	2 = .14 24.	Female sex Age at MRI	-0.06 -0.07	0.04	-1.79 -1.31	107.0 110.6	0.076	0.076	-0.13 -0.17
Base (R²=	Age delta Height	0.04	0.04	0.90 0.19	131.8 157.4	0.372 0.847	0.971 0.933	-0.05 0.00	0.13 0.01	Base	Œ	Age delta Height	0.04	0.04 0.00	0.91 0.22	129.8 167.8	0.367 0.827	0.992 0.891	-0.05 0.00
\vdash	TIV (Intercept)	0.00 -4.39	0.00	25.64 -7.46	166.4 178.3	0.000	0.000	0.00 -5.55	0.00 -3.23	-	+	TiV (Intercept)	0.00 -4.43	0.00	25.58 -7.47	163.3 162.6	0.000	0.000	0.00 -5.60
<u>a</u>	SBP (z-score) Female sex	0.01 -0.07	0.02	0.69 -1.92	209.2 108.4	0.489 0.058	0.988 0.062	-0.02 -0.14	0.04	₽		DBP (z-score) Female sex	0.01 -0.07	0.02 0.04	0.70 -1.91	89.1 105.2	0.488 0.058	0.759 0.062	-0.02 -0.14
adjusted model $(R^2 = .19)$	Age at MRI Age delta	-0.06 0.03	0.05	-1.06 0.72	101.5 122.7	0.290	0.580	-0.16 -0.06	0.05 0.12	usted model	(61:	Age at MRI Age delta	-0.06 0.03	0.05	-1.06 0.72	101.6 122.2	0.290	0.580	-0.16 -0.06
adjuste R² = .	Height TIV	0.00	0.00	0.15 24.95	129.5 154.2	0.881	0.933	-0.01 0.00	0.01	adjuste		Height TIV	0.00	0.00	0.25 24.93	129.4 153.2	0.806	0.891	0.00
Fully 8	Non-European ethnicity BMI (z-score)	-0.02 -0.01	0.04	-0.56 -0.79	118.0 103.5	0.574	0.914	-0.09 -0.05	0.05	Fully		Non-European ethnicity BMI (z-score)	-0.02 -0.01	0.04	-0.58 -0.70	114.3 106.4	0.561	0.905	-0.10 -0.04
	Parental education Maternal age	0.01	0.01	1.80	139.0 183.0	0.075	0.276	0.00	0.03			Parental education Maternal age	0.01	0.01	1.80	135.5 179.1	0.074	0.312	0.00
	(Intercept)	-5.92		-1.09 pocampus -10.86	183.2	0.000	0.000	-7.00	-4.85			(Intercept)	-5.92		pocampus -10.91	173.9	0.000	0.000	-6.99
g ge	SBP (z-score)	-0.01	0.02	-0.39	140.4	0.697	0.988	-0.04	0.02	- F	·	DBP (z-score)	-0.02	0.02	-1.46	93.5	0.149	0.556	-0.06
se model 2 = 26)	Female sex Age at MRI	-0.14 -0.02	0.03	-4.73 -0.47	183.9 198.4	0.000	0.000	-0.21 -0.11	-0.08	se model		Female sex Age at MRI	-0.14 -0.02	0.03	-4.71 -0.44	202.5	0.000	0.000	-0.20 -0.11
Base (R²=	Age delta Height	0.01	0.04	0.23 1.64	152.2 107.9	0.817 0.104	0.971 0.329	-0.07 0.00	0.09 0.01	Base (10.2.	Œ	Age delta Height	0.01 0.00	0.04	0.19 1.65	152.5 99.9	0.850 0.103	0.992 0.348	-0.07 0.00
	TIV (Intercept)	0.00 -6.11	0.00 0.57	27.39 -10.75	90.8 161.9	0.000	0.000	0.00 -7.24	0.00 -4.99			TIV (Intercept)	0.00 -6.07	0.00 0.57	27.30 -10.70	90.2 157.7	0.000	0.000	0.00 -7.19
- -	SBP (z-score) Female sex	-0.01 -0.15	0.02	-0.88 -4.82	160.0 191.4	0.381	0.988	-0.05 -0.21	0.02 -0.09	-		DBP (z-score) Female sex	-0.02 -0.15	0.02	-1.42 -4.84	99.3 214.6	0.159	0.556	-0.05 -0.20
3d moc 26)	Age at MRI Age delta	0.01 -0.01	0.05 0.04	0.12 -0.30	183.0 150.3	0.903 0.764	0.925 0.971	-0.08 -0.10	0.10 0.07	ad model	56)	Age at MRI Age delta	0.01 -0.01	0.05	0.13 -0.31	188.9 153.4	0.898 0.758	0.928 0.992	-0.08 -0.10
radjusted model $(R^2 = 26)$	Height TIV	0.00	0.00	0.90 27.12	105.4 98.5	0.370	0.647	0.00	0.01	adjusted m	R2"	Height TIV	0.00	0.00	0.80 27.12	98.0 99.0	0.425	0.672	0.00
Fully	Non-European ethnicity BMI (z-score)	-0.05 0.04	0.04	-1.31 2.61	115.8 141.0	0.192 0.010	0.448	-0.12 0.01	0.02	Fully		Non-European ethnicity BMI (z-score)	-0.05 0.04	0.04	-1.27 2.65	113.7 157.7	0.207	0.483	-0.12 0.01
	Parental education Maternal age	0.01	0.01	1.76 1.65	168.9 109.9	0.079 0.102	0.276 0.714	0.00	0.03			Parental education Maternal age	0.01	0.01	1.71 1.61	162.8 109.9	0.089	0.312	0.00
	(Intercept)	-6.44	0.55	-11.66	174.7	0.000	0.000	-7.53	-5.35			(Intercept)	-6.45	0.57	-11.43	137.0	0.000	0.000	-7.57
model = .25)	SBP (z-score) Female sex	0.00 -0.17	0.01	-0.02 -5.12	257.6 98.9	0.988	0.988	-0.03 -0.24	0.03 -0.11	model	93	DBP (z-score) Female sex	-0.01 -0.17	0.02	-0.74 -5.07	90.2 97.9	0.461	0.759	-0.04 -0.24
Base m (R² = .2	Age at MRI Age delta	-0.01 0.03	0.05	-0.18 0.63	186.3 169.1	0.859 0.532	0.925 0.971	-0.10 -0.06	0.08	ω."	(R ² = .2	Age at MRI Age delta	-0.01 0.03	0.05 0.04	-0.16 0.59	179.2 157.8	0.876 0.554	0.928 0.992	-0.10 -0.06
8 °	Height TIV	0.01	0.00	3.22 27.66	105.0 133.0	0.002	0.021	0.00	0.01	8 7	_	Height TIV	0.01	0.00	3.25 27.70	89.6 135.3	0.002	0.021	0.00
	(Intercept) SBP (z-score)	-6.47 -0.01	0.57	-11.27 -0.45	160.0 239.2	0.000	0.000	-7.60 -0.04	-5.34 0.02			(Intercept) DBP (z-score)	-6.45 -0.01	0.58	-11.06 -0.83	137.9 86.7	0.000	0.000	-7.60 -0.05
le de	Female sex Age at MRI	-0.17 0.00	0.03	-5.03 -0.10	95.5 168.6	0.000	0.000	-0.24 -0.10	-0.10 0.09	Iabo		Female sex Age at MRI	-0.17 0.00	0.03	-4.98 -0.09	93.8 163.6	0.000	0.000	-0.24 -0.10
Fully adjusted model (R ² = .25)	Age delta	0.02	0.04	0.53	156.2	0.599	0.971	-0.06	0.11	adjusted model	.25	Age delta	0.02	0.04	0.52	147.6	0.606	0.992	-0.06
/adjus (R²=	Height TIV	0.01	0.00	3.06 26.86	148.1	0.003	0.021	0.00	0.01	/adjus	R ₂	Height TIV	0.01	0.00	3.04 26.90	138.0 122.5	0.003	0.021	0.00
Ę.	Non-European ethnicity BMI (z-score)	0.01 0.02	0.04	0.32 1.34	126.1 81.7	0.749 0.184	0.914 0.322	-0.06 -0.01	0.08	Fully		Non-European ethnicity BMI (z-score)	0.01 0.02	0.04 0.02	0.34 1.36	125.9 81.1	0.732 0.178	0.905 0.312	-0.06 -0.01
	Parental education Maternal age	0.01 0.00	0.01 0.00	0.88 0.40	165.6 79.1	0.380 0.691	0.448 0.967	-0.01 -0.01	0.02 0.01			Parental education Maternal age	0.01 0.00	0.01 0.00	0.85 0.38	162.4 78.2	0.399 0.707	0.466 0.984	-0.01 -0.01
	(Intercept)	-4.54	0.69	Putamen -6.55	61.3	0.000	0.000	-5.93	-3.16			(Intercept)	-4.51	0.70	-6.48	58.8	0.000	0.000	-5.90
= .21)	SBP (z-score) Female sex	-0.01 -0.22	0.02	-0.47 -5.69	87.4 65.1	0.643	0.988	-0.04 -0.29	0.03 -0.14	model 33	(21)	DBP (z-score) Female sex	0.00 -0.22	0.02	-0.28 -5.69	113.9 64.7	0.780 0.000	0.832	-0.04 -0.29
Base n (R² =	Age at MRI Age delta	-0.06 0.01	0.05 0.05	-1.25 0.30	126.1 103.1	0.212 0.769	0.580 0.971	-0.16 -0.08	0.04 0.10	Base n	(R ² =	Age at MRI Age delta	-0.06 0.01	0.05	-1.26 0.30	127.8 105.2	0.210 0.762	0.580 0.992	-0.16 -0.08
	Height TIV	0.00	0.00	1.49 24.05	80.5 119.6	0.141 0.000	0.329 0.000	0.00	0.01 0.00	["		Height TIV	0.00 0.00	0.00 0.00	1.46 24.01	86.9 119.0	0.149 0.000	0.348 0.000	0.00 0.00
	(Intercept) SBP (z-score)	-4.59 -0.01	0.71 0.02	-6.43 -0.51	61.4 120.0	0.000 0.612	0.000 0.988	-6.01 -0.04	-3.16 0.03			(Intercept) DBP (z-score)	-4.56 0.00	0.71 0.02	-6.38 -0.24	60.1 141.2	0.000 0.814	0.000 0.832	-5.99 -0.03
nodel	Female sex Age at MRI	-0.22 -0.06	0.04 0.05	-5.65 -1.14	63.7 121.6	0.000 0.258	0.000 0.580	-0.29 -0.15	-0.14 0.04	model		Female sex Age at MRI	-0.22 -0.06	0.04 0.05	-5.65 -1.14	63.1 122.2	0.000 0.256	0.000 0.580	-0.30 -0.15
$radjusted model$ ($R^2 = .21$)	Age delta Height	0.01	0.05	0.21	100.5 88.3	0.832	0.971	-0.08	0.10	batsu = 2.2	= 21)	Age delta Height	0.01	0.05	0.22	102.0 94.9	0.825 0.186	0.992	-0.08
y adju	TIV Non-European ethnicity	0.00	0.00	23.00 0.07	101.2 148.8	0.000 0.942	0.000 0.942	0.00 -0.07	0.00	<u>B</u> .0	R ₂	TIV Non-European ethnicity	0.00	0.00	23.03 0.08	101.7 147.6	0.000 0.933	0.000	0.00 -0.07
Fully	BMI (z-score) Parental education	0.01	0.02	0.39	80.2 126.4	0.698	0.698	-0.03 -0.01	0.04	Fully		BMI (z-score) Parental education	0.01	0.02	0.27	72.0 127.8	0.789	0.789	-0.03 -0.01
	Maternal age	0.00	0.00	0.00 Thalamus	130.3	0.999	0.999	-0.01	0.02			Maternal age	0.00	0.00	-0.01	131.1	0.994	0.994	-0.01
	(Intercept) SBP (z-score)	-7.14 -0.01	0.56	-12.80 -0.44	83.3 133.0	0.000	0.000	-8.25 -0.03	-6.03 0.02		T	(Intercept) DBP (z-score)	-7.14 -0.02	0.56	-12.76 -1.80	78.6 140.7	0.000	0.000	-8.26 -0.05
model = .40)	Female sex	-0.19	0.03	-5.51	63.1	0.000	0.000	-0.25	-0.12	model	.40)	Female sex	-0.18	0.03	-5.44	63.0	0.000	0.000	-0.25
Base r (R² =	Age at MRI Age delta	-0.05 0.05	0.04	-1.21 1.14	101.8	0.228	0.580	-0.14 -0.03	0.03	Base r		Age at MRI Age delta	-0.05 0.04	0.04	-1.18 1.09	100.1	0.243	0.580	-0.14 -0.04
	Height TIV	0.01 0.00	0.00	2.16 32.35	70.7 51.8	0.034 0.000	0.159 0.000	0.00	0.01 0.01			Height TIV	0.01 0.00	0.00	2.20 32.26	69.9 51.7	0.031 0.000	0.145 0.000	0.00
	(Intercept) SBP (z-score)	-7.26 -0.01	0.55 0.01	-13.15 -0.65	99.7 161.5	0.000 0.516	0.000 0.988	-8.35 -0.04	-6.16 0.02			(Intercept) DBP (z-score)	-7.23 -0.02	0.55 0.01	-13.04 -1.63	94.9 140.5	0.000 0.106	0.000 0.556	-8.33 -0.05
nodel	Female sex Age at MRI	-0.19 -0.03	0.03 0.04	-5.73 -0.57	65.9 102.2	0.000 0.568	0.000 0.884	-0.26 -0.11	-0.12 0.06	model		Female sex Age at MRI	-0.19 -0.03	0.03 0.04	-5.67 -0.57	65.5 101.3	0.000 0.573	0.000 0.891	-0.26 -0.11
.sted r. = .40)	Age delta Height	0.02	0.04	0.56 1.50	106.7 72.1	0.574 0.137	0.971 0.329	-0.06 0.00	0.10 0.01	r adjusted m	(04:	Age delta Height	0.02 0.00	0.04	0.55 1.48	104.2 72.6	0.586 0.145	0.992 0.348	-0.06 0.00
-ully adjusted model (R ² = .40)	TIV Non-European ethnicity	0.00	0.00	31.80	52.7 164.3	0.000	0.000	0.00	0.01	ly adju	R ²	TIV Non-European ethnicity	0.00	0.00	31.81 -2.57	52.9 162.9	0.000	0.000	0.00
F.	BMI (z-score) Parental education	0.03	0.01	2.00	153.6 78.9	0.047 0.128	0.164	0.00	0.06	Fully		BMI (z-score) Parental education	0.03	0.01	1.97	119.0 77.8	0.051	0.178	0.00
* SE= 0	Maternal age standard error; Df = degrees of f	0.00	0.00	0.83	137.7	0.407	0.950	0.00	0.01	UCI = unner limit of th	the OF	Maternal age	0.00	0.00	0.79	138.8	0.429	0.984	0.00
o⊏= 8	minuaru error, Dr - degrees of t	roouum, Fl	∟ı√ – ıaıse	uiocuvery i	- 310, LUI =	wwe iiiiii	. J. 1110 957	. comaen	oo ii iidi Va	, oo – apper iimit of tr	" in AD,	, communice interval; TIV =	July 11 11 11 11 11 11 11 11 11 11 11 11 11	undi volun	ra.				

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Table S9 - White matter tracts (FA)

Г	Predictor	CAROTII Beta	SE	Statistic	OF I) P _{unadjusted}	P _{FDR}	LCI	UCI			Predictor	Beta	SE :	Statistic		Punedjusted	P _{FDR}	LCI	UCI
	(Intercept)	-1.90	0.78	ulate gyrus -2.45	59.9	0.017	0.034	-3.45	-0.35			(Intercept)	-1.92	0.77	-2.49	60.9	0.016	0.032	-3.46	-0.38
model = .01)	IMT (z-score) Female sex	-0.01 -0.12	0.02	-0.32 -2.94	75.0 81.7	0.750	0.980	-0.05 -0.20	-0.04	nodel	.01	Distensibility (z-score) Female sex	-0.12	0.02	0.86 -2.98	129.1 81.5	0.390	0.591	-0.02 -0.20	-0.04
Base I	Age at MRI Age delta Height	0.09 0.00 0.00	0.06 0.05 0.00	1.56 0.01 -0.19	75.8 179.1 105.8	0.123 0.989 0.854	0.482 0.989 0.992	-0.03 -0.09 -0.01	0.21 0.09 0.01	Base	(R² =	Age at MRI Age delta Height	0.09 0.00 0.00	0.06 0.05 0.00	1.55 0.00 -0.11	75.9 181.9 107.9	0.125 0.999 0.909	0.487 0.999 0.961	-0.03 -0.09 -0.01	0.21 0.09 0.01
	TIV (Intercept)	0.00	0.00	3.44	209.5	0.001	0.001	0.00	0.00			TIV (Intercept)	0.00	0.00	3.44	208.2	0.001	0.001	0.00	0.00
-	IMT (z-score) Female sex	-0.01 -0.12	0.02	-0.37 -2.93	75.8 80.8	0.710	0.980	-0.05 -0.20	0.03	_		Distensibility (z-score) Female sex	0.02	0.02	0.96	123.7 80.8	0.339	0.591	-0.02 -0.20	0.05
d mode	Age at MRI Age delta	0.08	0.06	1.38	74.1 162.1	0.172	0.482	-0.04 -0.09	0.21	d model	2	Age at MRI Age delta	0.08	0.06	1.37	74.3 166.7	0.174 0.873	0.487	-0.04 -0.09	0.21
A adjusted model ($\mathbb{R}^2 = .02$)	Height TIV	0.00	0.00	-0.23 3.46	133.9 215.3	0.821 0.001	0.992 0.001	-0.01 0.00	0.01	adjuste	(R ² = .02)	Height TIV	0.00	0.00	-0.18 3.46	135.8 213.0	0.860 0.001	0.961 0.001	-0.01 0.00	0.01 0.00
Fully	Non-European ethnicity BMI (z-score)	0.01 0.01	0.04 0.02	0.27 0.48	172.9 93.8	0.788 0.636	0.788 0.750	-0.07 -0.03	0.09	Fully		Non-European ethnicity BMI (z-score)	0.01 0.01	0.04	0.23 0.59	164.0 93.2	0.821 0.559	0.821 0.804	-0.07 -0.03	0.09 0.05
	Parental education Maternal age	0.01 -0.01	0.01 0.00	0.61 -1.71	102.6 102.0	0.541 0.090	0.820 0.315	-0.01 -0.01	0.02 0.00			Parental education Maternal age	0.01 -0.01	0.01 0.00	0.59 -1.71	100.3 101.8	0.555 0.090	0.809 0.315	-0.01 -0.01	0.02 0.00
	(Intercept)	-2.23	0.66	-3.36	119.3	0.001	0.003	-3.54	-0.91			(Intercept)	-2.26	0.66	-3.43	123.8	0.001	0.002	-3.56	-0.95
model (10.	IMT (z-score) Female sex Age at MRI	0.01 0.01 0.02	0.02 0.04 0.06	0.49 0.31 0.37	126.3 74.9 80.4	0.625 0.756 0.713	0.980 0.800 0.903	-0.03 -0.07 -0.10	0.04 0.10 0.14	model	(10:	Distensibility (z-score) Female sex Age at MRI	0.00 0.01 0.02	0.02 0.04 0.06	0.04 0.27 0.37	125.6 75.9 80.3	0.968 0.785 0.712	0.968 0.834 0.906	-0.03 -0.07 -0.10	0.04 0.09 0.14
Base (R²=	Age at MRI Age delta Height	-0.02 0.01	0.06	-0.30 2.05	65.6 139.5	0.769	0.989	-0.10 -0.13 0.00	0.10	Base	(R²	Age at MRI Age delta Height	-0.02 0.01	0.06	-0.30 2.07	65.6 126.6	0.769	0.999	-0.10 -0.13 0.00	0.10
	TIV (Intercept)	0.00	0.00	5.78	218.8	0.000	0.000	0.00	0.00			TIV (Intercept)	0.00	0.00	5.79	214.9	0.000	0.000	0.00	0.00
-	IMT (z-score) Female sex	0.01 0.01	0.02 0.04	0.53 0.25	119.4 74.7	0.600	0.980	-0.03 -0.07	0.04	-	<u> </u>	Distensibility (z-score) Female sex	0.00	0.02	0.11 0.21	158.9 75.5	0.916 0.834	0.968 0.834	-0.03 -0.07	0.04 0.09
ad mod	Age at MRI Age delta	0.03	0.06 0.06	0.56 -0.47	77.2 65.6	0.576 0.642	0.871 0.989	-0.09 -0.14	0.16 0.09	lebom be	(10	Age at MRI Age delta	0.03 -0.03	0.06	0.56 -0.47	77.1 65.5	0.576 0.643	0.881 0.999	-0.09 -0.14	0.16 0.09
/adjusted model (R² = .01)	Height TIV	0.01	0.00	1.66 5.50	111.1 219.6	0.100 0.000	0.700 0.000	0.00	0.01	adjuste	adjusied (R² = .01)	Height TIV	0.01 0.00	0.00	1.71 5.52	102.4 216.7	0.091 0.000	0.637 0.000	0.00	0.01 0.00
Fully	Non-European ethnicity BMI (z-score)	-0.04 0.01	0.04 0.02	-1.06 0.54	140.6 58.7	0.292 0.594	0.628 0.750	-0.12 -0.03	0.04 0.05	Fully	L L	Non-European ethnicity BMI (z-score)	-0.04 0.01	0.04	-1.03 0.57	141.3 63.4	0.303 0.574	0.574 0.804	-0.12 -0.03	0.04 0.05
	Parental education Maternal age	0.00 0.00	0.01 0.00	0.23 0.46	149.5 140.5	0.820 0.645	0.820 0.753	-0.01 -0.01	0.02 0.01			Parental education Maternal age	0.00 0.00	0.01 0.00	0.24 0.46	152.7 140.3	0.809 0.648	0.809 0.756	-0.01 -0.01	0.02 0.01
	(Intercept)	-2.28	0.67	-3.42	108.1	0.001	0.003	-3.60	-0.96			(Intercept)	-2.31	0.68	e fasciculu -3.43	100.7	0.001	0.002	-3.65	-0.97
Base model (R ² = .04)	IMT (z-score) Female sex	-0.07	0.02	-0.22 -1.86	98.0 91.4	0.825	0.980	-0.04 -0.15	0.03	nodel	=.04)	Distensibility (z-score) Female sex	-0.08	0.02	-1.91	95.3 91.2	0.352	0.591	-0.02 -0.15	0.05
Base i	Age at MRI Age delta	0.00	0.06	0.04 -0.03	107.8 116.1	0.970	0.970	-0.11 -0.10	0.11	Base	(R² =	Age at MRI Age delta	0.00	0.06	0.03 -0.04	108.4 113.9	0.977	0.977	-0.11 -0.10	0.11
	Height TIV (Intercept)	0.00 0.00 -2.46	0.00 0.00 0.68	0.63 8.61 -3.64	117.6 87.3 121.0	0.529 0.000 0.000	0.992 0.000 0.000	0.00 0.00 -3.80	0.01 0.00 -1.12			Height TIV (Intercept)	0.00 0.00 -2.48	0.00 0.00 0.68	0.73 8.62 -3.66	117.2 86.9 119.0	0.464 0.000 0.000	0.961 0.000 0.000	0.00 0.00 -3.82	0.01 0.00 -1.14
<u>a</u>	IMT (z-score) Female sex	-2.46 0.00 -0.08	0.02	-0.18 -1.92	99.5 92.0	0.861 0.058	0.980	-0.04 -0.15	0.03 0.00	-	5	Distensibility (z-score) Female sex	-2.48 0.02 -0.08	0.02	-3.66 0.87 -1.97	96.0 91.8	0.387 0.052	0.591 0.103	-0.02 -0.15	0.05 0.00
adjusted model (R² = .04)	Age at MRI Age delta	0.02	0.06	0.29 -0.25	112.0 120.5	0.774	0.903	-0.15 -0.09 -0.11	0.13	p mode	(4)	Age at MRI Age delta	0.02	0.06	0.28	112.5 117.8	0.781	0.911	-0.19 -0.09 -0.11	0.00 0.13 0.09
adjuste (R² = .0	Height TIV	0.00	0.00	0.54 8.28	114.1 83.6	0.591	0.992	0.00	0.01	pejnsle	(R ² = .04)	Height TIV	0.00	0.00	0.61 8.28	114.1 83.2	0.542 0.000	0.961	0.00	0.01
Fully	Non-European ethnicity BMI (z-score)	-0.03 0.00	0.04 0.02	-0.74 -0.22	264.3 107.2	0.462 0.825	0.647 0.825	-0.10 -0.04	0.05	Fully 8	ĺ	Non-European ethnicity BMI (z-score)	-0.03 0.00	0.04	-0.77 -0.10	270.5 107.9	0.442 0.919	0.619 0.919	-0.10 -0.04	0.04 0.03
	Parental education Maternal age	0.01 0.00	0.01 0.00	0.64 0.58	118.7 115.3	0.527 0.566	0.820 0.753	-0.01 -0.01	0.02			Parental education Maternal age	0.01 0.00	0.01 0.00	0.63 0.57	119.4 113.0	0.533 0.570	0.809 0.756	-0.01 -0.01	0.02 0.01
	(Intercept)	-0.57	0.63	itudinal faso -0.91	182.1	0.364	0.510	-1.81	0.67			(Intercept)	-0.56	oferior longit 0.63	-0.90	185.7	0.371	0.519	-1.79	0.67
model .01)	IMT (z-score) Female sex	-0.02 0.14	0.02	-0.88 3.62	102.8 111.7	0.382	0.980	-0.05 0.06	0.02	lodel	0.10	Distensibility (z-score) Female sex	0.02 0.14	0.02	0.94 3.64	123.5 117.3	0.352	0.591	-0.02 0.06	0.05 0.21
Base n (R² =	Age at MRI Age delta	0.01	0.05	0.11	142.5 128.5	0.915	0.970	-0.10 -0.05	0.11		(R² =	Age at MRI Age delta	0.01	0.05	0.09	142.1	0.927	0.977	-0.10 -0.05	0.11
	Height TIV	0.00	0.00	-0.38 1.66	119.9	0.708	0.992	-0.01	0.00			Height TIV	0.00	0.00	-0.36 1.63	136.2	0.719	0.961	0.00	0.00
_	(Intercept) IMT (z-score) Female sex	-0.86 -0.02 0.13	0.65 0.02 0.04	-1.32 -0.81 3.53	177.3 103.6 114.1	0.189 0.418 0.001	0.294 0.980 0.007	-2.14 -0.05 0.06	0.43 0.02 0.21	_		(Intercept) Distensibility (z-score) Female sex	-0.84 0.01 0.13	0.65 0.02 0.04	-1.29 0.81 3.56	182.6 126.1 119.6	0.198 0.422 0.001	0.308 0.591 0.007	-2.11 -0.02 0.06	0.44 0.05 0.21
adjusted model $(R^2 = .01)$	Age at MRI Age delta	0.03	0.05	0.49 0.62	167.6 142.9	0.622	0.871	-0.08 -0.07	0.13	d model	()	Age at MRI Age delta	0.03	0.05	0.48 0.61	167.0 141.1	0.629	0.881	-0.08 -0.07	0.13 0.13
djuste R² = .0	Height TIV	0.00	0.00	-0.45 1.35	141.7	0.655	0.992	-0.01 0.00	0.00	djuste	(R ² = .01)	Height TIV	0.00	0.00	-0.47 1.32	162.7 111.1	0.640	0.961	-0.01 0.00	0.00
Fullya	Non-European ethnicity BMI (z-score)	-0.04 -0.01	0.04 0.02	-0.92 -0.47	214.5 165.2	0.359 0.643	0.628 0.750	-0.11 -0.04	0.04	Fully		Non-European ethnicity BMI (z-score)	-0.04 -0.01	0.04	-0.98 -0.37	210.1 164.7	0.328 0.715	0.574 0.834	-0.11 -0.04	0.04 0.03
	Parental education Maternal age	0.01 0.00	0.01 0.00	1.14 0.89	250.7 166.9	0.255 0.377	0.820 0.753	-0.01 0.00	0.02 0.01			Parental education Maternal age	0.01 0.00	0.01 0.00	1.11 0.89	259.0 166.3	0.268 0.375	0.809 0.756	-0.01 0.00	0.02 0.01
	(Intercept)	-2.10	0.66	gitudinal fas -3.18	122.0	0.002	0.005	-3.41	-0.79			(Intercept)	-2.13	uperior longi 0.65	-3.29	139.6	0.001	0.002	-3.41	-0.85
model (10. :	IMT (z-score) Female sex	-0.01 0.05	0.02	-0.58 1.11	184.7 71.8	0.566	0.980	-0.04	0.02	nodel	0.0	Distensibility (z-score) Female sex	0.02	0.02	1.32	132.1 72.2	0.190	0.591	-0.01 -0.04	0.06
Base (R ² =	Age at MRI Age delta	0.06 0.01 0.00	0.06 0.05 0.00	1.11 0.28 0.19	106.5 110.6 96.0	0.269 0.779 0.852	0.535 0.989 0.992	-0.05 -0.09 -0.01	0.17		(R² =	Age at MRI Age delta	0.06 0.01 0.00	0.06 0.05 0.00	1.10 0.26 0.29	106.6 110.8 95.0	0.273 0.794 0.770	0.528 0.999 0.961	-0.05 -0.09 -0.01	0.17 0.11 0.01
	Height TIV (Intercept)	0.00	0.00	4.68	112.0	0.000	0.000	0.00	0.01 0.00 -1.27			Height TIV (Intercept)	0.00	0.00	4.67	111.6	0.000	0.000	0.00	0.00
-	IMT (z-score) Female sex	-0.01 0.04	0.02	-0.47 1.01	185.2 72.8	0.642	0.980	-0.04 -0.04	0.03	_		Distensibility (z-score) Female sex	0.02	0.02	1.13	145.8 73.4	0.261	0.591	-0.02 -0.04	0.05
Fully adjusted model (R ² = .01)	Age at MRI Age delta	0.09	0.06 0.05	1.64 -0.22	102.5 108.7	0.105 0.827	0.482	-0.02 -0.11	0.21	p model	(20	Age at MRI Age delta	0.09 -0.01	0.06 0.05	1.63 -0.24	101.8 108.5	0.107 0.813	0.487 0.999	-0.02 -0.11	0.21
adjuste (R² = .(Height TIV	0.00	0.00	0.10 4.29	104.2 110.8	0.921	0.992	-0.01 0.00	0.01	adjuste	(R ² = .02)	Height TIV	0.00	0.00	0.16 4.28	101.2 110.5	0.874	0.961 0.000	-0.01 0.00	0.01 0.00
Fully	Non-European ethnicity BMI (z-score)	-0.04 -0.01	0.04 0.02	-1.09 -0.74	197.8 97.3	0.276 0.462	0.628 0.750	-0.12 -0.05	0.03	Fully	Í.	Non-European ethnicity BMI (z-score)	-0.04 -0.01	0.04	-1.14 -0.60	200.5 101.7	0.255 0.549	0.574 0.804	-0.12 -0.05	0.03 0.03
	Parental education Maternal age	0.01 0.01	0.01	1.13 2.14	76.3 146.4	0.264 0.034	0.820 0.238	-0.01 0.00	0.03 0.01			Parental education Maternal age	0.01 0.01	0.01	1.10 2.13	75.6 144.9	0.273 0.035	0.809 0.245	-0.01 0.00	0.03 0.01
	(Intercept)	-0.10 0.00	0.74 0.02	-0.14 -0.03	72.5 84.0	0.891	0.891	-1.57 -0.04	1.37			(Intercept) Distensibility (z-score)	-0.14 0.02	0.73 0.02	-0.19 0.90	77.6 181.7	0.850	0.850 0.591	-1.58 -0.02	1.31
Base model (R ² = .01)	IMT (z-score) Female sex	0.08	0.04	2.11	154.5	0.036	0.084	0.01	0.15	model	.01	Female sex	0.07	0.04	2.08	180.7	0.039	0.091	0.00	0.14
Base (R² =	Age at MRI Age delta Height	0.08 -0.05 0.00	0.06 0.06 0.00	1.41 -0.99 -0.94	93.4 74.3 121.1	0.162 0.326 0.348	0.482 0.989 0.992	-0.03 -0.16 -0.01	0.20 0.06 0.00		(R² =	Age at MRI Age delta Height	0.08 -0.06 0.00	0.06 0.06 0.00	1.41 -1.00 -0.84	95.0 74.6 129.3	0.162 0.320 0.403	0.487 0.999 0.961	-0.03 -0.16 -0.01	0.19 0.05 0.00
\vdash	TIV (Intercept)	0.00	0.00	-2.34 -0.20	307.0 77.5	0.020	0.025	0.00	0.00	-	_	TIV (Intercept)	0.00	0.00	-2.33 -0.24	312.4 83.4	0.020	0.025	0.00	0.00
<u>a</u>	IMT (z-score) Female sex	0.00	0.02	-0.07 2.14	85.0 148.6	0.943	0.980	-0.04 0.01	0.04	75	5	Distensibility (z-score) Female sex	0.02	0.02	1.00	163.4 171.8	0.318	0.591	-0.02 0.01	0.05
radjusted model (R² = .01)	Age at MRI Age delta	0.08 -0.06	0.06 0.05	1.42 -1.01	102.2 82.5	0.159 0.314	0.482 0.989	-0.03 -0.16	0.20 0.05	pom p	= .01)	Age at MRI Age delta	0.08 -0.06	0.06 0.05	1.41 -1.03	103.4 82.8	0.160 0.308	0.487 0.999	-0.03 -0.16	0.19 0.05
adjuste (R² = .(Height TIV	0.00	0.00	-1.10 -2.26	135.1 237.2	0.274 0.025	0.992 0.029	-0.01 0.00	0.00	adjuste	(R ² = .(Height TIV	0.00	0.00	-1.02 -2.26	147.0 242.3	0.308 0.025	0.961 0.029	-0.01 0.00	0.00
Fully	Non-European ethnicity BMI (z-score)	0.03	0.04	0.57 0.76	88.2 94.0	0.568	0.663 0.750	-0.06 -0.02	0.11	Fully	Î	Non-European ethnicity BMI (z-score)	0.02	0.04	0.55 0.87	88.6 88.9	0.583	0.680 0.804	-0.06 -0.02	0.11
	Parental education Maternal age	0.00	0.01	0.38 0.63	169.6 93.4	0.707 0.531	0.820 0.753	-0.01 -0.01	0.02 0.01			Parental education Maternal age	0.00	0.01	0.36 0.63	168.4 93.4	0.717 0.533	0.809 0.756	-0.01 -0.01	0.02 0.01
	(Intercept)	-0.13 -0.01	0.67 0.02	or forceps (I -0.19 -0.47	116.6 95.0	0.849	0.891	-1.45 -0.05	1.20	Г		(Intercept) Distensibility (z-score)	-0.14 0.01	0.67 0.02	-0.20 0.69	113.7 67.0	0.841	0.850 0.627	-1.46 -0.03	1.19
Base model (R ² = .01)	IMT (z-score) Female sex Age at MRI	-0.01 -0.04 -0.06	0.02 0.04 0.06	-0.47 -0.87 -1.03	95.0 68.7 123.1	0.640 0.389 0.306	0.980 0.466 0.535	-0.05 -0.12 -0.16	0.03 0.05 0.05	model	.01)	Female sex Age at MRI	-0.04 -0.06	0.02 0.04 0.05	-0.88 -1.04	67.0 65.4 123.7	0.493 0.384 0.302	0.627 0.469 0.528	-0.03 -0.12 -0.16	0.05 0.05 0.05
Base (R²=	Age at MRI Age delta Height	0.01	0.06	0.18	74.8 104.1	0.855	0.989	-0.10 -0.01	0.05	Base	(R ² =	Age at MRI Age delta Height	0.01	0.06	0.18	75.2 101.6	0.862 0.961	0.999 0.961	-0.10 -0.01	0.05 0.12 0.01
\vdash	TIV (Intercept)	0.00	0.00	3.96	132.1	0.000	0.000	0.00	0.00	-	_	TIV (Intercept)	0.00	0.00	3.95	131.9	0.000	0.000	0.00	0.00
- F	IMT (z-score) Female sex	-0.01 -0.04	0.02	-0.48 -0.85	94.9 70.5	0.633 0.399	0.980 0.466	-0.05 -0.12	0.03	-	į.	Distensibility (z-score) Female sex	0.01	0.02	0.52	64.7 67.0	0.608	0.709	-0.03 -0.12	0.05
ed mod 01)	Age at MRI Age delta	-0.06 0.01	0.06 0.06	-1.04 0.21	125.2 77.1	0.299 0.836	0.535 0.989	-0.17 -0.10	0.05 0.12	ed model	.01	Age at MRI Age delta	-0.06 0.01	0.06 0.06	-1.05 0.20	126.5 77.7	0.296 0.841	0.528 0.999	-0.17 -0.10	0.05 0.12
Fully adjusted model (R ² = .01)	Height TIV	0.00	0.00 0.00	0.31 3.95	106.6 119.7	0.759 0.000	0.992 0.000	-0.01 0.00	0.01 0.00	adjuste	(R ² = .(Height TIV	0.00	0.00	0.32 3.94	109.7 119.7	0.753 0.000	0.961 0.000	-0.01 0.00	0.01 0.00
Fully	Non-European ethnicity BMI (z-score)	0.04 -0.02	0.04	1.04	184.0 85.8	0.301 0.234	0.628 0.750	-0.04 -0.06	0.12	Fully	Ê	Non-European ethnicity BMI (z-score)	0.04 -0.02	0.04	1.01 -1.11	194.4 80.7	0.316	0.574 0.804	-0.04 -0.06	0.11
	Parental education Maternal age	0.00	0.01	0.47 0.27	83.5 208.6	0.638	0.820	-0.01 -0.01	0.02	L		Parental education Maternal age	0.00	0.01	0.45 0.27	84.2 203.9	0.652 0.788	0.809 0.788	-0.01 -0.01	0.02 0.01
^ SE= s	tandard error; Df = degrees of	rreedom; F	υκ = talse	uiscovery ra	ne; LCI = lo	wer limit of	tne 95% c	untidence ii	nterval; U	ı = upper limit of	r tne 95	% contidence interval; TIV = "	otal intracr	aniai volume	s.					

Table S9 - White matter tracts (FA) (cont'd)

ļ	Predictor	SYS1 Beta	OLIC BLOO	OD PRESSU	RE (SBP)	Р	P _{FDR}	LCI	UCI		Predictor	DIAST	OLIC BLOO	D PRESSU		Possesses	P _{FDR}	LCI	UCI
	(Intercept)	-1.87	Cing 0.79	gulate gyrus		0.021	0.042	-3.45	-0.29		(Intercept)	-1.90		ulate gyrus		0.016	0.032	-3.43	-0.36
model a.01)	SBP (z-score) Female sex	0.00	0.02	0.12	77.6 80.3	0.908	0.949	-0.04 -0.20	0.04	model = .01)	DBP (z-score)	-0.01 -0.12	0.02	-0.55 -2.88	102.1 80.6	0.585	0.927	-0.05 -0.20	0.03
Base mc (R ² = .0	Age at MRI Age delta	0.09	0.06	1.55	75.1 174.8	0.125	0.482	-0.03 -0.09	0.21	Base mc (R² = .0	Age at MRI Age delta	0.09	0.06	1.57	75.9 181.5	0.120	0.476	-0.03 -0.09	0.21
B (2)	Height	0.00	0.00	-0.25 3.44	119.9	0.800	0.932	-0.01	0.01	BB &	Height	0.00	0.00	-0.21	123.6	0.838	0.961	-0.01	0.01
	TIV (Intercept)	-1.64	0.00	-2.01	212.6 57.2	0.001	0.001	-3.28	-0.01		TIV (Intercept)	-1.64	0.00	-2.03	215.6 58.2	0.001	0.001	-3.26	-0.02
-e	SBP (z-score) Female sex	0.00 -0.12	0.02	-0.06 -2.89	88.8 78.8	0.949 0.005	0.949 0.018	-0.04 -0.20	0.04 -0.04	leb	DBP (z-score) Female sex	-0.01 -0.12	0.02	-0.68 -2.86	115.9 79.6	0.496 0.005	0.927 0.018	-0.05 -0.20	0.02 -0.04
y adjusted model (R² = .02)	Age at MRI Age delta	0.08 0.01	0.06 0.05	1.38 0.17	74.0 162.9	0.172 0.865	0.482 0.988	-0.04 -0.09	0.21 0.10	led model .02)	Age at MRI Age delta	0.09 0.01	0.06 0.05	1.39 0.16	74.1 164.6	0.170 0.876	0.476 0.994	-0.04 -0.09	0.21 0.10
adjust (R² =	Height TIV	0.00	0.00	-0.26 3.45	137.9 219.2	0.796 0.001	0.932 0.001	-0.01 0.00	0.01 0.00	/ adjusted (R ² = .02)	Height TIV	0.00	0.00	-0.26 3.43	154.8 217.3	0.797 0.001	0.961 0.001	-0.01 0.00	0.01 0.00
Fully	Non-European ethnicity BMI (z-score)	0.01	0.04	0.25 0.48	166.1 115.5	0.806 0.632	0.806 0.820	-0.07 -0.03	0.09 0.05	Fully	Non-European ethnicity BMI (z-score)	0.01 0.01	0.04	0.26 0.53	164.0 97.5	0.795 0.596	0.795 0.741	-0.07 -0.03	0.09
	Parental education Maternal age	0.01 -0.01	0.01	0.60 -1.71	99.3 101.8	0.553	0.763 0.318	-0.01 -0.01	0.02		Parental education Maternal age	0.01 -0.01	0.01	0.57 -1.72	106.1 102.0	0.572	0.760	-0.01 -0.01	0.02
	(Intercept)	-2.14	Cortic 0.67	o-spinal trac	t (FA) 121.9	0.002	0.005	-3.45	-0.82		(Intercept)	-2.22	Cortico 0.65	-spinal tra	ct (FA) 127.2	0.001	0.003	-3.52	-0.93
model (10.	SBP (z-score) Female sex	0.02	0.02	1.08	73.1 70.3	0.285 0.828	0.949	-0.02 -0.07	0.06	model01)	DBP (z-score) Female sex	0.02	0.02	1.52	312.0 70.3	0.130	0.910	-0.01 -0.08	0.06
Base mc (R² = .0	Age at MRI Age delta	0.02	0.06	0.35	81.4 66.1	0.730	0.909	-0.10 -0.13	0.14	Base mc (R² = .0	Age at MRI Age delta	0.02	0.06	0.34	81.6 66.1	0.734	0.914	-0.10 -0.13	0.14
8 C	Height TIV	0.01	0.00	1.73	122.9 225.8	0.085	0.932	0.00	0.01	88 C	Height T/V	0.01	0.00	2.05	140.6 214.2	0.042	0.588	0.00	0.01
	(Intercept)	-2.22	0.70	-3.18	110.0	0.002	0.005	-3.60	-0.84		(Intercept)	-2.29	0.69	-3.33	116.2	0.001	0.003	-3.65	-0.93
-e	SBP (z-score) Female sex	0.02	0.02	1.09 0.15	82.4 70.1	0.278 0.882	0.949 0.882	-0.02 -0.08	0.06	model	DBP (z-score) Female sex	0.03 0.01	0.02	1.62 0.14	408.2 70.1	0.107 0.893	0.910 0.893	-0.01 -0.08	0.06
/ adjusted model (R ² = .02)	Age at MRI Age delta	0.03 -0.03	0.06	0.55 -0.43	77.3 65.2	0.583 0.669	0.886 0.988	-0.09 -0.14	0.15 0.09	ed mo	Age at MRI Age delta	0.03 -0.03	0.06	0.55 -0.44	78.0 65.9	0.583 0.664	0.878 0.994	-0.09 -0.14	0.15 0.09
adjust (R² =	Height TIV	0.00	0.00	1.48 5.57	106.2 225.4	0.141 0.000	0.932	0.00	0.01 0.00	adjusted (R ² = .02	Height TIV	0.01	0.00	1.68 5.56	109.0 214.0	0.096	0.672 0.000	0.00	0.01
Fully	Non-European ethnicity BMI (z-score)	-0.04 0.01	0.04	-1.02 0.22	141.2 63.1	0.311 0.831	0.602 0.831	-0.12 -0.04	0.04 0.05	Fully	Non-European ethnicity BMI (z-score)	-0.04 0.01	0.04	-1.06 0.43	140.4 59.9	0.291 0.672	0.579 0.741	-0.12 -0.03	0.04
	Parental education Maternal age	0.00	0.01	0.30 0.45	146.0 139.8	0.763 0.650	0.763 0.758	-0.01 -0.01	0.02 0.01		Parental education Maternal age	0.00	0.01	0.33 0.49	160.8 142.8	0.742 0.623	0.760 0.727	-0.01 -0.01	0.02
	(Intercept)	-2.25	Uncina 0.67	ate fasciculu -3.33	105.9	0.001	0.004	-3.58	-0.91		(Intercept)	-2.25	Uncina 0.66	te fasciculu -3.41	us (FA) 112.4	0.001	0.003	-3.56	-0.94
model	SBP (z-score) Female sex	0.01	0.02	0.24	83.9 84.2	0.813	0.949	-0.03 -0.15	0.04	model	DBP (z-score) Female sex	0.02	0.02	0.82	95.0 84.4	0.414	0.927	-0.02 -0.15	0.05
Base mo (R² = .0	Age at MRI Age delta	0.00	0.06	0.03	105.6	0.975	0.975	-0.13 -0.11 -0.10	0.11	Base mo	Age at MRI Age delta	0.00	0.06	0.01	107.0	0.989	0.989	-0.13 -0.11	0.11
Bž	Height	0.00	0.00	0.54	134.4	0.588	0.932	0.00	0.01	B8	Height	0.00	0.00	0.57	119.8	0.571	0.961	0.00	0.01
	(Intercept)	-2.42	0.00	8.65 -3.58	89.0 123.5	0.000	0.000	-3.76	-1.08		(Intercept)	-2.45	0.00	-3.67	87.2 128.1	0.000	0.000	-3.77	-1.13
e qe	SBP (z-score) Female sex	-0.08	0.02	0.51 -1.90	93.9 85.1	0.614	0.949	-0.03 -0.15	0.05	model	DBP (z-score) Female sex	-0.08	0.02	1.02 -1.94	101.3 85.2	0.310	0.927	-0.02 -0.16	0.05
adjusted model (R² = .04)	Age at MRI Age delta	0.02 -0.01	0.06 0.05	0.28 -0.23	110.2 116.8	0.779 0.816	0.909 0.988	-0.09 -0.11	0.13 0.09	usted mod	Age at MRI Age delta	0.02 -0.01	0.06 0.05	0.28 -0.23	111.5 119.6	0.783 0.823	0.914 0.994	-0.10 -0.11	0.13 0.09
adjust (R² =	Height TIV	0.00	0.00	0.43 8.32	123.8 84.8	0.670 0.000	0.932	0.00	0.01	adjust	Height TIV	0.00	0.00	0.49 8.31	116.0 83.6	0.624	0.961 0.000	0.00	0.01
Fully	Non-European ethnicity BMI (z-score)	-0.03 -0.01	0.04	-0.74 -0.38	269.3 119.4	0.459	0.643 0.820	-0.10 -0.04	0.04 0.03	Fully	Non-European ethnicity BMI (z-score)	-0.03 -0.01	0.04	-0.77 -0.33	269.1 112.9	0.442	0.619 0.741	-0.10 -0.04	0.04
	Parental education Maternal age	0.01 0.00	0.01 0.00	0.66 0.57	122.5 113.7	0.509 0.568	0.763 0.758	-0.01 -0.01	0.02 0.01		Parental education Maternal age	0.01	0.01	0.69	120.7 113.2	0.489 0.551	0.760 0.727	-0.01 -0.01	0.02 0.01
	(Intercept)			itudinal faso		0.454	0.636	-1.72	0.77		(Intercept)			tudinal fas		0.407	0.570	-1.74	0.71
model (10.	SBP (z-score) Female sex	0.01	0.02	0.44	85.5 116.0	0.663	0.949	-0.03 0.07	0.05	model01)	DBP (z-score) Female sex	0.00	0.02	0.11 3.72	77.7 117.4	0.912	0.927	-0.04 0.07	0.04
3ase mo (R² = .0	Age at MRI Age delta	0.01	0.05	0.09 0.97	140.8 123.3	0.930 0.336	0.975 0.988	-0.10 -0.05	0.11 0.15	Base modi (R² = .01)	Age at MRI Age delta	0.01	0.05	0.10	143.9 129.7	0.923	0.989	-0.10 -0.05	0.11
BB a	Height	0.00	0.00	-0.59	142.7	0.555	0.932	-0.01	0.00	BB 4)	Height	0.00	0.00	-0.49	129.5	0.624	0.961	-0.01	0.00
	TIV (Intercept)	0.00 -0.75	0.00	1.63 -1.16	130.0 187.5	0.106 0.249	0.114	0.00 -2.03	0.00 0.53		TIV (Intercept)	0.00 -0.81	0.00	1.61 -1.25	125.2 179.6	0.110	0.118	-2.09	0.00
-e	SBP (z-score) Female sex	0.02	0.02	0.90 3.57	100.1 120.2	0.373	0.949 0.007	-0.02 0.06	0.06 0.21	model	DBP (z-score) Female sex	0.01 0.14	0.02	0.39 3.61	83.5 121.7	0.699	0.927 0.000	-0.03 0.06	0.05 0.21
ed mo .01)	Age at MRI Age delta	0.03	0.05 0.05	0.48 0.65	166.4 136.7	0.633 0.520	0.886 0.988	-0.08 -0.07	0.13 0.13		Age at MRI Age delta	0.03	0.05 0.05	0.49 0.63	166.1 143.0	0.627 0.532	0.878 0.994	-0.08 -0.07	0.13 0.13
adjusted model (R² = .01)	Height TIV	0.00	0.00	-0.72 1.33	170.4 110.4	0.473 0.185	0.932 0.185	-0.01 0.00	0.00	adjusted (R ² = .01	Height TIV	0.00	0.00	-0.56 1.31	156.5 107.5	0.574 0.192	0.961 0.192	-0.01 0.00	0.00
Fully	Non-European ethnicity BMI (z-score)	-0.04 -0.01	0.04 0.02	-0.95 -0.78	212.1 190.7	0.344 0.438	0.602 0.820	-0.11 -0.05	0.04 0.02	Fully	Non-European ethnicity BMI (z-score)	-0.04 -0.01	0.04	-0.98 -0.53	218.3 168.0	0.331 0.598	0.579 0.741	-0.11 -0.04	0.04 0.03
	Parental education Maternal age	0.01	0.01	1.18 0.89	274.5 169.7	0.240	0.763 0.758	-0.01 0.00	0.02 0.01		Parental education Maternal age	0.01	0.01	1.15 0.90	271.0 167.1	0.251 0.368	0.760 0.727	-0.01 0.00	0.02
	(Intercept)	-2.19	uperior Ion 0.66	gitudinal fas -3.33	ciculus (FA 131.5	0.001	0.004	-3.50	-0.89		(Intercept)	-2.08	perior long 0.65	itudinal fas -3.19	132.5	0.002	0.005	-3.37	-0.79
model01)	SBP (z-score) Female sex	-0.02 0.05	0.02	-1.24 1.20	140.9 70.9	0.219 0.234	0.949 0.364	-0.06 -0.03	0.01 0.13	model (101)	DBP (z-score) Female sex	-0.01 0.05	0.02	-0.32 1.16	150.5 71.4	0.746 0.248	0.927 0.386	-0.04 -0.04	0.03 0.13
ase m (R² = .	Age at MRI Age delta	0.06	0.06	1.14 0.23	106.9 109.2	0.258 0.816	0.532 0.988	-0.05 -0.09	0.17 0.11	ase m	Age at MRI Age delta	0.06	0.06	1.12 0.27	107.5 112.2	0.266 0.787	0.532 0.994	-0.05 -0.09	0.17 0.11
m -	Height TIV	0.00	0.00	0.41 4.63	105.3 111.9	0.686	0.932	-0.01 0.00	0.01 0.00	m -	Height TIV	0.00	0.00	0.14 4.65	90.6 112.1	0.888	0.961 0.000	-0.01 0.00	0.01 0.00
	(Intercept) SBP (z-score)	-2.64 -0.01	0.68	-3.89 -0.65	128.7 144.9	0.000 0.515	0.000	-3.99 -0.05	-1.30 0.03		(Intercept) DBP (z-score)	-2.60 0.00	0.67	-3.87 0.12	133.7 129.9	0.000	0.000 0.927	-3.93 -0.03	-1.27 0.04
lebo	Female sex	0.05	0.04	1.08	71.9	0.286	0.400	-0.04 -0.02	0.13	model	Female sex Age at MRI	0.04	0.04	1.04	72.3 102.5	0.304	0.426	-0.04 -0.02	0.13
med m .01)	Age delta	-0.01	0.05	-0.24	107.7	0.809	0.988	-0.11	0.09	m pate (10)	Age delta	-0.01	0.05	-0.22	109.4	0.827	0.994	-0.11	0.09
Fully adjusted model (R² = .01)	Height TIV	0.00	0.00	0.16 4.26	105.0 110.9	0.000	0.000	-0.01 0.00	0.01 0.00	r adjusted n (R² = .01)	Height TIV	0.00	0.00	0.05 4.28	99.4 110.9	0.000	0.000	-0.01 0.00	0.01 0.00
Fully	Non-European ethnicity BMI (z-score)	-0.04 -0.01	0.04 0.02	-1.13 -0.52	203.9 99.5	0.260 0.602	0.602 0.820	-0.12 -0.05	0.03	Fully	Non-European ethnicity BMI (z-score)	-0.04 -0.01	0.04	-1.12 -0.75	195.7 91.2	0.265 0.457	0.579 0.741	-0.12 -0.05	0.03 0.02
	Parental education Maternal age	0.01 0.01	0.01 0.00	1.09 2.14	77.0 145.4	0.281 0.034	0.763 0.238	-0.01 0.00	0.03 0.02		Parental education Maternal age	0.01 0.01	0.01 0.00	1.12 2.14	76.4 145.9	0.266 0.034	0.760 0.238	-0.01 0.00	0.03 0.02
	(Intercept)	-0.13	0.73	or forceps (I -0.17	76.6	0.865	0.896	-1.59	1.34		(Intercept)	-0.12	0.73	or forceps (-0.17	75.4	0.866	0.884	-1.58	1.33
as a	SBP (z-score) Female sex	-0.01 0.08	0.02	-0.24 2.20	75.9 197.8	0.811	0.949 0.068	-0.04 0.01	0.04 0.15	model	DBP (z-score) Female sex	-0.02 0.08	0.02	-0.91 2.24	79.8 192.6	0.367 0.026	0.927 0.061	-0.06 0.01	0.02 0.15
9 g			0.06	1.42 -1.00	93.7 74.4	0.161 0.322	0.482	-0.03 -0.16	0.20 0.06	Base m (R² = .	Age at MRI Age delta	0.08 -0.06	0.06	1.43 -1.03	92.5 75.1	0.155 0.308	0.476 0.994	-0.03 -0.17	0.20
ase model (R² = .01)	Age at MRI Age delta	-0.08	0.06			0.382	0.932 0.025	-0.01 0.00	0.00	ω -	Height TIV	0.00	0.00	-0.90 -2.36	121.8 282.2	0.368 0.019	0.961 0.024	-0.01 0.00	0.00
Base mode (R ² = .01)	Age delta Height	-0.06 0.00	0.06 0.00 0.00	-0.88	135.7 304.6	0.020					(Intercept)	-0.15	0.74	-0.20	81.1	0.839	0.884	-1.63 -0.06	1.32
Base mode (R ² = .01)	Age delta Height TIV (Intercept)	-0.06 0.00 0.00 -0.18	0.00 0.00 0.74	-0.88 -2.34 -0.24	304.6 81.6	0.020 0.808 0.617	0.896	-1.66 -0.05	1.30		DRP (z-score)		0.02		82.4		0.927		
Base (R²=	Age delta Height TIV (Intercept) SBP (z-score) Female sex	-0.06 0.00 0.00 -0.18 -0.01 0.08	0.00 0.00 0.74 0.02 0.04	-0.88 -2.34 -0.24 -0.50 2.25	304.6 81.6 83.7 187.6	0.808 0.617 0.026	0.896 0.949 0.068	-0.05 0.01	0.03 0.15	podel	DBP (z-score) Female sex Age at MRI	-0.02 0.08	0.02 0.04 0.06	-0.99 2.28	82.4 183.5 100.2	0.323 0.024	0.927 0.061 0.476	0.01	0.15
Base (R²=	Age delta Height TrV (Intercept) SBP (z-score) Female sex Age at MRI Age delta	-0.06 0.00 0.00 -0.18 -0.01 0.08 0.08 -0.06	0.00 0.00 0.74 0.02 0.04 0.06 0.05	-0.88 -2.34 -0.24 -0.50 2.25 1.42 -1.03	304.6 81.6 83.7 187.6 102.4 82.6	0.808 0.617 0.026 0.158 0.307	0.896 0.949 0.068 0.482 0.988	-0.05 0.01 -0.03 -0.16	0.03 0.15 0.20 0.05	led model .01)	Female sex Age at MRI Age delta	-0.02 0.08 0.08 -0.06	0.04 0.06 0.05	-0.99 2.28 1.43 -1.04	183.5 100.2 82.3	0.323 0.024 0.157 0.303	0.061 0.476 0.994	0.01 -0.03 -0.16	0.15 0.20 0.05
Base (R²=	Age delta Height TIV (Intercept) SBP (z-score) Female sex Age at MRI Age delta Height TIV	-0.06 0.00 0.00 -0.18 -0.01 0.08 0.08 -0.06 0.00	0.00 0.00 0.74 0.02 0.04 0.06 0.05 0.00	-0.88 -2.34 -0.24 -0.50 2.25 1.42 -1.03 -1.01 -2.28	304.6 81.6 83.7 187.6 102.4 82.6 142.7 235.5	0.808 0.617 0.026 0.158 0.307 0.316 0.024	0.896 0.949 0.068 0.482 0.988 0.932 0.028	-0.05 0.01 -0.03 -0.16 -0.01 0.00	0.03 0.15 0.20 0.05 0.00 0.00	adjusted (R ² = .01)	Female sex Age at MRI Age delta Height TIV	-0.02 0.08 0.08 -0.06 0.00 0.00	0.04 0.06 0.05 0.00 0.00	-0.99 2.28 1.43 -1.04 -1.08 -2.29	183.5 100.2 82.3 141.1 221.8	0.323 0.024 0.157 0.303 0.280 0.023	0.061 0.476 0.994 0.961 0.027	0.01 -0.03 -0.16 -0.01 0.00	0.15 0.20 0.05 0.00 0.00
Fully adjusted model Base mode $(R^2 = .01) \qquad \qquad (R^2 = .01)$	Age delta Height TIV (Intercept) SBP (z-score) Female sex Age at MRI Age delta Height	-0.06 0.00 0.00 -0.18 -0.01 0.08 0.08 -0.06 0.00 0.00 0.02 0.02	0.00 0.00 0.74 0.02 0.04 0.06 0.05 0.00 0.00 0.04 0.02	-0.88 -2.34 -0.24 -0.50 2.25 1.42 -1.03 -1.01 -2.28 0.56 0.90	304.6 81.6 83.7 187.6 102.4 82.6 142.7 235.5 87.9 105.0	0.808 0.617 0.026 0.158 0.307 0.316 0.024 0.575 0.371	0.896 0.949 0.068 0.482 0.988 0.932 0.028 0.671 0.820	-0.05 0.01 -0.03 -0.16 -0.01 0.00 -0.06 -0.02	0.03 0.15 0.20 0.05 0.00	Fully adjusted model $(\mathbb{R}^2=.01)$	Female sex Age at MRI Age delta Height	-0.02 0.08 0.08 -0.06 0.00 0.00 0.00 0.03	0.04 0.06 0.05 0.00 0.00 0.04 0.02	-0.99 2.28 1.43 -1.04 -1.08 -2.29 0.59 0.85	183.5 100.2 82.3 141.1 221.8 91.1 90.3	0.323 0.024 0.157 0.303 0.280 0.023 0.555 0.398	0.061 0.476 0.994 0.961 0.027 0.648 0.741	0.01 -0.03 -0.16 -0.01 0.00 -0.06 -0.02	0.15 0.20 0.05 0.00 0.00 0.11 0.05
Base (R²=	Age delfa Height TIV (Intercept) SBP (z-score) Female sex Age atl MRI Age delfa TIV Non-European ethnicity	-0.06 0.00 0.00 -0.18 -0.01 0.08 0.08 -0.06 0.00 0.00 0.00	0.00 0.00 0.74 0.02 0.04 0.06 0.05 0.00 0.00 0.04 0.02 0.01 0.00	-0.88 -2.34 -0.24 -0.50 2.25 1.42 -1.03 -1.01 -2.28 0.56 0.90 0.34 0.63	304.6 81.6 83.7 187.6 102.4 82.6 142.7 235.5 87.9 105.0 165.5 94.1	0.808 0.617 0.026 0.158 0.307 0.316 0.024 0.575	0.896 0.949 0.068 0.482 0.988 0.932 0.028 0.671	-0.05 0.01 -0.03 -0.16 -0.01 0.00 -0.06	0.03 0.15 0.20 0.05 0.00 0.00 0.11	adjusted (R ² = .01)	Female sex Age at MRI Age delta Height TIV Non-European ethnicity	-0.02 0.08 0.08 -0.06 0.00 0.00 0.03	0.04 0.06 0.05 0.00 0.00 0.04 0.02 0.01	-0.99 2.28 1.43 -1.04 -1.08 -2.29 0.59 0.85 0.31 0.60	183.5 100.2 82.3 141.1 221.8 91.1 90.3 164.1 92.4	0.323 0.024 0.157 0.303 0.280 0.023 0.555	0.061 0.476 0.994 0.961 0.027 0.648	0.01 -0.03 -0.16 -0.01 0.00 -0.06	0.15 0.20 0.05 0.00 0.00 0.11
Base (R²=	Age delta Height TIV (Intercept) SBP (z-score) Female sox Age at MRI Age delta Height TIV Non-European ethnicity BMI (z-score) Parental education	-0.06 0.00 0.00 -0.18 -0.01 0.08 0.08 -0.06 0.00 0.00 0.02 0.02 0.02	0.00 0.00 0.74 0.02 0.04 0.05 0.00 0.00 0.04 0.02 0.01 0.00 Min	-0.88 -2.34 -0.24 -0.50 2.25 1.42 -1.03 -1.01 -2.28 0.56 0.90 0.34 0.63 ior forceps (I	304.6 81.6 83.7 187.6 102.4 82.6 142.7 235.5 87.9 105.0 165.5 94.1 119.5	0.808 0.617 0.026 0.158 0.307 0.316 0.024 0.575 0.371 0.733 0.529	0.896 0.949 0.068 0.482 0.988 0.932 0.028 0.671 0.820 0.763 0.758	-0.05 0.01 -0.03 -0.16 -0.01 0.00 -0.06 -0.02 -0.01 -0.01	0.03 0.15 0.20 0.05 0.00 0.00 0.11 0.06 0.02 0.01	adjusted (R ² = .01)	Female sex Age at MRI Age delta Height TIV Non-European ethnicity BMI (z-score) Parental education Maternal age (Intercept)	-0.02 0.08 0.08 -0.06 0.00 0.00 0.03 0.02 0.00 0.00 -0.10	0.04 0.06 0.05 0.00 0.00 0.04 0.02 0.01 0.00 Mino	-0.99 2.28 1.43 -1.04 -1.08 -2.29 0.59 0.85 0.31 0.60 or forceps (183.5 100.2 82.3 141.1 221.8 91.1 90.3 164.1 92.4 FA)	0.323 0.024 0.157 0.303 0.280 0.023 0.555 0.398 0.760 0.547	0.061 0.476 0.994 0.961 0.027 0.648 0.741 0.760 0.727	0.01 -0.03 -0.16 -0.01 0.00 -0.06 -0.02 -0.01 -0.01	0.15 0.20 0.05 0.00 0.00 0.11 0.05 0.02 0.01
Fully adjusted model Base (R² = .01) (R² =	Age delta Height TIV (Intercept) SBP (z-score) Female sex. Age at MRI Age delta Height TIV Non-European ethnicity BMI (z-score) Parental education Maternal age	-0.06 0.00 -0.18 -0.01 0.08 -0.06 0.00 0.00 0.02 0.02	0.00 0.00 0.74 0.02 0.04 0.05 0.00 0.00 0.04 0.02 0.01	-0.88 -2.34 -0.24 -0.50 -0.50 -2.25 -1.42 -1.03 -1.01 -2.28 -0.56 -0.90 -0.34 -0.63 or forceps (I	304.6 81.6 83.7 187.6 102.4 82.6 142.7 235.5 87.9 105.0 165.5 94.1 119.5 110.8 67.4	0.808 0.617 0.026 0.158 0.307 0.316 0.024 0.575 0.371 0.733 0.529 0.896 0.902 0.407	0.896 0.949 0.068 0.482 0.988 0.932 0.028 0.671 0.820 0.763 0.758	-0.05 0.01 -0.03 -0.16 -0.01 0.00 -0.06 -0.02 -0.01 -0.01	0.03 0.15 0.20 0.05 0.00 0.00 0.11 0.06 0.02 0.01	Fully adjusted (R ² = .01	Female sex Age at MRI Age delta Height TW Non-European ethnicity BMI (z-score) Parental education Maternal age	-0.02 0.08 0.08 -0.06 0.00 0.03 0.02 0.00 0.00 -0.10 0.00 -0.10	0.04 0.06 0.05 0.00 0.00 0.04 0.02 0.01 0.00	-0.99 2.28 1.43 -1.04 -1.08 -2.29 0.59 0.85 0.31 0.60 or forceps (-0.15 0.09 -0.83	183.5 100.2 82.3 141.1 221.8 91.1 90.3 164.1 92.4 FA) 116.2 82.6 66.0	0.323 0.024 0.157 0.303 0.280 0.023 0.555 0.398 0.760 0.547	0.061 0.476 0.994 0.961 0.027 0.648 0.741 0.760 0.727 0.884 0.927	0.01 -0.03 -0.16 -0.01 0.00 -0.06 -0.02 -0.01	0.15 0.20 0.05 0.00 0.00 0.11 0.05 0.02 0.01
01) (R ² = .01) (R ² = .01)	Age delta Height TIV (Intercept) SBP (z-score) Female sex. Age at MRI Ag delta Height TIV Non-European ethnicity BMI (z-score) Parental education Maternal age (Intercept) SBP (z-score)	-0.06 0.00 0.00 -0.18 -0.01 0.08 0.08 -0.06 0.00 0.00 0.02 0.02 0.00 0.00 -0.00	0.00 0.00 0.74 0.02 0.04 0.05 0.00 0.00 0.04 0.02 0.01 0.00 Min 0.67	-0.88 -2.34 -0.24 -0.50 -2.25 -1.42 -1.03 -1.01 -2.28 -0.56 -0.90 -0.34 -0.67 -0.13 -0.12 -0.84 -1.03	304.6 81.6 83.7 187.6 102.4 82.6 142.7 235.5 87.9 105.5 94.1 FA) 119.5 110.8 67.4 122.9	0.808 0.617 0.026 0.158 0.307 0.316 0.024 0.575 0.371 0.733 0.529 0.896 0.902 0.407 0.304	0.896 0.949 0.068 0.482 0.988 0.932 0.028 0.671 0.820 0.763 0.758	-0.05 0.01 -0.03 -0.16 -0.01 0.00 -0.06 -0.02 -0.01 -0.01 -1.41 -0.03	0.03 0.15 0.20 0.05 0.00 0.00 0.11 0.06 0.02 0.01	model Fully adjusted (R² = .01)	Female sex Age at MRI Age delts Height TIV Non-European ethnicity BMI (z-score) Parental education Maternal age (Intercept) DBP (z-score) Female sex Age at MRI	-0.02 0.08 0.08 -0.06 0.00 0.00 0.03 0.02 0.00 0.00 -0.10 -0.00 -0.04 -0.06	0.04 0.06 0.05 0.00 0.00 0.04 0.02 0.01 0.00 Mino 0.67 0.02	-0.99 2.28 1.43 -1.04 -1.08 -2.29 0.59 0.85 0.31 0.60 or forceps (-0.15 0.09	183.5 100.2 82.3 141.1 221.8 91.1 90.3 164.1 92.4 FA) 116.2 82.6	0.323 0.024 0.157 0.303 0.280 0.023 0.555 0.398 0.760 0.547 0.884 0.927 0.410	0.061 0.476 0.994 0.961 0.027 0.648 0.741 0.760 0.727 0.884 0.927 0.485 0.532	0.01 -0.03 -0.16 -0.01 0.00 -0.06 -0.02 -0.01 -0.01	0.15 0.20 0.05 0.00 0.00 0.11 0.05 0.02 0.01
Fully adjusted model Base (R² = .01) (R² =	Age defla Height TIV (Intercept) SBP (z-score) Female sex Age at MRI Age defla Height TV Non-European ethnicity BMI (z-score) Parental education Maternal age (Intercept) SBP (z-score) Female sex Age at MRI Age defla Height	-0.06 0.00 -0.18 -0.01 0.08 -0.06 0.00 0.02 0.02 0.02 0.00 -0.09 -0.09 -0.00 -0.04 -0.06	0.00 0.00 0.74 0.02 0.04 0.06 0.05 0.00 0.04 0.02 0.01 0.00 Mini 0.67 0.02 0.04 0.06 0.06 0.06 0.06	-0.88 -2.34 -0.24 -0.50 -0.25 -1.42 -1.03 -1.01 -2.28 -0.56 -0.90 -0.34 -0.63 or forceps (I -0.13 -0.12 -0.84 -1.03 -0.19 -0.09	304.6 81.6 83.7 187.6 102.4 82.6 142.7 235.5 87.9 105.0 165.5 94.1 110.8 67.4 122.9 74.7 141.9	0.808 0.617 0.026 0.158 0.307 0.316 0.024 0.575 0.371 0.733 0.529 0.896 0.902 0.407 0.304 0.851 0.932	0.896 0.949 0.068 0.482 0.988 0.932 0.671 0.820 0.763 0.758 0.896 0.949 0.475 0.532 0.988 0.932	-0.05 0.01 -0.03 -0.16 -0.01 -0.00 -0.06 -0.02 -0.01 -0.01 -1.41 -0.03 -0.16 -0.10 -0.01	0.03 0.15 0.20 0.05 0.00 0.01 0.02 0.01 1.24 0.04 0.05 0.02 0.01	Fully adjusted (R ² = .01	Female sex Age at MRI Age deta Height TIV Non-European ethnicity BMI (z-socre) Parental education Matemati age (Intercept) DBP (z-socre) Female sex Age at MRI Age deta Height	-0.02 0.08 0.08 -0.06 0.00 0.00 0.02 0.00 0.00 -0.10 0.00 -0.04 -0.04	0.04 0.06 0.05 0.00 0.00 0.04 0.02 0.01 0.00 Minc 0.67 0.02 0.04 0.06 0.06	-0.99 2.28 1.43 -1.04 -1.08 -2.29 0.59 0.85 0.31 0.60 or forceps (-0.15 0.09 -0.83 -1.03 0.19 -0.06	183.5 100.2 82.3 141.1 221.8 91.1 90.3 164.1 92.4 FA) 116.2 82.6 66.0 122.7 74.0	0.323 0.024 0.157 0.303 0.280 0.023 0.555 0.398 0.760 0.547 0.884 0.927 0.410 0.304 0.852	0.061 0.476 0.994 0.961 0.027 0.648 0.741 0.760 0.727 0.884 0.927 0.485 0.532 0.994 0.961	0.01 -0.03 -0.16 -0.01 0.00 -0.06 -0.02 -0.01 -0.01 -1.42 -0.04 -0.12 -0.16 -0.10 -0.01	0.15 0.20 0.05 0.00 0.00 0.11 1.22 0.04 0.05 0.02 0.01
01) (R ² = .01) (R ² = .01)	Age defla Height TIV (Intercept) SBP (z-score) Female sex Age at MRI Age defla Height TV Non-European ethnicity BMI (z-score) Parenial education Maternal age (Intercept) SBP (z-score) Female sex Age at MRI Age defla Height TIV (Intercept)	-0.06 0.00 -0.18 -0.01 0.08 -0.06 0.00 0.02 0.02 0.02 0.00 -0.00 -0.00 -0.00 0.00	0.00 0.00 0.74 0.02 0.04 0.05 0.00 0.00 0.00 0.01 0.00 0.01 0.01 0.02 0.04 0.05 0.00	-0.88 -2.34 -0.24 -0.50 -0.25 -1.42 -1.03 -1.01 -2.28 -0.56 -0.90 -0.34 -0.63 -0.13 -0.13 -0.19 -0.09 -0.09 -0.40	304.6 81.6 81.6 187.6 102.4 82.6 142.7 235.5 87.9 105.0 165.5 94.1 FA) 119.5 110.8 67.4 122.9 74.7 141.9 131.6 135.2	0.808 0.617 0.026 0.158 0.307 0.316 0.024 0.575 0.371 0.733 0.529 0.896 0.902 0.407 0.304 0.851 0.930 0.900 0.694	0.896 0.949 0.068 0.482 0.988 0.932 0.028 0.671 0.820 0.763 0.758 0.949 0.475 0.532 0.988 0.932 0.098	-0.05 0.01 -0.03 -0.16 -0.01 0.00 -0.02 -0.01 -0.01 -0.01 -1.41 -0.03 -0.12 -0.10 -0.01 -0.01 -0.01	0.03 0.15 0.20 0.05 0.00 0.00 0.11 0.02 0.01 1.24 0.04 0.05 0.12 0.01 0.00 0.12 0.01	model Fully adjusted (R² = .01)	Female sex Age at MRI Age delta Height TV Non-European ethnicity Parental education Maternal age (Intercept) DBP (z-score) Female sex Age at MRI Age delta Height TV (Intercept)	-0.02 0.08 0.08 -0.06 0.00 0.00 0.00 0.00 -0.10 0.00 -0.10 0.00 -0.06 0.01 0.00 -0.00	0.04 0.06 0.05 0.00 0.00 0.04 0.02 0.01 0.07 0.67 0.02 0.04 0.02 0.04 0.06 0.06 0.06	-0.99 2.28 1.43 -1.04 -1.08 -2.29 0.59 0.85 0.31 0.09 -0.15 0.09 -0.83 0.19 -0.06 3.95 -0.45	183.5 100.2 82.3 141.1 221.8 91.1 90.3 164.1 92.4 FA) 116.2 82.6 66.0 122.7 74.0 111.4 133.9	0.323 0.024 0.157 0.303 0.280 0.023 0.555 0.398 0.760 0.547 0.884 0.927 0.410 0.304 0.852 0.953 0.000 0.6551	0.061 0.476 0.994 0.961 0.027 0.648 0.741 0.760 0.727 0.884 0.927 0.485 0.532 0.994 0.900	0.01 -0.03 -0.16 -0.01 0.00 -0.06 -0.02 -0.01 -0.01 -1.42 -0.04 -0.12 -0.16 -0.10 -0.00 -0.00	0.15 0.20 0.05 0.00 0.00 0.11 0.05 0.02 0.01 1.22 0.04 0.05 0.05 0.05 0.12 0.01
Base model Fully adjusted model Base $(R^2=.01)$ $(R^2=.01)$ $(R^2$	Age delta Height TIV (Intercept) SBP (z-score) Female sex Age at MRI Age delta Height TV Non-European ethnicity BMI (z-score) Parental education Maternal age (Intercept) SBP (z-score) Female sex Age at MRI Age delta Height TIV (Intercept) SBP (z-score)	-0.06 0.00 0.00 -0.18 -0.01 0.08 -0.06 0.00 0.00 0.00 0.00 -	0.00 0.00 0.74 0.02 0.04 0.05 0.00 0.04 0.02 0.01 0.00 Min 0.67 0.02 0.04 0.06 0.06 0.06 0.06 0.06 0.06 0.06	-0.88 -2.34 -0.24 -0.50 -2.25 -1.42 -1.03 -1.01 -2.28 -0.50 -0.90 -0.34 -0.63 -0.12 -0.84 -1.03 -1.09 -0.09 -0.40 -0.59	304.6 81.6 83.7 187.6 102.4 82.6 142.7 235.5 87.9 105.0 165.5 94.1 119.5 110.8 67.4 122.9 74.7 141.9 131.6 135.2 117.1 69.3	0.808 0.617 0.026 0.158 0.307 0.316 0.024 0.575 0.371 0.733 0.529 0.896 0.992 0.407 0.304 0.851 0.932 0.000 0.694 0.554	0.896 0.949 0.068 0.482 0.988 0.671 0.820 0.763 0.758 0.896 0.949 0.475 0.532 0.900 0.883 0.900 0.883	-0.05 0.01 -0.03 -0.16 -0.01 0.00 -0.06 -0.02 -0.01 -0.01 -0.12 -0.16 -0.10 -0.10 -0.00 -1.60 -0.00	0.03 0.15 0.20 0.05 0.00 0.01 0.02 0.01 1.24 0.04 0.05 0.05 0.05 0.01 0.00 1.07	Base model Fully siglased (R ² = .0.1 (R ² = .0.1	Female sex Age at MRI Age delta Height TIV Non-European ethnickly Parental education Maternal age (Intercept) DBP (z-score) Female sex Age at MRI Age delta Height TIV (Intercept) DBP (z-score) Female sex	-0.02 0.08 0.08 -0.06 0.00 0.00 0.03 0.02 0.00 -0.10 0.00 -0.04 -0.06 0.01 0.00 0.00 -0.04 -0.06 0.01 -0.00	0.04 0.06 0.05 0.00 0.00 0.04 0.02 0.01 0.02 0.04 0.02 0.04 0.06 0.06 0.06 0.00 0.00	-0.99 2.28 1.43 -1.04 -1.08 -2.29 0.85 0.31 0.60 or forceps (-0.15 0.09 -0.83 -1.03 0.19 -0.06 3.95 -0.45 0.28	183.5 100.2 82.3 141.1 221.8 91.1 90.3 164.1 92.4 FA) 116.2 82.6 66.0 122.7 74.0 111.4 134.4 133.9 85.3 67.7	0.323 0.024 0.157 0.303 0.280 0.023 0.555 0.398 0.760 0.547 0.884 0.927 0.410 0.304 0.852 0.953 0.000 0.651 0.804 0.416	0.061 0.476 0.994 0.961 0.027 0.648 0.741 0.760 0.727 0.884 0.927 0.485 0.994 0.961 0.000 0.829 0.927	0.01 -0.03 -0.16 -0.01 0.00 -0.06 -0.02 -0.01 -0.01 -0.12 -0.16 -0.10 -0.01 -0.01 -0.01 -0.01 -0.01 -0.01 -0.01 -0.01 -0.01 -0.01	0.15 0.20 0.05 0.00 0.11 0.05 0.02 0.01 1.22 0.04 0.05 0.05 0.05 0.01 0.01
Base model Fully adjusted model Base $(R^2=.01)$ $(R^2=.01)$ $(R^2$	Age delta Height TIV (Intercept) SBP (z-score) Female sex Age at MRI Age delta Height TV Non-European ethnicity BMI (z-score) Parental education Maternal age (Intercept) SBP (z-score) Female sex Age at MRI Age delta Height TIV (Intercept) SBP (z-score) Female sex Age at MRI Age delta Age delta Age delta Age delta Age Age at MRI Age delta Age delta Age Age at MRI Age delta Age delta Age delta Age delta Age delta Age Age at MRI Age delta	-0.06 0.00 -0.18 -0.01 0.08 0.08 0.00 0.00 0.00 0.00 0.00	0.00 0.00 0.74 0.02 0.04 0.05 0.00 0.04 0.02 0.01 0.00 Min 0.67 0.02 0.04 0.06 0.06 0.06 0.06 0.06 0.00 0.00	-0.88 -2.34 -0.24 -0.50 -2.25 -1.42 -1.03 -1.01 -2.28 -0.56 -0.90 -0.34 -0.63 -0.13 -0.12 -0.84 -1.03 -0.19 -0.09 -0.40 -0.40 -0.40 -0.84 -1.05 -0.84 -1.05 -0.84 -1.05 -0.84 -1.05 -0.84 -1.05 -0.84 -1.05 -0.84 -1.05 -0.84	304.6 81.6 83.7 187.6 102.4 82.6 142.7 235.5 87.9 105.0 165.5 94.1 119.5 110.8 67.4 122.9 74.7 141.9 131.6 135.2 117.1 69.3 124.9 76.7	0.808 0.617 0.026 0.158 0.307 0.316 0.024 0.575 0.371 0.733 0.529 0.896 0.902 0.407 0.304 0.851 0.902 0.407 0.304 0.852 0.000 0.894 0.554 0.402 0.296 0.823	0.896 0.949 0.068 0.482 0.988 0.932 0.028 0.671 0.820 0.763 0.758 0.896 0.947 0.822 0.028 0.475 0.532 0.988 0.992 0.000 0.883 0.949 0.475 0.532 0.900	-0.05 0.01 -0.03 -0.16 -0.01 0.00 -0.06 -0.02 -0.01 -0.01 -0.03 -0.12 -0.16 -0.10 -0.01 -0.03 -0.10 -0.01 -0.01 -0.03 -0.10 -0.01 -0.03 -0.10 -0.01 -0.03 -0.10 -0.01 -0.03 -0.10 -0.03 -0.10 -0.01 -0.03 -0.10 -0.01 -0.0	0.03 0.15 0.20 0.05 0.00 0.01 0.06 0.02 0.01 1.24 0.05 0.05 0.12 0.01 0.05 0.05 0.05	Thodel Ease model Fully ediumed (R ² = 0.1) (R ² = 0.1)	Female sex Age at MRI Age defita Height TIV Non-European ethnicity Parental education Maternal age (Intercept) DBP (z-score) Female sex Age at MRI Age defita Height TIV (Intercept) DBP (z-score) Female sex Age at MRI Age defita Age defita Age defita Age defita Age at MRI Age defita Age at MRI Age defita	-0.02 0.08 0.08 -0.06 0.00 0.00 0.03 0.02 0.00 -0.10 0.00 -0.04 -0.06 0.01 0.01 -0.01 -0.01 -0.01 -0.04 -0.06 -0.01	0.04 0.06 0.05 0.00 0.00 0.00 0.01 0.07 0.02 0.01 0.06 0.06 0.06 0.00 0.00 0.00 0.00	-0.99 2.28 1.43 -1.04 -1.08 -2.29 0.85 0.31 -6.60 or forceps (-0.15 0.09 -0.83 -1.03 -1.03 0.19 -0.06 3.95 -0.45 -0.82 -0.82 -1.05 0.21	183.5 100.2 82.3 141.1 221.8 91.1 90.3 164.1 92.4 FA) 116.2 82.6 66.0 122.7 74.0 111.4 134.4 133.4 134.5 67.7 126.0 76.8	0.323 0.024 0.157 0.303 0.280 0.023 0.555 0.398 0.760 0.547 0.884 0.927 0.410 0.304 0.852 0.953 0.0051 0.804 0.416 0.298 0.832	0.061 0.476 0.994 0.961 0.027 0.648 0.741 0.760 0.727 0.884 0.927 0.485 0.532 0.994 0.900 0.829 0.485 0.532 0.904 0.000	0.01 -0.03 -0.16 -0.01 -0.00 -0.06 -0.02 -0.01 -0.01 -1.42 -0.04 -0.12 -0.16 -0.10 -0.01 -	0.15 0.20 0.05 0.00 0.01 0.01 0.02 0.01 1.22 0.04 0.05 0.05 0.05 0.12 0.01 0.00 0.04 0.05
Base model Fully adjusted model Base $(R^2=.01)$ $(R^2=.01)$ $(R^2$	Age delta Height TIV (Intercept) SBP (z-score) Female sex Age at MRI Age delta Height TVV Non-European ethnicity BMI (z-score) Parental education Maternal age (Intercept) SBP (z-score) Female sex Age at MRI Age delta Height TIV (Intercept) SBP (z-score) Female sex Age at MRI Age delta Height Age delta Height Age delta	-0.06 0.00 -0.18 -0.01 0.08 0.08 -0.00 0.00 0.00 0.00 0.00 0.00 -0.00 -0.00 -0.00 0.00 -0.0	0.00 0.00 0.74 0.02 0.04 0.06 0.05 0.00 0.00 0.00 0.00 0.00 0.00	-0.88	304.6 81.6 83.7 187.6 102.4 82.6 142.7 235.5 87.9 105.0 165.5 94.1 FA) 119.5 110.8 67.4 122.9 74.7 141.9 131.6 135.2 117.1 69.3 124.9 76.7 142.2	0.808 0.617 0.026 0.158 0.307 0.316 0.024 0.575 0.371 0.733 0.529 0.992 0.407 0.304 0.851 0.932 0.000 0.694 0.554 0.402 0.296 0.823 0.823 0.823	0.896 0.949 0.068 0.482 0.988 0.492 0.028 0.671 0.820 0.763 0.758 0.896 0.949 0.475 0.532 0.998 0.932 0.083 0.949 0.475 0.532 0.998 0.932 0.998	-0.05 0.01 -0.03 -0.16 -0.01 0.00 -0.06 -0.02 -0.01 -0.01 -0.01 -0.12 -0.16 -0.10 -0.01	0.03 0.15 0.20 0.05 0.00 0.01 0.06 0.02 0.01 1.24 0.05 0.05 0.12 0.01 0.00 1.07 0.05 0.05	Thodel Ease model Fully ediumed (R ² = 0.1) (R ² = 0.1)	Female sex Age at MRI Age delta Height TIV Non-European ether Bill (**score) Parental education Maternal age (intercept) DBP (**score) Female sex Age at MRI Age delta Height TIV (intercept) DBP (**score) Female sex Age at MRI Age delta Height TIV (intercept) DBP (**score) Female sex Age at MRI TIV TIV Age at MRI Age delta Height TIV	-0.02 -0.08 -0.08 -0.06 -0.00 -0.00 -0.00 -0.00 -0.00 -0.00 -0.01 -0.01 -0.04 -0.06 -0.01 -0.04 -0.06 -0.01 -0.00 -0.01 -0.00	0.04 0.06 0.05 0.00 0.00 0.00 0.04 0.02 0.01 0.07 0.02 0.04 0.06 0.06 0.00 0.02 0.04 0.06 0.00	-0.99 2.28 1.43 -1.04 -1.08 -2.29 0.85 0.31 0.60 or forceps (-0.15 0.09 -0.83 -1.03 -1.03 -0.19 -0.06 -0.45 -0.25 -0.85 -0.21 0.25 -0.21 0.25	183.5 100.2 82.3 141.1 221.8 91.1 90.3 164.1 92.4 FA) 116.2 82.6 66.0 122.7 74.0 111.4 133.4 133.9 85.3 67.7 126.0 76.8 115.8	0.323 0.024 0.157 0.303 0.280 0.023 0.555 0.398 0.760 0.547 0.884 0.927 0.410 0.304 0.853 0.000 0.651 0.804 0.416 0.298 0.832 0.802 0.033	0.061 0.476 0.994 0.961 0.027 0.848 0.741 0.760 0.727 0.884 0.927 0.485 0.532 0.994 0.961 0.002 0.829 0.927 0.485 0.532 0.994 0.961 0.000	0.01 -0.03 -0.16 -0.01 -0.00 -0.06 -0.02 -0.01 -0.01 -0.04 -0.12 -0.16 -0.10 -0.01 -0.00 -1.64 -0.03 -0.17 -0.10 -0.01	0.15 0.20 0.05 0.00 0.00 0.01 0.02 0.01 1.22 0.04 0.05 0.05 0.12 0.01 0.05 0.01 0.00 0.01 0.00 0.01
01) (R ² = .01) (R ² = .01)	Age defla Height TIV (Intercept) SBP (z-score) Female sex Age at MRI Age defla Height TIV Non-European ethnicity BMI (z-score) Parental education Maternal ege (Intercept) SBP (z-score) Female sex Age at MRI Age defla Height TIV (Intercept) SBP (z-score) Female sex Age at MRI Age defla Height Hill Height Height Height TIV Non-European ethnicity BMI (z-score)	-0.06 -0.00 -0.18 -0.01 -0.01 -0.08 -0.06 -0.00 -0.02 -0.00 -0.02 -0.00 -0.00 -0.00 -0.01 -0.01 -0.00 -0.01 -0.00 -0.01 -0.00 -0.00 -0.00 -0.00 -0.00 -0.00 -0.00 -0.00 -0.00 -0.00 -0.00 -0.00	0.00 0.00 0.74 0.02 0.04 0.06 0.05 0.00 0.00 0.00 0.00 0.00 0.01 0.01	-0.88	304.6 81.6 83.7 187.6 102.4 82.6 142.7 235.5 87.9 105.0 165.5 94.1 FA) 119.5 110.8 67.4 122.9 74.7 141.9 131.6 135.2 117.1 69.3 124.9 76.7 142.2 121.2 191.5 190.4	0.808 0.617 0.026 0.158 0.307 0.316 0.024 0.575 0.371 0.733 0.529 0.896 0.902 0.407 0.304 0.851 0.932 0.000 0.694 0.554 0.402 0.296 0.823 0.876 0.000 0.306	0.896 0.949 0.068 0.482 0.988 0.932 0.028 0.671 0.820 0.758 0.896 0.949 0.475 0.532 0.900 0.883 0.949 0.475 0.532 0.000 0.883 0.949 0.475 0.652 0.880 0.932	-0.05 0.01 -0.03 -0.16 -0.01 0.00 -0.06 -0.01 -0.01 -0.01 -0.01 -0.01 -0.03 -0.12 -0.16 -0.01 -0.01 -0.01 -0.01 -0.01 -0.01 -0.01 -0.01 -0.01 -0.01 -0.01 -0.01 -0.01 -0.01 -0.01 -0.01 -0.01 -0.00 -0.03 -0.12 -0.10 -0.01 -0.00 -0.04	0.03 0.15 0.20 0.05 0.00 0.11 0.06 0.02 0.01 1.24 0.05 0.12 0.01 1.07 0.05 0.05 0.05 0.05 0.05 0.05	Thodel Ease model Fully ediumed (R ² = 0.1) (R ² = 0.1)	Female sex Age at MRI Age delta Height TV Non-European either BMI (z-score) Parental education Maternal age (intercept) DBP (z-score) Female sex Age at MRI Age delta Height TV (intercept) DBP (z-score) Female sex Age at MRI Age delta Height TV Non-European ethnicity Non-European ethnicity Non-European ethnicity	-0.02 -0.08 -0.06 -0.00 -0.00 -0.00 -0.00 -0.00 -0.00 -0.01 -0.01 -0.01 -0.01 -0.06 -0.01 -0.06 -0.01 -0.06 -0.01 -0.00 -0.00 -0.00 -0.00 -0.00 -0.00 -0.00 -0.00 -0.00 -0.00 -0.00 -0.00 -0.00	0.04 0.06 0.05 0.00 0.04 0.02 0.01 0.00 Mino 0.67 0.02 0.04 0.06 0.00	-0.99 2.28 1.43 -1.04 -1.08 -2.29 0.59 0.81 -0.15 0.09 r forceps (-0.15 0.09 -0.83 -1.03 -1.03 -0.06 3.95 -0.25 -0.85 0.25 -0.82 -1.05 0.21 0.25 3.95 1.02	183.5 100.2 82.3 141.1 221.8 90.3 164.1 192.4 FA) 1162.2 82.6 66.0 122.7 74.0 111.4 133.9 85.3 67.7 126.0 76.8 115.8	0.323 0.024 0.157 0.303 0.280 0.023 0.555 0.398 0.760 0.547 0.884 0.927 0.410 0.304 0.925 0.953 0.000 0.651 0.804 0.416 0.298 0.804 0.410 0.200 0.651 0.804 0.410 0.400 0.651 0.804 0.400 0.400 0.651 0.804 0.400 0.400 0.651 0.804 0.400 0.400 0.400 0.400 0.400 0.400 0.500 0.651 0.800 0.400 0.	0.061 0.476 0.994 0.961 0.027 0.648 0.741 0.760 0.727 0.884 0.927 0.485 0.532 0.994 0.961 0.000 0.829 0.927 0.485 0.932 0.994 0.961 0.000 0.579 0.579	0.01 -0.03 -0.16 -0.01 0.00 -0.06 -0.02 -0.01 -0.01 -0.04 -0.12 -0.16 -0.10 -0.01 -0.01 -0.01 -0.01 -0.01 -0.01 -0.01 -0.01 -0.01 -0.01 -0.01 -0.01 -0.01 -0.01 -0.01	0.15 0.20 0.05 0.00 0.01 0.01 0.02 0.01 1.22 0.04 0.05 0.05 0.01 0.00 0.00 0.05 0.01 0.00 0.01
Fully adjusted model Base model Fully adjusted model Base $(R^2=0.1)$ $(R^2=0.1)$ $(R^2=0.1)$ $(R^2=0.1)$	Age delta Height TIV (Intercept) SBP (z-score) Female sex Age at MRI Age delta Height TIV Non-European ethnicity BMI (z-score) Parental education Maternal age (Intercept) SBP (z-score) Female sex Age at MRI Age delta Height TIV (Intercept) SBP (z-score) Female sex Age at MRI Age delta Height TIV (Intercept) SBP (z-score) Female sex Age at MRI Age delta Height TIV (Intercept) SBP (z-score) Female sex Age at MRI Age delta Height Age delta Height Height TIV Non-European ethnicity	-0.06 -0.00 -0.18 -0.18 -0.08 -0.08 -0.08 -0.06 -0.00	0.00 0.00 0.74 0.02 0.04 0.06 0.05 0.00 0.04 0.02 0.01 0.00 0.06 0.06 0.06 0.06 0.06 0.06	-0.88	304.6 81.6 83.7 187.6 102.4 82.6 142.7 235.5 87.9 105.0 165.5 94.1 119.5 110.8 67.4 122.9 74.7 141.9 131.6 135.2 117.1 69.3 124.9 74.7 14.9 14.9 14.9 15.7 16.7 14.9 16.7 14.9 16.7 14.9 16.7 14.9 16.7 14.9 16.7 14.9 16.7 16.7 16.7 16.7 16.7 16.7 16.7 16.7	0.808 0.617 0.026 0.158 0.307 0.316 0.024 0.575 0.371 0.733 0.529 0.896 0.902 0.407 0.304 0.851 0.932 0.000 0.894 0.554 0.402 0.694 0.554 0.402 0.694 0.695 0.694 0.694 0.694 0.695 0.694 0.694 0.695 0.694 0.694 0.695 0.694 0.695 0.694 0.695 0.694 0.695 0.694 0.695 0.694 0.695 0.694 0.695 0.694 0.695 0.694 0.695 0.795 0.	0.896 0.949 0.068 0.482 0.988 0.932 0.028 0.671 0.820 0.763 0.758 0.896 0.947 0.475 0.532 0.000 0.883 0.945 0.988 0.932 0.000 0.883 0.945 0.988 0.932 0.000 0.883 0.988 0.932 0.000 0.763 0.763 0.763 0.763 0.763 0.763 0.763 0.763 0.763	-0.05 0.01 -0.03 -0.16 -0.01 -0.00 -0.06 -0.02 -0.01	0.03 0.15 0.20 0.05 0.00 0.11 0.06 0.02 0.01 1.24 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.0	Fully withstand model	Female sex Age at MRI Age delta Height TV Non-European either BMI (z-score) Parental education Maternal age (intercept) DBP (z-score) Female sex Age at MRI Age delta Height TIV (intercept) DBP (z-score) Female sex Age at MRI Age delta Height TIV Non-European ethnicity Non-European ethnicity BMI (z-score) Pemale sex Age at MRI Age delta Height Age delta Height TIV Non-European ethnicity BMI (z-score) Parental education Maternal age	-0.02 0.08 -0.06 0.00 0.00 0.00 0.00 0.00 0.00 0.0	0.04 0.06 0.05 0.00 0.04 0.02 0.01 0.00 Minc 0.67 0.02 0.04 0.06 0.06 0.00	-0.99 2.28 1.43 -1.04 -1.08 -2.29 0.59 0.85 0.31 0.07 forceps (-0.15 0.08 -0.15 0.09 -0.83 -1.03 -0.19 -0.06 -0.25 -0.2	183.5 100.2 82.3 141.1 221.8 90.3 164.1 192.4 FA) 116.2 82.6 66.0 122.7 74.0 111.4 134.4 133.9 85.3 67.7 126.8 115.8 115.8 115.8 115.8 115.8	0.323 0.024 0.157 0.303 0.280 0.023 0.555 0.398 0.760 0.547 0.884 0.927 0.410 0.304 0.852 0.953 0.000 0.651 0.804 0.416 0.933 0.802 0.802 0.802 0.802	0.061 0.476 0.994 0.994 0.961 0.027 0.648 0.741 0.760 0.727 0.884 0.927 0.485 0.532 0.994 0.961 0.000 0.829 0.927 0.485 0.532 0.994 0.961 0.000 0.579	0.01 -0.03 -0.16 -0.01 -0.00 -0.06 -0.02 -0.01 -0.01 -0.01 -0.04 -0.12 -0.16 -0.10 -0.01	0.15 0.20 0.05 0.00 0.00 0.01 0.02 0.01 1.22 0.04 0.05 0.05 0.05 0.05 0.05 0.05 0.04 0.05 0.05

Table S10 - White matter tracts (MD)

	Predictor	CAROTID	INTIMA-ME	DIA THICKI Statistic		D	D	LCI	UCI		ſ	Predictor	Beta	AROTID DIS	STENSIBILIT Statistic		D	D	LCI	UCI
	(Intercept)	-0.59	Cings 0.65	ulate gyrus	(MD) 137.0	P _{unadjusted} 0.366	P _{FDR} 0.512	-1.87	0.69	ſ		(Intercept)	-0.56		late gyrus	(MD) 145.8	P _{unedjusted}	P _{FDR} 0.531	-1.82	0.71
3 del	IMT (z-score) Female sex	0.00	0.02	-0.11 1.23	126.9 144.5	0.910	0.963	-0.04 -0.03	0.03		z) del	Distensibility (z-score) Female sex	-0.01 0.05	0.02	-0.57 1.29	126.2 149.3	0.569	0.885 0.277	-0.05 -0.03	0.03
Base model (R ² = .02)	Age at MRI	-0.05 -0.01	0.06	-0.85 -0.19	118.9	0.397	0.514	-0.03 -0.15 -0.11	0.06		Base model (R ² = .02)	Age at MRI	-0.05	0.06	-0.85 -0.18	118.8	0.398	0.519	-0.15	0.06
ag E	Age delta Height	0.00	0.05	-0.97	90.4 124.2	0.335	0.956	-0.01	0.00		Ba	Age delta Height	-0.01	0.00	-1.05	118.7	0.860	0.949	-0.11 -0.01	0.09
	TIV (Intercept)	-0.86	0.00	7.12 -1.29	113.8	0.000	0.000	-2.18	0.00			TIV (Intercept)	-0.83	0.00	7.12	114.5 150.5	0.000	0.000	-2.13	0.00
-ge	IMT (z-score) Female sex	0.00	0.02	-0.05 1.23	124.6 144.0	0.961	0.963	-0.04	0.03		ldel	Distensibility (z-score) Female sex	-0.02 0.05	0.02	-0.85 1.31	135.9 149.0	0.397	0.885	-0.05 -0.02	0.02
ted mo	Age at MRI Age delta	-0.04 -0.01	0.06 0.05	-0.77 -0.25	124.5 86.8	0.446 0.807	0.520 0.956	-0.15 -0.12	0.07		ted mo .02)	Age at MRI Age delta	-0.04 -0.01	0.06 0.05	-0.76 -0.23	123.8 87.1	0.449 0.817	0.524 0.963	-0.15 -0.12	0.07
y adjusted model $(R^2 = .02)$	Height TIV	0.00	0.00	-0.59 7.00	130.5 105.6	0.560 0.000	0.985 0.000	-0.01 0.00	0.00		/ adjusted model (R ² = .02)	Height TIV	0.00	0.00	-0.67 7.01	127.6 107.2	0.503 0.000	0.949 0.000	-0.01 0.00	0.00
Fully	Non-European ethnicity BMI (z-score)	0.01 -0.03	0.04 0.02	0.16 -1.67	138.5 100.5	0.875 0.099	0.932 0.173	-0.07 -0.07	0.08		Fully	Non-European ethnicity BMI (z-score)	0.01 -0.03	0.04 0.02	0.17 -1.78	143.6 105.3	0.862 0.078	0.925 0.174	-0.07 -0.07	0.08
	Parental education Maternal age	0.00	0.01 0.00	-0.42 0.98	317.6 132.8	0.677 0.329	0.919 0.769	-0.02 0.00	0.01 0.01			Parental education Maternal age	0.00	0.01 0.00	-0.41 0.98	317.5 132.2	0.683 0.328	0.921 0.774	-0.02 0.00	0.01 0.01
	(Intercept)	1.27	0.70	o-spinal trac	88.8	0.075	0.399	-0.13	2.67	[(Intercept)	1.27	0.71	1.79	86.5	0.077	0.394	-0.14	2.67
e model = .01)	IMT (z-score) Female sex	0.00 0.02	0.02	-0.07 0.49	286.7 107.4	0.945 0.624	0.963 0.672	-0.03 -0.06	0.03		= .01)	Distensibility (z-score) Female sex	0.00 0.02	0.02	0.12 0.48	93.7 101.4	0.904 0.633	0.904 0.668	-0.04 -0.06	0.04 0.10
Base n (R² =	Age at MRI Age delta	-0.09 0.00	0.06 0.05	-1.62 0.00	116.8 119.0	0.108 0.997	0.352 0.997	-0.20 -0.10	0.02		Base n (R² =	Age at MRI Age delta	-0.09 0.00	0.06 0.05	-1.62 -0.01	116.3 118.7	0.108 0.995	0.350 0.995	-0.20 -0.10	0.02 0.10
	Height TIV	-0.01 0.00	0.00	-1.56 2.60	86.5 97.5	0.123 0.011	0.574 0.015	-0.01 0.00	0.00			Height TIV	-0.01 0.00	0.00	-1.53 2.62	82.8 100.7	0.129 0.010	0.602 0.014	-0.01 0.00	0.00
	(Intercept) IMT (z-score)	0.88	0.72 0.02	1.21 0.13	91.5 279.6	0.228 0.901	0.406 0.963	-0.56 -0.03	2.31 0.03			(Intercept) Distensibility (z-score)	0.88 -0.01	0.72 0.02	1.22 -0.46	89.6 99.0	0.224 0.647	0.394 0.904	-0.55 -0.05	2.32 0.03
y adjusted model (R² = .01)	Female sex Age at MRI	0.02 -0.08	0.04 0.06	0.41 -1.46	110.2 131.6	0.686 0.147	0.686 0.352	-0.06 -0.19	0.09		/ adjusted model (R² = .01)	Female sex Age at MRI	0.02 -0.08	0.04 0.06	0.43 -1.45	104.4 131.8	0.668 0.149	0.668 0.350	-0.06 -0.19	0.09
justed = .01	Age delta Height	-0.01 0.00	0.05 0.00	-0.14 -0.71	138.0 73.1	0.888 0.479	0.956 0.985	-0.10 -0.01	0.09		justed = .01	Age delta Height	-0.01 0.00	0.05 0.00	-0.13 -0.74	138.6 71.4	0.894 0.461	0.963 0.949	-0.10 -0.01	0.09
Fully ad	TIV Non-European ethnicity	0.00 -0.03	0.00 0.04	2.61 -0.75	96.0 251.3	0.010 0.452	0.015 0.764	0.00 -0.10	0.00		Fully ad (R	TIV Non-European ethnicity	0.00 -0.03	0.00 0.04	2.63 -0.74	99.1 258.1	0.010 0.460	0.014 0.771	0.00 -0.10	0.00 0.05
Œ	BMI (z-score) Parental education	-0.07 0.00	0.02 0.01	-3.74 -0.50	77.5 163.2	0.000 0.618	0.000 0.919	-0.11 -0.02	-0.03 0.01		Œ	BMI (z-score) Parental education	-0.07 0.00	0.02 0.01	-3.83 -0.49	83.0 162.1	0.000 0.625	0.000 0.921	-0.11 -0.02	-0.04 0.01
	Maternal age	0.00		0.20 te fasciculu		0.842	0.842	-0.01	0.01	ļ		Maternal age	0.00		0.20 te fasciculu		0.842	0.842	-0.01	0.01
_ ₪	(Intercept) IMT (z-score)	-1.02 0.02	0.64 0.02	-1.60 0.95	162.1 150.3	0.112 0.345	0.399 0.963	-2.27 -0.02	0.24		a ∼	(Intercept) Distensibility (z-score)	-1.02 -0.02	0.64 0.02	-1.60 -1.03	157.7 85.5	0.112 0.308	0.394 0.885	-2.28 -0.06	0.24 0.02
Base model (R² = .01)	Female sex Age at MRI	0.17 0.06	0.04 0.05	4.81 1.09	218.0 126.5	0.000 0.277	0.000 0.431	0.10 -0.05	0.24 0.17		se model 2 = .01)	Female sex Age at MRI	0.17 0.06	0.04 0.05	4.74 1.10	183.1 125.0	0.000 0.273	0.000 0.425	0.10 -0.05	0.24 0.17
Bas	Age delta Height	-0.05 0.00	0.05 0.00	-1.00 0.54	125.7 100.2	0.317 0.591	0.843 0.985	-0.15 0.00	0.05 0.01		Base (R²=	Age delta Height	-0.05 0.00	0.05 0.00	-0.99 0.50	123.8 100.5	0.326 0.620	0.852 0.949	-0.15 0.00	0.05 0.01
	TIV (Intercept)	0.00 -0.73	0.00 0.65	0.47 -1.13	304.7 185.1	0.642 0.261	0.661 0.406	0.00 -2.00	0.00			TIV (Intercept)	0.00 -0.74	0.00 0.65	0.49 -1.15	307.9 180.3	0.628 0.253	0.676 0.394	0.00 -2.02	0.00
<u>a</u>	IMT (z-score) Female sex	0.01 0.17	0.02 0.04	0.79 5.00	153.6 212.7	0.428 0.000	0.963 0.000	-0.02 0.11	0.05 0.24		<u>e</u>	Distensibility (z-score) Female sex	-0.02 0.18	0.02 0.04	-0.84 4.91	83.8 176.7	0.406 0.000	0.885	-0.05 0.10	0.02 0.25
adjusted model (R² = .01)	Age at MRI Age delta	0.03 -0.03	0.05 0.05	0.55 -0.52	149.1 134.2	0.585 0.602	0.585 0.843	-0.08 -0.12	0.14 0.07		adjusted model (R² = .01)	Age at MRI Age delta	0.03 -0.03	0.05 0.05	0.56 -0.50	148.2 131.7	0.580 0.615	0.580 0.861	-0.08 -0.12	0.14 0.07
adjusta (R² = .	Height TIV	0.00	0.00	0.59 0.90	95.5 265.6	0.559 0.372	0.985 0.473	0.00	0.01		adjush (R² = .	Height TIV	0.00	0.00	0.58	95.7 266.5	0.562 0.360	0.949 0.458	0.00	0.01
Fully	Non-European ethnicity BMI (z-score)	0.09 0.02	0.04	2.35 0.85	217.7 97.1	0.020 0.400	0.140 0.457	0.01 -0.02	0.16 0.05		Fully	Non-European ethnicity BMI (z-score)	0.09 0.01	0.04 0.02	2.40 0.73	204.1 92.9	0.017 0.467	0.119 0.467	0.02 -0.02	0.16 0.05
	Parental education Maternal age	-0.01 0.00	0.01 0.00	-1.02 -0.55	168.6 181.0	0.310 0.585	0.919 0.769	-0.02 -0.01	0.01 0.01			Parental education Maternal age	-0.01 0.00	0.01 0.00	-0.99 -0.55	169.0 179.5	0.325 0.582	0.921 0.774	-0.02 -0.01	0.01 0.01
	(Intercept)	-1.09	0.66	-1.65	116.4	0.102	0.399	-2.40	0.22	[(Intercept)	-1.05	0.65	-1.61	123.0	0.111	0.394	-2.34	0.25
e model = .03)	IMT (z-score) Female sex	0.00 -0.10	0.02	-0.05 -2.60	122.8 96.5	0.963 0.011	0.963 0.022	-0.04 -0.18	0.03 -0.02		model .03)	Distensibility (z-score) Female sex	-0.02 -0.10	0.02	-0.88 -2.50	128.5 91.3	0.379 0.014	0.885 0.028	-0.05 -0.18	0.02 -0.02
Base r (R² ==	Age at MRI Age delta	-0.04 -0.04	0.05	-0.67 -0.87	158.7 143.6	0.504	0.543 0.843	-0.14 -0.14	0.07		Base r (R² =	Age at MRI Age delta	-0.03 -0.04	0.05	-0.66 -0.86	160.5 146.0	0.508	0.547 0.852	-0.14 -0.14	0.07
	Height TIV	0.00	0.00	0.26 8.72	117.3 479.4	0.792 0.000	0.985 0.000	-0.01 0.00	0.01 0.00			Height TIV	0.00	0.00	0.14 8.70	115.7 472.1	0.887	0.949 0.000	-0.01 0.00	0.01 0.00
_	(Intercept) IMT (z-score) Female sex	-0.80 0.00 -0.10	0.67 0.02 0.04	-1.19 -0.11 -2.54	130.3 122.2 93.7	0.235 0.911 0.013	0.406 0.963 0.023	-2.13 -0.04 -0.18	0.53 0.03 -0.02		_	(Intercept) Distensibility (z-score) Female sex	-0.78 -0.01 -0.10	0.67 0.02 0.04	-1.16 -0.63 -2.45	132.1 141.6 89.0	0.246 0.533 0.016	0.394 0.885 0.028	-2.10 -0.05 -0.18	0.54 0.02 -0.02
Fully adjusted model (R ² = .03)	Age at MRI Age delta	-0.04 -0.03	0.05	-0.84 -0.71	155.4 142.6	0.404	0.514 0.843	-0.15 -0.13	0.06		radjusted model (R ² = .03)	Age at MRI Age delta	-0.04 -0.03	0.05	-0.83 -0.70	157.0 144.1	0.408	0.519 0.852	-0.15 -0.13	0.06
djustec 2² = .0	Height TIV	0.00	0.00	-0.03 8.63	151.0 438.2	0.975	0.985	-0.13 -0.01 0.00	0.00		djustex 2² = .0.	Height TIV	0.00	0.00	-0.11 8.62	152.7 439.0	0.915	0.949	-0.01 0.00	0.01
Fullya	Non-European ethnicity BMI (z-score)	0.00	0.04	0.09	133.3 150.2	0.932	0.932	-0.08 -0.01	0.08		Fully a	Non-European ethnicity BMI (z-score)	0.00	0.04	0.09	135.7 156.7	0.925 0.112	0.925 0.174	-0.07 -0.01	0.08
	Parental education Maternal age	0.00	0.01	-0.45 -0.57	129.4 140.5	0.652 0.571	0.919	-0.02 -0.01	0.01			Parental education Maternal age	0.00	0.01	-0.45 -0.57	127.2 141.8	0.656 0.572	0.921	-0.02 -0.01	0.01
	(Intercept)			gitudinal fas			0.399	-0.26	2.43			(Intercept)			itudinal fas			0.394	-0.28	2.41
model02)	IMT (z-score) Female sex	0.01	0.02	0.59 -2.68	92.7 209.6	0.560	0.963 0.022	-0.03 -0.16	0.05		model .02)	Distensibility (z-score) Female sex	-0.01 -0.09	0.02	-0.37 -2.69	113.6 202.2	0.710	0.904 0.022	-0.04 -0.16	0.03
ase mc	Age at MRI Age delta	-0.08 -0.05	0.06	-1.39 -1.09	94.1 118.7	0.167 0.277	0.352	-0.19 -0.15	0.03		ase m (R² = .(Age at MRI Age delta	-0.08 -0.05	0.06	-1.38 -1.09	93.9 118.7	0.170 0.279	0.350 0.852	-0.19 -0.15	0.03
a -	Height TIV	-0.01 0.00	0.00	-2.31 5.35	86.8 102.0	0.023	0.322	-0.01 0.00	0.00		a -	Height TIV	-0.01 0.00	0.00	-2.23 5.39	77.0 104.4	0.029 0.000	0.406 0.000	-0.01 0.00	0.00
	(Intercept) IMT (z-score)	0.99 0.01	0.69 0.02	1.45 0.56	116.2 92.6	0.150 0.575	0.406 0.963	-0.36 -0.03	2.35 0.05			(Intercept) Distensibility (z-score)	0.98 -0.01	0.68 0.02	1.44 -0.67	116.8 117.6	0.153 0.505	0.394 0.885	-0.37 -0.05	2.34 0.02
labou	Female sex Age at MRI	-0.09 -0.09	0.04	-2.59 -1.67	188.2 114.3	0.010	0.022 0.352	-0.16 -0.20	-0.02 0.02		nodel	Female sex Age at MRI	-0.09 -0.09	0.04 0.06	-2.57 -1.66	180.2 113.4	0.011	0.026 0.350	-0.16 -0.20	-0.02 0.02
= .03)	Age delta Height	-0.04 -0.01	0.05	-0.86 -1.72	139.3 104.1	0.389	0.843 0.574	-0.14 -0.01	0.05		adjusted m (R² = .03)	Age delta Height	-0.04 -0.01	0.05	-0.85 -1.68	139.3 92.2	0.395	0.852 0.602	-0.14 -0.01	0.06
Fully adjusted model (R² = .03)	TIV Non-European ethnicity	0.00	0.00 0.04	5.41 1.63	88.6 246.4	0.000	0.000 0.278	0.00 -0.01	0.00 0.13		Fully adji (R²	TIV Non-European ethnicity	0.00	0.00	5.45 1.68	90.4 239.9	0.000	0.000	0.00 -0.01	0.00
Œ	BMI (z-score) Parental education	-0.04 0.00	0.02 0.01	-2.18 0.30	112.2 445.3	0.031 0.763	0.108 0.919	-0.07 -0.01	0.00		Œ	BMI (z-score) Parental education	-0.04 0.00	0.02 0.01	-2.25 0.33	115.3 437.6	0.026 0.741	0.091 0.921	-0.08 -0.01	-0.01 0.02
	Maternal age	0.00		-1.03 or forceps (I		0.303	0.769	-0.01	0.00			Maternal age	0.00		-1.04 r forceps (I		0.301	0.774	-0.01	0.00
<u>a</u>	(Intercept) IMT (z-score)	0.32 -0.01	0.64 0.02	0.51 -0.35	152.3 86.5	0.614 0.731	0.661 0.963	-0.94 -0.04	1.59 0.03		a .	(Intercept) Distensibility (z-score)	0.37 -0.01	0.65 0.02	0.57 -0.62	132.9 142.6	0.570 0.538	0.614 0.885	-0.92 -0.05	1.66 0.02
e model = .01)	Female sex Age at MRI	-0.11 -0.09	0.04 0.05	-3.05 -1.76	205.4 233.3	0.003	0.011 0.352	-0.18 -0.19	-0.04 0.01		e model = .01)	Female sex Age at MRI	-0.10 -0.09	0.04 0.05	-2.99 -1.76	219.7 229.5	0.003 0.081	0.011 0.350	-0.17 -0.19	-0.04 0.01
Base I	Age delta Height	0.03	0.05 0.00	0.68 -0.39	181.9 63.1	0.495 0.699	0.843 0.985	-0.06 -0.01	0.12 0.01		Base (R² =	Age delta Height	0.03 0.00	0.05 0.00	0.70 -0.49	181.5 60.0	0.487 0.629	0.852 0.949	-0.06 -0.01	0.13 0.01
	TIV (Intercept)	0.00	0.00	4.33 0.28	106.1 157.0	0.000 0.778	0.000 0.778	0.00 -1.11	0.00 1.49			TIV (Intercept)	0.00	0.00	4.30 0.34	105.3 136.8	0.000 0.734	0.000 0.734	0.00 -1.10	0.00
<u> </u>	IMT (z-score) Female sex	-0.01 -0.11	0.02 0.04	-0.27 -3.13	88.2 205.2	0.787 0.002	0.963 0.009	-0.04 -0.18	0.03 -0.04		de de	Distensibility (z-score) Female sex	-0.02 -0.11	0.02 0.04	-0.90 -3.05	154.7 222.7	0.372 0.003	0.885 0.011	-0.05 -0.17	0.02 -0.04
adjusted model (R ² = .02)	Age at MRI Age delta	-0.08 0.03	0.05 0.05	-1.56 0.56	194.7 170.1	0.120 0.574	0.352 0.843	-0.18 -0.07	0.02 0.12		adjusted model (R² = .02)	Age at MRI Age delta	-0.08 0.03	0.05 0.05	-1.56 0.58	192.6 170.8	0.121 0.564	0.350 0.861	-0.18 -0.07	0.02 0.12
adjuste (R² = .)	Height TIV	0.00	0.00	-0.12 4.29	63.9 116.1	0.907 0.000	0.985 0.000	-0.01 0.00	0.01		adjusti (R² =)	Height TIV	0.00	0.00	-0.22 4.27	60.6 114.5	0.830 0.000	0.949 0.000	-0.01 0.00	0.01 0.00
Fully	Non-European ethnicity BMI (z-score)	-0.03 -0.03	0.04	-0.61 -1.44	94.9 67.0	0.546 0.154	0.764 0.216	-0.11 -0.07	0.06		Fully	Non-European ethnicity BMI (z-score)	-0.03 -0.03	0.04	-0.60 -1.56	91.8 69.3	0.551 0.124	0.771 0.174	-0.11 -0.07	0.06 0.01
	Parental education Maternal age	0.00	0.01 0.00	0.27 -0.44	68.2 111.1	0.788 0.659	0.919 0.769	-0.02 -0.01	0.02 0.01			Parental education Maternal age	0.00 0.00	0.01 0.00	0.27 -0.44	68.0 111.0	0.789 0.663	0.921 0.774	-0.02 -0.01	0.02 0.01
	(Intercept)	-0.42	0.61	or forceps (I -0.68	248.3	0.495	0.588	-1.61	0.78	[(Intercept)	-0.46	0.61	-0.75	228.9	0.452	0.531	-1.67	0.75
Base model (R² < .01)	IMT (z-score) Female sex	0.02 0.03 0.06	0.02 0.04 0.05	1.04 0.82 1.11	97.1 154.4	0.302	0.963 0.526	-0.02 -0.05 -0.05	0.05		model : .0.1)	Distensibility (z-score) Female sex	0.00 0.03 0.06	0.02 0.04 0.05	-0.22 0.77	85.4 99.2 152.6	0.828 0.443 0.265	0.904 0.564 0.425	-0.04 -0.05 -0.05	0.03
Base I	Age at MRI Age delta	-0.08	0.05	-1.57	148.7	0.269	0.431	-0.17	0.16		Base n (R² <	Age at MRI Age delta	-0.08	0.05	1.12 -1.57	148.0	0.118	0.826	-0.17	0.16
	Height TIV	0.00	0.00	-0.02 -0.44	124.5 156.1	0.985	0.985	0.00	0.01			Height TIV	0.00	0.00	0.06 -0.41	134.2 157.0	0.949	0.949	-0.01 0.00	0.01
	(Intercept) IMT (z-score)	0.02	0.63	-0.67 1.09	241.0 133.1	0.504	0.588	-1.66 -0.02	0.82			(Intercept) Distensibility (z-score)	0.00	0.64	-0.75 -0.14	219.6 83.3	0.455	0.531	-1.73 -0.04	0.78
Fully adjusted model (R² < .01)	Female sex Age at MRI	0.03	0.04	0.75 1.36	96.0 159.5	0.457	0.533	-0.05 -0.03	0.11		l model	Female sex Age at MRI	0.03	0.04	0.69 1.36	98.7 158.3	0.495	0.578	-0.05 -0.03	0.10
fjusted t² < .01	Age delta Height	0.00	0.05	-1.79 -0.32	146.3 115.5	0.076	0.826	-0.18 -0.01	0.01		adjusted m (R² < .01)	Age delta Height	0.00	0.05	-1.78 -0.22	146.7 120.4	0.077	0.826	-0.18 -0.01	0.01
-ully ac	Non-European ethnicity	-0.06	0.00	-0.67 -1.57	147.9 217.2	0.503	0.587	0.00 -0.13	0.00		Fully ad (R	Non-European ethnicity	-0.06	0.00	-0.63 -1.51	150.3 231.6	0.528	0.616	0.00 -0.13	0.00
-	BMI (z-score) Parental education	0.01	0.02	0.75 -0.05	93.5 78.9	0.457	0.457	-0.02 -0.02	0.05		-	BMI (z-score) Parental education	0.01	0.02	-0.03	93.5 79.7	0.459	0.467	-0.02 -0.02	0.05
* CE= oto	Maternal age	0.00	0.00	0.47	79.7	0.638	0.769	-0.01	0.01	- upper limit of t	the OE9/ o	Maternal age onfidence interval; TIV = Total in	0.00	0.00	0.47	80.6	0.642	0.774	-0.01	0.01

*SE= standard error; Df = degrees of freedom; FDR = false discovery rate; LCI = lower limit of the 95% confidence interval; UCI = upper limit of t

Table S10 - White matter tracts (MD) (cont'd)

	e 510 - white ma			PRESSUR	-	-						DIASTO	DLIC BLOOD	PRESSUR	E (DBP)				
	Predictor	Beta	SE Cing	Statistic ulate gyrus		P _{unadjusted}	P _{FDR}	LCI	UCI		Predictor	Beta		Statistic		P _{unadjusted}	P _{FDR}	LCI	UCI
-	(Intercept) SBP (z-score)	-0.63 -0.01	0.66	-0.96 -0.49	134.1 195.1	0.341 0.625	0.460 0.862	-1.92 -0.04	0.67 0.03	-	(Intercept) DBP (z-score)	-0.60 -0.01	0.64 0.02	-0.93 -0.66	146.6 223.4	0.354 0.511	0.496 0.790	-1.86 -0.04	0.67 0.02
Base model (R² = .02)	Female sex Age at MRI	0.05 -0.05	0.04	1.26 -0.84	138.0 118.9	0.212 0.403	0.319 0.519	-0.03 -0.15	0.12 0.06	model = .02)	Female sex Age at MRI	0.05 -0.05	0.04 0.06	1.28 -0.84	148.3 119.8	0.203	0.293 0.519	-0.03 -0.15	0.12 0.06
Base (R²:	Age delta Height	-0.01 0.00	0.05	-0.20 -0.84	90.7 116.0	0.840	0.941	-0.11 -0.01	0.09	Base (R² =	Age delta Height	-0.01 0.00	0.05	-0.21 -0.95	91.1 120.3	0.836 0.344	0.928	-0.11 -0.01	0.09
	TIV	0.00	0.00	7.12	115.8	0.000	0.000	0.00	0.00		TIV	0.00	0.00	7.10	115.0	0.000	0.000	0.00	0.00
	(Intercept) SBP (z-score)	-0.85 0.00	0.67	-1.27 0.13	138.7 199.7	0.208 0.895	0.406 0.944	-2.17 -0.03	0.48 0.04		(Intercept) DBP (z-score)	-0.86 -0.01	0.66 0.02	-1.31 -0.42	153.4 231.6	0.194 0.674	0.369 0.790	-2.16 -0.04	0.44
y adjusted model (R ² = .02)	Female sex Age at MRI	0.05 -0.04	0.04	1.21 -0.77	134.3 124.2	0.228 0.445	0.319 0.519	-0.03 -0.15	0.12 0.07	lebou	Female sex Age at MRI	0.05 -0.04	0.04	1.26 -0.76	147.2 124.8	0.209	0.293	-0.03 -0.15	0.12 0.07
= .02)	Age delta Height	-0.01 0.00	0.05	-0.24 -0.60	87.1 120.9	0.811 0.551	0.941	-0.12 -0.01	0.09	adjusted model (R ² = .02)	Age delta Height	-0.01 0.00	0.05	-0.25 -0.58	87.2 130.8	0.801	0.928	-0.12 -0.01	0.09
y adju	TIV Non-European ethnicity	0.00	0.00	7.02 0.16	107.5 147.0	0.000	0.000	0.00	0.00	y adju	TIV Non-European ethnicity	0.00	0.00	7.00 0.16	107.4	0.000	0.000	0.00	0.00
Fully	BMI (z-score)	-0.03	0.02	-1.63	102.8	0.106	0.158	-0.07	0.01	Fully	BMI (z-score)	-0.03	0.02	-1.62	100.6	0.108	0.186	-0.07	0.01
	Parental education Maternal age	0.00	0.01	-0.41 0.98	312.2 133.1	0.681 0.329	0.923 0.770	-0.02 0.00	0.01 0.01		Parental education Maternal age	0.00	0.01 0.00	-0.44 0.97	329.9 132.9	0.658 0.334	0.917 0.790	-0.02 0.00	0.01 0.01
	(Intercept)	1.10	0.70	o-spinal tra 1.56	ot (MD) 91.9	0.122	0.406	-0.30	2.50		(Intercept)	1.23	0.70	-spinal trac 1.75	88.4	0.084	0.369	-0.17	2.62
odel 01)	SBP (z-score) Female sex	-0.03 0.02	0.02	-1.92 0.59	237.5 108.7	0.056 0.560	0.784	-0.07 -0.05	0.00	model (10. a	DBP (z-score) Female sex	-0.03 0.02	0.02	-2.11 0.60	275.7 101.2	0.036	0.426	-0.07 -0.05	0.00
Base model (R ² = .01)	Age at MRI Age delta	-0.09 0.00	0.06	-1.58 -0.07	117.4 117.0	0.117 0.941	0.354	-0.20 -0.10	0.02 0.10	Base m	Age at MRI Age delta	-0.09 0.00	0.06	-1.57 -0.07	117.1 117.8	0.119	0.356	-0.20 -0.10	0.02 0.10
- B	Height TIV	0.00	0.00	-1.16 2.58	94.0	0.249	0.929	-0.01 0.00	0.00	- B	Height TIV	0.00	0.00	-1.49 2.54	87.6 100.4	0.140	0.653	-0.01 0.00	0.00
	(Intercept)	0.84	0.72	1.17	93.9	0.243	0.406	-0.58	2.27		(Intercept)	0.87	0.72	1.20	91.3	0.232	0.369	-0.56	2.29
leb	SBP (z-score) Female sex	-0.01 0.02	0.02	-0.42 0.42	205.5 110.5	0.677 0.676	0.862 0.676	-0.04 -0.06	0.03	콩	DBP (z-score) Female sex	-0.03 0.02	0.02	-1.52 0.48	259.7 103.4	0.129 0.635	0.426 0.635	-0.06 -0.06	0.01 0.10
Fully adjusted model (R² = .01)	Age at MRI Age delta	-0.08 -0.01	0.06	-1.45 -0.15	130.9 134.4	0.149 0.879	0.354 0.941	-0.19 -0.11	0.03	Fully adjusted model (R ² = .01)	Age at MRI Age delta	-0.08 -0.01	0.06 0.05	-1.45 -0.17	132.3 136.5	0.151 0.862	0.356 0.928	-0.19 -0.11	0.03
djuste R² = .(Height TIV	0.00	0.00	-0.65 2.62	81.1 98.4	0.519 0.010	0.929 0.015	-0.01 0.00	0.00	djuste R² = .(Height TIV	0.00	0.00	-0.67 2.59	74.1 99.6	0.506 0.011	0.938	-0.01 0.00	0.00
olly a	Non-European ethnicity BMI (z-score)	-0.03 -0.07	0.04	-0.75 -3.38	249.8 71.8	0.452	0.763	-0.10 -0.11	0.05	ully a	Non-European ethnicity BMI (z-score)	-0.03 -0.07	0.04	-0.72 -3.56	251.4 74.7	0.472	0.736	-0.10 -0.11	0.05
_	Parental education	0.00	0.01	-0.52	170.7	0.605	0.923	-0.02	0.01	_	Parental education	-0.01	0.01	-0.58	168.4	0.561	0.917	-0.02	0.01
	Maternal age	0.00		0.20 ite fasciculi		0.842	0.842	-0.01	0.01		Maternal age	0.00		0.17 te fasciculu		0.869	0.869	-0.01	0.01
- F	(Intercept) SBP (z-score)	-0.95 0.02	0.64 0.02	-1.48 1.29	156.2 286.9	0.141 0.198	0.406 0.784	-2.22 -0.01	0.32 0.05	- T	(Intercept) DBP (z-score)	-1.06 0.01	0.64 0.02	-1.67 0.42	159.6 186.5	0.098 0.677	0.369 0.790	-2.31 -0.03	0.20 0.04
Base model (R ² = .01)	Female sex Age at MRI	0.16 0.06	0.04	4.66 1.07	208.5 124.4	0.000 0.288	0.000 0.448	0.09	0.23 0.17	e model	Female sex Age at MRI	0.16 0.06	0.04 0.05	4.73 1.09	222.9 126.0	0.000 0.279	0.000	0.10 -0.05	0.23 0.17
Base (R²:	Age delta	-0.05	0.05	-0.96	125.4	0.340	0.863	-0.15	0.05	Base (R² =	Age delta	-0.05	0.05	-0.99	125.6	0.324	0.835	-0.15	0.05
	Height TIV	0.00	0.00	0.37	107.6 300.9	0.715	0.929	0.00	0.01		Height TIV	0.00	0.00	0.63	102.9 301.1	0.532	0.938	0.00	0.01
	(Intercept) SBP (z-score)	-0.73 0.01	0.65	-1.13 0.63	178.1 421.9	0.261 0.526	0.406 0.818	-2.02 -0.02	0.55 0.04		(Intercept) DBP (z-score)	-0.77 0.00	0.65 0.02	-1.19 -0.03	180.6 182.8	0.235 0.975	0.369 0.975	-2.05 -0.03	0.51 0.03
adjusted model $(R^2 = .01)$	Female sex Age at MRI	0.17 0.03	0.04 0.05	4.90 0.54	208.7 147.0	0.000 0.590	0.000 0.590	0.10 -0.08	0.24 0.14	adjusted model $(\mathbb{R}^2=.01)$	Female sex Age at MRI	0.17 0.03	0.04 0.05	4.96 0.55	220.6 148.5	0.000 0.584	0.000 0.584	0.10 -0.08	0.24 0.14
sted n : .01)	Age delta Height	-0.03 0.00	0.05	-0.50 0.57	133.0 99.8	0.618 0.569	0.865	-0.12 0.00	0.07	sted n	Age delta Height	-0.03 0.00	0.05	-0.52 0.67	133.4 95.6	0.605	0.847	-0.12 0.00	0.07 0.01
/ adju	TIV	0.00	0.00	0.94	262.2	0.348	0.443	0.00	0.00	/ adju	TIV	0.00	0.00	0.92	262.7	0.357	0.454	0.00	0.00
Fully	Non-European ethnicity BMI (z-score)	0.09 0.01	0.04 0.02	2.39 0.67	211.5 110.6	0.018 0.504	0.126 0.504	0.02 -0.03	0.16 0.05	Fully	Non-European ethnicity BMI (z-score)	0.09 0.02	0.04 0.02	2.39 0.87	210.9 99.9	0.018 0.388	0.126 0.388	0.02 -0.02	0.16 0.05
	Parental education Maternal age	-0.01 0.00	0.01	-0.97 -0.55	169.9 179.4	0.336 0.580	0.923 0.770	-0.02 -0.01	0.01 0.01		Parental education Maternal age	-0.01 0.00	0.01 0.00	-0.99 -0.55	162.3 179.7	0.323 0.581	0.917 0.790	-0.02 -0.01	0.01 0.01
	(Intercept)	-1.09	ferior long 0.65	itudinal fas -1.68	ciculus (MD 130.6	0.096	0.406	-2.39	0.20		(Intercept)	-1.09	nferior longit 0.66	tudinal fasc	iculus (MD 116.9	0.100	0.369	-2.39	0.21
del 3)	SBP (z-score) Female sex	0.00 -0.10	0.02	-0.07 -2.59	177.2 94.9	0.943 0.011	0.944 0.022	-0.04 -0.18	0.03 -0.02	model 03)	DBP (z-score) Female sex	0.00 -0.10	0.02	-0.16 -2.58	151.8 94.8	0.873 0.011	0.940 0.024	-0.04 -0.18	0.03
Base model (R² = .03)	Age at MRI	-0.04	0.05	-0.67 -0.88	161.0	0.505	0.544	-0.14 -0.14	0.07	Base mo	Age at MRI	-0.04	0.05	-0.66	157.2 144.8	0.508	0.547	-0.14	0.07
Ba (F	Age delta Height	-0.04 0.00	0.05 0.00	0.28	147.4 145.4	0.782	0.863 0.929	-0.01	0.05 0.01	88 E	Age delta Height	-0.04 0.00	0.00	-0.88 0.27	123.3	0.382 0.788	0.938	-0.14 -0.01	0.01
	TIV (Intercept)	0.00 -0.85	0.00	8.70 -1.27	466.1 134.9	0.000	0.000	0.00 -2.17	0.00		TIV (Intercept)	0.00 -0.80	0.00 0.67	8.72 -1.19	493.1 128.9	0.000	0.000	0.00 -2.12	0.00
le le	SBP (z-score) Female sex	-0.01 -0.10	0.02	-0.82 -2.47	207.4 91.6	0.414	0.784	-0.05 -0.17	0.02 -0.02	-	DBP (z-score) Female sex	-0.01 -0.10	0.02	-0.48 -2.49	156.0 91.2	0.633	0.790 0.026	-0.04 -0.18	0.03 -0.02
d mod	Age at MRI Age delta	-0.04 -0.04	0.05	-0.83 -0.74	155.9 144.2	0.410 0.462	0.519 0.863	-0.15 -0.13	0.06	d mod	Age at MRI Age delta	-0.04 -0.04	0.05 0.05	-0.83 -0.72	154.5 143.6	0.408	0.519 0.835	-0.15 -0.13	0.06
radjusted model (R² = .03)	Height TIV	0.00	0.00	0.10 8.59	179.5 429.9	0.922	0.977	-0.01 0.00	0.01	adjusted model (R² = .03)	Height TIV	0.00	0.00	-0.03 8.62	164.9 448.7	0.976	0.976	-0.01 0.00	0.01 0.00
=ullya	Non-European ethnicity	0.00	0.04	0.07	135.6	0.944	0.944	-0.08	0.08	e fillu =	Non-European ethnicity	0.00	0.04	0.09	135.4	0.929	0.929	-0.07	0.08
_	BMI (z-score) Parental education	0.03	0.02	1.89 -0.49	171.4 124.9	0.061 0.625	0.149 0.923	0.00 -0.02	0.07 0.01	_	BMI (z-score) Parental education	0.03	0.02 0.01	1.73 -0.48	147.9 125.0	0.086 0.634	0.186 0.917	0.00 -0.02	0.06 0.01
	Maternal age				140.7 sciculus (MI		0.770	-0.01	0.01		Maternal age		0.00 uperior longi				0.790	-0.01	0.01
_	(Intercept) SBP (z-score)	0.90 -0.03	0.67	1.35 -1.51	113.3 126.1	0.181	0.406	-0.43 -0.06	2.23 0.01	_	(Intercept) DBP (z-score)	1.02 -0.03	0.68	1.51 -1.44	103.2 123.9	0.135 0.152	0.369	-0.32 -0.06	2.36 0.01
= .02)	Female sex Age at MRI	-0.09 -0.08	0.04	-2.65 -1.36	201.3 96.1	0.009 0.177	0.022 0.354	-0.16 -0.19	-0.02 0.04	model = .02)	Female sex Age at MRI	-0.09 -0.08	0.04 0.06	-2.63 -1.36	196.5 95.0	0.009 0.178	0.024	-0.16 -0.19	-0.02 0.04
Base m (R² = .	Age delta Height	-0.06 -0.01	0.05	-1.15 -1.84	119.1 81.1	0.251	0.863 0.929	-0.16 -0.01	0.04	Base (R²	Age delta Height	-0.06 -0.01	0.05	-1.14 -2.16	118.4 81.2	0.255	0.835 0.476	-0.15 -0.01	0.04
	TIV	0.00	0.00	5.38	105.8	0.000	0.000	0.00	0.00		TIV	0.00	0.00	5.33	103.1	0.000	0.000	0.00	0.00
	(Intercept) SBP (z-score)	0.90 -0.02	0.68	1.32 -1.02	122.0 218.4	0.189 0.311	0.406 0.784	-0.45 -0.05	0.02		(Intercept) DBP (z-score)	0.96 -0.02	0.68 0.02	1.40 -1.34	116.9 139.1	0.163 0.183	0.369 0.427	-0.39 -0.06	2.31 0.01
model	Female sex Age at MRI	-0.09 -0.09	0.04	-2.58 -1.66	183.0 115.3	0.011 0.100	0.022	-0.16 -0.20	-0.02 0.02	model	Female sex Age at MRI	-0.09 -0.09	0.04	-2.54 -1.65	176.7 113.4	0.012 0.101	0.024 0.356	-0.16 -0.20	-0.02 0.02
sted = .03)	Age delta Height	-0.04 0.00	0.05	-0.89 -1.45	138.8 93.8	0.373 0.151	0.863	-0.14 -0.01	0.05	pajsr = (50) =	Age delta Height	-0.04 -0.01	0.05	-0.89 -1.60	137.5 97.9	0.374	0.835 0.653	-0.14 -0.01	0.05
Fully adjusted model (R ² = .03)	TIV Non-European ethnicity	0.00	0.00	5.43 1.65	90.8 243.1	0.000	0.000	0.00 -0.01	0.00 0.13	Fully adjusted m (R² = .03)	TIV Non-European ethnicity	0.00	0.00	5.41 1.69	90.2 243.0	0.000	0.000	0.00 -0.01	0.00 0.13
Fu	BMI (z-score) Parental education	-0.03 0.00	0.02	-1.87 0.27	159.7 422.3	0.064	0.149	-0.07 -0.01	0.00	3	BMI (z-score) Parental education	-0.04 0.00	0.02	-2.04 0.23	117.0 441.4	0.044	0.154 0.917	-0.07 -0.01	0.00 0.02
	Maternal age	0.00	0.00	-1.04	209.8	0.301	0.770	-0.01	0.00		Maternal age	0.00	0.00	-1.07	214.1	0.284	0.790	-0.01	0.02
	(Intercept)	0.35	0.64	0.55	155.2	0.587	0.632	-0.92	1.62		(Intercept)	0.36	0.65	0.56	136.7	0.579	0.624	-0.92	1.64
nodel 01)	SBP (z-score) Female sex	0.00 -0.11	0.02	0.07 -3.06	132.5 223.8	0.944	0.944 0.011	-0.03 -0.17	0.04 -0.04	model (10:	DBP (z-score) Female sex	0.01 -0.11	0.02	0.75 -3.10	201.5 231.3	0.453 0.002	0.790 0.007	-0.02 -0.17	0.04 -0.04
Base model (R² = .01)	Age at MRI Age delta	-0.09 0.03	0.05 0.05	-1.76 0.69	231.7 183.1	0.080 0.493	0.354 0.863	-0.19 -0.06	0.01 0.12	Base m	Age at MRI Age delta	-0.09 0.03	0.05 0.05	-1.78 0.71	227.4 179.9	0.077 0.477	0.356 0.835	-0.19 -0.06	0.01 0.13
8 -	Height TIV	0.00	0.00	-0.44 4.30	65.7 103.6	0.664	0.929	-0.01 0.00	0.01	B 0	Height TIV	0.00	0.00	-0.45 4.32	60.8 103.6	0.653	0.938	-0.01 0.00	0.01
	(Intercept) SBP (z-score)	0.25	0.66	0.38	150.1 140.8	0.705 0.448	0.705 0.784	-1.06 -0.02	1.56		(Intercept) DBP (z-score)	0.21	0.67	0.31	140.8 186.6	0.758	0.758 0.598	-1.11 -0.02	1.52
lebo	Female sex	-0.11	0.04	-3.19	225.0	0.002	0.009	-0.18	-0.04	ē	Female sex	-0.11	0.03	-3.22	234.1	0.001	0.005	-0.18	-0.04
adjusted model (R² = .02)	Age at MRI Age delta	-0.08 0.03	0.05 0.05	-1.57 0.59	194.6 172.8	0.118 0.557	0.354 0.865	-0.18 -0.07	0.02 0.12	adjusted model (R² = .02)	Age at MRI Age delta	-0.08 0.03	0.05 0.05	-1.57 0.59	193.8 169.7	0.117 0.557	0.356 0.847	-0.18 -0.07	0.02 0.12
adjust (R² = .	Height TIV	0.00	0.00	-0.26 4.30	64.0 114.3	0.796 0.000	0.929	-0.01 0.00	0.01	adjusta R² = .	Height TIV	0.00	0.00	-0.17 4.30	61.7 113.6	0.864	0.938	-0.01 0.00	0.01 0.00
Fully a	Non-European ethnicity BMI (z-score)	-0.03 -0.03	0.04	-0.61 -1.60	93.2 70.5	0.545 0.113	0.763 0.158	-0.11 -0.08	0.06	Fully a	Non-European ethnicity BMI (z-score)	-0.03 -0.03	0.04	-0.64 -1.52	93.4 66.1	0.526 0.133	0.736 0.186	-0.11 -0.07	0.06
	Parental education	0.00	0.01	0.30	68.1 111.3	0.768	0.923	-0.02 -0.01	0.01		Parental education	0.00	0.02	0.31	67.4 111.8	0.757 0.677	0.917	-0.07 -0.02 -0.01	0.02
	Maternal age		Min	or forceps ((MD)						Maternal age		Mino	r forceps (I	ID)				
) del	(Intercept) SBP (z-score)	-0.55 -0.02	0.62	-0.89 -0.83	217.8 145.4	0.375	0.460 0.784	-1.78 -0.05	0.67	- ■	(Intercept) DBP (z-score)	-0.51 -0.03	0.61	-0.82 -1.51	217.0 175.4	0.412	0.523 0.426	-1.72 -0.06	0.71
Base model (R² < .01)	Female sex Age at MRI	0.03	0.04 0.05	0.79 1.14	97.1 151.3	0.433 0.258	0.548 0.448	-0.05 -0.05	0.11 0.17	Base model (R ² < .01)	Female sex Age at MRI	0.03 0.06	0.04 0.05	0.83 1.16	97.1 153.9	0.411 0.250	0.523 0.434	-0.05 -0.04	0.11 0.17
Bas. (R ²	Age delta Height	-0.08 0.00	0.05	-1.61 0.28	147.2 120.1	0.110 0.778	0.770 0.929	-0.17 -0.01	0.02 0.01	Bask (R ²	Age delta Height	-0.08 0.00	0.05	-1.63 0.17	151.4 118.4	0.105 0.869	0.735 0.938	-0.17 -0.01	0.02 0.01
	TIV	0.00	0.00	-0.42 -0.85	158.9	0.672	0.672	0.00	0.00		TIV	0.00	0.00	-0.46	155.3 211.9	0.645	0.645	0.00	0.00
	(Intercept) SBP (z-score)	-0.02	0.02	-1.01	130.6	0.313	0.784	-0.06	0.02		(Intercept) DBP (z-score)	-0.03	0.02	-1.51	184.8	0.133	0.426	-0.06	0.01
model	Female sex Age at MRI	0.03 0.07	0.04 0.05	0.73 1.37	94.3 157.1	0.470 0.172	0.548 0.354	-0.05 -0.03	0.11 0.18	поде	Female sex Age at MRI	0.03 0.07	0.04 0.05	0.75 1.38	95.1 160.6	0.453 0.170	0.529 0.356	-0.05 -0.03	0.11 0.18
/ adjusted model (R² < .01)	Age delta Height	-0.09 0.00	0.05	-1.81 -0.03	144.9 115.1	0.072 0.977	0.770 0.977	-0.19 -0.01	0.01 0.01	adjusted model (R² < .01)	Age delta Height	-0.09 0.00	0.05 0.00	-1.82 -0.16	149.6 110.9	0.070 0.871	0.735 0.938	-0.19 -0.01	0.01 0.01
ly adju	TIV Non-European ethnicity	0.00	0.00	-0.66 -1.53	153.4 223.5	0.509 0.127	0.594	0.00	0.00	ly adju	TIV Non-European ethnicity	0.00	0.00	-0.68 -1.49	149.4 227.2	0.499	0.582	0.00	0.00
Fully	BMI (z-score) Parental education	0.02	0.02	1.03	94.2 76.9	0.305	0.356	-0.02 -0.02	0.02 0.02	Fully	BMI (z-score) Parental education	0.02	0.02	0.91	96.0 78.5	0.366 0.917	0.388	-0.02 -0.02	0.05 0.02
	Maternal age	0.00	0.00	0.47	80.9	0.640	0.770	-0.01	0.01		Maternal age	0.00	0.00	0.44	78.5 80.8	0.664	0.790	-0.02	0.02
>b== sta	rruard error; DT = degrees of free	zuom; FDR	- raise dis	covery rate	, LUI = lowe	a urnit of the	ະ ຯວ% conf	iderice inter	ıvar; UCI :	- upper limit of the 95%	confidence interval; TIV = Total i	nracranial v	voiurne.						

Table S11 - Vertex-wise analysis results

						IA THIC	KNESS (IMT)					CARO	TID DIST	ENSIBII	LITY
_				Thickness C		SE	Top region					hickness Co		SE	Top region
	(Intercept)	1	145744	2.66	3.01	0.17	superiorfrontal (8.35%, 99.97%)		(Intercept)	1	145744	2.66	3.01	0.17	superiorfrontal (8.35%, 99.97%)
	1	1	9277	2.68	-0.05	0.01	precuneus (35.81%, 45.46%)		1	1	9205	2.67	-0.05	0.01	precuneus (35.29%, 44.44%)
		2	3221	2.68	-0.04	0.01	rostralmiddlefrontal (93.76%, 41.70%)			2	3331	2.68	-0.04	0.01	rostralmiddlefrontal (93.31%, 42.91%)
		3	1903	2.68	0.06	0.01	precentral (94.80%, 16.80%)			3	1956	2.68	0.06	0.01	precentral (94.99%, 17.30%)
		4 5	1949 1653	2.60 2.65	0.06 0.07	0.01	postcentral (99.79%, 20.43%)			4 5	2004 1659	2.60 2.65	0.06 0.07	0.01	postcentral (99.60%, 20.97%)
		6	1483	2.60	-0.04	0.01	superiortemporal (71.57%, 16.27%) inferiorparietal (100%, 18.84%)			6	1448	2.60	-0.04	0.01	superiortemporal (72.57%, 16.56%) inferiorparietal (100%, 18.4%)
		7	905	2.68	0.07	0.02	superiortemporal (43.43%, 5.41%)			7	967	2.68	0.07	0.02	superiortemporal (41.99%, 5.58%)
		8	896	2.63	-0.04	0.01	superiorfrontal (71.09%, 5.23%)			8	898	2.63	-0.04	0.01	superiorfrontal (73.72%, 5.44%)
		9	918	2.77	0.05	0.01	pericalcarine (84.75%, 40.69%)			9	924	2.77	0.05	0.01	pericalcarine (84.52%, 40.85%)
	Female sex	10	1122	2.65	-0.04	0.01	supramarginal (60.7%, 7.92%)		Female sex	10	1163	2.64	-0.04	0.01	supramarginal (59.16%, 8.00%)
	orridio dos	11	1099	2.61	0.06	0.01	parahippocampal (82.98%, 49.62%)		i dilidio dox	11	1402	2.69	-0.04	0.01	paracentral (38.23%, 16.27%)
		12	1330	2.69	-0.04	0.01	paracentral (39.10%, 15.79%)			12	1082	2.61	0.06	0.01	parahippocampal (83.73%, 49.29%)
		13	1011	2.65	-0.04	0.01	insula (53.21%, 10.29%)			13	1065	2.65	-0.04	0.01	insula (52.77%, 10.75%)
		14 15	610 381	2.55 2.82	0.06 0.05	0.01 0.01	rostralanteriorcingulate (76.89%, 34.74 inferiortemporal (96.06%, 8.29%)			14 15	576 395	2.55 2.82	0.06 0.05	0.01 0.01	rostralanteriorcingulate (77.26%, 32.96 inferiortemporal (93.92%, 8.40%)
		16	560	2.74	0.05	0.01	paracentral (60.89%, 10.35%)			16	599	2.74	0.05	0.01	paracentral (61.77%, 11.23%)
		17	379	2.64	0.04	0.01	parsorbitalis (93.93%, 37.24%)			17	352	2.65	0.04	0.01	parsorbitalis (94.6%, 34.83%)
		18	484	2.71	-0.04	0.01	superiortemporal (82.23%, 5.47%)			18	502	2.71	-0.04	0.01	superiortemporal (81.27%, 5.61%)
ere		19	283	2.71	0.06	0.01	middletemporal (55.83%, 3.55%)	hemisphere		19	290	2.70	0.06	0.01	middletemporal (55.17%, 3.59%)
sb		20	292	2.78	-0.06	0.02	inferiortemporal (100%, 6.61%)	sph		20	298	2.78	-0.07	0.02	inferiortemporal (100%, 6.75%)
hemisphere	Age at MRI	1	58914	2.65	-0.04	0.01	superiorfrontal (9.66%, 46.74%)	emi		1	30836	2.64	-0.04	0.01	superiorfrontal (17.41%, 44.08%)
±	J	2	946	2.80	-0.03	0.01	fusiform (66.81%, 13.41%)		Age at MRI	2	27458	2.65	-0.03	0.01	inferiorparietal (17.38%, 60.64%)
Left	Height	1	980	2.63	0.00	0.00	lateralorbitofrontal (83.57%, 19.56%)	Left	——	3	956	2.80	-0.03 0.00	0.01	fusiform (66.11%, 13.41%)
		1	477 3226	2.53	-0.05	0.00	medialorbitofrontal (68.13%, 12.25%) lateraloccipital (54.06%, 27.34%)		Height	1 2	1007 418	2.64 2.53	0.00	0.00	lateralorbitofrontal (86.59%, 20.82%) medialorbitofrontal (73.68%, 11.61%)
	1	2	3610	2.00	-0.05	0.01	precuneus (45.93%, 22.69%)			1	4302	2.53	-0.06	0.00	precuneus (38.42%, 22.62%)
		3	2173	2.63	-0.06	0.01	inferiorparietal (39.94%, 11.03%)			2	3240	2.66	-0.05	0.01	lateraloccipital (54.01%, 27.43%)
		4	3014	2.61	-0.04	0.01	superiortemporal (36.16%, 14.99%)			3	2180	2.63	-0.04	0.01	inferiorparietal (39.72%, 11.00%)
		5	2250	2.71	-0.04	0.01	paracentral (45.87%, 31.33%)			4	2981	2.61	-0.04	0.01	superiortemporal (36.20%, 14.84%)
	1	6	1407	2.58	-0.04	0.01	isthmuscingulate (51.46%, 28.61%)		1	5	2265	2.71	-0.04	0.01	paracentral (45.92%, 31.57%)
	Ethnicity	7	672	2.72	-0.07	0.02	lingual (78.12%, 12.49%)		Ethnicity	6	1417	2.59	-0.04	0.01	isthmuscingulate (50.95%, 28.53%)
	1	8	615	2.59	-0.04	0.01	fusiform (95.61%, 12.47%)			7	628	2.59	-0.04	0.01	fusiform (95.54%, 12.73%)
		9	398	2.74	-0.06	0.02	inferiortemporal (83.92%, 7.57%)			8	381	2.74	-0.06	0.02	inferiortemporal (85.56%, 7.38%) lingual (100%, 6.14%)
		10 11	245 395	2.74 2.72	0.04 -0.04	0.01 0.01	lingual (100%, 5.83%) fusiform (56.2%, 4.71%)			9 10	258 234	2.74 2.68	0.04 0.07	0.01	superiortemporal (59.83%, 1.93%)
		12	211	2.68	0.07	0.01	superiortemporal (61.61%, 1.79%)			11	376	2.72	-0.04	0.02	fusiform (55.32%, 4.41%)
		13	422	2.76	-0.04	0.01	postcentral (94.79%, 4.20%)			12	419	2.76	-0.04	0.01	postcentral (95.47%, 4.20%)
		1	1828	2.69	0.03	0.01	fusiform (27.13%, 10.52%)			1	1539	2.69	0.03	0.01	fusiform (31.12%, 10.16%)
		2	982	2.66	0.03	0.01	lateraloccipital (93.99%, 14.47%)			2	982	2.65	0.03	0.01	lateraloccipital (94.3%, 14.52%)
	BMI (z)	3	692	2.66	-0.02	0.01	superiorfrontal (81.50%, 4.63%)		BMI (z)	3	607	2.67	-0.02	0.01	superiorfrontal (84.35%, 4.20%)
		4	587	2.60	0.02	0.01	postcentral (100%, 6.17%)			4	538	2.62	0.02	0.01	postcentral (100%, 5.65%)
	(Intercept)	5 1	522 145637	2.64	-0.02 3.00	0.01	superiorfrontal (73.95%, 3.17%) superiorfrontal (8.15%, 99.93%)		(Intercept)	5 1	477 145637	2.64	-0.02 3.00	0.01	superiorfrontal (71.07%, 2.78%)
	(intercept)	1	10092	2.68	-0.05	0.17	precuneus (53.55%, 67.76%)		(intercept)	1	9854	2.68	-0.05	0.01	superiorfrontal (8.15%, 99.93%) precuneus (52.84%, 65.29%)
		2	3423	2.62	-0.04	0.01	rostralmiddlefrontal (90.39%, 39.34%)			2	2906	2.61	-0.04	0.01	rostralmiddlefrontal (98.86%, 36.53%)
		3	2433	2.63	-0.04	0.01	superiorparietal (46.94%, 11.17%)			3	2389	2.63	-0.04	0.01	superiorparietal (47.80%, 11.17%)
		4	3142	2.69	-0.04	0.01	insula (55.92%, 34.52%)			4	1573	2.58	0.06	0.02	middletemporal (50.73%, 15.78%)
		5	1480	2.58	0.06	0.01	middletemporal (51.55%, 15.09%)			5	3155	2.69	-0.04	0.01	insula (55.69%, 34.52%)
		6	1297	2.59	0.05	0.01	pericalcarine (88.9%, 63.25%)			6	1279	2.59	0.05	0.01	pericalcarine (89.6%, 62.86%)
		7	1253	2.62	0.06	0.01	postcentral (100%, 13.71%)			7	1261	2.62	0.06	0.01	postcentral (100%, 13.8%)
		8 9	994 960	2.60 2.62	-0.04 0.06	0.01 0.01	rostralmiddlefrontal (90.34%, 11.42%) parahippocampal (64.79%, 35.71%)			8 9	989 948	2.62 2.54	0.07 -0.04	0.01 0.01	parahippocampal (62.69%, 35.59%) superiorfrontal (77.43%, 6.18%)
		10	1019	2.55	-0.04	0.01	superiorfrontal (76.45%, 6.56%)			10	785	2.54	-0.04	0.01	rostralmiddlefrontal (97.2%, 9.70%)
	Female sex	11	1076	2.63	0.03	0.01	postcentral (55.67%, 6.56%)		Female sex		100	2.00			
		12	861	2.63							1091	2.63	0.03	0.01	, , ,
		13			-0.04	0.01	inferiorparietal (100%, 8.9%)			11 12	1091 985	2.63 2.68	0.03 0.05	0.01 0.01	postcentral (54.81%, 6.54%)
	1		810	2.68	0.05	0.01				11					, , ,
		14	626	2.61	0.05 -0.04	0.01 0.01	inferiorparietal (100%, 8.9%) precentral (100%, 7.57%) lateralorbitofrontal (100%, 14.38%)			11 12 13 14	985 784 629	2.68 2.63 2.61	0.05 -0.04 -0.04	0.01 0.01 0.01	postcentral (54.81%, 6.54%) precentral (100%, 9.2%) inferiorparietal (100%, 8.1%) lateralorbitofrontal (100%, 14.45%)
		15	626 455	2.61 2.76	0.05 -0.04 -0.04	0.01 0.01 0.01	inferiorparietal (100%, 8.9%) precentral (100%, 7.57%) lateralorbitofrontal (100%, 14.38%) fusiform (100%, 9.76%)			11 12 13 14 15	985 784 629 581	2.68 2.63 2.61 2.54	0.05 -0.04 -0.04 0.04	0.01 0.01 0.01 0.01	postcentral (54.81%, 6.54%) precentral (100%, 9.2%) inferiorparietal (100%, 8.1%) lateralorbitofrontal (100%, 14.45%) postcentral (71.94%, 4.57%)
		15 16	626 455 528	2.61 2.76 2.54	0.05 -0.04 -0.04 0.04	0.01 0.01 0.01 0.01	inferiorparietal (100%, 8.9%) precentral (100%, 7.57%) lateralorbitofrontal (100%, 14.38%) fusiform (100%, 9.76%) postcentral (73.30%, 4.24%)			11 12 13 14 15 16	985 784 629 581 450	2.68 2.63 2.61 2.54 2.75	0.05 -0.04 -0.04 0.04 -0.04	0.01 0.01 0.01 0.01 0.01	postcentral (54.81%, 6.54%) precentral (100%, 9.2%) inferiorparietal (100%, 8.1%) lateralorbitofrontal (100%, 14.45%) postcentral (71.94%, 4.57%) fusiform (100%, 9.65%)
		15 16 17	626 455 528 467	2.61 2.76 2.54 2.67	0.05 -0.04 -0.04 0.04 -0.05	0.01 0.01 0.01 0.01 0.01	inferiorparietal (100%, 8.9%) precentral (100%, 7.57%) lateralorbitofrontal (100%, 14.38%) fusiform (100%, 9.76%) postcentral (73.30%, 4.24%) medialorbitofrontal (72.16%, 12.03%)			11 12 13 14 15 16	985 784 629 581 450 460	2.68 2.63 2.61 2.54 2.75 2.67	0.05 -0.04 -0.04 0.04 -0.04 -0.05	0.01 0.01 0.01 0.01 0.01 0.01	postcentral (54.81%, 6.54%) precentral (100%, 9.2%) inferiorparietal (100%, 8.1%) lateralorbitofrontal (100%, 14.45%) postcentral (71.94%, 4.57%) fusiform (100%, 9.65%) fusiform (100%, 9.65%)
9.		15 16 17 18	626 455 528 467 519	2.61 2.76 2.54 2.67 2.77	0.05 -0.04 -0.04 0.04 -0.05 -0.04	0.01 0.01 0.01 0.01 0.01 0.01	inferiorparietal (100%, 8.9%) precentral (100%, 7.57%) lateralorbitornatal (100%, 14.38%) fusiform (100%, 9.76%) postcentral (73.30%, 4.24%) medialorbitornatal (72.16%, 12.03%) superiortemporal (80.73%, 6.10%)	re		11 12 13 14 15 16 17	985 784 629 581 450 460 504	2.68 2.63 2.61 2.54 2.75 2.67 2.78	0.05 -0.04 -0.04 0.04 -0.04 -0.05 -0.04	0.01 0.01 0.01 0.01 0.01 0.01 0.01	postcentral (54.81%, 6.54%) precentral (100%, 9.2%) inferiorparietal (100%, 8.1%) lateralorbitofrontal (100%, 14.45%) postcentral (71.94%, 4.57%) fusiform (100%, 9.65%) medialorbitofrontal (73.04%, 12.00%) superiortemporal (81.15%, 5.96%)
ohere		15 16 17 18 19	626 455 528 467 519 518	2.61 2.76 2.54 2.67 2.77 2.70	0.05 -0.04 -0.04 0.04 -0.05 -0.04	0.01 0.01 0.01 0.01 0.01 0.01 0.01	inferiorparietal (100%, 8.9%) precentral (100%, 7.57%) lateralorbitofrontal (100%, 14.38%) fusiform (100%, 9.76%) postcentral (73.30%, 4.24%) medialorbitofrontal (72.16%, 12.03%) superiortemporal (80.73%, 6.10%) supramarginal (100%, 6.36%)	chere		11 12 13 14 15 16 17 18	985 784 629 581 450 460 504 529	2.68 2.63 2.61 2.54 2.75 2.67 2.78 2.69	0.05 -0.04 -0.04 0.04 -0.04 -0.05 -0.04	0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01	postcentral (54.81%, 6.54%) precentral (100%, 9.2%) inferiorparietal (100%, 8.1%) lateralorbitofrontal (100%, 14.45%) postcentral (71.94%, 4.57%) fusiform (100%, 9.65%) medialorbitofrontal (73.04%, 12.00%) superiortemporal (81.15%, 5.96%) supramarginal (100%, 6.49%)
nisphere		15 16 17 18	626 455 528 467 519	2.61 2.76 2.54 2.67 2.77	0.05 -0.04 -0.04 0.04 -0.05 -0.04	0.01 0.01 0.01 0.01 0.01 0.01	inferiorparietal (100%, 8.9%) precentral (100%, 7.57%) lateralorbitornatal (100%, 14.38%) fusiform (100%, 9.76%) postcentral (73.30%, 4.24%) medialorbitornatal (72.16%, 12.03%) superiortemporal (80.73%, 6.10%)	nisphere		11 12 13 14 15 16 17	985 784 629 581 450 460 504	2.68 2.63 2.61 2.54 2.75 2.67 2.78	0.05 -0.04 -0.04 0.04 -0.04 -0.05 -0.04	0.01 0.01 0.01 0.01 0.01 0.01 0.01	postcentral (54.81%, 6.54%) precentral (100%, 9.2%) inferiorparietal (100%, 8.1%) lateralorbitofrontal (100%, 14.45%) postcentral (71.94%, 4.57%) fusiform (100%, 9.65%) medialorbitofrontal (73.04%, 12.00%) superiortemporal (81.15%, 5.96%)
hemisphere		15 16 17 18 19 20	626 455 528 467 519 518 247	2.61 2.76 2.54 2.67 2.77 2.70 2.63	0.05 -0.04 -0.04 -0.05 -0.04 -0.04	0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01	inferiorparietal (100%, 8.9%) precentral (100%, 7.57%) lateralorbitofrontal (100%, 14.38%) fusiform (100%, 9.76%) postcentral (73.30%, 4.24%) medialorbitofrontal (72.16%, 12.03%) superiortemporal (80.73%, 6.10%) supramarginal (100%, 6.36%) parsorbitalis (100%, 26.11%)	hemisphere		11 12 13 14 15 16 17 18 19 20	985 784 629 581 450 460 504 529 398	2.68 2.63 2.61 2.54 2.75 2.67 2.78 2.69 2.65	0.05 -0.04 -0.04 0.04 -0.05 -0.04 -0.04 -0.04	0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01	postcentral (54.81%, 6.54%) precentral (100%, 9.2%) inferiorparietal (100%, 8.1%) lateralorbitofrontal (100%, 14.45%) postcentral (71.94%, 4.57%) fusiform (100%, 9.65%) medialorbitofrontal (73.04%, 12.00%) superiortemporal (81.15%, 5.96%) supramarginal (110%, 6.49%) superiorfrontal (60.80%, 2.04%)
ght hemisphere		15 16 17 18 19 20	626 455 528 467 519 518 247 37166	2.61 2.76 2.54 2.67 2.77 2.70 2.63 2.65	0.05 -0.04 -0.04 0.04 -0.05 -0.04 -0.04 -0.04	0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01	inferiorparietal (100%, 8.9%) precentral (100%, 7.57%) lateralorbitornal (100%, 14.38%) fusiform (100%, 9.76%) postcentral (73.30%, 4.24%) medialorbitornal (72.16%, 12.03%) superiortemporal (80.73%, 6.10%) supramarginal (100%, 6.36%) parsorbitalis (100%, 6.811%) precuneus (15.52%, 72.34%)	ght hemisphere		11 12 13 14 15 16 17 18 19 20 21	985 784 629 581 450 460 504 529 398 248	2.68 2.63 2.61 2.54 2.75 2.67 2.78 2.69 2.65 2.63	0.05 -0.04 -0.04 -0.04 -0.05 -0.04 -0.04 -0.04	0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01	postcentral (54.81%, 6.54%) precentral (100%, 9.2%) inferiorparietal (100%, 8.1%) lateralorbitofrontal (100%, 14.45%) postcentral (71.94%, 4.57%) fusiform (100%, 9.65%) medialorbitofrontal (73.04%, 12.00%) superiortemporal (81.15%, 5.96%) supramarginal (100%, 6.49%) superiorbital (60.80%, 2.04%) parsorbitalis (100%, 28.22%)
Right hemisphere	Age at MRI	15 16 17 18 19 20 1 2 3 4	626 455 528 467 519 518 247 37166 12410 2415 1168	2.61 2.76 2.54 2.67 2.77 2.70 2.63 2.65 2.64 2.69 2.70	0.05 -0.04 -0.04 -0.05 -0.04 -0.04 -0.04 -0.03 -0.03	0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01	inferiorparietal (100%, 8.9%) precentral (100%, 7.57%) lateralorbitornal (100%, 14.38%) fusiform (100%, 9.76%) postcentral (73.30%, 4.24%) medialorbitornal (72.16%, 12.03%) superiortemporal (80.73%, 6.10%) supramarginal (100%, 6.36%) parsorbitalis (100%, 6.36%) precuneus (15.52%, 72.34%) inferiorparietal (44.79%, 57.44%) lateraloccipital (45.51%, 18.43%) fusiform (94.01%, 23.56%)	Right hemisphere		11 12 13 14 15 16 17 18 19 20 21 1 2	985 784 629 581 450 460 504 529 398 248 36994 12384 2412	2.68 2.63 2.61 2.54 2.75 2.67 2.78 2.69 2.65 2.63 2.65 2.64 2.69	0.05 -0.04 -0.04 -0.04 -0.05 -0.04 -0.04 -0.04 -0.04 -0.03 -0.03	0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01	postcentral (54.81%, 6.54%) precentral (100%, 9.2%) inferiorparietal (100%, 8.1%) lateralorbitofrontal (100%, 14.45%) postcentral (71.94%, 4.57%) fusiform (100%, 9.65%) medialorbitofrontal (73.04%, 12.00%) superiortemporal (81.15%, 5.96%) supramarginal (100%, 6.49%) superiortal (60.80%, 2.04%) parsorbitalis (100%, 26.22%) precuneus (15.59%, 72.34%) inferiorparietal (44.89%, 57.45%) lateraloccipital (46.48%, 18.80%)
Right hemisphere	Age at MRI	15 16 17 18 19 20 1 2 3 4 5	626 455 528 467 519 518 247 37166 12410 2415 1168 663	2.61 2.76 2.54 2.67 2.77 2.70 2.63 2.65 2.64 2.69 2.70 2.71	0.05 -0.04 -0.04 -0.05 -0.04 -0.04 -0.04 -0.03 -0.03 -0.03 -0.03	0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01	inferiorparietal (100%, 8.9%) precentral (100%, 7.57%) lateralorbitforntal (100%, 14.38%) fusiform (100%, 9.76%) postcentral (73.30%, 4.24%) medialorbitofrontal (72.16%, 12.03%) superiortemporal (80.73%, 6.10%) supramarginal (100%, 6.36%) parsorbitalis (100%, 26.11%) precuneus (15.52%, 72.34%) inferiorparietal (44.79%, 57.44%) lateralocoipital (45.51%, 18.43%) fusiform (94.01%, 23.56%) precentral (48.42%, 3.00%)	Right hemisphere	Age at MRI	11 12 13 14 15 16 17 18 19 20 21 1 2	985 784 629 581 450 460 504 529 398 248 36994 12384 2412 1101	2.68 2.63 2.61 2.54 2.75 2.67 2.78 2.69 2.65 2.63 2.65 2.64 2.69 2.70	0.05 -0.04 -0.04 -0.04 -0.05 -0.04 -0.04 -0.04 -0.04 -0.03 -0.03 -0.03	0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01	postcentral (54.81%, 6.54%) precentral (100%, 9.2%) inferiorparietal (100%, 8.1%) lateralorbitofrontal (100%, 14.45%) postcentral (71.94%, 4.57%) fusiform (100%, 9.65%) medialorbitofrontal (73.04%, 12.00%) superiortemporal (81.15%, 5.96%) supramarginal (100%, 6.49%) superiorfrontal (60.80%, 2.04%) parsorbitalis (100%, 26.22%) precuneus (15.59%, 72.34%) inferiorparietal (44.89%, 57.45%) lateraloccipital (46.48%, 18.80%) fusiform (92.73%, 21.91%)
Right hemisphere	Age at MRI	15 16 17 18 19 20 1 2 3 4 5 6	626 455 528 467 519 518 247 37166 12410 2415 1168 663 603	2.61 2.76 2.54 2.67 2.77 2.70 2.63 2.65 2.64 2.69 2.70 2.71 2.62	0.05 -0.04 -0.04 -0.05 -0.04 -0.04 -0.04 -0.03 -0.03 -0.03 -0.03	0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01	inferiorparietal (100%, 8.9%) precentral (100%, 7.57%) lateralorbitofrontal (100%, 14.38%) fusiform (100%, 9.76%) postcentral (73.30%, 4.24%) medialorbitofrontal (72.16%, 12.03%) superiortemporal (80.73%, 6.10%) supramarginal (100%, 6.36%) parsorbitalis (100%, 26.11%) precuneus (15.52%, 72.34%) inferiorparietal (44.79%, 57.44%) lateraloccipital (45.51%, 18.43%) fusiform (94.01%, 23.56%) precentral (48.42%, 3.00%) superiorfrontal (36.98%, 1.88%)	Right hemisphere		11 12 13 14 15 16 17 18 19 20 21 1 2 3 4 5	985 784 629 581 450 460 504 529 398 248 36994 12384 12412 1101 625	2.68 2.63 2.61 2.54 2.75 2.67 2.78 2.69 2.65 2.63 2.65 2.64 2.69 2.70 2.71	0.05 -0.04 -0.04 -0.04 -0.05 -0.04 -0.04 -0.04 -0.03 -0.03 -0.03 -0.03	0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01	postcentral (54.81%, 6.54%) precentral (100%, 9.2%) inferiorparietal (100%, 8.1%) lateralorbitofrontal (100%, 14.45%) postcentral (71.94%, 4.57%) fusiform (100%, 9.65%) medialorbitofrontal (73.04%, 12.00%) superiortemporal (81.15%, 5.96%) superiortemporal (81.15%, 5.96%) superiorfrontal (60.80%, 2.04%) parsorbitalis (100%, 26.22%) precuneus (15.59%, 72.34%) inferiorparietal (44.89%, 57.45%) lateraloccipital (46.48%, 18.80%) fusiform (92.73%, 21.91%) precentral (49.44%, 2.89%)
Right hemisphere	Age at MRI	15 16 17 18 19 20 1 2 3 4 5 6	626 455 528 467 519 518 247 37166 12410 2415 1168 663 603 458	2.61 2.76 2.54 2.67 2.77 2.70 2.63 2.65 2.64 2.69 2.70 2.71 2.62 2.53	0.05 -0.04 -0.04 -0.05 -0.04 -0.04 -0.04 -0.03 -0.03 -0.03 -0.03 -0.03	0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01	inferiorparietal (100%, 8.9%) precentral (100%, 7.57%) lateralorbitornatal (100%, 14.38%) fusiform (100%, 9.76%) postcentral (73.30%, 4.24%) medialorbitornatal (72.16%, 12.03%) superiortemporal (80.73%, 6.10%) supramarginal (100%, 6.36%) parsorbitalis (100%, 6.36%) parsorbitalis (100%, 6.11%) precuneus (15.52%, 72.34%) inferiorparietal (44.79%, 57.44%) lateralocopital (45.51%, 18.43%) fusiform (94.01%, 23.56%) precentral (48.42%, 3.00%) superiorfrontal (36.98%, 1.88%) caudalmiddlefrontal (100%, 13.11%)	Right hemisphere		11 12 13 14 15 16 17 18 19 20 21 1 2 3 4 5 6	985 784 629 581 450 460 504 529 398 248 36994 12384 2412 1101 625 591	2.68 2.63 2.61 2.54 2.75 2.67 2.78 2.69 2.65 2.63 2.65 2.64 2.69 2.70 2.71 2.62	0.05 -0.04 -0.04 -0.04 -0.05 -0.04 -0.04 -0.04 -0.03 -0.03 -0.03 -0.03	0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01	postcentral (54.81%, 6.54%) precentral (100%, 9.2%) inferiorparietal (100%, 8.1%) lateralorbitofrontal (100%, 14.45%) postcentral (71.94%, 4.57%) fusiform (100%, 9.65%) medialorbitofrontal (73.04%, 12.00%) superiortemporal (81.15%, 5.96%) supramarginal (100%, 6.49%) superiorfrontal (60.80%, 2.04%) parsorbitalis (100%, 26.22%) precuneus (15.59%, 72.34%) inferiorparietal (44.89%, 57.45%) lateraloccipital (46.48%, 18.80%) fusiform (92.73%, 21.91%) precentral (49.44%, 2.89%) superiorfrontal (35.87%, 1.78%)
Right hemisphere		15 16 17 18 19 20 1 2 3 4 5 6 7	626 455 528 467 519 518 247 37166 12410 2415 1168 663 603 458 673	2.61 2.76 2.54 2.67 2.77 2.70 2.63 2.65 2.64 2.69 2.70 2.71 2.62 2.53 2.74	0.05 -0.04 -0.04 -0.05 -0.04 -0.04 -0.04 -0.03 -0.03 -0.03 -0.03 -0.03 -0.03	0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01	inferiorparietal (100%, 8.9%) precentral (100%, 7.57%) lateralorbitforntal (100%, 14.38%) fusiform (100%, 9.76%) postcentral (73.30%, 4.24%) medialorbitofrontal (72.16%, 12.03%) superiortemporal (80.73%, 6.10%) supramarginal (100%, 6.36%) parsorbitalis (100%, 26.11%) precuneus (15.52%, 72.34%) inferiorparietal (44.79%, 57.44%) lateraloccipital (45.51%, 18.43%) fusiform (94.01%, 23.56%) precentral (48.42%, 3.00%) superiorfrontal (36.98%, 1.88%) caudalmiddlefrontal (100%, 13.11%) supramarginal (94.06%, 7.77%)	Right hemisphere		11 12 13 14 15 16 17 18 19 20 21 1 2 3 4 5 6 7	985 784 629 581 450 460 504 529 398 248 36994 12384 2412 1101 625 591 438	2.68 2.63 2.61 2.54 2.75 2.67 2.78 2.69 2.63 2.65 2.64 2.69 2.70 2.71 2.62 2.53	0.05 -0.04 -0.04 -0.04 -0.05 -0.04 -0.04 -0.04 -0.03 -0.03 -0.03 -0.03 -0.03	0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01	postcentral (54.81%, 6.54%) precentral (100%, 9.2%) inferiorparietal (100%, 8.1%) lateralorbitofrontal (100%, 14.45%) postcentral (71.94%, 4.57%) fusiform (100%, 9.65%) medialorbitofrontal (73.04%, 12.00%) superiortemporal (81.15%, 5.96%) supramarginal (100%, 6.49%) superiortemporal (60.80%, 2.04%) parsorbitalis (100%, 26.22%) precuneus (15.59%, 72.34%) inferiorparietal (44.89%, 57.45%) lateraloccipital (46.48%, 18.80%) fusiform (92.73%, 21.91%) precentral (49.44%, 2.89%) superiorfrontal (35.87%, 1.78%)
Right hemisphere	Age at MRI Height	15 16 17 18 19 20 1 2 3 4 5 6 7 8	626 455 528 467 519 518 247 37166 12410 2415 1168 663 603 458 673	2.61 2.76 2.54 2.67 2.70 2.63 2.65 2.64 2.69 2.70 2.71 2.62 2.53 2.74	0.05 -0.04 -0.04 -0.05 -0.04 -0.04 -0.04 -0.03 -0.03 -0.03 -0.03 -0.03 -0.03 -0.03	0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01	inferiorparietal (100%, 8.9%) precentral (100%, 7.57%) lateraloritofrontal (100%, 14.38%) fusiform (100%, 9.76%) postcentral (73.30%, 4.24%) medialorbitofrontal (72.16%, 12.03%) superiortemporal (80.73%, 6.10%) superamarginal (100%, 6.36%) parsorbitalis (100%, 26.11%) precuneus (15.52%, 72.34%) inferiorparietal (44.79%, 57.44%) lateraloccipital (45.51%, 18.43%) fusiform (94.01%, 23.56%) precentral (48.42%, 3.00%) superiorfrontal (36.98%, 1.88%) caudalmiddlefrontal (100%, 13.11%) supramarginal (94.06%, 7.77%) lateralorbitofrontal (100%, 15.85%)	Right hemisphere	Age at MRI	11 12 13 14 15 16 17 18 19 20 21 1 2 3 4 5 6 7 8	985 784 629 581 450 460 504 529 398 248 36994 12384 2412 1101 625 591 438 660	2.68 2.63 2.61 2.54 2.75 2.67 2.78 2.65 2.63 2.65 2.64 2.70 2.71 2.69 2.70 2.71	0.05 -0.04 -0.04 -0.05 -0.04 -0.04 -0.04 -0.04 -0.03 -0.03 -0.03 -0.03 -0.03 -0.03 -0.03	0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01	postcentral (54.81%, 6.54%) precentral (100%, 9.2%) inferiorparietal (100%, 8.1%) lateralorbitofrontal (100%, 14.45%) postcentral (71.94%, 4.57%) fusiform (100%, 9.65%) medialorbitofrontal (73.04%, 12.00%) superiortemporal (81.15%, 5.96%) superiortemporal (81.15%, 5.96%) superiorfrontal (60.80%, 2.04%) parsorbitalis (100%, 26.22%) precuneus (15.59%, 72.34%) inferiorparietal (44.89%, 57.45%) lateraloccipital (46.46%, 18.80%) fusiform (92.73%, 21.91%) precentral (49.44%, 2.89%) superiorfrontal (58.87%, 1.78%) caudalmiddlefrontal (100%, 12.54%) supramarginal (93.48%, 7.57%)
Right hemisphere		15 16 17 18 19 20 1 2 3 4 5 6 7	626 455 528 467 519 518 247 37166 12410 2415 1168 663 603 458 673	2.61 2.76 2.54 2.67 2.77 2.70 2.63 2.65 2.64 2.69 2.70 2.71 2.62 2.53 2.74	0.05 -0.04 -0.04 -0.05 -0.04 -0.04 -0.04 -0.03 -0.03 -0.03 -0.03 -0.03 -0.03	0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01	inferiorparietal (100%, 8.9%) precentral (100%, 7.57%) lateralorbitforntal (100%, 14.38%) fusiform (100%, 9.76%) postcentral (73.30%, 4.24%) medialorbitofrontal (72.16%, 12.03%) superiortemporal (80.73%, 6.10%) supramarginal (100%, 6.36%) parsorbitalis (100%, 26.11%) precuneus (15.52%, 72.34%) inferiorparietal (44.79%, 57.44%) lateraloccipital (45.51%, 18.43%) fusiform (94.01%, 23.56%) precentral (48.42%, 3.00%) superiorfrontal (36.98%, 1.88%) caudalmiddlefrontal (100%, 13.11%) supramarginal (94.06%, 7.77%)	Right hemisphere		11 12 13 14 15 16 17 18 19 20 21 1 2 3 4 5 6 7	985 784 629 581 450 460 504 529 398 248 36994 12384 2412 1101 625 591 438	2.68 2.63 2.61 2.54 2.75 2.67 2.78 2.69 2.63 2.65 2.64 2.69 2.70 2.71 2.62 2.53	0.05 -0.04 -0.04 -0.04 -0.05 -0.04 -0.04 -0.04 -0.03 -0.03 -0.03 -0.03 -0.03	0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01	postcentral (54.81%, 6.54%) precentral (100%, 9.2%) inferiorparietal (100%, 8.1%) lateralorbitofrontal (100%, 14.45%) postcentral (71.94%, 4.57%) fusiform (100%, 9.65%) medialorbitofrontal (73.04%, 12.00%) superiortemporal (81.15%, 5.96%) supramarginal (100%, 6.49%) superiortemporal (60.80%, 2.04%) parsorbitalis (100%, 26.22%) precuneus (15.59%, 72.34%) inferiorparietal (44.89%, 57.45%) lateraloccipital (46.48%, 18.80%) fusiform (92.73%, 21.91%) precentral (49.44%, 2.89%) superiorfrontal (35.87%, 1.78%)
Right hemisphere		15 16 17 18 19 20 1 2 3 4 5 6 7 8	626 455 528 467 519 518 247 37166 12410 2415 1168 663 603 458 673 690 272	2.61 2.76 2.54 2.67 2.77 2.70 2.63 2.65 2.64 2.69 2.70 2.71 2.62 2.53 2.74 2.60 2.65	0.05 -0.04 -0.04 -0.05 -0.05 -0.04 -0.04 -0.04 -0.03 -0.03 -0.03 -0.03 -0.03 -0.03	0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01	inferiorparietal (100%, 8.9%) precentral (100%, 7.57%) lateralorbitornatal (100%, 14.38%) fusiform (100%, 9.76%) postcentral (73.30%, 4.24%) medialorbitornatal (73.30%, 4.24%) superiortemporal (80.73%, 6.10%) supramarginal (100%, 6.36%) parsorbitalis (100%, 6.36%) parsorbitalis (100%, 6.11%) precuneus (15.52%, 72.34%) inferiorparietal (44.79%, 57.44%) lateralocojtal (45.51%, 8.43%) fusiform (94.01%, 23.56%) precentral (48.42%, 3.00%) superiorfrontal (36.98%, 1.88%) caudalmiddlefrontal (100%, 13.11%) supramarginal (94.06%, 7.77%) lateralorbitofrontal (100%, 15.85%) lateralocojtal (58.46%, 2.67%)	Right hemisphere	Age at MRI	11 12 13 14 15 16 17 18 19 20 21 1 2 3 4 5 6 7 8	985 784 629 581 450 460 504 529 398 248 36994 12384 2412 1101 625 591 438 660 710	2.68 2.63 2.61 2.54 2.75 2.67 2.78 2.65 2.63 2.65 2.64 2.70 2.71 2.62 2.71 2.62 2.71 2.62 2.71	0.05 -0.04 -0.04 -0.04 -0.05 -0.04 -0.04 -0.04 -0.03 -0.03 -0.03 -0.03 -0.03 -0.03 -0.03	0.01 0.01	postcentral (54.81%, 6.54%) precentral (100%, 9.2%) inferiorparietal (100%, 8.1%) lateralorbitofrontal (100%, 14.45%) postcentral (71.94%, 4.57%) fusion (100%, 9.65%) medialorbitofrontal (73.04%, 12.00%) superiortemporal (81.15%, 5.96%) superiortemporal (81.15%, 5.96%) superiortemporal (60.80%, 2.04%) parsorbitalis (100%, 26.22%) precuneus (15.59%, 72.34%) inferiorparietal (44.89%, 57.45%) lateraloccipital (46.48%, 18.80%) fusion (19.273%, 21.91%) precentral (49.44%, 2.89%) superiorfrontal (35.87%, 1.78%) superiorfrontal (35.87%, 1.78%) superiorfrontal (35.87%, 1.78%) lateralorbitofrontal (100%, 16.31%) lateraloccipital (69.83%, 2.40%) precuneus (37.03%, 24.48%)
Right hemisphere		15 16 17 18 19 20 1 2 3 4 5 6 7 8	626 455 528 467 519 518 247 37166 12410 2415 1168 663 603 458 673 690 272	2.61 2.76 2.54 2.67 2.77 2.70 2.63 2.65 2.64 2.69 2.70 2.71 2.62 2.53 2.74 2.65 2.65	0.05 -0.04 -0.04 -0.05 -0.05 -0.04 -0.04 -0.04 -0.03 -0.03 -0.03 -0.03 -0.03 -0.03 -0.00 -0.00	0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01	inferiorparietal (100%, 8.9%) precentral (100%, 7.57%) lateralorbitofrontal (100%, 14.38%) fusiform (100%, 9.76%) postcentral (73.30%, 4.24%) medialorbitofrontal (72.16%, 12.03%) superiortemporal (80.73%, 6.10%) supramarginal (100%, 6.36%) parsorbitalis (100%, 26.11%) precuneus (15.52%, 72.34%) inferiorparietal (44.79%, 57.44%) lateraloccipital (45.51%, 18.43%) fusiform (94.01%, 23.56%) precentral (48.42%, 3.00%) superiorfrontal (36.98%, 1.88%) caudalmiddlefrontal (100%, 13.11%) supramarginal (94.06%, 7.77%) lateralocipital (58.46%, 2.67%) precuneus (37.02%, 24.34%)	Right hemisphere	Age at MRI	11 12 13 14 15 16 17 18 19 20 21 1 2 3 4 5 6 6 7 8	985 784 629 581 450 460 504 529 398 248 241 2412 1101 625 591 438 660 710	2.68 2.63 2.61 2.54 2.75 2.67 2.69 2.65 2.63 2.65 2.64 2.69 2.70 2.71 2.62 2.53 2.71 2.62	0.05 -0.04 -0.04 -0.05 -0.04 -0.04 -0.04 -0.04 -0.04 -0.03 -0.03 -0.03 -0.03 -0.03 -0.03 -0.03 -0.03	0.01 0.01	postcentral (54.81%, 6.54%) precentral (100%, 9.2%) inferiorparietal (100%, 8.1%) lateralorbitofrontal (100%, 14.45%) postcentral (71.94%, 4.57%) fusiform (100%, 9.65%) medialorbitofrontal (73.04%, 12.00%) superiortemporal (81.15%, 5.96%) superiortemporal (81.15%, 5.96%) superiortemporal (60.80%, 2.04%) parsorbitalis (100%, 64.99%) superiortental (60.80%, 2.04%) precuneus (15.59%, 72.34%) inferiorparietal (44.89%, 57.45%) lateraloccipital (46.48%, 18.80%) fusiform (92.73%, 21.91%) precentral (49.44%, 2.89%) superiorfrontal (35.87%, 1.78%) caudalmiddlefrontal (100%, 12.54%) supramarginal (93.48%, 7.57%) lateraloccipital (59.83%, 2.40%) precuneus (37.03%, 24.48%) lateraloccipital (77.52%, 47.01%)
Right hemisphere		15 16 17 18 19 20 1 2 3 4 5 6 7 8	626 455 528 467 519 518 247 37166 12410 2415 1168 663 458 673 690 272 5243 3589 1809 2284	2.61 2.76 2.54 2.67 2.77 2.70 2.63 2.65 2.69 2.70 2.71 2.62 2.53 2.74 2.65 2.65 2.65 2.65 2.65 2.65 2.65 2.65	0.05 -0.04 -0.04 -0.05 -0.04 -0.05 -0.04 -0.03 -0.03 -0.03 -0.03 -0.03 -0.03 -0.03 -0.03 -0.03 -0.04 -0.04 -0.05	0.01 0.00 0.00	inferiorparietal (100%, 8.9%) precentral (100%, 7.57%) precentral (100%, 7.57%) fusiform (100%, 9.76%) postcentral (73.30%, 4.24%) medialoribiforntal (72.16%, 12.03%) superiortemporal (80.73%, 6.10%) supramarginal (100%, 6.36%) parsorbitalis (100%, 26.11%) precuneus (15.52%, 72.34%) inferiorparietal (44.79%, 57.44%) lateraloccipital (45.51%, 18.43%) fusiform (94.01%, 23.56%) precentral (48.42%, 3.00%) superiorfrontal (36.98%, 1.88%) caudalmiddlefrontal (100%, 13.11%) supramarginal (94.06%, 7.77%) lateralocipital (58.46%, 2.67%) precuneus (37.02%, 24.34%) lateraloccipital (76.68%, 2.67%) inferiorparietal (30.74%, 5.75%) inferiorparietal (30.74%, 5.75%) superiortemporal (49.39%, 16.42%)	Right hemisphere	Age at MRI	11 12 13 14 15 16 17 18 19 20 21 1 2 3 4 4 5 6 7 8 1 2 2 3	985 784 629 581 450 460 504 529 398 248 36994 123842 1101 625 591 438 660 710 239 5272 3616 1812	2.68 2.63 2.61 2.54 2.75 2.78 2.69 2.65 2.63 2.65 2.69 2.70 2.71 2.62 2.53 2.74 2.69 2.60 2.62 2.53 2.74 2.69 2.65 2.64 2.69 2.70 2.70 2.70 2.70 2.70 2.70 2.70 2.70	0.05 -0.04 -0.04 -0.04 -0.05 -0.04 -0.04 -0.04 -0.03 -0.03 -0.03 -0.03 -0.03 -0.03 -0.03 -0.03 -0.03 -0.03 -0.03 -0.03 -0.03	0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01	postcentral (54.81%, 6.54%) precentral (100%, 9.2%) inferiorparietal (100%, 8.1%) lateralorbitofrontal (100%, 14.45%) postcentral (71.94%, 4.57%) fusiform (100%, 9.65%) medialorbitofrontal (73.04%, 12.00%) superiortemporal (81.15%, 5.96%) supramarginal (100%, 6.49%) superiortemporal (81.15%, 5.96%) superiortemporal (68.0%, 2.04%) parsorbitalis (100%, 26.22%) precuneus (15.59%, 72.34%) inferiorparietal (44.89%, 18.80%) fusiform (92.73%, 21.91%) precentral (49.44%, 2.89%) superiorfrontal (35.87%, 1.78%) caudalmiddlefrontal (100%, 12.54%) supramarginal (93.48%, 7.57%) lateraloccipital (69.83%, 2.40%) precuneus (37.03%, 24.48%) lateraloctipital (59.83%, 2.40%) precuneus (37.03%, 24.48%) lateraloccipital (75.25%, 47.01%) inferiorparietal (31.24%, 5.85%)
Right hemisphere	Height	15 16 17 18 19 20 1 2 3 4 5 6 7 8 1 2	626 455 528 467 519 518 2416 12410 2415 1168 663 458 673 690 272 5243 3589 1809 2284 885	2.61 2.76 2.54 2.67 2.77 2.70 2.63 2.65 2.64 2.69 2.70 2.71 2.62 2.53 2.74 2.60 2.63 2.65 2.64 2.60 2.53 2.74 2.60 2.63	0.05 -0.04 -0.04 -0.05 -0.04 -0.04 -0.04 -0.03 -0.03 -0.03 -0.03 -0.03 -0.03 -0.05 -0.05 -0.05	0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01	inferiorparietal (100%, 8.9%) precentral (100%, 7.57%) lateralorbitofrontal (100%, 14.38%) fusiform (100%, 9.76%) postcentral (73.30%, 4.24%) medialorbitofrontal (72.16%, 12.03%) superiortemporal (80.73%, 6.10%) supramarginal (100%, 6.36%) parsorbitalis (100%, 26.11%) precuneus (15.52%, 72.34%) inferiorparietal (44.79%, 57.44%) lateraloccipital (45.51%, 18.43%) fusiform (94.01%, 23.56%) precentral (48.42%, 3.00%) superiorfrontal (36.98%, 1.88%) caudalmiddlefrontal (100%, 13.11%) supramarginal (94.06%, 7.77%) lateralocipital (58.46%, 2.67%) precuneus (37.02%, 24.34%) lateraloccipital (77.68%, 46.75%) inferiorparietal (30.74%, 5.75%) superiorporal (43.99%, 16.42%) superiorparietal (66.44%, 5.75%)	Right hemisphere	Age at MRI	11 12 13 14 15 16 17 18 19 20 21 1 2 3 4 5 6 6 7 8	985 784 629 581 450 460 504 529 398 248 36994 12384 2412 1101 625 591 438 660 710 239 5272 3616 1812 2260	2.68 2.63 2.61 2.54 2.75 2.67 2.68 2.69 2.63 2.65 2.64 2.69 2.70 2.71 2.62 2.53 2.74 2.63 2.65 2.63	0.05 -0.04 -0.04 -0.04 -0.04 -0.04 -0.04 -0.03 -0.03 -0.03 -0.03 -0.03 -0.03 -0.03 -0.03 -0.03 -0.03 -0.03 -0.03 -0.03	0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01	postcentral (54.81%, 6.54%) precentral (100%, 9.2%) inferiorparietal (100%, 8.1%) lateralorbitofrontal (100%, 14.45%) postcentral (71.94%, 4.57%) fusiform (100%, 9.65%) medialorbitofrontal (73.04%, 12.00%) superiortemporal (81.15%, 5.96%) superiortemporal (81.15%, 5.96%) superiortemporal (61.15%, 5.96%) superiortemporal (61.59%, 22.2%) precuneus (15.59%, 72.34%) inferiorparietal (44.89%, 57.45%) lateraloccipital (46.48%, 18.80%) fusiform (92.73%, 21.91%) precentral (49.44%, 2.89%) superiorfrontal (58.87%, 1.78%) caudalmiddlerfontal (100%, 12.54%) supramarginal (93.48%, 7.57%) lateralocbitofrontal (100%, 16.31%) lateraloccipital (98.83%, 2.40%) precuneus (37.03%, 24.48%) lateraloccipital (93.84%, 7.57%) lateraloccipital (98.83%, 2.40%) precuneus (37.03%, 24.48%) lateraloccipital (77.52%, 47.01%) inferiorparietal (31.24%, 5.85%) superiortemporal (48.72%, 16.03%)
Right hemisphere		15 16 17 18 19 20 1 2 3 4 5 6 7 8 1 2 3 1 2 3 4 5 6 7 8 8 1 9 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2	626 455 528 467 519 518 247 37166 12410 2415 1168 663 603 458 673 690 272 5243 3589 1809 2284 885 398	2.61 2.76 2.54 2.67 2.77 2.70 2.63 2.65 2.69 2.70 2.71 2.62 2.53 2.74 2.60 2.65 2.63 2.65 2.64 2.64 2.63	0.05 -0.04 -0.04 -0.05 -0.04 -0.04 -0.04 -0.03 -0.03 -0.03 -0.03 -0.03 -0.03 -0.05 -0.05 -0.06 -0.05 -0.06 -0.05 -0.06	0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01	inferiorparietal (100%, 8.9%) precentral (100%, 7.57%) lateralorbitornatal (100%, 14.38%) fusiform (100%, 9.76%) postcentral (73.30%, 4.24%) medialorbitornatal (73.30%, 4.24%) superiortemporal (80.73%, 6.10%) supramarginal (100%, 6.36%) parsorbitalis (100%, 6.36%) parsorbitalis (100%, 6.19%) precuneus (15.52%, 72.34%) inferiorparietal (44.79%, 57.44%) lateraloccipital (45.51%, 18.43%) fusiform (94.01%, 23.56%) precentral (48.42%, 3.00%) superiorfornatal (36.98%, 1.88%) caudalmiddlefrontal (100%, 13.11%) supramarginal (94.06%, 7.77%) lateraloccipital (55.46%, 2.67%) precuneus (37.02%, 24.34%) lateraloccipital (75.68%, 46.75%) inferiorparietal (30.74%, 5.75%) superiortemporal (49.39%, 16.42%) superiortemporal (64.4%, 5.75%) superiortemporal (64.4%, 5.75%) superiortemporal (64.4%, 5.75%) superiortemporal (64.4%, 5.75%)	Right hemisphere	Age at MRI	11 12 13 14 15 16 17 18 19 20 21 1 2 2 3 4 5 6 6 7 8 1 2 2 3 3 4 5 5	985 784 629 581 450 460 504 529 398 248 36994 12384 2412 1101 625 591 438 660 710 239 5272 3616 1812 2260 911	2.68 2.63 2.61 2.54 2.76 2.78 2.69 2.63 2.65 2.64 2.69 2.70 2.62 2.53 2.62 2.63 2.65 2.62 2.71 2.62 2.53 2.65 2.65 2.63 2.65 2.65 2.70 2.65 2.65 2.65 2.70 2.71 2.62 2.53 2.65 2.65 2.65 2.71 2.65 2.65 2.71 2.65 2.65 2.71 2.65 2.65 2.71 2.65 2.71 2.65 2.71 2.65 2.71 2.65 2.71 2.65 2.71 2.65 2.71 2.65 2.71 2.65 2.71 2.65 2.71 2.65 2.71 2.65 2.65 2.71 2.65 2.65 2.71 2.65 2.65 2.71 2.65 2.65 2.71 2.65 2.65 2.71 2.65 2.65 2.65 2.65 2.70 2.65 2.65 2.65 2.65 2.65 2.65 2.65 2.65	0.05 -0.04 -0.04 -0.04 -0.04 -0.04 -0.04 -0.03 -0.03 -0.03 -0.03 -0.03 -0.03 -0.05 -0.05	0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01	postcentral (54.81%, 6.54%) precentral (100%, 9.2%) inferiorparietal (100%, 8.1%) lateralorbitofrontal (100%, 14.45%) postcentral (71.94%, 4.57%) fusiorm (100%, 9.65%) medialorbitofrontal (73.04%, 12.00%) superiortemporal (81.15%, 5.96%) superiortemporal (81.15%, 5.96%) superiortemporal (61.15%, 5.96%) superiortemporal (60.80%, 2.04%) parsorbitalis (100%, 26.22%) precuneus (15.59%, 72.34%) inferiorparietal (44.89%, 57.45%) lateraloccipital (46.48%, 18.80%) fusiform (92.73%, 21.91%) recentral (49.44%, 2.89%) superiorfrontal (35.87%, 1.78%) caudalmiddlerfontal (100%, 12.54%) superiorficial (59.83%, 2.40%) precuneus (37.03%, 24.48%) lateraloccipital (59.83%, 2.40%) precuneus (37.03%, 24.48%) lateraloccipital (77.52%, 47.01%) inferiorparietal (31.24%, 5.85%) superiortemporal (48.72%, 16.03%) superiortemporal (48.72%, 16.03%) superiortemporal (48.72%, 16.03%) superiortemporal (48.72%, 16.03%) superiortemporal
Right hemisphere	Height	15 16 17 18 19 20 1 2 3 4 5 6 7 8 1 2 3 4 5 6 7 8 1 9 1 9 1 2 1 2 3 4 5 6 6 7 7 8 1 8 1 1 2 1 2 3 4 5 6 6 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7 8	626 455 528 467 519 518 247 37166 12410 2415 1168 663 603 458 673 697 272 5243 3589 1809 2284 885 398 706	2.61 2.76 2.54 2.67 2.77 2.70 2.63 2.65 2.69 2.70 2.71 2.62 2.53 2.74 2.65 2.65 2.64 2.63 2.65 2.64 2.63 2.65 2.63 2.65 2.74 2.75 2.75 2.75 2.75 2.75 2.77 2.70 2.70 2.71 2.71 2.71 2.71 2.71 2.71 2.71 2.71	0.05 -0.04 -0.04 -0.05 -0.04 -0.04 -0.03 -0.03 -0.03 -0.03 -0.03 -0.03 -0.05 -0.06 -0.06 -0.05 -0.04 -0.06	0.01 0.01	inferiorparietal (100%, 8.9%) precentral (100%, 7.57%) precentral (100%, 7.57%) lateralorbitornal (100%, 14.38%) fusiform (100%, 9.76%) postcentral (73.30%, 4.24%) medialorbitornal (72.16%, 12.03%) superiortemporal (80.73%, 6.10%) supramarginal (100%, 6.36%) parsorbitalis (100%, 26.11%) precuneus (15.52%, 72.34%) inferiorparietal (44.79%, 57.44%) lateraloccipital (45.51%, 18.43%) fusiform (94.01%, 23.56%) precentral (48.42%, 3.00%) superiorfrontal (36.98%, 1.88%) caudalmiddlefrontal (100%, 15.15%) lateraloccipital (76.46%, 2.67%) precuneus (37.02%, 24.34%) lateraloccipital (76.46%, 2.67%) precuneus (37.02%, 24.34%) lateraloccipital (77.68%, 46.75%) inferiorparietal (30.74%, 5.75%) superiortemporal (49.39%, 16.42%) superiorparietal (66.44%, 5.75%) superiorparietal (62.47%, 5.75%) superiortemporal (49.59%, 3.16%) postcentral (62.75%, 4.85%)	Right hemisphere	Age at MRI Height	11 12 13 14 15 16 17 18 19 20 21 1 2 3 4 5 6 6 7 8 1 2 1 2 2 3 4 5 6 6 7 8 8 1 8 1 8 1 2 1 8 1 2 1 8 1 8 1 8 1 8	985 784 629 581 450 460 504 529 398 248 36994 12384 12384 660 710 239 5272 3616 1812 2260 911 420	2.68 2.63 2.61 2.54 2.75 2.67 2.78 2.69 2.65 2.64 2.69 2.70 2.71 2.62 2.53 2.74 2.60 2.67 2.60 2.67 2.60 2.60 2.65 2.64 2.60 2.65 2.64 2.65 2.69 2.70 2.70 2.71 2.62 2.63 2.65 2.64 2.65 2.65 2.65 2.65 2.65 2.65 2.69 2.70 2.70 2.70 2.70 2.70 2.70 2.70 2.70	0.05 -0.04 -0.04 -0.04 -0.04 -0.04 -0.04 -0.04 -0.03 -0.03 -0.03 -0.03 -0.03 -0.00 -0.06 -0.06 -0.06 -0.06 -0.05 -0.05 -0.05	0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01	postcentral (54.81%, 6.54%) precentral (100%, 9.2%) inferiorparietal (100%, 8.1%) lateralorbitofrontal (100%, 14.45%) postcentral (71.94%, 4.57%) fusiform (100%, 9.65%) medialorbitofrontal (73.04%, 12.00%) superiortemporal (81.15%, 5.96%) supramarginal (100%, 6.49%) superiortemporal (61.15%, 5.96%) superiortemporal (60.80%, 2.04%) parsorbitalis (100%, 26.22%) precuneus (15.59%, 72.34%) inferiorparietal (44.89%, 73.49%) inferiorparietal (44.89%, 8.80%) fusiform (92.73%, 21.91%) precentral (49.44%, 2.89%) superiorfrontal (35.87%, 1.78%) caudalmiddlefrontal (100%, 12.54%) superiorbitofrontal (100%, 12.54%) supramarginal (93.48%, 7.57%) lateraloccipital (68.83%, 2.40%) precuneus (37.03%, 24.48%) lateraloccipital (68.83%, 2.40%) precuneus (37.03%, 24.48%) lateraloccipital (48.72%, 47.01%) inferiorparietal (31.24%, 5.85%) superiortemporal (48.72%, 16.03%) superiortemporal (48.72%, 16.03%) superiortemporal (54.05%, 3.31%) superiortemporal (54.05%, 3.31%)
Right hemisphere	Height	15 16 17 18 19 20 1 1 2 3 4 5 6 6 7 8 1 2 2 1 2 3 4 5 6 7 8 8 8 1 9 1 2 1 2 1 2 8 8 8 8 8 8 8 8 8 8 8 8 8 8	626 455 528 467 519 518 247 37166 12410 2415 663 603 458 673 690 272 272 5243 3589 1809 2224 885 398 706 819	2.61 2.76 2.54 2.67 2.77 2.77 2.63 2.65 2.64 2.69 2.70 2.71 2.62 2.53 2.65 2.65 2.63 2.65 2.64 2.63 2.53 2.73 2.73 2.73	0.05 -0.04 -0.04 -0.05 -0.04 -0.04 -0.03 -0.03 -0.03 -0.03 -0.03 -0.03 -0.05 -0.05 -0.06 -0.05 -0.06 -0.05 -0.06 -0.05 -0.06	0.01 0.01	inferiorparietal (100%, 8.9%) precentral (100%, 7.57%) lateralorbitofrontal (100%, 14.38%) fusiform (100%, 9.76%) postcentral (73.30%, 4.24%) medialorbitofrontal (72.16%, 12.03%) superiortemporal (80.73%, 6.10%) supramarginal (100%, 6.36%) parsorbitalis (100%, 26.11%) precuneus (15.52%, 72.34%) inferiorparietal (44.79%, 57.44%) lateraloccipital (45.51%, 18.43%) fusiform (94.01%, 23.56%) precentral (48.42%, 3.00%) superiorfrontal (36.98%, 1.88%) superiorfrontal (36.98%, 1.88%) supramarginal (94.06%, 7.77%) lateralorbitofrontal (100%, 13.11%) supramarginal (94.06%, 7.77%) lateralocipital (76.84%, 26.7%) precuneus (37.02%, 24.34%) lateralocipital (76.84%, 26.7%) precuneus (37.02%, 24.34%) inferiorparietal (30.74%, 5.75%) superiortemporal (49.39%, 16.42%) superiortemporal (49.39%, 16.42%) superiortemporal (49.39%, 16.42%) superiortemporal (66.44%, 5.75%) superiortemporal (65.52%, 3.16%) postcentral (62.75%, 4.85%) insula (57.14%, 9.19%)	Right hemisphere	Age at MRI Height	11 12 13 14 15 16 17 18 19 20 21 1 2 3 4 5 6 6 7 8	985 784 629 581 450 460 504 529 398 248 36994 12384 2412 1101 625 591 438 660 710 239 5272 3616 1812 2260 911 420 703	2.68 2.63 2.61 2.54 2.75 2.67 2.69 2.65 2.64 2.69 2.70 2.71 2.62 2.53 2.74 2.63 2.65 2.64 2.63 2.64 2.63 2.64 2.63 2.63 2.64 2.63 2.63 2.74 2.75 2.76 2.70 2.70 2.70 2.70 2.70 2.70 2.70 2.70	0.05 -0.04 -0.04 -0.04 -0.04 -0.04 -0.04 -0.03 -0.03 -0.03 -0.03 -0.03 -0.00 -0.06 -0.05 -0.05 -0.05 -0.05	0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01	postcentral (54.81%, 6.54%) precentral (100%, 9.2%) inferiorparietal (100%, 8.1%) lateralorbitofrontal (100%, 14.45%) postcentral (71.94%, 4.57%) fusiform (100%, 9.65%) medialorbitofrontal (73.04%, 12.00%) superiortemporal (81.15%, 5.96%) superiortemporal (81.15%, 5.96%) superiorfrontal (60.80%, 2.04%) parsorbitalis (100%, 26.22%) precuneus (15.59%, 72.34%) inferiorparietal (44.89%, 57.45%) lateraloccipital (46.48%, 18.80%) fusiform (92.73%, 21.91%) precentral (49.44%, 2.89%) superiorfrontal (58.87%, 1.78%) caudalmiddlefrontal (100%, 12.54%) supramarginal (93.48%, 7.57%) lateraloccipital (58.87%, 1.78%) superiorfrontal (35.87%, 1.78%) superiorfrontal (35.87%, 1.78%) superiorfrontal (31.4%, 2.40%) precuneus (37.03%, 24.48%) lateraloccipital (59.83%, 2.40%) precuneus (37.03%, 24.48%) superiortemporal (48.72%, 16.03%) superiorparietal (62.75%, 5.85%) superiorparietal (62.75%, 5.86%) superiorparietal (62.75%, 4.80%)
Right hemisphere	Height	15 16 17 18 19 20 1 1 2 3 3 4 5 6 6 7 8 1 2 2 1 2 2 3 4 5 6 6 7 8 8 1 9 8 1 9 8 1 9 8 1 8 8 8 8 1 8 8 8 8	626 455 528 467 519 518 247 37166 12410 2415 1188 663 458 673 690 272 5243 3589 1809 2224 885 398 706 819 369	2.61 2.76 2.54 2.67 2.77 2.70 2.63 2.65 2.69 2.70 2.71 2.62 2.53 2.74 2.60 2.65 2.65 2.63 2.65 2.63 2.65 2.63 2.65 2.63 2.73 2.75 2.75 2.75 2.75 2.75 2.75 2.75 2.75	0.05 -0.04 -0.04 -0.05 -0.04 -0.04 -0.04 -0.03 -0.03 -0.03 -0.03 -0.03 -0.05 -0.05 -0.06 -0.05 -0.06 -0.05 -0.04 -0.05 -0.05	0.01 0.01	inferiorparietal (100%, 8.9%) precentral (100%, 7.57%) lateralorbitornatal (100%, 14.38%) fusiform (100%, 9.76%) postcentral (73.30%, 4.24%) medialorbitornatal (73.30%, 4.24%) superiortemporal (80.73%, 6.10%) supramarginal (100%, 6.36%) parsorbitalis (100%, 6.36%) parsorbitalis (100%, 6.36%) parsorbitalis (100%, 6.36%) parsorbitalis (100%, 6.1%) precuneus (15.52%, 72.34%) inferiorparietal (44.79%, 57.44%) lateraloccipital (45.51%, 18.43%) fusiform (94.01%, 23.56%) precentral (48.42%, 3.00%) superiorfrontal (36.98%, 1.88%) caudalmiddlefrontal (100%, 13.11%) supramarginal (94.06%, 7.77%) lateraloccipital (58.46%, 2.67%) precuneus (37.02%, 24.34%) lateraloccipital (75.68%, 48.75%) inferiorparietal (30.74%, 5.75%) superiortemporal (49.39%, 16.42%) superiortemporal (49.39%, 16.42%) superiortemporal (54.52%, 3.16%) postcentral (62.75%, 4.85%) insula (57.14%, 9.19%) inferiortemporal (58.27%, 5.12%)	Right hemisphere	Age at MRI Height	11 12 13 14 15 16 17 18 19 20 21 1 2 3 4 4 5 6 7 8 1 2 2 3 4 4 5 6 6 7 8 8 8 7 8 8 8 7 8 8 8 7 8 8 8 7 8 8 8 7 8 8 8 7 8 8 8 7 8 8 8 7 8 8 8 7 8	985 784 629 581 450 504 529 398 248 36994 12384 2412 1101 625 591 438 660 710 239 5272 3616 1812 2260 703 822	2.68 2.63 2.61 2.54 2.76 2.78 2.69 2.63 2.65 2.63 2.65 2.62 2.70 2.67 2.62 2.53 2.67 2.63 2.65 2.63 2.65 2.63 2.65 2.64 2.69 2.70 2.65 2.70 2.65 2.71 2.62 2.53 2.65 2.65 2.70 2.70 2.65 2.70 2.70 2.70 2.70 2.70 2.70 2.70 2.70	0.05 -0.04 -0.04 -0.04 -0.04 -0.04 -0.04 -0.03 -0.03 -0.03 -0.03 -0.03 -0.03 -0.00 -	0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01	postcentral (54.81%, 6.54%) precentral (100%, 9.2%) inferiorparietal (100%, 8.1%) lateralorbitofrontal (100%, 14.45%) postcentral (71.94%, 4.57%) fusiorm (100%, 9.65%) medialorbitofrontal (73.04%, 12.00%) superiortemporal (81.15%, 5.96%) superiortemporal (81.15%, 5.96%) superiortemporal (60.80%, 2.04%) parsorbitalis (100%, 6.49%) superiortental (60.80%, 2.04%) parsorbitalis (100%, 26.22%) precuneus (15.59%, 72.34%) inferiorparietal (44.89%, 57.45%) lateraloccipital (46.48%, 18.80%) fusiform (92.73%, 21.91%) precentral (49.44%, 2.89%) superiorfrontal (35.87%, 1.78%) caudalmiddlefrontal (100%, 12.54%) superiorginal (93.48%, 7.57%) lateraloccipital (59.83%, 2.40%) precuneus (37.03%, 24.48%) lateraloccipital (59.83%, 2.40%) precuneus (37.03%, 24.48%) lateraloccipital (57.52%, 47.01%) inferiorparietal (31.24%, 5.85%) superiorparietal (65.75%, 5.86%) superiorparietal (65.45%, 3.31%) postcentral (62.45%, 4.80%) insula (57.06%, 9.21%) insula (57.06%, 9.21%)
Right hemisphere	Height	15 16 17 18 19 20 1 1 2 3 4 5 6 6 7 8 1 2 2 1 2 3 4 5 6 7 8 8 8 1 9 1 2 1 2 1 2 8 8 8 8 8 8 8 8 8 8 8 8 8 8	626 455 528 467 519 518 247 37166 12415 1168 663 603 458 673 690 272 5243 3589 2284 885 706 819 369 203	2.61 2.76 2.54 2.67 2.77 2.77 2.63 2.65 2.64 2.69 2.70 2.71 2.62 2.53 2.65 2.65 2.63 2.65 2.64 2.63 2.53 2.73 2.73 2.73	0.05 -0.04 -0.04 -0.05 -0.04 -0.04 -0.03 -0.03 -0.03 -0.03 -0.03 -0.03 -0.05 -0.05 -0.06 -0.05 -0.06 -0.05 -0.06 -0.05 -0.06	0.01 0.01	inferiorparietal (100%, 8.9%) precentral (100%, 7.57%) precentral (100%, 7.57%) lateralorbitornal (100%, 14.38%) fusiform (100%, 9.76%) postcentral (73.30%, 4.24%) medialorbitornal (73.30%, 4.24%) superiortemporal (80.73%, 6.10%) supramarginal (100%, 6.36%) parsorbitalis (100%, 6.36%) parsorbitalis (100%, 26.11%) precuneus (15.52%, 72.34%) inferiorparietal (44.79%, 57.44%) lateraloccipital (45.51%, 18.43%) fusiform (94.01%, 23.56%) precentral (48.42%, 3.00%) superiorfrontal (36.98%, 1.88%) caudalmidolefrontal (100%, 15.85%) lateraloccipital (58.46%, 2.67%) precuneus (37.02%, 24.34%) lateraloccipital (76.86%, 46.75%) inferiorparietal (30.74%, 5.75%) superiortemporal (49.39%, 16.42%) superiorparietal (30.74%, 5.75%) superiortemporal (54.52%, 3.16%) postcentral (62.75%, 4.85%) insula (57.14%, 9.19%) inferiorparietal (62.75%, 4.85%) insula (57.14%, 9.19%) inferiorparietal (62.77%, 5.12%) lingual (100%, 5.21%)	Right hemisphere	Age at MRI Height	11 12 13 14 15 16 17 18 19 20 21 1 2 3 4 5 6 6 7 8	985 784 629 581 450 460 504 529 398 248 36994 12384 12384 660 710 239 5272 3616 1812 2260	2.68 2.63 2.61 2.54 2.75 2.69 2.65 2.64 2.69 2.70 2.71 2.62 2.53 2.74 2.60 2.67 2.63 2.64 2.64 2.69 2.70 2.71 2.62 2.53 2.74 2.69 2.65 2.63 2.70 2.70 2.71 2.62 2.53 2.70 2.67 2.67 2.67 2.67 2.69 2.69 2.70 2.70 2.70 2.70 2.70 2.70 2.70 2.70	0.05 -0.04 -0.04 -0.04 -0.05 -0.05 -0.04 -0.04 -0.03 -0.03 -0.03 -0.03 -0.03 -0.03 -0.00 -0.06 -0.06 -0.06 -0.06 -0.06 -0.06 -0.06 -0.09 -	0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01	postcentral (54.81%, 6.54%) precentral (100%, 9.2%) inferiorparietal (100%, 8.1%) lateralorbitofrontal (100%, 14.45%) postcentral (71.94%, 4.57%) fusiform (100%, 9.65%) medialorbitofrontal (73.04%, 12.00%) superiortemporal (81.15%, 5.96%) supramarginal (100%, 6.49%) superiortemporal (61.15%, 5.96%) superiortemporal (60.80%, 2.04%) parsorbitalis (100%, 62.22%) precuneus (15.59%, 72.34%) inferiorparietal (44.89%, 18.80%) fusiform (92.73%, 21.91%) precentral (49.44%, 2.89%) superiorfrontal (35.87%, 1.78%) caudalmiddlefrontal (100%, 12.54%) superiorfrontal (35.87%, 1.78%) caudalmiddlefrontal (100%, 12.54%) superiorportical (100%, 12.54%) supremarginal (93.48%, 7.57%) lateraloccipital (77.52%, 47.01%) inferiorparietal (31.24%, 5.85%) superiortemporal (48.72%, 16.03%) superiortemporal (62.45%, 3.31%) postcentral (62.45%, 4.80%) insual (57.06%, 9.21%) lingual (100%, 5.34%)
Right hemisphere	Height	15 16 17 18 19 20 1 2 3 4 5 6 6 7 8 1 2 2 3 4 5 6 7 8 9 1 2 9 1 2 1 2 1 2 3 4 5 6 6 7 7 8 8 8 9 1 8 1 8 1 8 1 8 1 8 1 8 1 8 1 8	626 455 528 467 519 518 247 37166 12410 2415 1188 663 458 673 690 272 5243 3589 1809 2224 885 398 706 819 369	2.61 2.76 2.54 2.67 2.77 2.70 2.63 2.65 2.69 2.70 2.71 2.62 2.53 2.74 2.60 2.65 2.63 2.64 2.64 2.64 2.63 2.73 2.75 2.74 2.75 2.75 2.75 2.76 2.76 2.76 2.77 2.70 2.77 2.70 2.70 2.70 2.70 2.70	0.05 -0.04 -0.04 -0.04 -0.04 -0.03 -0.03 -0.03 -0.03 -0.03 -0.03 -0.05 -	0.01 0.01	inferiorparietal (100%, 8.9%) precentral (100%, 7.57%) lateralorbitornatal (100%, 14.38%) fusiform (100%, 9.76%) postcentral (73.30%, 4.24%) medialorbitornatal (73.30%, 4.24%) superiortemporal (80.73%, 6.10%) supramarginal (100%, 6.36%) parsorbitalis (100%, 6.36%) parsorbitalis (100%, 6.36%) parsorbitalis (100%, 6.36%) parsorbitalis (100%, 6.1%) precuneus (15.52%, 72.34%) inferiorparietal (44.79%, 57.44%) lateraloccipital (45.51%, 18.43%) fusiform (94.01%, 23.56%) precentral (48.42%, 3.00%) superiorfrontal (36.98%, 1.88%) caudalmiddlefrontal (100%, 13.11%) supramarginal (94.06%, 7.77%) lateraloccipital (58.46%, 2.67%) precuneus (37.02%, 24.34%) lateraloccipital (75.68%, 48.75%) inferiorparietal (30.74%, 5.75%) superiortemporal (49.39%, 16.42%) superiortemporal (49.39%, 16.42%) superiortemporal (54.52%, 3.16%) postcentral (62.75%, 4.85%) insula (57.14%, 9.19%) inferiortemporal (58.27%, 5.12%)	Right hemisphere	Age at MRI Height	11 12 13 14 15 16 17 18 19 20 21 1 2 3 3 4 5 6 6 7 8 1 2 2 3 4 5 6 6 7 7 8 8 8 1 8 1 8 1 8 1 8 1 8 1 8 1 8 1	985 784 629 581 450 504 529 398 248 36994 12384 2412 1101 625 591 438 660 710 239 5272 3616 1812 2260 703 822	2.68 2.63 2.61 2.54 2.76 2.78 2.69 2.63 2.65 2.63 2.65 2.62 2.70 2.67 2.62 2.53 2.67 2.63 2.65 2.63 2.65 2.63 2.65 2.64 2.69 2.70 2.65 2.70 2.65 2.71 2.62 2.53 2.65 2.65 2.70 2.70 2.65 2.70 2.70 2.70 2.70 2.70 2.70 2.70 2.70	0.05 -0.04 -0.04 -0.04 -0.04 -0.04 -0.04 -0.03 -0.03 -0.03 -0.03 -0.03 -0.03 -0.00 -0.05 -0.05 -0.05 -0.05 -0.05	0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01	postcentral (54.81%, 6.54%) precentral (100%, 9.2%) inferiorparietal (100%, 8.1%) lateralorbitofrontal (100%, 14.45%) postcentral (71.94%, 4.57%) fusiorm (100%, 9.65%) medialorbitofrontal (73.04%, 12.00%) superiortemporal (81.15%, 5.96%) superiortemporal (81.15%, 5.96%) superiortemporal (60.80%, 2.04%) parsorbitalis (100%, 6.49%) superiortental (60.80%, 2.04%) parsorbitalis (100%, 26.22%) precuneus (15.59%, 72.34%) inferiorparietal (44.89%, 57.45%) lateraloccipital (46.48%, 18.80%) fusiform (92.73%, 21.91%) precentral (49.44%, 2.89%) superiorfrontal (35.87%, 1.78%) caudalmiddlefrontal (100%, 12.54%) superiorginal (93.48%, 7.57%) lateraloccipital (59.83%, 2.40%) precuneus (37.03%, 24.48%) lateraloccipital (59.83%, 2.40%) precuneus (37.03%, 24.48%) lateraloccipital (57.52%, 47.01%) inferiorparietal (31.24%, 5.85%) superiorparietal (65.75%, 5.86%) superiorparietal (65.45%, 3.31%) postcentral (62.45%, 4.80%) insula (57.06%, 9.21%) insula (57.06%, 9.21%)

Table S11 - Vertex-wise analysis results (cont'd)

			:	SYSTOLIC	BLOOD F	PRESSU	JRE (SBP)				D	IASTOLIC	BLOOD I	PRESS	URE (DBP)
				Thickness C		SE	Top region				n vertices T			SE	Top region
	(Intercept)	1	145744	2.66	2.99	0.17	superiorfrontal (8.35%, 99.97%)		(Intercept)	1	145744	2.66	3.00	0.17	superiorfrontal (8.35%, 99.97%)
		1	8964	2.68	-0.05	0.01	precuneus (36.04%, 44.21%)			1	8758	2.67	-0.05	0.01	precuneus (35.88%, 42.99%)
		2	3163	2.68	-0.04	0.01	rostralmiddlefrontal (93.65%, 40.89%)			2	3161	2.68	-0.04	0.01	rostralmiddlefrontal (94.27%, 41.14%)
		3	2005	2.60	0.06	0.01	postcentral (99.25%, 20.91%)			3	2019	2.60	0.06	0.01	postcentral (98.66%, 20.93%)
		4	1917	2.68	0.06	0.01	precentral (93.38%, 16.67%)			4	1915	2.68	0.06	0.01	precentral (92.90%, 16.56%)
		5 6	1630 1340	2.64 2.60	0.07 -0.04	0.01	superiortemporal (70.8%, 15.87%) inferiorparietal (100%, 17.02%)			5 6	1609 1317	2.64 2.59	0.07 -0.04	0.01	superiortemporal (71.35%, 15.79%) inferiorparietal (100%, 16.73%)
		7	876	2.68	0.07	0.02	superiortemporal (43.04%, 5.18%)			7	915	2.63	-0.04	0.01	superiorfrontal (74.54%, 5.60%)
		8	934	2.63	-0.04	0.01	superiorfrontal (73.13%, 5.61%)			8	800	2.69	0.07	0.02	superiortemporal (47.38%, 5.21%)
		9	880	2.77	0.05	0.01	pericalcarine (86.25%, 39.70%)			9	1162	2.61	0.07	0.01	parahippocampal (80.46%, 50.87%)
	Female sex	10	1117	2.62	0.07	0.01	parahippocampal (81.29%, 49.40%)		Female sex	10	849	2.78	0.05	0.01	pericalcarine (86.22%, 38.28%)
	i omalo cox	11	1093	2.65	-0.04	0.01	supramarginal (59.93%, 7.62%)		i dinalo dox	11	1032	2.66	-0.04	0.01	supramarginal (63.18%, 7.58%)
		12	1290	2.69	-0.04	0.01	paracentral (39.15%, 15.33%)			12	1301	2.69	-0.04	0.01	paracentral (38.74%, 15.30%)
		13	1006 600	2.65 2.55	-0.04	0.01 0.01	insula (53.58%, 10.31%)			13 14	604	2.56 2.66	0.06 -0.04	0.01	rostralanteriorcingulate (74.5%, 33.33%
		14 15	583	2.55	0.06 0.05	0.01	rostralanteriorcingulate (75.33%, 33.48 paracentral (61.92%, 10.96%)			15	957 632	2.75	0.05	0.01	insula (52.04%, 9.52%) paracentral (63.61%, 12.20%)
		16	348	2.82	0.05	0.01	inferiortemporal (98.28%, 7.75%)			16	372	2.82	0.05	0.01	inferiortemporal (97.58%, 8.22%)
		17	362	2.64	0.05	0.01	parsorbitalis (92.82%, 35.15%)			17	376	2.64	0.05	0.01	parsorbitalis (93.09%, 36.61%)
		18	487	2.71	-0.04	0.01	superiortemporal (85.42%, 5.72%)			18	444	2.71	-0.04	0.01	superiortemporal (86.71%, 5.30%)
hemisphere		19	281	2.70	0.06	0.01	middletemporal (51.96%, 3.28%)	hemisphere		19	290	2.70	0.06	0.01	middletemporal (53.45%, 3.48%)
isp		20	289	2.78	-0.06	0.02	inferiortemporal (100%, 6.55%)	ispł		20	296	2.78	-0.06	0.02	inferiortemporal (100%, 6.7%)
E	A+ MDI	1	31447	2.64	-0.04	0.01	superiorfrontal (18.02%, 46.52%)	em	A = = = + MDI	1	31406	2.64	-0.04	0.01	superiorfrontal (18.05%, 46.55%)
Ę.	Age at MRI	2	27741	2.65	-0.03	0.01	inferiorparietal (17.26%, 60.84%)		Age at MRI	2	27678	2.65	-0.03	0.01	inferiorparietal (17.24%, 60.61%)
Left	-	3 1	971 695	2.80	-0.03 0.00	0.01	fusiform (66.43%, 13.68%) lateralorbitofrontal (87.77%, 14.57%)	Left		3 1	957 934	2.80	-0.03 0.00	0.01	fusiform (66.88%, 13.58%) lateralorbitofrontal (86.19%, 19.22%)
	Height	2	383	2.53	0.00	0.00	medialorbitofrontal (71.28%, 10.29%)		Height	2	449	2.53	0.00	0.00	medialorbitofrontal (69.49%, 11.76%)
		1	4291	2.71	-0.06	0.00	precuneus (38.41%, 22.55%)			1	4231	2.71	-0.06	0.01	precuneus (38.29%, 22.17%)
	1	2	3204	2.66	-0.05	0.01	lateraloccipital (54.31%, 27.28%)			2	3157	2.66	-0.05	0.01	lateraloccipital (54.93%, 27.18%)
	1	3	2115	2.63	-0.04	0.01	inferiorparietal (40.38%, 10.85%)			3	2083	2.63	-0.04	0.01	inferiorparietal (40.23%, 10.65%)
		4	2905	2.61	-0.04	0.01	superiortemporal (36.52%, 14.59%)		1	4	2816	2.61	-0.04	0.01	superiortemporal (36.47%, 14.12%)
		5	2243	2.72	-0.04	0.01	paracentral (45.52%, 31.00%)			5	2205	2.71	-0.04	0.01	paracentral (45.12%, 30.21%)
	Ethnicity	6	1396	2.59	-0.04	0.01	isthmuscingulate (50.86%, 28.05%)		Ethnicity	6	1389	2.59	-0.04	0.01	isthmuscingulate (51.12%, 28.05%)
		7 8	625 385	2.59 2.74	-0.04 -0.06	0.01	fusiform (95.84%, 12.71%)			7 8	609 378	2.59 2.74	-0.04 -0.06	0.01	fusiform (96.22%, 12.43%)
		9	252	2.74	0.04	0.02	inferiortemporal (85.19%, 7.43%) lingual (100%, 5.99%)			9	243	2.74	0.04	0.02	inferiortemporal (84.92%, 7.27%) lingual (100%, 5.78%)
		10	226	2.68	0.07	0.02	superiortemporal (61.06%, 1.90%)			10	401	2.72	-0.04	0.01	fusiform (56.86%, 4.84%)
		11	382	2.72	-0.04	0.01	fusiform (56.81%, 4.60%)			11	219	2.68	0.07	0.02	superiortemporal (61.64%, 1.86%)
		1	2031	2.69	0.04	0.01	fusiform (25.21%, 10.86%)			1	1983	2.70	0.03	0.01	fusiform (24.86%, 10.46%)
	BMI (z)	2	995	2.65	0.03	0.01	lateraloccipital (93.97%, 14.66%)			2	1011	2.66	0.03	0.01	lateraloccipital (93.77%, 14.86%)
	. ,	3	609	2.66	-0.02	0.01	superiorfrontal (81.94%, 4.10%)		BMI (z)	3	652	2.67	-0.02	0.01	superiorfrontal (80.98%, 4.34%)
		4	573	2.59	0.02	0.01	postcentral (100%, 6.02%)			4 5	575 482	2.59 2.64	0.02 -0.02	0.01	postcentral (100%, 6.04%) superiorfrontal (76.14%, 3.01%)
										5	402	2.04	-0.02	0.01	superioritorital (76.14%, 3.01%)
	(Intercept)	1	145637	2.65	2.99	0.17	superiorfrontal (8.15%, 99.93%)		(Intercept)	1	145637	2.65	3.00	0.17	superiorfrontal (8.15%, 99.93%)
		1	9801	2.68	-0.05	0.01	precuneus (52.88%, 64.99%)			1	9456	2.68	-0.05	0.01	precuneus (52.54%, 62.29%)
		1 2	2907	2.61	-0.04	0.01	rostralmiddlefrontal (99.07%, 36.62%)			2	2830	2.61	-0.04	0.01	rostralmiddlefrontal (99.33%, 35.75%)
		1 2 3	2907 2305	2.61 2.63	-0.04 -0.04	0.01 0.01	rostralmiddlefrontal (99.07%, 36.62%) superiorparietal (47.85%, 10.79%)			2	2830 2284	2.61 2.63	-0.04 -0.04	0.01 0.01	rostralmiddlefrontal (99.33%, 35.75%) superiorparietal (48.25%, 10.78%)
		1 2 3 4	2907 2305 3176	2.61 2.63 2.69	-0.04 -0.04 -0.04	0.01 0.01 0.01	rostralmiddlefrontal (99.07%, 36.62%) superiorparietal (47.85%, 10.79%) insula (54.72%, 34.15%)			2 3 4	2830 2284 3110	2.61 2.63 2.69	-0.04 -0.04 -0.04	0.01 0.01 0.01	rostralmiddlefrontal (99.33%, 35.75%) superiorparietal (48.25%, 10.78%) insula (55.31%, 33.79%)
		1 2 3 4 5	2907 2305 3176 1466	2.61 2.63 2.69 2.59	-0.04 -0.04 -0.04 0.06	0.01 0.01 0.01 0.01	rostralmiddlefrontal (99.07%, 36.62%) superiorparietal (47.85%, 10.79%) insula (54.72%, 34.15%) middletemporal (51.98%, 15.07%)			2 3 4 5	2830 2284 3110 1467	2.61 2.63 2.69 2.59	-0.04 -0.04 -0.04 0.06	0.01 0.01 0.01 0.01	rostralmiddlefrontal (99.33%, 35.75%) superiorparietal (48.25%, 10.78%) insula (55.31%, 33.79%) middletemporal (51.74%, 15.01%)
		1 2 3 4	2907 2305 3176	2.61 2.63 2.69	-0.04 -0.04 -0.04	0.01 0.01 0.01	rostralmiddlefrontal (99.07%, 36.62%) superiorparietal (47.85%, 10.79%) insula (54.72%, 34.15%)			2 3 4	2830 2284 3110	2.61 2.63 2.69	-0.04 -0.04 -0.04	0.01 0.01 0.01	rostralmiddlefrontal (99.33%, 35.75%) superiorparietal (48.25%, 10.78%) insula (55.31%, 33.79%)
		1 2 3 4 5 6	2907 2305 3176 1466 1269	2.61 2.63 2.69 2.59 2.59	-0.04 -0.04 -0.04 0.06 0.05	0.01 0.01 0.01 0.01 0.01	rostralmiddlefrontal (99.07%, 36.62%) superiorparietal (47.85%, 10.79%) insula (54.72%, 34.15%) middletemporal (51.98%, 15.07%) pericalcarine (89.76%, 62.48%)			2 3 4 5 6	2830 2284 3110 1467 1245	2.61 2.63 2.69 2.59 2.59	-0.04 -0.04 -0.04 0.06 0.05	0.01 0.01 0.01 0.01 0.01	rostralmiddlefrontal (99.33%, 35.75%) superiorparietal (48.25%, 10.78%) insula (55.31%, 33.79%) middletemporal (51.74%, 15.01%) pericalcarine (90.6%, 61.88%)
		1 2 3 4 5 6 7 8	2907 2305 3176 1466 1269 1279 955 1003	2.61 2.63 2.69 2.59 2.59 2.62 2.62 2.55	-0.04 -0.04 -0.06 0.05 0.06 0.06 -0.04	0.01 0.01 0.01 0.01 0.01 0.01 0.01	rostralmiddlefrontal (99.07%, 36.62%) superiorparietal (47.85%, 10.79%) insula (54.72%, 34.15%) middletemporal (51.93%, 15.07%) pericalcarine (89.76%, 62.48%) postcentral (100%, 14%) parahippocampal (64.61%, 35.42%) superiorfrontal (76.17%, 6.43%)			2 3 4 5 6 7 8 9	2830 2284 3110 1467 1245 1293 955 963	2.61 2.63 2.69 2.59 2.59 2.62 2.62 2.54	-0.04 -0.04 -0.06 0.05 0.06 0.06 -0.04	0.01 0.01 0.01 0.01 0.01 0.01 0.01	rostralmiddlefrontal (99.33%, 35.75%) superiorparietal (48.25%, 10.78%) insula (55.31%, 33.79%) middletemporal (51.74%, 15.01%) pericalcarine (90.6%, 61.88%) postcentral (100%, 14.15%) parahippocampal (65.97%, 36.17%) superiorfrontal (75.7%, 6.14%)
		1 2 3 4 5 6 7 8 9	2907 2305 3176 1466 1269 1279 955 1003 823	2.61 2.63 2.69 2.59 2.59 2.62 2.62 2.55 2.59	-0.04 -0.04 -0.06 0.05 0.06 0.06 -0.04	0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01	rostralmiddlefrontal (99.07%, 36.62%) superiorparietal (47.85%, 10.79%) insula (54.72%, 34.15%) middletemporal (51.98%, 15.07%) pericalcarine (89.76%, 62.48%) postcentral (100%, 14%) parahippocampal (64.61%, 35.42%) superiorfrontal (76.17%, 6.43%) rostralmiddlefrontal (94.41%, 9.88%)			2 3 4 5 6 7 8 9	2830 2284 3110 1467 1245 1293 955 963 789	2.61 2.63 2.69 2.59 2.59 2.62 2.62 2.54 2.60	-0.04 -0.04 -0.06 0.05 0.06 0.06 -0.04	0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01	rostralmiddlefrontal (99.33%, 35.75%) superiorparietal (48.25%, 10.78%) insula (55.31%, 33.79%) middletemporal (51.74%, 15.01%) pericalcarine (90.6%, 61.88%) postcentral (100%, 14.15%) parahippocampal (65.97%, 36.17%) superiorfrontal (75.7%, 6.14%) rostralmiddlefrontal (92.4%, 9.27%)
	Female sex	1 2 3 4 5 6 7 8 9 10	2907 2305 3176 1466 1269 1279 955 1003 823 1072	2.61 2.63 2.69 2.59 2.59 2.62 2.62 2.55 2.59 2.63	-0.04 -0.04 -0.06 0.05 0.06 0.06 -0.04 -0.04	0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01	rostralmiddlefrontal (99.07%, 36.62%) superiorparietal (47.85%, 10.79%) insula (54.72%, 34.15%) middletemporal (51.98%, 15.07%) pericalcarine (89.76%, 62.48%) postcentral (100%, 14%) parahippocampal (64.61%, 35.42%) superiorfrontal (76.17%, 6.43%) rostralmiddlefrontal (94.41%, 9.88%) postcentral (55.88%, 6.56%)		Female sex	2 3 4 5 6 7 8 9 10	2830 2284 3110 1467 1245 1293 955 963 789 1101	2.61 2.63 2.69 2.59 2.59 2.62 2.62 2.54 2.60 2.63	-0.04 -0.04 -0.06 0.05 0.06 0.06 -0.04 -0.04	0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01	rostralmiddlefrontal (99.33%, 35.75%) superiorparietal (48.25%, 10.78%) insula (55.31%, 33.79%) middletemporal (51.74%, 15.01%) pericalcarine (90.6%, 61.88%) postcentral (100%, 14.15%) parahippocampal (65.97%, 36.17%) superiorfrontal (75.7%, 6.14%) rostralmiddlefrontal (92.4%, 9.27%) postcentral (55.31%, 6.66%)
	Female sex	1 2 3 4 5 6 7 8 9 10 11	2907 2305 3176 1466 1269 1279 955 1003 823 1072 802	2.61 2.63 2.69 2.59 2.59 2.62 2.62 2.55 2.59 2.63 2.63	-0.04 -0.04 -0.05 0.06 0.06 -0.04 -0.04 -0.03 -0.04	0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01	rostralmiddlefrontal (99.07%, 36.62%) superiorparietal (47.85%, 10.79%) insula (54.72%, 34.15%) middletemporal (51.98%, 15.07%) pericalcarine (89.76%, 62.48%) posteentral (100%, 14%) parahippocampal (64.61%, 35.42%) superiorfrontal (76.17%, 6.43%) rostralmiddlefrontal (94.41%, 9.88%) posteentral (55.88%, 6.56%) inferiorparietal (100%, 8.29%)		Female sex	2 3 4 5 6 7 8 9 10 11 12	2830 2284 3110 1467 1245 1293 955 963 789 1101 768	2.61 2.63 2.69 2.59 2.59 2.62 2.62 2.54 2.60 2.63 2.63	-0.04 -0.04 -0.05 0.06 0.06 -0.04 -0.04 -0.03 -0.04	0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01	rostralmiddlefrontal (99.33%, 35.75%) superiorparietal (48.25%, 10.78%) insula (55.31%, 33.79%) middletemporal (51.74%, 15.01%) pericalcarine (90.6%, 61.88%) postcentral (100%, 14.15%) parahippocampal (65.97%, 36.17%) superiorfrontal (75.7%, 6.14%) rostralmiddlefrontal (92.4%, 9.27%) postcentral (55.31%, 6.66%) inferiorparietal (100%, 7.94%)
	Female sex	1 2 3 4 5 6 7 8 9 10	2907 2305 3176 1466 1269 1279 955 1003 823 1072	2.61 2.63 2.69 2.59 2.59 2.62 2.62 2.55 2.59 2.63	-0.04 -0.04 -0.06 0.05 0.06 0.06 -0.04 -0.04	0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01	rostralmiddlefrontal (99.07%, 36.62%) superiorparietal (47.85%, 10.79%) insula (54.72%, 34.15%) middletemporal (51.93%, 15.07%) pericalcarine (89.76%, 62.48%) postcentral (100%, 14%) parahippocampal (64.61%, 35.42%) superiorfrontal (76.17%, 6.43%) rostralmiddlefrontal (94.41%, 9.88%) postcentral (55.88%, 6.56%) inferiorparietal (100%, 8.29%) precentral (100%, 7.8%)		Female sex	2 3 4 5 6 7 8 9 10	2830 2284 3110 1467 1245 1293 955 963 789 1101	2.61 2.63 2.69 2.59 2.59 2.62 2.62 2.54 2.60 2.63	-0.04 -0.04 -0.06 0.05 0.06 0.06 -0.04 -0.04	0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01	rostralmiddlefrontal (99.33%, 35.75%) superiorparietal (48.25%, 10.78%) insula (55.31%, 33.79%) middletemporal (51.74%, 15.01%) pericalcarine (90.6%, 61.88%) postcentral (100%, 14.15%) parahippocampal (65.97%, 36.17%) superiorfrontal (75.7%, 6.14%) rostralmiddlefrontal (92.4%, 9.27%) postcentral (55.31%, 6.66%)
	Female sex	1 2 3 4 5 6 7 8 9 10 11 12	2907 2305 3176 1466 1269 1279 955 1003 823 1072 802 835	2.61 2.63 2.69 2.59 2.59 2.62 2.62 2.55 2.59 2.63 2.63 2.68	-0.04 -0.04 -0.06 0.05 0.06 -0.04 -0.04 -0.04 0.03 -0.04	0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01	rostralmiddlefrontal (99.07%, 36.62%) superiorparietal (47.85%, 10.79%) insula (54.72%, 34.15%) middletemporal (51.98%, 15.07%) pericalcarine (89.76%, 62.48%) posteentral (100%, 14%) parahippocampal (64.61%, 35.42%) superiorfrontal (76.17%, 6.43%) rostralmiddlefrontal (94.41%, 9.88%) posteentral (55.88%, 6.56%) inferiorparietal (100%, 8.29%)		Female sex	2 3 4 5 6 7 8 9 10 11 12 13	2830 2284 3110 1467 1245 1293 955 963 789 1101 768 820	2.61 2.63 2.69 2.59 2.59 2.62 2.62 2.54 2.60 2.63 2.63 2.69	-0.04 -0.04 -0.06 0.05 0.06 -0.04 -0.04 -0.04 0.03 -0.04	0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01	rostralmiddlefrontal (99.33%, 35.75%) superiorparietal (48.25%, 10.78%) insula (55.31%, 33.79%) middletemporal (51.74%, 15.01%) pericalcarine (90.6%, 61.88%) postcentral (100%, 14.15%) parahippocampal (65.97%, 36.17%) superiorfrontal (75.7%, 6.14%) rostralmiddlefrontal (92.4%, 9.27%) postcentral (55.31%, 6.66%) inferiorparietal (100%, 7.94%) precentral (100%, 7.66%)
	Female sex	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16	2907 2305 3176 1466 1269 1279 955 1003 823 1072 802 835 599 563 421	2.61 2.63 2.69 2.59 2.62 2.62 2.55 2.63 2.63 2.63 2.63 2.60 2.54 2.74	-0.04 -0.04 -0.06 0.05 0.06 -0.04 -0.04 -0.03 -0.04 0.05 -0.04 0.05	0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01	rostralmiddlefrontal (99.07%, 36.62%) superiorparietal (47.85%, 10.79%) insula (54.72%, 34.15%) middletemporal (51.98%, 15.07%) pericalcarine (89.76%, 62.48%) posteentral (100%, 14%) parahippocampal (64.61%, 35.42%) superiorfrontal (76.17%, 6.43%) rostralmiddlefrontal (94.41%, 9.88%) posteentral (100%, 8.29%) inferiorparietal (100%, 8.29%) precentral (100%, 7.8%) lateralorbitofrontal (100%, 13.76%) postcentral (72.65%, 4.48%) fusiform (100%, 9.03%)		Female sex	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16	2830 2284 3110 1467 1293 955 963 789 1101 768 820 569 607 463	2.61 2.63 2.69 2.59 2.59 2.62 2.62 2.54 2.63 2.63 2.69 2.60 2.54 2.67	-0.04 -0.04 -0.06 0.05 0.06 -0.04 -0.04 -0.03 -0.04 0.05 -0.04 0.05	0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01	rostralmiddlefrontal (99.33%, 35.75%) superiorparietal (48.25%, 10.78%) insula (55.31%, 33.79%) middletemporal (51.74%, 15.01%) pericalcarine (90.6%, 61.88%) postcentral (100%, 14.15%) parahippocampal (65.97%, 36.17%) superiorfrontal (75.7%, 6.14%) rostralmiddlefrontal (92.4%, 9.27%) postcentral (55.31%, 6.66%) inferiorparietal (100%, 7.94%) precentral (100%, 7.66%) lateralorbitofrontal (100%, 13.07%) postcentral (70.84%, 4.71%) medialorbitofrontal (71.06%, 11.75%)
	Female sex	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17	2907 2305 3176 1466 1269 955 1003 823 1072 802 835 599 563 421 470	2.61 2.63 2.69 2.59 2.59 2.62 2.62 2.55 2.59 2.63 2.63 2.68 2.60 2.54 2.74	-0.04 -0.04 -0.05 0.06 0.06 -0.04 -0.04 -0.04 0.05 -0.04 0.05 -0.04 -0.04 -0.04	0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01	rostalmiddlefrontal (99.07%, 36.62%) superiorparietal (47.85%, 10.79%) insula (54.72%, 34.15%) middletemporal (51.98%, 15.07%) pericalcarine (89.76%, 62.48%) postcentral (100%, 14%) parahippocampal (64.61%, 35.42%) superiorfrontal (76.17%, 6.43%) rostralmiddlerfontal (94.41%, 9.88%) postcentral (55.88%, 6.56%) inferiorparietal (100%, 8.29%) precentral (100%, 7.8%) lateralorbitofrontal (70.6%, 4.48%) fusiorm (100%, 9.03%) medialorbitofrontal (71.49%, 12.00%) medialorbitofrontal (71.49%, 12.00%)		Female sex	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16	2830 2284 3110 1467 1245 1293 955 963 789 1101 768 820 569 607 463 278	2.61 2.63 2.69 2.59 2.62 2.62 2.64 2.60 2.63 2.69 2.60 2.54 2.67 2.62	-0.04 -0.04 -0.04 0.06 0.05 0.06 -0.04 -0.04 0.03 -0.04 0.05 -0.04	0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01	rostralmiddlefrontal (99.33%, 35.75%) superiorparietal (48.25%, 10.78%) insula (55.31%, 33.79%) middletemporal (51.74%, 15.01%) pericalcarine (90.6%, 61.88%) postcentral (100%, 14.15%) parahippocampal (65.97%, 36.17%) superiorfrontal (75.7%, 6.14%) rostralmiddlefrontal (24.4%, 9.27%) postcentral (55.31%, 6.66%) inferiorparietal (100%, 7.94%) precentral (100%, 7.66%) lateralorbitofrontal (70.84%, 4.71%) postcentral (70.84%, 4.71%) postcentral (70.84%, 4.71%) postcentral (70.84%, 4.71%) pracedialorbitofrontal (71.06%, 11.75%) parsorbitalis (100%, 29.39%)
a	Female sex	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	2907 2305 3176 1466 1269 1279 955 1003 823 1072 802 835 599 563 421 470 519	2.61 2.63 2.69 2.59 2.59 2.62 2.62 2.55 2.59 2.63 2.63 2.63 2.68 2.60 2.54 2.74	-0.04 -0.04 -0.05 -0.06 -0.04 -0.04 -0.04 -0.05 -0.04 -0.04 -0.04 -0.04 -0.04 -0.04	0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01	rostralmiddlefrontal (99.07%, 36.62%) superiorparietal (47.85%, 10.79%) insula (54.72%, 34.15%) middletemporal (51.98%, 15.07%) pericalcarine (89.76%, 62.48%) postcentral (100%, 14%) parahippocampal (64.61%, 35.42%) superiorfrontal (76.17%, 6.43%) rostralmiddlefrontal (94.41%, 9.88%) postcentral (55.88%, 6.56%) inferiorparietal (100%, 8.29%) precentral (100%, 7.8%) lateralorbifortontal (70.65%, 4.48%) fusiform (100%, 9.03%) medialorbitofrontal (71.49%, 12.00%) superiortemporal (81.31%, 6.14%)		Female sex	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17	2830 2284 3110 1467 1245 1293 955 963 789 1101 768 820 569 607 463 278 505	2.61 2.63 2.69 2.59 2.59 2.62 2.62 2.64 2.63 2.63 2.69 2.60 2.54 2.67 2.62	-0.04 -0.04 -0.04 0.06 0.05 0.06 -0.04 -0.04 0.03 -0.04 0.05 -0.04 0.05 -0.04	0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01	rostralmiddlefrontal (99.33%, 35.75%) superiorparietal (48.25%, 10.78%) insula (55.31%, 33.79%) middletemporal (51.74%, 15.01%) pericalcarine (90.6%, 61.88%) postcentral (100%, 14.15%) parabippocampal (65.97%, 36.17%) superiorfrontal (75.7%, 6.14%) rostralmiddlefrontal (92.4%, 9.27%) postcentral (55.31%, 6.66%) inferiorparietal (100%, 7.94%) precentral (100%, 7.66%) lateralloritofrontal (100%, 13.07%) postcentral (70.84%, 4.71%) medialorbitofrontal (100%, 11.75%) parsorbitalis (100%, 29.39%) superiortemporal (81.98%, 6.03%)
here	Female sex	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19	2907 2305 3176 1466 1269 1279 955 1003 823 1072 802 835 599 563 421 470 519 512	2.61 2.63 2.69 2.59 2.62 2.62 2.62 2.63 2.63 2.63 2.60 2.54 2.74 2.67 2.77	-0.04 -0.04 -0.06 0.05 -0.06 -0.04 -0.04 -0.04 -0.04 -0.04 -0.04 -0.04 -0.04 -0.04	0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01	rostralmiddlefrontal (99.07%, 36.62%) superiorparietal (47.85%, 10.79%) insula (54.72%, 34.15%) middletemporal (51.98%, 15.07%) pericalcarine (89.76%, 62.48%) postcentral (100%, 14%) parahippocampal (64.61%, 35.42%) superiorfrontal (76.17%, 6.43%) rostralmiddlefrontal (94.41%, 9.88%) postcentral (55.88%, 6.56%) inferiorparietal (100%, 8.29%) precentral (100%, 7.8%) lateralorbitofrontal (100%, 13.76%) postcentral (72.65%, 4.48%) fusiform (100%, 9.03%) medialorbitofrontal (71.49%, 12.00%) superiortemporal (81.31%, 6.14%) superamarginal (100%, 6.28%)		Female sex	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	2830 2284 3110 1467 1245 1293 955 963 789 1101 768 820 607 463 278 505 503	2.61 2.63 2.69 2.59 2.59 2.62 2.62 2.63 2.63 2.63 2.60 2.54 2.60 2.54 2.60 2.54	-0.04 -0.04 -0.04 0.06 0.05 0.06 -0.04 -0.04 0.05 -0.04 0.05 -0.04 0.04 -0.04	0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01	rostralmiddlefrontal (99.33%, 35.75%) superiorparietal (48.25%, 10.78%) insula (55.31%, 33.79%) middletemporal (51.74%, 15.01%) pericalcarine (90.6%, 61.88%) postcentral (100%, 14.15%) parahippocampal (65.97%, 36.17%) superiorfrontal (75.7%, 6.14%) rostralmiddlefrontal (92.4%, 9.27%) postcentral (55.31%, 6.66%) inferiorparietal (100%, 7.94%) precentral (100%, 7.66%) lateralorbitofrontal (100%, 13.07%) postcentral (70.84%, 4.71%) medialorbitofrontal (71.06%, 11.75%) parsorbitalis (100%, 29.39%) superiortemporal (81.98%, 6.03%) supramarginal (100%, 6.17%)
nisphere	Fernale sex	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20	2907 2305 3176 1466 1269 1279 955 1003 823 1072 802 835 563 421 470 519 512 387	2.61 2.63 2.69 2.59 2.62 2.62 2.62 2.63 2.63 2.63 2.63 2.64 2.74 2.67 2.77 2.77 2.70 2.65	-0.04 -0.04 -0.06 0.05 -0.06 -0.04 -0.04 -0.05 -0.04 -0.04 -0.04 -0.04 -0.04 -0.04	0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01	rostalmiddlefrontal (99.07%, 36.62%) superiorparietal (47.85%, 10.79%) insula (54.72%, 34.15%) middletemporal (51.98%, 15.07%) pericalcarine (89.76%, 62.48%) postcentral (100%, 14%) parahippocampal (64.61%, 35.42%) superiorfrontal (76.17%, 6.43%) rostralmiddlerfontal (94.41%, 9.88%) postcentral (55.88%, 6.56%) inferiorparietal (100%, 8.29%) precentral (100%, 8.3%) lateralorbitofrontal (70.65%, 4.48%) fusior (100%, 9.03%) medialorbitofrontal (71.49%, 12.00%) superiortemporal (81.31%, 6.14%) superiortemporal (100%, 6.28%) superiortental (22.7%, 2.03%)		Female sex	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20	2830 2284 3110 1467 1245 1293 955 963 789 1101 768 820 569 607 463 278 505 503 346	2.61 2.63 2.69 2.59 2.62 2.62 2.62 2.63 2.63 2.63 2.60 2.54 2.67 2.62 2.70 2.73	-0.04 -0.04 -0.05 0.06 -0.04 -0.04 -0.04 -0.05 -0.04 -0.05 -0.04 -0.05 -0.04 -0.05	0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01	rostralmiddlefrontal (99.33%, 35.75%) superiorparietal (48.25%, 10.78%) insula (55.31%, 33.79%) middletemporal (51.74%, 15.01%) pericalcarine (90.6%, 61.88%) postcentral (100%, 14.15%) parahippocampal (65.97%, 36.17%) superiorfrontal (75.7%, 6.14%) rostralmiddlefrontal (24.4%, 9.27%) postcentral (55.31%, 6.66%) inferiorparietal (100%, 7.94%) precentral (100%, 7.94%) percentral (100%, 7.66%) lateralorbitofrontal (71.08%, 1.175%) parsorbitalis (100%, 29.39%) superiortemporal (81.98%, 6.03%) superiortemporal (100%, 6.17%) fusiform (100%, 7.42%)
hemisphere	Female sex	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19	2907 2305 3176 1466 1269 1279 955 1003 823 1072 802 835 599 563 421 470 519 512	2.61 2.63 2.69 2.59 2.62 2.62 2.62 2.63 2.63 2.63 2.60 2.54 2.74 2.67 2.77	-0.04 -0.04 -0.06 0.05 -0.06 -0.04 -0.04 -0.04 -0.04 -0.04 -0.04 -0.04 -0.04 -0.04	0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01	rostralmiddlefrontal (99.07%, 36.62%) superiorparietal (47.85%, 10.79%) insula (54.72%, 34.15%) middletemporal (51.98%, 15.07%) pericalcarine (89.76%, 62.48%) postcentral (100%, 14%) parahippocampal (64.61%, 35.42%) superiorfrontal (76.17%, 6.43%) rostralmiddlefrontal (94.41%, 9.88%) postcentral (55.88%, 6.56%) inferiorparietal (100%, 8.29%) precentral (100%, 7.8%) lateralorbitofrontal (100%, 13.76%) postcentral (72.65%, 4.48%) fusiform (100%, 9.03%) medialorbitofrontal (71.49%, 12.00%) superiortemporal (81.31%, 6.14%) superamarginal (100%, 6.28%)		Female sex	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	2830 2284 3110 1467 1245 1293 955 963 789 1101 768 820 607 463 278 505 503	2.61 2.63 2.69 2.59 2.59 2.62 2.62 2.63 2.63 2.63 2.60 2.54 2.60 2.54 2.60 2.54	-0.04 -0.04 -0.04 0.06 0.05 0.06 -0.04 -0.04 0.05 -0.04 0.05 -0.04 0.04 -0.04	0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01	rostralmiddlefrontal (99.33%, 35.75%) superiorparietal (48.25%, 10.78%) insula (55.31%, 33.79%) middletemporal (51.74%, 15.01%) pericalcarine (90.6%, 61.88%) postcentral (100%, 14.15%) parahippocampal (65.97%, 36.17%) superiorfrontal (75.7%, 6.14%) rostralmiddlefrontal (92.4%, 9.27%) postcentral (55.31%, 6.66%) inferiorparietal (100%, 7.94%) precentral (100%, 7.66%) lateralorbitofrontal (100%, 13.07%) postcentral (70.84%, 4.71%) medialorbitofrontal (71.06%, 11.75%) parsorbitalis (100%, 29.39%) superiortemporal (81.98%, 6.03%) supramarginal (100%, 6.17%)
int hemisphere	Female sex	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	2907 2305 3176 1466 1269 1279 955 1003 823 1072 802 835 599 563 421 470 519 519 512 387 254	2.61 2.63 2.69 2.59 2.62 2.62 2.65 2.55 2.63 2.63 2.68 2.60 2.54 2.74 2.77 2.70 2.65 2.65	-0.04 -0.04 -0.05 0.06 0.06 -0.04 -0.04 -0.05 -0.04 -0.04 -0.05 -0.04 -0.04 -0.05	0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01	rostralmiddlefrontal (99.07%, 36.62%) superiorparietal (47.85%, 10.79%) insula (64.72%, 34.15%) middletemporal (51.98%, 15.07%) pericalcarine (89.76%, 62.48%) postcentral (100%, 14%) parahippocampal (64.61%, 35.42%) superiorfrontal (76.17%, 6.43%) rostralmiddlefrontal (94.41%, 9.88%) postcentral (55.88%, 6.56%) inferiorparietal (100%, 8.29%) precentral (100%, 7.8%) lateralorbitofrontal (100%, 13.76%) postcentral (72.65%, 4.48%) fusiform (100%, 9.03%) medialorbitofrontal (71.49%, 12.00%) superiortemporal (81.31%, 6.14%) supramarginal (100%, 6.28%) superiorfrontal (62.27%, 2.03%) parsorbitalis (100%, 26.85%)		Female sex	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	2830 2284 3110 1467 1245 1293 955 963 789 1101 768 820 569 607 463 278 505 503 346 342	2.61 2.63 2.69 2.59 2.62 2.62 2.64 2.63 2.63 2.63 2.69 2.60 2.54 2.67 2.62 2.76 2.73	-0.04 -0.04 -0.05 0.06 -0.04 -0.04 -0.05 -0.04 -0.04 -0.05 -0.04 -0.04 -0.04 -0.04 -0.04	0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01	rostralmiddlefrontal (99.33%, 35.75%) superiorparietal (48.25%, 10.78%) insula (55.31%, 33.79%) middletemporal (51.74%, 15.01%) pericalcarine (90.6%, 61.88%) postcentral (100%, 14.15%) parabippocampal (65.97%, 36.17%) superiorfrontal (75.7%, 6.14%) rostralmiddlefrontal (92.4%, 9.27%) postcentral (55.31%, 6.66%) inferiorparietal (100%, 7.94%) precentral (100%, 7.66%) lateralorbitofrontal (100%, 13.07%) postcentral (70.84%, 4.71%) medialorbitofrontal (71.06%, 11.75%) parsorbitalis (100%, 23.99%) superiortemporal (81.98%, 6.03%) supramarginal (100%, 6.17%) fusiform (100%, 7.42%) superiortentord (62.87%, 1.81%)
Right hemisphere	Female sex	1 2 3 4 4 5 6 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 1 2 3	2907 2305 3176 1466 1269 1279 955 1003 823 1072 802 835 599 563 421 470 519 519 524 37347 12582 2458	2.61 2.63 2.69 2.59 2.62 2.62 2.55 2.59 2.63 2.63 2.63 2.60 2.54 2.77 2.70 2.67 2.77 2.70 2.65 2.65 2.65	-0.04 -0.04 -0.06 0.05 0.06 -0.04 -0.04 -0.05 -0.04 -0.05 -0.04 -0.05 -0.04 -0.04 -0.04 -0.04 -0.04 -0.04 -0.04	0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01	rostralmiddlerfontal (99.07%, 36.62%) superiorparietal (47.85%, 10.79%) insula (54.72%, 34.15%) middletemporal (51.98%, 15.07%) pericalcarine (89.76%, 62.48%) postcentral (100%, 14%) parahippocampal (64.61%, 35.42%) superiorfrontal (76.17%, 6.43%) rostralmiddlerfontal (94.41%, 9.88%) postcentral (55.88%, 6.56%) inferiorparietal (100%, 8.29%) precentral (100%, 7.8%) lateralorbitofrontal (100%, 13.76%) postcentral (72.65%, 4.48%) fusiform (100%, 9.03%) medialorbitofrontal (71.49%, 12.00%) superiortemporal (81.31%, 6.14%) supramarginal (100%, 6.28%) superiortemporal (62.27%, 2.03%) parsorbitalis (100%, 26.85%) precuneus (15.67%, 73.38%) inferiorparietal (44.76%, 58.21%) lateraloccipital (45.65%, 18.82%)	Right hemisphere	Female sex	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 1	2830 2284 3110 1467 1245 1293 955 963 789 1101 768 820 607 463 278 505 503 346 342 37324 12528 2456	2.61 2.63 2.69 2.59 2.59 2.62 2.62 2.64 2.60 2.63 2.69 2.60 2.54 2.67 2.62 2.76 2.76 2.73 2.67 2.65 2.65	-0.04 -0.04 -0.06 0.05 0.06 -0.04 -0.04 -0.05 -0.04 -0.05 -0.04 -0.05 -0.04 -0.04 -0.04 -0.04 -0.04 -0.04 -0.04 -0.04	0.01 0.01	rostralmiddlefrontal (99.33%, 35.75%) superiorparietal (48.25%, 10.78%) insula (55.31%, 33.79%) middletemporal (51.74%, 15.01%) pericalcarine (90.6%, 61.88%) postcentral (100%, 14.15%) parabippocampal (65.97%, 36.17%) superiorfrontal (75.7%, 6.14%) rostralmiddlefrontal (92.4%, 9.27%) postcentral (55.31%, 6.66%) inferiorparietal (100%, 7.94%) precentral (55.31%, 6.66%) inferiorparietal (100%, 7.66%) lateralorbitofrontal (70.0%, 1.75%) postcentral (70.84%, 4.71%) medialorbitofrontal (71.06%, 11.75%) parsorbitalis (100%, 29.39%) superiortemporal (81.98%, 6.03%) supramarginal (100%, 6.17%) fusiform (100%, 7.42%) superiorfrontal (62.87%, 1.81%) precuneus (15.63%, 73.14%) inferiorparietal (44.67%, 57.83%) lateraloccipital (45.64%, 18.80%)
Right hemisphere		1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 1 2 3 4 4 4 4 5 1 6 1 7 1 8 1 1 1 1 1 2 1 2 1 1 1 1 2 1 2 1 2 1	2907 2305 3176 1466 1269 1279 955 1003 823 1072 802 835 599 563 421 470 512 387 254 37347 12582 2458 1259	2.61 2.63 2.69 2.59 2.59 2.62 2.62 2.55 2.59 2.63 2.63 2.63 2.68 2.74 2.74 2.77 2.70 2.65 2.62 2.62 2.62	-0.04 -0.04 -0.06 0.05 0.06 -0.04 -0.04 -0.05 -0.04 -0.04 -0.05 -0.04 -0.04 -0.04 -0.04 -0.04 -0.04 -0.04 -0.03	0.01 0.01	rostralmiddlefrontal (99.07%, 36.62%) superiorparietal (47.85%, 10.79%) inisula (64.72%, 34.15%) middletemporal (51.98%, 15.07%) pericalcarine (89.76%, 62.48%) postcentral (100%, 14%) parahippocampal (64.61%, 35.42%) superiorfrontal (76.17%, 6.43%) rostralmiddlefrontal (94.41%, 9.88%) postcentral (55.88%, 6.56%) inferiorparietal (100%, 8.29%) precentral (100%, 7.8%) ialteralorbitorfontal (100%, 13.76%) postcentral (72.65%, 4.48%) fusiform (100%, 9.03%) medialorbitofrontal (71.49%, 12.00%) superiortemporal (81.31%, 6.14%) supramarginal (100%, 6.28%) superiorfrontal (62.27%, 2.03%) parsorbitalis (100%, 26.85%) precuneus (15.67%, 73.38%) inferiorparietal (44.76%, 58.21%) lateralocipital (45.65%, 18.82%) fusiforn (94.44%, 25.51%)			2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 1 2 2 3 4 4 4 4 4 4 1 2 1 2 1 2 1 2 1 2 1 2 1 2	2830 2284 3110 1467 1245 1293 955 963 789 1101 768 820 569 607 463 278 505 503 346 342 37324 12528 2456 1092	2.61 2.63 2.69 2.59 2.59 2.62 2.62 2.54 2.63 2.63 2.63 2.69 2.54 2.67 2.67 2.70 2.70 2.70 2.70 2.67	-0.04 -0.04 -0.05 -0.06 -0.06 -0.04 -0.04 -0.05 -0.04 -0.05 -0.04 -0.05 -0.04 -0.04 -0.04 -0.04 -0.04 -0.04 -0.04 -0.04 -0.03 -0.03	0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01	rostralmiddlefrontal (99.33%, 35.75%) superiorparietal (48.25%, 10.78%) insula (55.31%, 33.79%) middletemporal (51.74%, 15.01%) pericalcarine (90.6%, 61.88%) postcentral (100%, 14.15%) parabippocampal (65.97%, 36.17%) superiorfrontal (75.7%, 6.14%) rostralmiddlefrontal (92.4%, 9.27%) postcentral (55.31%, 6.66%) inferiorparietal (100%, 7.94%) precentral (100%, 7.66%) lateralorbitorfontal (100%, 17.5%) parsorbitalis (100%, 29.39%) superiortemporal (81.98%, 6.03%) supramarginal (100%, 6.17%) fusiform (100%, 7.42%) superiortemporal (81.98%, 6.03%) superiortemporal (81.98%, 6.13%) superiortrontal (62.87%, 1.81%) precuneus (15.63%, 73.14%) inferiorparietal (44.67%, 57.83%) lateralocipital (45.64%, 61.80%) fusiform (95.51%, 22.38%)
Right hemisphere	Female sex	1 2 3 4 5 6 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 1 2 2 3 4 5 5	2907 2305 3176 1466 1269 1279 955 1003 823 1072 802 835 599 563 421 470 512 387 254 37347 12582 2458 1259 650	2.61 2.63 2.69 2.59 2.59 2.59 2.62 2.62 2.65 2.63 2.63 2.63 2.63 2.64 2.74 2.77 2.70 2.65 2.62 2.65 2.64 2.69	-0.04 -0.04 -0.06 0.05 0.06 -0.04 -0.04 -0.05 -0.04 -0.04 -0.05 -0.04 -0.04 -0.04 -0.04 -0.04 -0.04 -0.04 -0.03 -0.03	0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01	rostalmiddlefrontal (99.07%, 36.62%) superiorparietal (47.85%, 10.79%) insula (54.72%, 34.15%) middletemporal (51.93%, 15.07%) perioalcarine (89.76%, 62.48%) postcentral (100%, 14%) parahippocampal (64.61%, 35.42%) superiorfrontal (76.17%, 6.43%) rostralmidelferontal (94.41%, 9.88%) postcentral (55.88%, 6.56%) inferiorparietal (100%, 8.29%) precentral (100%, 7.8%) lateralorbitofrontal (70.45%, 4.48%) fusion (100%, 9.03%) medialorbitofrontal (71.49%, 12.00%) superiortemporal (81.31%, 6.14%) superiortemporal (81.31%, 6.14%) superiortemporal (62.27%, 2.03%) parsorbitalis (100%, 26.85%) precuents (15.67%, 73.38%) inferiorparietal (44.76%, 58.21%) lateraloccipital (45.65%, 18.82%) precuents (44.44%, 25.51%) precentral (44.92%, 2.97%)		Female sex	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 1 2 3 3 4 4 5 5 6 6 7 7 7 8 8 9 9 1 1 1 1 2 1 2 1 1 2 1 2 1 2 1 2 1 2	2830 2284 3110 1467 1245 1293 955 963 789 1101 768 820 607 463 278 505 503 346 342 37324 12528 2456 1092 666	2.61 2.63 2.59 2.59 2.59 2.62 2.62 2.63 2.63 2.63 2.60 2.54 2.67 2.62 2.76 2.76 2.73 2.67 2.65 2.69	-0.04 -0.04 -0.06 0.05 0.06 -0.04 -0.04 -0.05 -0.04 -0.05 -0.04 -0.04 -0.04 -0.04 -0.04 -0.04 -0.04 -0.04 -0.03 -0.03	0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01	rostralmiddlefrontal (99.33%, 35.75%) superiorparietal (48.25%, 10.78%) insula (55.31%, 33.79%) middletemporal (51.74%, 15.01%) pericalcarine (90.6%, 61.88%) postcentral (100%, 14.15%) parahippocampal (65.97%, 36.17%) superiorfrontal (75.7%, 6.14%) rostralmiddlefrontal (92.4%, 9.27%) postcentral (100%, 7.94%) precentral (100%, 7.94%) precentral (100%, 7.66%) lateralorbitofrontal (71.08%, 1.175%) parsorbitalis (100%, 7.60%, 11.75%) parsorbitalis (100%, 29.39%) superiortemporal (100%, 6.17%) fusiform (100%, 7.42%) superiortemporal (15.63%, 73.14%) inferiorparietal (44.67%, 57.83%) lateraloccipital (45.64%, 18.80%) fusiform (26.51%, 22.383%) precentral (48.95%, 3.05%)
Right hemisphere		1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 1 2 2 3 4 4 5 6 6 7 7 8 7 8 8 9 9 1 1 1 1 1 1 2 1 1 1 1 2 1 1 2 1 1 1 2 2 1 2 2 3 3 4 3 4 3 4 2 1 2 3 3 4 3 4 3 4 3 4 3 4 3 4 3 4 3 4 5 3 4 3 4	2907 2305 3176 1466 1269 1279 955 1003 823 1072 802 835 563 421 470 519 512 387 254 37347 12582 2458 1259 650 611	2.61 2.63 2.69 2.59 2.62 2.62 2.55 2.59 2.63 2.63 2.63 2.63 2.64 2.77 2.77 2.77 2.70 2.65 2.62 2.65 2.69 2.70 2.71 2.69	-0.04 -0.04 -0.05 -0.06 -0.05 -0.06 -0.04 -0.04 -0.04 -0.05 -0.04 -0.04 -0.05 -0.04 -0.05 -0.04 -0.05 -0.04 -0.05 -0.04 -0.05 -0.04 -0.05 -0.04 -0.05 -0.04 -0.05 -0.04 -0.05 -0.04 -0.05 -0.04 -0.05 -0.04 -0.05 -0.04 -0.05 -0.04 -0.05 -0.04 -0.05 -0.04 -0.05 -0.04 -0.05 -0.04 -0.05 -0.05 -0.05 -0.05 -0.05 -0.05 -0.05 -0.05 -0.05 -0.05 -0.05 -0.05 -0.05 -0.05 -0.05 -0.05 -0.05 -0.05	0.01 0.01	rostalmiddlefrontal (99.07%, 36.62%) superiorparietal (47.85%, 10.79%) insula (54.72%, 34.15%) middletemporal (51.98%, 15.07%) pericalcarine (89.76%, 62.48%) postcentral (100%, 14%) parahippocampal (64.61%, 35.42%) superiorfrontal (76.17%, 6.43%) rostralmiddlefrontal (94.41%, 9.88%) postcentral (55.88%, 6.56%) inferiorparietal (100%, 8.29%) precentral (100%, 7.8%) lateralorbitofrontal (100%, 13.76%) postcentral (72.65%, 4.48%) fusiform (100%, 9.03%) medialorbitofrontal (71.49%, 12.00%) superiortemporal (81.31%, 6.14%) supramarginal (100%, 6.28%) superiortemporal (62.27%, 2.03%) parsorbitalis (100%, 26.85%) precuneus (15.67%, 73.38%) inferiorparietal (44.76%, 58.21%) lateraloccipital (45.65%, 18.82%) fusiform (94.44%, 25.51%) precentral (48.92%, 2.97%) superiortortotal (36.66%, 1.89%)			2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 1 2 3 4 5 5 6 6 7 7 8 8 9 9 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	2830 2284 3110 1467 1245 1293 955 963 789 1101 768 820 607 463 278 505 503 346 342 37324 12528 2456 1092 666 607	2.61 2.63 2.69 2.59 2.59 2.62 2.62 2.54 2.63 2.63 2.63 2.60 2.54 2.60 2.70 2.76 2.73 2.67 2.65 2.65 2.65 2.73 2.67	-0.04 -0.04 -0.05 -0.06 -0.05 -0.06 -0.04 -0.04 -0.04 -0.04 -0.04 -0.04 -0.04 -0.04 -0.04 -0.03 -0.04	0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01	rostralmiddlefrontal (99.33%, 35.75%) superiorparietal (48.25%, 10.78%) insula (55.31%, 33.79%) middletemporal (51.74%, 15.01%) pericalcarine (90.6%, 61.88%) postcentral (100%, 14.15%) parahippocampal (65.97%, 36.17%) superiorfrontal (75.7%, 6.14%) rostralmiddlefrontal (92.4%, 9.27%) postcentral (55.31%, 6.66%) inferiorparietal (100%, 7.94%) precentral (55.31%, 6.66%) inferiorparietal (100%, 7.94%) precentral (70.84%, 4.71%) medialorbitofrontal (100%, 11.75%) parsorbitalis (100%, 29.39%) superiortemporal (81.98%, 6.03%) supramarginal (100%, 6.17%) fusiform (100%, 7.42%) superiorfrontal (62.87%, 1.81%) precuneus (15.63%, 73.14%) inferiorparietal (44.67%, 57.83%) lateraloccipital (45.64%, 18.80%) fusiform (95.51%, 22.38%) precentral (48.95%, 3.05%) superiorfrontal (37.4%, 1.91%)
Right hemisphere		1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 1 2 2 3 3 4 5 6 7	2907 2305 3176 1466 1269 1279 955 1003 823 1072 802 835 599 563 421 470 519 512 387 471 254 37347 12582 2458 1259 650 611 459	2.61 2.63 2.69 2.59 2.59 2.62 2.55 2.59 2.63 2.63 2.63 2.63 2.60 2.74 2.77 2.70 2.65 2.69 2.70 2.70 2.65 2.69 2.70 2.70 2.65	-0.04 -0.05 -0.06 -0.06 -0.06 -0.06 -0.06 -0.06 -0.06 -0.06 -0.06 -0.06 -0.06 -0.06 -0.06 -0.06 -0.06 -0.04 -0.03 -0.04 -0.03 -0.04 -0.03	0.01 0.01	rostalmiddlefrontal (99.07%, 36.62%) superiorparietal (47.85%, 10.79%) insula (64.72%, 34.15%) middletemporal (61.98%, 15.07%) pericalcarine (89.76%, 62.48%) postcentral (100%, 14%) parahippocampal (64.61%, 35.42%) superiorfrontal (76.17%, 6.43%) rostralmiddlefrontal (94.41%, 9.88%) postcentral (55.88%, 6.56%) inferiorparietal (100%, 7.8%) lateralorbitofrontal (100%, 13.76%) postcentral (72.65%, 4.48%) fusiform (100%, 9.03%) medialorbitofrontal (71.49%, 12.00%) superiortemporal (81.31%, 6.14%) superiortemporal (81.31%, 6.14%) superiortemporal (82.27%, 2.03%) parsorbitalis (100%, 26.85%) precuneus (15.67%, 73.38%) inferiorparietal (44.76%, 58.21%) lateraloccipital (45.65%, 18.82%) fusiform (94.44%, 25.51%) precentral (49.92%, 2.97%) superiorfrontal (36.66%, 1.89%) caudalmiddlefrontal (100%, 13.14%)			2 3 4 5 6 7 8 8 9 9 10 11 12 13 14 15 16 17 18 19 20 21 1 2 3 3 4 5 6 7 7 8 7 8 9 9 1 9 1 9 1 9 1 9 1 9 1 9 1 9 1 9 1	2830 2284 3110 1467 1245 1293 955 963 789 1101 768 820 607 463 278 505 503 346 342 37324 12528 2456 1092 666 607 457	2.61 2.63 2.69 2.59 2.59 2.62 2.62 2.63 2.63 2.63 2.60 2.54 2.67 2.62 2.76 2.70 2.73 2.65 2.69 2.70 2.70 2.71 2.65	-0.04 -0.04 -0.05 -0.06 -0.05 -0.06 -0.04 -0.04 -0.05 -0.04 -0.05 -0.04 -0.05 -0.04 -0.05 -0.04 -0.05 -0.04 -0.05 -0.04 -0.05 -0.04 -0.05 -0.04 -0.05 -0.04 -0.05 -0.04 -0.05 -0.04 -0.05 -0.04 -0.05 -0.04 -0.05 -0.03 -0.03 -0.03 -0.03	0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01	rostralmiddlefrontal (99.33%, 35.75%) superiorparietal (48.25%, 10.78%) insula (55.31%, 33.79%) middletemporal (51.74%, 15.01%) pericalcarine (90.6%, 61.88%) postcentral (100%, 14.15%) parabippocampal (65.97%, 36.17%) superiorfrontal (75.7%, 6.14%) rostralmiddlefrontal (92.4%, 9.27%) postcentral (55.31%, 6.66%) inferiorparietal (100%, 7.94%) precentral (100%, 7.66%) interiorparietal (100%, 7.66%) interiorparietal (100%, 7.66%) precentral (70.84%, 4.71%) medialorbitofrontal (70.0%, 11.75%) parsorbitalis (100%, 29.39%) superiortemporal (81.98%, 6.03%) supramarginal (100%, 6.17%) fusiform (100%, 7.42%) superiortontal (62.87%, 1.81%) precuneus (15.63%, 73.14%) inferiorparietal (44.67%, 57.83%) lateralocolpial (45.64%, 18.80%) fusiform (95.51%, 22.38%) precentral (48.95%, 3.05%) superiortrontal (37.4%, 1.91%) caudalmiddlefrontal (100%, 13.08%) superiortrontal (37.4%, 1.91%) caudalmiddlefrontal (100%, 13.08%)
Right hemisphere	Age at MRI	1 2 3 4 5 6 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 1 2 3 3 4 5 6 6 7 8	2907 2305 3176 1466 1269 1279 955 1003 823 1072 802 835 599 563 421 470 519 512 2387 254 37347 12582 2458 1259 650 611 459 710	2.61 2.63 2.69 2.59 2.59 2.62 2.62 2.65 2.63 2.63 2.63 2.63 2.64 2.74 2.77 2.70 2.65 2.62 2.65 2.69 2.71 2.62 2.63	-0.04 -0.06 -0.06 -0.06 -0.06 -0.06 -0.04 -0.04 -0.04 -0.04 -0.04 -0.04 -0.04 -0.04 -0.04 -0.04 -0.04 -0.04 -0.04 -0.04 -0.04 -0.05 -0.04 -0.04 -0.05 -0.04 -0.06	0.01 0.01	rostalmiddlefrontal (99.07%, 36.62%) superiorparietal (47.85%, 10.79%) insula (54.72%, 34.15%) middletemporal (51.93%, 15.07%) perioalcarine (89.76%, 62.48%) postcentral (100%, 14%) parahippocampal (64.61%, 35.42%) superiorfrontal (76.17%, 6.43%) rostalmiddlerfontal (94.41%, 9.88%) postcentral (55.88%, 6.56%) inferiorparietal (100%, 8.29%) precentral (100%, 7.8%) lateralorbitofrontal (70.48%) (100%, 9.03%) medialorbitofrontal (71.49%, 12.00%) superiortremporal (81.31%, 6.14%) superiortremporal (81.31%, 6.14%) superiortrontal (62.27%, 2.03%) parsorbitalis (100%, 28.65%) precentral (55.67%, 7.38%) inferiorparietal (44.76%, 58.21%) lateralocoipital (45.65%, 18.82%) fusiform (94.44%, 25.51%) precentral (48.92%, 2.97%) superiorfrontal (36.66%, 1.89%) caudalmiddlefrontal (100%, 1.314%) supramarginal (100%, 57.8%)		Age at MRI	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 1 2 3 4 5 6 6 7 8 8 9 9 10 10 10 10 10 10 10 10 10 10 10 10 10	2830 2284 3110 1467 1245 1293 955 963 789 1101 768 820 607 463 278 505 503 346 342 37324 12528 2456 1092 666 607 457 718	2.61 2.63 2.59 2.59 2.59 2.62 2.62 2.63 2.63 2.63 2.63 2.60 2.54 2.62 2.76 2.76 2.77 2.67 2.67 2.67 2.67	-0.04 -0.04 -0.06 -0.05 -0.06 -0.06 -0.04 -0.04 -0.04 -0.04 -0.04 -0.04 -0.04 -0.04 -0.04 -0.04 -0.04 -0.03 -0.03 -0.03 -0.03 -0.03 -0.03 -0.03 -0.03	0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01	rostralmiddlefrontal (99.33%, 35.75%) superiorparietal (48.25%, 10.78%) insula (55.31%, 33.79%) middletemporal (51.74%, 15.01%) pericalcarine (90.6%, 61.88%) postcentral (100%, 14.15%) parahippocampal (65.97%, 36.17%) superiorfrontal (75.7%, 6.14%) rostralmiddlefrontal (24.4%, 9.27%) postcentral (100%, 7.94%) precentral (100%, 7.94%) precentral (100%, 7.94%) precentral (100%, 7.66%) lateralorbitofrontal (100%, 13.07%) postcentral (70.84%, 4.71%) medialorbitofrontal (10.6%, 11.75%) parsorbitalis (100%, 29.39%) superiorfrontal (61.98%, 6.03%) superiorfrontal (62.87%, 1.81%) precuneus (15.63%, 73.14%) inferiorparietal (44.67%, 57.83%) lateraloccipital (45.64%, 18.80%) fusiform (108.51%, 22.38%) precentral (48.95%, 3.05%) superiorfrontal (27.4%, 1.91%) caudalmiddlefrontal (100%, 13.08%) supramarginal (191.75%, 8.09%)
Right hemisphere		1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 1 2 2 3 3 4 5 6 7	2907 2305 3176 1466 1269 1279 955 1003 823 1072 802 835 599 563 421 470 519 512 387 471 254 37347 12582 2458 1259 650 611 459	2.61 2.63 2.69 2.59 2.59 2.62 2.55 2.59 2.63 2.63 2.63 2.63 2.60 2.74 2.77 2.70 2.65 2.69 2.70 2.70 2.65 2.69 2.70 2.70 2.65	-0.04 -0.05 -0.06 -0.06 -0.06 -0.06 -0.06 -0.06 -0.06 -0.06 -0.06 -0.06 -0.06 -0.06 -0.06 -0.06 -0.06 -0.04 -0.03 -0.04 -0.03 -0.04 -0.03	0.01 0.01	rostalmiddlefrontal (99.07%, 36.62%) superiorparietal (47.85%, 10.79%) insula (64.72%, 34.15%) middletemporal (61.98%, 15.07%) pericalcarine (89.76%, 62.48%) postcentral (100%, 14%) parahippocampal (64.61%, 35.42%) superiorfrontal (76.17%, 6.43%) rostralmiddlefrontal (94.41%, 9.88%) postcentral (55.88%, 6.56%) inferiorparietal (100%, 7.8%) lateralorbitofrontal (100%, 13.76%) postcentral (72.65%, 4.48%) fusiform (100%, 9.03%) medialorbitofrontal (71.49%, 12.00%) superiortemporal (81.31%, 6.14%) superiortemporal (81.31%, 6.14%) superiortemporal (82.27%, 2.03%) parsorbitalis (100%, 26.85%) precuneus (15.67%, 73.38%) inferiorparietal (44.76%, 58.21%) lateraloccipital (45.65%, 18.82%) fusiform (94.44%, 25.51%) precentral (49.92%, 2.97%) superiorfrontal (36.66%, 1.89%) caudalmiddlefrontal (100%, 13.14%)			2 3 4 5 6 7 8 8 9 9 10 11 12 13 14 15 16 17 18 19 20 21 1 2 3 3 4 5 6 7 7 8 7 8 9 9 1 9 1 9 1 9 1 9 1 9 1 9 1 9 1 9 1	2830 2284 3110 1467 1245 1293 955 963 789 1101 768 820 607 463 278 505 503 346 342 37324 12528 2456 1092 666 607 457	2.61 2.63 2.69 2.59 2.59 2.62 2.62 2.63 2.63 2.63 2.60 2.54 2.67 2.62 2.76 2.70 2.73 2.65 2.69 2.70 2.70 2.70 2.70 2.70 2.70 2.70 2.70	-0.04 -0.04 -0.05 -0.06 -0.05 -0.06 -0.04 -0.04 -0.05 -0.04 -0.05 -0.04 -0.05 -0.04 -0.05 -0.04 -0.05 -0.04 -0.05 -0.04 -0.05 -0.04 -0.05 -0.04 -0.05 -0.04 -0.05 -0.04 -0.05 -0.04 -0.05 -0.04 -0.05 -0.04 -0.05 -0.03 -0.03 -0.03 -0.03	0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01	rostralmiddlefrontal (99.33%, 35.75%) superiorparietal (48.25%, 10.78%) insula (55.31%, 33.79%) middletemporal (51.74%, 15.01%) pericalcarine (90.6%, 61.88%) postcentral (100%, 14.15%) parabippocampal (65.97%, 36.17%) superiorfrontal (75.7%, 6.14%) rostralmiddlefrontal (92.4%, 9.27%) postcentral (55.31%, 6.66%) inferiorparietal (100%, 7.94%) precentral (100%, 7.66%) interiorparietal (100%, 7.66%) interiorparietal (100%, 7.66%) precentral (70.84%, 4.71%) medialorbitofrontal (70.0%, 11.75%) parsorbitalis (100%, 29.39%) superiortemporal (81.98%, 6.03%) supramarginal (100%, 6.17%) fusiform (100%, 7.42%) superiortontal (62.87%, 1.81%) precuneus (15.63%, 73.14%) inferiorparietal (44.67%, 57.83%) lateralocolpial (45.64%, 18.80%) fusiform (95.51%, 22.38%) precentral (48.95%, 3.05%) superiortrontal (37.4%, 1.91%) caudalmiddlefrontal (100%, 13.08%) superiortrontal (37.4%, 1.91%) caudalmiddlefrontal (100%, 13.08%)
Right hemisphere	Age at MRI	1 2 3 4 4 5 6 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 1 2 3 4 5 6 6 7 8 8 1 1 2	2907 2305 3176 1466 1269 1279 955 1003 823 1072 802 835 599 563 421 470 519 512 2387 254 37347 12582 2458 1259 650 611 459 612 529 3611	2.61 2.63 2.69 2.59 2.62 2.62 2.55 2.59 2.63 2.63 2.63 2.63 2.64 2.74 2.77 2.77 2.77 2.75 2.65 2.69 2.70 2.65 2.69 2.71 2.62 2.53	-0.04 -0.04 -0.06 -0.06 -0.06 -0.06 -0.04 -0.05 -0.06	0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01	rostalmiddlefrontal (99.07%, 36.62%) superiorparietal (47.85%, 10.79%) insula (54.72%, 34.15%) middletemporal (51.98%, 15.07%) pericalcarine (89.76%, 62.48%) postcentral (100%, 14%) parahippocampal (64.61%, 35.42%) superiorfrontal (76.17%, 6.43%) rostralmiddlefrontal (94.41%, 9.88%) postcentral (55.88%, 6.56%) inferiorparietal (100%, 8.29%) precentral (100%, 7.8%) lateralorbitofrontal (100%, 13.76%) postcentral (72.65%, 4.48%) fusiform (100%, 9.03%) medialorbitofrontal (71.49%, 12.00%) superiortemporal (81.31%, 6.14%) supramarginal (100%, 6.28%) superiortemporal (62.27%, 2.03%) parsorbitalis (100%, 26.85%) precuneus (15.67%, 73.38%) inferiorparietal (44.76%, 58.21%) precentral (48.29%, 2.97%) superiorfrontal (32.27%) superiorfrontal (48.29%, 2.97%) superiorfrontal (48.92%, 2.97%) superiorfrontal (168.66%, 1.89%) caudalmiddlefrontal (100%, 13.14%) supramarginal (91.55%, 7.98%) lateralorbitofrontal (100%, 13.14%) supramarginal (91.55%, 7.98%) lateralorbitofrontal (100%, 13.14%) supramarginal (19.55%, 7.98%) lateralorbitofrontal (100%, 13.140%)		Age at MRI	2 3 4 5 6 7 7 8 9 100 111 12 13 13 14 15 5 6 6 7 7 8 8 1 1 2 2 1 1 1	2830 2284 3110 1467 1245 1293 955 963 789 1101 768 820 607 463 278 505 503 346 342 37324 12528 2456 1092 2666 607 457 718	2.61 2.63 2.69 2.59 2.59 2.62 2.62 2.54 2.63 2.63 2.60 2.54 2.60 2.70 2.72 2.62 2.73 2.67 2.65 2.70 2.73 2.67 2.65 2.70 2.73 2.67 2.65 2.70 2.73 2.67 2.65 2.70 2.70 2.70 2.70 2.70 2.70 2.70 2.70	-0.04 -0.04 -0.06 -0.05 -0.06 -0.06 -0.04 -0.04 -0.04 -0.04 -0.04 -0.04 -0.04 -0.04 -0.03 -0.03 -0.03 -0.03 -0.03 -0.03 -0.03 -0.03 -0.03 -0.03	0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01	rostralmiddlefrontal (99.33%, 35.75%) superiorparietal (48.25%, 10.78%) insula (55.31%, 33.79%) middletemporal (51.74%, 15.01%) pericalcarine (90.6%, 61.88%) postcentral (100%, 14.15%) parahippocampal (65.97%, 36.17%) superiorfrontal (75.7%, 6.14%) rostralmiddlefrontal (92.4%, 9.27%) postcentral (55.31%, 6.66%) inferiorparietal (100%, 7.94%) precentral (50.31%, 6.66%) inferiorparietal (100%, 7.94%) precentral (70.84%, 4.71%) medialorbitofrontal (71.06%, 11.75%) parsorbitalis (100%, 29.39%) superiortemporal (81.98%, 6.03%) supramarginal (100%, 6.17%) fusiform (100%, 7.42%) superiorfrontal (62.87%, 1.81%) precuneus (15.63%, 73.14%) inferiorparietal (44.67%, 57.83%) lateraloccipital (45.64%, 18.80%) fusiform (95.51%, 22.38%) precentral (49.59%, 3.05%) superiorfrontal (37.4%, 1.91%) caudalmiddlefrontal (100%, 13.08%) supramarginal (91.78%, 8.09%) lateralorbitofrontal (100%, 15.07%) supramarginal (191.78%, 8.09%) lateralorbitofrontal (100%, 15.07%)
Right hemisphere	Age at MRI	1 2 3 4 4 5 5 6 6 7 8 9 10 111 12 2 1 13 14 15 16 6 17 18 19 20 21 1 1 2 2 3 4 4 5 6 6 7 8 1 1 1 2 2 3	2907 2305 3176 1466 1269 1279 955 1003 823 1072 802 835 563 421 470 519 512 254 37347 12582 2458 1259 650 611 459 710 612 5229 3611 1787	2.61 2.63 2.69 2.59 2.62 2.62 2.55 2.59 2.63 2.63 2.63 2.63 2.64 2.77 2.77 2.77 2.76 2.65 2.69 2.71 2.62 2.65 2.69 2.71 2.62 2.63 2.63 2.64 2.71 2.65 2.69 2.71 2.62 2.63 2.64 2.65 2.66 2.66 2.67 2.67 2.67 2.67 2.67 2.67	-0.04 -0.04 -0.06 -0.06 -0.06 -0.06 -0.04 -0.05 -0.06	0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01	rostalmiddlefrontal (99.07%, 36.62%) superiorparietal (47.85%, 10.79%) insula (54.72%, 34.15%) middletemporal (51.98%, 15.07%) pericalcarine (89.76%, 62.48%) postcentral (100%, 14%) parahippocampal (64.61%, 35.42%) superiorfrontal (76.17%, 6.43%) rostalmiddlefrontal (94.41%, 9.88%) postcentral (100%, 8.29%) precentral (100%, 7.8%) lateralorbitofrontal (100%, 13.76%) postcentral (72.65%, 4.48%) fusiform (100%, 9.03%) medialorbitofrontal (71.49%, 12.00%) superiortemporal (81.31%, 6.14%) supramarginal (100%, 6.28%) superiortemporal (62.27%, 2.03%) parsorbitalis (100%, 26.85%) precuneus (15.67%, 73.38%) inferiorparietal (44.76%, 58.21%) lateraloccipital (45.65%, 18.82%) fusiform (44.95%, 2.551%) precentral (49.92%, 2.97%) superiorfrontal (36.66%, 1.89%) caudalmiddlefrontal (100%, 13.14%) supramarginal (91.55%, 7.98%) lateralorbitofrontal (100%, 13.14%) supramarginal (91.55%, 7.98%) lateralorbitofrontal (100%, 14.06%) precuneus (36.72%, 24.08%) lateralorbitofrontal (17.776%, 47.09%) inferiorparietal (17.776%, 47.09%) inferiorparietal (17.776%, 47.09%) inferiorparietal (13.34%, 5.79%) inferiorparietal (13.34%, 5.79%) inferiorparietal (13.34%, 5.79%)		Age at MRI	2 3 4 4 5 6 6 7 8 9 10 112 13 14 15 16 6 7 7 8 9 20 21 1 2 2 3 4 4 5 6 6 7 8 8 1 2 2 1 1 2 2	2830 2284 3110 1467 1245 1293 955 963 789 1101 768 820 607 463 3278 505 503 346 342 37324 12528 2456 1092 666 607 457 718 656 272 5163	2.61 2.63 2.69 2.59 2.59 2.62 2.64 2.63 2.63 2.63 2.60 2.54 2.60 2.70 2.73 2.67 2.62 2.76 2.73 2.67 2.63 2.69 2.70 2.73 2.67 2.64 2.69 2.70 2.73 2.67 2.69 2.70 2.69 2.70 2.69 2.70 2.69 2.70 2.69 2.70 2.69 2.70 2.69 2.70 2.69 2.70 2.69 2.70 2.69 2.70 2.69 2.70 2.69 2.70 2.69 2.70 2.70 2.70 2.70 2.70 2.70 2.70 2.70	-0.04 -0.04 -0.06 -0.05 -0.06 -0.06 -0.04 -0.04 -0.04 -0.04 -0.04 -0.04 -0.04 -0.04 -0.03	0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01	rostralmiddlefrontal (99.33%, 35.75%) superiorparietal (48.25%, 10.78%) insula (55.31%, 33.79%) middletemporal (51.74%, 15.01%) pericalcarine (90.6%, 61.88%) postcentral (100%, 14.15%) parahippocampal (65.97%, 36.17%) superiorfrontal (75.7%, 6.14%) rostralmiddlefrontal (92.4%, 9.27%) postcentral (55.31%, 6.66%) inferiorparietal (100%, 7.94%) precentral (100%, 7.66%) lateralorbitofrontal (70.06%, 11.75%) parahippocampal (61.98%, 6.03%) superiorfrontal (71.06%, 11.75%) parahippocampal (100%, 29.39%) superiorfrontal (81.98%, 6.03%) supramarginal (110%, 6.17%) fusiform (100%, 7.42%) superiorfrontal (62.87%, 18.11%) precuneus (15.63%, 73.14%) inferiorparietal (44.67%, 57.83%) lateraloccipital (45.64%, 18.80%) fusiform (95.51%, 22.38%) precentral (49.95%, 3.05%) superiorfrontal (100%, 13.08%) supramarginal (91.78%, 8.09%) lateraloccipital (56.44%, 19.1%) caudalmiddlefrontal (100%, 15.07%) lateraloccipital (56.46%, 2.67%) precuneus (36.41%, 23.57%) lateraloccipital (77.82%, 46.49%)
Right hemisphere	Age at MRI	1 2 3 4 4 5 6 6 7 8 8 9 10 11 2 13 14 15 16 17 18 19 20 21 1 2 2 3 3 4 4 5 6 6 7 8 1 1 2 2 3 3 4	2907 2305 3176 1466 1269 1279 955 1003 823 1072 802 835 563 421 470 519 512 387 254 37347 12582 2458 1259 650 611 459 710 612 5229 3611 1787 2278	2.61 2.63 2.69 2.59 2.62 2.55 2.59 2.63 2.63 2.63 2.63 2.60 2.54 2.77 2.70 2.65 2.69 2.70 2.70 2.65 2.69 2.70 2.61 2.62 2.63 2.69 2.69 2.69 2.69 2.69 2.69 2.69 2.69	-0.04 -0.05 -0.04 -0.03	0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01	rostalmiddlefrontal (99.07%, 36.62%) superiorparietal (47.85%, 10.79%) insula (54.72%, 34.15%) middletemporal (51.98%, 15.07%) pericalcarine (89.76%, 62.48%) postcentral (100%, 14%) parahippocampal (64.61%, 35.42%) superiorfrontal (76.17%, 6.43%) rostralmiddlefrontal (94.41%, 9.88%) postcentral (55.88%, 6.56%) inferiorparietal (100%, 8.29%) precentral (100%, 7.8%) lateralorbitofrontal (100%, 13.76%) postcentral (72.65%, 4.48%) fusiform (100%, 9.03%) medialorbitofrontal (71.49%, 12.00%) superiortemporal (81.31%, 6.14%) supramarginal (100%, 6.28%) superiortemporal (82.27%, 2.03%) parsorbitalis (100%, 26.85%) precuneus (15.67%, 73.38%) inferiorparietal (44.76%, 58.21%) lateralorcipital (45.65%, 18.82%) fusiform (94.44%, 25.51%) precuntral (36.66%, 1.89%) caudalmiddlefrontal (100%, 13.14%) supramarginal (91.55%, 7.98%) lateraloccipital (77.76%, 47.09%) inferiorparietal (31.34%, 47.09%) interaloccipital (17.76%, 47.09%) interaloccipital (17.76%, 47.09%) inferiorparietal (31.34%, 5.79%) superiortemporal (48.99%, 16.25%)		Age at MRI	2 3 4 5 6 6 7 8 9 100 111 12 13 14 15 16 17 18 19 20 21 1 2 2 3 1 4 5 6 6 7 8 1 1 2 2 3 3 3 1 1 1 1 1 1 1 1 1 1 1 1 1	2830 2284 3110 1467 1245 1293 955 963 789 1101 768 820 607 463 278 505 503 346 342 37324 12528 666 607 457 718 656 607 718 656 7563 789	2.61 2.63 2.69 2.59 2.59 2.62 2.63 2.63 2.63 2.60 2.54 2.67 2.70 2.73 2.67 2.65 2.69 2.70 2.70 2.73 2.63 2.69 2.70 2.70 2.70 2.70 2.70 2.70 2.70 2.70	-0.04 -0.04 -0.05 -0.06 -0.04 -0.04 -0.04 -0.04 -0.05 -0.04 -0.05 -0.04 -0.05 -0.04 -0.05 -0.04 -0.05 -0.04 -0.05 -0.04 -0.05 -0.04 -0.06 -0.06 -0.03 -0.03 -0.03 -0.03 -0.03 -0.03 -0.03 -0.03 -0.03 -0.03 -0.03 -0.03 -0.03	0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01	rostralmiddlefrontal (99.33%, 35.75%) superiorparietal (48.25%, 10.78%) insula (55.31%, 33.79%) middletemporal (51.74%, 15.01%) pericalcarine (90.6%, 61.88%) postcentral (100%, 14.15%) parabippocampal (65.97%, 36.17%) superiorfrontal (75.7%, 6.14%) rostralmiddlefrontal (92.4%, 9.27%) postcentral (55.31%, 6.66%) inferiorparietal (100%, 7.94%) precentral (55.31%, 6.66%) inferiorparietal (100%, 7.66%) lateralorbitofrontal (70.0%, 11.75%) parsorbitalis (100%, 29.39%) superiortemporal (81.98%, 6.03%) supramarginal (100%, 6.17%) fusiform (100%, 7.42%) superiorfrontal (62.87%, 1.81%) precuneus (15.63%, 73.14%) inferiorparietal (44.67%, 57.83%) lateralorcipital (45.64%, 18.80%) superiorfrontal (62.87%, 1.91%) caudalmiddlefrontal (100%, 13.08%) superiorfrontal (17.4%, 19.9%) caudalmiddlefrontal (100%, 15.07%) lateraloccipital (17.8%, 8.09%) superiorfrontal (17.4%, 1.91%) caudalmiddlefrontal (100%, 15.07%) lateraloccipital (58.46%, 2.67%) precuneus (36.41%, 23.57%) lateraloccipital (58.46%, 2.67%) precuneus (36.41%, 23.57%) lateraloccipital (78.2%, 64.9%) precuneus (36.41%, 23.57%) lateraloccipital (77.82%, 6.09%) precuneus (36.41%, 64.9%) middletemporal (31.50%, 10.86%)
Right hemisphere	Age at MRI	1 2 3 4 4 5 6 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 1 2 2 3 4 4 5 6 6 7 8 1 1 2 2 3 4 4 5 5	2907 2305 3176 1466 1269 1279 955 1003 823 1072 802 835 599 563 421 470 519 512 287 2524 887 259 650 611 459 670 612 5229 3611 1787 2278 882	2.61 2.63 2.69 2.59 2.59 2.62 2.62 2.65 2.63 2.63 2.63 2.63 2.64 2.67 2.77 2.77 2.70 2.65 2.62 2.65 2.64 2.64 2.65 2.53 2.63 2.63 2.63 2.63 2.63 2.63 2.63 2.6	-0.04 -0.06 -0.06 -0.06 -0.06 -0.06 -0.04 -0.04 -0.05 -0.04 -0.05 -0.04 -0.04 -0.03 -0.04 -0.04 -0.05 -0.04 -0.03 -0.04 -0.03 -0.04 -0.05 -0.05	0.01 0.01	rostalmiddlerfontal (99.07%, 36.62%) superiorparietal (47.85%, 10.79%) insula (54.72%, 34.15%) middletemporal (51.93%, 15.07%) perioalcarine (89.76%, 62.48%) postcentral (100%, 14%) parahippocampal (64.61%, 35.42%) superiorfrontal (76.17%, 6.43%) rostalmiddlerfontal (94.41%, 9.88%) postcentral (55.88%, 6.56%) inferiorparietal (100%, 8.29%) precentral (100%, 8.29%) precentral (100%, 7.8%) lateralorbitofrontal (71.49%, 12.00%) superiorfrontal (72.65%, 4.48%) fusion (100%, 9.03%) medialorbitofrontal (71.49%, 12.00%) superiortemporal (81.31%, 6.14%) superiortemporal (81.31%, 6.14%) superiorfrontal (62.27%, 2.03%) parsorbitalis (100%, 26.85%) precentral (156.78%, 7.38%) inferiorparietal (44.76%, 58.21%) lateraloccipital (45.65%, 18.82%) fusion (94.44%, 25.51%) precentral (48.92%, 2.97%) superiorfrontal (36.66%, 1.89%) caudalmidelferfontal (100%, 13.14%) supramarginal (91.55%, 7.98%) lateraloccipital (77.76%, 47.09%) inferiorparietal (31.34%, 5.79%) superiortemporal (31.34%, 5.79%) superiorparietal (31.34%, 5.79%) superiorparietal (31.34%, 5.79%) superiorparietal (31.34%, 5.79%) superiorparietal (48.99%, 16.25%) superiorparietal (66.67%, 5.75%)		Age at MRI	2 3 4 4 5 6 6 7 8 9 100 111 12 13 14 15 16 6 7 7 8 8 11 2 2 3 3 4 4 5 5 6 6 7 7 8 8 11 2 2 3 3 4 4 5 5 6 6 7 7 8 8 11 2 2 3 3 4 4 5 6 7 7 8 8 1 1 2 2 3 3 4 4 5 6 7 7 8 8 1 1 2 2 3 3 4 4 5 6 7 7 8 8 1 1 2 2 3 3 4 4 5 6 7 7 8 8 1 1 2 2 3 3 4 4 5 6 7 7 8 8 1 1 2 2 3 3 4 4 6 7 7 8 8 1 1 2 2 3 3 4 4 6 7 7 8 8 1 1 2 2 3 3 4 4 6 7 7 8 8 1 1 2 2 3 3 4 4 6 7 7 8 8 1 1 2 2 3 3 4 4 6 7 7 8 8 1 1 2 2 3 3 4 8 1 1 2 2 3 3 4 8 1 1 2 2 3 3 4 8 1 1 2 2 3 3 4 8 1 1 2 2 3 3 4 8 1 1 1 2 2 3 3 4 8 1 1 1 2 2 3 3 4 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	2830 2284 3110 1467 1245 1293 955 963 789 1101 768 820 569 607 463 278 505 503 346 342 37324 12528 2456 1092 666 607 457 718 656 272 5163 3562 1743 3562 1743	2.61 2.63 2.59 2.59 2.59 2.62 2.62 2.63 2.63 2.63 2.63 2.67 2.62 2.76 2.77 2.62 2.76 2.73 2.67 2.67 2.67 2.67 2.63 2.63 2.63 2.63 2.63 2.63 2.63 2.63	-0.04 -0.04 -0.06 -0.05 -0.06 -0.06 -0.04 -0.04 -0.04 -0.05 -0.04 -0.04 -0.04 -0.04 -0.03 -0.04 -0.05 -0.04 -0.05 -0.04 -0.05 -0.06 -0.05 -0.05 -0.03	0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01	rostralmiddlefrontal (99.33%, 35.75%) superiorparietal (48.25%, 10.78%) insula (55.31%, 33.79%) middletemporal (51.74%, 15.01%) pericalcarine (90.6%, 61.88%) postcentral (100%, 14.15%) parahippocampal (65.97%, 36.17%) superiorfrontal (75.7%, 6.14%) rostralmiddlefrontal (92.4%, 9.27%) postcentral (100%, 7.94%) precentral (100%, 7.94%) precentral (100%, 7.94%) precentral (100%, 7.60%) lateralorbitofrontal (71.08%, 11.75%) parsorbitalis (100%, 29.39%) superiorfrontal (100%, 13.07%) pustcentral (70.84%, 4.71%) parsorbitalis (100%, 29.39%) superiorfrontal (61.98%, 6.03%) superiorfrontal (62.87%, 1.81%) precuneus (15.63%, 73.14%) inferiorparietal (44.67%, 57.83%) lateraloccipital (45.64%, 18.80%) fusior (15.55%, 22.38%) precentral (48.95%, 3.05%) superiorfrontal (62.87%, 18.90%) lateraloccipital (91.78%, 8.09%) superiorfrontal (71.78%, 8.09%) superiorfrontal (100%, 15.07%) lateraloccipital (84.68%, 2.75%) precuneus (36.41%, 23.57%) lateraloccipital (15.84%, 8.09%) ilateraloccipital (71.82%, 46.49%) middletemporal (41.78%, 16.02%) superiortemporal (48.78%, 16.02%)
Right hemisphere	Age at MRI Height	1 2 3 4 4 5 5 6 6 7 8 9 9 10 11 1 12 2 1 1 1 2 2 1 1 1 2 2 3 3 4 4 5 5 6 6 7 8 1 1 1 2 2 3 3 4 5 5 6 6 6 7 8 1 1 1 2 2 3 3 4 5 5 6 6 6 7 8 1 1 1 2 2 3 3 4 5 5 6 6 6 7 8 1 1 1 2 2 3 3 4 5 5 6 6 6 7 8 1 1 1 2 2 3 3 4 5 5 6 6 6 7 8 1 1 1 1 2 2 3 3 4 5 5 6 6 6 7 8 1 1 1 1 2 2 3 3 4 5 5 6 6 6 7 8 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	2907 2305 3176 1466 1269 1279 955 1003 823 1072 802 835 599 563 421 470 519 512 254 37347 12582 2458 1259 650 611 459 710 612 5229 3611 1787 2278 882 2458	2.61 2.63 2.69 2.59 2.62 2.62 2.55 2.59 2.63 2.63 2.63 2.63 2.64 2.77 2.77 2.77 2.76 2.65 2.62 2.64 2.64 2.64 2.64 2.63 2.63 2.64 2.64 2.64 2.65 2.69 2.71 2.62 2.63 2.64 2.64 2.65 2.66 2.66 2.67 2.67 2.67 2.67 2.67 2.68 2.69 2.69 2.69 2.69 2.69 2.69 2.69 2.69	-0.04 -0.04 -0.06 -0.06 -0.06 -0.06 -0.04 -0.05 -0.04 -0.03 -0.04 -0.04 -0.04 -0.04 -0.04 -0.04 -0.05	0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01	rostalmiddlerfontal (99.07%, 36.62%) superiorparietal (47.85%, 10.79%) insula (54.72%, 34.15%) middletemporal (51.98%, 15.07%) pericalcarine (89.76%, 62.48%) postcentral (100%, 14%) parahippocampal (64.61%, 35.42%) superiorfrontal (76.17%, 6.43%) rostalmiddlerfontal (94.41%, 9.88%) postcentral (100%, 8.29%) precentral (100%, 7.8%) iateralorbitofrontal (70.78%, 6.43%) rostcentral (70.0%, 7.8%) iateralorbitofrontal (70.0%, 13.76%) postcentral (70.0%, 7.8%) iateralorbitofrontal (71.49%, 12.00%) superiortemporal (81.31%, 6.14%) superiortemporal (81.31%, 6.14%) superiortemporal (81.31%, 6.14%) superiortemporal (62.27%, 2.03%) parsorbitalis (100%, 26.85%) precuneus (15.67%, 73.8%) inferiorparietal (44.76%, 58.21%) lateralocipital (45.65%, 18.82%) fusiform (94.44%, 25.51%) precentral (49.92%, 2.97%) superiorfrontal (36.66%, 1.89%) caudalmiddlefrontal (100%, 13.14%) supramarginal (91.55%, 7.99%) superiortemporal (48.99%, 47.09%) inferiorparietal (71.34%, 5.79%) superiortemporal (58.57%, 5.75%) superiortemporal (48.99%, 16.25%) superiortemporal (58.5%, 5.65%) superiortemporal (58.56%, 58.5%, 3.66%) superiortemporal (58.56%, 58.5%, 3.66%) superiortemporal (58.56%, 58.5%), 3.66%)		Age at MRI	2 3 4 5 6 6 7 7 8 9 9 100 111 12 13 3 4 4 5 5 6 6 7 7 8 11 2 2 3 3 4 4 5 5 6 6 7 8 8 1 2 2 3 3 4 4 5 5	2830 2284 3110 1467 1245 1293 955 963 789 1101 768 820 607 463 3278 505 503 346 342 37324 12528 2456 1092 666 607 457 718 656 272 5163 3562 1743 2255 872	2.61 2.63 2.69 2.59 2.59 2.62 2.64 2.63 2.63 2.63 2.60 2.54 2.67 2.76 2.70 2.73 2.67 2.62 2.73 2.67 2.63 2.69 2.70 2.71 2.63 2.63 2.69 2.70 2.73 2.67 2.69 2.70 2.63 2.64 2.65 2.70 2.70 2.65 2.60 2.70 2.60 2.70 2.60 2.70 2.60 2.70 2.60 2.70 2.60 2.70 2.60 2.70 2.60 2.70 2.60 2.70 2.60 2.70 2.60 2.70 2.60 2.70 2.60 2.70 2.60 2.70 2.60 2.70 2.60 2.70 2.70 2.60 2.70 2.70 2.70 2.70 2.70 2.70 2.70 2.7	-0.04 -0.04 -0.06 -0.05 -0.06 -0.06 -0.04 -0.04 -0.04 -0.04 -0.04 -0.04 -0.04 -0.03	0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01	rostralmiddlefrontal (99.33%, 35.75%) superiorparietal (48.25%, 10.78%) insula (55.31%, 33.79%) middletemporal (51.74%, 15.01%) pericalcarine (90.6%, 61.88%) postcentral (100%, 14.15%) parahippocampal (65.97%, 36.17%) superiorfrontal (75.7%, 6.14%) rostralmiddlefrontal (92.4%, 9.27%) postcentral (55.31%, 6.66%) inferiorparietal (100%, 7.94%) precentral (100%, 7.94%) precentral (100%, 7.94%) jateralorbitofrontal (71.06%, 11.75%) parsorbitalis (100%, 29.39%) superiortemporal (31.98%, 6.03%) supramarginal (1100%, 6.17%) fusiform (100%, 7.42%) superiortemporal (81.98%, 6.03%) supramarginal (11.06%, 6.17%) inferiorparietal (48.67%, 57.83%) lateralocipital (45.64%, 18.80%) fusiform (95.51%, 22.38%) precentral (49.59%, 3.05%) superiorfrontal (37.4%, 1.91%) caudalmiddlefrontal (100%, 13.08%) supramaginal (91.78%, 6.09%) lateralocipital (45.64%, 18.90%) lateralocipital (56.46%, 2.67%) precuneus (36.41%, 23.57%) lateralocipital (56.48%, 16.98%) superiorfrontal (77.82%, 46.49%) middletemporal (31.50%, 10.86%) superiortemporal (48.57%, 16.02%) superiortemporal (48.50%, 16.02%)
Right hemisphere	Age at MRI Height	1 2 3 4 4 5 6 6 7 7 8 8 9 9 10 11 12 13 14 15 16 17 18 19 20 21 1 2 2 3 3 4 4 5 6 6 7 7 8 1 1 2 2 3 3 4 4 5 6 6 7 7 8 1 1 2 2 3 3 4 5 6 6 7 7 8 1 1 2 2 3 3 4 5 6 6 7 7 8 1 1 2 2 3 3 4 5 5 6 6 7 7 8 1 1 2 2 3 3 4 5 5 6 6 7 7 8 1 1 2 2 3 3 4 5 5 6 6 7 7 8 1 1 2 2 3 3 4 5 5 6 6 7 7 8 1 1 2 2 3 3 4 5 5 6 6 7 7 8 1 1 2 2 3 3 4 5 5 6 6 7 7 8 1 1 2 2 3 3 4 5 5 6 6 7 7 8 1 1 2 2 3 3 4 5 5 6 6 7 7 8 1 1 2 2 3 3 4 5 5 6 6 7 7 8 1 1 2 2 3 3 4 5 5 6 6 7 7 8 1 1 2 2 3 3 4 5 5 6 6 7 7 8 1 1 2 2 3 3 4 5 5 6 6 7 7 8 1 1 1 2 2 3 3 4 5 5 6 6 7 7 8 1 1 1 2 2 3 3 4 5 5 6 6 7 7 8 1 1 1 2 2 3 3 4 5 5 6 6 7 7 8 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	2907 2305 3176 1466 1269 1279 955 1003 823 1072 802 835 599 563 421 470 519 512 387 254 37347 12582 2458 1259 650 611 459 710 612 5229 3611 1787 2278 882 416 695	2.61 2.63 2.69 2.59 2.62 2.55 2.59 2.63 2.63 2.63 2.63 2.60 2.54 2.77 2.70 2.65 2.65 2.69 2.70 2.70 2.65 2.69 2.70 2.61 2.62 2.63 2.64 2.64 2.64 2.64 2.64 2.64 2.75 2.70 2.70 2.70 2.70 2.70 2.65 2.69 2.70 2.70 2.70 2.65 2.69 2.70 2.70 2.70 2.70 2.70 2.70 2.70 2.70	-0.04 -0.05 -0.04 -0.03 -0.03 -0.03 -0.03 -0.03 -0.03 -0.03 -0.03 -0.03 -0.03 -0.03 -0.03 -0.03 -0.03 -0.03 -0.03 -0.04 -0.04 -0.04 -0.04 -0.05	0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01	rostalmiddlefrontal (99.07%, 36.62%) superiorparietal (47.85%, 10.79%) insula (54.72%, 34.15%) middletemporal (51.98%, 15.07%) pericalcarine (89.76%, 62.48%) postcentral (100%, 14%) parahippocampal (64.61%, 35.42%) superiorfrontal (76.17%, 6.43%) rostralmiddlefrontal (94.41%, 9.88%) postcentral (55.88%, 6.56%) inferiorparietal (100%, 8.29%) precentral (100%, 7.8%) lateralorbitofrontal (100%, 13.76%) postcentral (72.65%, 4.48%) fusiform (100%, 9.03%) medialorbitofrontal (71.49%, 12.00%) superiortemporal (81.31%, 6.14%) supramarginal (100%, 6.28%) superiortemporal (82.27%, 203%) parsorbitalis (100%, 26.85%) precuneus (15.67%, 73.38%) inferiorparietal (44.76%, 58.21%) precuneus (15.67%, 73.38%) interiorparietal (44.76%, 58.21%) precuneus (15.67%, 73.38%) interiorparietal (44.76%, 13.41%) superiorfrontal (36.66%, 1.89%) caudalmiddlefrontal (100%, 13.14%) superiortrontal (36.66%, 1.89%) caudalmiddlefrontal (100%, 13.14%) superiortemporal (36.66%, 1.89%) caudalmiddlefrontal (100%, 13.14%) superiortemporal (16.67%, 24.08%) lateraloccipital (77.76%, 47.09%) inferiorparietal (31.34%, 5.79%) superiortemporal (48.99%, 16.25%) superiortemporal (48.99%, 16.25%) superiortemporal (62.73%, 4.77%) postcentral (62.73%, 4.77%)		Age at MRI Height	2 3 4 5 6 6 7 8 9 100 111 12 13 14 15 16 6 7 7 8 19 20 11 1 2 2 3 4 4 5 6 6 7 8 1 2 2 1 1 2 3 3 4 4 5 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	2830 2284 3110 1467 1245 1293 955 963 789 1101 768 820 607 463 278 505 503 346 342 37324 12528 2456 1092 666 607 457 718 656 272 5163 3662 1743 2255 872 414	2.61 2.63 2.69 2.59 2.59 2.62 2.63 2.63 2.63 2.60 2.54 2.67 2.70 2.73 2.67 2.65 2.69 2.70 2.70 2.71 2.63 2.63 2.69 2.70 2.70 2.70 2.70 2.70 2.63 2.63 2.69 2.60 2.70 2.70 2.70 2.70 2.70 2.70 2.70 2.61 2.63 2.63 2.69 2.60 2.70 2.70 2.70 2.70 2.70 2.70 2.70 2.7	-0.04 -0.04 -0.05 -0.06 -0.05 -0.06 -0.04 -0.04 -0.04 -0.04 -0.04 -0.04 -0.04 -0.03	0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01	rostralmiddlefrontal (99.33%, 35.75%) superiorparietal (48.25%, 10.78%) insula (55.31%, 33.79%) middletemporal (51.74%, 15.01%) pericalcarine (90.6%, 61.88%) postcentral (100%, 14.15%) parabippocampal (65.97%, 36.17%) superiorfrontal (75.7%, 6.14%) rostralmiddlefrontal (92.4%, 9.27%) postcentral (55.31%, 6.66%) inferiorparietal (100%, 7.94%) precentral (55.31%, 6.66%) inferiorparietal (100%, 7.94%) precentral (70.84%, 4.71%) medialorbitofrontal (70.6%, 11.75%) parsorbitalis (100%, 29.39%) superiortemporal (81.98%, 6.03%) supramarginal (100%, 6.17%) fusiform (100%, 74.2%) superiorfrontal (62.87%, 1.81%) precuneus (15.63%, 73.14%) inferiorparietal (44.67%, 57.83%) lateraloccipital (45.64%, 18.80%) fusiform (95.51%, 22.38%) precentral (48.95%, 3.05%) superiorfrontal (37.4%, 1.91%) caudalmiddlefrontal (100%, 13.08%) supramarginal (91.78%, 8.09%) lateraloccipital (58.46%, 2.67%) precuneus (36.41%, 23.57%) lateraloccipital (71.87%, 8.09%) inderioncipital (71.87%, 6.49%) precuneus (36.41%, 23.57%) lateraloccipital (71.87%, 6.49%) precuneus (36.41%, 23.57%) lateraloccipital (46.78%, 64.9%) precioremporal (45.11%, 3.26%) superiortemporal (65.28%, 565%) superiortemporal (65.21%, 565%) superiortemporal (65.21%, 1.81%, 3.26%) superiortemporal (65.21%, 1.81%, 3.26%)
Right hemisphere	Age at MRI Height	1 2 3 4 4 5 5 6 6 7 8 9 9 10 11 1 12 2 1 1 1 2 2 1 1 1 2 2 3 3 4 4 5 5 6 6 7 8 1 1 1 2 2 3 3 4 5 5 6 6 6 7 8 1 1 1 2 2 3 3 4 5 5 6 6 6 7 8 1 1 1 2 2 3 3 4 5 5 6 6 6 7 8 1 1 1 2 2 3 3 4 5 5 6 6 6 7 8 1 1 1 2 2 3 3 4 5 5 6 6 6 7 8 1 1 1 1 2 2 3 3 4 5 5 6 6 6 7 8 1 1 1 1 2 2 3 3 4 5 5 6 6 6 7 8 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	2907 2305 3176 1466 1269 1279 955 1003 823 1072 802 835 599 563 421 470 519 512 254 37347 12582 2458 1259 650 611 459 710 612 5229 3611 1787 2278 882 2458	2.61 2.63 2.69 2.59 2.62 2.62 2.55 2.59 2.63 2.63 2.63 2.63 2.64 2.77 2.77 2.77 2.76 2.65 2.62 2.64 2.64 2.64 2.64 2.63 2.63 2.64 2.64 2.64 2.65 2.69 2.71 2.62 2.63 2.64 2.64 2.65 2.66 2.66 2.67 2.67 2.67 2.67 2.67 2.68 2.69 2.69 2.69 2.69 2.69 2.69 2.69 2.69	-0.04 -0.04 -0.06 -0.06 -0.06 -0.06 -0.04 -0.05 -0.04 -0.03 -0.04 -0.04 -0.04 -0.04 -0.04 -0.04 -0.05	0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01	rostalmiddlerfontal (99.07%, 36.62%) superiorparietal (47.85%, 10.79%) insula (54.72%, 34.15%) middletemporal (51.98%, 15.07%) pericalcarine (89.76%, 62.48%) postcentral (100%, 14%) parahippocampal (64.61%, 35.42%) superiorfrontal (76.17%, 6.43%) rostalmiddlerfontal (94.41%, 9.88%) postcentral (100%, 8.29%) precentral (100%, 7.8%) iateralorbitofrontal (70.78%, 6.43%) rostcentral (70.0%, 7.8%) iateralorbitofrontal (70.0%, 13.76%) postcentral (70.0%, 7.8%) iateralorbitofrontal (71.49%, 12.00%) superiortemporal (81.31%, 6.14%) superiortemporal (81.31%, 6.14%) superiortemporal (81.31%, 6.14%) superiortemporal (62.27%, 2.03%) parsorbitalis (100%, 26.85%) precuneus (15.67%, 73.8%) inferiorparietal (44.76%, 58.21%) lateralocipital (45.65%, 18.82%) fusiform (94.44%, 25.51%) precentral (49.92%, 2.97%) superiorfrontal (36.66%, 1.89%) caudalmiddlefrontal (100%, 13.14%) supramarginal (91.55%, 7.99%) superiortemporal (48.99%, 47.09%) inferiorparietal (71.34%, 5.79%) superiortemporal (58.57%, 5.75%) superiortemporal (48.99%, 16.25%) superiortemporal (58.5%, 5.65%) superiortemporal (58.56%, 58.5%, 3.66%) superiortemporal (58.56%, 58.5%, 3.66%) superiortemporal (58.56%, 58.5%), 3.66%)		Age at MRI Height	2 3 4 5 6 6 7 7 8 9 9 100 111 12 13 3 4 4 5 5 6 6 7 7 8 11 2 2 3 3 4 4 5 5 6 6 7 8 8 1 2 2 3 3 4 4 5 5	2830 2284 3110 1467 1245 1293 955 963 789 1101 768 820 607 463 3278 505 503 346 342 37324 12528 2456 1092 666 607 457 718 656 272 5163 3562 1743 2255 872	2.61 2.63 2.69 2.59 2.59 2.62 2.64 2.63 2.63 2.63 2.60 2.54 2.67 2.76 2.70 2.73 2.67 2.62 2.73 2.67 2.63 2.69 2.70 2.71 2.63 2.63 2.69 2.70 2.73 2.67 2.69 2.70 2.63 2.64 2.65 2.70 2.70 2.65 2.60 2.71 2.63 2.64 2.65 2.60 2.71 2.63 2.64 2.65 2.66 2.70 2.70 2.66 2.70 2.66 2.70 2.70 2.70 2.66 2.70 2.66 2.70 2.70 2.66 2.70 2.66 2.70 2.70 2.66 2.70 2.70 2.70 2.70 2.70 2.70 2.70 2.70	-0.04 -0.04 -0.06 -0.05 -0.06 -0.06 -0.04 -0.04 -0.04 -0.04 -0.04 -0.04 -0.04 -0.03	0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01	rostralmiddlefrontal (99.33%, 35.75%) superiorparietal (48.25%, 10.78%) insula (55.31%, 33.79%) middletemporal (51.74%, 15.01%) pericalcarine (90.6%, 61.88%) postcentral (100%, 14.15%) parahippocampal (65.97%, 36.17%) superiorfrontal (75.7%, 6.14%) rostralmiddlefrontal (92.4%, 9.27%) postcentral (55.31%, 6.66%) inferiorparietal (100%, 7.94%) precentral (100%, 7.94%) precentral (100%, 7.94%) jateralorbitofrontal (71.06%, 11.75%) parsorbitalis (100%, 29.39%) superiortemporal (31.98%, 6.03%) supramarginal (1100%, 6.17%) fusiform (100%, 7.42%) superiortemporal (81.98%, 6.03%) supramarginal (11.06%, 6.17%) inferiorparietal (48.67%, 57.83%) lateralocipital (45.64%, 18.80%) fusiform (95.51%, 22.38%) precentral (49.59%, 3.05%) superiorfrontal (37.4%, 1.91%) caudalmiddlefrontal (100%, 13.08%) supramaginal (91.78%, 6.09%) lateralocipital (45.64%, 18.90%) lateralocipital (56.46%, 2.67%) precuneus (36.41%, 23.57%) lateralocipital (56.48%, 16.98%) superiorfrontal (77.82%, 46.49%) middletemporal (31.50%, 10.86%) superiortemporal (48.57%, 16.02%) superiortemporal (48.50%, 16.02%)
Right hemisphere	Age at MRI Height	1 2 3 4 4 5 6 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 1 2 2 3 4 4 5 6 6 7 8 8 1 1 2 2 3 4 4 5 6 6 7 8 8	2907 2305 3176 1466 1269 1279 955 1003 823 1072 802 835 599 563 421 470 519 512 387 2524 458 1259 650 611 459 6710 612 5229 3611 1787 2278 882 416 695 814	2.61 2.63 2.69 2.59 2.59 2.62 2.62 2.65 2.63 2.63 2.63 2.63 2.64 2.67 2.77 2.77 2.70 2.65 2.62 2.65 2.64 2.69 2.71 2.65 2.69 2.71 2.65 2.69 2.69 2.71 2.65 2.69 2.69 2.71 2.65 2.69 2.69 2.71 2.69 2.69 2.71 2.69 2.69 2.71 2.69 2.69 2.71 2.69 2.69 2.71 2.69 2.69 2.71 2.69 2.69 2.71 2.69 2.69 2.71 2.69 2.71 2.69 2.71 2.69 2.71 2.69 2.71 2.69 2.71 2.69 2.71 2.69 2.71 2.69 2.71 2.69 2.71 2.69 2.71 2.70 2.71 2.69 2.71 2.69 2.71 2.69 2.71 2.69 2.71 2.69 2.71 2.69 2.71 2.69 2.71 2.69 2.69 2.74 2.70 2.71 2.69 2.69 2.71 2.69 2.69 2.71 2.69 2.69 2.74 2.70 2.71 2.69 2.69 2.71 2.69 2.69 2.74 2.69 2.74 2.70 2.70 2.70 2.70 2.70 2.70 2.70 2.70	-0.04 -0.04 -0.06 -0.06 -0.06 -0.06 -0.04 -0.04 -0.05 -0.04 -0.04 -0.05 -0.04 -0.04 -0.05 -0.04 -0.03 -0.04 -0.04 -0.05 -0.05 -0.04 -0.05	0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01	rostalmiddlerfontal (99.07%, 36.62%) superiorparietal (47.85%, 10.79%) insula (54.72%, 34.15%) middletemporal (61.98%, 15.07%) perioalcarine (89.76%, 62.48%) postcentral (100%, 14%) parahippocampal (64.61%, 35.42%) superiorfrontal (76.17%, 6.43%) rostalmiddlerfontal (94.41%, 9.88%) postcentral (55.88%, 6.56%) inferiorparietal (100%, 8.29%) precentral (100%, 8.29%) precentral (100%, 7.8%) lateralorbitofrontal (71.49%, 12.00%) superiorfrontal (72.65%, 4.48%) fusiform (100%, 9.03%) medialorbitofrontal (71.49%, 12.00%) superiortemporal (81.31%, 6.14%) superiortemporal (81.31%, 6.14%) superiortemporal (62.27%, 2.03%) parsorbitalis (100%, 26.85%) precentral (15.67%, 7.33%) inferiorparietal (44.76%, 58.21%) lateraloccipital (45.65%, 18.82%) fusiform (94.44%, 25.51%) precentral (48.92%, 2.97%) superiorfrontal (36.66%, 1.89%) caudalmiddlefernotal (100%, 13.14%) supramarginal (91.55%, 7.98%) lateraloccipital (47.76%, 47.09%) inferiorparietal (63.67%, 4.08%) lateraloccipital (77.76%, 47.09%) inferiorparietal (63.67%, 4.08%) lateraloccipital (43.49%, 5.79%) superiorparietal (63.85%, 3.26%) psostcentral (62.33%, 4.77%) insula (57.00%, 9.12%)		Age at MRI Height	2 3 4 5 6 7 8 8 9 10 11 12 12 11 12 12 13 3 4 4 5 6 7 8 8 11 2 2 3 3 4 4 5 6 7 7	2830 2284 3110 1467 1245 1293 955 963 789 1101 768 820 569 607 463 278 505 3346 342 37324 12528 2456 1092 666 607 718 656 272 5163 33662 1743 2255 872 414 682	2.61 2.63 2.59 2.59 2.59 2.62 2.62 2.63 2.63 2.63 2.60 2.54 2.62 2.76 2.73 2.67 2.65 2.64 2.69 2.71 2.63 2.53 2.63 2.63 2.63 2.65 2.64 2.65 2.64 2.65 2.65 2.64 2.65 2.76 2.71 2.65 2.65 2.65 2.75 2.75 2.75 2.75 2.75 2.75 2.75 2.7	-0.04 -0.04 -0.06 -0.05 -0.06 -0.06 -0.04 -0.04 -0.04 -0.04 -0.04 -0.04 -0.04 -0.03	0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01	rostralmiddlefrontal (99.33%, 35.75%) superiorparietal (48.25%, 10.78%) insula (55.31%, 33.79%) middletemporal (51.74%, 15.01%) pericalcarine (90.6%, 61.88%) postcentral (100%, 14.15%) parahippocampal (65.97%, 36.17%) superiorfrontal (75.7%, 6.14%) rostralmiddlefrontal (92.4%, 9.27%) postcentral (100%, 7.94%) precentral (100%, 7.94%) precentral (100%, 7.94%) precentral (100%, 7.60%) lateralorbitofrontal (71.08%, 11.75%) parsorbitalis (100%, 29.39%) superiortmental (100%, 13.07%) postcentral (70.84%, 4.71%) parsorbitalis (100%, 29.39%) superiortmental (81.98%, 6.03%) superiortmental (81.98%, 6.03%) superiortmental (62.87%, 11.81%) precuental (15.63%, 73.14%) inferiorparietal (44.67%, 57.83%) lateraloccipital (45.64%, 18.80%) fusiform (95.51%, 22.38%) precentral (48.95%, 3.05%) superiorfrontal (71.78%, 8.09%) superiorfrontal (71.78%, 8.09%) superiorfrontal (71.78%, 8.09%) lateraloccipital (84.66%, 2.75%) precuneus (36.41%, 23.57%) lateraloccipital (84.68%, 2.75%) precuneus (36.41%, 23.57%) lateraloccipital (78.8%, 46.49%) middletemporal (31.50%, 10.86%) superiortemporal (48.78%, 16.02%) superiorparietal (62.28%, 5.65%) superiorparietal (62.28%, 5.65%) superiorparietal (62.28%, 5.65%) superiorental (62.46%, 4.66%)
Right hemisphere	Age at MRI Height Ethnicity	1 2 3 4 4 5 6 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 1 2 2 3 4 4 5 6 6 7 8 8 1 1 1 2 2 3 4 4 5 5 6 6 7 8 8 9 10 10 1	2907 2305 3176 1466 1269 1279 955 1003 823 1072 802 835 599 563 421 470 519 512 387 254 470 519 512 288 1259 650 611 459 470 612 5229 3611 1787 2278 882 416 695 814 206 359 414	2.61 2.63 2.69 2.59 2.59 2.62 2.62 2.65 2.63 2.63 2.63 2.63 2.64 2.67 2.77 2.77 2.70 2.65 2.62 2.65 2.64 2.69 2.74 2.65 2.65 2.65 2.65 2.64 2.69 2.70 2.71 2.65 2.62 2.65 2.64 2.69 2.70 2.71 2.65 2.62 2.65 2.64 2.69 2.70 2.71 2.65 2.65 2.64 2.65 2.70 2.71 2.65 2.65 2.65 2.70 2.71 2.65 2.65 2.65 2.65 2.74 2.70 2.71 2.65 2.65 2.65 2.65 2.65 2.74 2.70 2.71 2.65 2.65 2.65 2.65 2.65 2.65 2.65 2.65	-0.04 -0.04 -0.06 -0.06 -0.06 -0.06 -0.04 -0.04 -0.05 -0.04 -0.05 -0.04 -0.04 -0.03 -0.04 -0.04 -0.05 -0.04 -0.03 -0.04 -0.03 -0.04 -0.05 -0.06 -0.06 -0.06 -0.06 -0.07 -0.07 -0.08 -0.08 -0.09	0.01 0.01	rostalmiddlerfontal (99.07%, 36.62%) superiorparietal (47.85%, 10.79%) insula (54.72%, 34.15%) middletemporal (61.98%, 15.07%) perioalcarine (89.76%, 62.48%) postcentral (100%, 14%) parahippocampal (64.61%, 35.42%) superiorfrontal (76.17%, 6.43%) rostalmiddlerfontal (94.41%, 9.88%) postcentral (55.88%, 6.56%) inferiorparietal (100%, 8.29%) precentral (100%, 8.29%) precentral (100%, 7.8%) lateralorbitofrontal (71.49%, 12.00%) superiorfrontal (72.65%, 4.48%) fusior (100%, 9.03%) medialorbitofrontal (71.49%, 12.00%) superiorfrontal (72.65%, 4.48%) superiorfrontal (81.31%, 6.14%) superiorfrontal (62.27%, 2.03%) parsorbitalis (100%, 26.85%) precentral (15.67%, 7.33%) inferiorparietal (44.76%, 58.21%) lateraloccipital (45.65%, 18.82%) fusior (44.44%, 25.51%) precentral (48.92%, 2.97%) superiorfrontal (36.66%, 1.89%) caudalmiddlefrontal (100%, 13.14%) supramarginal (91.55%, 7.98%) lateraloccipital (43.49%, 5.79%) superiorparietal (44.76%, 5.75%) superiorparietal (63.67%, 4.08%) lateraloccipital (13.49%, 5.79%) superiorparietal (13.49%, 5.79%) superiorparietal (63.85%, 3.26%) postcentral (62.33%, 4.77%) insula (57.00%, 9.12%) lingual (100%, 5.29%) inferioremparal (83.22%, 4.98%) lateraloccipital (100%, 6.94%)		Age at MRI Height	2 3 4 5 6 7 8 9 10 11 12 12 13 14 15 6 6 7 8 12 2 3 3 4 5 6 6 7 8 12 2 3 3 4 5 6 6 7 8 12 2 3 14 5 5 6 6 7 8 9 10 10 10 10 10 10 10 10 10 10 10 10 10	2830 2284 3110 1467 1245 1293 955 963 789 1101 768 820 569 607 463 278 505 503 346 342 37324 12528 2456 1092 666 607 457 718 656 272 5163 3562 1743 3255 872 414 682 800 203 357	2.61 2.63 2.59 2.59 2.59 2.62 2.62 2.63 2.63 2.63 2.60 2.54 2.62 2.76 2.73 2.67 2.65 2.69 2.70 2.71 2.63 2.53 2.63 2.63 2.64 2.65 2.64 2.65 2.64 2.65 2.67 2.71 2.63 2.63 2.63 2.63 2.64 2.67 2.67 2.67 2.67 2.67 2.67 2.67 2.67	-0.04 -0.04 -0.06 -0.06 -0.06 -0.06 -0.06 -0.04 -0.04 -0.04 -0.05 -0.04 -0.04 -0.05 -0.04 -0.05 -0.04 -0.05 -0.04 -0.05 -0.04 -0.05 -0.05 -0.03 -0.04 -0.05 -0.04 -0.05	0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01	rostralmiddlefrontal (99.33%, 35.75%) superiorparietal (48.25%, 10.78%) insula (55.31%, 33.79%) middletemporal (51.74%, 15.01%) pericalcarine (90.6%, 61.88%) postcentral (100%, 14.15%) parahippocampal (65.97%, 36.17%) superiorfrontal (75.7%, 6.14%) rostralmiddlefrontal (92.4%, 9.27%) postcentral (100%, 7.94%) precentral (100%, 7.94%) precentral (100%, 7.94%) precentral (100%, 7.60%) lateralorbitofrontal (71.08%, 11.75%) parsorbitalis (100%, 29.39%) superiorfrontal (100%, 13.07%) postcentral (70.84%, 4.71%) parsorbitalis (100%, 29.39%) superiorfrontal (61.98%, 6.03%) superiorfrontal (62.87%, 1.81%) precuneus (15.63%, 73.14%) inferiorparietal (44.67%, 57.83%) lateralocipital (45.64%, 18.80%) fusiorm (95.51%, 22.38%) precentral (48.95%, 3.05%) superiorfrontal (62.87%, 19.1%) caudalmiddlefrontal (100%, 15.07%) lateralocipital (45.64%, 18.80%) superiorfrontal (31.50%, 10.98%) superiorfrontal (31.50%, 10.86%) superiortemporal (31.50%, 10.86%) superiortemporal (47.82%, 46.49%) middletemporal (31.50%, 10.86%) superiortemporal (47.78%, 6.02%) postcentral (62.46%, 4.66%) insula (57.00%, 8.96%) lingual (100%, 5.21%) inferiortemporal (58.26%, 4.95%) inferiortemporal (58.26%, 4.95%) inferiortemporal (58.26%, 4.95%)
Right hemisphere	Age at MRI Height	1 2 3 4 4 5 6 6 7 8 9 10 11 2 13 14 15 16 17 18 19 20 21 1 2 2 3 3 4 4 5 6 6 7 8 1 1 2 2 3 3 4 4 5 6 6 7 8 9 10	2907 2305 3176 1466 1269 1279 955 1003 823 1072 802 835 563 421 470 519 512 387 254 37347 12582 2458 1259 650 611 459 710 612 5229 3611 1787 2278 882 416 695 814 206 695 814 206	2.61 2.63 2.69 2.59 2.62 2.55 2.59 2.63 2.63 2.63 2.63 2.60 2.54 2.77 2.70 2.65 2.62 2.65 2.69 2.70 2.71 2.62 2.53 2.63 2.64 2.64 2.64 2.64 2.64 2.70 2.70 2.70 2.70 2.70 2.70 2.70 2.70	-0.04 -0.05 -0.04 -0.03 -0.03 -0.03 -0.03 -0.03 -0.03 -0.03 -0.03 -0.03 -0.03 -0.04 -0.04 -0.04 -0.04 -0.04 -0.05 -0.05 -0.05	0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01	rostalmiddlefrontal (99.07%, 36.62%) superiorparietal (47.85%, 10.79%) insula (54.72%, 34.15%) middletemporal (51.98%, 15.07%) pericalcarine (89.76%, 62.48%) postcentral (100%, 14%) parahippocampal (64.61%, 35.42%) superiorfrontal (76.17%, 6.43%) rostralmiddlefrontal (94.41%, 9.88%) postcentral (55.88%, 6.56%) inferiorparietal (100%, 7.8%) lateralorbitofrontal (100%, 13.76%) postcentral (72.65%, 4.48%) postcentral (72.65%, 4.48%) superiortemporal (81.31%, 6.14%) percuneus (15.67%, 73.38%) inferiorparietal (44.76%, 58.21%) lateraloccipital (45.65%, 18.82%) fusiform (94.44%, 25.51%) precentral (49.92%, 2.97%) superiorfrontal (36.66%, 1.89%) caudalmiddlefrontal (100%, 13.14%) supramarginal (91.55%, 7.98%) lateraloccipital (77.76%, 47.09%) inferiorparietal (31.34%, 5.79%) superiortemporal (34.99%, 15.25%) superiortemporal (34.99%, 15.25%) superiortemporal (38.85%, 3.26%) postcentral (62.73%, 4.77%) insula (57.00%, 9.12%) lingual (100%, 5.29%) inferiortemporal (58.22%, 4.98%) inferiortemporal (58.22%, 4.98%)		Age at MRI Height	2 3 4 5 6 6 7 8 9 100 111 12 13 14 15 16 6 7 7 8 8 1 1 2 2 3 3 4 5 6 6 7 7 8 6 6 7 7 8 9 9	2830 2284 3110 1467 1245 1293 955 963 789 1101 768 820 607 463 278 505 503 346 342 37324 12528 2456 1092 666 607 457 718 656 272 5163 3562 1743 2255 872 414 682 800 203	2.61 2.63 2.69 2.59 2.59 2.62 2.54 2.63 2.63 2.63 2.60 2.54 2.67 2.70 2.76 2.73 2.67 2.65 2.69 2.70 2.71 2.63 2.53 2.53 2.53 2.53 2.53 2.54 2.63 2.63 2.69 2.70 2.71 2.63 2.63 2.63 2.69 2.70 2.71 2.63 2.63 2.69 2.70 2.71 2.63 2.63 2.63 2.69 2.70 2.70 2.71 2.63 2.63 2.69 2.70 2.70 2.71 2.63 2.63 2.69 2.70 2.70 2.71 2.63 2.63 2.69 2.70 2.70 2.71 2.63 2.63 2.63 2.63 2.63 2.63 2.63 2.64 2.70 2.70 2.70 2.70 2.70 2.70 2.70 2.70	-0.04 -0.04 -0.05 -0.06 -0.05 -0.06 -0.04 -0.04 -0.04 -0.04 -0.04 -0.04 -0.03 -0.04 -0.04	0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01	rostralmiddlefrontal (99.33%, 35.75%) superiorparietal (48.25%, 10.78%) insula (55.31%, 33.79%) middletemporal (51.74%, 15.01%) pericalcarine (90.6%, 61.88%) postcentral (100%, 14.15%) parahippocampal (65.97%, 36.17%) superiorfrontal (75.7%, 6.14%) rostralmiddlefrontal (92.4%, 9.27%) postcentral (55.31%, 6.66%) inferiorparietal (100%, 7.94%) precentral (55.31%, 6.66%) inferiorparietal (100%, 7.94%) precentral (70.84%, 4.71%) medialorbitofrontal (71.06%, 11.75%) parsorbitalis (100%, 29.39%) superiortemporal (81.98%, 6.03%) supramarginal (100%, 6.17%) fusiform (100%, 74.2%) superiorfrontal (62.87%, 1.81%) precuneus (15.63%, 73.14%) inferiorparietal (44.67%, 57.83%) lateralocipital (94.84%, 1.91%) caudalmiddlefrontal (100%, 13.08%) superiorfrontal (37.4%, 1.91%) caudalmiddlefrontal (100%, 13.08%) superiortemporal (91.78%, 8.09%) lateralocipital (78.8%, 8.9%) precuneus (36.41%, 23.57%) lateralocipital (77.82%, 46.49%) middletemporal (31.50%, 10.86%) superiortemporal (48.78%, 16.02%) superiortemporal (62.86%, 4.66%) insula (57.00%, 8.96%) superiortemporal (62.46%, 4.66%) insula (57.00%, 8.96%) lingual (100%, 5.21%)

Table S12 - Birth-related covariates

		i-i eia			iales														
				MEDIA TH		. ,								DISTENS					
	Predictor	Beta	SE	Statistic		P _{unadjusted}	P _{FDR}	LCI	UCI		Predictor	Beta	SE	Statistic	Df	P _{unadjusted}	P _{FDR}	LCI	UCI
$\overline{}$				brain volu)								brain volu					
	(Intercept)	-1.98	0.56	-3.55	206.2	0.000	0.000	-3.08	-0.88		(Intercept)	-2.04	0.55	-3.70	227.0	0.000	0.000	-3.13	-0.96
	IMT (z-score)	0.02	0.02	1.10	72.5	0.275	0.550	-0.02	0.05		Distensibility (z-score)	0.01	0.02	0.50	102.7	0.617	0.835	-0.02	0.04
	Female sex	-0.73	0.03	-23.87	159.2	0.000	0.000	-0.79	-0.67		Female sex	-0.73	0.03	-24.46	183.6	0.000	0.000	-0.79	-0.67
Fully adjusted model $(R^2 = .21)$	Age at MRI	0.02	0.05	0.50	282.4	0.618	0.618	-0.07	0.11	odel	Age at MRI	0.02	0.05	0.51	291.0	0.612	0.612	-0.07	0.11
g (F	Age delta	0.00	0.04	-0.04	215.8	0.969	0.977	-0.08	0.08	Fully adjusted model $(R^2 = .21)$	Age delta	0.00	0.04	-0.05	219.8	0.959	0.987	-0.08	0.08
usted r = .21)	Height	0.01	0.00	5.38	266.4	0.000	0.000	0.01	0.02	uste = 2	Height	0.01	0.00	5.41	202.3	0.000	0.000	0.01	0.02
adju R ²	Non-European ethnicity	-0.22	0.03	-7.08	502.8	0.000	0.000	-0.28	-0.16	adju R ²	Non-European ethnicity	-0.22	0.03	-7.08	568.0	0.000	0.000	-0.28	-0.16
ully	BMI (z-score)	0.03	0.02	2.12	209.0	0.035	0.140	0.00	0.06	Ę.	BMI (z-score)	0.03	0.02	2.22	217.4	0.028	0.112	0.00	0.06
	Parental education	0.02	0.01	3.24	123.0	0.002	0.004	0.01	0.04	-	Parental education	0.03	0.01	3.28	124.5	0.001	0.002	0.01	0.04
	Maternal age	0.00	0.00	1.24	214.1	0.218	0.291	0.00	0.01		Maternal age	0.00	0.00	1.22	217.7	0.223	0.297	0.00	0.01
	Birth weight	0.16	0.02	8.69	303.0	0.000	0.000	0.12	0.20		Birth weight	0.16	0.02	8.73	290.0	0.000	0.000	0.13	0.20
\Box	Gestational age (birth)	-0.04	0.02	-1.95 natter volu	233.8	0.052	0.208	-0.07	0.00		Gestational age (birth)	-0.04	0.02	-1.97 natter volu	240.3	0.050	0.200	-0.07	0.00
	(Intercept)	-1.06	0.56	-1.89	187.6	0.060	0.069	-2.17	0.05		(Intercept)	-1.13	0.56	-2.03	197.3	0.044	0.050	-2.23	-0.03
	IMT (z-score)	0.02	0.02	1.38	87.2	0.000	0.550	-0.01	0.05		Distensibility (z-score)	0.01	0.02	0.36	125.2	0.721	0.835	-0.03	0.03
	Female sex	-0.73	0.02	-24.13	152.6	0.000	0.000	-0.01	-0.67		Female sex	-0.74	0.02	-24.18	147.5	0.000	0.000	-0.80	-0.68
_	Age at MRI	-0.73	0.05	-0.67	130.9	0.502	0.574	-0.13	0.06	l_	Age at MRI	-0.74	0.05	-0.66	131.3	0.508	0.581	-0.13	0.06
pode	Age delta	0.00	0.05	0.04	91.5	0.969	0.977	-0.13	0.10	opoge	Age delta	0.00	0.05	0.03	91.2	0.977	0.987	-0.13	0.10
Fully adjusted model (R ² = .22)	Height	0.00	0.00	4.65	220.9	0.000	0.000	0.03	0.10	adjusted model (R ² = .22)	Height	0.00	0.00	4.73	177.4	0.000	0.000	0.01	0.10
juste	Non-European ethnicity	-0.24	0.03	-7.19	212.4	0.000	0.000	-0.31	-0.17	uste	Non-European ethnicity	-0.24	0.03	-7.15	219.4	0.000	0.000	-0.30	-0.17
y adju (R²	BMI (z-score)	0.02	0.03	1.23	162.4	0.000	0.292	-0.01	0.05	, adji (R²	BMI (z-score)	0.02	0.03	1.31	170.3	0.191	0.255	-0.01	0.05
Ē.	Parental education	0.02	0.02	3.87	129.5	0.000	0.000	0.01	0.03	Fully	Parental education	0.02	0.02	3.91	130.9	0.000	0.000	0.01	0.03
	Maternal age	0.01	0.00	1.64	218.9	0.102	0.291	0.00	0.04		Maternal age	0.03	0.00	1.62	219.2	0.106	0.297	0.00	0.01
	Birth weight	0.16	0.02	8.23	213.1	0.000	0.000	0.12	0.19		Birth weight	0.16	0.02	8.26	201.0	0.000	0.000	0.12	0.19
	Gestational age (birth)	-0.02	0.02	-1.06	132.0	0.293	0.586	-0.06	0.02		Gestational age (birth)	-0.02	0.02	-1.08	133.6	0.283	0.566	-0.06	0.02
				actional ar										actional ar					
	(Intercept)	-1.64	0.62	-2.63	216.5	0.009	0.024	-2.86	-0.41		(Intercept)	-1.65	0.61	-2.68	240.1	0.008	0.021	-2.86	-0.44
	IMT (z-score)	0.00	0.02	-0.24	136.1	0.809	0.809	-0.04	0.03		Distensibility (z-score)	0.02	0.02	0.89	141.2	0.375	0.750	-0.02	0.05
	Female sex	-0.02	0.03	-0.58	222.7	0.565	0.565	-0.08	0.05		Female sex	-0.02	0.03	-0.63	204.7	0.529	0.529	-0.09	0.04
<u>a</u>	Age at MRI	0.07	0.05	1.30	153.3	0.197	0.315	-0.04	0.18	<u>a</u>	Age at MRI	0.07	0.05	1.29	154.5	0.200	0.320	-0.04	0.18
DOE _	Age delta	0.00	0.05	0.03	146.1	0.977	0.977	-0.10	0.10	De _	Age delta	0.00	0.05	0.02	147.8	0.987	0.987	-0.10	0.10
= .01)	Height	0.00	0.00	1.14	296.9	0.257	0.343	0.00	0.01	.01 .03	Height	0.00	0.00	1.17	224.3	0.242	0.323	0.00	0.01
Fully adjusted model (R ² = .01)	Non-European ethnicity	-0.04	0.04	-1.19	247.5	0.234	0.312	-0.12	0.03	adjusted model (R ² = .01)	Non-European ethnicity	-0.05	0.04	-1.23	247.7	0.221	0.295	-0.12	0.03
e a	BMI (z-score)	0.00	0.02	-0.03	120.3	0.978	0.978	-0.04	0.04	Fully a	BMI (z-score)	0.00	0.02	0.09	129.0	0.931	0.931	-0.03	0.04
J.	Parental education	0.01	0.01	1.76	282.5	0.079	0.105	0.00	0.03	E.	Parental education	0.01	0.01	1.75	290.9	0.081	0.108	0.00	0.03
	Maternal age	0.01	0.00	1.37	230.8	0.171	0.291	0.00	0.01		Maternal age	0.01	0.00	1.37	231.7	0.172	0.297	0.00	0.01
	Birth weight	0.01	0.02	0.60	124.4	0.547	0.547	-0.03	0.06		Birth weight	0.01	0.02	0.60	120.6	0.548	0.548	-0.03	0.06
	Gestational age (birth)	-0.01	0.02	-0.55	147.7	0.582	0.776	-0.05	0.03		Gestational age (birth)	-0.01	0.02	-0.55	146.3	0.582	0.776	-0.05	0.03
				mean diffu										mean diffu					
	(Intercept)	1.54	0.63	2.46	197.1	0.015	0.026	0.31	2.77		(Intercept)	1.54	0.63	2.45	186.3	0.015	0.027	0.30	2.78
	IMT (z-score)	0.01	0.02	0.70	200.3	0.487	0.649	-0.02	0.04		Distensibility (z-score)	-0.02	0.02	-1.12	157.9	0.264	0.750	-0.05	0.02
	Female sex	-0.15	0.03	-4.81	271.9	0.000	0.000	-0.22	-0.09		Female sex	-0.15	0.03	-4.77	270.3	0.000	0.000	-0.22	-0.09
ge	Age at MRI	-0.08	0.05	-1.62	388.4	0.107	0.214	-0.18	0.02	model (Age at MRI	-0.08	0.05	-1.60	377.9	0.111	0.222	-0.17	0.02
ğ Ç	Age delta	-0.03	0.05	-0.57	206.0	0.569	0.977	-0.12	0.07	ed mo .01)	Age delta	-0.03	0.05	-0.55	202.7	0.581	0.987	-0.12	0.07
Fully adjusted model (R ² = .01)	Height	0.00	0.00	-0.43	171.1	0.665	0.760	-0.01	0.00	10 II	Height	0.00	0.00	-0.47	156.1	0.641	0.733	-0.01	0.00
adju (R²	Non-European ethnicity	0.00	0.04	-0.06	202.2	0.952	0.952	-0.08	0.07	adju (R ²	Non-European ethnicity	0.00	0.04	0.00	203.6	0.999	0.999	-0.07	0.07
JII.	BMI (z-score)	-0.02	0.02	-1.25	105.0	0.214	0.292	-0.06	0.01	ji.	BMI (z-score)	-0.03	0.02	-1.39	112.6	0.168	0.255	-0.06	0.01
ш.	Parental education	0.00	0.01	0.09	124.4	0.926	0.926	-0.02	0.02	1 "	Parental education	0.00	0.01	0.12	124.4	0.903	0.903	-0.02	0.02
	Maternal age	0.00	0.00	-0.72	174.5	0.472	0.472	-0.01	0.00	1	Maternal age	0.00	0.00	-0.72	173.7	0.471	0.471	-0.01	0.00
	Birth weight	0.04	0.02	2.00	532.3	0.046	0.061	0.00	0.08	1	Birth weight	0.04	0.02	2.01	494.3	0.045	0.060	0.00	0.08
	Gestational age (birth)	-0.01	0.02	-0.25	227.0	0.801	0.801	-0.05	0.04	1	Gestational age (birth)	-0.01	0.02	-0.26	228.6	0.799	0.799	-0.05	0.04

^{*} SE= standard error; Df = degrees of freedom; FDR = false discovery rate; LCI = lower limit of the 95% confidence interval; UCI = upper limit of the 95% confidence interval;

Table S12 - Birth-related covariates (cont'd)

		SYSTO	LIC BLO	OOD PRES	SURE (S	BP)						DIASTO	LIC BLO	OD PRES	SURE (D	BP)			
	Predictor	Beta	SE	Statistic	Df	P _{unadjusted}	P_{FDR}	LCI	UCI		Predictor	Beta	SE	Statistic	Df	P _{unadjusted}	P_{FDR}	LCI	UCI
			Total	brain volu	me (TBV)							Total	brain volu	me (TBV)			
	(Intercept)	-2.13	0.56	-3.80	206.1	0.000	0.000	-3.23	-1.03		(Intercept)	-2.05	0.55	-3.73	231.6	0.000	0.000	-3.13	-0.97
	SBP (z-score)	-0.03	0.02	-1.58	218.9	0.115	0.230	-0.06	0.01		DBP (z-score)	-0.04	0.01	-2.75	254.7	0.006	0.024	-0.07	-0.01
	Female sex	-0.73	0.03	-24.19	173.0	0.000	0.000	-0.78	-0.67		Female sex	-0.72	0.03	-24.16	174.2	0.000	0.000	-0.78	-0.67
Б	Age at MRI	0.02	0.05	0.52	283.0	0.605	0.605	-0.07	0.11	ge	Age at MRI	0.02	0.05	0.53	291.7	0.600	0.600	-0.07	0.11
£ _	Age delta	0.00	0.04	-0.09	218.1	0.932	0.991	-0.09	0.08	<u> </u>	Age delta	0.00	0.04	-0.09	218.8	0.932	0.994	-0.09	0.08
= .21)	Height	0.01	0.00	5.69	239.7	0.000	0.000	0.01	0.02	= .21)	Height	0.01	0.00	5.56	240.8	0.000	0.000	0.01	0.02
adjusted model (R ² = .21)	Non-European ethnicity	-0.22	0.03	-7.12	592.8	0.000	0.000	-0.28	-0.16	adjusted model (R² = .21)	Non-European ethnicity	-0.22	0.03	-7.06	602.4	0.000	0.000	-0.28	-0.16
Fully	BMI (z-score)	0.04	0.02	2.63	296.2	0.009	0.036	0.01	0.07	Fully	BMI (z-score)	0.04	0.02	2.35	209.0	0.020	0.080	0.01	0.06
ш	Parental education	0.02	0.01	3.22	126.2	0.002	0.004	0.01	0.04	ш	Parental education	0.02	0.01	3.15	120.0	0.002	0.004	0.01	0.04
	Maternal age	0.00	0.00	1.24	216.7	0.217	0.289	0.00	0.01		Maternal age	0.00	0.00	1.18	212.6	0.239	0.319	0.00	0.01
	Birth weight	0.16	0.02	8.48	264.4	0.000	0.000	0.12	0.20		Birth weight	0.16	0.02	8.62	288.8	0.000	0.000	0.12	0.20
	Gestational age (birth)	-0.04	0.02	-1.95	240.3	0.053	0.212	-0.07	0.00		Gestational age (birth)	-0.04	0.02	-1.96	243.1	0.051	0.204	-0.07	0.00
	4.1 0	4.04		natter volu	•	,	0.007		0.44		4. 0			natter volu		•	0.040	0.00	0.05
	(Intercept)	-1.24	0.56	-2.22	198.8	0.028	0.037	-2.34	-0.14		(Intercept)	-1.14	0.55	-2.07	207.7	0.040	0.046	-2.23	-0.05
	SBP (z-score)	-0.03 -0.73	0.02	-1.73 -23.94	118.7 141.2	0.086	0.229	-0.06 -0.80	0.00 -0.67		DBP (z-score) Female sex	-0.05 -0.73	0.02	-2.92 -23.72	118.4 134.5	0.004	0.024	-0.08 -0.79	-0.02 -0.67
1_ 1	Female sex Age at MRI	-0.73	0.03	-23.94 -0.65	141.2	0.000	0.000	-0.80	0.07	_	Female sex Age at MRI	-0.73	0.03	-23.72 -0.65	134.5	0.000	0.000	-0.79	-0.67
model (0.00	0.05	-0.05	91.9	0.991	0.991	-0.13	0.07	mode (Age delta	0.00	0.05	-0.05	93.4	0.994	0.994	-0.13	0.07
η (2)	Age delta Height	0.00	0.00	5.08	208.3	0.000	0.000	0.09	0.09	ed m 22)	Age delta Height	0.00	0.00	4.86	195.6	0.000	0.000	0.09	0.09
adjusted r (R² = .22)	Non-European ethnicity	-0.24	0.00	-7.19	223.3	0.000	0.000	-0.30	-0.17	12 11	Non-European ethnicity	-0.24	0.03	-7.12	223.7	0.000	0.000	-0.30	-0.17
/ adj	BMI (z-score)	0.03	0.03	1.76	149.8	0.000	0.162	0.00	0.06	/ adji (R²	BMI (z-score)	0.02	0.03	1.49	162.7	0.138	0.000	-0.01	0.05
Fully	Parental education	0.03	0.02	3.86	137.6	0.000	0.000	0.00	0.04	Fully	Parental education	0.02	0.02	3.81	136.5	0.000	0.000	0.01	0.03
	Maternal age	0.03	0.00	1.64	216.4	0.102	0.289	0.00	0.01		Maternal age	0.01	0.00	1.58	215.2	0.116	0.319	0.00	0.01
	Birth weight	0.01	0.00	8.07	204.0	0.000	0.000	0.12	0.19		Birth weight	0.16	0.00	8.16	204.5	0.000	0.000	0.00	0.19
	Gestational age (birth)	-0.02	0.02	-1.05	135.5	0.295	0.590	-0.06	0.02		Gestational age (birth)	-0.02	0.02	-1.06	134.1	0.290	0.580	-0.06	0.02
	- community and the community			actional an							- common aga (aman)			ctional an					
	(Intercept)	-1.61	0.62	-2.59	228.7	0.010	0.027	-2.83	-0.39		(Intercept)	-1.62	0.62	-2.64	232.6	0.009	0.024	-2.84	-0.41
	SBP (z-score)	0.00	0.02	0.20	131.4	0.841	0.841	-0.03	0.04		DBP (z-score)	0.00	0.02	0.05	113.9	0.958	0.958	-0.04	0.04
	Female sex	-0.02	0.03	-0.56	199.6	0.576	0.576	-0.08	0.05		Female sex	-0.02	0.03	-0.55	196.6	0.582	0.582	-0.08	0.05
<u> </u>	Age at MRI	0.07	0.05	1.29	156.1	0.197	0.315	-0.04	0.18	<u> </u>	Age at MRI	0.07	0.05	1.30	154.5	0.197	0.315	-0.04	0.18
adjusted model (R ² = .01)	Age delta	0.00	0.05	0.04	143.2	0.971	0.991	-0.10	0.10	adjusted model (R² = .01)	Age delta	0.00	0.05	0.03	145.9	0.976	0.994	-0.10	0.10
.01)	Height	0.00	0.00	1.05	290.9	0.294	0.392	0.00	0.01	ted n .01)	Height	0.00	0.00	1.11	275.7	0.270	0.360	0.00	0.01
adjus R² =	Non-European ethnicity	-0.04	0.04	-1.21	251.9	0.229	0.305	-0.12	0.03	adjust R² =	Non-European ethnicity	-0.05	0.04	-1.21	245.4	0.228	0.304	-0.12	0.03
	BMI (z-score)	0.00	0.02	-0.09	114.8	0.926	0.926	-0.04	0.04		BMI (z-score)	0.00	0.02	-0.04	112.9	0.969	0.969	-0.04	0.04
Fully	Parental education	0.01	0.01	1.77	298.9	0.078	0.104	0.00	0.03	Fully	Parental education	0.01	0.01	1.76	282.8	0.080	0.107	0.00	0.03
	Maternal age	0.01	0.00	1.38	231.9	0.171	0.289	0.00	0.01		Maternal age	0.01	0.00	1.38	241.1	0.168	0.319	0.00	0.01
	Birth weight	0.01	0.02	0.60	114.9	0.549	0.549	-0.03	0.06		Birth weight	0.01	0.02	0.60	124.8	0.552	0.552	-0.03	0.06
	Gestational age (birth)	-0.01	0.02	-0.55	144.6	0.583	0.777	-0.05	0.03		Gestational age (birth)	-0.01	0.02	-0.55	146.0	0.584	0.779	-0.05	0.03
				mean diffu		-								mean diffu					
	(Intercept)	1.49	0.63	2.38	203.3	0.018	0.036	0.26	2.73		(Intercept)	1.50	0.63	2.39	187.1	0.018	0.035	0.26	2.74
	SBP (z-score)	0.00	0.02	-0.23	127.8	0.822	0.841	-0.04	0.03		DBP (z-score)	-0.01	0.02	-0.70	158.5	0.486	0.648	-0.05	0.02
	Female sex	-0.16	0.03	-4.89	283.7	0.000	0.000	-0.22	-0.09		Female sex	-0.15	0.03	-4.81	260.9	0.000	0.000	-0.22	-0.09
lego	Age at MRI	-0.08	0.05	-1.61	380.8	0.109	0.218	-0.18	0.02	model (Age at MRI	-0.08	0.05	-1.60	379.6	0.109	0.218	-0.18	0.02
adjusted model (R ² = .01)	Age delta	-0.03	0.05	-0.58	199.7	0.565	0.991	-0.12	0.07	ed mc .01)	Age delta	-0.03	0.05	-0.58	205.6	0.560	0.994	-0.12	0.07
usted n = .01)	Height	0.00	0.00	-0.32	179.7	0.752	0.859	-0.01	0.01	justed = .01	Height	0.00	0.00	-0.34	165.9	0.736	0.841	-0.01	0.00
adju (R²	Non-European ethnicity	0.00	0.04	-0.03	196.8	0.975	0.975	-0.08	0.07	8 5	Non-European ethnicity	0.00	0.04	-0.01	195.9	0.990	0.990	-0.08	0.07
Fully	BMI (z-score)	-0.02	0.02	-1.10	105.5	0.272	0.363	-0.06	0.02	Fully	BMI (z-score)	-0.02	0.02	-1.15	100.9	0.251	0.335	-0.06	0.02
"	Parental education	0.00	0.01	0.10	123.7	0.919	0.919	-0.02	0.02	14	Parental education	0.00	0.01	0.07	125.1	0.942	0.942	-0.02	0.02
	Maternal age	0.00	0.00	-0.73	175.5	0.468	0.468	-0.01	0.00		Maternal age	0.00	0.00	-0.74	175.2	0.459	0.459	-0.01	0.00
	Birth weight	0.04	0.02	1.99 -0.26	466.8	0.047	0.063	0.00	0.08	1	Birth weight	0.04	0.02	1.98 -0.25	468.3	0.048	0.064	0.00	0.08
1	Gestational age (birth)	-0.01	0.02	-0.26	230.2	0.798	0.798	-0.05	0.03		Gestational age (birth)	-0.01	0.02	-0.25	226.3	0.800	0.800	-0.05	0.04

^{*} SE= standard error; Df = degrees of freedom; FDR = false discovery rate; LCI = lower limit of the 95% confidence interval; UCI = upper limit of the 95% confidence interval;

Table S13 - Sensitivity (complete MRI data)

Part			CAROTII	O INTIMA-	MEDIA TH	IICKNESS	(IMT)						(CAROTID	DISTENS	IBILITY				
Mate		Predictor	Beta	SE	Statistic	Df	P _{unadjusted}	P _{FDR}	LCI	UCI		Predictor	Beta	SE	Statistic	Df	unadjusted	P _{FDR}	LCI	UCI
# Professional Continuation						• •										ıme (TBV)	1			
Part																				
Part	odel 31)										odel 31)									
Part	se m 2 ² = .										se m									
	Ba:	-									Ba	-								
Mart Procession 1.0 2.		Height	0.02	0.00	8.24	1414.9	0.000	0.000	0.02	0.03		Height	0.03	0.00	8.39	1445.1	0.000	0.000	0.02	0.03
Parameter 1,00 2,01 2,		(Intercept)	-2.32	0.70	-3.32	1099.7	0.001	0.008	-3.69	-0.95		(Intercept)	-2.41	0.70	-3.44	1073.8	0.001	0.008	-3.78	-1.04
May																				
Part	odel										odel									
Part	36)	=									39)									
Part	Jjuste	=									Jjuste	-								
Page	ly ac	=									ly ac	-								
Maintensing No. 10 10 10 10 10 10 10 1	Ī	BMI (z-score)	0.04	0.02	2.15	809.8	0.032	0.128	0.00	0.08	Ē	BMI (z-score)	0.05	0.02	2.21	598.2	0.027	0.108	0.01	0.09
		Parental education	0.05	0.01	4.94	1069.5	0.000	0.000	0.03	0.06		Parental education	0.05	0.01	5.00	1029.3	0.000	0.000	0.03	0.06
Professional Pro		Maternal age	0.02					0.000	0.01	0.02		Maternal age	0.02					0.000	0.01	0.02
Milicanows Mil							-										-			
Part																				
## Age at Nort 0.32 0.06 0.32 0.06 0.07	odel 32)										odel 32)									
Mile	se m										se m									
Height 0.02 0.00 0.72 1310 0.00	Bas (R	=									Bas (R	-								
Martin Service 100			0.02	0.00	7.72	1340.8	0.000	0.000	0.02	0.03		Height	0.02	0.00	7.83	1397.6	0.000	0.000	0.02	0.03
Parameter Para		(Intercept)	-0.85	0.68	-1.25	1141.9	0.211	0.211	-2.18	0.48		(Intercept)	-0.92	0.68	-1.36	1172.6	0.176	0.178	-2.26	0.41
Page		IMT (z-score)																		
Partial Education O.5 O.	lapc										ləpc									
Partial Education O.5 O.	9) 9)	=									ощ р (6g	-								
Partial Education O.5 O.	juste	-									juste	-								
Partial Education O.5 O.	y ad	=									y ad	-								
Parental education 0,0 0	Ē										3									
Part			0.05	0.01	6.06	1016.9	0.000	0.000	0.04	0.07		Parental education	0.05	0.01	6.12	973.7	0.000	0.000	0.04	0.07
Part Continue Co		Maternal age	0.02	0.00	5.14	1941.7	0.000	0.000	0.01	0.03		Maternal age					0.000	0.000	0.01	0.03
Mart Cascore 0.01 0.02 0.26 590.4 0.793 0.793 0.793 0.795																				
Parelle Pare																				
## Age at MRI 0.01 0.07 0.16 1366 0.876 0.15	odel 31)										odel 31)									
Height O.01 O.00 C.24 Sept. Sept. Sept. O.04 O.05 O.05 O.04 O.05 O.05 O.04 O.05 O.	se m 2 ² = .(se m 2 ² = .(
	Ba (F	-	0.10	0.07	1.57	1021.0		0.187	-0.03		Ba (F	-		0.07	1.53	986.1	0.127		-0.03	
Partial education 0.01 0.02 0.04 0.05 0.073 0.07		Height	0.01	0.00	2.19	1591.7	0.029	0.046	0.00	0.01		Height	0.01	0.00	2.42	1444.2	0.015	0.024	0.00	0.02
Female sex		(Intercept)	-2.42	0.82	-2.95	1524.3	0.003	0.011	-4.03	-0.81		(Intercept)	-2.49	0.82	-3.04	1541.3	0.002	0.008	-4.09	-0.88
Age at MRI 0.06 0.07 0.08 1.084 1.084 0.07 0.003 0.0302 0.0502 0.06 0.005 0.																				
Parental education 0.03 0.01 2.33 467.3 0.020 0.027 0.000 0.05 Maternal age 0.01 0.00 2.26 2232.6 0.024 0.032 0.00 0.05 Maternal age 0.01 0.00 2.26 2232.6 0.024 0.032 0.00 0.05 Maternal age 0.01 0.00 2.26 2232.6 0.024 0.032 0.00 0.05 Maternal age 0.01 0.00 0.26 2232.6 0.024 0.032 0.00 0.05 Maternal age 0.01 0.00 0.26 2232.6 0.024 0.032 0.00 0.05 Maternal age 0.01 0.00 0.26 2215.0 0.024 0.032 0.00 0.05 Maternal age 0.01 0.00 0.26 2215.0 0.024 0.032 0.00 0.05 Maternal age 0.01 0.00 0.26 2215.0 0.024 0.032 0.00 0.05 Maternal age 0.01 0.00 0.26 2215.0 0.024 0.032 0.00 0.05 Maternal age 0.01 0.00 0.26 0.250 0.004 0.032 0.05 Maternal age 0.01 0.00 0.26 0.024 0.032 0.00 0.05 Maternal age 0.01 0.00 0.26 0.250 0.024 0.032 0.00 0.05 Maternal age 0.01 0.00 0.26 0.024 0.032 0.00 0.05 Maternal age 0.01 0.00 0.26 0.024 0.032 0.00 0.05 Maternal age 0.01 0.00 0.26 0.024 0.032 0.00 0.05 Maternal age 0.01 0.00 0.26 0.024 0.032 0.00 0.05 Maternal age 0.01 0.00 0.26 0.024 0.032 0.00 0.05 Maternal age 0.01 0.00 0.02 0.01 0.00	odel										odel									
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Company Comp		Parental education	0.03	0.01	2.33	467.3	0.020	0.027	0.00	0.05		Parental education	0.03	0.01	2.31	479.0	0.021	0.028	0.00	0.05
Column C		Maternal age	0.01			2232.6		0.032	0.00	0.02		Maternal age	0.01			2215.0		0.032	0.00	0.02
Martic M	_	7.1	0.00					0.044	0.74	0.00		# L D	0.04					0.000	0.00	0.07
Female sex -0.24 0.04 -5.88 2296.2 0.000 0.000 -0.32 -0.16 Age at MRI -0.09 0.07 -1.28 1004.7 0.201 0.322 -0.23 0.05 Age delta -0.11 0.07 -1.64 740.7 0.102 0.187 -0.24 0.02 Height 0.00 0.00 -1.08 1165.5 0.280 0.320 0.01 0.00 0.00 0.00 0.00 0.00 0.00 0.																				
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Parental education 0.00 0.01 0.05 503.1 0.963 0.963 -0.02 0.02 Parental education 0.00 0.01 0.08 526.1 0.935 0.935 -0.02 0.02 Maternal age 0.00 0.00 -0.48 2242.0 0.630 0.630 -0.01 0.01 Maternal age 0.00 0.00 -0.48 2237.7 0.632 0.632 -0.01 0.01	33)	=									33)	-								
Parental education 0.00 0.01 0.05 503.1 0.963 0.963 -0.02 0.02 Parental education 0.00 0.01 0.08 526.1 0.935 0.935 -0.02 0.02 Maternal age 0.00 0.00 -0.48 2242.0 0.630 0.630 -0.01 0.01 Maternal age 0.00 0.00 -0.48 2237.7 0.632 0.632 -0.01 0.01	juste 2 = .(-									juste 2 = .(•								
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											1	Parental education								
* SE= standard error; Df = degrees of freedom; FDR = false discovery rate; LCI = lower limit of the 95% confidence interval; UCI = upper limit of the 95% confidence interval;																		0.632	-0.01	0.01

^{*} SE= standard error; Df = degrees of freedom; FDR = false discovery rate; LCI = lower limit of the 95% confidence interval; UCI = upper limit of the 95% confidence interval;

Table S13 - Sensitivity (complete MRI data) (cont'd)

		SYST	OLIC BLC	OD PRES	SSURE (S	BP)						DIASTO	OLIC BLO	OD PRES	SURE (DI	3P)			
	Predictor	Beta	SE	Statistic	Df	P _{unadjusted}	P _{FDR}	LCI	UCI		Predictor	Beta	SE	Statistic	Df F	unadjusted	P _{FDR}	LCI	UCI
				brain volu	ume (TBV)									ıme (TBV)				
	(Intercept)	-1.39	0.70	-1.98	1303.7	0.048	0.067	-2.77	-0.01		(Intercept)	-1.09	0.69	-1.59	1388.1	0.113	0.151	-2.44	0.26
= .31)	SBP (z-score)	-0.07 -1.06	0.02	-3.40 -28.78	1121.6 2035.9	0.001	0.004	-0.11 -1.13	-0.03 -0.99	model =.32)	DBP (z-score)	-0.08 -1.05	0.02	-3.94 -28.34	633.0 2006.0	0.000	0.000	-0.12 -1.12	-0.04 -0.98
%e π	Female sex Age at MRI	-0.19	0.04	-3.02	1141.1	0.000	0.000	-0.31	-0.99		Female sex Age at MRI	-0.19	0.04	-3.05	1111.3	0.000	0.008	-0.31	-0.96
Base (R ² :	Age delta	0.16	0.06	2.76	905.3	0.006	0.024	0.05	0.27	Base (R²	Age delta	0.16	0.06	2.82	903.0	0.005	0.020	0.05	0.28
	Height	0.03	0.00	9.00	1376.3	0.000	0.000	0.02	0.03		Height	0.03	0.00	8.66	1487.8	0.000	0.000	0.02	0.03
	(Intercept)	-2.63	0.70	-3.74	1076.3	0.000	0.000	-4.01	-1.25		(Intercept)	-2.42	0.70	-3.47	1122.9	0.001	0.008	-3.78	-1.05
	SBP (z-score)	-0.05	0.02	-2.66	1183.0	0.008	0.016	-0.09	-0.01		DBP (z-score)	-0.05	0.02	-2.79	693.2	0.005	0.012	-0.09	-0.02
odel	Female sex	-1.05	0.04	-29.47	2013.7	0.000	0.000	-1.12	-0.98	gel	Female sex	-1.04	0.04	-29.19	1995.5	0.000	0.000	-1.11	-0.97
adjusted mode (R² = .36)	Age at MRI	-0.07 0.08	0.06	-1.20 1.34	827.3 633.2	0.232 0.182	0.309	-0.19 -0.04	0.05	adjusted model (R ² = .37)	Age at MRI	-0.08 0.08	0.06	-1.23 1.40	810.4 631.6	0.218 0.163	0.291 0.326	-0.19	0.04
justed r 2 = .36)	Age delta Height	0.08	0.00	7.22	1269.1	0.182	0.000	0.02	0.19	juste	Age delta Height	0.08	0.00	6.95	1308.6	0.000	0.000	-0.03 0.02	0.19 0.03
lyadji (R²	Non-European ethnicity	-0.31	0.04	-7.47	1823.5	0.000	0.000	-0.39	-0.23	lyadj (R²	Non-European ethnicity	-0.31	0.04	-7.40	1821.1	0.000	0.000	-0.39	-0.23
Fully	BMI (z-score)	0.06	0.02	2.80	722.3	0.005	0.020	0.02	0.10	Fully	BMI (z-score)	0.05	0.02	2.39	794.1	0.017	0.068	0.01	0.09
	Parental education	0.05	0.01	4.91	974.2	0.000	0.000	0.03	0.06		Parental education	0.04	0.01	4.90	1131.7	0.000	0.000	0.03	0.06
	Maternal age	0.02	0.00	4.17	1949.8	0.000	0.000	0.01	0.02		Maternal age	0.02	0.00	4.07	1963.1	0.000	0.000	0.01	0.02
\longrightarrow				natter vol		•									ıme (GMV				
	(Intercept)	0.40	0.70	0.57	1355.3	0.566	0.566	-0.97	1.77		(Intercept)	0.77	0.68	1.14	1451.6	0.256	0.256	-0.56	2.11
model = .32)	SBP (z-score) Female sex	-0.08 -1.07	0.02	-4.06 -29.26	1208.3 2036.6	0.000	0.000	-0.12 -1.14	-0.04 -1.00	model =.33)	DBP (z-score) Female sex	-0.08 -1.06	0.02	-4.24 -28.80	644.8 2002.5	0.000	0.000	-0.12 -1.13	-0.05 -0.99
se m(Age at MRI	-0.31	0.04	-29.26	1214.4	0.000	0.000	-0.43	-0.19	se mo	Age at MRI	-0.31	0.04	-28.80 -5.13	1150.9	0.000	0.000	-0.43	-0.99
Base (R² :	Age delta	0.18	0.06	3.18	955.1	0.002	0.016	0.07	0.29	Base (R²	Age delta	0.19	0.06	3.25	927.7	0.001	0.008	0.07	0.30
	Height	0.03	0.00	8.67	1258.5	0.000	0.000	0.02	0.03		Height	0.02	0.00	8.16	1409.2	0.000	0.000	0.02	0.03
	(Intercept)	-1.18	0.68	-1.72	1138.0	0.085	0.097	-2.52	0.16		(Intercept)	-0.96	0.68	-1.41	1159.2	0.159	0.182	-2.28	0.37
	SBP (z-score)	-0.06	0.02	-2.82	1245.4	0.005	0.013	-0.09	-0.02		DBP (z-score)	-0.05	0.02	-2.76	660.9	0.006	0.012	-0.09	-0.02
odel	Female sex	-1.06	0.04	-30.49	1999.9	0.000	0.000	-1.13	-0.99	model)	Female sex	-1.06	0.04	-30.22	1985.4	0.000	0.000	-1.12	-0.99
adjusted model $(R^2 = .40)$	Age at MRI Age delta	-0.17 0.08	0.06	-2.94 1.49	840.2 638.5	0.003 0.137	0.008	-0.29 -0.03	-0.06 0.19	sted m = .40)	Age at MRI Age delta	-0.18 0.09	0.06	-2.97 1.55	808.0 623.0	0.003	0.008	-0.29 -0.02	-0.06 0.20
juste	Age delta Height	0.00	0.00	6.86	1137.8	0.000	0.000	0.03	0.19		Age delta Height	0.09	0.00	6.55	1176.7	0.000	0.000	0.02	0.20
ly ad	Non-European ethnicity	-0.36	0.04	-8.81	1805.1	0.000	0.000	-0.44	-0.28	ly adj	Non-European ethnicity	-0.36	0.04	-8.74	1801.3	0.000	0.000	-0.43	-0.28
Fully	BMI (z-score)	0.04	0.02	2.08	745.2	0.038	0.076	0.00	0.08	Fully	BMI (z-score)	0.03	0.02	1.58	800.7	0.115	0.153	-0.01	0.07
	Parental education	0.05	0.01	6.03	919.0	0.000	0.000	0.04	0.07		Parental education	0.05	0.01	6.02	1045.0	0.000	0.000	0.04	0.07
Ш	Maternal age	0.02	0.00	5.10	1917.4	0.000	0.000	0.01	0.03		Maternal age	0.02	0.00	5.01	1948.3	0.000	0.000	0.01	0.03
				actional a		-									nisotropy				
	(Intercept) SBP (z-score)	-1.63 -0.01	0.81	-2.01 -0.24	1305.8 689.5	0.045 0.812	0.060 0.812	-3.22 -0.05	-0.04 0.04		(Intercept) DBP (z-score)	-1.62 -0.01	0.79	-2.04 -0.63	1468.2 643.7	0.041	0.055 0.608	-3.18 -0.06	-0.06 0.03
=.01)	Female sex			-0.24	2298.0	0.731	0.612	-0.05		ge ⊆	, ,				043.7	0.552	0.000		0.03
15 -		-0.01	0.04						0.07	9 ò	Female sex	-0.01	0.04	-0.29	2293.0	0.772	0.772		0.01
% = 2	Age at MRI	-0.01 0.01	0.04	0.17	1319.9	0.869	0.869	-0.13	0.07 0.15	se model 2 =.01)	Female sex Age at MRI	-0.01 0.01	0.04	-0.29 0.17	2293.0 1376.6	0.772 0.863	0.772 0.863	-0.09 -0.12	0.15
Base n (R² =					1319.9 978.9	0.869 0.121				Base mo (R ² =.0'									0.15 0.23
Base r (R ² =	Age at MRI	0.01	0.07	0.17			0.869	-0.13	0.15	Base mo (R² =.0°	Age at MRI	0.01	0.07	0.17	1376.6	0.863	0.863	-0.12	
Base r (R² =	Age at MRI Age delta	0.01 0.10	0.07 0.07	0.17 1.55	978.9	0.121	0.869 0.194	-0.13 -0.03	0.15 0.23	Base mo (R ² =.0°	Age at MRI Age delta	0.01 0.10	0.07 0.07	0.17 1.55	1376.6 1037.9	0.863 0.121	0.863 0.194	-0.12 -0.03 0.00 -4.00	0.23 0.01 -0.80
Base (R ²	Age at MRI Age delta Height (Intercept) SBP (z-score)	0.01 0.10 0.01 -2.36 0.01	0.07 0.07 0.00 0.83 0.02	0.17 1.55 2.15 -2.85 0.33	978.9 1528.1 1433.5 807.8	0.121 0.031 0.004 0.744	0.869 0.194 0.050 0.016 0.812	-0.13 -0.03 0.00 -3.98 -0.04	0.15 0.23 0.01 -0.74 0.06	Base (R ²	Age at MRI Age delta Height (Intercept) DBP (z-score)	0.01 0.10 0.01 -2.40 0.00	0.07 0.07 0.00 0.82 0.02	0.17 1.55 2.19 -2.94 -0.08	1376.6 1037.9 1519.5 1527.0 648.9	0.863 0.121 0.028 0.003 0.941	0.863 0.194 0.045 0.012 0.941	-0.12 -0.03 0.00 -4.00 -0.05	0.23 0.01 -0.80 0.04
Base (R ²	Age at MRI Age delta Height (Intercept) SBP (z-score) Female sex	0.01 0.10 0.01 -2.36 0.01 -0.02	0.07 0.07 0.00 0.83 0.02 0.04	0.17 1.55 2.15 -2.85 0.33 -0.36	978.9 1528.1 1433.5 807.8 2289.0	0.121 0.031 0.004 0.744 0.723	0.869 0.194 0.050 0.016 0.812 0.731	-0.13 -0.03 0.00 -3.98 -0.04 -0.10	0.15 0.23 0.01 -0.74 0.06 0.07	Base (R ²	Age at MRI Age delta Height (Intercept) DBP (z-score) Female sex	0.01 0.10 0.01 -2.40 0.00 -0.01	0.07 0.07 0.00 0.82 0.02 0.04	0.17 1.55 2.19 -2.94 -0.08 -0.32	1376.6 1037.9 1519.5 1527.0 648.9 2282.9	0.863 0.121 0.028 0.003 0.941 0.752	0.863 0.194 0.045 0.012 0.941 0.772	-0.12 -0.03 0.00 -4.00 -0.05 -0.10	0.23 0.01 -0.80 0.04 0.07
Base (R ²	Age at MRI Age delta Height (Intercept) SBP (z-score) Female sex Age at MRI	0.01 0.10 0.01 -2.36 0.01 -0.02 0.06	0.07 0.07 0.00 0.83 0.02 0.04 0.07	0.17 1.55 2.15 -2.85 0.33 -0.36 0.83	978.9 1528.1 1433.5 807.8 2289.0 1380.6	0.121 0.031 0.004 0.744 0.723 0.408	0.869 0.194 0.050 0.016 0.812 0.731 0.466	-0.13 -0.03 0.00 -3.98 -0.04 -0.10 -0.08	0.15 0.23 0.01 -0.74 0.06 0.07 0.20	model Base	Age at MRI Age delta Height (Intercept) DBP (z-score) Female sex Age at MRI	0.01 0.10 0.01 -2.40 0.00 -0.01 0.06	0.07 0.07 0.00 0.82 0.02 0.04 0.07	0.17 1.55 2.19 -2.94 -0.08 -0.32 0.84	1376.6 1037.9 1519.5 1527.0 648.9 2282.9 1401.7	0.863 0.121 0.028 0.003 0.941 0.752 0.403	0.863 0.194 0.045 0.012 0.941 0.772 0.461	-0.12 -0.03 0.00 -4.00 -0.05 -0.10 -0.08	0.23 0.01 -0.80 0.04 0.07 0.20
Base (R ²	Age at MRI Age delta Height (Intercept) SBP (z-score) Female sex	0.01 0.10 0.01 -2.36 0.01 -0.02	0.07 0.07 0.00 0.83 0.02 0.04	0.17 1.55 2.15 -2.85 0.33 -0.36	978.9 1528.1 1433.5 807.8 2289.0	0.121 0.031 0.004 0.744 0.723	0.869 0.194 0.050 0.016 0.812 0.731	-0.13 -0.03 0.00 -3.98 -0.04 -0.10	0.15 0.23 0.01 -0.74 0.06 0.07	model Base	Age at MRI Age delta Height (Intercept) DBP (z-score) Female sex	0.01 0.10 0.01 -2.40 0.00 -0.01	0.07 0.07 0.00 0.82 0.02 0.04	0.17 1.55 2.19 -2.94 -0.08 -0.32	1376.6 1037.9 1519.5 1527.0 648.9 2282.9	0.863 0.121 0.028 0.003 0.941 0.752	0.863 0.194 0.045 0.012 0.941 0.772	-0.12 -0.03 0.00 -4.00 -0.05 -0.10	0.23 0.01 -0.80 0.04 0.07
Base (R ²	Age at MRI Age delta Height (Intercept) SBP (z-score) Female sex Age at MRI Age delta	0.01 0.10 0.01 -2.36 0.01 -0.02 0.06 0.07	0.07 0.07 0.00 0.83 0.02 0.04 0.07	0.17 1.55 2.15 -2.85 0.33 -0.36 0.83 1.05	978.9 1528.1 1433.5 807.8 2289.0 1380.6 1033.5	0.121 0.031 0.004 0.744 0.723 0.408 0.296	0.869 0.194 0.050 0.016 0.812 0.731 0.466 0.297	-0.13 -0.03 0.00 -3.98 -0.04 -0.10 -0.08 -0.06	0.15 0.23 0.01 -0.74 0.06 0.07 0.20	adjusted model Base $(R^2 = .02)$ $(R^2$	Age at MRI Age delta Height (Intercept) DBP (z-score) Female sex Age at MRI Age delta	0.01 0.10 0.01 -2.40 0.00 -0.01 0.06 0.07	0.07 0.07 0.00 0.82 0.02 0.04 0.07	0.17 1.55 2.19 -2.94 -0.08 -0.32 0.84 1.03	1376.6 1037.9 1519.5 1527.0 648.9 2282.9 1401.7 1071.3	0.863 0.121 0.028 0.003 0.941 0.752 0.403 0.302	0.863 0.194 0.045 0.012 0.941 0.772 0.461 0.302	-0.12 -0.03 0.00 -4.00 -0.05 -0.10 -0.08 -0.06	0.23 0.01 -0.80 0.04 0.07 0.20
usted model Base (R ² = .02)	Age at MRI Age delta Height (Intercept) SBP (z-score) Female sex Age at MRI Age delta Height	0.01 0.10 0.01 -2.36 0.01 -0.02 0.06 0.07 0.01	0.07 0.07 0.00 0.83 0.02 0.04 0.07 0.07	0.17 1.55 2.15 -2.85 0.33 -0.36 0.83 1.05 1.52	978.9 1528.1 1433.5 807.8 2289.0 1380.6 1033.5 1447.4	0.121 0.031 0.004 0.744 0.723 0.408 0.296 0.128	0.869 0.194 0.050 0.016 0.812 0.731 0.466 0.297 0.171	-0.13 -0.03 0.00 -3.98 -0.04 -0.10 -0.08 -0.06 0.00	0.15 0.23 0.01 -0.74 0.06 0.07 0.20 0.20 0.01	model Base	Age at MRI Age delta Height (Intercept) DBP (z-score) Female sex Age at MRI Age delta Height	0.01 0.10 0.01 -2.40 0.00 -0.01 0.06 0.07 0.01	0.07 0.07 0.00 0.82 0.02 0.04 0.07 0.07	0.17 1.55 2.19 -2.94 -0.08 -0.32 0.84 1.03 1.63	1376.6 1037.9 1519.5 1527.0 648.9 2282.9 1401.7 1071.3 1387.9	0.863 0.121 0.028 0.003 0.941 0.752 0.403 0.302 0.104	0.863 0.194 0.045 0.012 0.941 0.772 0.461 0.302 0.139	-0.12 -0.03 0.00 -4.00 -0.05 -0.10 -0.08 -0.06 0.00	0.23 0.01 -0.80 0.04 0.07 0.20 0.20 0.01
Base (R ²	Age at MRI Age delta Height (Intercept) SBP (z-score) Female sex Age at MRI Age delta Height Non-European ethnicity BMI (z-score) Parental education	0.01 0.10 0.01 -2.36 0.01 -0.02 0.06 0.07 0.01 -0.09 0.00	0.07 0.07 0.00 0.83 0.02 0.04 0.07 0.07 0.00 0.05 0.02	0.17 1.55 2.15 -2.85 0.33 -0.36 0.83 1.05 1.52 -1.86	978.9 1528.1 1433.5 807.8 2289.0 1380.6 1033.5 1447.4 1928.2	0.121 0.031 0.004 0.744 0.723 0.408 0.296 0.128 0.063 0.860 0.020	0.869 0.194 0.050 0.016 0.812 0.731 0.466 0.297 0.171 0.084 0.860 0.027	-0.13 -0.03 0.00 -3.98 -0.04 -0.10 -0.08 -0.06 0.00 -0.19 -0.04 0.00	0.15 0.23 0.01 -0.74 0.06 0.07 0.20 0.20 0.01 0.01 0.05 0.05	adjusted model Base $(R^2 = .02)$ $(R^2$	Age at MRI Age delta Height (Intercept) DBP (z-score) Female sex Age at MRI Age delta Height Non-European ethnicity BMI (z-score) Parental education	0.01 0.10 0.01 -2.40 0.00 -0.01 0.06 0.07 0.01 -0.09 0.01	0.07 0.07 0.00 0.82 0.02 0.04 0.07 0.07 0.00 0.05 0.02	0.17 1.55 2.19 -2.94 -0.08 -0.32 0.84 1.03 1.63 -1.85	1376.6 1037.9 1519.5 1527.0 648.9 2282.9 1401.7 1071.3 1387.9 1902.9 1765.7 501.0	0.863 0.121 0.028 0.003 0.941 0.752 0.403 0.302 0.104 0.065 0.775	0.863 0.194 0.045 0.012 0.941 0.772 0.461 0.302 0.139 0.087 0.775	-0.12 -0.03 0.00 -4.00 -0.05 -0.10 -0.08 -0.06 0.00 -0.19 -0.04 0.00	0.23 0.01 -0.80 0.04 0.07 0.20 0.20 0.01 0.01 0.05 0.05
Base (R ²	Age at MRI Age delta Height (Intercept) SBP (z-score) Female sex Age at MRI Age delta Height Non-European ethnicity BMI (z-score)	0.01 0.10 0.01 -2.36 0.01 -0.02 0.06 0.07 0.01 -0.09	0.07 0.07 0.00 0.83 0.02 0.04 0.07 0.07 0.00 0.05 0.02 0.01	0.17 1.55 2.15 -2.85 0.33 -0.36 0.83 1.05 1.52 -1.86 0.18 2.34 2.26	978.9 1528.1 1433.5 807.8 2289.0 1380.6 1033.5 1447.4 1928.2 1899.0 494.8 2233.7	0.121 0.031 0.004 0.744 0.723 0.408 0.296 0.128 0.063 0.860 0.020	0.869 0.194 0.050 0.016 0.812 0.731 0.466 0.297 0.171 0.084 0.860	-0.13 -0.03 0.00 -3.98 -0.04 -0.10 -0.08 -0.06 0.00 -0.19 -0.04	0.15 0.23 0.01 -0.74 0.06 0.07 0.20 0.20 0.01 0.01	adjusted model Base $(R^2 = .02)$ $(R^2$	Age at MRI Age delta Height (Intercept) DBP (z-score) Female sex Age at MRI Age delta Height Non-European ethnicity BMI (z-score)	0.01 0.10 0.01 -2.40 0.00 -0.01 0.06 0.07 0.01 -0.09	0.07 0.07 0.00 0.82 0.02 0.04 0.07 0.07 0.00 0.05 0.02	0.17 1.55 2.19 -2.94 -0.08 -0.32 0.84 1.03 1.63 -1.85 0.29 2.32 2.25	1376.6 1037.9 1519.5 1527.0 648.9 2282.9 1401.7 1071.3 1387.9 1902.9 1765.7 501.0 2230.2	0.863 0.121 0.028 0.003 0.941 0.752 0.403 0.302 0.104 0.065 0.775 0.021	0.863 0.194 0.045 0.012 0.941 0.772 0.461 0.302 0.139 0.087 0.775	-0.12 -0.03 0.00 -4.00 -0.05 -0.10 -0.08 -0.06 0.00 -0.19 -0.04	0.23 0.01 -0.80 0.04 0.07 0.20 0.20 0.01 0.01 0.05
Base (R ²	Age at MRI Age delta Height (Intercept) SBP (z-score) Female sex Age at MRI Age delta Height Non-European ethnicity BMI (z-score) Parental education Maternal age	0.01 0.10 0.01 -2.36 0.01 -0.02 0.06 0.07 0.01 -0.09 0.00 0.03 0.01	0.07 0.07 0.00 0.83 0.02 0.04 0.07 0.07 0.00 0.05 0.02 0.01 0.00	0.17 1.55 2.15 -2.85 0.33 -0.36 0.83 1.05 1.52 -1.86 0.18 2.34 2.26	978.9 1528.1 1433.5 807.8 2289.0 1380.6 1033.5 1447.4 1928.2 1899.0 494.8 2233.7 usivity (M	0.121 0.031 0.004 0.744 0.723 0.408 0.296 0.128 0.063 0.860 0.020 0.024	0.869 0.194 0.050 0.016 0.812 0.731 0.466 0.297 0.171 0.084 0.860 0.027	-0.13 -0.03 0.00 -3.98 -0.04 -0.10 -0.08 -0.06 0.00 -0.19 -0.04 0.00	0.15 0.23 0.01 -0.74 0.06 0.07 0.20 0.20 0.01 0.05 0.05	adjusted model Base $(R^2 = .02)$ $(R^2$	Age at MRI Age delta Height (Intercept) DBP (z-score) Female sex Age at MRI Age delta Height Non-European ethnicity BMI (z-score) Parental education Maternal age	0.01 0.10 0.01 -2.40 0.00 -0.01 0.06 0.07 0.01 -0.09 0.01	0.07 0.07 0.00 0.82 0.02 0.04 0.07 0.07 0.00 0.05 0.02 0.01	0.17 1.55 2.19 -2.94 -0.08 -0.32 0.84 1.03 1.63 -1.85 0.29 2.32 2.25	1376.6 1037.9 1519.5 1527.0 648.9 2282.9 1401.7 1071.3 1387.9 1902.9 1765.7 501.0 2230.2 usivity (MI	0.863 0.121 0.028 0.003 0.941 0.752 0.403 0.302 0.104 0.065 0.775 0.021 0.025	0.863 0.194 0.045 0.012 0.941 0.772 0.461 0.302 0.139 0.087 0.775 0.028 0.033	-0.12 -0.03 0.00 -4.00 -0.05 -0.10 -0.08 -0.06 0.00 -0.19 -0.04 0.00	0.23 0.01 -0.80 0.04 0.07 0.20 0.20 0.01 0.05 0.05 0.02
Fully adjusted model Base (R² = .02)	Age at MRI Age delta Height (Intercept) SBP (z-score) Female sex Age at MRI Age delta Height Non-European ethnicity BMI (z-score) Parental education Maternal age	0.01 0.10 0.01 -2.36 0.01 -0.02 0.06 0.07 0.01 -0.09 0.00 0.03 0.01	0.07 0.07 0.00 0.83 0.02 0.04 0.07 0.07 0.00 0.05 0.02 0.01	0.17 1.55 2.15 -2.85 0.33 -0.36 0.83 1.05 1.52 -1.86 0.18 2.34 2.26	978.9 1528.1 1433.5 807.8 2289.0 1380.6 1033.5 1447.4 1928.2 1899.0 494.8 2233.7 usivity (M	0.121 0.031 0.004 0.744 0.723 0.408 0.296 0.128 0.063 0.860 0.020 0.024 D)	0.869 0.194 0.050 0.016 0.812 0.731 0.466 0.297 0.171 0.084 0.860 0.027 0.032	-0.13 -0.03 0.00 -3.98 -0.04 -0.10 -0.08 -0.06 0.00 -0.19 -0.04 0.00	0.15 0.23 0.01 -0.74 0.06 0.07 0.20 0.20 0.01 0.05 0.05 0.02	Fully adjusted model Base $(R^2 = .02)$	Age at MRI Age delta Height (Intercept) DBP (z-score) Female sex Age at MRI Age delta Height Non-European ethnicity BMI (z-score) Parental education	0.01 0.10 0.01 -2.40 0.00 -0.01 0.06 0.07 0.01 -0.09 0.01 0.03 0.01	0.07 0.07 0.00 0.82 0.02 0.04 0.07 0.07 0.00 0.05 0.02	0.17 1.55 2.19 -2.94 -0.08 -0.32 0.84 1.03 1.63 -1.85 0.29 2.32 2.25	1376.6 1037.9 1519.5 1527.0 648.9 2282.9 1401.7 1071.3 1387.9 1902.9 1765.7 501.0 2230.2 usivity (ME	0.863 0.121 0.028 0.003 0.941 0.752 0.403 0.302 0.104 0.065 0.775 0.021	0.863 0.194 0.045 0.012 0.941 0.772 0.461 0.302 0.139 0.087 0.775 0.028 0.033	-0.12 -0.03 0.00 -4.00 -0.05 -0.10 -0.08 -0.06 0.00 -0.19 -0.04 0.00 0.00	0.23 0.01 -0.80 0.04 0.07 0.20 0.20 0.01 0.05 0.05 0.02
Fully adjusted model Base (R² = .02)	Age at MRI Age delta Height (Intercept) SBP (z-score) Female sex Age at MRI Age delta Height Non-European ethnicity BMI (z-score) Parental education Maternal age	0.01 0.10 0.01 -2.36 0.01 -0.02 0.06 0.07 0.01 -0.09 0.00 0.03 0.01	0.07 0.07 0.00 0.83 0.02 0.04 0.07 0.00 0.05 0.02 0.01 0.00 Global	0.17 1.55 2.15 -2.85 0.33 -0.36 0.83 1.05 1.52 -1.86 0.18 2.34 2.26	978.9 1528.1 1433.5 807.8 2289.0 1380.6 1033.5 1447.4 1928.2 1899.0 494.8 2233.7 usivity (M	0.121 0.031 0.004 0.744 0.723 0.408 0.296 0.128 0.063 0.860 0.020 0.024	0.869 0.194 0.050 0.016 0.812 0.731 0.466 0.297 0.171 0.084 0.860 0.027	-0.13 -0.03 0.00 -3.98 -0.04 -0.10 -0.08 -0.06 0.00 -0.19 -0.04 0.00 0.00	0.15 0.23 0.01 -0.74 0.06 0.07 0.20 0.20 0.01 0.05 0.05	Fully adjusted model Base $(R^2 = .02)$	Age at MRI Age delta Height (Intercept) DBP (z-score) Female sex Age at MRI Age delta Height Non-European ethnicity BMI (z-score) Parental education Maternal age	0.01 0.10 0.01 -2.40 0.00 -0.01 0.06 0.07 0.01 -0.09 0.01	0.07 0.07 0.00 0.82 0.02 0.04 0.07 0.07 0.00 0.05 0.02 0.01 0.00 Global I	0.17 1.55 2.19 -2.94 -0.08 -0.32 0.84 1.03 1.63 -1.85 0.29 2.32 2.25 mean diffu	1376.6 1037.9 1519.5 1527.0 648.9 2282.9 1401.7 1071.3 1387.9 1902.9 1765.7 501.0 2230.2 usivity (MI	0.863 0.121 0.028 0.003 0.941 0.752 0.403 0.302 0.104 0.065 0.775 0.021 0.025	0.863 0.194 0.045 0.012 0.941 0.772 0.461 0.302 0.139 0.087 0.775 0.028 0.033	-0.12 -0.03 0.00 -4.00 -0.05 -0.10 -0.08 -0.06 0.00 -0.19 -0.04 0.00	0.23 0.01 -0.80 0.04 0.07 0.20 0.20 0.01 0.05 0.05 0.02
Fully adjusted model Base (R² = .02)	Age at MRI Age delta Height (Intercept) SBP (z-score) Female sex Age at MRI Age delta Height Non-European ethnicity BMI (z-score) Parental education Maternal age (Intercept) SBP (z-score)	0.01 0.10 0.01 -2.36 0.01 -0.02 0.06 0.07 0.01 -0.09 0.00 0.03 0.01	0.07 0.07 0.00 0.83 0.02 0.04 0.07 0.00 0.05 0.02 0.01 0.00 Global 0.80	0.17 1.55 2.15 -2.85 0.33 -0.36 0.83 1.05 1.52 -1.86 0.18 2.34 2.26 mean diffi	978.9 1528.1 1433.5 807.8 2289.0 1380.6 1033.5 1447.4 1928.2 1899.0 494.8 2233.7 usivity (M	0.121 0.031 0.004 0.744 0.723 0.408 0.296 0.128 0.063 0.860 0.020 0.024 D)	0.869 0.194 0.050 0.016 0.812 0.731 0.466 0.297 0.171 0.084 0.860 0.027 0.032	-0.13 -0.03 0.00 -3.98 -0.04 -0.10 -0.08 -0.06 0.00 -0.19 -0.04 0.00 0.00	0.15 0.23 0.01 -0.74 0.06 0.07 0.20 0.20 0.01 0.05 0.05 0.02	model Fully adjusted model Base (\mathbb{R}^2 = .02) (\mathbb{R}^2	Age at MRI Age delta Height (Intercept) DBP (z-score) Female sex Age at MRI Age delta Height Non-European ethnicity BMI (z-score) Parental education Maternal age (Intercept) DBP (z-score)	0.01 0.10 0.01 -2.40 0.00 -0.01 0.06 0.07 0.01 -0.09 0.01 0.03 0.01	0.07 0.07 0.00 0.82 0.02 0.04 0.07 0.00 0.05 0.02 0.01 0.00 Global I	0.17 1.55 2.19 -2.94 -0.08 -0.32 0.84 1.03 1.63 -1.85 0.29 2.32 2.25 mean diffu	1376.6 1037.9 1519.5 1527.0 648.9 2282.9 1401.7 1071.3 1387.9 1902.9 1765.7 501.0 2230.2 Issivity (MI 1452.0 385.4	0.863 0.121 0.028 0.003 0.941 0.752 0.403 0.302 0.104 0.065 0.775 0.021 0.025	0.863 0.194 0.045 0.012 0.941 0.772 0.461 0.302 0.139 0.087 0.775 0.028 0.033	-0.12 -0.03 0.00 -4.00 -0.05 -0.10 -0.08 -0.06 0.00 -0.19 -0.04 0.00 0.00	0.23 0.01 -0.80 0.04 0.07 0.20 0.20 0.01 0.05 0.05 0.02 3.74 0.02
Base (R ²	Age at MRI Age delta Height (Intercept) SBP (z-score) Female sex Age at MRI Age delta Height Non-European ethnicity BMI (z-score) Parental education Maternal age (Intercept) SBP (z-score) Female sex	0.01 0.10 0.01 -2.36 0.01 -0.02 0.06 0.07 0.01 -0.09 0.00 0.03 0.01 2.08 -0.02 -0.24	0.07 0.07 0.00 0.83 0.02 0.04 0.07 0.00 0.05 0.02 0.01 0.00 Global 0.80 0.02	0.17 1.55 2.15 -2.85 0.33 -0.36 0.83 1.05 1.52 -1.86 0.18 2.34 2.26 mean difference of the control of the contr	978.9 1528.1 1433.5 807.8 2289.0 1380.6 1033.5 1447.4 1928.2 1899.0 494.8 2233.7 usivity (M 1407.9 917.7 2298.7	0.121 0.031 0.004 0.744 0.723 0.408 0.296 0.128 0.063 0.860 0.020 0.024 D)	0.869 0.194 0.050 0.016 0.812 0.731 0.466 0.297 0.171 0.084 0.860 0.027 0.032	-0.13 -0.03 0.00 -3.98 -0.04 -0.10 -0.08 -0.06 0.00 -0.19 -0.04 0.00 0.00	0.15 0.23 0.01 -0.74 0.06 0.07 0.20 0.20 0.01 0.01 0.05 0.05 0.02	Fully adjusted model Base $(R^2 = .02)$	Age at MRI Age delta Height (Intercept) DBP (z-score) Female sex Age at MRI Age delta Height Non-European ethnicity BMI (z-score) Parental education Maternal age (Intercept) DBP (z-score) Female sex	0.01 0.10 0.01 -2.40 0.00 -0.01 0.06 0.07 0.01 -0.09 0.01 0.03 0.01	0.07 0.07 0.00 0.82 0.02 0.04 0.07 0.07 0.00 0.05 0.01 0.00 Global r 0.79	0.17 1.55 2.19 -2.94 -0.08 -0.32 0.84 1.03 1.63 -1.85 0.29 2.32 2.25 mean diffu 2.80 -1.00 -5.78	1376.6 1037.9 1519.5 1527.0 648.9 2282.9 1401.7 1071.3 1387.9 1902.9 1765.7 501.0 2230.2 usivity (MI 1452.0 385.4 2291.8	0.863 0.121 0.028 0.003 0.941 0.752 0.403 0.302 0.104 0.065 0.775 0.021 0.025 0.005 0.316 0.000	0.863 0.194 0.045 0.012 0.941 0.772 0.461 0.302 0.139 0.087 0.775 0.028 0.033	-0.12 -0.03 0.00 -4.00 -0.05 -0.10 -0.08 -0.06 0.00 -0.19 -0.04 0.00 0.00	0.23 0.01 -0.80 0.04 0.07 0.20 0.20 0.01 0.05 0.05 0.02 3.74 0.02 -0.16
Fully adjusted model Base (R² = .02)	Age at MRI Age delta Height (Intercept) SBP (z-score) Female sex Age at MRI Age delta Height Non-European ethnicity BMI (z-score) Parental education Maternal age (Intercept) SBP (z-score) Female sex Age at MRI Age delta	0.01 0.10 0.01 -2.36 0.01 -0.02 0.06 0.07 0.01 -0.09 0.03 0.01 -2.08 -0.02 -0.02 -0.02	0.07 0.07 0.00 0.83 0.02 0.04 0.07 0.00 0.05 0.02 0.01 0.00 0.80 0.02 0.04 0.07	0.17 1.55 2.15 -2.85 0.33 -0.36 0.83 1.05 1.52 -1.86 0.18 2.34 2.26 mean diffi 2.60 -1.07 -5.85 -1.22 -1.71	978.9 1528.1 1433.5 807.8 2269.0 1380.6 1033.5 1447.4 1928.2 1899.0 494.8 2233.7 usivity (M 1407.9 917.7 2298.7 1049.6 776.6 1162.3	0.121 0.031 0.004 0.744 0.723 0.408 0.296 0.128 0.063 0.860 0.020 0.024 D) 0.009 0.286 0.009 0.221 0.088 0.553	0.869 0.194 0.050 0.016 0.812 0.731 0.466 0.297 0.171 0.084 0.860 0.027 0.032	-0.13 -0.03 0.00 -3.98 -0.04 -0.10 -0.08 -0.06 0.00 -0.19 -0.04 0.00 -0.51 -0.07 -0.32 -0.22 -0.24 -0.01	0.15 0.23 0.01 -0.74 0.06 0.07 0.20 0.20 0.01 0.05 0.05 0.02 -0.16 0.05 0.02	model Fully adjusted model Base (\mathbb{R}^2 = .02) (\mathbb{R}^2	Age at MRI Age delta Height (Intercept) DBP (z-score) Female sex Age at MRI Age delta Height Non-European ethnicity BMI (z-score) Parental education Maternal age (Intercept) DBP (z-score) Female sex Age at MRI Age delta Height	0.01 0.10 0.01 -2.40 0.00 -0.01 0.06 0.07 0.01 -0.09 0.01 -0.03 0.01 -2.20 -0.02 -0.24 -0.09 -0.01	0.07 0.07 0.00 0.82 0.02 0.04 0.07 0.00 0.05 0.02 0.01 0.00 Global r 0.79 0.02 0.04	0.17 1.55 2.19 -2.94 -0.03 0.84 1.03 1.63 -1.85 0.29 2.32 2.25 mean difft 2.80 -1.00 -5.78 -1.24 -1.68 -0.85	1376.6 1037.9 1519.5 1527.0 648.9 2282.9 1401.7 1071.3 1387.9 1902.9 1765.7 501.0 2230.2 usivity (MI 1452.0 385.4 2291.8 1000.9 743.7 1243.2	0.863 0.121 0.028 0.003 0.941 0.752 0.403 0.302 0.104 0.065 0.775 0.021 0.025 0.316 0.000 0.215 0.094 0.094	0.863 0.194 0.045 0.012 0.941 0.772 0.461 0.302 0.139 0.087 0.775 0.028 0.033 0.013 0.475 0.000 0.344 0.194	-0.12 -0.03 0.00 -4.00 -0.05 -0.10 -0.06 0.00 -0.19 -0.04 0.00 -0.	0.23 0.01 -0.80 0.04 0.07 0.20 0.01 0.05 0.05 0.02 -0.16 0.05 0.05 0.02
Fully adjusted model Base (R² = .02)	Age at MRI Age delta Height (Intercept) SBP (z-score) Female sex Age at MRI Age delta Height Non-European ethnicity BMI (z-score) Parental education Maternal age (Intercept) SBP (z-score) Female sex Age at MRI Age delta Height (Intercept)	0.01 0.10 0.01 -2.36 0.01 -0.02 0.06 0.07 0.01 -0.09 0.00 0.03 0.01 -0.02 -0.02 -0.02 -0.04 -0.09	0.07 0.07 0.00 0.83 0.02 0.04 0.07 0.00 0.05 0.02 0.01 0.00 Global 0.80 0.02 0.04 0.07 0.07	0.17 1.55 2.15 -2.85 0.33 -0.36 0.83 1.05 1.52 -1.86 0.18 2.24 2.26 -1.07 -5.85 -1.22 -1.71 -0.59	978.9 1528.1 1433.5 807.8 2289.0 1380.6 1033.5 1447.4 1928.2 1899.0 494.8 2233.7 usivity (M 1407.9 917.7 2298.7 1049.6 776.6 1162.3	0.121 0.031 0.004 0.744 0.723 0.408 0.296 0.128 0.063 0.860 0.020 0.024 0.028 0.000 0.221 0.088 0.553	0.869 0.194 0.050 0.016 0.812 0.731 0.466 0.297 0.171 0.084 0.860 0.027 0.032 0.018 0.458 0.000 0.354 0.194 0.632	-0.13 -0.03 0.00 -3.98 -0.04 -0.10 -0.08 -0.06 0.00 -0.19 -0.04 0.00 -0.51 -0.07 -0.32 -0.22 -0.24 -0.01	0.15 0.23 0.01 -0.74 0.06 0.07 0.20 0.20 0.01 0.05 0.05 0.02 -0.16 0.05 0.02	model Fully adjusted model Base (\mathbb{R}^2 = .02) (\mathbb{R}^2	Age at MRI Age delta Height (Intercept) DBP (z-score) Female sex Age at MRI Age delta Height Non-European ethnicity BMI (z-score) Parental education Maternal age (Intercept) DBP (z-score) Female sex Age at MRI Age delta Height (Intercept)	0.01 0.10 0.01 -2.40 0.00 -0.01 0.06 0.07 0.01 -0.09 0.01 0.03 0.01 -0.02 -0.02 -0.24 -0.09 -0.11 0.00	0.07 0.07 0.00 0.82 0.02 0.04 0.07 0.00 0.05 0.02 0.01 0.00 Global r 0.79 0.02 0.04 0.07 0.07 0.00 0.81	0.17 1.55 2.19 -2.94 -0.03 0.84 1.03 1.63 -1.85 0.29 2.32 2.25 mean diffu 2.80 -1.00 -5.78 -1.24 -1.68 -0.85	1376.6 1037.9 1519.5 1527.0 648.9 2282.9 1401.7 1071.3 1387.9 1902.9 1765.7 501.0 2230.2 230.2 245.0 385.4 2291.8 1000.9 743.7 1243.2	0.863 0.121 0.028 0.003 0.941 0.752 0.403 0.302 0.104 0.065 0.775 0.021 0.025 0.306 0.316 0.306 0.316 0.306 0.316 0.306 0.316 0.306 0.316	0.863 0.194 0.045 0.012 0.941 0.772 0.461 0.302 0.139 0.087 0.775 0.028 0.033 0.013 0.475 0.000 0.344 0.194 0.454	-0.12 -0.03 0.00 -4.00 -0.05 -0.10 -0.06 0.00 -0.19 -0.04 0.00 -0.07 -0.32 -0.22 -0.24 -0.01	0.23 0.01 -0.80 0.04 0.07 0.20 0.01 0.05 0.05 0.02 3.74 0.02 -0.16 0.05 0.02
Base model Fully adjusted model Base R ² = .03) (R ² = .02) (R ² = .02)	Age at MRI Age delta Height (Intercept) SBP (z-score) Female sex Age at MRI Age delta Height Non-European ethnicity BMI (z-score) Parental education Maternal age (Intercept) SBP (z-score) Female sex Age at MRI Age delta Height (Intercept) SBP (z-score)	0.01 0.10 0.01 -2.36 0.01 -0.02 0.06 0.07 0.01 -0.09 0.00 0.03 0.01 -0.02 -0.24 -0.09 -0.11 0.00 -0.02 -0.02	0.07 0.07 0.00 0.83 0.02 0.07 0.07 0.07 0.07 0.00 0.05 0.02 0.01 0.00 0.00 0.00 0.00 0.00 0.00	0.17 1.55 2.15 -2.85 0.33 -0.36 0.83 1.05 1.52 -1.86 0.18 2.34 2.26 mean diffi 2.60 -1.07 -5.85 -1.22 -1.71 -0.59 2.47	978.9 1528.1 1433.5 807.8 2289.0 1380.6 1033.5 1447.4 1928.2 1899.0 494.8 2233.7 usivity (M 1407.9 917.7 2298.7 1049.6 776.6 1162.3	0.121 0.031 0.004 0.744 0.723 0.408 0.296 0.128 0.063 0.860 0.020 0.024 0.024 0.024 0.022 0.024 0.003 0.286 0.000 0.221 0.088 0.553	0.869 0.194 0.050 0.016 0.812 0.731 0.466 0.297 0.171 0.084 0.860 0.027 0.032 0.018 0.458 0.000 0.354 0.194 0.632 0.022	-0.13 -0.03 0.00 -3.98 -0.04 -0.10 -0.08 -0.06 0.00 -0.19 -0.04 0.00 0.00 -0.51 -0.07 -0.32 -0.22 -0.22 -0.24 -0.01	0.15 0.23 0.01 -0.74 0.06 0.07 0.20 0.20 0.01 0.05 0.05 0.02 -0.16 0.05 0.02 -0.16 0.05 0.02 0.01 3.63	Base model Fully adjusted model Base ($\mathbb{R}^2=.03$) ($\mathbb{R}^2=.02$) (\mathbb{R}^2	Age at MRI Age delta Height (Intercept) DBP (z-score) Female sex Age at MRI Age delta Height Non-European ethnicity BMI (z-score) Parental education Maternal age (Intercept) DBP (z-score) Female sex Age at MRI Age delta Height (Intercept) DBP (z-score)	0.01 0.10 0.01 -2.40 0.00 -0.01 0.06 0.07 0.01 0.03 0.01 2.20 -0.02 -0.02 -0.02 -0.09 -0.00 -0.00 -0.00	0.07 0.07 0.00 0.82 0.02 0.04 0.07 0.05 0.02 0.01 0.00 Global ii 0.79 0.02 0.04 0.07 0.00 0.81 0.02	0.17 1.55 2.19 -2.94 -0.08 -0.32 0.84 1.03 1.63 -1.85 0.29 2.32 2.25 Penan diffu 2.80 -1.00 -5.78 -1.24 -1.68 -0.85 2.56 -0.92	1376.6 1037.9 1519.5 1527.0 648.9 2282.9 1401.7 1071.3 1387.9 1765.7 501.0 2230.2 1sivity (MI 1452.0 385.4 2291.8 1000.9 743.7 1243.2 1594.1 392.0	0.863 0.121 0.028 0.003 0.941 0.005 0.003 0.004 0.005 0.775 0.021 0.0025 0.005 0.316 0.000 0.215 0.094 0.397 0.005	0.863 0.194 0.045 0.012 0.941 0.772 0.461 0.302 0.139 0.087 0.775 0.028 0.033 0.013 0.475 0.000 0.344 0.194 0.454 0.020	-0.12 -0.03 0.00 -4.00 -0.05 -0.10 -0.08 -0.06 0.00 -0.19 -0.04 0.00 0.00 -0.22 -0.22 -0.22 -0.24 -0.01	0.23 0.01 -0.80 0.04 0.07 0.20 0.01 0.05 0.05 0.02 -0.16 0.05 0.02 -0.16 0.05 0.02
Base model Fully adjusted model Base R ² = .03) (R ² = .02) (R ² = .02) (R ² = .02)	Age at MRI Age delta Height (Intercept) SBP (z-score) Female sex Age at MRI Age delta Height Non-European ethnicity BMI (z-score) Parental education Maternal age (Intercept) SBP (z-score) Female sex Age at MRI Age delta Height (Intercept) SBP (z-score)	0.01 0.10 0.01 -2.36 0.01 -0.02 0.06 0.07 0.01 -0.09 0.00 0.03 0.01 -0.02 -0.24 -0.09 -0.11 0.00 -0.02 -0.02 -0.02 -0.02	0.07 0.07 0.00 0.83 0.04 0.07 0.00 0.00 0.00 0.00 0.00 0.00	0.17 1.55 2.15 -2.85 0.33 -0.36 0.83 1.05 1.52 -1.86 0.18 2.34 2.26 mean diffi 2.60 -1.07 -5.85 -1.22 -1.71 -0.59 -2.47 -0.62 -5.92	978.9 1528.1 1433.5 807.8 2289.0 1380.6 1033.5 1447.4 1928.2 1899.0 494.8 2233.7 usivity (M 1407.9 917.7 2298.7 1049.6 776.6 1162.3 1555.0 834.2 2294.2	0.121 0.031 0.004 0.744 0.723 0.408 0.296 0.128 0.063 0.002 0.024 D) 0.009 0.226 0.000 0.221 0.088 0.553 0.014 0.535	0.869 0.194 0.050 0.016 0.812 0.731 0.466 0.297 0.171 0.084 0.860 0.027 0.032 0.018 0.458 0.000 0.354 0.194 0.632 0.022 0.713 0.000	-0.13 -0.03 0.00 -3.98 -0.04 -0.10 -0.08 -0.06 0.00 -0.19 -0.04 0.00 0.00 -0.07 -0.32 -0.22 -0.24 -0.01 0.42	0.15 0.23 0.01 -0.74 0.06 0.07 0.20 0.20 0.01 0.05 0.05 0.02 -0.16 0.05 0.02 -0.16 0.05 0.02 -0.16 0.05 0.02 -0.16 0.05 0.02 -0.16	Base model Fully adjusted model Base ($\mathbb{R}^2=.03$) ($\mathbb{R}^2=.02$) (\mathbb{R}^2	Age at MRI Age delta Height (Intercept) DBP (z-score) Female sex Age at MRI Age delta Height Non-European ethnicity BMI (z-score) Parental education Maternal age (Intercept) DBP (z-score) Female sex Age at MRI Age delta Height (Intercept) DBP (z-score) Female sex Age at MRI Age delta Height (Intercept) DBP (z-score)	0.01 0.10 0.01 -2.40 0.00 0.00 0.01 0.06 0.07 0.01 -0.09 0.01 0.03 0.01 2.20 -0.02 -0.24 -0.09 -0.11 0.00 -0.01	0.07 0.00 0.82 0.04 0.07 0.00 0.05 0.00 0.05 0.05 0.01 0.00 0.05 0.05	0.17 1.55 2.19 -2.94 -0.08 -0.32 0.84 1.03 1.63 -1.85 0.29 2.32 2.25 mean diffu 2.80 -1.00 -5.78 -1.24 -1.68 -0.85 -0.92 -0.92 -0.584	1376.6 1037.9 1519.5 1527.0 648.9 2282.9 1401.7 1071.3 1387.9 1902.9 1765.7 501.0 2230.2 usivity (MI 1452.0 385.4 2291.8 1000.9 743.7 1243.2 1594.1 392.0 2287.3	0.863 0.121 0.028 0.003 0.941 0.752 0.403 0.302 0.104 0.025 0.005 0.005 0.005 0.006 0.000 0.215 0.094 0.090 0.316 0.090 0.390 0.306 0.000 0.306 0.000 0.306 0.000 0.306 0.000 0.306 0.000 0.306 0.000	0.863 0.194 0.045 0.012 0.941 0.772 0.461 0.302 0.139 0.087 0.775 0.028 0.033 0.013 0.475 0.000 0.344 0.194 0.494 0.420 0.475	-0.12 -0.03 0.00 -4.00 -0.05 -0.10 -0.08 -0.06 0.00 -0.19 -0.04 0.00 0.00 -0.07 -0.32 -0.22 -0.24 -0.07 -0.32	0.23 0.01 -0.80 0.04 0.07 0.20 0.20 0.01 0.05 0.05 0.02 -0.16 0.05 0.02 -0.16 0.05 0.02 -0.16 0.05 0.00 -0.00 0
Base model Fully adjusted model Base R ² = .03) (R ² = .02) (R ² = .02) (R ² = .02)	Age at MRI Age delta Height (Intercept) SBP (z-score) Female sex Age at MRI Age delta Height Non-European ethnicity BMI (z-score) Parental education Maternal age (Intercept) SBP (z-score) Female sex Age at MRI Age delta Height (Intercept) SBP (z-score) Female sex Age at MRI Age delta Height (Intercept) SBP (z-score) Female sex Age at MRI Age delta	0.01 0.10 0.01 -2.36 0.01 -0.02 0.06 0.07 0.01 -0.09 0.00 0.03 0.01 2.08 -0.02 -0.24 -0.09 -0.11 0.00 -0.02 -0.24 -0.09 -0.02	0.07 0.07 0.00 0.83 0.04 0.07 0.00 0.05 0.02 0.01 0.00 0.05 0.02 0.04 0.07 0.00 0.05 0.00 0.00 0.00 0.00 0.00	0.17 1.55 2.15 -2.85 0.33 -0.36 0.83 1.05 1.52 -1.86 0.18 2.34 2.26 mean difff -1.07 -5.85 -1.22 -1.71 -0.59 2.47 -0.62 -5.92 -1.26	978.9 1528.1 1433.5 807.8 2289.0 1380.6 1033.5 1447.4 1928.2 1899.0 494.8 2233.7 usivity (M 1407.9 917.7 1049.6 776.6 1162.3 1555.0 834.2 2294.2	0.121 0.031 0.004 0.744 0.723 0.408 0.296 0.128 0.063 0.860 0.020 0.024 D) 0.009 0.286 0.553 0.014 0.535 0.000 0.209	0.869 0.194 0.050 0.016 0.812 0.731 0.466 0.297 0.171 0.084 0.860 0.027 0.032 0.018 0.458 0.000 0.354 0.194 0.632 0.022 0.0713 0.000 0.354	-0.13 -0.03 0.00 -3.98 -0.04 -0.10 -0.08 -0.06 0.00 -0.19 -0.04 0.00 0.00 -0.01 -0.07 -0.32 -0.22 -0.24 -0.01 0.46 -0.33 -0.23	0.15 0.23 0.01 -0.74 0.06 0.07 0.20 0.20 0.01 0.05 0.05 0.02 -0.16 0.05 0.02 0.01 3.63 0.03 -0.16 0.05	Base model Fully adjusted model Base ($\mathbb{R}^2=.03$) ($\mathbb{R}^2=.02$) (\mathbb{R}^2	Age at MRI Age delta Height (Intercept) DBP (z-score) Female sex Age at MRI Age delta Height Non-European ethnicity BMI (z-score) Parental education Maternal age (Intercept) DBP (z-score) Female sex Age at MRI Age delta Height (Intercept) DBP (z-score) Female sex Age at MRI Age delta Height (Intercept) DBP (z-score) Female sex Age at MRI	0.01 0.10 0.01 -2.40 0.00 0.01 0.06 0.07 0.01 -0.03 0.01 2.20 -0.02 -0.24 -0.09 -0.11 0.00 -0.01	0.07 0.00 0.82 0.02 0.02 0.07 0.00 0.07 0.00 0.05 0.01 0.00 0.05 0.01 0.00 0.07 0.07 0.00 0.07 0.07 0.00 0.07 0.07 0.00 0.07 0.00 0.01 0.00 0.01 0.00 0.01 0.00 0.01 0.00 0.01 0.00 0.01 0.00 0.01 0.00 0.01 0.00 0.01 0.00 0.01 0.00 0.01	0.17 1.55 2.19 -2.94 -0.032 0.84 1.03 1.63 -1.85 0.29 2.32 2.25 mean diffu 2.80 -1.00 -5.78 -1.24 -1.68 -0.85 2.56 -0.92 -5.84 -1.26	1376.6 1037.9 1519.5 1527.0 648.9 1401.7 1071.3 1387.9 1902.9 2230.2 Isivity (MI 1452.0 385.4 2291.8 1000.9 743.7 1243.2 1594.1 392.0 2287.3 998.9	0.863 0.121 0.028 0.003 0.941 0.752 0.403 0.302 0.104 0.065 0.0775 0.021 0.025 0.316 0.306 0.316 0.309 0.316 0.300 0.316 0.300 0.316 0.300 0.316 0.300 0.316 0.300 0.316 0.300 0.316 0.300 0.316 0.300 0.316	0.863 0.194 0.045 0.012 0.941 0.772 0.461 0.302 0.139 0.087 0.775 0.028 0.033 0.013 0.475 0.000 0.344 0.194 0.455 0.020 0.475 0.000 0.475 0.000 0.475	-0.12 -0.03 0.00 -4.00 -0.05 -0.10 -0.08 -0.06 0.00 -0.19 -0.04 0.00 0.00 -0.07 -0.32 -0.22 -0.24 -0.01 0.07	0.23 0.01 -0.80 0.04 0.07 0.20 0.01 0.05 0.05 0.02 -0.16 0.05 0.02 -0.06 0.05 0.02
Base model Fully adjusted model Base R ² = .03) (R ² = .02) (R ² = .02) (R ² = .02)	Age at MRI Age delta Height (Intercept) SBP (z-score) Female sex Age at MRI Age delta Height Non-European ethnicity BMI (z-score) Parental education Maternal age (Intercept) SBP (z-score) Female sex Age at MRI Age delta Height (Intercept) SBP (z-score)	0.01 0.10 0.01 -2.36 0.01 -0.02 0.06 0.07 0.01 -0.09 0.00 0.03 0.01 -0.02 -0.24 -0.09 -0.11 0.00 -0.02 -0.02 -0.02 -0.02	0.07 0.07 0.00 0.83 0.04 0.07 0.00 0.00 0.00 0.00 0.00 0.00	0.17 1.55 2.15 -2.85 0.33 -0.36 0.83 1.05 1.52 -1.86 0.18 2.34 2.26 mean diffi 2.60 -1.07 -5.85 -1.22 -1.71 -0.59 -2.47 -0.62 -5.92	978.9 1528.1 1433.5 807.8 2289.0 1380.6 1033.5 1447.4 1928.2 1899.0 494.8 2233.7 usivity (M 1407.9 917.7 2298.7 1049.6 776.6 1162.3 1555.0 834.2 2294.2	0.121 0.031 0.004 0.744 0.723 0.408 0.296 0.128 0.063 0.002 0.024 D) 0.009 0.226 0.000 0.221 0.088 0.553 0.014 0.535	0.869 0.194 0.050 0.016 0.812 0.731 0.466 0.297 0.171 0.084 0.860 0.027 0.032 0.018 0.458 0.000 0.354 0.194 0.632 0.022 0.713 0.000	-0.13 -0.03 0.00 -3.98 -0.04 -0.10 -0.08 -0.06 0.00 -0.19 -0.04 0.00 0.00 -0.07 -0.32 -0.22 -0.24 -0.01 0.42 -0.06	0.15 0.23 0.01 -0.74 0.06 0.07 0.20 0.20 0.01 0.05 0.05 0.02 -0.16 0.05 0.02 -0.16 0.05 0.02 -0.16 0.05 0.02 -0.16 0.05 0.02 -0.16	Base model Fully adjusted model Base ($\mathbb{R}^2=.03$) ($\mathbb{R}^2=.02$) (\mathbb{R}^2	Age at MRI Age delta Height (Intercept) DBP (z-score) Female sex Age at MRI Age delta Height Non-European ethnicity BMI (z-score) Parental education Maternal age (Intercept) DBP (z-score) Female sex Age at MRI Age delta Height Untercept) DBP (z-score) Female sex Age at MRI Age delta Height (Intercept) DBP (z-score) Female sex Age at MRI	0.01 0.10 0.01 -2.40 0.00 0.00 0.01 0.06 0.07 0.01 -0.09 0.01 0.03 0.01 2.20 -0.02 -0.24 -0.09 -0.11 0.00 -0.01	0.07 0.00 0.82 0.04 0.07 0.00 0.05 0.00 0.05 0.05 0.01 0.00 0.05 0.05	0.17 1.55 2.19 -2.94 -0.08 -0.32 0.84 1.03 1.63 -1.85 0.29 2.32 2.25 mean diffu 2.80 -1.00 -5.78 -1.24 -1.68 -0.85 -0.92 -0.92 -0.584	1376.6 1037.9 1519.5 1527.0 648.9 2282.9 1401.7 1071.3 1387.9 1902.9 1765.7 501.0 2230.2 usivity (MI 1452.0 385.4 2291.8 1000.9 743.7 1243.2 1594.1 392.0 2287.3	0.863 0.121 0.028 0.003 0.941 0.752 0.403 0.302 0.104 0.025 0.005 0.005 0.005 0.006 0.000 0.215 0.094 0.090 0.316 0.090 0.390 0.306 0.000 0.306 0.000 0.306 0.000 0.306 0.000 0.306 0.000 0.306 0.000	0.863 0.194 0.045 0.012 0.941 0.772 0.461 0.302 0.139 0.087 0.775 0.028 0.033 0.013 0.475 0.000 0.344 0.194 0.494 0.420 0.475	-0.12 -0.03 0.00 -4.00 -0.05 -0.10 -0.08 -0.06 0.00 -0.19 -0.04 0.00 0.00 -0.07 -0.32 -0.22 -0.24 -0.07 -0.32	0.23 0.01 -0.80 0.04 0.07 0.20 0.20 0.01 0.05 0.05 0.02 -0.16 0.05 0.02 -0.16 0.05 0.02
Base model Fully adjusted model Base R ² = .03) (R ² = .02) (R ² = .02)	Age at MRI Age delta Height (Intercept) SBP (z-score) Female sex Age at MRI Age delta Height Non-European ethnicity BMI (z-score) Parental education Maternal age (Intercept) SBP (z-score) Female sex Age at MRI Age delta Height (Intercept) SBP (z-score) Female sex Age at MRI Age delta Height (Intercept) SBP (z-score) Female sex Age at MRI Age delta Height (Intercept) SBP (z-score) Female sex Age at MRI Age delta	0.01 0.10 0.01 -2.36 0.01 -0.02 0.06 0.07 0.01 -0.09 0.00 0.03 0.01 2.08 -0.02 -0.24 -0.09 -0.11 0.00 2.02 -0.24 -0.09 -0.11	0.07 0.07 0.00 0.83 0.04 0.07 0.00 0.05 0.01 0.00 0.05 0.01 0.00 0.00	0.17 1.55 2.15 -2.85 0.33 -0.36 0.83 1.05 1.52 -1.86 0.18 2.34 2.26 mean diff 2.60 -1.07 -5.85 -1.22 -1.71 -0.59 2.47 -0.62 -5.92 -1.26 -1.64	978.9 1528.1 1433.5 807.8 2289.0 1380.6 1033.5 1447.4 1928.2 1899.0 494.8 2233.7 usivity (M 1407.9 917.7 2298.7 1049.6 776.6 1162.3 1555.0 834.2 2294.2 1023.1 753.2	0.121 0.031 0.004 0.744 0.723 0.408 0.296 0.128 0.063 0.860 0.020 0.024 D) 0.009 0.286 0.000 0.221 0.088 0.553 0.014 0.535 0.000 0.209 0.101	0.869 0.194 0.050 0.016 0.812 0.731 0.466 0.297 0.171 0.084 0.860 0.027 0.032 0.018 0.458 0.000 0.354 0.194 0.632 0.022 0.713 0.000 0.354 0.194	-0.13 -0.03 -0.00 -3.98 -0.04 -0.10 -0.08 -0.06 -0.09 -0.09 -0.04 -0.00 -0.00 -0.00 -0.22 -0.22 -0.24 -0.01 -0.33 -0.23 -0.24	0.15 0.23 0.01 -0.74 0.06 0.07 0.20 0.20 0.01 0.01 0.05 0.02 -0.16 0.05 0.02 0.01 3.63 0.03 -0.16 0.05 0.02	adjusted model Base model Fully adjusted model Base $(R^2=.03)$ $(R^2=.03)$ $(R^2=.02)$ $(R^2=.02)$	Age at MRI Age delta Height (Intercept) DBP (z-score) Female sex Age at MRI Age delta Height Non-European ethnicity BMI (z-score) Parental education Maternal age (Intercept) DBP (z-score) Female sex Age at MRI Age delta Height (Intercept) DBP (z-score) Female sex Age at MRI Age delta Height (Intercept) DBP (z-score) Female sex Age at MRI	0.01 0.10 0.01 -2.40 0.00 -0.01 0.06 0.07 0.01 -0.03 0.01 2.20 -0.24 -0.09 -0.11 0.00 2.08 -0.02 -0.24 -0.09 -0.11	0.07 0.07 0.00 0.82 0.02 0.02 0.07 0.00 0.07 0.00 0.05 0.01 0.00 0.07 0.00 0.07 0.00 0.07 0.00 0.07 0.00 0.07 0.00 0.07 0.00 0.01 0.00 0.07 0.00 0.01 0.00 0.01 0.00 0.07 0.00 0.01 0.00 0.01 0.00 0.00	0.17 1.55 2.19 -2.94 -0.032 0.84 1.03 1.63 -1.85 0.29 2.32 2.25 mean diffu 2.80 -1.00 -5.78 -1.24 -1.68 -0.85 2.56 -0.92 -0.85 -0.95	1376.6 1037.9 1519.5 1527.0 648.9 1401.7 1071.3 1387.9 1902.9 1765.7 501.0 2230.2 usivity (ME 1452.0 385.4 2291.8 1000.9 743.7 1243.2 1594.1 392.0 2287.3 998.9 739.0	0.863 0.121 0.028 0.003 0.941 0.752 0.403 0.302 0.104 0.065 0.021 0.025 0.005 0.316 0.000 0.215 0.094 0.397 0.010 0.356 0.302 0.000 0.215 0.004 0.005 0.000 0.215 0.004 0.005 0.000 0.215 0.004 0.005 0.000 0.215 0.004 0.005 0.000 0.005 0.000	0.863 0.194 0.045 0.012 0.941 0.772 0.461 0.302 0.139 0.087 0.775 0.028 0.033 0.013 0.475 0.000 0.344 0.194 0.454	-0.12 -0.03 0.00 -4.00 -0.05 -0.10 -0.08 -0.06 0.00 -0.19 -0.04 0.00 -0.07 -0.32 -0.22 -0.24 -0.01 0.49 -0.07 -0.32 -0.23 -0.23	0.23 0.01 -0.80 0.04 0.07 0.20 0.20 0.01 0.01 0.05 0.02 -0.16 0.02 0.00
Fully adjusted model Base model Base model Base $(R^2=.03)$ $(R^2=.02)$ $(R^2=.02)$ $(R^3$	Age at MRI Age delta Height (Intercept) SBP (z-score) Female sex Age at MRI Age delta Height Non-European ethnicity BMI (z-score) Parental education Maternal age (Intercept) SBP (z-score) Female sex Age at MRI Age delta Height (Intercept) SBP (z-score) Female sex Age at MRI Age delta Height (Intercept) SBP (z-score) Female sex Age at MRI Age delta Height Age delta Age delta Age delta Age delta Age delta Age delta	0.01 0.10 0.01 -2.36 0.01 -0.02 0.06 0.07 0.01 -0.09 0.00 0.03 0.01 -0.02 -0.24 -0.09 -0.11 0.00 2.02 -0.24 -0.09 -0.11 0.00	0.07 0.07 0.00 0.83 0.02 0.07 0.00 0.05 0.01 0.00 0.05 0.01 0.00 0.00	0.17 1.55 2.15 -2.85 0.33 -0.36 0.83 1.05 1.52 -1.86 0.18 2.34 2.26 mean diffi 2.60 -1.07 -5.85 -1.22 -1.71 -0.59 2.47 -0.62 -5.92 -1.26 -1.64 -0.27	978.9 1528.1 1433.5 807.8 2289.0 1380.6 1033.5 1447.4 1928.2 1899.0 494.8 2233.7 usivity (M 1407.9 917.7 2298.7 1049.6 776.6 1162.3 1555.0 834.2 2294.2 1023.1 753.2 1164.5	0.121 0.031 0.004 0.744 0.723 0.408 0.296 0.128 0.063 0.860 0.022 0.024 D) 0.009 0.286 0.000 0.221 0.088 0.553 0.014 0.535 0.000 0.209 0.101 0.785	0.869 0.194 0.050 0.016 0.812 0.731 0.466 0.297 0.171 0.084 0.860 0.027 0.032 0.018 0.458 0.000 0.354 0.194 0.632 0.022 0.713 0.000 0.354 0.194 0.785	-0.13 -0.03 0.00 -3.98 -0.04 -0.10 -0.08 -0.06 0.00 -0.19 -0.04 0.00 -0.51 -0.07 -0.32 -0.22 -0.24 -0.01 -0.42 -0.06 -0.33 -0.24 -0.01	0.15 0.23 0.01 -0.74 0.06 0.07 0.20 0.20 0.01 0.05 0.05 0.02 -0.16 0.05 0.02 0.01 3.63 0.03 -0.16 0.05 0.02 0.01	Base model Fully adjusted model Base ($\mathbb{R}^2=.03$) ($\mathbb{R}^2=.02$) (\mathbb{R}^2	Age at MRI Age delta Height (Intercept) DBP (z-score) Female sex Age at MRI Age delta Height Non-European ethnicity BMI (z-score) Parental education Maternal age (Intercept) DBP (z-score) Female sex Age at MRI Age delta Height (Intercept) DBP (z-score) Female sex Age at MRI Age delta Height (Intercept) DBP (z-score) Female sex Age at MRI Age delta Height Age delta Age delta Age delta Age delta Age delta	0.01 0.10 0.01 -2.40 0.00 -0.01 0.06 0.07 0.01 -0.09 0.01 2.20 -0.02 -0.24 -0.09 -0.11 0.00 2.08 -0.02 -0.24 -0.09 -0.11 0.00	0.07 0.07 0.00 0.82 0.02 0.07 0.00 0.07 0.00 0.05 0.02 0.01 0.00 0.05 0.02 0.04 0.07 0.07 0.00 0.05 0.02 0.04 0.07 0.07 0.07 0.07 0.07 0.07 0.00 0.81	0.17 1.55 2.19 -2.94 -0.08 -0.32 0.84 1.03 1.63 -1.85 0.29 2.32 2.25 mean difft 2.80 -1.00 -5.78 -1.24 -1.68 -0.85 2.56 -0.92 -5.84 -1.26 -1.63 -0.37	1376.6 1037.9 1519.5 1527.0 648.9 2282.9 1401.7 1071.3 1387.9 1705.7 501.0 2230.2 usivity (MI 1452.0 385.4 2291.8 1000.9 743.7 1243.2 1594.1 392.0 2287.3 998.9 739.0 1260.4	0.863 0.121 0.028 0.003 0.941 0.0752 0.403 0.302 0.104 0.065 0.775 0.021 0.025 0.316 0.000 0.397 0.010 0.356 0.000 0.356 0.000 0.000 0.356 0.000	0.863 0.194 0.045 0.012 0.941 0.772 0.461 0.302 0.139 0.087 0.775 0.028 0.033 0.013 0.475 0.000 0.344 0.194 0.454 0.020 0.475 0.000 0.344 0.194 0.454	-0.12 -0.03 0.00 -4.00 -0.05 -0.10 -0.06 0.00 -0.19 -0.00 0.00 -0.	0.23 0.01 0.04 0.07 0.20 0.20 0.01 0.01 0.05 0.05 0.05 0.02 0.00 0.02 0.00 0.02 0.00 0.02 0.00 0.02 0.00 0 0.00 0.00 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$	Age at MRI Age delta Height (Intercept) SBP (z-score) Female sex Age at MRI Age delta Height Non-European ethnicity BMI (z-score) Parental education Maternal age (Intercept) SBP (z-score) Female sex Age at MRI Age delta Height (Intercept) SBP (z-score) Female sex Age at MRI Age delta Height Age at MRI Age delta Height Age delta Height Non-European ethnicity	0.01 0.10 0.01 -2.36 0.01 -0.02 0.06 0.07 0.01 -0.09 0.00 0.03 0.01 -0.09 -0.24 -0.09 -0.11 0.00 2.02 -0.24 -0.09 -0.00 0.01	0.07 0.07 0.00 0.83 0.02 0.04 0.07 0.00 0.03 0.02 0.01 0.00 0.02 0.04 0.07 0.07 0.00 0.80 0.02 0.04 0.07 0.07 0.00 0.80 0.02 0.04 0.07 0.07 0.00 0.80 0.80 0.02 0.04 0.07 0.07 0.00 0.80 0.00 0.00 0.00 0.00	0.17 1.55 2.15 -2.85 0.33 -0.36 0.83 1.05 1.52 -1.86 2.26 mean diff 2.60 -1.07 -5.85 -1.22 -1.71 -0.59 2.47 -0.62 -5.92 -1.64 -0.27 0.49	978.9 1528.1 1433.5 807.8 2289.0 1380.6 1033.5 1447.4 1928.2 1899.0 494.8 2233.7 1049.6 1162.3 1555.0 834.2 2294.2 1023.1 753.2 1164.5 2064.8	0.121 0.031 0.004 0.744 0.723 0.408 0.296 0.128 0.063 0.860 0.020 0.024 0.009 0.286 0.000 0.221 0.088 0.553 0.014 0.535 0.000 0.201 0.785 0.625	0.869 0.194 0.050 0.016 0.812 0.731 0.466 0.297 0.171 0.084 0.860 0.027 0.032 0.018 0.458 0.000 0.354 0.194 0.632 0.022 0.713 0.000 0.354 0.194 0.785 0.625	-0.13 -0.03 -0.00 -3.98 -0.04 -0.10 -0.08 -0.06 -0.00 -0.19 -0.04 -0.00 -0.00 -0.22 -0.22 -0.22 -0.24 -0.01 -0.06 -0.03 -0.02 -0.01 -0.04 -0.01 -0.05 -0.01	0.15 0.23 0.01 -0.74 0.06 0.07 0.20 0.20 0.01 0.01 0.05 0.05 0.02 -0.16 0.05 0.02 -0.16 0.05 0.02 0.01 3.63 0.03 -0.16 0.05 0.02 0.01 0.12	adjusted model Base model Fully adjusted model Base $(R^2=.03)$ $(R^2=.03)$ $(R^2=.02)$ $(R^2=.02)$	Age at MRI Age delta Height (Intercept) DBP (z-score) Female sex Age at MRI Age delta Height Non-European ethnicity BMI (z-score) Parental education Maternal age (Intercept) DBP (z-score) Female sex Age at MRI Age delta Height (Intercept) DBP (z-score) Female sex Age at MRI Age delta Height Age delta Height Non-European ethnicity	0.01 0.10 0.01 -2.40 0.00 -0.01 0.06 0.07 0.01 0.03 0.01 0.03 0.01 2.20 -0.24 -0.09 -0.11 0.00 2.08 -0.02 -0.24 -0.09 -0.11 0.00 0.00	0.07 0.00 0.82 0.04 0.07 0.00 0.05 0.02 0.01 0.00 0.09 0.01 0.00 0.01 0.00 0.01 0.00 0.01 0.00 0.01 0.00 0.01 0.00 0.01 0.00 0.01 0.00 0.01 0.00 0.01 0.00 0.01 0.00 0.01 0.00 0.01 0.00 0.01 0.00 0.00	0.17 1.55 2.19 -2.94 -0.08 -0.32 0.84 1.03 1.63 -1.85 0.29 2.32 2.25 mean difft 2.80 -1.00 -5.78 -1.24 -1.68 -0.85 2.56 -0.92 -5.84 -1.26 -1.63 -0.37 0.52	1376.6 1037.9 1519.5 1527.0 648.9 2282.9 1401.7 1071.3 1387.9 1765.7 501.0 2230.2 1sivity (MC 1452.0 385.4 2291.8 1000.9 743.7 1243.2 1594.1 392.0 2287.3 998.9 739.0 1260.4 2027.7	0.863 0.121 0.028 0.003 0.941 0.752 0.403 0.302 0.104 0.025 0.775 0.021 0.025 0.316 0.000 0.215 0.094 0.095 0.095 0.095 0.096 0.097 0.010 0.356 0.000 0.207 0.017 0.017 0.017 0.017 0.017 0.017 0.017	0.863 0.194 0.045 0.012 0.941 0.772 0.461 0.302 0.139 0.087 0.775 0.028 0.033 0.475 0.000 0.344 0.194 0.454 0.020 0.475 0.000 0.344 0.194 0.454 0.713 0.000	-0.12 -0.03 0.00 -4.00 -0.05 -0.10 -0.08 -0.06 0.00 -0.19 -0.04 0.00 -0.07 -0.32 -0.22 -0.24 -0.07 -0.32 -0.07	0.23 0.01 -0.80 0.04 0.07 0.20 0.20 0.01 0.01 0.05 0.05 0.02 0.02 0.02 0.02 0.04 0.05

Table S14 - Sensitivity (full sample)

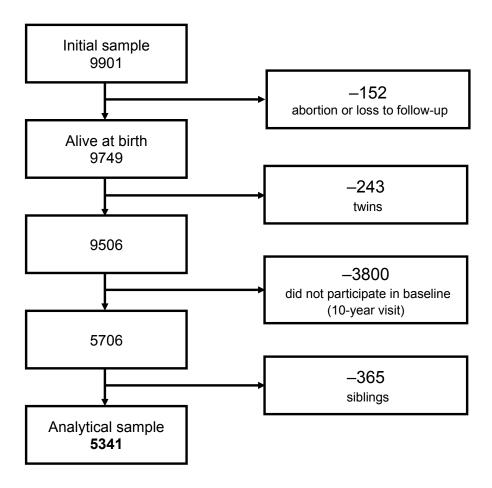
		CAPOTII	O INITIMA	MEDIA TU	IICKNESS	(IMT)						_	APOTID	DISTENSI	DII ITV				
	Predictor	Beta	SE	Statistic		unadjusted	P _{FDR}	LCI	UCI		Predictor	Beta		Statistic		unadjusted	P _{FDR}	LCI	UCI
	T Todiotor	Dota		brain volu		unadjusted	, FDK	201	00.		T Todiotoi	Dota		orain volu		unadjusted	* FDR	201	00.
	(Intercept)	-1.60	0.45	-3.53	161.9	0.001	0.004	-2.50	-0.70		(Intercept)	-1.66	0.46	-3.64	159.5	0.000	0.000	-2.56	-0.76
	IMT (z-score)	0.03	0.02	2.01	58.5	0.050	0.112	0.00	0.06	: model = .11)	Distensibility (z-score)	-0.01	0.01	-0.53	87.8	0.596	0.671	-0.04	0.02
Base model (R ² = .11)	Female sex	-0.61	0.02	-26.26	284.2	0.000	0.000	-0.66	-0.56		Female sex	-0.61	0.02	-26.08	248.6	0.000	0.000	-0.66	-0.57
3ase (R ² :	Age at MRI	-0.06	0.04	-1.59	241.2	0.113	0.224	-0.13	0.01	Base (R² :	Age at MRI	-0.06	0.04	-1.56	240.9	0.119	0.234	-0.13	0.01
ш	Age delta	0.05	0.03	1.53	179.3	0.128	0.588	-0.01	0.11	ω -	Age delta	0.05	0.03	1.53	183.9	0.128	0.588	-0.01	0.11
	Height	0.02	0.00	7.98	71.8	0.000	0.000	0.01	0.02	ъ	Height	0.02	0.00	7.87	64.5	0.000	0.000	0.01	0.02
	(Intercept) IMT (z-score)	-1.97 0.03	0.50	-3.98 2.08	106.2 57.6	0.000	0.000	-2.96 0.00	-0.99 0.06		(Intercept) Distensibility (z-score)	-2.04 -0.01	0.50	-4.09 -0.43	104.2 85.4	0.000	0.000	-3.02 -0.03	-1.05 0.02
-	Female sex	-0.61	0.02	-26.36	269.3	0.042	0.112	-0.66	-0.56		Female sex	-0.61	0.01	-26.14	232.2	0.000	0.000	-0.66	-0.57
Fully adjusted model $(R^2 = .12)$	Age at MRI	-0.02	0.04	-0.47	195.1	0.641	0.641	-0.09	0.06	adjusted model $(R^2 = .12)$	Age at MRI	-0.02	0.04	-0.44	194.4	0.657	0.657	-0.09	0.06
sted r = .12)	Age delta	0.02	0.03	0.54	168.0	0.589	0.838	-0.05	0.08	ted r .12)	Age delta	0.02	0.03	0.54	170.6	0.591	0.849	-0.05	0.08
adjus (R² =	Height	0.02	0.00	7.23	82.9	0.000	0.000	0.01	0.02	adjust (R² =	Height	0.02	0.00	7.17	73.0	0.000	0.000	0.01	0.02
) Mya	Non-European ethnicity	-0.17	0.03	-7.05	358.6	0.000	0.000	-0.22	-0.13	Fully a	Non-European ethnicity	-0.17	0.02	-6.99	366.1	0.000	0.000	-0.22	-0.12
щ	BMI (z-score)	0.03	0.01	2.49	107.8	0.014	0.056	0.01	0.06	Ę	BMI (z-score)	0.03	0.01	2.48	104.1	0.015	0.060	0.01	0.06
	Parental education	0.02	0.01	3.20	83.4	0.002	0.004	0.01	0.03		Parental education	0.02	0.01	3.25	84.8	0.002	0.004	0.01	0.03
Ш	Maternal age	0.01	0.00	1.80	83.5	0.075	0.150	0.00	0.01		Maternal age	0.01	0.00	1.80	84.8	0.076	0.152	0.00	0.01
-	4.4	0.74			ume (GMV		0.400	4.00	0.45		4.1	0.00		atter volu		0.077	0.077	4.00	0.00
	(Intercept) IMT (z-score)	-0.74 0.03	0.45	-1.64 1.96	178.7 49.7	0.102	0.102 0.112	-1.62 0.00	0.15 0.06		(Intercept) Distensibility (z-score)	-0.80 -0.01	0.45	-1.78 -0.59	182.6 130.4	0.077	0.077	-1.68 -0.03	0.09
= .11)	Female sex	-0.61	0.02	-22.84	94.9	0.000	0.000	-0.67	-0.56	model = .11)	Female sex	-0.62	0.03	-22.53	86.6	0.000	0.000	-0.67	-0.56
Base model $(R^2 = .11)$	Age at MRI	-0.01	0.03	-2.59	93.2	0.000	0.000	-0.07	-0.03	se π ?² = .	Age at MRI	-0.02	0.03	-22.57	93.6	0.012	0.000	-0.19	-0.02
Base (R²	Age delta	0.06	0.04	1.47	61.8	0.147	0.588	-0.02	0.14	Base (R² =	Age delta	0.06	0.04	1.47	62.5	0.147	0.588	-0.02	0.14
	Height	0.02	0.00	6.89	59.4	0.000	0.000	0.01	0.02		Height	0.02	0.00	6.84	54.9	0.000	0.000	0.01	0.02
	(Intercept)	-1.23	0.47	-2.61	143.4	0.010	0.026	-2.17	-0.30		(Intercept)	-1.30	0.47	-2.76	147.0	0.007	0.019	-2.22	-0.37
	IMT (z-score)	0.03	0.02	2.09	50.1	0.042	0.112	0.00	0.07		Distensibility (z-score)	-0.01	0.01	-0.62	138.1	0.535	0.671	-0.03	0.02
gel	Female sex	-0.62	0.03	-23.04	93.8	0.000	0.000	-0.67	-0.56	lapo	Female sex	-0.62	0.03	-22.73	85.6	0.000	0.000	-0.67	-0.56
Fully adjusted model (R ² = .13)	Age at MRI	-0.06	0.04	-1.49	96.6	0.140	0.224	-0.14	0.02	adjusted model $(R^2 = .13)$	Age at MRI	-0.06	0.04	-1.47	96.9	0.146	0.234	-0.14	0.02
uste = .1	Age delta	0.02	0.04	0.56	62.8 59.9	0.580	0.838	-0.06 0.01	0.10	usted r =.13)	Age delta	0.02	0.04	0.56	63.5	0.580	0.849	-0.06	0.10 0.02
yadj (Rj	Height Non-European ethnicity	0.01 -0.19	0.00	6.07 -7.32	196.6	0.000	0.000	-0.24	0.02 -0.14	/ adj	Height Non-European ethnicity	0.02 -0.19	0.00	6.05 -7.19	55.2 184.0	0.000	0.000	0.01 -0.24	-0.14
Ē	BMI (z-score)	0.02	0.03	1.79	180.8	0.076	0.152	0.00	0.05	Fully	BMI (z-score)	0.02	0.03	1.80	202.5	0.000	0.146	0.00	0.05
	Parental education	0.02	0.01	3.24	61.8	0.002	0.004	0.01	0.03		Parental education	0.02	0.01	3.29	62.1	0.002	0.004	0.01	0.03
	Maternal age	0.01	0.00	2.40	141.9	0.018	0.072	0.00	0.01		Maternal age	0.01	0.00	2.39	142.2	0.018	0.072	0.00	0.01
			Global fra	actional ar	nisotropy	(FA)						(Global fra	ctional an	isotropy (FA)			
	(Intercept)	-1.03	0.47	-2.19	190.2	0.030	0.037	-1.96	-0.10		(Intercept)	-1.05	0.47	-2.23	191.4	0.027	0.036	-1.98	-0.12
de (IMT (z-score)	0.00	0.01	-0.22	126.9	0.825	0.854	-0.03	0.02	model <.01)	Distensibility (z-score)	0.01	0.02	0.94	72.9	0.351	0.671	-0.02	0.05
Base model (R ² <.01)	Female sex	-0.03 0.04	0.03	-1.15 0.88	132.9 144.1	0.253	0.253 0.434	-0.08 -0.04	0.02	e mode 2 <.01)	Female sex	-0.03 0.04	0.03	-1.21 0.88	137.8 147.7	0.230	0.230 0.434	-0.09 -0.04	0.02 0.11
Base (R ²	Age at MRI Age delta		0.04	0.49	110.7	0.626	0.838	-0.04	0.11	Base (R²	Age at MRI Age delta	0.04	0.04	0.66	114.4	0.636	0.434	-0.04	0.11
	-	0.02		0.10	128.0	0.105		0.00	0.00								0.849		
1	Height	0.02		1.63			0.168	0.00	0.01		Height		0.00	1.66			0.849		0.01
	Height (Intercept)	0.02 0.00 -1.27	0.00	1.63 -2.51	134.9	0.013	0.168	0.00 -2.28	0.01 -0.27		Height (Intercept)	0.00	0.00	1.66	103.4 135.6	0.101	0.849 0.162 0.024	0.00	0.01 -0.28
		0.00	0.00									0.00			103.4	0.101	0.162	0.00	
del	(Intercept)	0.00 -1.27	0.00 0.51	-2.51	134.9	0.013	0.026	-2.28	-0.27	gel	(Intercept)	0.00	0.51	-2.53	103.4 135.6	0.101	0.162 0.024	0.00 -2.29	-0.28
I model	(Intercept) IMT (z-score)	0.00 -1.27 0.00	0.00 0.51 0.01	-2.51 -0.18	134.9 124.5	0.013 0.854	0.026 0.854 0.253 0.308	-2.28 -0.03 -0.08 -0.03	-0.27 0.02 0.02 0.13	l model	(Intercept) Distensibility (z-score)	0.00 -1.29 0.01	0.51 0.02	-2.53 0.90	103.4 135.6 79.0	0.101 0.012 0.373	0.162 0.024 0.671	0.00 -2.29 -0.02	-0.28 0.04 0.02 0.13
sted model <.01)	(Intercept) IMT (z-score) Female sex Age at MRI Age delta	0.00 -1.27 0.00 -0.03 0.05 0.01	0.00 0.51 0.01 0.03 0.04 0.04	-2.51 -0.18 -1.16 1.20 0.21	134.9 124.5 134.2 142.9 114.0	0.013 0.854 0.250 0.231 0.838	0.026 0.854 0.253 0.308 0.838	-2.28 -0.03 -0.08 -0.03 -0.07	-0.27 0.02 0.02 0.13 0.08	isted model <.01)	(Intercept) Distensibility (z-score) Female sex Age at MRI Age delta	0.00 -1.29 0.01 -0.03 0.05 0.01	0.51 0.02 0.03 0.04 0.04	-2.53 0.90 -1.21 1.20 0.19	103.4 135.6 79.0 139.7 146.3 117.9	0.101 0.012 0.373 0.228 0.231 0.849	0.162 0.024 0.671 0.230 0.308 0.849	0.00 -2.29 -0.02 -0.09 -0.03 -0.07	-0.28 0.04 0.02 0.13 0.08
adjusted model (R ² <.01)	(Intercept) IMT (z-score) Female sex Age at MRI Age delta Height	0.00 -1.27 0.00 -0.03 0.05 0.01 0.00	0.00 0.51 0.01 0.03 0.04 0.04 0.00	-2.51 -0.18 -1.16 1.20 0.21 1.47	134.9 124.5 134.2 142.9 114.0 125.7	0.013 0.854 0.250 0.231 0.838 0.144	0.026 0.854 0.253 0.308 0.838 0.192	-2.28 -0.03 -0.08 -0.03 -0.07 0.00	-0.27 0.02 0.02 0.13 0.08 0.01	Pg Jg R 2²	(Intercept) Distensibility (z-score) Female sex Age at MRI Age delta Height	0.00 -1.29 0.01 -0.03 0.05 0.01 0.00	0.51 0.02 0.03 0.04 0.04 0.00	-2.53 0.90 -1.21 1.20 0.19 1.48	103.4 135.6 79.0 139.7 146.3 117.9 103.9	0.101 0.012 0.373 0.228 0.231 0.849 0.141	0.162 0.024 0.671 0.230 0.308 0.849 0.188	0.00 -2.29 -0.02 -0.09 -0.03 -0.07 0.00	-0.28 0.04 0.02 0.13 0.08 0.01
Fully adjusted model (R ² <.01)	(Intercept) IMT (z-score) Female sex Age at MRI Age delta Height Non-European ethnicity	0.00 -1.27 0.00 -0.03 0.05 0.01 0.00 -0.03	0.00 0.51 0.01 0.03 0.04 0.04 0.00 0.03	-2.51 -0.18 -1.16 1.20 0.21 1.47 -1.12	134.9 124.5 134.2 142.9 114.0 125.7 116.0	0.013 0.854 0.250 0.231 0.838 0.144 0.264	0.026 0.854 0.253 0.308 0.838 0.192 0.352	-2.28 -0.03 -0.08 -0.03 -0.07 0.00 -0.09	-0.27 0.02 0.02 0.13 0.08 0.01 0.03	Fully adjusted model (R ² <.01)	(Intercept) Distensibility (z-score) Female sex Age at MRI Age delta Height Non-European ethnicity	0.00 -1.29 0.01 -0.03 0.05 0.01 0.00 -0.03	0.51 0.02 0.03 0.04 0.04 0.00 0.03	-2.53 0.90 -1.21 1.20 0.19 1.48 -1.14	103.4 135.6 79.0 139.7 146.3 117.9 103.9 115.8	0.101 0.012 0.373 0.228 0.231 0.849 0.141 0.259	0.162 0.024 0.671 0.230 0.308 0.849 0.188 0.345	0.00 -2.29 -0.02 -0.09 -0.03 -0.07 0.00 -0.09	-0.28 0.04 0.02 0.13 0.08 0.01 0.03
Fully adjusted model (R ² <.01)	(Intercept) IMT (z-score) Female sex Age at MRI Age delta Height Non-European ethnicity BMI (z-score)	0.00 -1.27 0.00 -0.03 0.05 0.01 0.00 -0.03 0.00	0.00 0.51 0.01 0.03 0.04 0.04 0.00 0.03 0.03	-2.51 -0.18 -1.16 1.20 0.21 1.47 -1.12 -0.07	134.9 124.5 134.2 142.9 114.0 125.7 116.0 64.9	0.013 0.854 0.250 0.231 0.838 0.144 0.264 0.946	0.026 0.854 0.253 0.308 0.838 0.192 0.352 0.946	-2.28 -0.03 -0.08 -0.03 -0.07 0.00 -0.09 -0.03	-0.27 0.02 0.02 0.13 0.08 0.01 0.03 0.03	Fully adjusted model (R ² <.01)	(Intercept) Distensibility (z-score) Female sex Age at MRI Age delta Height Non-European ethnicity BMI (z-score)	0.00 -1.29 0.01 -0.03 0.05 0.01 0.00 -0.03 0.00	0.51 0.02 0.03 0.04 0.04 0.00 0.03 0.02	-2.53 0.90 -1.21 1.20 0.19 1.48 -1.14 0.03	103.4 135.6 79.0 139.7 146.3 117.9 103.9 115.8 69.9	0.101 0.012 0.373 0.228 0.231 0.849 0.141 0.259 0.977	0.162 0.024 0.671 0.230 0.308 0.849 0.188 0.345 0.977	0.00 -2.29 -0.02 -0.09 -0.03 -0.07 0.00 -0.09 -0.03	-0.28 0.04 0.02 0.13 0.08 0.01 0.03 0.03
Fully adjusted model (R ² <.01)	(Intercept) IMT (z-score) Female sex Age at MRI Age delta Height Non-European ethnicity BMI (z-score) Parental education	0.00 -1.27 0.00 -0.03 0.05 0.01 0.00 -0.03 0.00 0.01	0.00 0.51 0.01 0.03 0.04 0.04 0.00 0.03 0.02 0.01	-2.51 -0.18 -1.16 1.20 0.21 1.47 -1.12 -0.07 1.24	134.9 124.5 134.2 142.9 114.0 125.7 116.0 64.9 300.9	0.013 0.854 0.250 0.231 0.838 0.144 0.264 0.946	0.026 0.854 0.253 0.308 0.838 0.192 0.352 0.946 0.287	-2.28 -0.03 -0.08 -0.03 -0.07 0.00 -0.09 -0.03 0.00	-0.27 0.02 0.02 0.13 0.08 0.01 0.03 0.03 0.02	Fully adjusted model (R ² <.01)	(Intercept) Distensibility (z-score) Female sex Age at MRI Age delta Height Non-European ethnicity BMI (z-score) Parental education	0.00 -1.29 0.01 -0.03 0.05 0.01 0.00 -0.03 0.00 0.01	0.51 0.02 0.03 0.04 0.04 0.00 0.03 0.02 0.01	-2.53 0.90 -1.21 1.20 0.19 1.48 -1.14 0.03 1.24	103.4 135.6 79.0 139.7 146.3 117.9 103.9 115.8 69.9 300.9	0.101 0.012 0.373 0.228 0.231 0.849 0.141 0.259 0.977 0.217	0.162 0.024 0.671 0.230 0.308 0.849 0.188 0.345 0.977	0.00 -2.29 -0.02 -0.09 -0.03 -0.07 0.00 -0.09 -0.03 0.00	-0.28 0.04 0.02 0.13 0.08 0.01 0.03 0.03 0.02
Fully adjusted model (R ² <.01)	(Intercept) IMT (z-score) Female sex Age at MRI Age delta Height Non-European ethnicity BMI (z-score)	0.00 -1.27 0.00 -0.03 0.05 0.01 0.00 -0.03 0.00	0.00 0.51 0.01 0.03 0.04 0.04 0.00 0.03 0.02 0.01 0.00	-2.51 -0.18 -1.16 1.20 0.21 1.47 -1.12 -0.07 1.24 1.13	134.9 124.5 134.2 142.9 114.0 125.7 116.0 64.9	0.013 0.854 0.250 0.231 0.838 0.144 0.264 0.946 0.215 0.263	0.026 0.854 0.253 0.308 0.838 0.192 0.352 0.946	-2.28 -0.03 -0.08 -0.03 -0.07 0.00 -0.09 -0.03	-0.27 0.02 0.02 0.13 0.08 0.01 0.03 0.03	Fully adjusted model (R ² <.01)	(Intercept) Distensibility (z-score) Female sex Age at MRI Age delta Height Non-European ethnicity BMI (z-score)	0.00 -1.29 0.01 -0.03 0.05 0.01 0.00 -0.03 0.00	0.51 0.02 0.03 0.04 0.04 0.00 0.03 0.02 0.01 0.00	-2.53 0.90 -1.21 1.20 0.19 1.48 -1.14 0.03	103.4 135.6 79.0 139.7 146.3 117.9 103.9 115.8 69.9 300.9 75.5	0.101 0.012 0.373 0.228 0.231 0.849 0.141 0.259 0.977 0.217 0.265	0.162 0.024 0.671 0.230 0.308 0.849 0.188 0.345 0.977	0.00 -2.29 -0.02 -0.09 -0.03 -0.07 0.00 -0.09 -0.03	-0.28 0.04 0.02 0.13 0.08 0.01 0.03 0.03
Fully adjusted model (R ² <.01)	(Intercept) IMT (z-score) Female sex Age at MRI Age delta Height Non-European ethnicity BMI (z-score) Parental education	0.00 -1.27 0.00 -0.03 0.05 0.01 0.00 -0.03 0.00 0.01	0.00 0.51 0.01 0.03 0.04 0.04 0.00 0.03 0.02 0.01 0.00	-2.51 -0.18 -1.16 1.20 0.21 1.47 -1.12 -0.07 1.24 1.13	134.9 124.5 134.2 142.9 114.0 125.7 116.0 64.9 300.9 75.2	0.013 0.854 0.250 0.231 0.838 0.144 0.264 0.946 0.215 0.263	0.026 0.854 0.253 0.308 0.838 0.192 0.352 0.946 0.287	-2.28 -0.03 -0.08 -0.03 -0.07 0.00 -0.09 -0.03 0.00	-0.27 0.02 0.02 0.13 0.08 0.01 0.03 0.03 0.02	Fully adjusted model (R ² <.01)	(Intercept) Distensibility (z-score) Female sex Age at MRI Age delta Height Non-European ethnicity BMI (z-score) Parental education Maternal age (Intercept)	0.00 -1.29 0.01 -0.03 0.05 0.01 0.00 -0.03 0.00 0.01	0.51 0.02 0.03 0.04 0.04 0.00 0.03 0.02 0.01 0.00	-2.53 0.90 -1.21 1.20 0.19 1.48 -1.14 0.03 1.24 1.12	103.4 135.6 79.0 139.7 146.3 117.9 103.9 115.8 69.9 300.9 75.5	0.101 0.012 0.373 0.228 0.231 0.849 0.141 0.259 0.977 0.217 0.265	0.162 0.024 0.671 0.230 0.308 0.849 0.188 0.345 0.977	0.00 -2.29 -0.02 -0.09 -0.03 -0.07 0.00 -0.09 -0.03 0.00	-0.28 0.04 0.02 0.13 0.08 0.01 0.03 0.03 0.02
	(Intercept) IMT (z-score) Female sex Age at MRI Age delta Height Non-European ethnicity BMI (z-score) Parental education Maternal age (Intercept) IMT (z-score)	0.00 -1.27 0.00 -0.03 0.05 0.01 0.00 -0.03 0.00 0.01 0.00	0.00 0.51 0.01 0.03 0.04 0.04 0.00 0.03 0.02 0.01 0.00 Global I	-2.51 -0.18 -1.16 1.20 0.21 1.47 -1.12 -0.07 1.24 1.13 mean diffu	134.9 124.5 134.2 142.9 114.0 125.7 116.0 64.9 300.9 75.2 usivity (MI	0.013 0.854 0.250 0.231 0.838 0.144 0.264 0.946 0.215 0.263 0) 0.030 0.825	0.026 0.854 0.253 0.308 0.838 0.192 0.352 0.946 0.287 0.351 0.037	-2.28 -0.03 -0.08 -0.03 -0.07 0.00 -0.09 -0.03 0.00 0.00 -1.96 -0.03	-0.27 0.02 0.02 0.13 0.08 0.01 0.03 0.03 0.02 0.01 -0.10 0.02	Fully	(Intercept) Distensibility (z-score) Female sex Age at MRI Age delta Height Non-European ethnicity BMI (z-score) Parental education Maternal age (Intercept) Distensibility (z-score)	0.00 -1.29 0.01 -0.03 0.05 0.01 0.00 -0.03 0.00 0.01 0.00	0.51 0.02 0.03 0.04 0.04 0.00 0.03 0.02 0.01 0.00 Global r 0.55	-2.53 0.90 -1.21 1.20 0.19 1.48 -1.14 0.03 1.24 1.12 nean diffu 2.36 -1.04	103.4 135.6 79.0 139.7 146.3 117.9 103.9 115.8 69.9 300.9 75.5 sisivity (ME 75.3	0.101 0.012 0.373 0.228 0.231 0.849 0.141 0.259 0.977 0.217 0.265	0.162 0.024 0.671 0.230 0.308 0.849 0.188 0.345 0.977 0.289 0.353	0.00 -2.29 -0.02 -0.09 -0.03 -0.07 0.00 -0.09 -0.03 0.00 0.00	0.04 0.02 0.13 0.08 0.01 0.03 0.03 0.02 0.01
	(Intercept) IMT (z-score) Female sex Age at MRI Age delta Height Non-European ethnicity BMI (z-score) Parental education Maternal age (Intercept) IMT (z-score) Female sex	0.00 -1.27 0.00 -0.03 0.05 0.01 0.00 -0.03 0.00 0.01 0.00 -1.03 0.00 -1.03	0.00 0.51 0.01 0.03 0.04 0.04 0.00 0.03 0.02 0.01 0.00 Global 0.47 0.01	-2.51 -0.18 -1.16 1.20 0.21 1.47 -1.12 -0.07 1.24 1.13 mean diffu -2.19 -0.22 -1.15	134.9 124.5 134.2 142.9 114.0 125.7 116.0 64.9 300.9 75.2 usivity (MI 190.2 126.9 132.9	0.013 0.854 0.250 0.231 0.838 0.144 0.264 0.215 0.263 0.30 0.825 0.253	0.026 0.854 0.253 0.308 0.838 0.192 0.352 0.946 0.287 0.351 0.037 0.854 0.253	-2.28 -0.03 -0.08 -0.03 -0.07 0.00 -0.09 -0.03 0.00 -1.96 -0.03 -0.08	-0.27 0.02 0.02 0.13 0.08 0.01 0.03 0.03 0.02 0.01 -0.10 0.02 0.02	model Fully :.01)	(Intercept) Distensibility (z-score) Female sex Age at MRI Age delta Height Non-European ethnicity BMI (z-score) Parental education Maternal age (Intercept) Distensibility (z-score) Female sex	0.00 -1.29 0.01 -0.03 0.05 0.01 0.00 -0.03 0.00 0.01 0.00 -1.30 -0.01 -0.11	0.51 0.02 0.03 0.04 0.04 0.00 0.03 0.02 0.01 0.00 Global r 0.55 0.01	-2.53 0.90 -1.21 1.20 0.19 1.48 -1.14 0.03 1.24 1.12 nean diffu 2.36 -1.04 -4.21	103.4 135.6 79.0 139.7 146.3 117.9 103.9 115.8 69.9 300.9 75.5 sivity (ME 75.3 203.6	0.101 0.012 0.373 0.228 0.231 0.849 0.141 0.259 0.977 0.217 0.265 0) 0.021 0.301 0.000	0.162 0.024 0.671 0.230 0.308 0.849 0.188 0.345 0.977 0.289 0.353	0.00 -2.29 -0.02 -0.09 -0.03 -0.07 -0.00 -0.09 -0.03 -0.00 -0.00 -0.00	-0.28 0.04 0.02 0.13 0.08 0.01 0.03 0.02 0.01 2.40 0.01 -0.06
	(Intercept) IMT (z-score) Female sex Age at MRI Age delta Height Non-European ethnicity BMI (z-score) Parental education Maternal age (Intercept) IMT (z-score) Female sex Age at MRI	0.00 -1.27 0.00 -0.03 0.05 0.01 0.00 -0.03 0.00 -1.03 0.00 -1.03 0.00 -0.03 0.00	0.00 0.51 0.01 0.03 0.04 0.04 0.00 0.03 0.02 0.01 0.00 Global 1 0.03 0.03 0.04	-2.51 -0.18 -1.16 1.20 0.21 1.47 -1.12 -0.07 1.24 1.13 mean diffs -2.19 -0.22 -1.15 0.88	134.9 124.5 134.2 142.9 114.0 125.7 116.0 64.9 300.9 75.2 usivity (MI 190.2 126.9 132.9 144.1	0.013 0.854 0.250 0.231 0.838 0.144 0.264 0.215 0.263 0.300 0.825 0.253 0.380	0.026 0.854 0.253 0.308 0.838 0.192 0.352 0.946 0.287 0.351 0.037 0.854 0.253 0.434	-2.28 -0.03 -0.08 -0.03 -0.07 0.00 -0.09 -0.03 0.00 0.00 -1.96 -0.03 -0.08 -0.04	-0.27 0.02 0.02 0.13 0.08 0.01 0.03 0.02 0.01 -0.10 0.02 0.02 0.11	model Fully :.01)	(Intercept) Distensibility (z-score) Female sex Age at MRI Age delta Height Non-European ethnicity BMI (z-score) Parental education Maternal age (Intercept) Distensibility (z-score) Female sex Age at MRI	0.00 -1.29 0.01 -0.03 0.05 0.01 0.00 -0.03 0.00 0.01 0.00 -1.30 -0.01 -0.01 -0.08	0.51 0.02 0.03 0.04 0.04 0.00 0.03 0.02 0.01 0.00 Global r 0.55 0.01 0.03 0.05	-2.53 0.90 -1.21 1.20 0.19 1.48 -1.14 0.03 1.24 1.12 nean diffu 2.36 -1.04 -4.21 -1.75	103.4 135.6 79.0 139.7 146.3 117.9 103.9 115.8 69.9 300.9 75.5 sivity (ME 75.3 203.6 159.6 66.3	0.101 0.012 0.373 0.228 0.231 0.849 0.141 0.259 0.977 0.217 0.265 0.021 0.301 0.000 0.084	0.162 0.024 0.671 0.230 0.308 0.849 0.188 0.345 0.977 0.289 0.353 0.034 0.671 0.000 0.234	0.00 -2.29 -0.02 -0.09 -0.03 -0.07 -0.00 -0.09 -0.03 -0.00 -0.00 -0.00	-0.28 0.04 0.02 0.13 0.08 0.01 0.03 0.03 0.02 0.01 2.40 0.01 -0.06 0.01
Base model Fully adjusted model $(R^2 = .01)$ $(R^2 < .01)$	(Intercept) IMT (z-score) Female sex Age at MRI Age delta Height Non-European ethnicity BMI (z-score) Parental education Maternal age (Intercept) IMT (z-score) Female sex Age at MRI Age delta	0.00 -1.27 0.00 -0.03 0.05 0.01 0.00 -0.03 0.00 -0.03 0.00 -0.01 0.00 -1.03 0.00 -0.03 0.00 -0.03 0.00	0.00 0.51 0.01 0.03 0.04 0.04 0.00 0.03 0.02 0.01 0.00 Global 0.07 0.01 0.03 0.04 0.04	-2.51 -0.18 -1.16 1.20 0.21 1.47 -1.12 -0.07 1.24 1.13 mean difft -2.19 -0.22 -1.15 0.88 0.49	134.9 124.5 134.2 142.9 114.0 125.7 116.0 64.9 300.9 75.2 usivity (MI 190.2 126.9 132.9 144.1 110.7	0.013 0.854 0.250 0.231 0.838 0.144 0.264 0.946 0.215 0.263 0.030 0.825 0.253 0.380 0.626	0.026 0.854 0.253 0.308 0.838 0.192 0.352 0.946 0.287 0.351 0.037 0.854 0.253 0.434 0.838	-2.28 -0.03 -0.08 -0.03 -0.07 0.00 -0.09 -0.03 0.00 0.00 -1.96 -0.03 -0.08 -0.04 -0.06	-0.27 0.02 0.02 0.13 0.08 0.01 0.03 0.03 0.02 0.01 -0.10 0.02 0.11 0.09	Fully	(Intercept) Distensibility (z-score) Female sex Age at MRI Age delta Height Non-European ethnicity BMI (z-score) Parental education Maternal age (Intercept) Distensibility (z-score) Female sex Age at MRI Age delta	0.00 -1.29 0.01 -0.03 0.05 0.01 0.00 -0.03 0.00 -1.30 -0.01 -0.01 -0.08 -0.01	0.51 0.02 0.03 0.04 0.04 0.00 0.03 0.02 0.01 0.00 Global r 0.55 0.01 0.03 0.05 0.04	-2.53 0.90 -1.21 1.20 0.19 1.48 -1.14 0.03 1.24 1.12 nean diffu -2.36 -1.04 -4.21 -1.75 -0.23	103.4 135.6 79.0 139.7 146.3 117.9 103.9 115.8 69.9 300.9 75.5 sivity (ME 75.3 203.6 159.6 66.3 72.6	0.101 0.012 0.373 0.228 0.231 0.849 0.141 0.259 0.977 0.217 0.265 0.021 0.301 0.000 0.084 0.823	0.162 0.024 0.671 0.230 0.308 0.849 0.188 0.345 0.977 0.289 0.353 0.034 0.671 0.000 0.234 0.849	0.00 -2.29 -0.02 -0.09 -0.03 -0.07 0.00 -0.09 -0.03 -0.00 -0.00 -0.00 -0.01 -0.01 -0.16 -0.18 -0.09	-0.28 0.04 0.02 0.13 0.08 0.01 0.03 0.03 0.02 0.01 -0.06 0.01 0.07
	(Intercept) IMT (z-score) Female sex Age at MRI Age delta Height Non-European ethnicity BMI (z-score) Parental education Maternal age (Intercept) IMT (z-score) Female sex Age at MRI Age delta Height	0.00 -1.27 0.00 -0.03 0.05 0.01 0.00 -0.03 0.00 -1.03 0.00 -0.01 0.00 -1.03 0.00 -0.03 0.00 -0.03	0.00 0.51 0.01 0.03 0.04 0.04 0.00 0.03 0.02 0.01 0.00 Global I 0.03 0.04 0.04 0.00	-2.51 -0.18 -1.16 1.20 0.21 1.47 -1.12 -0.07 1.24 1.13 mean diffu -2.19 -0.22 -1.15 0.88 0.49 1.63	134.9 124.5 134.2 142.9 114.0 125.7 116.0 64.9 300.9 75.2 usivity (MI 190.2 126.9 132.9 144.1 110.7 128.0	0.013 0.854 0.250 0.231 0.838 0.144 0.264 0.946 0.215 0.263 0.030 0.825 0.253 0.380 0.626 0.105	0.026 0.854 0.253 0.308 0.838 0.192 0.352 0.946 0.287 0.351 0.037 0.854 0.253 0.434 0.838 0.168	-2.28 -0.03 -0.08 -0.03 -0.07 0.00 -0.09 -0.03 0.00 -1.96 -0.03 -0.08 -0.04 -0.06 0.00	-0.27 0.02 0.02 0.13 0.08 0.01 0.03 0.03 0.02 0.01 -0.10 0.02 0.11 0.09 0.01	model Fully :.01)	(Intercept) Distensibility (z-score) Female sex Age at MRI Age delta Height Non-European ethnicity BMI (z-score) Parental education Maternal age (Intercept) Distensibility (z-score) Female sex Age at MRI Age delta Height	0.00 -1.29 0.01 -0.03 0.05 0.01 0.00 -0.03 0.00 0.01 0.00 -0.01 -0.01 -0.01 -0.01 -0.01	0.51 0.02 0.03 0.04 0.04 0.00 0.03 0.02 0.01 0.00 Global r 0.03 0.05 0.04 0.00	-2.53 0.90 -1.21 1.20 0.19 1.48 -1.14 0.03 1.24 	103.4 135.6 79.0 139.7 146.3 117.9 103.9 115.8 69.9 300.9 75.5 sivity (ME 75.3 203.6 159.6 66.3 72.6 84.4	0.101 0.012 0.373 0.228 0.231 0.849 0.141 0.259 0.977 0.265 0.021 0.301 0.000 0.084 0.823 0.843	0.162 0.024 0.671 0.230 0.308 0.849 0.188 0.345 0.977 0.289 0.353 0.034 0.671 0.000 0.234 0.849 0.963	0.00 -2.29 -0.02 -0.09 -0.03 -0.07 0.00 -0.09 -0.03 0.00 0.20 -0.04 -0.16 -0.18 -0.09 -0.01	-0.28 0.04 0.02 0.13 0.08 0.01 0.03 0.02 0.01 -0.06 0.01 0.07 0.00
	(Intercept) IMT (z-score) Female sex Age at MRI Age delta Height Non-European ethnicity BMI (z-score) Parental education Maternal age (Intercept) IMT (z-score) Female sex Age at MRI Age delta Height (Intercept)	0.00 -1.27 0.00 -0.03 0.05 0.01 0.00 -0.03 0.00 -1.03 0.00 -1.03 0.00 -0.03 0.00 -0.03 0.04 0.02 0.00 -1.27	0.00 0.51 0.01 0.03 0.04 0.04 0.00 0.03 0.02 0.01 0.00 Global I 0.03 0.04 0.04 0.00 0.04 0.04 0.00	-2.51 -0.18 -1.16 1.20 0.21 1.47 -1.12 -0.07 1.24 1.13 mean difft -2.19 -0.22 -1.15 0.88 0.49 1.63 -2.51	134.9 124.5 134.2 142.9 114.0 125.7 116.0 64.9 300.9 75.2 usivity (MI 190.2 126.9 132.9 144.1 110.7 128.0	0.013 0.854 0.250 0.231 0.838 0.144 0.264 0.946 0.215 0.263 0.030 0.825 0.253 0.380 0.626 0.105 0.013	0.026 0.854 0.253 0.308 0.838 0.192 0.352 0.946 0.287 0.351 0.037 0.854 0.253 0.434 0.838 0.168	-2.28 -0.03 -0.08 -0.03 -0.07 0.00 -0.09 -0.03 0.00 -1.96 -0.03 -0.08 -0.04 -0.06 0.00 -2.28	-0.27 0.02 0.02 0.13 0.08 0.01 0.03 0.02 0.01 -0.10 0.02 0.02 0.11 0.09 0.01 -0.27	model Fully :.01)	(Intercept) Distensibility (z-score) Female sex Age at MRI Age delta Height Non-European ethnicity BMI (z-score) Parental education Maternal age (Intercept) Distensibility (z-score) Female sex Age at MRI Age delta Height (Intercept)	0.00 -1.29 0.01 -0.03 0.05 0.01 0.00 -0.03 0.00 0.01 0.00 -0.01 -0.01 -0.01 -0.08 -0.01 0.00 1.23	0.51 0.02 0.03 0.04 0.04 0.00 0.03 0.02 0.01 0.00 Global r 0.05 0.01 0.03 0.05 0.04 0.00	-2.53 0.90 -1.21 1.20 0.19 1.48 -1.14 0.03 1.24 -1.12 nean diffu -1.04 -4.21 -1.75 -0.23 -0.20 -2.17	103.4 135.6 79.0 139.7 146.3 117.9 103.9 115.8 69.9 300.9 75.5 sivity (ME 75.3 203.6 159.6 66.3 72.6 84.4 76.5	0.101 0.012 0.373 0.228 0.231 0.849 0.141 0.259 0.977 0.265 0.021 0.301 0.000 0.084 0.823 0.843 0.033	0.162 0.024 0.671 0.230 0.308 0.849 0.345 0.977 0.289 0.353 0.034 0.671 0.000 0.234 0.849 0.963 0.038	0.00 -2.29 -0.02 -0.09 -0.03 -0.07 -0.00 -0.09 -0.03 -0.00 -0.00 -0.00 -0.10	-0.28 0.04 0.02 0.13 0.08 0.01 0.03 0.02 0.01 -0.06 0.01 0.07 0.00 2.36
Base model (R ² = .01)	(Intercept) IMT (z-score) Female sex Age at MRI Age delta Height Non-European ethnicity BMI (z-score) Parental education Maternal age (Intercept) IMT (z-score) Female sex Age at MRI Age delta Height	0.00 -1.27 0.00 -0.03 0.05 0.01 0.00 -0.03 0.00 -1.03 0.00 -0.01 0.00 -1.03 0.00 -0.03 0.00 -0.03	0.00 0.51 0.01 0.03 0.04 0.04 0.00 0.03 0.02 0.01 0.00 Global I 0.03 0.04 0.04 0.00	-2.51 -0.18 -1.16 1.20 0.21 1.47 -1.12 -0.07 1.24 1.13 mean diffu -2.19 -0.22 -1.15 0.88 0.49 1.63	134.9 124.5 134.2 142.9 114.0 125.7 116.0 64.9 300.9 75.2 usivity (MI 190.2 126.9 132.9 144.1 110.7 128.0	0.013 0.854 0.250 0.231 0.838 0.144 0.264 0.946 0.215 0.263 0.030 0.825 0.253 0.380 0.626 0.105	0.026 0.854 0.253 0.308 0.838 0.192 0.352 0.946 0.287 0.351 0.037 0.854 0.253 0.434 0.838 0.168	-2.28 -0.03 -0.08 -0.03 -0.07 0.00 -0.09 -0.03 0.00 -1.96 -0.03 -0.08 -0.04 -0.06 0.00	-0.27 0.02 0.02 0.13 0.08 0.01 0.03 0.03 0.02 0.01 -0.10 0.02 0.11 0.09 0.01	Base model (R ² = .01)	(Intercept) Distensibility (z-score) Female sex Age at MRI Age delta Height Non-European ethnicity BMI (z-score) Parental education Maternal age (Intercept) Distensibility (z-score) Female sex Age at MRI Age delta Height	0.00 -1.29 0.01 -0.03 0.05 0.01 0.00 -0.03 0.00 0.01 0.00 1.30 -0.01 -0.08 -0.01 0.00	0.51 0.02 0.03 0.04 0.04 0.00 0.03 0.02 0.01 0.00 Global r 0.03 0.05 0.04 0.00	-2.53 0.90 -1.21 1.20 0.19 1.48 -1.14 0.03 1.24 	103.4 135.6 79.0 139.7 146.3 117.9 103.9 115.8 69.9 300.9 75.5 sivity (ME 75.3 203.6 159.6 66.3 72.6 84.4	0.101 0.012 0.373 0.228 0.231 0.849 0.141 0.259 0.977 0.265 0.021 0.301 0.000 0.084 0.823 0.843	0.162 0.024 0.671 0.230 0.308 0.849 0.188 0.345 0.977 0.289 0.353 0.034 0.671 0.000 0.234 0.849 0.963	0.00 -2.29 -0.02 -0.09 -0.03 -0.07 0.00 -0.09 -0.03 0.00 0.20 -0.04 -0.16 -0.18 -0.09 -0.01	-0.28 0.04 0.02 0.13 0.08 0.01 0.03 0.02 0.01 -0.06 0.01 0.07 0.00
Base model (R ² = .01)	(Intercept) IMT (z-score) Female sex Age at MRI Age delta Height Non-European ethnicity BMI (z-score) Parental education Maternal age (Intercept) IMT (z-score) Female sex Age at MRI Age delta Height (Intercept) IMT (z-score)	0.00 -1.27 0.00 -0.03 0.05 0.01 0.00 -0.03 0.00 -0.03 0.00 -1.03 0.00 -1.03 0.04 0.02 0.00 -1.27 0.00	0.00 0.51 0.01 0.03 0.04 0.00 0.03 0.02 0.01 0.00 Global I 0.03 0.04 0.04 0.04 0.00 0.51	-2.51 -0.18 -1.16 1.20 0.21 1.47 -1.12 -0.07 1.24 1.13 mean diffu -2.19 -0.22 -1.15 0.88 0.49 1.63 -2.51	134.9 124.5 134.2 142.9 114.0 125.7 116.0 64.9 300.9 75.2 usivity (MI 190.2 126.9 132.9 144.1 110.7 128.0	0.013 0.854 0.250 0.231 0.838 0.144 0.264 0.215 0.263 0.030 0.825 0.253 0.380 0.626 0.105 0.013 0.854	0.026 0.854 0.253 0.308 0.838 0.192 0.352 0.946 0.287 0.351 0.037 0.854 0.253 0.434 0.838 0.168 0.026	-2.28 -0.03 -0.08 -0.03 -0.07 -0.09 -0.03 -0.00 -1.96 -0.03 -0.04 -0.04 -0.06 -0.00 -2.28 -0.03	-0.27 0.02 0.02 0.13 0.08 0.01 0.03 0.02 0.01 -0.10 0.02 0.02 0.11 0.09 0.01	Base model (R ² = .01)	(Intercept) Distensibility (z-score) Female sex Age at MRI Age delta Height Non-European ethnicity BMI (z-score) Parental education Maternal age (Intercept) Distensibility (z-score) Female sex Age at MRI Age delta Height (Intercept) Distensibility (z-score)	0.00 -1.29 0.01 -0.03 0.05 0.01 0.00 -0.03 0.00 0.01 0.00 -1.30 -0.01 -0.11 -0.08 -0.00 1.23 -0.02	0.51 0.02 0.03 0.04 0.04 0.00 0.03 0.02 0.01 0.00 Global r 0.55 0.01 0.05 0.04 0.00 0.57	-2.53 0.90 -1.21 1.20 0.19 1.48 -1.14 0.03 1.24 1.12 nean diffu 2.36 -1.04 -4.21 -1.75 -0.23 -0.20 2.17 -1.17	103.4 135.6 79.0 139.7 146.3 117.9 103.9 15.5 sivity (ME 75.3 203.6 159.6 66.3 72.6 84.4 76.5 208.3	0.101 0.012 0.373 0.228 0.231 0.849 0.141 0.259 0.977 0.217 0.265 0.021 0.301 0.000 0.084 0.823 0.843 0.033	0.162 0.024 0.671 0.230 0.308 0.849 0.188 0.345 0.977 0.289 0.353 0.034 0.671 0.000 0.234 0.849 0.900 0.300 0.	0.00 -2.29 -0.02 -0.09 -0.03 -0.00 -0.00 -0.00 -0.00 -0.04 -0.16 -0.18 -0.09 -0.01 -0.04	-0.28 0.04 0.02 0.13 0.08 0.01 0.03 0.02 0.01 -0.06 0.01 0.07 0.00 2.36 0.01
Base model (R ² = .01)	(Intercept) IMT (z-score) Female sex Age at MRI Age delta Height Non-European ethnicity BMI (z-score) Parental education Maternal age (Intercept) IMT (z-score) Female sex Age at MRI Age delta Height (Intercept) IMT (z-score)	0.00 -1.27 0.00 -0.03 0.05 0.01 0.00 -0.03 0.00 -0.03 0.00 -1.03 0.00 -0.03 0.04 0.02 0.00 -1.27 0.00 -0.03	0.00 0.51 0.01 0.03 0.04 0.00 0.03 0.02 0.01 0.03 0.02 0.01 0.03 0.04 0.04 0.04 0.00 0.51 0.01	-2.51 -0.18 -1.16 1.20 0.21 1.47 -1.12 -0.07 1.24 1.13 mean diffu -2.19 -0.22 -1.15 0.88 0.49 1.63 -2.51 -0.18 -1.16	134.9 124.5 134.2 142.9 114.0 125.7 116.0 64.9 300.9 75.2 (MI 190.2 126.9 132.9 144.1 110.7 128.0 134.9 124.5 134.2	0.013 0.854 0.250 0.231 0.838 0.144 0.264 0.215 0.263 0.300 0.825 0.253 0.380 0.626 0.105 0.013 0.854 0.250	0.026 0.854 0.253 0.308 0.838 0.192 0.352 0.946 0.287 0.351 0.037 0.854 0.253 0.434 0.838 0.168 0.026 0.854 0.026	-2.28 -0.03 -0.08 -0.07 -0.00 -0.09 -0.03 -0.00 -0.00 -1.96 -0.03 -0.08 -0.04 -0.06 -0.00 -2.28 -0.03 -0.06	-0.27 0.02 0.02 0.13 0.08 0.01 0.03 0.02 0.01 -0.10 0.02 0.11 0.09 0.01 -0.27 0.02 0.01	Base model (R ² = .01)	(Intercept) Distensibility (z-score) Female sex Age at MRI Age delta Height Non-European ethnicity BMI (z-score) Parental education Maternal age (Intercept) Distensibility (z-score) Female sex Age at MRI Age delta Height (Intercept)	0.00 -1.29 0.01 -0.03 0.05 0.01 0.00 -0.03 0.00 0.01 0.00 -1.30 -0.01 -0.11 -0.08 -0.01 0.00 -1.23 -0.02 -0.11	0.51 0.02 0.03 0.04 0.04 0.00 0.03 0.02 0.01 0.00 Global r 0.55 0.01 0.03 0.05 0.01 0.03 0.05 0.01 0.03 0.05 0.01 0.00 0.03 0.01 0.00 0.03 0.01 0.00 0.03 0.00 0.	-2.53 0.90 -1.21 1.20 0.19 1.48 -1.14 0.03 1.24 1.24 1.20 nean diffu -2.36 -1.04 -4.21 -1.75 -0.23 -0.20 -0.21 -1.17 -4.22	103.4 135.6 79.0 139.7 146.3 117.9 103.9 115.8 69.9 300.9 55.5 sivity (ME 75.5 203.6 159.6 66.3 72.6 84.4 76.5 208.3	0.101 0.012 0.373 0.228 0.231 0.849 0.141 0.259 0.977 0.217 0.265 0) 0.021 0.301 0.000 0.884 0.823 0.843 0.033 0.242 0.000	0.162 0.024 0.671 0.230 0.308 0.849 0.188 0.345 0.977 0.289 0.353 0.034 0.671 0.000 0.234 0.849 0.671 0.000 0.308 0.671 0.000	0.00 -2.29 -0.02 -0.09 -0.03 -0.00 -0.00 -0.00 -0.00 -0.01 -0.18 -0.01 -0.01 -0.04 -0.16 -0.16 -0.10	-0.28 0.04 0.02 0.13 0.08 0.01 0.03 0.02 0.01 -0.06 0.01 0.07 0.00 2.36 0.01 -0.06
Base model (R ² = .01)	(Intercept) IMT (z-score) Female sex Age at MRI Age delta Height Non-European ethnicity BMI (z-score) Parental education Maternal age (Intercept) IMT (z-score) Female sex Age at MRI Age delta Height (Intercept) IMT (z-score)	0.00 -1.27 0.00 -0.03 0.05 0.01 0.00 -0.03 0.00 -1.03 0.00 -1.03 0.00 -1.03 0.00 -1.03 0.04 0.02 0.00 -1.27 0.00 -0.03	0.00 0.51 0.01 0.03 0.04 0.00 0.03 0.02 0.01 0.00 Global 1 0.03 0.04 0.04 0.04 0.05 0.01 0.03 0.04 0.04 0.00 0.51 0.03	-2.51 -0.18 -1.16 1.20 0.21 1.47 -1.12 -0.07 1.24 1.13 mean diffs -2.19 -0.22 -1.15 0.88 0.49 1.63 -2.51 -0.18 -1.16 1.20	134.9 124.5 134.2 142.9 114.0 125.7 116.0 64.9 300.9 75.2 190.2 126.9 132.9 144.1 110.7 128.0 134.9 124.5 134.2	0.013 0.854 0.250 0.231 0.838 0.144 0.264 0.215 0.263 0.030 0.825 0.253 0.380 0.626 0.105 0.013 0.854 0.250 0.231	0.026 0.854 0.253 0.308 0.838 0.192 0.352 0.946 0.287 0.351 0.037 0.854 0.253 0.434 0.838 0.168 0.026 0.026 0.026 0.026 0.027 0.037 0.037 0.037 0.037 0.037 0.037 0.037 0.038 0.	-2.28 -0.03 -0.08 -0.03 -0.07 -0.09 -0.03 -0.00 -0.00 -1.96 -0.03 -0.04 -0.06 -0.00 -2.28 -0.03 -0.08 -0.03	-0.27 0.02 0.02 0.13 0.08 0.01 0.03 0.02 0.01 -0.10 0.02 0.11 0.09 0.01 -0.27 0.02 0.02	Base model (R ² = .01)	(Intercept) Distensibility (z-score) Female sex Age at MRI Age delta Height Non-European ethnicity BMI (z-score) Parental education Maternal age (Intercept) Distensibility (z-score) Female sex Age at MRI Age delta Height (Intercept) Distensibility (z-score)	0.00 -1.29 0.01 -0.03 0.05 0.01 0.00 -1.30 -0.01 -0.08 -0.01 -0.00 -0.11 -0.08 -0.01 -0.00	0.51 0.02 0.03 0.04 0.04 0.00 0.03 0.02 0.01 0.00 Global r 0.55 0.01 0.03 0.05 0.04 0.00 0.05 0.01 0.05 0.05 0.01 0.05 0.05 0.01 0.05 0.05 0.01 0.05 0.	-2.53 0.90 -1.21 1.20 0.19 1.48 -1.14 0.03 1.24 1.12 enean diffu -2.36 -1.04 -4.21 -1.75 -0.23 -0.20 -2.17 -1.17 -4.22 -1.67	103.4 135.6 79.0 139.7 146.3 117.9 103.9 115.8 69.9 75.5 sivity (ME 75.3 203.6 159.6 66.3 72.6 84.4 76.5 208.3 157.1 62.4	0.101 0.012 0.373 0.228 0.231 0.259 0.141 0.259 0.977 0.261 0.301 0.001 0.002 0.084 0.843 0.042 0.000 0.084 0.000 0.084 0.000	0.162 0.024 0.671 0.230 0.308 0.849 0.188 0.345 0.977 0.289 0.353 0.034 0.671 0.000 0.234 0.849 0.963 0.038 0.671 0.000 0.234	0.00 -2.29 -0.02 -0.03 -0.07 0.00 -0.09 -0.03 0.00 -0.00 -0.01 -0.16 -0.18 -0.09 -0.01 -0.04 -0.16 -0.18 -0.09	-0.28 0.04 0.02 0.13 0.08 0.01 0.03 0.02 0.01 -0.06 0.01 0.07 0.00 0.00 0.00 0.00 0.00 0.00
Base model (R ² = .01)	(Intercept) IMT (z-score) Female sex Age at MRI Age delta Height Non-European ethnicity BMI (z-score) Parental education Maternal age (Intercept) IMT (z-score) Female sex Age at MRI Age delta Height (Intercept) IMT (z-score) Female sex Age at MRI Age delta Age delta Height (Intercept)	0.00 -1.27 0.00 -0.03 0.05 0.01 0.00 -0.03 0.00 -0.03 0.00 -1.03 0.00 -1.27 0.00 -0.03 0.05	0.00 0.51 0.01 0.03 0.04 0.00 0.03 0.02 0.01 0.00 Global 1 0.03 0.04 0.04 0.04 0.04 0.04 0.04 0.04	-2.51 -0.18 -1.16 1.20 0.21 1.47 -1.12 -0.07 1.24 1.13 mean diffu -2.19 -0.22 -1.15 0.88 0.49 1.63 -2.51 -0.18 -1.16 0.21	134.9 124.5 134.2 142.9 1114.0 125.7 116.0 64.9 300.9 75.2 126.9 132.9 144.1 110.7 128.0 134.9 124.5 134.9 144.5	0.013 0.854 0.250 0.231 0.838 0.946 0.215 0.263 0.030 0.825 0.253 0.380 0.626 0.105 0.013 0.030 0.	0.026 0.854 0.253 0.308 0.838 0.192 0.352 0.946 0.287 0.351 0.037 0.854 0.253 0.434 0.838 0.168 0.026 0.854 0.253 0.308	-2.28 -0.03 -0.08 -0.07 0.00 -0.09 -0.03 0.00 -0.03 -0.03 -0.04 -0.04 -0.06 0.00 -2.28 -0.03 -0.03 -0.07	-0.27 0.02 0.02 0.13 0.08 0.01 0.01 0.03 0.02 0.01 -0.10 0.02 0.02 0.01 0.02 0.02 0.01 0.02 0.02 0.01 0.02 0.01 0.02 0.02 0.03 0.02 0.01 0.02 0.02 0.03 0.02 0.01 0.02 0.02 0.03 0.02 0.03 0.02 0.04 0.05	Base model (R ² = .01)	(Intercept) Distensibility (z-score) Female sex Age at MRI Age delta Height Non-European ethnicity BMI (z-score) Parental education Maternal age (Intercept) Distensibility (z-score) Female sex Age at MRI Age delta Height (Intercept) Distensibility (z-score) Female sex Age at MRI Age delta Age delta Age delta Age delta Age delta Age at MRI Age delta Age at MRI Age delta	0.00 -1.29 0.01 -0.03 0.05 0.01 0.00 -0.03 0.00 -0.01 0.00 -0.01 -0.01 -0.01 -0.01 -0.00 -0.01 -0.00 -0.00 -0.00 -0.00 -0.00 -0.01 -0.00 -	0.51 0.02 0.03 0.04 0.04 0.00 0.03 0.02 0.01 0.00 Global r 0.05 0.04 0.00 0.57 0.04	-2.53 0.90 -1.21 1.20 0.19 1.48 -1.14 0.03 1.24 1.12 -1.04 -4.21 -1.75 -0.23 -0.20 2.17 -1.17 -4.22 -1.67 -0.26	103.4 135.6 79.0 139.7 146.3 117.9 103.9 115.8 69.9 300.9 75.5 sivity (ME 75.3 203.6 159.6 66.3 72.6 84.4 76.5 208.3 157.1 62.4 67.7	0.101 0.012 0.373 0.228 0.231 0.849 0.141 0.259 0.977 0.265 0.977 0.260 0.001 0.000 0.008 0.0823 0.083 0.033 0.033 0.020 0.000	0.162 0.024 0.671 0.230 0.308 0.849 0.188 0.345 0.977 0.289 0.353 0.034 0.671 0.000 0.234 0.849 0.963 0.038 0.671 0.000 0.234 0.849 0.963 0.038	0.00 -2.29 -0.02 -0.03 -0.07 0.00 -0.09 -0.03 0.00 -0.00 -0.10 -0.16 -0.18 -0.09 -0.16 -0.18 -0.09	-0.28 0.04 0.02 0.13 0.08 0.01 0.01 0.03 0.02 0.01 -0.06 0.01 0.07 0.00 2.36 0.02 0.01 0.07
sted model Base model $(\mathbb{R}^2 = .01)$	(Intercept) IMT (z-score) Female sex Age at MRI Age delta Height Non-European ethnicity BMI (z-score) Parental education Maternal age (Intercept) IMT (z-score) Female sex Age at MRI Age delta Height (Intercept) IMT (z-score) Female sex Age at MRI Age delta Height (Intercept) IMT (z-score) Female sex Age at MRI Age delta Height Non-European ethnicity BMI (z-score)	0.00 -1.27 0.00 -0.03 0.05 0.01 0.00 -1.03 0.00 -0.03 0.00 -1.03 0.04 0.02 0.00 -1.27 0.00 -0.03 0.05	0.00 0.51 0.01 0.03 0.04 0.00 0.03 0.02 0.01 0.00 0.03 0.04 0.04 0.00 0.51 0.01 0.03 0.04 0.04 0.00 0.51 0.01 0.03 0.04 0.04 0.00 0.51	-2.51 -0.18 -1.16 1.20 0.21 1.47 -1.12 -0.07 1.24 1.24 -0.22 -1.15 0.88 0.49 1.63 -2.51 -0.18 -1.16 1.20 0.21 1.47 -1.12 -0.07	134.9 124.5 134.2 142.9 114.0 125.7 116.0 64.9 300.9 725.7 126.9 132.9 144.1 110.7 128.0 134.9 124.5 134.2 142.9 114.0 125.7 116.0 64.9	0.013 0.854 0.250 0.231 0.838 0.144 0.264 0.946 0.215 0.030 0.825 0.253 0.380 0.626 0.013 0.854 0.250 0.231 0.838 0.444 0.264 0.264 0.264 0.264 0.264 0.264 0.264 0.265 0.263 0.388 0.388 0.466 0.265 0.	0.026 0.854 0.253 0.308 0.838 0.192 0.352 0.946 0.287 0.351 0.037 0.854 0.253 0.434 0.838 0.168 0.026 0.854 0.253 0.308 0.838 0.838 0.838 0.192 0.352	-2.28 -0.03 -0.08 -0.09 -0.09 -0.03 -0.00 -0.09 -1.96 -0.03 -0.08 -0.04 -0.06 -0.00 -2.28 -0.03 -0.08 -0.00 -0.09 -0.03	-0.27 0.02 0.02 0.03 0.08 0.01 0.03 0.02 0.01 -0.10 0.02 0.01 -0.27 0.02 0.02 0.13 0.08	Listed model Base model Fully (R ² = .01)	(Intercept) Distensibility (z-score) Female sex Age at MRI Age delta Height Non-European ethnicity BMI (z-score) Parental education Maternal age (Intercept) Distensibility (z-score) Female sex Age at MRI Age delta Height (Intercept) Distensibility (z-score) Female sex Age at MRI Age delta Height Age delta Height Non-European ethnicity BMI (z-score)	1.30 -0.01 -0.03 0.05 -0.01 0.00 -0.03 0.00 -0.01 -0.01 -0.11 -0.08 -0.01 -0.00 -0.0	0.51 0.02 0.03 0.04 0.04 0.09 0.00 0.00 0.03 0.02 0.01 0.03 0.05 0.01 0.03 0.05 0.01 0.03 0.05 0.04 0.04 0.03 0.05 0.01 0.03 0.05 0.04 0.04 0.05 0.01 0.03 0.05 0.01 0.03 0.05 0.04 0.04 0.05 0.04 0.05 0.04 0.05 0.04 0.05 0.05	-2.53 0.90 -1.21 1.20 0.19 1.48 -1.14 0.03 1.24 -1.12 -1.04 -4.21 -1.75 -0.20 2.17 -1.17 -4.22 -1.67 -0.20 -0.04 -0.05 -0.96	103.4 135.6 79.0 139.7 146.3 117.9 103.9 115.8 69.9 300.9 75.5 sivity (ME 75.3 203.6 159.6 66.3 72.6 84.4 76.5 208.3 157.1 62.4 67.7 79.1 116.0 75.1	0.101 0.012 0.373 0.228 0.231 0.259 0.977 0.217 0.301 0.000 0.084 0.084 0.000 0.084 0.033 0.242 0.000 0.100 0.000 0.100 0.000	0.162 0.024 0.671 0.230 0.308 0.849 0.188 0.345 0.977 0.289 0.353 0.034 0.671 0.000 0.234 0.849 0.963 0.038 0.671 0.000 0.234 0.849 0.963 0.038	0.00 -2.29 -0.02 -0.09 -0.03 -0.00 -0.00 -0.00 -0.00 -0.04 -0.16 -0.18 -0.09 -0.01 -0.04 -0.16 -0.18 -0.09 -0.01 -0.04 -0.16 -0.19 -0.04 -0.16 -0.10 -0.04 -0.16 -0.10 -0.04 -0.16 -0.10 -0.04 -0.16 -0.04 -0.16 -0.09 -0.01	-0.28 0.04 0.02 0.13 0.08 0.01 0.03 0.02 0.01 -0.06 0.01 0.07 0.00 0.00 0.00 0.00 0.00 0.00
Base model $(R^2 = .01)$	(Intercept) IMT (z-score) Female sex Age at MRI Age delta Height Non-European ethnicity BMI (z-score) Parental education Maternal age (Intercept) IMT (z-score) Female sex Age at MRI Age delta Height (Intercept) IMT (z-score) Female sex Age at MRI Age delta Height (Intercept) IMT (z-score) Female sex Age at MRI Age delta Height Age delta Height Non-European ethnicity	0.00 -1.27 0.00 -0.03 0.05 0.01 0.00 -0.03 0.00 -0.03 0.00 -1.03 0.04 0.02 0.00 -1.27 0.00 -0.03 0.05	0.00 0.51 0.01 0.03 0.04 0.00 0.03 0.02 0.01 0.00 0.03 0.04 0.00 0.51 0.01 0.03 0.04 0.00 0.51 0.01 0.03 0.04 0.00 0.03	-2.51 -0.18 -1.16 1.20 0.21 1.47 -1.12 -0.07 1.24 1.13 mean difft -2.19 -0.22 -1.15 0.88 0.49 1.63 -2.51 -0.18 -1.16 1.20 0.21 1.47 -1.12	134.9 124.5 134.2 142.9 114.0 125.7 116.0 64.9 300.9 75.2 usivity (MI 190.2 126.9 132.9 144.1 110.7 128.0 134.9 124.5 134.2 142.9 144.0 125.7 116.0	0.013 0.854 0.250 0.231 0.264 0.264 0.264 0.265 0.263 0.263 0.263 0.380 0.380 0.466 0.215 0.253 0.380 0.825 0.080 0.838 0.406 0.264 0.265 0.263 0.263 0.380 0.825 0.263 0.380 0.838 0.446 0.264 0.265 0.263 0.263 0.263 0.380 0.838 0.106 0.264 0.265 0.265 0.263 0.380 0.866 0.265 0.	0.026 0.854 0.253 0.308 0.838 0.192 0.352 0.946 0.287 0.351 0.037 0.854 0.253 0.434 0.263 0.688 0.168 0.026 0.854 0.263 0.308 0.308 0.492 0.352	-2.28 -0.03 -0.08 -0.07 -0.09 -0.09 -0.03 -0.00 -0.09 -0.03 -0.08 -0.08 -0.06 -0.00 -2.28 -0.03 -0.08 -0.09	-0.27 0.02 0.02 0.03 0.08 0.01 0.03 0.02 0.01 -0.10 0.02 0.02 0.01 -0.27 0.02 0.02 0.02 0.01 0.03 0.09 0.01 0.09 0.01 0.09 0.01 0.09 0.01 0.09 0.01 0.09 0.01 0.09 0.01 0.09 0.01	Base model (R ² = .01)	(Intercept) Distensibility (z-score) Female sex Age at MRI Age delta Height Non-European ethnicity BMI (z-score) Parental education Maternal age (Intercept) Distensibility (z-score) Female sex Age at MRI Age delta Height (Intercept) Distensibility (z-score) Female sex Age at MRI Age delta Height Age delta Age delta Height Age delta Height Non-European ethnicity	0.00 -1.29 0.01 -0.03 0.05 0.01 0.00 -0.03 0.00 0.01 0.00 -0.01 -0.01 -0.01 -0.01 -0.00 1.23 -0.02 -0.11 -0.08 -0.01 -0.00 0.00	0.51 0.02 0.03 0.04 0.00 0.03 0.02 0.01 0.05 0.05 0.01 0.03 0.05 0.01 0.03 0.05 0.04 0.00 0.07 0.07 0.01 0.03 0.05	-2.53 0.90 -1.21 1.20 0.19 1.48 -1.14 0.03 1.24 -1.12 nean diffu -1.04 -4.21 -1.75 -0.23 -0.20 2.17 -1.17 -4.22 -1.67 -0.26 -0.04 -0.05	103.4 135.6 79.0 139.7 146.3 117.9 103.9 115.8 69.9 300.9 75.5 sivity (ME 75.3 203.6 159.6 66.3 72.6 84.4 76.5 208.3 157.1 62.4 67.7 79.1 116.0	0.101 0.012 0.373 0.228 0.231 0.240 0.141 0.259 0.217 0.217 0.217 0.000 0.084 0.084 0.000 0.084 0.000 0.084 0.000 0.084 0.000 0.084 0.000 0.084 0.000 0.084 0.000 0.084 0.000 0.084 0.000	0.162 0.024 0.671 0.230 0.308 0.849 0.188 0.345 0.977 0.289 0.353 0.034 0.671 0.000 0.234 0.849 0.963 0.038 0.671 0.000 0.234 0.849 0.968	0.00 -2.29 -0.02 -0.09 -0.03 -0.00 -0.00 -0.04 -0.16 -0.18 -0.09 -0.04 -0.16 -0.18 -0.09 -0.01 -0.04 -0.16 -0.18 -0.09 -0.01 -0.08	-0.28 0.04 0.02 0.13 0.03 0.03 0.02 0.01 -0.06 0.01 -0.06 0.01 -0.06 0.01 -0.06 0.01 -0.06 0.01 -0.00 0.01 -0.00 0.01 -0.00 0.01 -0.00 -0.

^{*} SE= standard error; Df = degrees of freedom; FDR = false discovery rate; LCI = lower limit of the 95% confidence interval; UCI = upper limit of the 95% confidence interval;

Table S14 - Sensitivity (full sample) (cont'd)

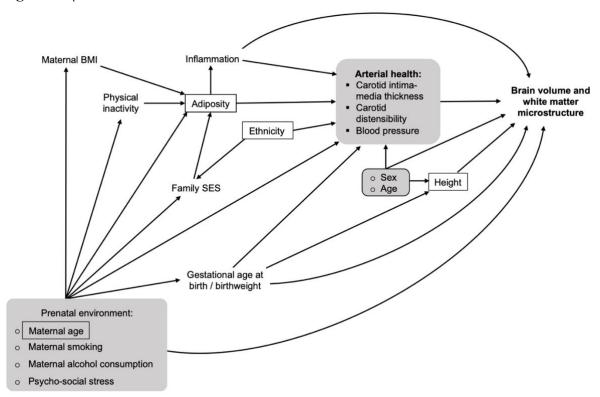
		SYST	OLIC BLC	OD PRES	SURE (SI	3P)						DIAST	OLIC BLO	OD PRES	SURE (DI	BP)			
	Predictor	Beta	SE	Statistic	Df	Punadjusted	P _{FDR}	LCI	UCI		Predictor	Beta		Statistic		unadjusted	P _{FDR}	LCI	UCI
	(1-4	-1.82		brain volu			0.000	-2.73	-0.91	_	(-	4.74		brain volu		0.000	0.000	0.00	0.05
_	(Intercept) SBP (z-score)	-0.03	0.46	-3.96 -2.62	156.6 281.8	0.000	0.000	-0.05	-0.91	_	(Intercept) DBP (z-score)	-1.74 -0.05	0.45	-3.88 -3.60	174.3 90.4	0.000	0.000	-2.63 -0.08	-0.85 -0.02
: model =.11)	Female sex	-0.61	0.02	-26.37	286.0	0.000	0.000	-0.66	-0.57	Base model $(R^2 = .11)$	Female sex	-0.61	0.02	-26.10	266.9	0.000	0.000	-0.65	-0.56
Base r (R² =	Age at MRI	-0.05	0.04	-1.49	233.1	0.139	0.256	-0.12	0.02		Age at MRI	-0.05	0.04	-1.50	249.9	0.136	0.243	-0.12	0.02
<u>a</u>	Age delta	0.05	0.03	1.42	181.7	0.158	0.724	-0.02	0.11		Age delta	0.05	0.03	1.41	171.1	0.161	0.712	-0.02	0.11
	Height	0.02	0.00	8.44	71.4	0.000	0.000	0.01	0.02		Height	0.02	0.00	8.14	65.7	0.000	0.000	0.01	0.02
	(Intercept)	-2.15	0.50	-4.31	104.4	0.000	0.000	-3.14	-1.16	<u></u>	(Intercept)	-2.07	0.49	-4.19	107.1	0.000	0.000	-3.05	-1.09
-	SBP (z-score) Female sex	-0.03 -0.61	0.01	-2.64 -26.31	289.2 256.5	0.009	0.018	-0.06 -0.66	-0.01 -0.57		DBP (z-score) Female sex	-0.04 -0.61	0.01	-3.24 -26.08	91.1 240.5	0.002	0.005	-0.07 -0.66	-0.02 -0.56
node	Age at MRI	-0.02	0.04	-0.40	192.8	0.689	0.689	-0.09	0.06	node	Age at MRI	-0.02	0.04	-0.42	198.8	0.677	0.677	-0.09	0.06
usted r = .12)	Age delta	0.02	0.03	0.45	168.3	0.652	0.830	-0.05	0.08	adjusted model (R ² = .13)	Age delta	0.02	0.03	0.47	162.4	0.640	0.837	-0.05	0.08
adjus (R² =	Height	0.02	0.00	7.61	79.3	0.000	0.000	0.01	0.02	adjus (R² =	Height	0.02	0.00	7.35	74.3	0.000	0.000	0.01	0.02
Fully adjusted model (R ² = .12)	Non-European ethnicity	-0.17	0.03	-6.97	355.7	0.000	0.000	-0.22	-0.12	Fully	Non-European ethnicity	-0.17	0.02	-6.94	381.5	0.000	0.000	-0.22	-0.12
ш.	BMI (z-score)	0.04	0.01	3.07	105.4	0.003	0.012	0.02	0.07	II.	BMI (z-score)	0.04	0.01	2.86	108.7	0.005	0.020	0.01	0.06
	Parental education Maternal age	0.02	0.01	3.16 1.78	83.8 86.6	0.002 0.078	0.004 0.156	0.01	0.03		Parental education Maternal age	0.02 0.01	0.01	3.10 1.72	80.4 83.2	0.003	0.006 0.180	0.01	0.03
	waterial age	0.01		natter volu			0.100	0.00	0.01		waterial age	0.01		natter volu			0.100	0.00	0.01
	(Intercept)	-1.00	0.45	-2.24	193.2	0.026	0.038	-1.89	-0.12		(Intercept)	-0.88	0.44	-2.01	214.0	0.045	0.045	-1.75	-0.02
<u>e</u> ~	SBP (z-score)	-0.04	0.01	-3.29	176.5	0.001	0.008	-0.07	-0.02	<u>Б</u> ~	DBP (z-score)	-0.05	0.02	-3.62	68.0	0.001	0.004	-0.08	-0.02
Base model $(R^2 = .11)$	Female sex	-0.61	0.03	-22.49	87.1	0.000	0.000	-0.67	-0.56	: model = .11)	Female sex	-0.61	0.03	-22.25	84.1	0.000	0.000	-0.67	-0.56
Base (R ²	Age at MRI	-0.10	0.04	-2.47	91.3	0.015	0.120	-0.18	-0.02	Base (R ² :	Age at MRI	-0.10	0.04	-2.51	93.7	0.014	0.112	-0.18	-0.02
	Age delta Height	0.05	0.04	1.35 7.49	62.6 59.6	0.181	0.724	-0.03 0.01	0.13		Age delta Height	0.06	0.04	1.36 7.11	61.2 55.8	0.178	0.712 0.000	-0.03 0.01	0.14 0.02
\vdash	(Intercept)	-1.43	0.00	-3.06	155.7	0.000	0.000	-2.36	-0.51	\vdash	(Intercept)	-1.33	0.00	-2.87	158.5	0.000	0.000	-2.25	-0.41
	SBP (z-score)	-0.04	0.01	-2.93	151.3	0.004	0.016	-0.06	-0.01		DBP (z-score)	-0.05	0.02	-3.09	64.3	0.003	0.006	-0.08	-0.02
- R	Female sex	-0.62	0.03	-22.58	84.6	0.000	0.000	-0.67	-0.56	- Se	Female sex	-0.61	0.03	-22.38	82.0	0.000	0.000	-0.67	-0.56
adjusted model $(R^2 = .13)$	Age at MRI	-0.06	0.04	-1.42	94.3	0.160	0.256	-0.14	0.02	model 3)	Age at MRI	-0.06	0.04	-1.44	96.4	0.152	0.243	-0.14	0.02
n pated n = .13)	Age delta	0.02	0.04	0.47	63.2	0.639	0.830	-0.06	0.10	adjusted r (R² = .13)	Age delta	0.02	0.04	0.50	62.2	0.622	0.837	-0.06	0.10
, adju	Height	0.02 -0.19	0.00	6.54	59.3 186.8	0.000	0.000	0.01 -0.24	0.02	adj (R ²	Height	0.02	0.00	6.23 -7.18	56.1	0.000	0.000	0.01	0.02
Fully	Non-European ethnicity BMI (z-score)	0.03	0.03	-7.20 2.53	149.9	0.000 0.012	0.000	0.01	-0.14 0.06	Fully	Non-European ethnicity BMI (z-score)	-0.19 0.03	0.03	2.18	196.6 169.4	0.000	0.000 0.062	-0.24 0.00	-0.14 0.05
	Parental education	0.02	0.01	3.19	61.9	0.002	0.004	0.01	0.03		Parental education	0.02	0.01	3.15	60.8	0.003	0.006	0.01	0.03
	Maternal age	0.01	0.00	2.37	144.5	0.019	0.076	0.00	0.01		Maternal age	0.01	0.00	2.30	137.8	0.023	0.092	0.00	0.01
	Maternal age		Global fra	actional ar	nisotropy	(FA)							Global fra	actional an	isotropy	(FA)			
	(Intercept)	-1.03	Global fra 0.48	-2.15	183.6	(FA) 0.033	0.038	-1.97	-0.09		(Intercept)	-1.03	Global fra 0.47	-2.18	190.3	(FA) 0.030	0.040	-1.96	-0.10
odel 31)	(Intercept) SBP (z-score)	-1.03 0.00	0.48 0.02	-2.15 -0.02	183.6 86.6	(FA) 0.033 0.984	0.038 0.984	-1.97 -0.03	-0.09 0.03	odel 01)	(Intercept) DBP (z-score)	-1.03 0.00	0.47 0.02	-2.18 -0.13	190.3 85.8	(FA) 0.030 0.898	0.040 0.940	-1.96 -0.03	-0.10 0.03
se model R ² <.01)	(Intercept) SBP (z-score) Female sex	-1.03	Global fra 0.48	-2.15	183.6	(FA) 0.033	0.038	-1.97	-0.09 0.03 0.02	se model 2 ² <.01)	(Intercept) DBP (z-score) Female sex	-1.03	Global fra 0.47	-2.18	190.3	(FA) 0.030	0.040	-1.96 -0.03 -0.08	-0.10 0.03 0.02
Base model (R ² <.01)	(Intercept) SBP (z-score)	-1.03 0.00 -0.03	0.48 0.02 0.03	-2.15 -0.02 -1.15	183.6 86.6 145.2	0.033 0.984 0.253	0.038 0.984 0.253	-1.97 -0.03 -0.08	-0.09 0.03	Base model (R ² <.01)	(Intercept) DBP (z-score)	-1.03 0.00 -0.03	0.47 0.02 0.03	-2.18 -0.13 -1.14	190.3 85.8 143.8	0.030 0.898 0.256	0.040 0.940 0.256	-1.96 -0.03	-0.10 0.03
Base model (R ² <.01)	(Intercept) SBP (z-score) Female sex Age at MRI	-1.03 0.00 -0.03 0.04 0.02 0.00	0.48 0.02 0.03 0.04 0.04 0.00	-2.15 -0.02 -1.15 0.88 0.49 1.55	183.6 86.6 145.2 148.0 113.5 108.6	0.033 0.984 0.253 0.380 0.624 0.124	0.038 0.984 0.253 0.434 0.830 0.198	-1.97 -0.03 -0.08 -0.04 -0.06 0.00	-0.09 0.03 0.02 0.11 0.09 0.01		(Intercept) DBP (z-score) Female sex Age at MRI	-1.03 0.00 -0.03 0.04 0.02 0.00	0.47 0.02 0.03 0.04 0.04 0.00	-2.18 -0.13 -1.14 0.88 0.49 1.60	190.3 85.8 143.8 147.4 112.6 117.8	0.030 0.898 0.256 0.378 0.628 0.112	0.040 0.940 0.256 0.432 0.837 0.179	-1.96 -0.03 -0.08 -0.04 -0.06 0.00	-0.10 0.03 0.02 0.11 0.09 0.01
Base model (R ² <.01)	(Intercept) SBP (z-score) Female sex Age at MRI Age delta Height (Intercept)	-1.03 0.00 -0.03 0.04 0.02 0.00 -1.26	0.48 0.02 0.03 0.04 0.04 0.00 0.51	-2.15 -0.02 -1.15 0.88 0.49 1.55 -2.46	183.6 86.6 145.2 148.0 113.5 108.6	0.033 0.984 0.253 0.380 0.624 0.124 0.015	0.038 0.984 0.253 0.434 0.830 0.198 0.030	-1.97 -0.03 -0.08 -0.04 -0.06 0.00 -2.27	-0.09 0.03 0.02 0.11 0.09 0.01 -0.25		(Intercept) DBP (z-score) Female sex Age at MRI Age delta Height (Intercept)	-1.03 0.00 -0.03 0.04 0.02 0.00 -1.27	0.47 0.02 0.03 0.04 0.04 0.00 0.51	-2.18 -0.13 -1.14 0.88 0.49 1.60 -2.50	190.3 85.8 143.8 147.4 112.6 117.8	0.030 0.898 0.256 0.378 0.628 0.112 0.014	0.040 0.940 0.256 0.432 0.837 0.179 0.028	-1.96 -0.03 -0.08 -0.04 -0.06 0.00	-0.10 0.03 0.02 0.11 0.09 0.01 -0.26
	(Intercept) SBP (z-score) Female sex Age at MRI Age delta Height (Intercept) SBP (z-score)	-1.03 0.00 -0.03 0.04 0.02 0.00 -1.26 0.00	0.48 0.02 0.03 0.04 0.04 0.00 0.51	-2.15 -0.02 -1.15 0.88 0.49 1.55 -2.46	183.6 86.6 145.2 148.0 113.5 108.6 133.0	(FA) 0.033 0.984 0.253 0.380 0.624 0.124 0.015 0.809	0.038 0.984 0.253 0.434 0.830 0.198 0.030	-1.97 -0.03 -0.08 -0.04 -0.06 0.00 -2.27 -0.03	-0.09 0.03 0.02 0.11 0.09 0.01 -0.25 0.03	Base (R ² ·	(Intercept) DBP (z-score) Female sex Age at MRI Age delta Height (Intercept) DBP (z-score)	-1.03 0.00 -0.03 0.04 0.02 0.00 -1.27 0.00	0.47 0.02 0.03 0.04 0.04 0.00 0.51	-2.18 -0.13 -1.14 0.88 0.49 1.60 -2.50 0.08	190.3 85.8 143.8 147.4 112.6 117.8 135.6 80.6	0.030 0.898 0.256 0.378 0.628 0.112 0.014	0.040 0.940 0.256 0.432 0.837 0.179 0.028	-1.96 -0.03 -0.08 -0.04 -0.06 0.00 -2.27 -0.03	-0.10 0.03 0.02 0.11 0.09 0.01 -0.26 0.03
	(Intercept) SBP (z-score) Female sex Age at MRI Age delta Height (Intercept) SBP (z-score) Female sex	-1.03 0.00 -0.03 0.04 0.02 0.00 -1.26 0.00 -0.03	0.48 0.02 0.03 0.04 0.04 0.00 0.51 0.02	-2.15 -0.02 -1.15 0.88 0.49 1.55 -2.46 0.24 -1.17	183.6 86.6 145.2 148.0 113.5 108.6 133.0 102.5	0.033 0.984 0.253 0.380 0.624 0.124 0.015 0.809	0.038 0.984 0.253 0.434 0.830 0.198 0.030 0.925	-1.97 -0.03 -0.08 -0.04 -0.06 0.00 -2.27 -0.03 -0.08	-0.09 0.03 0.02 0.11 0.09 0.01 -0.25 0.03 0.02	Base (R ² ·	(Intercept) DBP (z-score) Female sex Age at MRI Age delta Height (Intercept) DBP (z-score) Female sex	-1.03 0.00 -0.03 0.04 0.02 0.00 -1.27 0.00 -0.03	0.47 0.02 0.03 0.04 0.04 0.00 0.51 0.02 0.03	-2.18 -0.13 -1.14 0.88 0.49 1.60 -2.50 0.08 -1.16	190.3 85.8 143.8 147.4 112.6 117.8 135.6 80.6	(FA) 0.030 0.898 0.256 0.378 0.628 0.112 0.014 0.940 0.247	0.040 0.940 0.256 0.432 0.837 0.179 0.028 0.940	-1.96 -0.03 -0.08 -0.04 -0.06 0.00 -2.27 -0.03 -0.08	-0.10 0.03 0.02 0.11 0.09 0.01 -0.26 0.03 0.02
	(Intercept) SBP (z-score) Female sex Age at MRI Age delta Height (Intercept) SBP (z-score) Female sex Age at MRI	-1.03 0.00 -0.03 0.04 0.02 0.00 -1.26 0.00 -0.03	0.48 0.02 0.03 0.04 0.04 0.00 0.51	-2.15 -0.02 -1.15 0.88 0.49 1.55 -2.46	183.6 86.6 145.2 148.0 113.5 108.6 133.0	(FA) 0.033 0.984 0.253 0.380 0.624 0.124 0.015 0.809	0.038 0.984 0.253 0.434 0.830 0.198 0.030 0.925 0.253	-1.97 -0.03 -0.08 -0.04 -0.06 0.00 -2.27 -0.03	-0.09 0.03 0.02 0.11 0.09 0.01 -0.25 0.03 0.02 0.13	model Base (R ² -	(Intercept) DBP (z-score) Female sex Age at MRI Age delta Height (Intercept) DBP (z-score) Female sex Age at MRI	-1.03 0.00 -0.03 0.04 0.02 0.00 -1.27 0.00 -0.03 0.05	0.47 0.02 0.03 0.04 0.04 0.00 0.51	-2.18 -0.13 -1.14 0.88 0.49 1.60 -2.50 0.08	190.3 85.8 143.8 147.4 112.6 117.8 135.6 80.6 145.5	0.030 0.898 0.256 0.378 0.628 0.112 0.014	0.040 0.940 0.256 0.432 0.837 0.179 0.028 0.940 0.256 0.307	-1.96 -0.03 -0.08 -0.04 -0.06 0.00 -2.27 -0.03 -0.08 -0.03	-0.10 0.03 0.02 0.11 0.09 0.01 -0.26 0.03 0.02 0.13
	(Intercept) SBP (z-score) Female sex Age at MRI Age delta Height (Intercept) SBP (z-score) Female sex	-1.03 0.00 -0.03 0.04 0.02 0.00 -1.26 0.00 -0.03	0.48 0.02 0.03 0.04 0.04 0.00 0.51 0.02 0.03 0.04	-2.15 -0.02 -1.15 0.88 0.49 1.55 -2.46 0.24 -1.17	183.6 86.6 145.2 148.0 113.5 108.6 133.0 102.5 147.7 147.2	(FA) 0.033 0.984 0.253 0.380 0.624 0.124 0.015 0.809 0.243 0.232	0.038 0.984 0.253 0.434 0.830 0.198 0.030 0.925	-1.97 -0.03 -0.08 -0.04 -0.06 -0.00 -2.27 -0.03 -0.08 -0.03	-0.09 0.03 0.02 0.11 0.09 0.01 -0.25 0.03 0.02	model Base (R ² -	(Intercept) DBP (z-score) Female sex Age at MRI Age delta Height (Intercept) DBP (z-score) Female sex	-1.03 0.00 -0.03 0.04 0.02 0.00 -1.27 0.00 -0.03	0.47 0.02 0.03 0.04 0.04 0.00 0.51 0.02 0.03	-2.18 -0.13 -1.14 0.88 0.49 1.60 -2.50 0.08 -1.16 1.21	190.3 85.8 143.8 147.4 112.6 117.8 135.6 80.6	(FA) 0.030 0.898 0.256 0.378 0.628 0.112 0.014 0.940 0.247 0.230	0.040 0.940 0.256 0.432 0.837 0.179 0.028 0.940	-1.96 -0.03 -0.08 -0.04 -0.06 0.00 -2.27 -0.03 -0.08	-0.10 0.03 0.02 0.11 0.09 0.01 -0.26 0.03 0.02
adjusted model (R² <.01)	(Intercept) SBP (z-score) Female sex Age at MRI Age delta Height (Intercept) SBP (z-score) Female sex Age at MRI Age delta	-1.03 0.00 -0.03 0.04 0.02 0.00 -1.26 0.00 -0.03 0.05 0.01	0.48 0.02 0.03 0.04 0.04 0.00 0.51 0.02 0.03 0.04 0.00	-2.15 -0.02 -1.15 0.88 0.49 1.55 -2.46 0.24 -1.17 1.20	183.6 86.6 145.2 148.0 113.5 108.6 133.0 102.5 147.7 147.2	(FA) 0.033 0.984 0.253 0.380 0.624 0.124 0.015 0.809 0.243 0.232 0.830	0.038 0.984 0.253 0.434 0.830 0.198 0.030 0.925 0.253 0.309 0.830	-1.97 -0.03 -0.08 -0.04 -0.06 0.00 -2.27 -0.03 -0.08 -0.03	-0.09 0.03 0.02 0.11 0.09 0.01 -0.25 0.03 0.02 0.13 0.08	adjusted model Base (R² < .01) (R² ·	(Intercept) DBP (z-score) Female sex Age at MRI Age delta Height (Intercept) DBP (z-score) Female sex Age at MRI Age delta	-1.03 0.00 -0.03 0.04 0.02 0.00 -1.27 0.00 -0.03 0.05 0.01	0.47 0.02 0.03 0.04 0.04 0.00 0.51 0.02 0.03 0.04 0.00	-2.18 -0.13 -1.14 0.88 0.49 1.60 -2.50 0.08 -1.16 1.21	190.3 85.8 143.8 147.4 112.6 117.8 135.6 80.6 145.5 145.8 116.0	(FA) 0.030 0.898 0.256 0.378 0.628 0.112 0.014 0.940 0.247 0.230 0.837	0.040 0.940 0.256 0.432 0.837 0.179 0.028 0.940 0.256 0.307 0.837	-1.96 -0.03 -0.08 -0.04 -0.06 0.00 -2.27 -0.03 -0.08 -0.03 -0.07	-0.10 0.03 0.02 0.11 0.09 0.01 -0.26 0.03 0.02 0.13 0.08
	(Intercept) SBP (z-score) Female sex Age at MRI Age delta Height (Intercept) SBP (z-score) Female sex Age at MRI Age delta Height Non-European ethnicity BMI (z-score)	-1.03 0.00 -0.03 0.04 0.02 0.00 -1.26 0.00 -0.03 0.05 0.01 0.00 -0.03 0.00	Global fr: 0.48 0.02 0.03 0.04 0.04 0.00 0.51 0.02 0.03 0.04 0.04 0.00 0.03 0.02	-2.15 -0.02 -1.15 0.88 0.49 1.55 -2.46 0.24 -1.17 1.20 0.22 1.37 -1.13	183.6 86.6 145.2 148.0 113.5 108.6 133.0 102.5 147.7 147.2 117.1 107.8 115.3 72.6	(FA) 0.033 0.984 0.253 0.380 0.624 0.124 0.015 0.809 0.243 0.232 0.830 0.172 0.262 0.896	0.038 0.984 0.253 0.434 0.830 0.198 0.030 0.925 0.253 0.309 0.830 0.229 0.349 0.896	-1.97 -0.03 -0.08 -0.04 -0.06 -0.00 -2.27 -0.03 -0.08 -0.03 -0.07 -0.00 -0.09 -0.03	-0.09 0.03 0.02 0.11 0.09 0.01 -0.25 0.03 0.02 0.13 0.08 0.01 0.03 0.03	model Base (R ² -	(Intercept) DBP (z-score) Female sex Age at MRI Age delta Height (Intercept) DBP (z-score) Female sex Age at MRI Age delta Height Non-European ethnicity BMI (z-score)	-1.03 0.00 -0.03 0.04 0.02 0.00 -1.27 0.00 -0.03 0.05 0.01 0.00 -0.03 0.00	0.47 0.02 0.03 0.04 0.04 0.00 0.51 0.02 0.03 0.04 0.00 0.03	-2.18 -0.13 -1.14 0.88 0.49 1.60 -2.50 0.08 -1.16 1.21 0.21 1.44 -1.12 -0.08	190.3 85.8 143.8 147.4 112.6 117.8 135.6 80.6 145.5 145.8 116.0 116.8 113.1 63.9	(FA) 0.030 0.898 0.256 0.378 0.628 0.112 0.014 0.940 0.247 0.230 0.837 0.153 0.264 0.938	0.040 0.940 0.256 0.432 0.837 0.179 0.028 0.940 0.256 0.307 0.837 0.204 0.352	-1.96 -0.03 -0.08 -0.04 -0.06 -0.00 -2.27 -0.03 -0.08 -0.03 -0.07 -0.00 -0.09 -0.03	-0.10 0.03 0.02 0.11 0.09 0.01 -0.26 0.03 0.02 0.13 0.08 0.01 0.03 0.03
adjusted model (R ² <.01)	(Intercept) SBP (z-score) Female sex Age at MRI Age delta Height (Intercept) SBP (z-score) Female sex Age at MRI Age delta Height Non-European ethnicity BMI (z-score) Parental education	-1.03 0.00 -0.03 0.04 0.02 0.00 -1.26 0.00 -0.03 0.05 0.01 0.00 -0.03 0.00 0.00	Global fr: 0.48 0.02 0.03 0.04 0.04 0.00 0.51 0.02 0.03 0.04 0.04 0.00 0.03 0.02 0.01	-2.15 -0.02 -1.15 0.88 0.49 1.55 -2.46 0.24 -1.17 1.20 0.22 1.37 -1.13 -0.13 1.25	183.6 86.6 145.2 148.0 113.5 108.6 133.0 102.5 147.7 147.2 117.1 107.8 115.3 72.6 314.7	(FA) 0.033 0.984 0.253 0.380 0.624 0.124 0.015 0.809 0.243 0.232 0.830 0.172 0.262 0.896 0.211	0.038 0.984 0.253 0.434 0.830 0.198 0.030 0.925 0.253 0.309 0.830 0.229 0.349 0.896 0.281	-1.97 -0.03 -0.08 -0.04 -0.06 -0.00 -2.27 -0.03 -0.08 -0.03 -0.07 -0.00 -0.09 -0.03	-0.09 0.03 0.02 0.11 0.09 0.01 -0.25 0.03 0.02 0.13 0.08 0.01 0.03 0.03 0.02	adjusted model Base (R² < .01) (R² ·	(Intercept) DBP (z-score) Female sex Age at MRI Age delta Height (Intercept) DBP (z-score) Female sex Age at MRI Age delta Height Non-European ethnicity BMI (z-score) Parental education	-1.03 0.00 -0.03 0.04 0.02 0.00 -1.27 0.00 -0.03 0.05 0.01 0.00 -0.03 0.00 0.00	0.47 0.02 0.03 0.04 0.04 0.00 0.51 0.02 0.03 0.04 0.04 0.00 0.03 0.04 0.00	-2.18 -0.13 -1.14 -0.88 -0.49 -1.60 -2.50 -1.16 -1.21 -0.21 -1.44 -1.12 -0.08 -1.24	190.3 85.8 143.8 147.4 112.6 117.8 135.6 80.6 145.5 145.8 116.0 116.8 113.1 63.9 286.9	(FA) 0.030 0.898 0.256 0.378 0.628 0.112 0.014 0.940 0.247 0.230 0.837 0.153 0.264 0.938 0.217	0.040 0.940 0.256 0.432 0.837 0.179 0.028 0.940 0.256 0.307 0.837 0.204 0.352 0.938	-1.96 -0.03 -0.08 -0.04 -0.06 -0.00 -2.27 -0.03 -0.08 -0.07 -0.00 -0.09 -0.03 -0.00	-0.10 0.03 0.02 0.11 0.09 0.01 -0.26 0.03 0.02 0.13 0.08 0.01 0.03 0.03 0.03
adjusted model (R ² <.01)	(Intercept) SBP (z-score) Female sex Age at MRI Age delta Height (Intercept) SBP (z-score) Female sex Age at MRI Age delta Height Non-European ethnicity BMI (z-score)	-1.03 0.00 -0.03 0.04 0.02 0.00 -1.26 0.00 -0.03 0.05 0.01 0.00 -0.03 0.00	Global fr: 0.48 0.02 0.03 0.04 0.04 0.00 0.51 0.02 0.03 0.04 0.04 0.00 0.03 0.04 0.00 0.03 0.02 0.01	-2.15 -0.02 -1.15 0.88 0.49 1.55 -2.46 0.24 -1.17 1.20 0.22 1.37 -1.13 -0.13 1.25 1.13	183.6 86.6 145.2 148.0 113.5 108.6 133.0 102.5 147.7 147.2 117.1 107.8 115.3 72.6 314.7 75.2	(FA) 0.033 0.984 0.253 0.380 0.624 0.124 0.015 0.809 0.243 0.232 0.830 0.172 0.262 0.896 0.211 0.262	0.038 0.984 0.253 0.434 0.830 0.198 0.030 0.925 0.253 0.309 0.830 0.229 0.349 0.896	-1.97 -0.03 -0.08 -0.04 -0.06 -0.00 -2.27 -0.03 -0.08 -0.03 -0.07 -0.00 -0.09 -0.03	-0.09 0.03 0.02 0.11 0.09 0.01 -0.25 0.03 0.02 0.13 0.08 0.01 0.03 0.03	adjusted model Base (R² < .01) (R² ·	(Intercept) DBP (z-score) Female sex Age at MRI Age delta Height (Intercept) DBP (z-score) Female sex Age at MRI Age delta Height Non-European ethnicity BMI (z-score)	-1.03 0.00 -0.03 0.04 0.02 0.00 -1.27 0.00 -0.03 0.05 0.01 0.00 -0.03 0.00	0.47 0.02 0.03 0.04 0.04 0.00 0.51 0.02 0.03 0.04 0.04 0.00 0.03 0.02	-2.18 -0.13 -1.14 0.88 0.49 1.60 -2.50 0.08 -1.16 1.21 0.21 1.44 -1.12 -0.08 1.24	190.3 85.8 143.8 147.4 112.6 117.8 135.6 80.6 145.5 145.8 116.0 116.8 113.1 63.9 286.9 75.9	(FA) 0.030 0.898 0.256 0.378 0.628 0.112 0.014 0.940 0.247 0.230 0.153 0.264 0.938 0.217 0.261	0.040 0.940 0.256 0.432 0.837 0.179 0.028 0.940 0.256 0.307 0.837 0.204 0.352	-1.96 -0.03 -0.08 -0.04 -0.06 -0.00 -2.27 -0.03 -0.08 -0.03 -0.07 -0.00 -0.09 -0.03	-0.10 0.03 0.02 0.11 0.09 0.01 -0.26 0.03 0.02 0.13 0.08 0.01 0.03 0.03
adjusted model (R² <.01)	(Intercept) SBP (z-score) Female sex Age at MRI Age delta Height (Intercept) SBP (z-score) Female sex Age at MRI Age delta Height Non-European ethnicity BMI (z-score) Parental education	-1.03 0.00 -0.03 0.04 0.02 0.00 -1.26 0.00 -0.03 0.05 0.01 0.00 -0.03 0.00 0.00	Global fr: 0.48 0.02 0.03 0.04 0.04 0.00 0.51 0.02 0.03 0.04 0.04 0.00 0.03 0.04 0.00 0.03 0.02 0.01	-2.15 -0.02 -1.15 0.88 0.49 1.55 -2.46 0.24 -1.17 1.20 0.22 1.37 -1.13 -0.13 1.25	183.6 86.6 145.2 148.0 113.5 108.6 133.0 102.5 147.7 147.2 117.1 107.8 115.3 72.6 314.7 75.2	(FA) 0.033 0.984 0.253 0.380 0.624 0.124 0.015 0.809 0.243 0.232 0.830 0.172 0.262 0.896 0.211 0.262	0.038 0.984 0.253 0.434 0.830 0.198 0.030 0.925 0.253 0.309 0.830 0.229 0.349 0.896 0.281	-1.97 -0.03 -0.08 -0.04 -0.06 -0.00 -2.27 -0.03 -0.08 -0.03 -0.07 -0.00 -0.09 -0.03	-0.09 0.03 0.02 0.11 0.09 0.01 -0.25 0.03 0.02 0.13 0.08 0.01 0.03 0.03 0.02	adjusted model Base (R² < .01) (R² ·	(Intercept) DBP (z-score) Female sex Age at MRI Age delta Height (Intercept) DBP (z-score) Female sex Age at MRI Age delta Height Non-European ethnicity BMI (z-score) Parental education	-1.03 0.00 -0.03 0.04 0.02 0.00 -1.27 0.00 -0.03 0.05 0.01 0.00 -0.03 0.00 0.00	0.47 0.02 0.03 0.04 0.04 0.00 0.51 0.02 0.03 0.04 0.04 0.00 0.03 0.02	-2.18 -0.13 -1.14 -0.88 -0.49 -1.60 -2.50 -1.16 -1.21 -0.21 -1.44 -1.12 -0.08 -1.24	190.3 85.8 143.8 147.4 112.6 117.8 135.6 80.6 145.5 145.8 116.0 116.8 113.1 63.9 286.9 75.9	(FA) 0.030 0.898 0.256 0.378 0.628 0.112 0.014 0.940 0.247 0.230 0.153 0.264 0.938 0.217 0.261	0.040 0.940 0.256 0.432 0.837 0.179 0.028 0.940 0.256 0.307 0.837 0.204 0.352 0.938	-1.96 -0.03 -0.08 -0.04 -0.06 -0.00 -2.27 -0.03 -0.08 -0.07 -0.00 -0.09 -0.03 -0.00	-0.10 0.03 0.02 0.11 0.09 0.01 -0.26 0.03 0.02 0.13 0.08 0.01 0.03 0.03 0.03
Fully adjusted model (R ² <.01)	(Intercept) SBP (z-score) Female sex Age at MRI Age delta Height (Intercept) SBP (z-score) Female sex Age at MRI Age delta Height Non-European ethnicity BMI (z-score) Parental education Maternal age	-1.03 0.00 -0.03 0.04 0.02 0.00 -1.26 0.00 -0.03 0.05 0.01 0.00 -0.03	Global fr: 0.48 0.02 0.03 0.04 0.04 0.00 0.51 0.02 0.03 0.04 0.04 0.00 0.03 0.02 0.01 0.00 Global	-2.15 -0.02 -1.15 0.88 0.49 1.55 -2.46 0.24 -1.17 1.20 0.22 1.37 -1.13 -0.13 1.25 1.13	183.6 86.6 145.2 148.0 113.5 108.6 133.0 102.5 147.7 147.2 117.1 107.8 115.3 72.6 314.7 75.2	(FA) 0.033 0.984 0.253 0.380 0.624 0.124 0.015 0.809 0.243 0.232 0.830 0.172 0.262 0.896 0.211 0.262	0.038 0.984 0.253 0.434 0.830 0.198 0.030 0.925 0.253 0.309 0.830 0.229 0.349 0.896 0.281 0.349	-1.97 -0.03 -0.08 -0.04 -0.06 0.00 -2.27 -0.03 -0.08 -0.07 -0.00 -0.09 -0.03 0.00 0.00	-0.09 0.03 0.02 0.11 0.09 0.01 -0.25 0.03 0.02 0.13 0.08 0.01 0.03 0.03 0.02 0.01	Fully adjusted model Base (R ² <.01) (R ²	(Intercept) DBP (z-score) Female sex Age at MRI Age delta Height (Intercept) DBP (z-score) Female sex Age at MRI Age delta Height Non-European ethnicity BMI (z-score) Parental education Maternal age	-1.03 0.00 -0.03 0.04 0.02 0.00 -1.27 0.00 -0.03 0.05 0.01 0.00 -0.03 0.00 0.01 0.00	0.47 0.02 0.03 0.04 0.00 0.51 0.02 0.03 0.04 0.00 0.51 0.02 0.03 0.04 0.00 0.03 0.02 0.01 0.00 Global i	-2.18 -0.13 -1.14 -0.88 -0.49 -1.60 -2.50 -0.08 -1.16 -1.21 -0.21 -1.42 -1.12 -0.08 -1.13 mean diffu	190.3 85.8 143.8 147.4 112.6 117.8 135.6 80.6 145.5 145.8 116.0 116.8 113.1 63.9 286.9 75.9	(FA) 0.030 0.898 0.256 0.378 0.628 0.112 0.014 0.940 0.247 0.230 0.837 0.153 0.264 0.938 0.217 0.261	0.040 0.940 0.256 0.432 0.837 0.179 0.028 0.940 0.256 0.307 0.837 0.204 0.352 0.938 0.289	-1.96 -0.03 -0.08 -0.04 -0.06 0.00 -2.27 -0.03 -0.08 -0.07 -0.00 -0.09 -0.03 0.00 0.00	-0.10 0.03 0.02 0.11 0.09 0.01 -0.26 0.03 0.02 0.13 0.08 0.01 0.03 0.03 0.02
model Fully adjusted model (R ² <.01)	(Intercept) SBP (z-score) Female sex Age at MRI Age delta Height (Intercept) SBP (z-score) Female sex Age at MRI Age delta Height Non-European ethnicity BMI (z-score) Parental education Maternal age (Intercept) SBP (z-score) Female sex	-1.03 0.00 -0.03 0.04 0.02 0.00 -1.26 0.00 -0.03 0.05 0.01 0.00 -0.03 0.00 -0.03 0.00 -0.03	Global fr: 0.48 0.02 0.03 0.04 0.04 0.00 0.51 0.02 0.03 0.04 0.04 0.00 0.03 0.02 0.01 0.05 Global 0.54 0.02	-2.15 -0.02 -1.15 -0.8 0.49 1.55 -2.46 0.24 -1.17 1.20 0.22 1.37 -1.13 -0.13 1.25 1.31 mean difference of the control of the c	183.6 86.6 145.2 148.0 113.5 108.6 133.0 102.5 147.7 147.2 117.1 107.8 115.3 72.6 314.7 75.7 185.4	(FA) 0.033 0.984 0.253 0.380 0.624 0.124 0.015 0.809 0.243 0.232 0.830 0.172 0.262 0.896 0.211 0.262 D) 0.029 0.336 0.000	0.038 0.984 0.253 0.434 0.830 0.198 0.030 0.925 0.253 0.309 0.830 0.229 0.349 0.281 0.349	-1.97 -0.03 -0.08 -0.04 -0.06 -0.06 -0.09 -0.03 -0.09 -0.03 -0.09 -0.03 -0.00 -0.00 -0.00	-0.09 0.03 0.02 0.11 0.09 0.01 -0.25 0.03 0.02 0.13 0.08 0.01 0.03 0.03 0.02 0.01	model Fully adjusted model Base (\mathbb{R}^2 < 0.1) (\mathbb{R}^2 (\mathbb{R}^2	(Intercept) DBP (z-score) Female sex Age at MRI Age delta Height (Intercept) DBP (z-score) Female sex Age at MRI Age delta Height Non-European ethnicity BMI (z-score) Parental education Maternal age (Intercept) DBP (z-score) Female sex	-1.03 0.00 -0.03 0.04 0.02 0.00 -1.27 0.00 -0.03 0.05 0.01 0.00 -0.03 0.00 -0.03 0.00 -0.03 -0.00 -0.01 -0.00 -0.01 -0.00 -0.01 -0.00 -0.01	0.47 0.02 0.03 0.04 0.00 0.51 0.02 0.03 0.04 0.00 0.51 0.02 0.03 0.04 0.04 0.00 0.03 0.02 0.01 0.055 0.02 0.03	-2.18 -0.13 -1.14 -0.88 -0.49 -1.60 -2.50 -0.08 -1.16 -1.21 -0.21 -1.44 -1.12 -0.08 -1.24 -1.12	190.3 85.8 143.8 147.4 112.6 117.8 135.6 80.6 145.5 145.8 116.0 116.8 113.1 63.9 286.9 75.9 75.7	(FA) 0.030 0.898 0.256 0.378 0.628 0.112 0.014 0.940 0.247 0.230 0.837 0.153 0.264 0.938 0.217 0.000	0.040 0.940 0.256 0.432 0.837 0.179 0.028 0.940 0.256 0.307 0.837 0.204 0.352 0.938 0.289 0.348	-1.96 -0.03 -0.08 -0.04 -0.06 -0.00 -2.27 -0.03 -0.08 -0.09 -0.00 -0.09 -0.00 -0.00 -0.00 -0.00 -0.00 -0.00	-0.10 0.03 0.02 0.11 0.09 0.01 -0.26 0.03 0.02 0.13 0.08 0.01 0.03 0.03 0.02 0.11 2.34 0.02 -0.06
model Fully adjusted model (R ² <.01)	(Intercept) SBP (z-score) Female sex Age at MRI Age delta Height (Intercept) SBP (z-score) Female sex Age at MRI Age delta Height Non-European ethnicity BMI (z-score) Parental education Maternal age (Intercept) SBP (z-score) Female sex Age at MRI Age delta Height Non-European ethnicity BMI (z-score) Parental education (Intercept) SBP (z-score) Female sex Age at MRI	-1.03 0.00 -0.03 0.04 0.02 0.00 -1.26 0.00 -0.03 0.05 0.01 0.00 -0.03 0.00 -0.03 0.00 -0.03 0.00 -0.01 0.00 -0.01 0.00 -0.03 0.00 -0.03 0.00 -0.03 0.00 -0.03 0.00 -0.03 0.00 -0.03 0.00 -0.03 0.00 -0.03 0.00 -0.03 0.00 -0.03 0.00 -0.03 0.00 -0.03 0.00 -0.03 0.00 -0.03 0.00 -0.03 0.00 -0.03 0.00 -0.03 0.00 -0.03 0.00 -0.03 0.00 -0.00	Global fr: 0.48 0.02 0.03 0.04 0.04 0.00 0.51 0.02 0.03 0.04 0.04 0.00 0.03 0.02 0.01 0.00 Global 0.54 0.02 0.03 0.05	-2.15 -0.02 -1.15 0.88 0.49 1.55 -2.46 0.24 -1.17 1.20 0.22 1.37 -1.13 1.25 1.13 mean difft 2.22 -0.97 -4.20 -1.73	183.6 86.6 145.2 148.0 113.5 108.6 133.0 102.5 147.7 147.2 117.1 107.8 115.3 72.6 314.7 75.2 usivity (MI 83.4 75.7 152.6 67.2	(FA) 0.033 0.984 0.253 0.380 0.624 0.124 0.015 0.809 0.243 0.232 0.830 0.172 0.262 0.896 0.211 0.262 D) 0.029 0.336 0.300 0.088	0.038 0.984 0.253 0.434 0.830 0.198 0.030 0.925 0.253 0.309 0.830 0.229 0.349 0.389 0.281 0.349	-1.97 -0.03 -0.08 -0.04 -0.06 -0.00 -2.27 -0.03 -0.08 -0.03 -0.07 -0.00 -0.09 -0.03 -0.00 -0.00 -0.013 -0.06 -0.16 -0.17	-0.09 0.03 0.02 0.11 0.09 0.01 -0.25 0.03 0.02 0.13 0.08 0.01 0.03 0.03 0.02 0.01	model Fully adjusted model Base (\mathbb{R}^2 < 0.1) (\mathbb{R}^2 (\mathbb{R}^2	(Intercept) DBP (z-score) Female sex Age at MRI Age delta Height (Intercept) DBP (z-score) Female sex Age at MRI Age delta Height Non-European ethnicity BMI (z-score) Parental education Maternal age (Intercept) DBP (z-score) Females sex Age at MRI Age delta Height Non-European ethnicity BMI (z-score) Parental education Maternal age	-1.03 0.00 -0.03 0.04 0.02 0.00 -1.27 0.00 -0.03 0.05 0.01 0.00 -0.03 0.00 1.25 -0.02 -0.01 -0.00	0.47 0.02 0.03 0.04 0.04 0.00 0.51 0.02 0.03 0.04 0.00 0.01 0.00 0.00 0.00 0.00 0.00	-2.18 -0.13 -1.14 0.88 0.49 1.60 -2.50 0.08 -1.16 1.21 0.21 1.44 -1.12 -0.08 1.24 1.13 mean diffu 2.29 -1.01 -4.17 -1.75	190.3 85.8 143.8 147.4 112.6 117.8 135.6 80.6 145.5 145.8 116.0 116.8 113.1 63.9 286.9 75.9 rsivity (MI 77.8 75.7 148.4 67.9	(FA) 0.030 0.898 0.256 0.378 0.628 0.112 0.014 0.940 0.247 0.230 0.837 0.264 0.938 0.217 0.261 0.0025 0.0317 0.0000 0.085	0.040 0.940 0.256 0.432 0.837 0.179 0.028 0.940 0.256 0.307 0.837 0.204 0.352 0.938 0.289 0.348	-1.96 -0.03 -0.08 -0.04 -0.06 -0.00 -2.27 -0.03 -0.08 -0.03 -0.07 -0.00 -0.09 -0.03 -0.00 -0.00 -0.017	-0.10 0.03 0.02 0.11 -0.26 0.03 0.02 0.13 0.02 0.13 0.08 0.01 0.03 0.03 0.02 0.01 -0.06 0.01
Fully adjusted model (R ² <.01)	(Intercept) SBP (z-score) Female sex Age at MRI Age delta Height (Intercept) SBP (z-score) Female sex Age at MRI Age delta Height Non-European ethnicity BMI (z-score) Parental education Maternal age (Intercept) SBP (z-score) Female sex Age at MRI Age delta Age det MRI Age delta Age delta	-1.03 0.00 -0.03 0.04 0.02 0.00 -1.26 0.00 -0.03 0.00 -0.03 0.00 0.01 0.00 -1.20 0.01 0.00 -0.03 -0.04 -0.04 -0.05 -	Global fin 0.48 0.02 0.03 0.04 0.04 0.04 0.00 0.51 0.02 0.03 0.04 0.00 0.01 0.00 Global 0.04 0.03 0.05 0.04	-2.15 -0.02 -1.15 0.88 0.49 1.55 -2.46 0.24 -1.17 1.20 0.22 1.37 -1.13 -0.13 mean diffe 2.22 -0.97 -4.73 -0.28	183.6 86.6 145.2 148.0 113.5 108.6 133.0 102.5 147.7 147.2 117.1 107.8 115.3 72.6 314.7 75.2 usivity (MI 83.4 75.7 152.6	(FA) 0.033 0.984 0.253 0.380 0.624 0.124 0.015 0.809 0.243 0.232 0.830 0.172 0.262 0.891 0.262 0.890 0.271 0.262 0.890	0.038 0.984 0.253 0.434 0.830 0.198 0.030 0.925 0.253 0.309 0.830 0.229 0.349 0.896 0.281 0.349	-1.97 -0.03 -0.08 -0.04 -0.06 -0.00 -2.27 -0.03 -0.07 -0.00 -0.09 -0.03 -0.00 -0.13 -0.05 -0.16 -0.17 -0.09	-0.09 0.03 0.02 0.11 0.09 0.01 -0.25 0.03 0.02 0.01 0.03 0.03 0.00 0.01 0.03 0.02 0.01 2.28 0.01 0.02 0.01 0.03	Fully adjusted model Base (R ² <.01) (R ²	(Intercept) DBP (z-score) Female sex Age at MRI Age delta Height (Intercept) DBP (z-score) Female sex Age at MRI Age delta Height Non-European ethnicity BMI (z-score) Parental education Maternal age (Intercept) DBP (z-score) Female sex Age at MRI Age delta Age delta Age delta	-1.03 0.00 -0.03 0.04 0.02 0.00 -1.27 0.00 -0.03 0.05 0.01 0.00 -0.03 0.00 -1.25 -0.01 -0.00	Giobal fra 0.47 0.02 0.03 0.04 0.04 0.04 0.00 0.51 0.02 0.03 0.03 0.04 0.00 0.55 0.01 0.00 0.55 0.02 0.03 0.03 0.03 0.03 0.03 0.05 0.04	-2.18 -0.13 -1.14 -0.88 -0.49 -1.60 -2.50 -0.08 -1.16 -1.21 -0.21 -1.44 -1.12 -0.08 -1.24 -1.13	190.3 85.8 143.8 147.4 112.6 117.8 135.6 80.6 145.5 145.8 116.0 116.8 113.1 63.9 75.9 rsivity (ME 77.8 75.7	(FA) 0.030 0.898 0.256 0.256 0.112 0.014 0.940 0.247 0.153 0.264 0.938 0.267 0.261 0.005 0.005 0.005 0.005 0.005	0.040 0.940 0.256 0.432 0.837 0.179 0.028 0.940 0.256 0.307 0.837 0.204 0.352 0.938 0.289 0.348	-1.96 -0.03 -0.08 -0.06 -0.00 -2.27 -0.03 -0.08 -0.09 -0.09 -0.03 -0.00 -0.00 -0.01 -0.05 -0.17 -0.09	-0.10 0.03 0.02 0.11 0.09 0.01 -0.26 0.03 0.02 0.01 0.03 0.02 0.01 0.03 0.02 0.01 0.03 0.02 0.01 0.03 0.02 0.01 0.03
model Fully adjusted model (R ² <.01)	(Intercept) SBP (z-score) Female sex Age at MRI Age delta Height (Intercept) SBP (z-score) Female sex Age at MRI Age delta Height Non-European ethnicity BMI (z-score) Parental education Maternal age (Intercept) SBP (z-score) Female sex Age at MRI Age delta Height Age delta Height	-1.03	Global find 10.48 0.02 0.03 0.04 0.04 0.04 0.05 0.05 0.02 0.03 0.04 0.04 0.06 0.06 0.07 0.08 0.09 0.09 0.01 0.00 0.01 0.02 0.03 0.02 0.03 0.02 0.03 0.04 0.04 0.05 0.04 0.05 0.04 0.05 0.04 0.00 0.0	-2.15 -0.02 -1.15 -0.88 0.49 1.55 -2.46 0.24 -1.17 1.20 0.22 1.37 -1.13 -0.13 1.25 1.13 mean diffi 2.22 -0.97 -4.20 -1.73 -0.28 0.08	183.6 86.6 145.2 148.0 113.5 108.6 133.0 102.5 147.7 147.2 117.1 107.8 115.3 72.6 314.7 75.2 usivity (MI 83.4 75.7 152.6 67.2 72.6 91.9	(FA) 0.033 0.984 0.253 0.380 0.624 0.124 0.015 0.809 0.243 0.232 0.830 0.172 0.262 0.896 0.211 0.262 0.936 0.000 0.088 0.781 0.936	0.038 0.984 0.253 0.434 0.830 0.198 0.030 0.925 0.263 0.309 0.830 0.229 0.349 0.389 0.281 0.395 0.281 0.395 0.281	-1.97 -0.03 -0.08 -0.04 -0.06 -0.00 -2.27 -0.03 -0.07 -0.00 -0.09 -0.03 -0.00 -0.13 -0.05 -0.17 -0.09 -0.09	-0.09 0.03 0.02 0.11 0.09 0.01 -0.25 0.03 0.02 0.13 0.08 0.01 0.03 0.03 0.02 0.01 0.03 0.00 0.01 0.00 0.01 0.00 0.01 0.00 0.01 0.00	model Fully adjusted model Base (\mathbb{R}^2 < 0.1) (\mathbb{R}^2 (\mathbb{R}^2	(Intercept) DBP (z-score) Female sex Age at MRI Age delta Height (Intercept) DBP (z-score) Female sex Age at MRI Age delta Height Non-European ethnicity BMI (z-score) Parental education Maternal age (Intercept) DBP (z-score) Female sex Age at MRI Age delta Height Age delta Height	-1.03 0.00 -0.03 0.04 0.02 0.00 -1.27 0.00 -0.03 0.05 0.01 0.00 -0.03 0.00 0.01 0.00 -1.25 -0.02 -0.11 -0.08	0.47 0.02 0.03 0.04 0.04 0.04 0.00 0.51 0.02 0.03 0.04 0.00 0.51 0.02 0.03 0.02 0.04 0.00 0.05 0.05 0.00 0.00 0.00 0.00	-2.18 -0.13 -1.14 -0.88 -0.49 -1.60 -2.50 -0.08 -1.16 -1.21 -0.21 -1.44 -1.12 -0.08 -1.24 -1.13 -1.24 -1.13 -1.24 -1.15 -0.27 -0.07	190.3 85.8 143.8 147.4 112.6 117.8 135.6 80.6 145.5 145.8 116.0 116.8 113.1 63.9 286.9 75.9 18ivity (ME 77.8 75.7	(FA) 0.030 0.898 0.256 0.256 0.112 0.014 0.940 0.247 0.153 0.284 0.938 0.256 0.378 0.025 0.378 0.005 0.0789 0.085	0.040 0.940 0.256 0.432 0.837 0.179 0.028 0.940 0.256 0.307 0.837 0.204 0.352 0.938 0.289 0.348	-1.96 -0.03 -0.08 -0.06 -0.00 -0.00 -0.00 -0.07 -0.03 -0.07 -0.00 -0.09 -0.03 -0.00 -0.00 -0.17 -0.05 -0.17 -0.09 -0.17 -0.09 -0.17	-0.10 0.03 0.02 0.11 0.09 0.01 -0.26 0.03 0.02 0.13 0.08 0.01 0.03 0.02 0.01 2.34 0.02 -0.06 0.01 0.07 0.00
model Fully adjusted model (R ² <.01)	(Intercept) SBP (z-score) Female sex Age at MRI Age delta Height (Intercept) SBP (z-score) Female sex Age at MRI Age delta Height Non-European ethnicity BMI (z-score) Parental education Maternal age (Intercept) SBP (z-score) Female sex Age at MRI Age delta Age det MRI Age delta Age delta	-1.03 0.00 -0.03 0.04 0.02 0.00 -1.26 0.00 -0.03 0.00 -0.03 0.00 0.01 0.00 -1.20 0.01 0.00 -0.03 -0.04 -0.04 -0.05 -	Global fin 0.48 0.02 0.03 0.04 0.04 0.04 0.00 0.51 0.02 0.03 0.04 0.00 0.01 0.00 Global 0.04 0.03 0.05 0.04	-2.15 -0.02 -1.15 0.88 0.49 1.55 -2.46 0.24 -1.17 1.20 0.22 1.37 -1.13 -0.13 mean diffe 2.22 -0.97 -4.73 -0.28	183.6 86.6 145.2 148.0 113.5 108.6 133.0 102.5 147.7 147.2 117.1 107.8 115.3 72.6 314.7 75.2 usivity (MI 83.4 75.7 152.6	(FA) 0.033 0.984 0.253 0.380 0.624 0.124 0.015 0.809 0.243 0.232 0.830 0.172 0.262 0.891 0.262 0.890 0.271 0.262 0.890	0.038 0.984 0.253 0.434 0.830 0.198 0.030 0.925 0.253 0.309 0.830 0.229 0.349 0.896 0.281 0.349	-1.97 -0.03 -0.08 -0.04 -0.06 -0.00 -2.27 -0.03 -0.07 -0.00 -0.09 -0.03 -0.00 -0.13 -0.05 -0.16 -0.17 -0.09	-0.09 0.03 0.02 0.11 0.09 0.01 -0.25 0.03 0.02 0.01 0.03 0.03 0.00 0.01 0.03 0.02 0.01 2.28 0.01 0.02 0.01 0.03	model Fully adjusted model Base (\mathbb{R}^2 < 0.1) (\mathbb{R}^2 (\mathbb{R}^2	(Intercept) DBP (z-score) Female sex Age at MRI Age delta Height (Intercept) DBP (z-score) Female sex Age at MRI Age delta Height Non-European ethnicity BMI (z-score) Parental education Maternal age (Intercept) DBP (z-score) Female sex Age at MRI Age delta Age delta Age delta	-1.03 0.00 -0.03 0.04 0.02 0.00 -1.27 0.00 -0.03 0.05 0.01 0.00 -0.03 0.00 -1.25 -0.01 -0.00	Giobal fra 0.47 0.02 0.03 0.04 0.04 0.04 0.00 0.51 0.02 0.03 0.03 0.04 0.00 0.55 0.01 0.00 0.55 0.02 0.03 0.03 0.03 0.03 0.03 0.05 0.04	-2.18 -0.13 -1.14 -0.88 -0.49 -1.60 -2.50 -0.08 -1.16 -1.21 -0.21 -1.44 -1.12 -0.08 -1.24 -1.13	190.3 85.8 143.8 147.4 112.6 117.8 135.6 80.6 145.5 145.8 116.0 116.8 113.1 63.9 75.9 rsivity (ME 77.8 75.7	(FA) 0.030 0.898 0.256 0.256 0.112 0.014 0.940 0.247 0.153 0.264 0.938 0.267 0.261 0.005 0.005 0.005 0.005 0.005	0.040 0.940 0.256 0.432 0.837 0.179 0.028 0.940 0.256 0.307 0.837 0.204 0.352 0.938 0.289 0.348	-1.96 -0.03 -0.08 -0.06 -0.00 -2.27 -0.03 -0.08 -0.09 -0.09 -0.03 -0.00 -0.00 -0.01 -0.05 -0.17 -0.09	-0.10 0.03 0.02 0.11 0.09 0.01 -0.26 0.03 0.02 0.01 0.03 0.02 0.01 0.03 0.02 0.01 0.03 0.02 0.01 0.03 0.02 0.01 0.03
Base model Fully adjusted model (R^2 = .01)	(Intercept) SBP (z-score) Female sex Age at MRI Age delta Height (Intercept) SBP (z-score) Female sex Age at MRI Age delta Height Non-European ethnicity BMI (z-score) Parental education Maternal age (Intercept) SBP (z-score) Female sex Age at MRI Age delta Height (Intercept) Lessore	-1.03	Global first 0.48 0.02 0.03 0.04 0.04 0.00 0.51 0.02 0.03 0.04 0.00 0.51 0.02 0.03 0.02 0.01 0.54 0.02 0.01 0.54 0.02 0.03 0.05 0.04 0.04 0.05 0.05 0.04 0.05 0.05	-2.15 -0.02 -1.15 -0.88 -0.49 -1.55 -2.46 -0.24 -1.17 -1.20 -0.22 -1.37 -1.13 -0.13 -1.25 -1.13 -0.13	183.6 86.6 145.2 148.0 113.5 108.6 133.0 102.5 147.7 147.2 117.1 107.8 115.3 72.6 314.7 75.2 2sivity (MI 83.4 75.7 152.6 67.2 72.6 91.9	(FA) 0.033 0.984 0.253 0.380 0.624 0.124 0.015 0.809 0.243 0.172 0.262 0.896 0.211 0.262 0.996 0.216 0.000 0.038 0.781 0.936 0.040	0.038 0.984 0.253 0.434 0.830 0.198 0.030 0.925 0.253 0.309 0.830 0.229 0.349 0.896 0.281 0.349	-1.97 -0.03 -0.08 -0.04 -0.06 -0.00 -2.27 -0.03 -0.07 -0.00 -0.09 -0.03 -0.00 -0.13 -0.05 -0.16 -0.17 -0.09 -0.09 -0.09	-0.09 0.03 0.02 0.11 0.09 0.01 -0.25 0.03 0.02 0.13 0.08 0.01 0.03 0.02 0.01 -0.06 0.01 0.07 0.01 2.28	Base model Fully adjusted model Base $(R^2=.01)$ $(R^2<01)$ $(R^2$	(Intercept) DBP (z-score) Female sex Age at MRI Age delta Height (Intercept) DBP (z-score) Female sex Age at MRI Age delta Height Non-European ethnicity BMI (z-score) Parental education Maternal age (Intercept) DBP (z-score) Female sex Age at MRI Age delta Height Age delta Age delta Height Age delta Height (Intercept)	-1.03 0.00 -0.03 0.04 0.02 0.00 -1.27 0.00 -0.03 0.05 0.01 0.00 -0.03 0.00 -0.01 0.00 -0.125 -0.02 -0.11 -0.02 -0.01 0.00 -0.01	0.47 0.02 0.03 0.04 0.00 0.51 0.02 0.03 0.04 0.00 0.51 0.02 0.03 0.04 0.00 0.04 0.00 0.05 0.05 0.02 0.01 0.05 0.05 0.02 0.01 0.05 0.05 0.05 0.05 0.05 0.05	-2.18 -2.18 -0.13 -1.14 -0.88 -1.16 -2.50 -2.50 -2.50 -2.11 -1.44 -1.12 -0.08 -1.21 -1.43 -1.13 -1.11 -1.17 -1.75 -0.27 -0.07 -1.13	190.3 85.8 143.8 147.4 112.6 117.8 135.6 80.6 145.5 145.8 116.0 116.8 113.1 63.9 286.9 75.9 sisivity (ME 77.8 75.7 148.4 67.9 74.4 83.3	(FA) 0.030 0.898 0.256 0.378 0.052 0.112 0.014 0.940 0.247 0.153 0.264 0.938 0.217 0.270 0.025 0.317 0.000 0.085 0.789 0.948 0.037	0.040 0.940 0.256 0.432 0.837 0.179 0.028 0.940 0.256 0.307 0.837 0.204 0.352 0.938 0.289 0.348	-1.96 -0.03 -0.08 -0.04 -0.06 -0.06 -0.06 -0.07 -0.08 -0.08 -0.08 -0.09 -0.03 -0.09 -0.01 -0.17 -0.05 -0.16 -0.17 -0.09 -0.01 -0.09 -0.01	-0.10 0.03 0.02 0.11 -0.26 0.03 0.02 0.13 0.08 0.01 0.03 0.02 0.04 0.05 0.06 0.01 0.07 0.00 0.232
Base model Fully adjusted model (R^2 = .01)	(Intercept) SBP (z-score) Female sex Age at MRI Age delta Height (Intercept) SBP (z-score) Female sex Age at MRI Age delta Height (Intercept) SBP (z-score) Female sex Age at MRI Age delta Height Non-European ethnicity BMI (z-score) Parental education Maternal age (Intercept) SBP (z-score) Female sex Age at MRI Age delta Height (Intercept) SBP (z-score)	-1.03 0.00 -0.03 0.00 -1.26 0.00 -0.03 0.00 -0.03 0.00 -0.01 -0.01 -0.00 -0.01 -0.00 -0.01 -0.00 -0.01 -0.00	Global fine 0.48 0.02 0.03 0.04 0.00 0.05 0.04 0.00 0.05 0.05 0.04 0.00 0.05 0.05	-2.15 -0.02 -1.15 -0.8 0.49 1.55 -2.46 0.24 -1.17 1.20 0.22 1.37 -1.13 -0.13 1.25 1.13 mean difft 2.22 -0.97 -1.73 -0.28 0.08 2.09 -0.76 -4.23 -1.66	183.6 86.6 145.2 148.0 113.5 108.6 133.0 102.5 147.7 147.2 117.1 107.8 115.3 72.6 314.7 75.2 usivity (MI 83.4 75.7 152.6 67.2 72.6 91.9 81.3 84.9	(FA) 0.033 0.984 0.253 0.380 0.624 0.124 0.015 0.809 0.243 0.232 0.830 0.172 0.262 0.890 0.211 0.262 0.890 0.211 0.262 0.890 0.029 0.336 0.781 0.936 0.945 0.0450 0.000 0.102	0.038 0.984 0.253 0.434 0.830 0.198 0.030 0.925 0.263 0.309 0.830 0.229 0.349 0.389 0.281 0.349 0.038 0.266 0.830 0.926 0.830 0.936	-1.97 -0.03 -0.08 -0.04 -0.06 -0.00 -2.27 -0.03 -0.08 -0.07 -0.00 -0.09 -0.03 -0.09 -0.01 -0.01 -0.05 -0.17 -0.09 -0.00 -0.16 -0.17 -0.09 -0.06 -0.06 -0.17	-0.09 0.03 0.02 0.11 0.09 0.01 -0.25 0.03 0.02 0.01 0.03 0.02 0.01 2.28 0.02 0.01 0.07 0.01 2.28 0.01 0.07 0.01 2.28 0.01 0.07 0.01 0.07 0.01 0.07 0.01	$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	(Intercept) DBP (z-score) Female sex Age at MRI Age delta Height (Intercept) DBP (z-score) Female sex Age at MRI Age delta Height Age delta Height Non-European ethnicity BMI (z-score) Parental education Maternal age (Intercept) DBP (z-score) Female sex Age at MRI Age delta Height Age delta Height (Intercept) DBP (z-score)	-1.03 0.00 -0.03 0.04 0.02 0.00 -1.27 0.00 -0.03 0.05 0.01 0.00 -0.03 0.00 -0.11 -0.08 -0.01 0.00 -0.01 -0.00 -0.01 -0.00	Giobal fra 0.47 0.02 0.03 0.04 0.04 0.04 0.00 0.51 0.02 0.03 0.04 0.00 0.55 0.03 0.05 0.04 0.00 0.05 0.04 0.00 0.05 0.04 0.00 0.05 0.04 0.00 0.05 0.04 0.00 0.05 0.04 0.00	-2.18 -2.18 -0.13 -1.14 0.88 0.49 1.60 -2.50 0.08 -1.16 1.21 0.21 1.44 -1.12 -0.08 1.24 1.13 mean diffu 2.29 -1.01 -4.17 -1.75 -0.27 -0.07 2.13 -0.89 -4.19 -1.67	190.3 85.8 143.8 147.4 112.6 117.8 135.6 80.6 145.5 145.8 116.0 116.8 113.1 63.9 75.9 18ivity (ME 77.8 75.7 148.4 67.9 74.4 83.3 77.5 69.7	(FA) 0.030 0.898 0.256 0.256 0.112 0.014 0.940 0.940 0.230 0.837 0.153 0.264 0.938 0.217 0.261 0.005 0.085 0.789 0.948 0.037 0.000 0.100	0.040 0.940 0.256 0.432 0.837 0.179 0.028 0.940 0.256 0.307 0.837 0.204 0.352 0.938 0.289 0.348 0.040 0.500 0.243 0.837 0.949	-1.96 -0.03 -0.08 -0.06 -0.00 -2.27 -0.03 -0.07 -0.00 -0.09 -0.09 -0.01 -0.01 -0.09 -0.01 -0.01 -0.08	-0.10 0.03 0.02 0.11 0.09 0.01 0.26 0.03 0.02 0.01 0.03 0.02 0.01 0.03 0.02 0.01 0.07 0.00 0.01 0.07 0.00 0.02 0.01 0.07 0.00 0.02 0.01
Base model Fully adjusted model $(R^2=.01) \hspace{1cm} (R^2<.01)$	(Intercept) SBP (z-score) Female sex Age at MRI Age delta Height (Intercept) SBP (z-score) Female sex Age at MRI Age delta Height (Intercept) SBP (z-score) Female sex Age at MRI Age delta Height Non-European ethnicity BMI (z-score) Parental education Maternal age (Intercept) SBP (z-score) Female sex Age at MRI Age delta Height (Intercept) SBP (z-score) Female sex Age at MRI Age delta Female sex Age at MRI Age delta	-1.03	Global fine 0.48 0.02 0.03 0.04 0.04 0.00 0.51 0.02 0.03 0.04 0.04 0.00 0.05 0.04 0.00 0.05 0.00 0.00 0.00 0.54 0.02 0.03 0.05 0.04 0.00 0.56 0.02 0.03 0.05 0.04 0.05 0.04 0.05 0.04 0.05 0.05 0.04 0.05 0.05 0.04 0.05 0.05 0.04 0.05 0.05 0.05 0.06 0.07 0.08 0.09 0.	-2.15 -0.02 -1.15 -0.88 0.49 1.55 -2.46 0.24 -1.17 1.20 0.22 1.37 -1.13 -0.13 1.25 1.13 mean diffi 2.22 -0.97 -4.20 -1.73 -0.28 0.08 2.09 -0.76 -4.23 -1.66 -0.29	183.6 86.6 145.2 148.0 113.5 108.6 133.0 102.5 147.7 147.2 117.1 107.8 115.3 72.6 314.7 75.2 usivity (MI 83.4 75.7 152.6 91.9 81.3 84.9 152.8 62.9 67.7	(FA) 0.033 0.984 0.253 0.380 0.624 0.124 0.015 0.809 0.243 0.232 0.830 0.172 0.262 0.896 0.201 0.262 D) 0.029 0.336 0.000 0.088 0.781 0.936 0.040 0.450 0.000 0.102 0.771	0.038 0.984 0.253 0.434 0.830 0.198 0.030 0.925 0.253 0.309 0.830 0.229 0.349 0.381 0.329 0.349 0.281 0.381 0.381 0.393 0.256 0.830 0.936 0.400 0.600 0.000 0.000 0.000 0.0256 0.830	-1.97 -0.03 -0.08 -0.04 -0.06 -0.00 -2.27 -0.03 -0.08 -0.03 -0.07 -0.00 -0.09 -0.03 -0.00 -0.13 -0.05 -0.16 -0.17 -0.09 -0.06 -0.04 -0.16 -0.17 -0.10	-0.09 0.03 0.02 0.11 0.09 0.01 -0.25 0.03 0.02 0.13 0.08 0.01 0.03 0.03 0.02 0.01 0.07 0.01 2.28 0.02 0.01 0.07 0.01	$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	(Intercept) DBP (z-score) Female sex Age at MRI Age delta Height (Intercept) DBP (z-score) Female sex Age at MRI Age delta Height (Intercept) DBP (z-score) Female sex Age at MRI Age delta Height Non-European ethnicity BMI (z-score) Parental education Maternal age (Intercept) DBP (z-score) Female sex Age at MRI Age delta Height (Intercept) DBP (z-score) Female sex Age at MRI Age delta Female sex Age at MRI Age delta	-1.03 0.00 -0.03 0.04 0.02 0.00 -1.27 0.00 -0.05 0.01 0.00 -0.03 0.00 -0.01 0.00 -0.02 -0.01 -0.08 -0.01 -0.08 -0.01 -0.08 -0.01	Giobal fra 0.47 0.02 0.03 0.04 0.04 0.04 0.00 0.51 0.02 0.03 0.04 0.00 0.55 0.02 0.03 0.05 0.04 0.00 0.56 0.02 0.03 0.05 0.04 0.00 0.056 0.02 0.03 0.05 0.04	-2.18 -0.13 -1.14 -0.88 -0.49 -1.60 -2.50 -0.08 -1.16 -1.21 -0.21 -1.44 -1.12 -0.08 -1.13	190.3 85.8 143.8 147.4 112.6 117.8 135.6 80.6 145.5 145.5 145.8 116.0 116.8 113.1 63.9 75.9 18ivity (ME 77.8 75.7 148.4 67.9 74.4 83.3 77.5 69.7 146.9 63.2 68.8	(FA) 0.030 0.898 0.256 0.256 0.112 0.014 0.940 0.247 0.153 0.264 0.938 0.256 0.378 0.005 0.0789 0.085	0.040 0.940 0.256 0.432 0.837 0.179 0.028 0.940 0.256 0.307 0.837 0.204 0.352 0.938 0.289 0.348 0.500 0.000 0.243 0.837 0.949 0.042 0.500 0.000 0.243	-1.96 -0.03 -0.08 -0.06 -0.00 -0.00 -0.07 -0.03 -0.07 -0.09 -0.17 -0.06 -0.17 -0.09 -0.01 -0.08 -0.04 -0.16 -0.17 -0.09	-0.10 0.03 0.02 0.11 0.09 0.01 -0.26 0.03 0.02 0.01 0.03 0.02 0.01 0.03 0.02 0.01 0.07 0.00 0.02 0.02 0.02 0.02 0.02
Base model Fully adjusted model $(R^2=.01) \hspace{1cm} (R^2<.01)$	(Intercept) SBP (z-score) Female sex Age at MRI Age delta Height (Intercept) SBP (z-score) Female sex Age at MRI Age delta Height (Intercept) SBP (z-score) Female sex Age at MRI Age delta Height Non-European ethnicity BMI (z-score) Parental education Maternal age (Intercept) SBP (z-score) Female sex Age at MRI Age delta Height (Intercept) SBP (z-score) Female sex Age at MRI Age delta Height Age delta	-1.03 0.00 -0.03 0.04 0.02 0.00 -1.26 0.00 -0.03 0.00 -0.03 0.00 0.01 0.00 -0.02 -0.01 -0.08 -0.01 -0.08 -0.01 -0.08 -0.01 -0.00 -0.01 -0.00 -0.01 -0.00 -0.01 -0.0	Global first 0.48 0.02 0.03 0.04 0.04 0.00 0.51 0.02 0.03 0.04 0.00 0.04 0.00 0.03 0.02 0.03 0.02 0.03 0.02 0.04 0.00 0.54 0.02 0.03 0.04 0.00 0.56 0.04 0.00 0.05 0.04 0.00 0.05 0.04 0.00 0.05 0.04 0.00 0.05 0.04 0.00	-2.15 -0.02 -1.15 -0.88 0.49 1.55 -2.46 0.24 -1.17 1.20 0.22 1.37 -1.13 -0.13 1.25 1.13 mean diffi 2.22 -0.97 -4.20 -1.73 -0.28 0.08 2.09 -0.76 -4.23 -1.66 -0.29 0.15	183.6 86.6 145.2 148.0 113.5 108.6 133.0 102.5 147.7 147.2 117.1 107.8 115.3 72.6 314.7 75.2 2sivity (MI 83.4 75.7 152.6 67.2 72.6 91.9 81.3 84.9 152.9 67.7 80.5	(FA) 0.033 0.984 0.253 0.380 0.624 0.124 0.015 0.809 0.243 0.232 0.830 0.172 0.262 0.896 0.211 0.262 0.336 0.000 0.088 0.781 0.936 0.040 0.450 0.000 0.102 0.771 0.884	0.038 0.984 0.253 0.434 0.830 0.198 0.030 0.925 0.263 0.309 0.830 0.229 0.349 0.349 0.384 0.038 0.538 0.000 0.256 0.830 0.936	-1.97 -0.03 -0.08 -0.04 -0.06 -0.00 -2.27 -0.03 -0.08 -0.07 -0.00 -0.09 -0.03 -0.00 -0.13 -0.05 -0.17 -0.09 -0.00 -0.06 -0.04 -0.16 -0.17 -0.10 -0.00	-0.09 0.03 0.02 0.11 0.09 0.01 -0.25 0.03 0.02 0.13 0.08 0.01 0.03 0.02 0.01 2.28 0.02 0.01 2.28 0.02 0.01 0.07 0.01 2.28 0.02 0.06 0.01 0.07 0.01 0.07 0.01	adjusted model Base model Fully adjusted model Base $(R^2=.01)$ $(R^2<.01)$ $(R^2<.01)$	(Intercept) DBP (z-score) Female sex Age at MRI Age delta Height (Intercept) DBP (z-score) Female sex Age at MRI Age delta Height (Intercept) DBP (z-score) Female sex Age at MRI Age delta Height Non-European ethnicity BMI (z-score) Parental education Maternal age (Intercept) DBP (z-score) Female sex Age at MRI Age delta Height (Intercept) DBP (z-score) Female sex Age at MRI Age delta Height Age delta	-1.03 0.00 -0.03 0.04 0.02 0.00 -1.27 0.00 -0.03 0.05 0.01 0.00 -0.03 0.00 -0.11 -0.00 -0.2 -0.11 -0.00 -0.01 -0.00 -0.01 -0.00 -0.01 -0.00 -0.01 -0.00 -0.01 -0.00 -0.01 -0.00 -0.01 -0.00 -0.01 -0.00	Giobal free 0.47 0.02 0.03 0.04 0.04 0.00 0.51 0.02 0.03 0.04 0.00 0.01 0.00 0.05 0.02 0.03 0.02 0.03 0.02 0.03 0.02 0.03 0.05 0.04 0.00 0.05 0.04 0.00 0.05 0.04 0.00 0.05 0.04 0.00 0.05 0.04 0.00 0.05 0.04 0.00 0.05 0.04 0.00	-2.18 -2.18 -0.13 -1.14 -0.88 -0.49 -1.60 -2.50 -0.08 -1.16 -1.21 -0.21 -1.44 -1.12 -0.08 -1.01 -1.75 -0.27 -0.07 -1.75 -0.27 -0.07 -1.13 -0.89 -1.167 -0.29 -0.06	190.3 85.8 143.8 147.4 112.6 117.8 135.6 80.6 145.5 145.8 116.0 116.8 113.1 63.9 286.9 75.7 148.4 67.9 149.4 83.3 77.5 69.7 146.9 67.9 68.8 77.4	(FA) 0.030 0.898 0.256 0.256 0.250 0.112 0.014 0.940 0.247 0.153 0.264 0.938 0.256 0.317 0.261 0.005 0.085 0.789 0.948 0.037 0.000 0.775 0.949	0.040 0.940 0.256 0.432 0.837 0.179 0.028 0.940 0.256 0.307 0.837 0.204 0.352 0.938 0.289 0.348 0.040 0.500 0.000 0.243 0.837 0.949	-1.96 -0.03 -0.06 -0.00 -0.00 -0.00 -0.00 -0.00 -0.00 -0.00 -0.00 -0.00 -0.00 -0.00 -0.00 -0.00 -0.01 -0.08 -0.04 -0.16 -0.09 -0.01 -0.09 -0.01 -0.09 -0.00 -0.00 -0.00 -0.00 -0.00 -0.00 -0.00 -0.00 -0.00 -0.00 -0.00 -0.00 -0.00 -0.00	-0.10 0.03 0.02 0.11 0.09 0.01 -0.26 0.03 0.02 0.13 0.08 0.01 0.03 0.02 0.04 0.02 0.06 0.01 0.07 0.00 2.32 0.02 0.06 0.01 0.07 0.00 0.01
Usted model Base model Fully adjusted model	(Intercept) SBP (z-score) Female sex Age at MRI Age delta Height (Intercept) SBP (z-score) Female sex Age at MRI Age delta Height Age delta Height Non-European ethnicity BMI (z-score) Parental education Maternal age (Intercept) SBP (z-score) Female sex Age at MRI Age delta Height (Intercept) SBP (z-score) Female sex Age at MRI Age delta Height (Intercept) SBP (z-score) Female sex Age at MRI Age delta Height Age delta Height Age delta	-1.03 0.00 -0.03 0.04 0.02 0.00 -1.26 0.00 -0.03 0.05 0.01 0.00 -0.03 0.00 -0.01 0.00 -0.01 -0.02 -0.11 -0.08 -0.01 -0.01 -0.01 -0.00 -0.01 -0.00 -0.01 -0.00 -0.01 -0.00 -0.01 -0.00 -0.01 -0.00 -0.01 -0.00 -0.01 -0.00 -0.01 -0.00 -0.01 -0.00 -0.01 -0.00 -0.01 -0.00 -0.01	Global fine	-2.15 -0.02 -1.15 -0.88 -0.49 -1.55 -2.46 -0.24 -1.17 -1.20 -0.21 -1.37 -1.13 -0.13 -1.25 -1.13 -0.13 -1.25 -1.13 -0.13 -1.25 -1.13 -0.13 -1.26 -0.97 -4.20 -1.77 -0.28 -0.97 -4.20 -1.73 -0.28 -0.98 -0.76 -4.23 -1.66 -0.29 -0.15 -0.06	183.6 86.6 145.2 148.0 113.5 108.6 133.0 102.5 147.7 147.2 117.1 107.8 115.3 72.6 314.7 75.7 152.6 67.2 72.6 91.9 81.3 84.9 152.8 62.9 67.7 80.5	(FA) 0.033 0.984 0.253 0.380 0.624 0.124 0.015 0.809 0.243 0.172 0.262 0.896 0.211 0.262 0.896 0.211 0.262 0.996 0.008 0.088 0.000 0.088 0.781 0.936 0.000 0.450 0.000 0.171 0.884 0.954	0.038 0.984 0.253 0.434 0.830 0.198 0.030 0.925 0.253 0.309 0.830 0.229 0.349 0.896 0.281 0.349 0.038 0.538 0.000 0.256 0.830 0.936 0.040 0.600 0.056 0.830 0.936 0.936	-1.97 -0.03 -0.08 -0.04 -0.06 -0.00 -2.27 -0.03 -0.08 -0.03 -0.07 -0.00 -0.09 -0.03 -0.00 -0.05 -0.16 -0.17 -0.09 -0.00 -0.06 -0.04 -0.16 -0.17 -0.10 -0.00 -0.00 -0.00	-0.09 0.03 0.02 0.11 0.09 0.01 -0.25 0.03 0.02 0.13 0.08 0.01 0.03 0.03 0.02 0.04 0.01 0.07 0.01 2.28 0.02 -0.06 0.01 0.07 0.01 0.06	adjusted model Base model Fully adjusted model Base $(R^2=.01)$ $(R^2<.01)$ $(R^2<.01)$	(Intercept) DBP (z-score) Female sex Age at MRI Age delta Height (Intercept) DBP (z-score) Female sex Age at MRI Age delta Height Age delta Height Non-European ethnicity BMI (z-score) Parental education Maternal age (Intercept) DBP (z-score) Female sex Age at MRI Age delta Height (Intercept) DBP (z-score) Female sex Age at MRI Age delta Height (Intercept) DBP (z-score) Female sex Age at MRI Age delta Height Age delta Height Age delta	-1.03 0.00 -0.03 0.04 0.02 0.00 -1.27 0.00 -0.03 0.05 0.01 0.00 -0.03 0.05 -0.01 0.00 -0.01 -0.02 -0.11 -0.00 -0.01	Giobal free 0.47 0.02 0.03 0.04 0.00 0.51 0.02 0.03 0.04 0.00 0.04 0.00 0.03 0.02 0.01 0.05 0.02 0.03 0.02 0.01 0.05 0.02 0.03 0.05 0.02 0.01 0.05 0.02 0.03 0.05 0.02 0.01 0.05 0.02 0.03 0.05 0.02 0.03 0.05 0.02 0.03 0.05 0.04 0.00 0.04 0.00 0.00 0.00 0.00	2.18 -2.18 -0.13 -1.14 -0.88 -0.49 -1.60 -2.50 -0.08 -1.16 -1.21 -0.21 -1.44 -1.12 -0.08 -1.21 -1.43 -1.13 -1.13 -1.13 -1.15 -0.27 -0.07 -1.31 -0.89 -1.61 -0.29 -1.01 -0.07 -0.29 -0.06 -0.04	190.3 85.8 143.8 147.4 112.6 117.8 135.6 80.6 145.5 145.8 116.0 116.8 113.1 63.9 286.9 75.7 148.4 67.9 75.7 148.4 67.9 74.4 83.3 77.5 69.7 146.9 63.8 77.4 113.0	(FA) 0.030 0.898 0.256 0.378 0.052 0.112 0.014 0.940 0.247 0.153 0.264 0.938 0.217 0.000 0.085 0.377 0.000 0.085 0.789 0.948 0.037 0.1000	0.040 0.940 0.256 0.432 0.837 0.179 0.028 0.940 0.256 0.307 0.837 0.204 0.352 0.938 0.289 0.348 0.040 0.500 0.000 0.243 0.837 0.949 0.042 0.500 0.000 0.243 0.837 0.949 0.042	-1.96 -0.03 -0.08 -0.04 -0.06 -0.00 -0.00 -0.07 -0.03 -0.08 -0.09 -0.03 -0.00 -0.01 -0.05 -0.16 -0.17 -0.09 -0.01 -0.09 -0.01 -0.09 -0.01 -0.09 -0.01 -0.09 -0.01 -0.09 -0.01 -0.09 -0.01 -0.00 -0.00 -0.00 -0.00 -0.00 -0.00	-0.10 0.03 0.02 0.01 -0.26 0.03 0.02 0.13 0.03 0.02 0.04 -0.06 0.01 0.07 0.00 0.02 0.06 0.01 0.00 0.00 0.00 0.00 0.00 0.00
Base model Fully adjusted model $(R^2=.01) \hspace{1cm} (R^2<.01)$	(Intercept) SBP (z-score) Female sex Age at MRI Age delta Height (Intercept) SBP (z-score) Female sex Age at MRI Age delta Height Non-European ethnicity BMI (z-score) Parental education Maternal age (Intercept) SBP (z-score) Female sex Age at MRI Age delta Height (Intercept) SBP (z-score) Female sex Age at MRI Age delta Height (Intercept) SBP (z-score) Female sex Age at MRI Age delta Height (Intercept) SBP (z-score) Female sex Age at MRI Age delta Height Non-European ethnicity BMI (z-score)	-1.03	Global fine	-2.15 -0.02 -1.15 -0.88 0.49 1.55 -2.46 0.24 -1.17 1.20 0.22 1.37 -1.13 1.25 1.13 mean difff 2.22 -0.97 -0.78 -0.28 0.08 2.09 -0.76 -4.23 -1.66 -0.29 0.15 -0.06	183.6 86.6 145.2 148.0 113.5 108.6 133.0 102.5 147.7 147.2 117.1 107.8 115.3 72.6 314.7 75.2 usivity (MI 83.4 75.7 152.6 67.2 72.6 91.9 81.3 84.9 152.8 62.9 67.7 80.5 113.8 92.5	(FA) 0.033 0.984 0.253 0.380 0.624 0.124 0.015 0.809 0.243 0.232 0.830 0.172 0.262 0.896 0.211 0.262 D) 0.029 0.336 0.300 0.088 0.781 0.936 0.045 0.040 0.450 0.000 0.102 0.771 0.884 0.954 0.954	0.038 0.984 0.253 0.434 0.830 0.198 0.030 0.925 0.263 0.309 0.830 0.229 0.349 0.389 0.281 0.349 0.038 0.000 0.256 0.830 0.936 0.800 0.256 0.830 0.936 0.940 0.600 0.000 0.256 0.830 0.936 0.940 0.600	-1.97 -0.03 -0.08 -0.04 -0.06 -0.00 -2.27 -0.03 -0.08 -0.03 -0.07 -0.00 -0.09 -0.03 -0.00 -0.01 -0.11 -0.05 -0.16 -0.17 -0.09 -0.00 -0.04 -0.16 -0.17 -0.10 -0.06 -0.04	-0.09 0.03 0.02 0.11 0.09 0.01 -0.25 0.03 0.02 0.13 0.08 0.01 0.03 0.02 0.01 0.07 0.01 0.06 0.02	$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	(Intercept) DBP (z-score) Female sex Age at MRI Age delta Height (Intercept) DBP (z-score) Female sex Age at MRI Age delta Height Non-European ethnicity BMI (z-score) Parental education Maternal age (Intercept) DBP (z-score) Female sex Age at MRI Age delta Height (Intercept) DBP (z-score) Female sex Age at MRI Age delta Height (Intercept) DBP (z-score) Female sex Age at MRI Age delta Height (Intercept) DBP (z-score) Female sex Age at MRI Age delta Height Non-European ethnicity BMI (z-score)	-1.03 0.00 -0.03 0.04 0.02 0.00 -1.27 0.00 -0.03 0.05 0.01 0.00 -0.03 0.00 -0.01 -0.00 -0.01 -0.08 -0.01 -0.08 -0.01 -0.08 -0.01 -0.08 -0.01 -0.08 -0.01 -0.08 -0.01 -0.08 -0.01 -0.08 -0.01 -0.08 -0.01 -0.08 -0.01 -0.08 -0.01 -0.08 -0.01 -0.08 -0.01 -0.08 -0.01 -0.08 -0.01 -0.08 -0.01 -0.08 -0.01 -0.08 -0.01 -0.08 -0.01 -0.00 -0.01	Giobal fra 0.47 0.02 0.03 0.04 0.04 0.00 0.51 0.02 0.03 0.04 0.04 0.00 0.01 0.00 0.01 0.00 0.01 0.00 0.01 0.00 0.03 0.05 0.04 0.00 0.03 0.05 0.04 0.00 0.03 0.05 0.04 0.00	-2.18 -0.13 -1.14 0.88 0.49 1.60 -2.50 0.08 -1.16 1.21 0.21 1.44 -1.12 -0.08 1.24 1.13 mean diffu 2.29 -1.01 -4.17 -1.75 -0.27 -0.07 -0.08 -1.67 -0.29 -1.67 -0.26 -0.04 -0.76	190.3 85.8 143.8 147.4 112.6 117.8 135.6 80.6 145.5 145.8 116.0 116.8 135.1 63.9 286.9 75.9 286.9 75.9 148.4 67.9 74.4 83.3 77.5 69.7 146.9 63.2 68.8 77.4 113.0 72.7	(FA) 0.030 0.898 0.256 0.256 0.378 0.628 0.112 0.014 0.940 0.230 0.837 0.153 0.264 0.938 0.217 0.261 0.000 0.085 0.789 0.948 0.949 0.945	0.040 0.940 0.256 0.432 0.837 0.179 0.028 0.940 0.256 0.307 0.837 0.204 0.352 0.938 0.289 0.348 0.040 0.500 0.000 0.243 0.837 0.949 0.042 0.500 0.000 0.243 0.837 0.949	-1.96 -0.03 -0.08 -0.04 -0.06 -0.00 -2.27 -0.03 -0.07 -0.00 -0.09 -0.01 -0.17 -0.09 -0.01 -0.17 -0.09 -0.01 -0.17 -0.09 -0.04 -0.16 -0.17 -0.09 -0.00 -0.00 -0.00 -0.00 -0.00 -0.00 -0.00 -0.00	-0.10 0.03 0.02 0.11 0.09 0.01 -0.26 0.03 0.02 0.13 0.08 0.01 0.03 0.02 0.01 0.07 0.00 0.02 0.04 0.05 0.02 0.06 0.01 0.07 0.00 0.02 0.06 0.02 0.07 0.00 0.02 0.06 0.02 0.07 0.00 0.02 0.07 0.00 0.02 0.07 0.00 0.02 0.07 0.00 0.02 0.07 0.00 0.02 0.07 0.00 0.02 0.07 0.00 0.02 0.07 0.00 0.02 0.07 0.00 0.02 0.07 0.00 0.02 0.07 0.00 0.02 0.07 0.00 0.02 0.07 0.00 0.02 0.07 0.00 0.02 0.07 0.00 0.02
Base model Fully adjusted model ($\mathbb{R}^2 = .01$) ($\mathbb{R}^2 < .01$)	(Intercept) SBP (z-score) Female sex Age at MRI Age delta Height (Intercept) SBP (z-score) Female sex Age at MRI Age delta Height Age delta Height Non-European ethnicity BMI (z-score) Parental education Maternal age (Intercept) SBP (z-score) Female sex Age at MRI Age delta Height (Intercept) SBP (z-score) Female sex Age at MRI Age delta Height (Intercept) SBP (z-score) Female sex Age at MRI Age delta Height Age delta Height Age delta	-1.03 0.00 -0.03 0.04 0.02 0.00 -1.26 0.00 -0.03 0.05 0.01 0.00 -0.03 0.00 -0.01 0.00 -0.01 -0.02 -0.11 -0.08 -0.01 -0.01 -0.01 -0.00 -0.01 -0.00 -0.01 -0.00 -0.01 -0.00 -0.01 -0.00 -0.01 -0.00 -0.01 -0.00 -0.01 -0.00 -0.01 -0.00 -0.01 -0.00 -0.01 -0.00 -0.01 -0.00 -0.01	Global fine 1	-2.15 -0.02 -1.15 -0.88 -0.49 -1.55 -2.46 -0.24 -1.17 -1.20 -0.21 -1.37 -1.13 -0.13 -1.25 -1.13 -0.13 -1.25 -1.13 -0.13 -1.25 -1.13 -0.13 -1.26 -0.97 -4.20 -1.77 -0.28 -0.97 -4.20 -1.73 -0.28 -0.98 -0.76 -4.23 -1.66 -0.29 -0.15 -0.06	183.6 86.6 145.2 148.0 113.5 108.6 133.0 102.5 147.7 147.2 117.1 107.8 115.3 72.6 314.7 75.7 152.6 67.2 72.6 91.9 81.3 84.9 152.8 62.9 67.7 80.5	(FA) 0.033 0.984 0.253 0.380 0.624 0.124 0.015 0.809 0.243 0.172 0.262 0.896 0.211 0.262 0.896 0.211 0.262 0.996 0.008 0.088 0.000 0.088 0.781 0.936 0.000 0.450 0.000 0.171 0.884 0.954	0.038 0.984 0.253 0.434 0.830 0.198 0.030 0.925 0.253 0.309 0.830 0.229 0.349 0.896 0.281 0.349 0.038 0.538 0.000 0.256 0.830 0.936 0.040 0.600 0.056 0.830 0.936 0.936	-1.97 -0.03 -0.08 -0.04 -0.06 -0.00 -2.27 -0.03 -0.08 -0.03 -0.07 -0.00 -0.09 -0.03 -0.00 -0.05 -0.16 -0.17 -0.09 -0.00 -0.06 -0.04 -0.16 -0.17 -0.10 -0.00 -0.00 -0.00	-0.09 0.03 0.02 0.11 0.09 0.01 -0.25 0.03 0.02 0.13 0.08 0.01 0.03 0.03 0.02 0.04 0.01 0.07 0.01 2.28 0.02 -0.06 0.01 0.07 0.01 0.06	adjusted model Base model Fully adjusted model Base $(R^2=.01)$ $(R^2<.01)$ $(R^2<.01)$	(Intercept) DBP (z-score) Female sex Age at MRI Age delta Height (Intercept) DBP (z-score) Female sex Age at MRI Age delta Height Age delta Height Non-European ethnicity BMI (z-score) Parental education Maternal age (Intercept) DBP (z-score) Female sex Age at MRI Age delta Height (Intercept) DBP (z-score) Female sex Age at MRI Age delta Height (Intercept) DBP (z-score) Female sex Age at MRI Age delta Height Age delta Height Age delta	-1.03 0.00 -0.03 0.04 0.02 0.00 -1.27 0.00 -0.03 0.05 0.01 0.00 -0.03 0.05 -0.01 0.00 -0.01 -0.02 -0.11 -0.00 -0.01	Giobal free 0.47 0.02 0.03 0.04 0.00 0.51 0.02 0.03 0.04 0.00 0.04 0.00 0.03 0.02 0.01 0.05 0.02 0.03 0.02 0.01 0.05 0.02 0.03 0.05 0.02 0.01 0.05 0.02 0.03 0.05 0.02 0.01 0.05 0.02 0.03 0.05 0.02 0.03 0.05 0.02 0.03 0.05 0.04 0.00 0.04 0.00 0.00 0.00 0.00	2.18 -2.18 -0.13 -1.14 -0.88 -0.49 -1.60 -2.50 -0.08 -1.16 -1.21 -0.21 -1.44 -1.12 -0.08 -1.21 -1.43 -1.13 -1.13 -1.13 -1.15 -0.27 -0.07 -1.31 -0.89 -1.61 -0.29 -1.01 -0.07 -0.29 -0.06 -0.04	190.3 85.8 143.8 147.4 112.6 117.8 135.6 80.6 145.5 145.8 116.0 116.8 113.1 63.9 286.9 75.7 148.4 67.9 75.7 148.4 67.9 74.4 83.3 77.5 69.7 146.9 63.8 77.4 113.0	(FA) 0.030 0.898 0.256 0.378 0.052 0.112 0.014 0.940 0.247 0.153 0.264 0.938 0.217 0.000 0.085 0.377 0.000 0.085 0.789 0.948 0.037 0.1000	0.040 0.940 0.256 0.432 0.837 0.179 0.028 0.940 0.256 0.307 0.837 0.204 0.352 0.938 0.289 0.348 0.040 0.500 0.000 0.243 0.837 0.949 0.042 0.500 0.000 0.243 0.837 0.949 0.042	-1.96 -0.03 -0.08 -0.04 -0.06 -0.00 -0.00 -0.07 -0.03 -0.08 -0.07 -0.00 -0.09 -0.01 -0.05 -0.16 -0.17 -0.09 -0.01 -0.09 -0.01 -0.09 -0.01 -0.09 -0.01 -0.09 -0.01 -0.09 -0.01 -0.09 -0.01 -0.00 -0.00 -0.00 -0.00 -0.00 -0.00	-0.10 0.03 0.02 0.11 0.06 0.02 0.01 0.00 0.01 0.00 0.01 0.00 0.01 0.00 0.01 0.00 0.01 0.00 0.01 0.00 0.01 0.00

Figure S1 | Flowchart



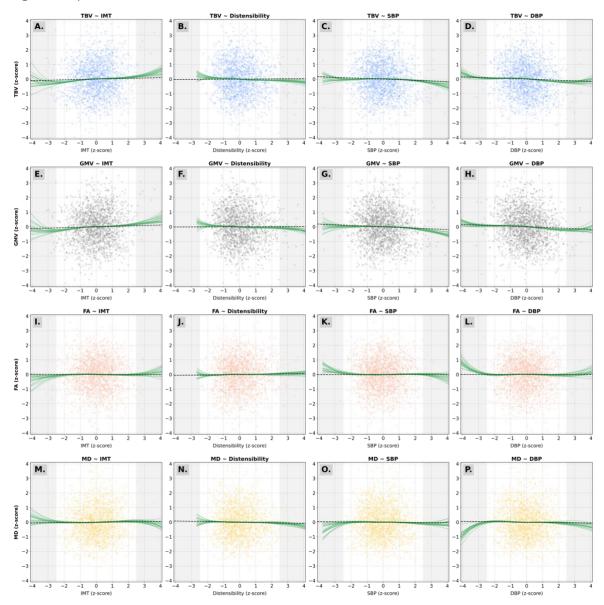
Flowchart detailing exclusion criteria. Prior to analysis, all twins were excluded, and only one non-twin sibling was retained in the sample (based on data completeness, or, if that was equal between siblings, randomly).

Figure S2 | DAG



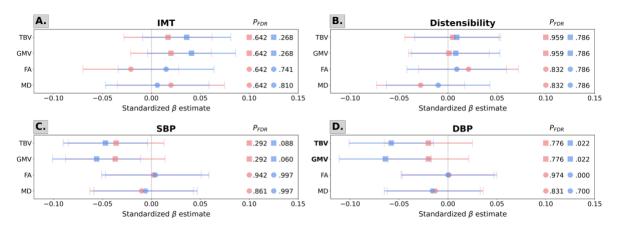
Directed acyclic graph (DAG) representing the assumed causal structure underlying the observed data. Variables which were included in the models as covariates are indicated by a black square box.

Figure S3 | Non-linear associations



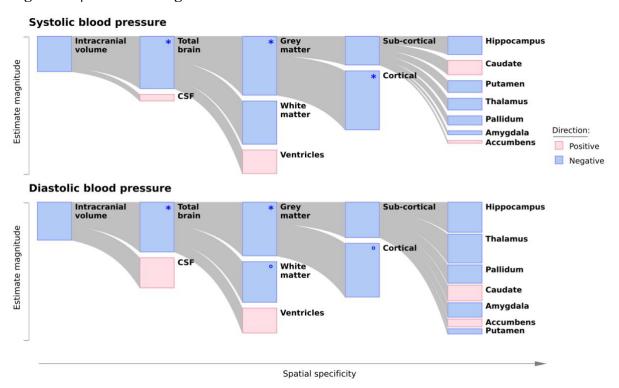
For each exposure - outcome pair (**A-D.** total brain volume (TBV); **E-H.** grey matter volume (GMV); **I-L.** global fractional anisotropy (FA); and **M-P.** mean diffusivity (MD) the linear and non-linear fits are presented. Linear associations (black dashed line) were pooled across datasets, while non-linear associations (green continuous lines) were fit in each imputed dataset individually using natural splines with 4 knots. The gray shadows also mark the -2.5 and +2.5 SD cutoffs of exposure distribution.

Figure S4 | Sex differences



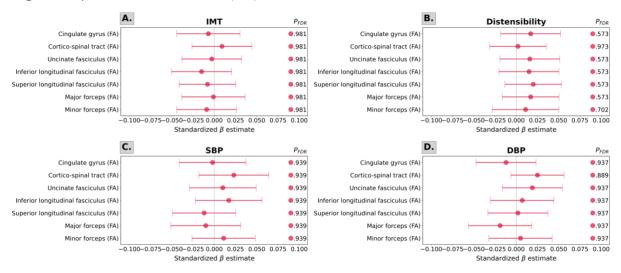
For each exposure of interest (**A.** intima-media thickness (IMT); **B.** carotid distensibility; **C.** Systolic blood pressure (SBP); and **D.** Diastolic blood pressure (DBP)), the standardized association estimates and their 95% confidence intervals are displayed on the x-axis for each outcome (total brain volume (TBV); grey matter volume (GMV); global fractional anisotropy (FA); and mean diffusivity (MD)), in light blue for boys and pink for girls. The corresponding FDR-corrected P-values are also reported.

Figure S5 | Global vs. regional volumes



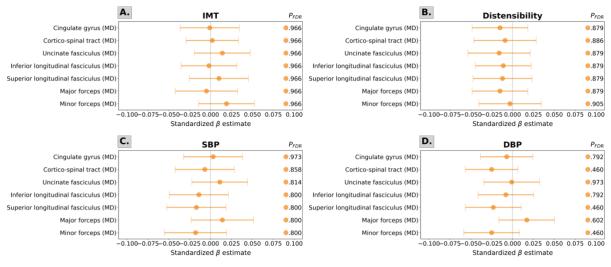
Sankey-like plot representing associations between SBP (above) / DBP (below) and each morphological (i.e., volumetric) brain marker: total intracranial volume (TIV), total brain volume (TBV), cerebro-spinal fluid (CSF), gray and white matter volumes, ventricular volume, subcortical and cortical grey matter volumes and each of the seven subcortical brain regions. The height of each square represents the magnitude of the corresponding estimate and the color indicates its direction (pink for positive associations and blue for negative ones). Estimates that were statistically significant (after adjustment for all covariates and FDR correction) are indicated by an *. Estimates marked with ° were nominally significant, but did not survive FDR correction. Structural relationships between these brain outcomes are represented by the grey lines, with increasing regional specificity from left to right.

Figure S6 | White matter tracts (FA)



For each exposure of interest (**A.** intima-media thickness (IMT); **B.** carotid distensibility; **C.** Systolic blood pressure (SBP); and **D.** Diastolic blood pressure (DBP)), the standardized association estimates and their 95% confidence intervals are displayed on the x-axis for each white matter tract (Cingulate gyrus, Cortico-spinal tract, Uncinate fasciculus, Inferior & Superior longitudinal fasciculus, Major & Minor forceps) average FA value. The corresponding FDR-corrected P-values are also reported.

Figure S7 | White matter tracts (MD)



For each exposure of interest (**A.** intima-media thickness (IMT); **B.** carotid distensibility; **C.** Systolic blood pressure (SBP); and **D.** Diastolic blood pressure (DBP)), the standardized association estimates and their 95% confidence intervals are displayed on the x-axis for each white matter tract (Cingulate gyrus, Cortico-spinal tract, Uncinate fasciculus, Inferior & Superior longitudinal fasciculus, Major & Minor forceps) average MD value. The corresponding FDR-corrected P-values are also reported.