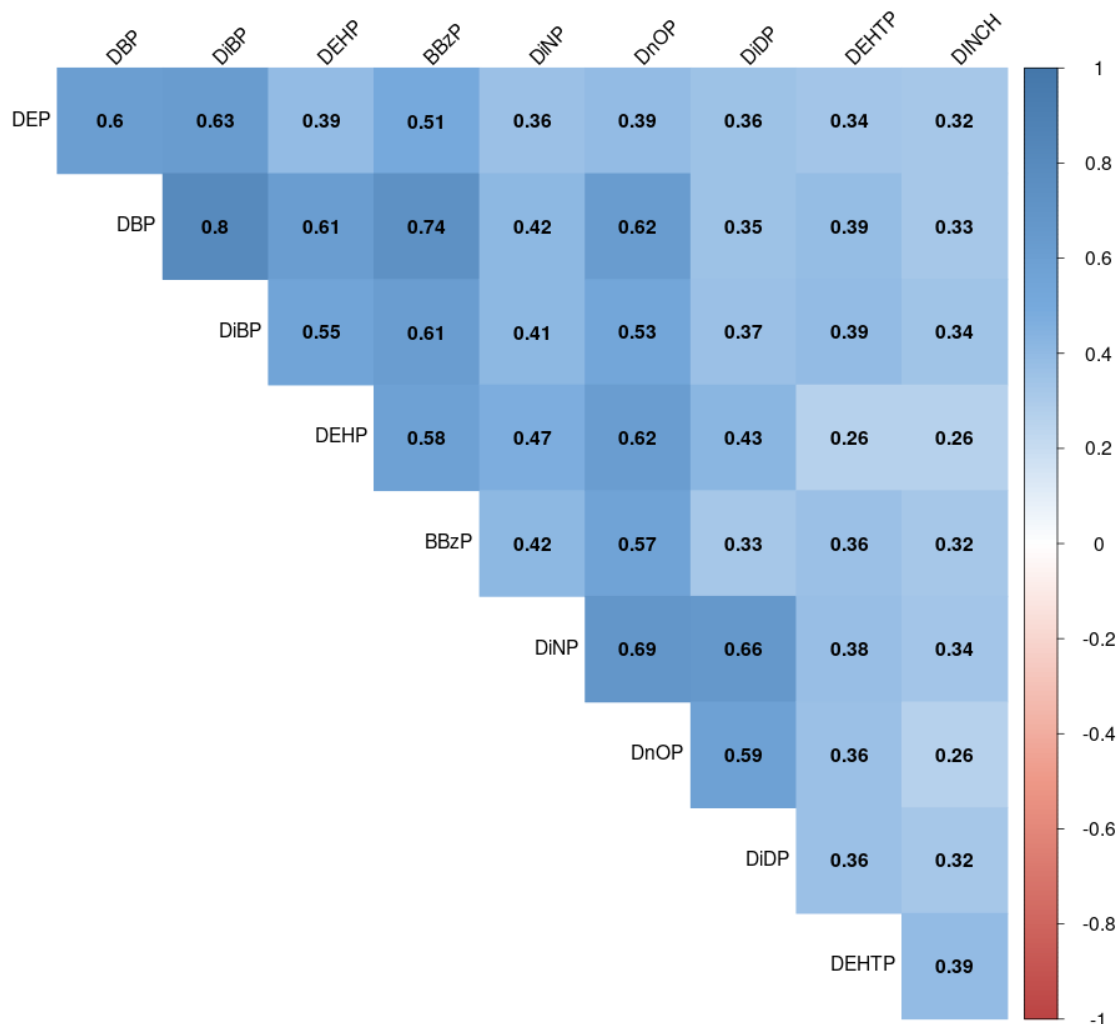


**Supplemental Figure.** Spearman correlation coefficients of parent phthalate concentrations in mid-childhood (age 6-10 years) in Project Viva (n = 830).



Abbreviations: DEP, diethyl phthalate; DBP, di-n-butyl phthalate; DiBP, di-iso-butyl phthalate; DEHP, di-ethylhexyl phthalate; BBzP, benzylbutyl phthalate; DiNP, di-isononyl phthalate; DnOP, di-n-octyl phthalate; DiDP, di-isodecyl phthalate; DEHTP, di-2-ethylhexyl terephthalate; DINCH, 1,2-Cyclohexane dicarboxylic acid, diisononyl ester.

[illegible]

	DEP	DBP <sup>a</sup>	DiBP	DEHP <sup>a</sup>	BBzP <sup>a</sup>	DiNP <sup>b</sup>	DnOP <sup>b</sup>	DiDP <sup>b</sup>	DEHTP
% change (95% CI)									
<b>Dietary intake</b>									
<b>≥ Daily intake (reference is less than daily intake) of:</b>									
Vegetables	9.0 (-6.6, 27.4)	-5.3 (-15.6, 6.3)	-3.7 (-14.4, 8.3)	-4.1 (-15.4, 8.8)	-3.5 (-16.4, 11.5)	<b>-14.2 (-25.7, -1.0)</b>	-6.7 (-17.8, 6.0)	-0.9 (-14.0, 14.3)	-9.5 (-24.1, 8.0)
Fruits	1.9 (-13.3, 19.7)	-4.8 (-15.5, 7.3)	-5.0 (-15.9, 7.3)	-7.8 (-19.1, 5.0)	-9.5 (-22.1, 5.1)	3.6 (-10.7, 20.2)	0.8 (-11.7, 15.0)	8.5 (-6.3, 25.8)	-1.5 (-18.0, 18.4)
Baked goods	1.2 (-19.5, 27.1)	3.6 (-12.5, 22.7)	-2.8 (-18.2, 15.4)	10.7 (-8.0, 33.1)	23.3 (-0.2, 52.3)	9.9 (-11.0, 35.7)	10.2 (-8.6, 33.0)	13.2 (-8.1, 39.5)	2.3 (-21.1, 32.6)
Eggs	11.7 (-15.9, 48.4)	-3.3 (-21.6, 19.4)	6.0 (-14.4, 31.4)	19.4 (-5.1, 50.2)	-1.0 (-23.9, 28.8)	-6.7 (-28.3, 21.3)	-9.0 (-27.9, 14.9)	0.9 (-22.2, 30.9)	<b>-29.6 (-49.1, -2.8)</b>
Meat	-8.3 (-28.1, 16.9)	-8.7 (-23.8, 9.3)	-8.7 (-24.0, 9.8)	4.6 (-14.1, 27.4)	0.0 (-20.2, 25.3)	7.6 (-14.1, 34.7)	-0.8 (-18.8, 21.2)	-4.9 (-23.9, 18.8)	<b>36.9 (3.8, 80.6)</b>
Pasta/whole grains	-6.3 (-19.5, 9.1)	5.0 (-6.2, 17.5)	0.1 (-10.8, 12.3)	-3.3 (-14.5, 9.3)	0.2 (-12.9, 15.4)	<b>-14.0 (-25.3, -1.0)</b>	4.1 (-8.1, 18.0)	-5.0 (-17.4, 9.1)	4.4 (-12.2, 24.1)
Whole fat dairy	14.8 (-1.1, 33.2)	8.4 (-2.9, 21.1)	<b>12.2 (0.2, 25.5)</b>	8.3 (-4.0, 22.3)	<b>18.1 (2.9, 35.6)</b>	2.7 (-10.5, 17.9)	2.6 (-9.2, 15.9)	-7.6 (-19.4, 5.9)	<b>19.1 (0.5, 41.1)</b>
Low fat dairy	-3.1 (-17.7, 14.0)	<b>-11.6 (-21.6, -0.3)</b>	-10.0 (-20.4, 1.8)	-12.0 (-22.9, 0.4)	0.3 (-13.8, 16.6)	-12.8 (-25.0, 1.3)	-12.5 (-23.4, 0.0)	<b>-15.8 (-27.4, -2.2)</b>	<b>-20.8 (-34.2, -4.7)</b>
<b>&gt; Weekly (reference is weekly or less) intake of:</b>									
Fish	7.4 (-12.8, 32.3)	-7.2 (-20.5, 8.3)	-3.3 (-17.4, 13.2)	-10.3 (-24.2, 6.1)	-4.0 (-20.9, 16.4)	-2.3 (-19.4, 18.5)	-6.9 (-21.5, 10.5)	0.3 (-17.1, 21.4)	18.4 (-6.6, 50.1)
Fried foods	-3.6 (-23.0, 20.8)	1.7 (-13.9, 20.2)	-0.8 (-16.4, 17.6)	-4.4 (-20.3, 14.8)	-1.5 (-20.1, 21.3)	1.1 (-17.9, 24.6)	-1.6 (-18.2, 18.4)	2.5 (-16.6, 26.0)	0.1 (-22.5, 29.4)
Fast food	34.0 (-0.5, 80.4)	8.6 (-12.9, 35.4)	-4.3 (-23.5, 19.9)	13.9 (-10.5, 44.9)	18.6 (-10.0, 56.2)	30.6 (-0.8, 72.0)	<b>31.0 (2.6, 67.3)</b>	23.0 (-6.3, 61.5)	8.0 (-23.0, 51.5)
Restaurant food	11.0 (-18.9, 51.9)	4.9 (-16.8, 32.4)	19.8 (-5.5, 51.9)	15.7 (-10.3, 49.2)	-3.7 (-28.0, 28.8)	29.8 (-2.9, 73.5)	11.0 (-14.2, 43.6)	-8.4 (-31.3, 22.0)	6.2 (-25.7, 51.7)
	DEP	DBP <sup>a</sup>	DiBP	DEHP <sup>a</sup>	BBzP <sup>a</sup>	DiNP <sup>b</sup>	DnOP <sup>b</sup>	DiDP <sup>b</sup>	DEHTP
% change (95% CI)									
<b>Urine collection characteristics</b>									
Time since last meal (per hour)	1.4 (0.0, 2.9)	0.8 (-0.3, 1.9)	0.6 (-0.5, 1.7)	-0.1 (-1.3, 1.0)	0.8 (-0.5, 2.1)	-0.6 (-1.9, 0.7)	0.1 (-1.1, 1.2)	-0.8 (-2.1, 0.5)	-0.6 (-2.2, 1.0)
Time of urine collection									
Morning (6a-11a)	Ref	Ref	Ref	Ref	Ref	Ref	Ref	Ref	Ref
Midday (11a-4p)	1.3 (-16.5, 23.0)	-9.3 (-21.5, 4.7)	-6.6 (-19.3, 8.2)	10.2 (-5.8, 29.0)	-11.0 (-25.7, 6.5)	3.6 (-13.4, 24.0)	-11.3 (-24.3, 4.0)	-1.2 (-17.3, 17.9)	-0.7 (-20.3, 23.9)
Evening (4p-8p)	-13.4 (-40.1, 25.2)	12.1 (-14.7, 47.2)	-12.0 (-33.4, 16.2)	16.7 (-13.4, 57.2)	19.3 (-15.2, 67.9)	-11.9 (-37.3, 23.8)	21.7 (-10.0, 64.7)	-15.2 (-39.5, 18.8)	42.2 (-6.4, 116.2)

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Year of urine collection

2007	Ref	Ref	Ref	Ref	Ref	Ref	Ref	Ref	Ref
2008	-0.1 (-22.5, 28.9)	<b>-19.8 (-33.6, -3.2)</b>	5.3 (-13.1, 27.7)	-6.9 (-24.2, 14.4)	5.1 (-17.0, 33.1)	11.3 (-12.0, 40.8)	-18.6 (-33.9, 0.3)	8.7 (-13.8, 37.2)	14.4 (-14.3, 52.8)
2009	5.5 (-18.6, 36.7)	<b>-21.0 (-34.8, -4.2)</b>	17.6 (-3.3, 43.0)	<b>-33.2 (-45.9, -17.7)</b>	6.9 (-16.0, 35.9)	<b>52.0 (19.6, 93.1)</b>	-15.9 (-32.0, 4.0)	18.3 (-6.7, 49.9)	<b>86.7 (39.0, 150.7)</b>
2010	4.3 (-25.9, 46.8)	-21.6 (-39.2, 1.0)	11.4 (-14.0, 44.2)	<b>-44.2 (-57.6, -26.4)</b>	5.0 (-23.5, 44.1)	<b>150.5 (82.7, 243.6)</b>	-11.6 (-33.2, 17.0)	30.1 (-4.8, 77.9)	<b>373.4 (220.9, 598.4)</b>
<b>Model R<sup>2</sup></b>	0.47	0.48	0.46	0.44	0.37	0.35	0.39	0.25	0.33

<sup>a</sup> Prohibited in select children's products at concentrations > 0.1% per phthalate as of 2008 under the U.S. under the Consumer Product Safety Improvement Act.

<sup>b</sup> Interim prohibition in select children's products at concentrations > 0.1% per phthalate as of 2008 under the U.S. under the Consumer Product Safety Improvement Act.

Abbreviations: CI, confidence interval; DEP, diethyl phthalate; DBP, di-n-butyl phthalate; DiBP, di-iso-butyl phthalate; DEHP, di-ethylhexyl phthalate; BBzP, benzylbutyl phthalate; DiNP, di-isononyl phthalate; DnOP, di-n-octyl phthalate; DiDP, di-isodecyl phthalate; DEHTP, di-2-ethylhexyl terephthalate.