

Table E1: Description of maternal-child pairs included and excluded from analyses

Covariate	Response	Included N=673	Excluded N=585	p-value*
Maternal marital status	Not Married	218 (32.4)	267 (45.6)	<0.001
	Married	455 (67.6)	318 (54.4)	
Household income	<\$20k	76 (11.3)	106 (18.1)	<0.001
	20-<\$40K	140 (20.8)	155 (26.5)	
	40K-<\$80K	179 (26.6)	168 (28.7)	
	\$80K-<\$100K	92 (13.7)	43 (7.4)	
	>=\$100K	97 (14.4)	51 (8.7)	
	Refused to Answer	89 (13.2)	62 (10.6)	
Maternal education	<HS diploma	28 (4.2)	46 (7.9)	<0.001
	HS diploma	100 (14.9)	128 (21.9)	
	Some college	304 (45.2)	301 (51.5)	
	>=Bachelor's Degree	241 (35.8)	110 (18.8)	
Maternal race	White	176 (26.2)	114 (19.5)	0.002
	African American	386 (57.4)	392 (67)	
	Other/Mixed	111 (16.5)	79 (13.5)	
Mother atopic†	No	289 (42.9)	248 (48.1)	0.079
	Yes	384 (57.1)	268 (51.9)	
Prenatal antibiotic use†	No	293 (45.4)	43 (43.9)	0.78
	Yes	353 (54.6)	55 (56.1)	
Prenatal antifungal use†	No	526 (81.4)	78 (79.6)	0.67
	Yes	120 (18.6)	20 (20.4)	
Indoor pets at pre-delivery	No	417 (62)	403 (68.9)	0.010
	Yes	256 (38)	182 (31.1)	
Mode of delivery of offspring†	Vaginal	425 (63.2)	359 (62.1)	0.68
	C-Section	247 (36.8)	219 (37.9)	

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Current breastfeeding at 1 month†	No	278 (42.8)	223 (60.4)	<0.001
	Yes	372 (57.2)	146 (39.6)	
Exclusive breastfeeding at 1 month†	No	542 (83.4)	340 (92.1)	<0.001
	Yes	108 (16.6)	29 (7.9)	

C-section, Cesarean section

HS, high school

*Calculated by the chi-square test.

†Some missing values in covariate.

Table E2: Overall association between maternal atopy and childhood allergic outcomes

Outcome	Non-Atopic Mother: N(%)	Atopic Mother: N(%)	OR (95% CI)*	p-value
Eczema	55 (19.6%)	91 (24.5%)	1.15 (0.75, 1.77) [†]	0.51
Atopy	84 (42.6%)	165 (59.1%)	2.35 (1.56, 3.53) [†]	<0.001
Food sensitivity	69 (33.0%)	139 (48.9%)	2.20 (1.46, 3.31) [†]	<0.001
Inhalant sensitivity	34 (17.5%)	82 (29.6%)	2.04 (1.29, 3.24) [‡]	0.002

OR, odds ratio

CI, confidence interval

* odds of outcome in children of atopic versus non-atopic mothers.

[†] adjusted for maternal race.

[‡] adjusted for prenatal antibiotic use.