

Supplemental Table 1: Multivariable Models of Obesity and Reactive Airway Disease in Adolescents and Young Adults

Parameter	Obesity (n = 90)		Reactive Airway Disease (n = 88)	
	OR (95% CI)	P-value	OR (95% CI)	P-value
HEU	4.6 (1.4, 17.0)	0.01	4.0 (1.2, 15.0)	0.03
Age (per year)	1.3 (1.1, 1.5)	0.01	1.1 (0.9, 1.4)	0.32
Male	0.7 (0.2, 1.8)	0.42	1.4 (0.4, 4.7)	0.56
Median income (per \$10,000) ^a	0.9 (0.7, 1.1)	0.27	0.7 (0.5, 1.0)	0.02
Maternal BMI (per 2 kg/m ²) ^b	1.3 (1.1, 1.5)	0.003	1.1 (0.9, 1.3)	0.29
Maternal history of tobacco use	0.7 (0.2, 2.3)	0.61	0.7 (0.2, 2.4)	0.58
Cesarean section	1.4 (0.4, 4.7)	0.54	2.2 (0.7, 7.3)	0.21
Adolescent obesity	-	-	0.6 (0.2, 2.1)	0.45

Bold text denotes statistical significance with $P < 0.05$.

^a Median household income was determined based on current adolescent zip code according to U.S. census data.

^b Maternal BMI was ascertained between 35 and 50 years of age.

Supplemental Table 2: Characteristics of Mother-Adolescent Dyads with Complete Data for Multivariable Models

A) Adolescents and Young Adults

	HEU Adolescents (n = 32)	Controls (n = 56)	P-value
Demographic Characteristics			
Age, years	17 ± 3	18 ± 3	0.09
Male, %	53	48	0.66
Race/Ethnicity, %			0.72
White	19	21	
Black	41	39	
Asian	0	4	
Hispanic	41	36	
Median household income, \$	57,143 [51,875, 83,843]	57,143 [51,875, 91,250]	0.67
Behavioral Health			
Ever tobacco use, %	7	13	0.39
Birth History			
Birth weight, kg	3.1 ± 0.6	3.1 ± 0.6	0.92
Full term, %	80	86	0.48
C-section, %	44	20	0.02

B) Mothers of Adolescents and Young Adults

	Mothers of HEU Adolescents (n = 32)	Mothers of Controls (n = 56)	P-value
General Prenatal History			
Age at delivery, years	29 ± 4	27 ± 7	0.29
Earliest BMI during pregnancy, kg/m ²	27.4 ± 4.8	27.0 ± 4.9	0.81
Obesity during pregnancy, %	27	30	0.79
Diabetes during pregnancy, %	0	5	0.22
Preeclampsia, %	0	5	0.21
HIV-Specific Prenatal History			
Duration of HIV, years	4 [2, 7]		
CD4 count, third trimester, cells/mm ³	402 [227, 599]		
HIV viral load < 400 copies/mL, third trimester, %	73		
ART during pregnancy, %	97		
NRTI	97		
NNRTI	23		
PI	53		
Contemporary Maternal Characteristics			
Education, %			0.74
Less than high school degree	19	27	
High school degree	52	45	
College degree	29	29	
BMI, 35-50 years old, kg/m ²	27.8 ± 7.0	31.6 ± 7.4	0.02
BMI category, 35-50 years old, %			0.06
Underweight	0	0	
Normal weight	41	25	
Overweight	28	18	
Obese	31	57	
Ever tobacco use, %	41	23	0.09

Variables that are normally distributed are expressed as mean ± SD, whereas variables that are not normally distributed are expressed as median [IQR]. Bold text denotes statistical significance with $P < 0.05$.

Abbreviations: C-section, Cesarean section; NNRTI, non-nucleoside reverse transcriptase inhibitor; NRTI, nucleoside reverse transcriptase inhibitor; PI, protease inhibitor.