

Supplementary Tables

Supplemental Table 1. Adjusted^a odds ratios and 95% confidence intervals for cessation of full breastfeeding at 3 and 6 months in association with an interquartile range difference in plasma for per- and polyfluoroalkyl substances

	Cessation of full breastfeeding <3 months OR (95% CI) n=192	Cessation of full breastfeeding <6 months OR (95% CI) n=362
Perfluoroalkyl carboxylic acids		
PFOA	0.84 (0.66, 1.08)	0.95 (0.79, 1.15)
PFNA	0.73 (0.59, 0.91)	0.83 (0.70, 0.98)
PFDA	0.70 (0.58, 0.84)	0.80 (0.69, 0.93)
PFO _n DA	0.70 (0.58, 0.84)	0.79 (0.68, 0.91)
PFDoDA ^b	0.97 (0.65, 1.45)	0.88 (0.65, 1.19)
PFO _n TrDA ^b	0.97 (0.66, 1.43)	0.97 (0.72, 1.29)
Perfluoroalkyl sulfonates		
PFH _x S	0.86 (0.72, 1.03)	0.91 (0.80, 1.05)
PFHpS	0.96 (0.79, 1.15)	0.96 (0.83, 1.11)
PFOS	0.99 (0.80, 1.21)	0.98 (0.83, 1.14)

^a Model was adjusted for parity (parous vs. nulliparous), previous breastfeeding duration (continuous, months), maternal age at birth (continuous), smoking during pregnancy (any vs. none), pre-pregnancy BMI (underweight, normal, overweight, obese), and prior study status (subfecundity control, subfecundity case, preeclampsia control, subfecundity case).

^b HR in association with concentrations > vs. ≤LOQ for PFDoDA and PFO_nTrDA.

Supplemental Table 2. Adjusted^a hazard ratios and 95% confidence intervals for cessation of breastfeeding at 3 and 6 months in association with an interquartile range difference in plasma for per- and polyfluoroalkyl substances, stratified by parity

	Cessation of breastfeeding <3 months	Cessation of breastfeeding <6 months
	HR (95% CI) n=145	HR (95% CI) n=281
<i>Nulliparous (n = 1285)</i>		
Perfluoroalkyl carboxylic acids		
PFOA	0.84 (0.67, 1.04)	0.91 (0.78, 1.06)
PFNA	0.72 (0.58, 0.88)	0.81 (0.69, 0.95)
PFDA	0.69 (0.58, 0.82)	0.78 (0.68, 0.89)
PFUnDA	0.68 (0.57, 0.81)	0.78 (0.68, 0.90)
PFD _o DA ^b	0.97 (0.64, 1.46)	0.88 (0.65, 1.19)
PFT _r DA ^b	0.87 (0.58, 1.30)	0.98 (0.74, 1.29)
Perfluoroalkyl sulfonates		
PFH _x S	0.93 (0.78, 1.11)	0.96 (0.84, 1.09)
PFH _p S	0.95 (0.77, 1.16)	0.96 (0.83, 1.11)
PFOS	0.94 (0.77, 1.16)	0.94 (0.81, 1.09)
<i>Multiparous (n = 431)</i>		
Perfluoroalkyl carboxylic acids		
PFOA	1.13 (0.67, 1.90)	1.24 (0.87, 1.79)
PFNA	1.22 (0.80, 1.85)	1.08 (0.81, 1.45)
PFDA	1.17 (0.77, 1.78)	1.17 (0.86, 1.61)
PFUnDA	1.20 (0.79, 1.83)	1.12 (0.81, 1.54)
PFD _o DA ^b	1.04 (0.45, 2.40)	1.05 (0.59, 1.85)
PFT _r DA ^b	1.67 (0.78, 3.58)	1.07 (0.59, 1.94)
Perfluoroalkyl sulfonates		
PFH _x S	0.84 (0.62, 1.13)	0.88 (0.70, 1.10)
PFH _p S	1.06 (0.72, 1.54)	0.97 (0.75, 1.25)
PFOS	1.40 (0.94, 2.09)	1.37 (1.01, 1.87)

^a Model was adjusted maternal age at birth (continuous), smoking during pregnancy (any vs. none), pre-pregnancy BMI (underweight, normal, overweight, obese), and prior study status (subfecundity control, subfecundity case, preeclampsia control, subfecundity case). The model for the

multiparous women was additionally adjusted for previous breastfeeding duration (continuous, months),
^bHR in association with concentrations > vs. ≤LOQ for PFDoDA and PFTrDA.

Supplemental Table 3. Adjusted^a odd ratios and 95% confidence intervals for initiation of any breastfeeding in association with an interquartile range difference in plasma for per- and polyfluoroalkyl substances

	Breastfeeding initiation OR (95% CI)
Perfluoroalkyl carboxylic acids	
PFOA	1.04 (0.70, 1.54)
PFNA	1.05 (0.73, 1.52)
PFDA	1.07 (0.77, 1.50)
PFUnDA	0.99 (0.70, 1.41)
PFDoDA ^b	1.15 (0.60, 2.20)
PFTrDA ^b	1.09 (0.59, 2.02)
Perfluoroalkyl sulfonates	
PFHxS	1.16 (0.86, 1.56)
PFHpS	0.77 (0.55, 1.09)
PFOS	0.98 (0.70, 1.37)

^aModel was adjusted for parity (parous vs. nulliparous), previous breastfeeding duration (continuous, months), maternal age at birth (continuous), smoking during pregnancy (any vs. none), pre-pregnancy BMI (underweight, normal, overweight, obese), and prior study status (subfecundity control, subfecundity case, preeclampsia control, subfecundity case).

^bHR in association with concentrations > vs. ≤LOQ for PFDoDA and PFTrDA.

Supplemental Table 4. Adjusted^a hazards ratios and 95% confidence intervals for cessation of breastfeeding at 3 and 6 months in association with an interquartile range difference in plasma for per- and polyfluoroalkyl substances, controls only (n=961)

	Cessation of full breastfeeding <3 months HR (95% CI) n=91	Cessation of full breastfeeding <6 months HR (95% CI) n=169
Perfluoroalkyl carboxylic acids		
PFOA	0.99 (0.70, 1.38)	1.07 (0.83, 1.36)
PFNA	0.85 (0.65, 1.11)	0.96 (0.78, 1.17)
PFDA	0.79 (0.64, 0.96)	0.87 (0.74, 1.03)
PFUnDA	0.65 (0.54, 0.79)	0.74 (0.63, 0.87)
PFD _o DA ^b	0.83 (0.48, 1.44)	0.81 (0.55, 1.21)
PFTrDA ^b	0.86 (0.53, 1.41)	0.83 (0.58, 1.18)
Perfluoroalkyl sulfonates		
PFH _x S	0.84 (0.66, 1.07)	0.93 (0.77, 1.11)
PFH _p S	1.05 (0.80, 1.37)	1.05 (0.87, 1.28)
PFOS	1.06 (0.81, 1.39)	1.07 (0.87, 1.30)

^a Model was adjusted for parity (parous vs. nulliparous), previous breastfeeding duration (continuous, months), maternal age at birth (continuous), smoking during pregnancy (any vs. none), pre-pregnancy BMI (underweight, normal, overweight, obese), and prior study status (subfecundity control, preeclampsia control).

^b HR in association with concentrations > vs. ≤LOQ for PFD_oDA and PFTrDA.

Supplemental Table 5. Pearson correlation coefficients of ln-transformed and imputed exposures

	PFOA	PFNA	PFDA	PFUnDA	PFDODA	PFTrDA	PFHXS	PFHPS	PFOS
PFOA	1								
PFNA	0.64	1							
PFDA	0.42	0.75	1						
PFUnDA	0.17	0.45	0.65	1					
PFDODA	0.10	0.28	0.43	0.46	1				
PFTrDA	0.03	0.24	0.31	0.39	0.44	1			
PFHXS	0.52	0.42	0.30	0.24	0.08	0.08	1		
PFHPS	0.53	0.37	0.24	0.21	0.01	0.02	0.49	1	
PFOS	0.62	0.50	0.41	0.38	0.13	0.06	0.56	0.66	1