

Supplemental Material

**Predictors and Variability of Urinary Paraben Concentrations in Men and Women,
Including before and during Pregnancy**

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Supplemental Material, Table S1. Urinary paraben concentrations in samples collected during each trimester of pregnancy^a

	% Detect	Median (IQR)	
		Uncorrected	SG-corrected
Methyl Paraben (µg/L)			
1 st Trimester	100%	175 (37.8, 545)	209 (54.6, 567)
2 nd Trimester	100%	130 (41.7, 275)	153 (56.8, 336)
3 rd Trimester	98.8%	120 (37.2, 278)	175 (63.7, 341)
Propyl Paraben (µg/L)			
1 st Trimester	99.2%	46.6 (6.60, 147)	61.4 (9.54, 158)
2 nd Trimester	97.5%	25.7 (5.20, 92.4)	33.6 (7.04, 119)
3 rd Trimester	98.8%	28.1 (5.60, 74.5)	40.1 (8.09, 103)
Butyl Paraben (µg/L)			
1 st Trimester	71.5%	0.70 (0.14, 5.00)	1.13 (0.36, 5.06)
2 nd Trimester	69.4%	0.70 (0.14, 4.50)	0.85 (0.25, 5.44)
3 rd Trimester	67.4%	0.60 (0.14, 3.90)	0.82 (0.32, 6.24)

Abbreviation: IQR = Interquartile Range

^aTrimester 1: N=123 subjects (130 urine samples); Trimester 2: N=121 subjects (121 urine samples); Trimester 3: N=86 subjects (86 urine samples)

Supplemental Material, Table S2. Number (percent) of women with trimester specific urinary paraben samples remaining in the same exposure tertile during pregnancy^a

Number of samples in same exposure tertile ^b	MP	PP	BP
Zero	8 (11%)	9 (12%)	11 (15%)
Two	49 (65%)	49 (65%)	46 (61%)
All	18 (24%)	17 (23%)	18 (24%)

^aAmong women with one urine sample from each trimester of pregnancy (N=75)

^bZero = Each of the three urine samples was categorized in a different exposure tertile throughout pregnancy; Two = Two of the three urine samples remained in the same exposure tertile during pregnancy; All = Each of the three urine samples remained in the same exposure tertile throughout pregnancy

Supplemental Material, Table S3. Trimester specific urinary paraben tertile cutpoints^a

	33 rd %tile	67 th %tile
Methyl Paraben (µg/L)		
1 st Trimester	69.0	358
2 nd Trimester	81.6	224
3 rd Trimester	100	267
Propyl Paraben (µg/L)		
1 st Trimester	11.8	139
2 nd Trimester	10.1	76.4
3 rd Trimester	10.7	68.9
Butyl Paraben (µg/L)		
1 st Trimester	0.45	3.00
2 nd Trimester	0.36	2.74
3 rd Trimester	0.53	2.51

Abbreviation: %tile = percentile

^aTrimester 1: N=120 urine samples from 120 women; Trimester 2: N=121 urine samples from 121 women; Trimester 3: N=86 urine samples from 86 women; N=126 total women included