

**Supplementary Table S1** Comparison of urinary paracetamol and *p*-aminophenol geometric means (95% CIs) by cohort covariates.

Characteristic	Female (n = 470)				Males (n = 439)			
	Paracetamol		<i>p</i> -Aminophenol		Paracetamol		<i>p</i> -Aminophenol	
	Geometric Mean (95% CI)	P	Geometric Mean (95% CI)	P	Geometric Mean (95% CI)	P	Geometric Mean (95% CI)	P
Age		0.19		0.32		0.49		0.22
<30	39.3 (27.0, 57.1)		630 (541, 733)		22.9 (13.7, 38.1)		800 (684, 935)	
30–40	74.1 (44.4, 124)		690 (592, 805)		34.7 (23.1, 52.2)		877 (781, 984)	
40+	—		—		35.3 (6.64, 187.6)		1128 (712, 1788)	
BMI (kg/m <sup>2</sup> )		0.73		0.01		0.91		0.31
<25	46.5 (29.2, 73.9)		597 (509, 701)		35.6 (18.0, 70.5)		738 (577, 944)	
25–30	57.9 (31.7, 106)		586 (473, 726)		25.8 (15.6, 42.7)		816 (706, 942)	
30–35	41.9 (19.0, 92.3)		783 (586, 1047)		33.1 (17.0, 64.3)		911 (772, 1076)	
>35	90.2 (34.8, 234)		979 (745, 1286)		29.4 (14.0, 61.6)		1000 (798, 1253)	
Income		0.86		0.01		0.38		0.33
<\$70 000	51.1 (29.7, 87.8)		822 (683, 989)		39.0 (21.2, 71.6)		894 (764, 1045)	
≥\$70 000	54.3 (36.8, 80.0)		597 (522, 682)		28.0 (19.5, 40.2)		847 (756, 948)	
Race, non-White		0.02		0.06		0.28		0.07
No	30.7 (15.9, 59.4)		534 (420, 679)		24.3 (12.1, 48.6)		694 (563, 856)	
Yes	62.0 (43.4, 88.6)		696 (616, 785)		32.3 (22.7, 45.9)		911 (824, 1008)	
Smoking		0.04		<0.0001		0.52		0.19
Passive	44.7 (32.5, 61.5)		596 (531, 670)		26.1 (18.8, 36.3)		833 (749, 926)	
Active	213.0 (64.4, 704)		1317 (1029, 1688)		42.7 (18.8, 97.0)		953 (794, 1144)	
Site		0.54		0.49		0.60		0.07
Michigan	42.1 (19.4, 91.4)		733 (588, 913)		23.1 (10.9, 48.8)		1009 (864, 1179)	
Texas	56.7 (40.3, 79.9)		641 (566, 725)		32.2 (22.9, 45.3)		825 (741, 917)	
Months off of contraception		0.68		0.34		—		—
0	52.1 (35.9, 75.7)		675 (591, 770)		—		—	
1	44.1 (18.6, 104)		686 (480, 980)		—		—	
2	66.0 (29.8, 146)		584 (474, 720)		—		—	
Site		0.54		0.49		0.60		0.07
Michigan	42.1 (19.4, 91.4)		733 (588, 913)		23.1 (10.9, 48.8)		1009 (864, 1179)	
Texas	56.7 (40.3, 79.9)		641 (566, 725)		32.2 (22.9, 45.3)		825 (741, 917)	
Hypothyroidism		0.002		0.46		0.10		0.07
No	46.23 (33.5, 63.7)		664 (594, 743)		30.57 (22.4, 41.8)		854 (779, 935)	
Yes	309.0 (86.5, 1106)		591 (386, 904)		5.15 (1.32, 20.2)		1723 (960, 3094)	
Hypertension		0.05		0.5		0.64		0.91
No	49.92 (36.3, 58.6)		665 (596, 742)		29.82 (21.4, 41.5)		859 (780, 946)	
Yes	252 (41.1, 158)		525 (276, 999)		32.73 (12.5, 85.4)		876 (675, 1136)	

P-values were derived by Wilcoxon–Mann–Whitney or Kruskal–Wallis tests comparing geometric means of paracetamol and *p*-aminophenol by covariate categories.

Passive (cotinine < 10 ng/ml).

Active (cotinine ≥ 10 ng/ml).

BMI, body mass index.