

Supplementary Table SV Associations of individual early pregnancy phthalate urine concentrations with placental hemodynamic function and weight.

	Umbilical artery pulsatility index 18–25 weeks, SD (95% CI) (n = 1184)	Uterine artery resistance index 18–25 weeks, SD (95% CI) (n = 1019)	Umbilical artery pulsatility index >25 weeks, SD (95% CI) (n = 1186)	Uterine artery resistance index >25 weeks, SD (95% CI) (n = 755)	Notching, OR (95% CI) (n = 83/793)	Placental weight, g (95% CI) (n = 930)
<i>LMW phthalate metabolites</i>						
mMP metabolites	0.01 (−0.05, 0.06)	0.01 (−0.05, 0.07)	−0.05 (−0.10, 0.01)	0.03 (−0.04, 0.10)	0.85 (0.69, 1.05)	−0.79 (−9.23, 7.64)
mEP metabolites	0.02 (−0.02, 0.05)	0.01 (−0.03, 0.05)	0.01 (−0.02, 0.05)	0.01 (−0.03, 0.06)	0.90 (0.78, 1.04)	−2.77 (−8.42, 2.88)
mIBP metabolites	0.00 (−0.05, 0.05)	0.02 (−0.03, 0.08)	−0.03 (−0.07, 0.02)	0.05 (−0.01, 0.11)	0.76 (0.62, 0.93)*†	−2.58 (−10.46, 5.30)
mBP metabolites	−0.01 (−0.06, 0.04)	0.03 (−0.02, 0.09)	−0.02 (−0.07, 0.03)	0.08 (0.02, 0.15)*	0.79 (0.65, 0.96)*	−1.73 (−9.41, 5.95)
<i>HMW phthalate metabolites</i>						
mECPP metabolites	0.03 (−0.03, 0.08)	0.05 (−0.02, 0.11)	−0.03 (−0.09, 0.02)	0.08 (0.00, 0.15)*	0.92(0.73, 1.16)	−2.44 (−11.39, 6.52)
mEHHP metabolites	0.03 (−0.02, 0.08)	0.04 (−0.02, 0.10)	−0.05 (−0.10, 0.01)	0.06 (−0.01, 0.13)	0.85 (0.68, 1.05)	−1.71 (−10.05, 6.63)
mEOHP metabolites	0.01 (−0.04, 0.06)	0.05 (−0.01, 0.10)	−0.05 (−0.10, 0.00)	0.06 (−0.01, 0.12)	0.86 (0.70, 1.06)	−0.81 (−8.86, 7.24)
mCMHP metabolites	−0.00 (−0.06, 0.06)	0.03 (−0.04, 0.09)	−0.07 (−0.13, −0.01)*	0.06 (−0.02, 0.14)	0.80 (0.62, 1.03)	−3.60 (−13.23, 6.02)
mCPP metabolites	0.03 (−0.03, 0.09)	0.03 (−0.03, 0.09)	−0.02 (−0.08, 0.04)	0.05 (−0.02, 0.13)	0.76 (0.60, 0.97)*	−2.53 (−11.68, 6.62)
mBzP metabolites	−0.01 (−0.05, 0.03)	0.02 (−0.02, 0.06)	−0.03 (−0.07, 0.01)	0.00 (−0.05, 0.05)	0.85 (0.73, 0.99)*	−1.81 (−7.91, 4.29)
mHxP metabolites	0.03 (−0.02, 0.07)	0.04 (−0.01, 0.08)	−0.02 (−0.07, 0.02)	0.04 (−0.02, 0.09)	0.84 (0.70, 1.01)	−0.49 (−7.64, 6.67)
mHpP metabolites	0.06 (0.01, 0.11)*	0.02 (−0.03, 0.08)	−0.02 (−0.07, 0.04)	0.02 (−0.05, 0.09)	0.88 (0.70, 1.10)	−10.02 (−18.45, −1.59)*

Values are based on multivariable linear and logistic regression models that reflect differences or OR and 95% CI in placental hemodynamic function measures and weight per log unit increase in urinary phthalate metabolite concentrations. Models are adjusted for maternal age, maternal pre-pregnancy BMI, parity, ethnicity, education, maternal smoking, maternal alcohol, folic acid supplementation, gestational age at time of measurement and creatinine. *P-value<0.05. †Significant with Bonferroni correction.