

## Supplemental Digital Content

For all tables: Predicted differences (95% CI) were estimated from linear mixed effects models adjusted for age, age squared, race/ethnicity, an interaction term between age and phthalate concentration categories, an interaction term between age squared and phthalate concentration categories, and an interaction term between race/ethnicity and age.

Table 1. Predicted differences in body mass index ( $\text{kg}/\text{m}^2$ ) from 7-13 years among girls comparing those with low, medium, and high concentrations of MBZP, MCPP, and MEHP<sup>a</sup>.

Comparison of Categories of Concentrations	Age (years)	MBZP		MCPP		MEHP	
		Predicted	95% CI	Predicted	95% CI	Predicted	95% CI
		Difference, $\text{kg}/\text{m}^2$		Difference, $\text{kg}/\text{m}^2$		Difference, $\text{kg}/\text{m}^2$	
Medium vs Low	7	0.36	-0.11-0.83	0.09	-0.38-0.56	-0.01	-0.51-0.50
Medium vs Low	8	0.52	0.03-1.0	-0.03	-0.52-0.46	-0.03	-0.56-0.49
Medium vs Low	9	0.66	0.13-1.2	-0.09	-0.61-0.43	-0.06	-0.62-0.51
Medium vs Low	10	0.77	0.20-1.3	-0.09	-0.66-0.48	-0.08	-0.69-0.54
Medium vs Low	11	0.85	0.24-1.5	-0.04	-0.66-0.58	-0.10	-0.76-0.57

Medium vs Low	12	0.92	0.25-1.6	0.08	-0.59-0.75	-0.11	-0.84-0.61
Medium vs Low	13	0.95	0.22-1.7	0.26	-0.48-0.99	-0.12	-0.92-0.67
High vs Low	7	-0.09	-0.63-0.45	-0.03	-0.56-0.49	-0.26	-0.73-0.22
High vs Low	8	-0.06	-0.62-0.50	-0.25	-0.79-0.30	-0.41	-0.91-0.08
High vs Low	9	-0.03	-0.63-0.57	-0.40	-0.99-0.18	-0.52	-1.1-0.00
High vs Low	10	0.01	-0.65-0.66	-0.50	-1.1-0.14	-0.59	-1.2--0.02
High vs Low	11	0.04	-0.67-0.75	-0.53	-1.2-0.16	-0.62	-1.3-0.01
High vs Low	12	0.08	-0.69-0.85	-0.51	-1.3-0.24	-0.60	-1.3-0.08
High vs Low	13	0.12	-0.73-0.96	-0.43	-1.3-0.40	-0.54	-1.3-0.20
High vs Medium	7	-0.45	-0.94-0.04	-0.12	-0.63-0.38	-0.25	-0.74-0.24
High vs Medium	8	-0.58	-1.1--0.07	-0.22	-0.74-0.31	-0.38	-0.89-0.13
High vs Medium	9	-0.68	-1.2--0.14	-0.31	-0.87-0.25	-0.47	-1.0-0.08
High vs Medium	10	-0.76	-1.4--0.17	-0.40	-1.0-0.21	-0.52	-1.1-0.08
High vs Medium	11	-0.81	-1.5--0.16	-0.50	-1.2-0.17	-0.52	-1.2-0.12

High vs Medium	12	-0.84	-1.5--0.13	-0.59	-1.3-0.14	-0.49	-1.2-0.21
High vs Medium	13	-0.83	-1.6--0.06	-0.68	-1.5-0.11	-0.42	-1.2-0.35

<sup>a</sup> MBzP concentration categories: low, <13 µg/g creatinine); medium, 13-<38 µg/g creatinine; and high, >=38 µg/g creatinine). MCPPE concentration categories: low, <5.0 µg/g creatinine; medium, 5.0-<10 µg/g creatinine; and high, >=10 µg/g creatinine. MEHP concentration categories: low, <2.8 µg/g creatinine; medium, 2.8-<5.6 µg/g creatinine; and high, >=5.6 µg/g creatinine.

Table 2. Predicted differences in body mass index (kg/m<sup>2</sup>) from 7-13 years among girls comparing those with low, medium, and high concentrations of MEHHP, MEOHP, and MECPP<sup>a</sup>.

Comparisons of Categories of Concentrations	Age (years)	MEHHP		MEOHP		MECPP	
		Predicted	95% CI	Predicted	95% CI	Predicted	95% CI
		Difference, kg/m <sup>2</sup>		Difference, kg/m <sup>2</sup>		Difference , kg/m <sup>2</sup>	
Medium vs Low	7	0.11	-0.36-0.58	0.07	-0.44-0.59	-0.31	-0.80-0.17
Medium vs Low	8	0.13	-0.36-0.61	0.24	-0.29-0.78	-0.35	-0.85-0.15
Medium vs Low	9	0.17	-0.35-0.69	0.40	-0.18-0.97	-0.37	-0.90-0.17
Medium vs Low	10	0.25	-0.32-0.81	0.54	-0.08-1.2	-0.35	-0.93-0.24

Medium vs Low	11	0.35	-0.26-0.97	0.67	0.00-1.4	-0.30	-0.94-0.34
Medium vs Low	12	0.49	-0.18-1.2	0.79	0.06-1.5	-0.22	-0.92-0.47
Medium vs Low	13	0.65	-0.08-1.4	0.90	0.10-1.7	-0.11	-0.87-0.64
High vs Low	7	-0.02	-0.56-0.53	-0.02	-0.58-0.54	-0.29	-0.85-0.27
High vs Low	8	0.04	-0.52-0.61	0.08	-0.49-0.66	-0.26	-0.84-0.32
High vs Low	9	0.13	-0.48-0.73	0.19	-0.43-0.81	-0.21	-0.83-0.42
High vs Low	10	0.23	-0.42-0.89	0.30	-0.38-0.97	-0.13	-0.81-0.55
High vs Low	11	0.36	-0.35-1.1	0.41	-0.33-1.1	-0.03	-0.77-0.70
High vs Low	12	0.51	-0.27-1.3	0.52	-0.28-1.3	0.09	-0.72-0.89
High vs Low	13	0.68	-0.17-1.5	0.64	-0.24-1.5	0.23	-0.65-1.1
High vs Medium	7	-0.12	-0.62-0.37	-0.09	-0.55-0.37	0.02	-0.46-0.51
High vs Medium	8	-0.08	-0.60-0.43	-0.16	-0.63-0.32	0.09	-0.41-0.60
High vs Medium	9	-0.05	-0.60-0.51	-0.21	-0.72-0.30	0.16	-0.38-0.70
High vs Medium	10	-0.02	-0.62-0.59	-0.25	-0.80-0.31	0.22	-0.37-0.81

High vs Medium	11	0.01	-0.65-0.66	-0.27	-0.87-0.34	0.27	-0.38-0.91
High vs Medium	12	0.02	-0.69-0.73	-0.27	-0.93-0.39	0.31	-0.39-1.0
High vs Medium	13	0.03	-0.75-0.81	-0.26	-0.98-0.45	0.34	-0.42-1.1

<sup>a</sup> MEHHP concentration categories: low, <29 µg/g creatinine); medium, 29-<88 µg/g creatinine; and high, >=88 µg/g creatinine).

MEOHP concentration categories: low, <15 µg/g creatinine; medium, 15-<44 µg/g creatinine; and high, >=44 µg/g creatinine. MECPP

concentration categories: low, <46 µg/g creatinine; medium, 46-<139 µg/g creatinine; and high, >=139 µg/g creatinine.

Table 3. Predicted differences in body mass index (kg/m<sup>2</sup>) from 7-13 years among girls comparing those with low, medium, and high concentrations of DEHP<sup>a</sup>.

Comparisons of Categories of Concentrations	Age (years)	Predicted Difference, kg/m <sup>2</sup>	95% CI
Medium vs Low	7	-0.01	-0.44-0.42
Medium vs Low	8	0.04	-0.41-0.49
Medium vs Low	9	0.09	-0.39-0.58

Medium vs Low	10	0.15	-0.38-0.68
Medium vs Low	11	0.21	-0.37-0.79
Medium vs Low	12	0.28	-0.35-0.91
Medium vs Low	13	0.35	-0.35-1.0
High vs Low	7	-0.02	-0.51-0.47
High vs Low	8	0.02	-0.49-0.53
High vs Low	9	0.09	-0.46-0.65
High vs Low	10	0.19	-0.42-0.80
High vs Low	11	0.31	-0.35-0.97
High vs Low	12	0.46	-0.27-1.2
High vs Low	13	0.63	-0.17-1.4
High vs Medium	7	-0.01	-0.50-0.48
High vs Medium	8	-0.02	-0.53-0.49
High vs Medium	9	0.00	-0.55-0.55

High vs Medium	10	0.04	-0.57-0.64
High vs Medium	11	0.10	-0.56-0.76
High vs Medium	12	0.18	-0.55-0.90
High vs Medium	13	0.28	-0.52-1.1

<sup>a</sup>DEHP concentration categories: low, <111 µg/g creatinine; medium, 111- ≤278 µg/g creatinine; and high, >278 µg/g creatinine.

Table 4. Predicted differences<sup>a</sup> in body mass index (kg/m<sup>2</sup>) from 7-13 years among girls comparing those with low, medium, and high concentrations of MEP, MBP, and MiBP<sup>a</sup>.

Comparison of Categories of Concentrations	Age (years)	MEP		MBP		MiBP	
		Predicted	95% CI	Predicted	95% CI	Predicted	95% CI
		Difference kg/m <sup>2</sup>		Difference kg/m <sup>2</sup>		Difference kg/m <sup>2</sup>	
Medium vs Low	7	-0.11	-0.60-0.38	0.22	-0.35-0.79	-0.06	-0.54-0.42
Medium vs Low	8	-0.02	-0.53-0.49	0.29	-0.29-0.88	-0.04	-0.54-0.45
Medium vs Low	9	0.04	-0.51-0.59	0.36	-0.26-0.99	0.00	-0.54-0.53
Medium vs Low	10	0.06	-0.54-0.66	0.42	-0.26-1.1	0.06	-0.52-0.64
Medium vs Low	11	0.05	-0.60-0.70	0.48	-0.26-1.2	0.14	-0.49-0.77

Medium vs Low	12	0.02	-0.69-0.72	0.54	-0.27-1.3	0.25	-0.44-0.93
Medium vs Low	13	-0.06	-0.83-0.72	0.59	-0.29-1.5	0.37	-0.38-1.1
High vs Low	7	0.51	-0.06-1.1	0.57	-0.04-1.2	0.25	-0.29-0.80
High vs Low	8	0.69	0.10-1.3	0.61	-0.01-1.2	0.29	-0.28-0.86
High vs Low	9	0.84	0.21-1.5	0.66	-0.01-1.3	0.34	-0.27-0.95
High vs Low	10	0.94	0.25-1.6	0.71	-0.02-1.5	0.42	-0.24-1.1
High vs Low	11	1.0	0.25-1.8	0.77	-0.03-1.6	0.52	-0.20-1.2
High vs Low	12	1.0	0.20-1.8	0.82	-0.05-1.7	0.64	-0.15-1.4
High vs Low	13	0.98	0.09-1.9	0.88	-0.07-1.8	0.78	-0.08-1.6
High vs Medium	7	0.62	0.12-1.1	0.35	-0.10-0.80	0.32	-0.17-0.80
High vs Medium	8	0.71	0.20-1.2	0.32	-0.14-0.79	0.33	-0.17-0.84
High vs Medium	9	0.80	0.25-1.4	0.30	-0.20-0.80	0.35	-0.20-0.89
High vs Medium	10	0.88	0.28-1.5	0.29	-0.26-0.83	0.36	-0.23-0.95
High vs Medium	11	0.94	0.29-1.6	0.28	-0.31-0.87	0.38	-0.26-1.0

High vs Medium	12	1.0	0.29-1.7	0.28	-0.36-0.93	0.39	-0.31-1.1
High vs Medium	13	1.0	0.26-1.8	0.29	-0.41-1.0	0.41	-0.36-1.2

<sup>a</sup> MEP concentration levels: low, <39 µg/g creatinine); medium, 39-<136 µg/g creatinine; and high, >=136 µg/g creatinine). MBP concentration levels: low, <22 µg/g creatinine; medium, 22-<67 µg/g creatinine; and high, >=67 µg/g creatinine. MiBP concentration levels: low, <8.9 µg/g creatinine; medium, 8.9-<22 µg/g creatinine; and high, >=22 µg/g creatinine.

Table 5. Predicted differences in waist circumference (cm) from 7-13 years among girls comparing those with low, medium, and high concentrations of MBZP, MCPP, and MEHP<sup>a</sup>.

Comparisons of Categories of Concentrations	Age (years)	MBZP		MCPP		MEHP	
		Predicted	95% CI	Predicted	95% CI	Predicted	95% CI
		Difference, cm		Difference, cm		Difference, cm	
Medium vs Low	7	0.98	-0.54-2.5	0.27	-1.2-1.8	-0.14	-1.7-1.5
Medium vs Low	8	1.3	-0.05-2.6	-0.18	-1.5-1.1	-0.38	-1.8-1.0
Medium vs Low	9	1.4	0.06-2.8	-0.52	-1.9-0.85	-0.54	-2.0-0.93
Medium vs Low	10	1.5	-0.03-3.0	-0.75	-2.3-0.77	-0.61	-2.2-1.0

Medium vs Low	11	1.5	-0.23-3.1	-0.86	-2.5-0.82	-0.58	-2.4-1.2
Medium vs Low	12	1.3	-0.56-3.1	-0.86	-2.7-1.0	-0.46	-2.5-1.5
Medium vs Low	13	1.0	-1.1-3.1	-0.74	-2.9-1.4	-0.25	-2.5-2.0
High vs Low	7	0.05	-1.7-1.8	-0.16	-1.8-1.5	-0.49	-2.0-1.0
High vs Low	8	-0.01	-1.5-1.5	-0.89	-2.4-0.57	-0.93	-2.3-0.39
High vs Low	9	-0.07	-1.6-1.5	-1.5	-3.0-0.04	-1.3	-2.7-0.12
High vs Low	10	-0.13	-1.9-1.6	-2.0	-3.7--0.26	-1.5	-3.0-0.04
High vs Low	11	-0.19	-2.1-1.7	-2.3	-4.2--0.43	-1.6	-3.3-0.08
High vs Low	12	-0.25	-2.4-1.9	-2.5	-4.6--0.44	-1.6	-3.5-0.24
High vs Low	13	-0.32	-2.8-2.1	-2.6	-5.0--0.22	-1.6	-3.7-0.60
High vs Medium	7	-0.94	-2.5-0.61	-0.44	-2.0-1.2	-0.35	-1.9-1.2
High vs Medium	8	-1.3	-2.6-0.09	-0.71	-2.1-0.69	-0.55	-1.9-0.82
High vs Medium	9	-1.5	-2.9--0.06	-0.97	-2.5-0.51	-0.73	-2.2-0.70
High vs Medium	10	-1.6	-3.2--0.02	-1.2	-2.9-0.43	-0.90	-2.5-0.69

High vs Medium	11	-1.6	-3.4-0.13	-1.4	-3.3-0.37	-1.1	-2.8-0.70
High vs Medium	12	-1.5	-3.5-0.40	-1.7	-3.7-0.34	-1.2	-3.1-0.75
High vs Medium	13	-1.4	-3.6-0.88	-1.9	-4.1-0.44	-1.3	-3.5-0.90

<sup>a</sup> MBzP concentration categories: low, <13 µg/g creatinine); medium, 13-<38 µg/g creatinine; and high, >=38 µg/g creatinine). MCPP concentration categories: low, <5.0 µg/g creatinine; medium, 5.0-<10 µg/g creatinine; and high, >=10 µg/g creatinine. MEHP concentration categories: low, <2.8 µg/g creatinine; medium, 2.8-<5.6 µg/g creatinine; and high, >=5.6 µg/g creatinine.

Table 6. Predicted differences in waist circumference (cm) from 7-13 years among girls comparing those with low, medium, and high concentrations of MEHHP, MEOHP, and MECPP<sup>a</sup>.

Comparisons of Categories of Concentrations	Age (years)	MEHHP		MEOHP		MECPP	
		Predicted Difference, cm	95% CI	Predicted Difference, cm	95% CI	Predicted Difference, cm	95% CI
Medium vs Low	7	0.21	-1.3-1.7	0.12	-1.5-1.8	-0.76	-2.3-0.78
Medium vs Low	8	0.21	-1.1-1.5	0.37	-1.1-1.8	-0.92	-2.3-0.43
Medium vs Low	9	0.32	-1.0-1.7	0.68	-0.82-2.2	-0.96	-2.4-0.45

Medium vs Low	10	0.54	-0.97-2.1	1.0	-0.63-2.7	-0.89	-2.5-0.67
Medium vs Low	11	0.86	-0.80-2.5	1.4	-0.40-3.3	-0.71	-2.4-1.0
Medium vs Low	12	1.3	-0.54-3.1	1.9	-0.14-3.9	-0.42	-2.3-1.5
Medium vs Low	13	1.8	-0.26-3.9	2.4	0.07-4.7	-0.02	-2.2-2.1
High vs Low	7	0.40	-1.3-2.1	0.19	-1.6-2.0	-0.34	-2.1-1.5
High vs Low	8	0.61	-0.90-2.1	0.44	-1.1-2.0	-0.17	-1.7-1.4
High vs Low	9	0.84	-0.75-2.4	0.70	-0.93-2.3	0.02	-1.6-1.7
High vs Low	10	1.1	-0.66-2.9	0.97	-0.84-2.8	0.23	-1.6-2.0
High vs Low	11	1.4	-0.55-3.3	1.2	-0.75-3.2	0.45	-1.6-2.4
High vs Low	12	1.7	-0.44-3.8	1.5	-0.67-3.7	0.68	-1.5-2.9
High vs Low	13	2.0	-0.39-4.5	1.8	-0.69-4.3	0.94	-1.6-3.5
High vs Medium	7	0.19	-1.4-1.8	0.07	-1.4-1.5	0.42	-1.1-2.0
High vs Medium	8	0.40	-0.99-1.8	0.07	-1.2-1.4	0.75	-0.61-2.1
High vs Medium	9	0.52	-0.94-2.0	0.02	-1.3-1.4	0.98	-0.45-2.4

High vs Medium	10	0.56	-1.1-2.2	-0.06	-1.6-1.4	1.1	-0.47-2.7
High vs Medium	11	0.52	-1.3-2.3	-0.19	-1.8-1.5	1.2	-0.59-2.9
High vs Medium	12	0.40	-1.6-2.4	-0.36	-2.2-1.5	1.1	-0.83-3.0
High vs Medium	13	0.20	-2.0-2.5	-0.56	-2.6-1.5	0.95	-1.3-3.2

<sup>a</sup> MEHHP concentration categories: low, <29 µg/g creatinine); medium, 29-<88 µg/g creatinine; and high, >=88 µg/g creatinine).

MEOHP concentration categories: low, <15 µg/g creatinine; medium, 15-<44 µg/g creatinine; and high, >=44 µg/g creatinine. MECPP

concentration categories: low, <46 µg/g creatinine; medium, 46-<139 µg/g creatinine; and high, >=139 µg/g creatinine.

Table 7. Predicted differences in waist circumference (cm) from 7-13 years among girls comparing those with low, medium, and high concentrations of DEHP<sup>a</sup>.

Comparisons of Categories of Concentrations	Age (years)	Predicted Difference, cm	95% CI
Medium vs Low	7	0.10	-1.4-1.6
Medium vs Low	8	0.06	-1.2-1.3
Medium vs Low	9	0.13	-1.2-1.5

Medium vs Low	10	0.31	-1.2-1.8
Medium vs Low	11	0.59	-1.0-2.2
Medium vs Low	12	0.97	-0.83-2.8
Medium vs Low	13	1.5	-0.59-3.5
High vs Low	7	0.20	-1.5-1.7
High vs Low	8	0.39	-1.1-1.9
High vs Low	9	0.61	-0.92-2.1
High vs Low	10	0.85	-0.85-2.5
High vs Low	11	1.1	-0.76-3.0
High vs Low	12	1.4	-0.68-3.5
High vs Low	13	1.7	-0.66-4.0
High vs Medium	7	0.10	-1.6-1.8
High vs Medium	8	0.33	-1.1-1.8
High vs Medium	9	0.48	-1.1-2.0

High vs Medium	10	0.54	-1.2-2.2
High vs Medium	11	0.52	-1.3-2.4
High vs Medium	12	0.42	-1.6-2.5
High vs Medium	13	0.23	-2.1-2.6

<sup>a</sup>DEHP concentration categories: low, <111 µg/g creatinine; medium, 111- ≤278 µg/g creatinine; and high, >278 µg/g creatinine.

Table 8. Predicted differences in waist circumference (cm) from 7-13 years among girls comparing those with low, medium, and high concentrations MEP, MBP, and MiBP.

Comparison of Categories of Concentrations	Age (years)	MEP		MBP		MiBP	
		Predicted Difference, cm	95% CI	Predicted Difference, cm	95% CI	Predicted Difference, cm	95% CI
Medium vs Low	7	-0.09	-1.7-1.5	0.99	-0.95-2.9	-0.02	-1.6-1.6
Medium vs Low	8	0.09	-1.3-1.5	0.95	-0.65-2.5	-0.12	-1.5-1.2
Medium vs Low	9	0.24	-1.2-1.7	0.82	-0.80-2.5	-0.21	-1.6-1.2
Medium vs Low	10	0.34	-1.2-1.9	0.62	-1.2-2.4	-0.28	-1.8-1.2
Medium vs Low	11	0.40	-1.3-2.1	0.34	-1.7-2.3	-0.34	-2.0-1.4

Medium vs Low	12	0.42	-1.5-2.3	-0.03	-2.2-2.2	-0.37	-2.2-1.5
Medium vs Low	13	0.41	-1.8-2.6	-0.47	-3.0-2.0	-0.38	-2.5-1.7
High vs Low	7	1.1	-0.82-2.9	1.8	-0.28-3.8	1.1	-0.69-2.9
High vs Low	8	1.7	0.14-3.3	1.7	-0.06-3.4	1.1	-0.47-2.6
High vs Low	9	2.4	0.73-4.0	1.5	-0.29-3.2	1.0	-0.55-2.6
High vs Low	10	2.9	1.1-4.7	1.2	-0.73-3.2	1.0	-0.74-2.8
High vs Low	11	3.4	1.4-5.4	0.90	-1.3-3.0	1.0	-0.93-2.9
High vs Low	12	3.9	1.7-6.1	0.52	-1.8-2.9	1.0	-1.1-3.1
High vs Low	13	4.3	1.8-6.7	0.08	-2.6-2.8	1.0	-1.4-3.4
High vs Medium	7	1.1	-0.50-2.8	0.79	-0.68-2.3	1.1	-0.47-2.7
High vs Medium	8	1.7	0.25-3.0	0.70	-0.55-2.0	1.2	-0.17-2.6
High vs Medium	9	2.1	0.69-3.6	0.64	-0.66-1.9	1.3	-0.17-2.7
High vs Medium	10	2.6	1.0-4.2	0.59	-0.85-2.0	1.3	-0.27-2.7
High vs Medium	11	3.0	1.3-4.8	0.56	-1.0-2.2	1.3	-0.39-3.1

High vs Medium	12	3.5	1.5-5.4	0.55	-1.2-2.3	1.4	-0.53-3.3
High vs Medium	13	3.8	1.6-6.0	0.56	-1.4-2.6	1.4	-0.76-3.6

<sup>a</sup> MEP concentration categories: low, <39 µg/g creatinine); medium, 39-<136 µg/g creatinine; and high, >=136 µg/g creatinine). MBP concentration categories: low, 22 µg/g creatinine; medium, 22-<67 µg/g creatinine; and high, >=67 µg/g creatinine. MiBP concentration categories: low, <8.9 µg/g creatinine; medium, 8.9-<22 µg/g creatinine; and high, >=22 µg/g creatinine.

Table 9. Predicted differences in height (cm) from 7-13 years among girls comparing those with low (<46 µg/g creatinine), medium (46-<139 µg/g creatinine), and high (>=139 µg/g creatinine) concentrations of MECPP for all girls and stratified by baseline overweight status (<85<sup>th</sup> percentile and >=85<sup>th</sup> percentile).

Comparison of Categories of Concentrations	Age	All Girls (n=1017)		Normal Weight Girls (n=692)		Overweight Girls (n=325)	
		Predicted Difference, cm	95% CI	Predicted Difference, cm	95% CI	Predicted Difference, cm	95% CI
Medium vs Low	7	-0.84	-1.8-0.11	-1.2	-2.3--0.14	0.62	-0.96-2.2
Medium vs Low	8	-1.2	-2.1--0.25	-1.3	-2.4--0.29	0.05	-1.5-1.9

Medium vs Low	9	-1.4	-2.3--0.47	-1.5	-2.5--0.37	-0.33	-1.9-1.2
Medium vs Low	10	-1.5	-2.5--0.56	-1.5	-2.7--0.42	-0.50	-2.1-1.1
Medium vs Low	11	-1.5	-2.5--0.52	-1.6	-2.8--0.43	-0.49	-2.1-1.1
Medium vs Low	12	-1.4	-2.4--0.37	-1.6	-2.9--0.42	-0.28	-2.0-1.4
Medium vs Low	13	-1.2	-2.3--0.09	-1.7	-2.9--0.36	0.13	-1.7-1.9
High vs Low	7	-1.2	-2.3--0.12	-1.5	-2.8--0.24	0.07	-1.7-1.9
High vs Low	8	-1.3	-2.4--0.22	-1.3	-2.6--0.10	-0.44	-2.2-1.3
High vs Low	9	-1.4	-2.5--0.29	-1.3	-2.6--0.04	-0.76	-2.5-0.98
High vs Low	10	-1.5	-2.6--0.36	-1.4	-2.7--0.10	-0.87	-2.7-0.91
High vs Low	11	-1.6	-2.7--0.42	-1.7	-3.0--0.27	-0.78	-2.6-1.1
High vs Low	12	-1.7	-2.9--0.49	-2.0	-3.5--0.57	-0.49	-2.4-1.4
High vs Low	13	-1.8	-3.1--0.55	-2.5	-4.0--0.98	-0.01	-2.0-2.0
High vs Medium	7	-0.38	-1.3-0.57	-0.29	-1.4-0.80	-0.55	-2.1-0.99
High vs Medium	8	-0.12	-1.1-0.82	0.00	-1.1-1.1	-0.49	-2.0-1.0

High vs Medium	9	0.03	-0.92-0.97	0.14	-0.96-1.2	-0.43	-1.9-1.1
High vs Medium	10	0.05	-0.93-1.0	0.12	-1.0-1.3	-0.36	-1.9-1.2
High vs Medium	11	-0.06	-1.1-0.95	-0.05	-1.2-1.2	-0.29	-1.9-1.3
High vs Medium	12	-0.28	-1.3-0.76	-0.37	-1.6-0.88	-0.22	-1.9-1.4
High vs Medium	13	-0.64	-1.7-0.46	-0.85	-2.2-0.48	-0.13	-1.9-1.6

Table 10. Predicted differences in height (cm) from 7-13 years among girls comparing those with low (<15 µg/g creatinine), medium (15-<44 µg/g creatinine), and high (>=44 µg/g creatinine) concentrations of MEOHP for all girls and stratified by baseline overweight status (<85th percentile and >=85<sup>th</sup> percentile).

Comparisons of Categories of Concentrations	Age (years)	All Girls (n=1017)		Normal Weight Girls (n=692)		Overweight Girls (n=325)	
		Predicted Difference, cm	95% CI	Predicted Difference, cm	95% CI	Predicted Difference, cm	95% CI

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Medium vs Low	7	-0.33	-1.4-0.68	-0.47	-1.6-0.66	-0.15	-1.9-1.6
Medium vs Low	8	-0.40	-1.4-0.60	-0.59	-1.7-0.53	-0.29	-2.0-1.4
Medium vs Low	9	-0.42	-1.4-0.58	-0.65	-1.8-0.49	-0.37	-2.1-1.3
Medium vs Low	10	-0.42	-1.4-0.61	-0.67	-1.9-0.52	-0.39	-2.1-1.3
Medium vs Low	11	-0.37	-1.4-0.69	-0.62	-1.9-0.62	-0.34	-2.1-1.4
Medium vs Low	12	-0.29	-1.4-0.81	-0.52	-1.8-0.77	-0.23	-2.1-1.6
Medium vs Low	13	-0.17	-1.3-0.99	-0.37	-1.7-1.0	-0.05	-2.0-1.9
High vs Low	7	-1.1	-2.2--0.02	-1.3	-2.5--0.04	-0.40	-2.3-1.5
High vs Low	8	-1.1	-2.1-0.00	-1.1	-2.3-0.15	-0.87	-2.7-0.93
High vs Low	9	-1.1	-2.1-0.03	-0.97	-2.2-0.27	-1.2	-3.0-0.65
High vs Low	10	-1.1	-2.2-0.05	-0.97	-2.3-0.31	-1.3	-3.1-0.60
High vs Low	11	-1.1	-2.3-0.05	-1.1	-2.4-0.26	-1.2	-3.1-0.75
High vs Low	12	-1.2	-2.4-0.02	-1.3	-2.7-0.11	-0.88	-2.9-1.1
High vs Low	13	-1.3	-2.5--0.02	-1.6	-3.1--0.12	-0.41	-2.5-1.7

High vs Medium	7	-0.79	-1.7-0.12	-0.79	-1.8-0.24	-0.25	-1.7-1.2
High vs Medium	8	-0.67	-1.6-0.21	-0.47	-1.5-0.54	-0.58	-2.0-0.83
High vs Medium	9	-0.63	-1.5-0.27	-0.31	-1.4-0.73	-0.78	-2.2-0.64
High vs Medium	10	-0.65	-1.6-0.27	-0.31	-1.4-0.77	-0.86	-2.3-0.60
High vs Medium	11	-0.73	-1.7-0.22	-0.46	-1.6-0.67	-0.82	-2.3-0.68
High vs Medium	12	-0.88	-1.9-0.10	-0.77	-2.0-0.41	-0.65	-2.2-0.91
High vs Medium	13	-1.1	-2.1--0.06	-1.2	-2.5-0.01	-0.36	-2.0-1.3

Table 11. Predicted differences in height (cm) from 7-13 years among girls comparing those with low (<29 µg/g creatinine), medium (29-<88 µg/g creatinine), and high (>=88 µg/g creatinine) concentrations of MEHHP for all girls and stratified by baseline overweight status (<85th percentile and >=85<sup>th</sup> percentile).

Comparison of Categories of Concentrations	Age (years)	All Girls (n=1017)		Normal Weight Girls (n=692)		Overweight Girls (n=325)	
		Predicted Difference, cm	95% CI	Predicted Difference, cm	95% CI	Predicted Difference, cm	95% CI

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Medium vs Low	7	-0.47	-1.4-0.45	-0.80	-1.8-0.23	0.49	-1.0-2.0
Medium vs Low	8	-0.69	-1.6-0.20	-0.95	-2.0-0.06	0.07	-1.4-1.6
Medium vs Low	9	-0.82	-1.7-0.09	-1.0	-2.1-0.00	-0.19	-1.7-1.3
Medium vs Low	10	-0.85	-1.8-0.09	-1.1	-2.1-0.03	-0.28	-1.8-1.3
Medium vs Low	11	-0.77	-1.7-0.19	-1.0	-2.1-0.12	-0.20	-1.8-1.4
Medium vs Low	12	-0.61	-1.6-0.40	-0.90	-2.1-0.28	0.06	-1.6-1.7
Medium vs Low	13	-0.34	-1.4-0.71	-0.73	-2.0-0.52	0.48	-1.3-2.2
High vs Low	7	-0.85	-1.9-0.21	-1.0	-2.2-0.18	-0.01	-1.7-1.7
High vs Low	8	-0.71	-1.8-0.34	-0.71	-1.9-0.48	-0.37	-2.2-1.3
High vs Low	9	-0.61	-1.7-0.44	-0.53	-1.8-0.69	-0.56	-2.3-1.1
High vs Low	10	-0.57	-1.7-0.51	-0.49	-1.8-0.78	-0.59	-2.3-1.2
High vs Low	11	-0.59	-1.7-0.53	-0.58	-1.9-0.74	-0.45	-2.2-1.3
High vs Low	12	-0.65	-1.8-0.51	-0.82	-2.2-0.57	-0.15	-2.0-1.7
High vs Low	13	-0.77	-2.0-0.45	-1.2	-2.7-0.29	0.32	-1.6-2.3

High vs Medium	7	-0.38	-1.4-0.60	-0.22	-1.3-0.90	-0.50	-2.1-1.1
High vs Medium	8	-0.01	-0.97-0.94	0.24	-0.86-1.4	-0.44	-2.0-1.1
High vs Medium	9	0.21	-0.76-1.2	0.51	-0.62-1.6	-0.37	-1.9-1.2
High vs Medium	10	0.27	-0.72-1.3	0.57	-0.61-1.7	-0.31	-1.9-1.3
High vs Medium	11	0.19	-0.84-1.2	0.43	-0.80-1.7	-0.26	-1.9-1.4
High vs Medium	12	-0.05	-1.1-1.0	0.09	-1.2-1.4	-0.21	-1.9-1.5
High vs Medium	13	-0.43	-1.6-0.70	-0.45	-1.8-0.91	-0.16	-1.9-1.6

Table 12. Predicted differences in height (cm) from 7-13 years among girls comparing those with low (<2.8 µg/g creatinine), medium (2.8-<5.6 µg/g creatinine), and high (≥5.6 µg/g creatinine) concentrations of MEHP for all girls and stratified by baseline overweight status (<85<sup>th</sup> percentile and ≥85<sup>th</sup> percentile).

Comparisons of Categories of Concentrations	Age (years)	All Girls (n=1017)		Normal Weight Girls (n=692)		Overweight Girls (n=325)	
		Predicted Difference, cm	95% CI	Predicted Difference, cm	95% CI	Predicted Difference, cm	95% CI
Medium vs Low	7	-0.11	-1.1-0.88	-0.72	-1.9-0.41	0.79	-0.81-2.4

Medium vs Low	8	-0.31	-1.3-0.66	-1.0	-2.2-0.08	0.94	-0.61-2.5
Medium vs Low	9	-0.44	-1.4-0.55	-1.3	-2.4--0.11	1.1	-0.51-2.6
Medium vs Low	10	-0.48	-1.5-0.53	-1.4	-2.6--0.19	1.1	-0.45-2.7
Medium vs Low	11	-0.44	-1.5-0.60	-1.4	-2.6--0.15	1.2	-0.45-2.9
Medium vs Low	12	-0.33	-1.4-0.76	-1.3	-2.6--0.01	1.2	-0.48-2.9
Medium vs Low	13	-0.13	-1.3-1.0	-1.1	-2.5-0.24	1.2	-0.57-3.0
High vs Low	7	-0.94	-1.9--0.01	-1.2	-2.2--0.13	0.11	-1.5-1.7
High vs Low	8	-1.0	-1.9--0.10	-1.2	-2.2--0.17	0.06	-1.5-1.6
High vs Low	9	-1.0	-2.0--0.12	-1.2	-2.3--0.17	0.09	-1.4-1.6
High vs Low	10	-1.0	-2.0--0.08	-1.3	-2.4--0.16	0.20	-1.4-1.8
High vs Low	11	-0.98	-2.0-0.00	-1.3	-2.4--0.15	0.37	-1.2-2.0
High vs Low	12	-0.89	-1.9-0.13	-1.3	-2.5--0.13	0.62	-1.1-2.3
High vs Low	13	-0.75	-1.8-0.32	-1.4	-2.6--0.09	0.94	-0.82-2.7
High vs Medium	7	-0.83	-1.8-0.13	-0.46	-1.6-0.64	-0.69	-2.2-0.87

High vs Medium	8	-0.70	-1.6-0.24	-0.17	-1.3-0.91	-0.88	-2.4-0.63
High vs Medium	9	-0.61	-1.6-0.34	0.03	-1.1-1.1	-0.96	-2.5-0.55
High vs Medium	10	-0.55	-1.5-0.42	0.11	-1.0-1.3	-0.95	-2.5-0.60
High vs Medium	11	-0.54	-1.6-0.47	0.10	-1.1-1.3	-0.83	-2.4-0.77
High vs Medium	12	-0.56	-1.6-0.49	-0.02	-1.3-1.2	-0.61	-2.3-1.1
High vs Medium	13	-0.62	-1.7-0.48	-0.23	-1.6-1.1	-0.29	-2.0-1.5

Table 13. Predicted differences in height (cm) from 7-13 years among girls comparing those with low (<5.0 µg/g creatinine), medium (5.0-<10 µg/g creatinine), and high (>=10 µg/g creatinine) concentrations of MCPP for all girls and stratified by baseline overweight status (<85<sup>th</sup> percentile and >=85<sup>th</sup> percentile).

Comparisons of Categories of Concentrations	Age (years)	All Girls (n=1017)		Normal Weight Girls (n=692)		Overweight Girls (n=325)	
		Predicted Difference, cm	95% CI	Predicted Difference, cm	95% CI	Predicted Difference, cm	95% CI
Medium vs Low	7	-0.48	-1.4-0.44	-0.62	-1.7-0.42	0.17	-1.3-1.7
Medium vs Low	8	-0.82	-1.7-0.08	-0.97	-2.0-0.06	-0.06	-1.5-1.4

Medium vs Low	9	-1.0	-2.0--0.12	-1.2	-2.3--0.14	-0.19	-1.7-1.3
Medium vs Low	10	-1.1	-2.1--0.18	-1.3	-2.4--0.20	-0.22	-1.8-1.3
Medium vs Low	11	-1.1	-2.0--0.09	-1.3	-2.4--0.13	-0.16	-1.7-1.4
Medium vs Low	12	-0.87	-1.9-0.14	-1.1	-2.3-0.07	0.01	-1.6-1.7
Medium vs Low	13	-0.55	-1.6-0.51	-0.87	-2.1-0.40	0.27	-1.5-2.0
High vs Low	7	-1.0	-2.1--0.01	-1.1	-2.2-0.05	-0.45	-2.2-1.3
High vs Low	8	-1.8	-2.8--0.81	-1.8	-3.0--0.69	-1.15	-2.8-0.52
High vs Low	9	-2.3	-3.4--1.3	-2.4	-3.5--1.2	-1.55	-3.2-0.13
High vs Low	10	-2.6	-3.6--1.5	-2.7	-3.9--1.5	-1.66	-3.4-0.07
High vs Low	11	-2.6	-3.7--1.5	-2.8	-4.0--1.5	-1.48	-3.3-0.30
High vs Low	12	-2.3	-3.4--1.2	-2.6	-4.0--1.3	-1.01	-2.9-0.85
High vs Low	13	-1.7	-2.9--0.54	-2.3	-3.7--0.88	-0.25	-2.2-1.7
High vs Medium	7	-0.55	-1.5-0.43	-0.48	-1.6-0.62	-0.63	-2.3-1.1
High vs Medium	8	-0.99	-2.0--0.02	-0.87	-2.0-0.22	-1.1	-2.7-0.55

High vs Medium	9	-1.3	-2.3--0.31	-1.2	-2.3--0.05	-1.4	-3.0-0.30
High vs Medium	10	-1.5	-2.5--0.45	-1.4	-2.5--0.21	-1.4	-3.1-0.26
High vs Medium	11	-1.5	-2.6--0.46	-1.5	-2.7--0.27	-1.3	-3.1-0.43
High vs Medium	12	-1.4	-2.5--0.32	-1.5	-2.8--0.22	-1.0	-2.9-0.81
High vs Medium	13	-1.2	-2.3--0.03	-1.4	-2.8--0.07	-0.52	-2.5-1.4

Table 14. Predicted differences in height (cm) from 7-13 years among girls comparing those with low (13 µg/g creatinine), medium (13-<38 µg/g creatinine), and high (>=38 µg/g creatinine) concentrations of MBZP for all girls and stratified by baseline overweight status (<85<sup>th</sup> percentile and >=85<sup>th</sup> percentile).

Comparison of Categories of Concentrations	Age (years)	All Girls (n=1017)		Normal Weight Girls (n=692)		Overweight Girls (n=325)	
		Predicted Difference, cm	95% CI	Predicted Difference, cm	95% CI	Predicted Difference, cm	95% CI
Medium vs Low	7	-0.16	-1.1-0.76	-0.32	-1.4-0.72	-0.36	-1.9-1.2
Medium vs Low	8	-0.29	-1.2-0.61	-0.68	-1.7-0.36	-0.37	-1.9-1.1
Medium vs Low	9	-0.38	-1.3-0.53	-0.90	-2.0-0.16	-0.35	-1.9-1.1

Medium vs Low	10	-0.43	-1.4-0.51	-0.99	-2.1-0.11	-0.32	-1.9-1.2
Medium vs Low	11	-0.44	-1.4-0.53	-0.95	-2.1-0.20	-0.28	-1.9-1.3
Medium vs Low	12	-0.41	-1.4-0.60	-0.78	-2.0-0.43	-0.22	-1.9-1.4
Medium vs Low	13	-0.34	-1.4-0.72	-0.47	-1.8-0.80	-0.15	-1.9-1.6
High vs Low	7	-1.0	-2.1-0.03	-1.0	-2.2-0.12	-0.11	-2.0-1.7
High vs Low	8	-1.2	-2.3--0.18	-1.2	-2.4--0.07	-0.45	-2.3-1.4
High vs Low	9	-1.4	-2.5--0.35	-1.4	-2.6--0.23	-0.70	-2.5-1.1
High vs Low	10	-1.6	-2.7--0.50	-1.6	-2.8--0.38	-0.87	-2.7-1.0
High vs Low	11	-1.8	-2.9--0.64	-1.8	-3.1--0.53	-0.95	-2.9-0.98
High vs Low	12	-1.9	-3.1--0.75	-2.0	-3.4--0.69	-0.94	-3.0-1.1
High vs Low	13	-2.1	-3.3--0.85	-2.3	-3.7--0.83	-0.85	-3.0-1.3
High vs Medium	7	-0.87	-1.8-0.09	-0.72	-1.8-0.36	0.26	-1.4-1.9
High vs Medium	8	-0.93	-1.9-0.01	-0.55	-1.6-0.52	-0.08	-1.7-1.5
High vs Medium	9	-1.0	-2.0--0.07	-0.52	-1.6-0.58	-0.35	-2.0-1.3

High vs Medium	10	-1.2	-2.1--0.17	-0.63	-1.8-0.52	-0.54	-2.2-1.1
High vs Medium	11	-1.3	-2.3--0.29	-0.87	-2.1-0.32	-0.67	-2.4-1.0
High vs Medium	12	-1.5	-2.6--0.45	-1.3	-2.5--0.01	-0.72	-2.5-1.1
High vs Medium	13	-1.7	-2.9--0.62	-1.8	-3.1--0.46	-0.70	-2.6-1.2

Table 15. Predicted differences in height (cm) from 7-13 years among girls comparing those with low (<111 µg/g creatinine), medium (111- <278 µg/g creatinine), and high (>=278 µg/g creatinine) concentrations of DEHP for all girls and stratified by baseline overweight status (<85<sup>th</sup> percentile and >=85<sup>th</sup> percentile).

Comparison of Categories of Concentrations	Age (years)	All Girls (n=1017)		Normal Weight Girls (n=692)		Overweight Girls (n=325)	
		Predicted Difference, cm	95% CI	Predicted Difference, cm	95% CI	Predicted Difference, cm	95% CI
Medium vs Low	7	-0.30	-1.2-0.60	-0.84	-1.8-0.17	1.4	-0.14-2.9
Medium vs Low	8	-0.50	-1.4-0.38	-0.91	-1.9-0.08	0.98	-0.47-2.4
Medium vs Low	9	-0.60	-1.5-0.28	-0.96	-2.0-0.05	0.79	-0.67-2.3
Medium vs Low	10	-0.61	-1.5-0.30	-0.98	-2.0-0.07	0.78	-0.72-2.3

Medium vs Low	11	-0.53	-1.5-0.41	-0.98	-2.1-0.12	0.95	-0.60-2.5
Medium vs Low	12	-0.36	-1.3-0.62	-0.95	-2.1-0.20	1.3	-0.30-2.9
Medium vs Low	13	-0.09	-1.1-0.94	-0.90	-2.1-0.32	1.8	0.15-3.5
High vs Low	7	-0.98	-2.0-0.04	-1.1	-2.3-0.05	-0.15	-1.8-1.5
High vs Low	8	-0.89	-1.9-0.12	-0.82	-2.0-0.34	-0.51	-2.1-1.1
High vs Low	9	-0.84	-1.9-0.17	-0.67	-1.9-0.51	-0.72	-2.3-0.89
High vs Low	10	-0.85	-1.9-0.20	-0.67	-1.9-0.56	-0.78	-2.4-0.87
High vs Low	11	-0.91	-2.0-0.17	-0.82	-2.1-0.46	-0.69	-2.4-1.0
High vs Low	12	-1.0	-2.1-0.10	-1.1	-2.5-0.22	-0.45	-2.2-1.3
High vs Low	13	-1.2	-2.4--0.01	-1.6	-3.0--0.15	-0.06	-1.9-1.8
High vs Medium	7	-0.69	-1.7-0.34	-0.28	-1.4-0.89	-1.5	-3.1-0.12
High vs Medium	8	-0.39	-1.4-0.61	0.09	-1.1-1.2	-1.5	-3.1-0.09
High vs Medium	9	-0.24	-1.3-0.77	0.29	-0.89-1.5	-1.5	-3.1-0.09
High vs Medium	10	-0.23	-1.3-0.81	0.31	-0.92-1.5	-1.6	-3.2-0.08

High vs Medium	11	-0.37	-1.5-0.70	0.16	-1.1-1.4	-1.6	-3.3-0.05
High vs Medium	12	-0.66	-1.8-0.45	-0.17	-1.5-1.2	-1.8	-3.5-0.00
High vs Medium	13	-1.1	-2.3-0.08	-0.68	-2.1-0.74	-1.9	-3.8--0.06

Table 16. Predicted differences in height (cm) from 7-13 years among girls comparing those with low, medium, and high concentrations MEP, MBP, and MiBP<sup>a</sup>.

Comparisons of Categories of Concentrations	Age (years)	MEP		MBP		MiBP	
		Predicted Difference, cm	95% CI	Predicted Difference, cm	95% CI	Predicted Difference, cm	95% CI
Medium vs Low	7	-0.74	-1.7-0.23	-0.09	-1.2-1.0	-0.85	-1.8-0.09
Medium vs Low	8	-0.66	-1.6-0.29	-0.16	-1.3-0.92	-0.77	-1.7-0.15
Medium vs Low	9	-0.63	-1.6-0.34	-0.26	-1.4-0.84	-0.76	-1.7-0.18
Medium vs Low	10	-0.64	-1.6-0.35	-0.38	-1.5-0.75	-0.79	-1.8-0.17
Medium vs Low	11	-0.70	-1.7-0.33	-0.53	-1.7-0.64	-0.89	-1.9-0.11
Medium vs Low	12	-0.81	-1.9-0.26	-0.71	-1.9-0.50	-1.0	-2.1-0.00

Medium vs Low	13	-0.97	-2.1-0.16	-0.92	-2.2-0.36	-1.3	-2.3--0.16
High vs Low	7	-0.64	-1.8-0.48	-0.53	-1.7-0.66	-0.76	-1.8-0.31
High vs Low	8	-0.32	-1.4-0.78	-0.62	-1.8-0.55	-0.68	-1.7-0.38
High vs Low	9	-0.16	-1.3-0.95	-0.73	-1.9-0.45	-0.64	-1.7-0.43
High vs Low	10	-0.16	-1.3-0.99	-0.87	-2.1-0.34	-0.65	-1.8-0.45
High vs Low	11	-0.31	-1.5-0.88	-1.1	-2.3-0.21	-0.71	-1.9-0.43
High vs Low	12	-0.61	-1.8-0.63	-1.3	-2.6-0.05	-0.82	-2.0-0.37
High vs Low	13	-1.1	-2.4-0.24	-1.5	-2.9--0.12	-0.97	-2.2-0.28
High vs Medium	7	0.11	-0.87-1.1	-0.44	-1.3-0.44	0.09	-0.86-1.0
High vs Medium	8	0.34	-0.62-1.3	-0.46	-1.3-0.41	0.10	-0.84-1.0
High vs Medium	9	0.46	-0.51-1.4	-0.47	-1.4-0.40	0.11	-0.84-1.1
High vs Medium	10	0.48	-0.52-1.5	-0.50	-1.4-0.41	0.14	-0.84-1.1
High vs Medium	11	0.39	-0.64-1.4	-0.52	-1.5-0.41	0.18	-0.84-1.2
High vs Medium	12	0.20	-0.87-1.3	-0.55	-1.5-0.42	0.22	-0.83-1.3

High vs Medium	13	-0.10	-1.2-1.0	-0.58	-1.6-0.45	0.28	-0.84-1.4
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<sup>a</sup> MEP concentration categories: low, <39 µg/g creatinine); medium, 39-<136 µg/g creatinine; and high, >=136 µg/g creatinine). MBP concentration categories: low, <22 µg/g creatinine; medium, 22-<67 µg/g creatinine; and high, >=67 µg/g creatinine. MiBP concentration categories: low, <8.9 µg/g creatinine; medium, 8.9-<22 µg/g creatinine; and high, >=22 µg/g creatinine.