

Supplemental Material

Maternal Concentrations of Polyfluoroalkyl Compounds during Pregnancy and Fetal and Postnatal Growth in British Girls

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Table S1. Parameter estimates obtained from fitting linear mixed-effects models for weight-for-age SD scores at birth, 2, 9, and 20 months in British girls, including serum concentrations of PFOS, PFOA or PFHxS during pregnancy (n=395)

Variables	PFOS		PFOA		PFHxS	
	B	p-value	β	p-value	β	p-value
PFC (lower tertile) ^a	0.011		-0.004		-0.073	
PFC (middle tertile) ^a	-0.164	0.28	-0.053	0.27	-0.041	0.21
PFC (upper tertile) ^a	-0.166		-0.212		-0.244	
Previous live births (1+)	0.401	<0.01	0.363	<0.01	0.414	<0.01
Smoking during pregnancy (yes) ^b	-0.292		-0.283		-0.267	
Smoking during pregnancy (missing) ^b	-0.130	0.09	-0.137	0.10	-0.104	0.13
Age*PFC (lower tertile) ^a	0.003		0.010		0.031	
Age*PFC (middle tertile) ^a	0.043	0.11	0.029	0.23	0.018	0.11
Age*PFC (upper tertile) ^a	0.057		0.058		0.070	
Age*Previous live births (1+)	-0.060	0.01	-0.053	0.02	-0.066	<0.01
Age*Smoking during pregnancy (yes) ^b	0.088		0.084		0.079	
Age*Smoking during pregnancy (missing) ^b	0.001	0.01	0.001	0.01	-0.009	0.02
Age ² *PFC (lower tertile) ^a	0.000002		-0.00004		-0.00094	
Age ² *PFC (middle tertile) ^a	-0.00134	0.19	-0.00091	0.24	-0.00051	0.15
Age ² *PFC (upper tertile) ^a	-0.00195		-0.00201		-0.00243	
Age ² *Previous live births (1+)	0.00237	0.01	0.00205	0.03	0.00259	<0.01
Age ² *Smoking during pregnancy (yes) ^b	-0.00327		-0.00313		-0.00291	
Age ² *Smoking during pregnancy (missing) ^b	0.00015	0.02	0.00018	0.02	0.00056	0.03

^a PFC tertiles: PFOS: <16.6, 16.6-23.0, >23.0; PFOA: <3.1, 3.1-4.4, >4.4; PFHxS: <1.3, 1.3-2.0, >2.0
 Chunk Tests: H₀: PFC= Age*PFC= Age²*PFC=0; PFOS, p=0.81; PFOA, p=0.89; PFHxS, p=0.79

^b For maternal smoking during pregnancy a category for missing values was included in the analyses.