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Supplemental Material

Prenatal Exposure to Phthalates and Childhood Body Size in an Urban Cohort

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Figure S2. Component plot for principal component analysis of CCCEH maternal urinary phthalate metabolites concentrations.

Table S1. Descriptive statistics and correlations^a between maternal urinary phthalate metabolite concentrations.

	Geometric Mean (SD)^b	MEHP	MEHHP	MECPP	MEOHP	MCPP	MIBP	MBP	MBZP	MEP	Molar Sum of DEHP metabolites	DEHP Component
MEHP	4.91 (4.21)											
MEHHP	22.03 (3.56)	0.86										
MECPP	39.04 (3.08)	0.81	0.94									
MEOHP	18.30 (3.48)	0.85	0.99	0.95								
MCPP	1.98 (2.82)	0.44	0.56	0.55	0.59							
MIBP	8.81 (2.87)	0.44	0.48	0.46	0.52	0.52						
MBP	37.58 (2.83)	0.40	0.46	0.44	0.49	0.60	0.73					
MBZP	13.40 (3.74)	0.38	0.44	0.41	0.47	0.53	0.56	0.65				
MEP	164.14 (3.53)	0.34	0.39	0.39	0.40	0.45	0.40	0.50	0.34			
Molar Sum of DEHP metabolites	292.89 (3.24)	0.87	0.97	0.98	0.99	0.57	0.49	0.46	0.44	0.40		
DEHP Component	0.00 (1.00)	0.88	0.94	0.92	0.92	0.39	0.26	0.19	0.21	0.23	0.95	
Non-DEHP Component	0.00 (1.00)	0.23	0.31	0.29	0.35	0.68	0.79	0.89	0.77	0.60	0.31	0.00

^aPearson product moment correlations for natural log transformed urinary metabolite concentrations, all p-values <0.001.

^bValues reported are geometric means and standard deviations except for the DEHP and non-DEHP components which are reported as means and standard deviations. Individual phthalate measures are in ng/ml of urine, the sum of DEHP metabolites is measured in nmol/L, and the component scores are unit less.

Table S2. Correlations^a between phthalate urinary metabolite concentrations for women ages 15-45 in NHANES 2003-2004.

	MEHP	MEHHP	MECPP	MEOHP	MCP	MIBP	MBP	MBZP
MEHHP	0.81							
MECPP	0.78	0.96						
MEOHP	0.80	0.98	0.96					
MCP	0.45	0.57	0.57	0.58				
MIBP	0.43	0.51	0.48	0.51	0.64			
MBP	0.43	0.56	0.52	0.57	0.75	0.75		
MBZP	0.35	0.50	0.46	0.50	0.69	0.63	0.70	
MEP	0.20	0.23	0.23	0.24	0.33	0.40	0.42	0.33

^aPearson product moment correlations for natural log transformed urinary metabolite concentrations.

Table S3. Rotated component loading weights for phthalate urinary metabolite concentrations for women ages 15 to 45 in NHANES 2003-2004.

	DEHP Component^a	Non-DEHP Component^a
MEHP	0.87	0.18
MEHHP	0.94	0.29
MECPP	0.93	0.27
MEOHP	0.93	0.31
MCPP	0.40	0.75
MIBP	0.31	0.80
MBP	0.33	0.84
MBZP	0.28	0.79
MEP	0.01	0.63

^aThe DEHP Component explains 62% and the non-DEHP component explains 16% of the total variance in the metabolite data.

Figure S1. Cohort follow-up. Figure S1 depicts follow-up of the birth cohort to ages 3, 5 and 7. Sample sizes in boxes attached to arrows reflect the number of children followed from each follow-up point to a subsequent follow-up point. Sample sizes in circles reflect the number of children lost to follow-up after a specific follow-up point.

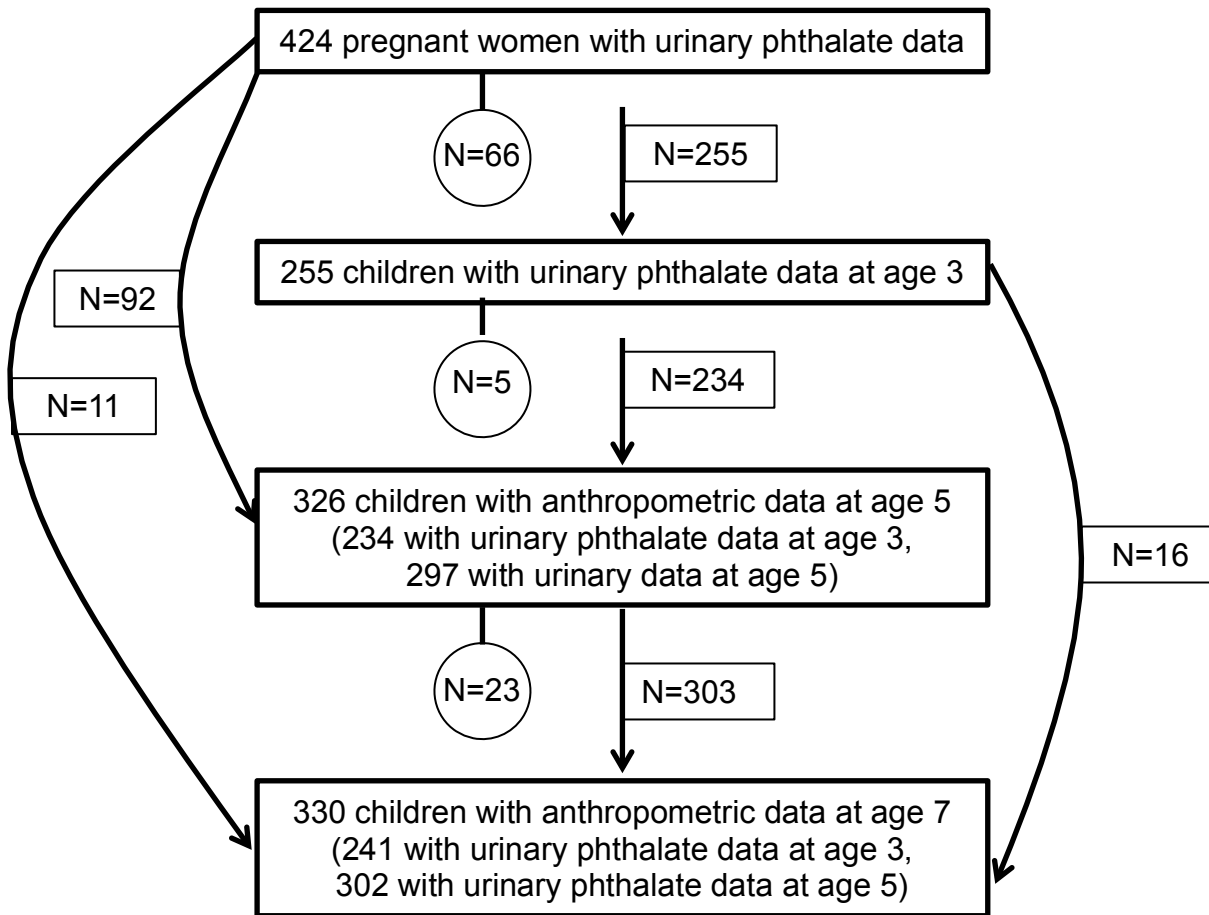
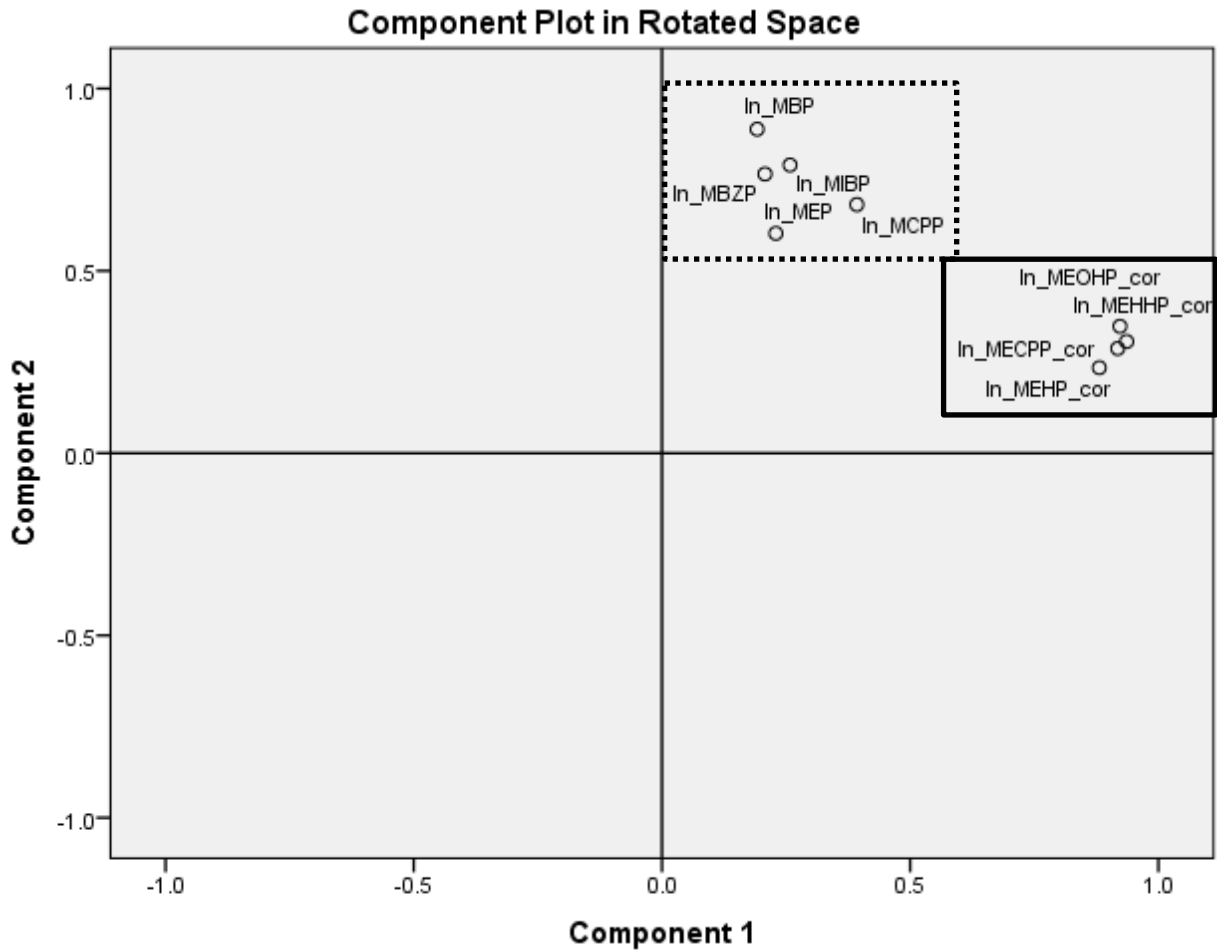


Figure S2. Component plot for principal component analysis of CCCEH maternal urinary phthalate metabolites concentrations.



Legend:

