

**Online Data Supplement**

**Prenatal maternal stress and cord blood innate and adaptive cytokine responses:  
The Urban Environment and Childhood Asthma Study (URECA)**

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## **Study Population**

Exclusion criteria included factors that potentially affect lung or immune system development (e.g., maternal human immunodeficiency virus at delivery and newborn factors including significant congenital anomalies, pneumonia requiring antibiotic treatment for 1 week or more, and respiratory distress requiring either intubation and ventilation for 4 or more hours or supplemental oxygen or continuous positive airway pressure for 4 or more days). Between February 2005 and March 2007, 1853 families were screened, 779 met eligibility criteria, and 557 were enrolled(26). Table E1 shows maternal characteristics at screening by enrollment status; no significant differences were seen between the two groups based on sociodemographic factors, maternal asthma, or stress indices minimizing concern for selection bias.

Table E1. Maternal characteristics at screening by enrollment status

	Enrolled		Not Enrolled		p-value
	n	%	n	%	
Total Mothers	557	100.0	218	100.0	
Mother's age in years at recruitment (mean, range)	24.5	13-42	24.2	14-47	0.55
Race or ethnicity of mother					
Hispanic of any race	107	19.4	25	12.6	0.29
Black alone	390	70.9	152	76.4	
White alone	22	4.0	9	4.5	
More than one race	20	3.6	9	4.5	
All others	11	2.0	4	2.0	
Missing	7	--	19	--	
Household income < \$15,000 per year	314	69.0	110	71.9	0.50
Mother's education					
< High school	231	42.0	88	44.4	0.60
High school or GED	183	33.3	68	34.3	
> High school	136	24.7	42	21.2	
Maternal asthma	307	55.3	123	56.4	0.78
Difficult Life Circumstances (mean, range)	4.1	0-16	3.9	0-12	0.33
Neighborhood/block conditions (mean, range)	7.4	0-24	6.7	0-24	0.17
Perceived community violence (mean, range)	1.1	0-5	1.0	0-4	0.34
Rating of home (mean, range)	7.0	1-10	6.8	1-10	0.57