

## Online Repository Tables

### Manuscript: Prenatal and Early Life Triclosan and Parabens Exposure and Allergic Outcomes

**Table E1A. Maternal plasma biomarker concentrations in nanograms/milliliter by treatment assignment<sup>a</sup>**

	4,400 IU/d Vit D (n=246)	400 IU/d Vit D (n=220)	<i>p</i> value <sup>b</sup>
Methyl paraben	10.4 (5.5, 27.1)	13.2 (4.9, 25.3)	0.71
Propyl paraben	1.8 (<LOD, 4.7)	2.2 (<LOD, 4.8)	0.98
Triclosan	2.2 (1.2, 5.4)	2.2 (1.0, 8.0)	0.63

<sup>a</sup>Medians (25th, 75th percentiles) are displayed. Triclosan limit of detection (LOD) = 1 ng/mL

<sup>b</sup>For Mann Whitney U test statistic

**Table E1B. Maternal plasma biomarker concentrations in nanograms/milliliter by child sex<sup>a</sup>**

	Male (n=255)	Female (n=211)	<i>p</i> value <sup>b</sup>
Methyl paraben	13.1 (5.5, 27.4)	11.6 (4.8, 25.0)	0.44
Propyl paraben	2.0 (0.7, 5.0)	1.9 (0.7, 4.4)	0.31
Triclosan	2.3 (1.2, 6.1)	2.0 (<LOD, 7.6)	0.50

<sup>a</sup>Medians (25th, 75th percentiles) are displayed. Triclosan limit of detection (LOD) = 1 ng/mL

<sup>b</sup>For Mann Whitney U test statistic

**Table E1C. Maternal plasma biomarker concentrations in nanograms/milliliter by study center<sup>a</sup>**

	San Diego (n=137)	Boston (n=108)	St. Louis (n=221)	<i>p</i> value <sup>b</sup>
Methyl paraben	8.6 (3.8, 23.7)	13.6 (6.2, 31.4)	13.2 (5.7, 26.8)	0.04
Propyl paraben	1.5 (0.4, 4.2)	2.2 (0.9, 5.7)	2.2 (0.7, 4.7)	0.05
Triclosan	2.9 (1.6, 8.7)	1.8 (<LOD, 7.6)	1.9 (<LOD, 5.2)	<0.01

<sup>a</sup>Medians (25th, 75th percentiles) are displayed. Triclosan limit of detection (LOD) = 1 ng/mL

<sup>b</sup>For Kruskal-Wallis test statistic

**Table E1D. Maternal plasma biomarker concentrations in nanograms/milliliter by maternal education<sup>a</sup>**

	Less than high school (n=61)	High school / Technical school graduate (n=140)	Some college (n=107)	College graduate or higher (n=158)	<i>p</i> value <sup>b</sup>
Methyl paraben	12.1 (5.8, 21.1)	14.7 (6.1, 26.2)	13.1 (5.1, 27.1)	9.7 (3.7, 27.5)	0.18
Propyl paraben	2.2 (0.8, 4.5)	2.6 (1.0, 4.8)	1.8 (0.6, 4.7)	1.6 (0.5, 4.7)	0.23
Triclosan	1.7 (<LOD, 3.)	1.8 (<LOD, 5.1)	2.1 (1.2, 6.8)	2.9 (1.5, 9.7)	<0.01

<sup>a</sup>Medians (25th, 75th percentiles) are displayed. Triclosan limit of detection (LOD) = 1 ng/mL

<sup>b</sup>For Kruskal-Wallis test statistic

**Table E2A. Child urinary biomarker concentrations in nanograms/milliliter by treatment assignment**

	4,400 IU/d Vit D (n=241)	400 IU/d Vit D (n=219)	<i>p</i> value <sup>a</sup>
Methyl paraben	61.6 (18.7, 289.6)	63.8 (25.5, 362.6)	0.21
SG corrected	66.2 (23.5, 290.3)	94.4 (28.4, 358.4)	0.14
Propyl paraben	6.7 (1.7, 21.1)	7.2 (2.3, 26.7)	0.39
SG corrected	6.8 (2.4, 24.9)	8.9 (2.4, 32.9)	0.38
Triclosan	4.3 (1.7, 15.0)	6.6 (2.5, 18.8)	0.09
SG corrected	5.2 (2.3, 17.4)	6.6 (3.1, 18.7)	0.08

Medians (25th, 75th percentiles) are displayed.

<sup>a</sup>For Mann Whitney U test statistic

**Table E2B. Child urinary biomarker concentrations in nanograms/milliliter by study center**

	San Diego (n=135)	Boston (n=107)	St. Louis (n=218)	<i>p</i> value <sup>a</sup>
Methyl paraben	52.6 (14.7, 205.6)	64.3 (19.5, 365.4)	73.2 (29.2, 336.4)	0.05
SG-corrected	63.8 (20.2, 243.0)	94.8 (23.1, 395.4)	92.0 (32.8, 361.3)	0.11
Propyl paraben	5.4 (1.3, 16.5)	5.0 (1.6, 27.1)	8.4 (3.0, 31.6)	<0.01
SG-corrected	5.5 (1.6, 19.7)	6.3 (1.9, 31.7)	10.3 (3.5, 36.4)	<0.01
Triclosan	4.0 (1.9, 13.0)	6.4 (2.3, 23.3)	5.7 (2.3, 17.2)	0.21
SG-corrected	5.5 (2.2, 15.2)	6.9 (2.9, 25.3)	5.7 (2.7, 18.5)	0.21

Medians (25th, 75th percentiles) are displayed.

<sup>a</sup>For Kruskal-Wallis test statistic

**Table E2C. Child urinary biomarker concentrations in nanograms/milliliter by maternal education**

	Less than high school (n=61)	High school / Technical school graduate (n=140)	Some college (n=107)	College graduate or higher (n=158)	<i>p</i> value <sup>a</sup>
Methyl paraben	77.7 (25.7, 383.2)	72.4 (31.1, 301.8)	74.2 (31.7, 399.3)	37.3 (12.9, 211.8)	<0.01
SG corrected	116.9 (31.1, 320.0)	89.2 (33.3, 345.4)	121.2 (33.1, 374.8)	54.8 (17.7, 200.3)	0.01
Propyl paraben	9.5 (2.5, 31.0)	7.4 (3.0, 30.5)	8.8 (2.4, 26.8)	3.7 (1.1, 15.9)	<0.01
SG corrected	10.4 (2.7, 47.5)	9.5 (3.5, 34.4)	10.7 (3.0, 33.6)	4.4 (1.4, 15.7)	<0.01
Triclosan	3.6 (0.2, 16.9)	5.3 (2.1, 20.4)	6.0 (2.8, 15.2)	5.9 (1.9, 17.1)	0.94
SG corrected	5.5 (2.4, 16.4)	5.9 (2.9, 19.5)	5.5 (2.9, 19.7)	6.3 (2.5, 18.7)	1.00

Medians (25th, 75th percentiles) are displayed.

<sup>a</sup>For Kruskal-Wallis test statistic

**Table E3. Associations between maternal plasma biomarker and child outcomes adjusted for maternal race/ethnicity, maternal education, maternal age, treatment assignment, and study center.**

Chemical	Tertile	Food Sensitization n = 390		Environmental Sensitization n = 389		Asthma/Wheeze Age 3 n = 466		Asthma Age 3 n = 466		Recurrent Wheeze Age 3 N = 466		Total IgE (log-transformed) n = 388	
		Crude	Adjusted	Crude	Adjusted	Crude	Adjusted	Crude	Adjusted	Crude	Adjusted	Crude	Adjusted
Triclosan	1	Ref	Ref	Ref	Ref	Ref	Ref	Ref	Ref	Ref	Ref	Ref	Ref
	2	1.25 (0.76, 2.04)	1.42 (0.85, 2.40)	0.89 (0.52, 1.51)	0.90 (0.52, 1.55)	1.22 (0.76, 1.99)	1.34 (0.85, 2.32)	1.23 (0.69, 2.23)	1.36 (0.74, 2.53)	1.20 (0.73, 1.97)	1.32 (0.79, 2.20)	0.15 (-0.25, 0.54)	0.17 (-0.22, 0.57)
	3	0.93 (0.56, 1.53)	1.10 (0.64, 1.88)	0.74 (0.43, 1.26)	0.73 (0.41, 1.28)	0.76 (0.45, 1.26)	0.86 (0.50, 1.46)	0.61 (0.31, 1.19)	0.76 (0.37, 1.51)	0.63 (0.36, 1.08)	0.68 (0.38, 1.18)	-0.26 (-0.66, 0.13)	-0.14 (-0.54, 0.26)
	<i>p value</i>	0.78	0.72	0.22	0.27	0.30	0.62	0.18	0.50	0.11	0.21	0.21	0.49
Methyl paraben	1	Ref	Ref	Ref	Ref	Ref	Ref	Ref	Ref	Ref	Ref	Ref	Ref
	2	1.10 (0.67, 1.82)	0.90 (0.53, 1.53)	0.92 (0.54, 1.57)	0.85 (0.49, 1.48)	0.98 (0.60, 1.60)	0.91 (0.55, 1.52)	0.98 (0.55, 1.77)	0.86 (0.46, 1.59)	0.98 (0.59, 1.63)	0.95 (0.56, 1.60)	0.17 (-0.23, 0.57)	0.04 (-0.35, 0.44)
	3	1.04 (0.63, 1.70)	0.79 (0.46, 1.34)	0.88 (0.51, 1.49)	0.79 (0.45, 1.38)	0.78 (0.47, 1.28)	0.68 (0.40, 1.16)	0.59 (0.30, 1.12)	0.52 (0.26, 1.02)	0.79 (0.47, 1.33)	0.72 (0.41, 1.24)	-0.09 (-0.48, 0.31)	-0.23 (-0.62, 0.17)
	<i>p value</i>	0.88	0.38	0.67	0.41	0.33	0.16	0.12	0.06	0.37	0.24	0.66	0.27
Propyl paraben	1	Ref	Ref	Ref	Ref	Ref	Ref	Ref	Ref	Ref	Ref	Ref	Ref
	2	0.84 (0.51, 1.37)	0.74 (0.43, 1.24)	0.69 (0.40, 1.19)	0.66 (0.37, 1.14)	0.62 (0.37, 1.03)	0.59 (0.35, 0.98)	0.65 (0.35, 1.19)	0.59 (0.31, 1.10)	0.74 (0.44, 1.24)	0.71 (0.42, 1.21)	-0.17 (-0.57, 0.22)	-0.25 (-0.64, 0.14)
	3	0.83 (0.51, 1.36)	0.65 (0.38, 1.10)	0.95 (0.56, 1.61)	0.87 (0.50, 1.49)	0.85 (0.53, 1.39)	0.78 (0.47, 1.30)	0.59 (0.31, 1.08)	0.54 (0.28, 1.02)	0.86 (0.52, 1.43)	0.81 (0.47, 1.36)	-0.16 (-0.55, 0.24)	-0.28 (-0.68, 0.12)
	<i>p value</i>	0.47	0.12	0.85	0.59	0.50	0.34	0.08	0.054	0.56	0.41	0.44	0.16

Beta coefficients (95% confidence intervals) are displayed for total IgE. Odds ratios (95% confidence intervals) are displayed for all results.  
*p* values are for tests for trend.

**Table E4. Associations between child urinary biomarker concentrations and child outcomes adjusted for urine specific gravity, child sex, child race/ethnicity, child age at urine collection, maternal education, treatment assignment, and study center.**

Chemical	Tertile	Food Sensitization n = 386		Environmental Sensitization n = 385		Asthma/Wheeze Age 3 n = 460		Asthma Age 3 n = 460		Recurrent Wheeze Age 3 N = 460		Total IgE (log-transformed) n = 385	
		Crude	Adjusted	Crude	Adjusted	Crude	Adjusted	Crude	Adjusted	Crude	Adjusted	Crude	Adjusted
Triclosan	1	Ref	Ref	Ref	Ref	Ref	Ref	Ref	Ref	Ref	Ref	Ref	Ref
	2	0.97 (0.58, 1.62)	0.88 (0.51, 1.50)	0.93 (0.53, 1.62)	0.94 (0.53, 1.67)	0.74 (0.44, 1.23)	0.68 (0.40, 1.16)	0.81 (0.42, 1.52)	0.78 (0.40, 1.50)	0.74 (0.43, 1.27)	0.69 (0.40, 1.21)	0.05 (-0.36, 0.46)	-0.04 (-0.45, 0.36)
	3	0.87 (0.52, 1.45)	0.85 (0.49, 1.47)	0.83 (0.48, 1.45)	0.93 (0.52, 1.68)	0.78 (0.47, 1.31)	0.72 (0.42, 1.23)	0.74 (0.38, 1.40)	0.78 (0.40, 1.54)	0.89 (0.52, 1.51)	0.81 (0.47, 1.42)	-0.07 (-0.48, 0.35)	0.03 (-0.38, 0.44)
	<i>p</i> value	0.59	0.55	0.51	0.82	0.36	0.24	0.36	0.48	0.68	0.48	0.74	0.88
Methyl paraben	1	Ref	Ref	Ref	Ref	Ref	Ref	Ref	Ref	Ref	Ref	Ref	Ref
	2	1.01 (0.61, 1.68)	0.80 (0.46, 1.38)	0.99 (0.57, 1.70)	0.93 (0.52, 1.68)	0.83 (0.50, 1.38)	0.82 (0.47, 1.40)	1.16 (0.61, 2.21)	0.97 (0.49, 1.92)	0.77 (0.45, 1.31)	0.77 (0.44, 1.36)	-0.04 (-0.44, 0.35)	-0.19 (-0.6, 0.22)
	3	1.43 (0.85, 2.39)	1.18 (0.68, 2.07)	1.07 (0.61, 1.87)	1.03 (0.56, 1.88)	0.92 (0.55, 1.55)	0.89 (0.51, 1.55)	1.22 (0.63, 2.39)	1.08 (0.53, 2.17)	1.07 (0.63, 1.83)	1.06 (0.60, 1.87)	0.14 (-0.27, 0.56)	0.00 (-0.42, 0.42)
	<i>p</i> value	0.18	0.53	0.81	0.92	0.75	0.70	0.55	0.83	0.81	0.82	0.51	0.97
Propyl paraben	1	Ref	Ref	Ref	Ref	Ref	Ref	Ref	Ref	Ref	Ref	Ref	Ref
	2	0.75 (0.45, 1.25)	0.54 (0.30, 0.95)	0.97 (0.56, 1.69)	0.81 (0.44, 1.47)	0.79 (0.47, 1.30)	0.80 (0.46, 1.38)	1.63 (0.87, 3.14)	1.43 (0.71, 2.89)	0.74 (0.44, 1.26)	0.80 (0.45, 1.42)	-0.02 (-0.42, 0.38)	-0.23 (-0.64, 0.18)
	3	1.25 (0.75, 2.08)	0.93 (0.53, 1.64)	1.25 (0.72, 2.18)	1.14 (0.62, 2.08)	0.78 (0.47, 1.30)	0.75 (0.43, 1.29)	1.29 (0.66, 2.56)	1.10 (0.54, 2.28)	0.95 (0.56, 1.61)	0.96 (0.55, 1.69)	0.04 (-0.37, 0.45)	-0.19 (-0.61, 0.24)
	<i>p</i> value	0.39	0.95	0.42	0.62	0.34	0.31	0.48	0.88	0.87	0.93	0.85	0.41

Crude analyses used chemical concentrations corrected for urine specific gravity.

Beta coefficients (95% confidence intervals) are displayed for total IgE. Odds ratios (95% confidence intervals) are displayed for all results.

*p* values are for tests for trend.

**Table E5A. Associations between maternal plasma biomarker concentrations and child food sensitization adjusted for maternal education, maternal age, treatment assignment, and study center, stratified by sex**

Chemical	Tertile	Male n = 213		Female n = 177	
		Crude	Adjusted	Crude	Adjusted
Triclosan	1	Ref	Ref	Ref	Ref
	2	1.04 (0.54, 2.02)	1.31 (0.64, 2.71)	1.58 (0.76, 3.34)	1.53 (0.70, 3.41)
	3	0.77 (0.38, 1.53)	0.96 (0.45, 2.04)	1.14 (0.55, 2.35)	1.26 (0.57, 2.78)
Methyl paraben	1	Ref	Ref	Ref	Ref
	2	<b>2.06 (1.03, 4.16)</b>	1.69 (0.80, 3.57)	0.54 (0.25, 1.12)	0.47 (0.22, 1.06)
	3	1.36 (0.68, 2.86)	0.92 (0.43, 1.97)	0.81 (0.40, 1.65)	0.65 (0.29, 1.37)
Propyl paraben	1	Ref	Ref	Ref	Ref
	2	1.32 (0.66, 2.66)	1.37 (0.65, 2.92)	0.52 (0.25, 1.05)	<b>0.40 (0.18, 0.88)</b>
	3	0.95 (0.49, 1.84)	0.65 (0.31, 1.35)	0.75 (0.35, 1.59)	0.59 (0.26, 1.33)

Odds ratios (95% confidence intervals) are displayed.

**Table E5B. Associations between maternal plasma biomarker concentrations and child environmental sensitization adjusted for maternal education, maternal age, treatment assignment, and study center, stratified by sex**

Chemical	Tertile	Male n = 213		Female n = 176	
		Crude	Adjusted	Crude	Adjusted
Triclosan	1	Ref	Ref	Ref	Ref
	2	0.85 (0.42, 1.74)	0.86 (0.40, 1.83)	0.96 (0.43, 2.10)	1.01 (0.44, 2.31)
	3	0.78 (0.37, 1.64)	0.81 (0.36, 1.77)	0.64 (0.28, 1.40)	0.70 (0.30, 1.63)
Methyl paraben	1	Ref	Ref	Ref	Ref
	2	1.66 (0.79, 3.55)	1.47 (0.68, 3.27)	0.46 (0.20, 1.04)	0.47 (0.19, 1.07)
	3	1.38 (0.65, 2.95)	1.13 (0.50, 2.56)	0.55 (0.25, 1.19)	0.54 (0.24, 1.20)
Propyl paraben	1	Ref	Ref	Ref	Ref
	2	1.58 (0.73, 3.47)	1.54 (0.69, 3.48)	<b>0.29 (0.13, 0.64)</b>	<b>0.28 (0.12, 0.65)</b>
	3	1.78 (0.87, 3.73)	1.49 (0.69, 3.29)	0.46 (0.20, 1.02)	0.43 (0.18, 1.00)

Odds ratios (95% confidence intervals) are displayed.

**Table S5C. Associations between maternal plasma biomarker concentrations and child asthma or wheeze adjusted for maternal education, maternal age, treatment assignment, and study center, stratified by sex**

Chemical	Tertile	Male n = 255		Female n = 211	
		Crude	Adjusted	Crude	Adjusted
Triclosan	1	Ref	Ref	Ref	Ref
	2	1.13 (0.59, 2.17)	1.35 (0.68, 2.69)	1.34 (0.65, 2.80)	1.29 (0.59, 2.81)
	3	1.12 (0.58, 2.20)	1.25 (0.61, 2.57)	<b>0.39 (0.16, 0.91)</b>	0.42 (0.16, 1.01)
Methyl paraben	1	Ref	Ref	Ref	Ref
	2	1.24 (0.65, 2.38)	1.36 (0.69, 2.73)	0.69 (0.32, 1.47)	0.67 (0.29, 1.51)
	3	0.81 (0.42, 1.58)	0.69 (0.34, 1.41)	0.71 (0.32, 1.52)	0.61 (0.26, 1.38)
Propyl paraben	1	Ref	Ref	Ref	Ref
	2	0.81 (0.41, 1.58)	0.90 (0.44, 1.82)	0.48 (0.22, 1.01)	0.40 (0.17, 0.91)
	3	0.92 (0.50, 1.72)	0.83 (0.42, 1.64)	0.72 (0.33, 1.57)	0.63 (0.27, 1.46)

Odds ratios (95% confidence intervals) are displayed.

**Table E6A. Associations between child urinary biomarker concentrations and child food sensitization adjusted for urine specific gravity, child age at urine collection, maternal education, treatment assignment, and study center, stratified by sex**

Chemical	Tertile	Male n = 211		Female n = 175	
		Crude	Adjusted	Crude	Adjusted
Triclosan	1	Ref	Ref	Ref	Ref
	2	1.25 (0.64, 2.47)	1.12 (0.53, 2.33)	0.81 (0.38, 1.73)	0.67 (0.28, 1.58)
	3	1.41 (0.72, 2.78)	1.44 (0.68, 3.06)	0.59 (0.29, 1.22)	0.48 (0.20, 1.14)
Methyl paraben	1	Ref	Ref	Ref	Ref
	2	1.01 (0.50, 2.04)	0.84 (0.39, 1.76)	1.01 (0.47, 2.16)	0.80 (0.33, 1.93)
	3	1.49 (0.79, 2.86)	1.26 (0.63, 2.54)	1.47 (0.68, 3.21)	1.30 (0.48, 3.51)
Propyl paraben	1	Ref	Ref	Ref	Ref
	2	0.99 (0.50, 1.94)	0.75 (0.35, 1.56)	0.55 (0.25, 1.19)	<b>0.32 (0.12, 0.85)</b>
	3	1.54 (0.79, 2.99)	1.21 (0.59, 2.47)	1.00 (0.46, 2.18)	0.64 (0.23, 1.70)

Odds ratios (95% confidence intervals) are displayed.

**Table E6B. Associations between child urinary biomarker concentrations and child environmental sensitization adjusted for urine specific gravity, child age at urine collection, maternal education, treatment assignment, and study center, stratified by sex**

Chemical	Tertile	Male n = 211		Female n = 174	
		Crude	Adjusted	Crude	Adjusted
Triclosan	1	Ref	Ref	Ref	Ref
	2	1.22 (0.60, 2.50)	1.10 (0.51, 2.38)	0.65 (0.28, 1.49)	0.69 (0.27, 1.79)
	3	0.92 (0.44, 1.91)	0.96 (0.43, 2.14)	0.73 (0.33, 1.59)	1.05 (0.41, 2.71)
Methyl paraben	1	Ref	Ref	Ref	Ref
	2	1.03 (0.47, 2.19)	1.02 (0.45, 2.27)	0.86 (0.39, 1.91)	0.80 (0.30, 2.09)
	3	1.43 (0.72, 2.85)	1.43 (0.68, 3.02)	0.67 (0.28, 1.57)	0.61 (0.19, 1.87)
Propyl paraben	1	Ref	Ref	Ref	Ref
	2	1.21 (0.56, 2.58)	1.11 (0.49, 2.48)	0.62 (0.27, 1.38)	0.39 (0.13, 1.11)
	3	<b>2.46 (1.21, 5.04)</b>	<b>2.47 (1.16, 5.37)</b>	0.46 (0.20, 1.08)	<b>0.24 (0.07, 0.74)</b>

Odds ratios (95% confidence intervals) are displayed.

**Table E6C. Associations between child urinary biomarker concentrations and child asthma or wheeze adjusted for urine specific gravity, child age at urine collection, maternal education, treatment assignment, and study center, stratified by sex**

Chemical	Tertile	Male n = 251		Female n = 209	
		Crude	Adjusted	Crude	Adjusted
Triclosan	1	Ref	Ref	Ref	Ref
	2	0.57 (0.29, 1.07)	0.59 (0.29, 1.19)	1.23 (0.55, 2.81)	1.04 (0.42, 2.58)
	3	0.58 (0.30, 1.11)	0.55 (0.26, 1.12)	1.40 (0.65, 3.11)	1.31 (0.54, 3.26)
Methyl paraben	1	Ref	Ref	Ref	Ref
	2	0.72 (0.37, 1.38)	0.66 (0.32, 1.31)	1.42 (0.61, 3.44)	1.33 (0.50, 3.68)
	3	0.63 (0.33, 1.19)	0.57 (0.28, 1.13)	2.01 (0.88, 4.89)	1.81 (0.62, 5.46)
Propyl paraben	1	Ref	Ref	Ref	Ref
	2	0.70 (0.36, 1.33)	0.72 (0.35, 1.46)	1.13 (0.51, 2.57)	1.01 (0.36, 2.85)
	3	0.74 (0.39, 1.41)	0.70 (0.35, 1.39)	1.05 (0.47, 2.41)	0.74 (0.26, 2.09)

Odds ratios (95% confidence intervals) are displayed.