

TABLE E1. Overall demographic characteristics of study population by race/ethnicity, using survey weighting

Characteristic	Overall	Non-Hispanic white	Non-Hispanic black	Hispanic	Asian
Total (percentage in weighted estimates)	116,428 (100%)	54,896 (59.1%)	18,352 (14.9%)	31,829 (20.8%)	7,571 (5.2%)
Age (y), mean (SE of estimate)	8.6 (0.02)	8.8 (0.03)	8.7 (0.05)	8.1 (0.03)	8.3 (0.08)
% female (SE of estimate)	49.0 (0.002)	48.7 (0.002)	49.5 (0.005)	48.6 (0.003)	49.8 (0.007)
Nativity					
Child born outside the United States, % (95% CI)	4.2 (4.0-4.3)	1.5 (1.4-1.6)	2.6 (2.3-3.0)	8.8 (8.3-9.2)	20.3 (19.1-21.7)
Parent born outside the United States, % (95% CI)	21.5 (20.9-22.1)	6.2 (5.9-6.6)	12.9 (11.9-14.0)	57.0 (55.9-58.1)	76.9 (75.3-78.3)
Allergic disease					
Food allergy, % (95% CI)	5.4 (5.2-5.5)	5.5 (5.3-5.7)	5.9 (5.4-6.4)	4.3 (4.0-4.6)	6.2 (5.5-6.9)
Eczema, % (95% CI)	11.8 (11.5-12.0)	11.2 (10.8-11.5)	16.8 (16.1-17.5)	9.7 (9.3-10.1)	11.8 (10.8-12.7)
Asthma, % (95% CI)	9.0 (8.8-9.3)	8.0 (7.6-8.3)	15.3 (14.7-15.9)	8.2 (7.8-8.6)	5.7 (5.1-6.3)

Means and percentages are reported with SEs and 95% CIs of the weighted estimates because analyses were based on complex survey data.

TABLE E2. Stratified analyses by age category*

Variable	OR (95% CI)		
	Food allergy	Eczema	Asthma
Stratified analysis by age, ≤5 y			
Race			
Non-Hispanic white	Reference	Reference	Reference
Non-Hispanic black	1.11 (0.94-1.31)	1.86 (1.67-2.07)	2.83 (2.40-3.34)
Hispanic	0.77 (0.63-0.94)	1.03 (0.91-1.15)	1.48 (1.25-1.75)
Asian	1.27 (1.00-1.61)	1.47 (1.23-1.77)	1.38 (1.03-1.84)
Nativity category			
Child US-born	Reference	Reference	Reference
Parent US-born			
Child US-born	0.82 (0.67-0.98)	0.64 (0.57-0.71)	0.51 (0.43-0.60)
Parent foreign-born			
Child foreign-born	0.58 (0.32-1.03)	0.39 (0.25-0.57)	0.39 (0.23-0.66)
Parent foreign-born			
Child foreign-born	1.03 (0.44-2.37)	0.69 (0.37-1.29)	0.71 (0.33-1.51)
Parent US-born†			

Variable	OR (95% CI)		
	Food allergy	Eczema	Asthma
Stratified analysis by age, ages 5-12 y			
Race			
Non-Hispanic white	Reference	Reference	Reference
Non-Hispanic black	1.18 (0.99-1.39)	1.64 (1.48-1.82)	2.05 (1.84-2.28)
Hispanic	0.83 (0.70-0.99)	1.07 (0.96-1.20)	1.32 (1.17-1.48)
Asian	1.26 (0.97-1.62)	1.58 (1.30-1.91)	1.31 (1.07-1.60)
Nativity category			
Child US-born	Reference	Reference	Reference
Parent US-born			
Child US-born	1.06 (0.91-1.23)	0.68 (0.60-0.77)	0.61 (0.55-0.69)
Parent foreign-born			
Child foreign-born	0.72 (0.50-1.04)	0.43 (0.33-0.55)	0.26 (0.19-0.36)
Parent foreign-born			
Child foreign-born	1.18 (0.72-1.93)	0.68 (0.45-1.02)	0.46 (0.27-0.79)
Parent US-born†			

Variable	OR (95% CI)		
	Food allergy	Eczema	Asthma
Stratified analysis by age, ages 12-17 y			
Race			
Non-Hispanic white	Reference	Reference	Reference
Non-Hispanic black	1.02 (0.86-1.21)	1.37 (1.21-1.56)	1.61 (1.32-1.61)
Hispanic	0.86 (0.70-1.05)	0.98 (0.85-1.12)	1.13 (0.99-1.30)
Asian	1.13 (0.82-1.55)	1.29 (1.03-1.62)	0.85 (0.66-1.08)
Nativity category			
Child US-born	Reference	Reference	Reference
Parent US-born			
Child US-born	0.93 (0.75-1.14)	0.70 (0.61-0.82)	0.61 (0.52-0.71)
Parent foreign-born			
Child foreign-born	0.76 (0.57-1.00)	0.47 (0.36-0.61)	0.29 (0.22-0.38)
Parent foreign-born			
Child foreign-born	1.11 (0.65-1.87)	0.89 (0.57-1.38)	0.90 (0.58-1.38)
Parent US-born†			

*Adjusted for age, sex, and income.

†Foreign-birth to US-born parents is a small group with likely varying backgrounds.

TABLE E3. Effect of nativity on odds of allergic diseases, stratified by race*

Nativity category	OR (95% CI)		
	Food allergy	Eczema	Asthma
Non-Asian			
Child US-born	Reference	Reference	Reference
Parent US-born			
Child US-born	0.80 (0.73-0.88)	0.64 (0.60-0.68)	0.61 (0.57-0.66)
Parent foreign-born			
Child foreign-born	0.70 (0.56-0.87)	0.46 (0.38-0.55)	0.29 (0.24-0.36)
Parent foreign-born			
Child foreign-born	1.24 (0.88-1.77)	0.76 (0.55-1.07)	0.70 (0.50-0.98)
Parent US-born†			
Asian			
Child US-born	Reference	Reference	Reference
Parent US-born			
Child US-born	1.18 (0.89-1.56)	0.79 (0.63-0.98)	0.70 (0.52-0.96)
Parent foreign-born			
Child foreign-born	0.61 (0.41-0.92)	0.41 (0.29-0.59)	0.30 (0.16-0.56)
Parent foreign-born			
Child foreign-born	1.01 (0.53-1.90)	0.81 (0.46-1.44)	0.73 (0.38-1.41)
Parent US-born†			

*Adjusted for age, sex, and income.

†Foreign-birth to US-born parents is a small group with likely varying backgrounds.

TABLE E4. Overall demographic characteristics of Asian study population

Characteristic	Asian	Asian Indian	Chinese	Filipino	Other Asian
Total (percentage in weighted estimates)	7571	1698 (24.4%)	1396 (18.8%)	1823 (22.2%)	2654 (34.6%)

TABLE E5. Effect of race on odds of allergic diseases,* not adjusted for nativity

Variable	OR (95% CI)		
	Food allergy	Eczema	Asthma
Race			
Non-Hispanic white	Reference	Reference	Reference
Non-Hispanic black	1.10 (1.00-1.22)	1.62 (1.51-1.73)	1.92 (1.79-2.06)
Hispanic	0.78 (0.71-0.85)	0.84 (0.79-0.90)	0.96 (0.89-1.03)
Asian	1.13 (0.98-1.29)	1.05 (0.95-1.17)	0.72 (0.63-0.81)
Age (y)	0.99 (0.99-1.00)	0.97 (0.97-0.98)	1.06 (1.05-1.06)
Sex: female	0.99 (0.93-1.06)	1.03 (0.99-1.09)	0.77 (0.73-0.82)
Income†	1.00 (0.96-1.05)	1.00 (0.97-1.03)	0.81 (0.78-0.84)

*Adjusted for age, sex, and income.

†Income-to-poverty ratio is an ordinal variable, with categories of \leq Federal Poverty Level, 1-2 times Federal Poverty Level, \geq 2 times Federal Poverty Level.