

Supplementary Table SIV Longitudinal associations of bisphenol and phthalate concentrations and placental angiogenic markers^a.

	Placental growth factor (PIGF) (pg/ml), β (95% CI) (n = 1218)		Soluble fms-like tyrosine kinase (sFlt)-1 (ng/ml), β (95% CI) (n = 1218)		sFlt-1: PIGF ratio, β (95% CI) (n = 1218)	
	Intercept ^b	Slope ^c	Intercept ^b	Slope ^c	Intercept ^b	Slope ^c
Total bisphenols	0.11 (-0.00, 0.29)	-0.01 (-0.01, 0.00)	0.05 (-0.49, 1.83)	-0.01 (-0.05, 0.11)	-108.41 (-206.14, 124.00)	4.68 (-4.06, 21.47)
Bisphenol A	0.09 (-0.01, 0.24)	-0.00 (-0.01, 0.00)	-0.02 (-0.52, 1.14)	0.00 (-0.00, 0.01)	-78.00 (-154.48, 89.66)	2.44 (-3.72, 13.88)
Bisphenol S	0.05 (-0.04, 0.18)	-0.00 (-0.01, 0.00)	-0.05 (-0.50, 1.12)	0.01 (-0.04, 0.08)	-44.66 (-125.31, 128.28)	2.18 (-3.63, 13.14)
Phthalic acid	-0.02 (-0.11, 0.17)	0.00 (-0.01, 0.01)	0.39 (-0.16, 3.10)	-0.03 (-0.04, 0.08)	34.63 (-101.84, 362.36)	1.34 (-5.88, 17.80)
LMW phthalate metabolites	-0.01 (-0.08, 0.16)	0.00 (-0.00, 0.01)	0.23 (-0.12, 2.89)	-0.01 (-0.02, 0.10)	34.32 (-68.19, 315.03)	-1.48 (-5.68, 10.74)
HMW phthalate metabolites	-0.05 (-0.15, 0.17)	0.00 (-0.01, 0.02)	0.34 (-0.14, 4.61)	-0.01 (-0.02, 0.17)	134.98 (-23.62, 547.22)	-3.71 (-7.56, 9.05)
DEHP metabolites	-0.08 (-0.17, 0.13)	0.00 (-0.00, 0.02)	0.36 (-0.14, 4.31)	-0.02 (-0.03, 0.14)	138.94 (-18.38, 529.70)	-4.50 (-8.04, 7.07)
DNOP metabolites	0.05 (-0.08, 0.25)	-0.00 (-0.01, 0.01)	0.61 (-0.24, 3.07)	-0.04 (-0.07, 0.07)	34.97 (-124.42, 370.19)	0.18 (-8.03, 16.57)

^aChange in PIGF, sFlt-1 and sFlt:PIGF ratio per natural log unit increase of Total bisphenols/BPA/BPS/Phthalic acid/LMW/HMW/DEHP/DNOP metabolite concentrations based on repeated measurement analysis (angiogenic marker value = $\beta_0 + \beta_1 \times \log \text{unit compound} + \beta_2 \times \text{gestational age} + \beta_3 \times \log \text{unit compound} \times \text{gestational age} (+ \beta_x \times \text{additional covariates})$).

^bValues are regression coefficients (95% CI) from multivariable unbalanced repeated measurement regression models that reflect the change in angiogenic marker per natural log unit increase of Total bisphenols/BPA/BPS/Phthalic acid/LMW/HMW/DEHP/DNOP metabolite concentrations (β_2).

^cValues are regression coefficients (95% CI) from multivariable unbalanced repeated measurement regression models that reflect the change in angiogenic marker per natural log unit increase of Total bisphenols/BPA/BPS/Phthalic acid/LMW/HMW/DEHP/DNOP metabolite concentrations per gestational age in weeks (β_4).

Models were adjusted for maternal age, maternal pre-pregnancy BMI, parity, ethnicity, education, maternal smoking, maternal alcohol, folic acid supplementation and urinary creatinine.