

Supplementary Data

Supplementary Table 1A. SEM Models of zBMI and PEP Reactivity with Anthropometric Covariates

SEM models (DV; IV)	B	95% CI of B	p value	SE (B)	Z	β (STD)
Cross-sectional models						
PEP reactivity at 3.5 years and zBMI at 3.5 years	0.05	-0.17, 0.26	0.68	0.11	0.41	0.04
PEP reactivity at 5 years and zBMI at 5 years	-0.06	-0.22, 0.10	0.44	0.08	-0.77	-0.09
Longitudinal models						
zBMI at 2 years (DV)						
Prenatal BMI (IV)	0.03	0.00, 0.06	0.05	0.01	1.98	0.13
zBMI at 3.5 years (DV)						
Prenatal BMI	0.03	-0.001, 0.05	0.06	0.01	1.87	0.13
zBMI at 2 years*	0.59	0.47, 0.71	0.00	0.06	9.99	0.69
Height change 2-3.5 years	0.04	-0.02, 0.10	0.18	0.03	1.33	0.11
zBMI at 5 years (DV)						
Prenatal BMI	0.02	-0.002, 0.03	0.08	0.01	1.74	0.09
zBMI at 3.5 years*	0.75	0.68, 0.83	0.00	0.04	19.05	0.82
Height change 3.5-5 years	-0.01	-0.06, 0.05	0.82	0.03	-0.23	-0.02
PEP reactivity at 3.5 years	-0.01	-0.06, 0.04	0.69	0.03	-0.41	-0.02
PEP reactivity at 3.5 years (DV)						
BMI at 2 years	0.004	-0.23, 0.24	0.97	0.12	0.03	0.04
PEP reactivity at 5 years (DV)						
PEP reactivity at 3.5 years	0.01	-0.14, 0.16	0.90	0.08	0.13	0.01
zBMI at 2 years*	-0.42	-0.78, -0.06	0.02	0.18	-2.28	-0.33
zBMI at 3.5 years*	0.61	0.17, 1.04	0.01	0.22	2.72	0.41

$n = 112$. Global model fit results: $\chi^2 (df) = 23.04 (11)$; $p = 0.02$; comparative fit index (CFI) = 0.95; root mean square error of approximation (RMSEA) = 0.10; standardized root mean square residual (SRMR) = 0.07. Estimates obtained from *Mplus* 6.12 by maximum likelihood with robust standard errors (*Mplus* estimator MLR). B = unstandardized regression coefficient; β = standardized regression coefficient; SE (B) = standard error of B; Z = B/SE (B); p = probability value associated with the null hypothesis that B = 0 in the population. For bidirectional cross-sectional relationships denoted by "with" in the table, B may be interpreted as a covariance and β interpreted as a correlation.

* $p < 0.05$.

SEM, structural equation modeling; zBMI, standardized BMI; PEP, pre-ejection period; DV, dependent variable; IV, independent variable; CI, confidence interval; SE, standard error; SD, standard deviation.