Table 1: Weighted Sample Characteristics by Nativity, Add Health Waves 1-3

	First Gen.	Second Gen.	Third + Gen.	All
Nativity and Ethnicity				
Nativity Group	6	11	83	100
White/Other (Ref.)	17	39	76	68
Black	6	10	18	16
East Asian	9	5	0	2
Other Asian	22	9	0	3
Mexican	24	24	4	7
Non-Mexican Hispanic	21	15	2	5
Social/Demographic Characteristics				
Male	49	51	51	51
Parents Married	73	78	75	72
Parent Less HS (Ref.)	41	32	13	17
Parent HS	21	26	35	33
Parent Some College	18	23	31	29
Parent College	20	19	21	21
Mean Age, Wave 1	15.8	15.5	15.3	15.4
Mean Family Income (thousands)	41.4	44.8	47.7	46.7
Weight				
Parent Obese	15	18	25	23
BMI				
Wave 1	21.5	22.3	22.4	22.3
Wave 2	22.1	22.7	23	22.9
Wave 3	24.6	25.5	25.8	25.7
N	1,364	2,261	11,976	15,601

*Numbers in cells are percentages, unless otherwise noted. Totals may not sum to 100 because of rounding

Table 2: Growth Curve Estimates of Nativity Differences in BMI Levels and Change: Add Health, Waves 1-3*

	Total Sample, Unconditional Model		Total Sample, Conditional Model	
	Intercept (π_0)	Slope (π_1)	Intercept (π_0)	Slope (π_1)
Intercept	19.500**	0.610**	19.300**	0.609**
	(0.05)	(0.05)	(0.14)	(0.00)
First Gen.	-0.593**	-0.0993**	-0.780**	-0.102**
	(0.18)	(0.02)	(0.18)	(0.02)
Sec. Gen.	0.222	-0.0357**	-0.0330	-0.037**
	(0.14)	(0.01)	(0.15)	(0.01)
Male			0.150*	
			(0.07)	
Black			0.989**	
			(0.08)	
East Asian			-0.687**	
			(0.20)	
Other Asian			0.908**	
			(0.17)	
Mexican			1.104**	
			(0.14)	
Non-Mexican Hispanic			0.855**	
			(0.13)	
Parent HS			-0.331**	
			(0.11)	
Parent Some College			-0.654**	
			(0.12)	
Parent College			-0.963**	
			(0.11)	
Logged Family Income			-0.009	
			(0.02)	
Married			-0.149*	
			(0.07)	
Parent Obese			2.329**	
			(0.09)	
N	15,604		15,604	

π_0 denotes the covariate-specific intercepts at baseline (age 11), while π_1 denotes the covariate-specific BMI slopes over the course of the observed period. Reference category for parental education is less than high school.

Table 3: Growth Curve Estimates of Nativity Differences in BMI Levels and Change: Add Health, Waves 1-3*

	(A) First Generation		(B) Second Generation		(C) Third Generation	
	Intercept (π_0)	Slope (π_1)	Intercept (π_0)	Slope (π_1)	Intercept (π_0)	Slope (π_1)
Intercept	17.693[**bc]	0.468[**c]	19.024[**a]	0.536[**c]	19.223[**a]	0.660[**ab]
	(0.53)	(0.05)	(0.44)	(0.03)	(0.20)	(0.02)
Black	1.506[*]	-0.102[bc]	1.191[*]	0.034[a]	0.690[**]	0.0369[**a]
	(0.64)	(0.06)	(0.47)	(0.04)	(0.13)	(0.01)
East Asian	0.634	-0.149[**]	-0.189	-0.098[*]	-0.342	-0.102[†]
	(0.49)	(0.05)	(0.46)	(0.04)	(0.56)	(0.05)
Other Asian	-0.077[**bc]	0.0132	1.100[**c]	0.067[†]	1.306[*ab]	0.024
	(0.42)	(0.04)	(0.38)	(0.04)	(0.56)	(0.05)
Mexican	1.093[*]	0.122[*]	0.646[†]	0.070[*]	0.401	0.0837[*]
	(0.55)	(0.05)	(0.39)	(0.03)	(0.28)	(0.03)
Non-Mex. Hispanic	0.766[*]	0.085[*]	1.093[*c]	-0.0122	0.179[b]	0.0431[†]
	(0.38)	(0.04)	(0.37)	(0.03)	(0.31)	(0.02)
Parent HS	0.223	0.014	-0.344	0.0509[c]	-0.204	-0.0494[*b]
	(0.45)	(0.04)	(0.37)	(0.04)	(0.19)	(0.02)
Parent Some College	-0.160	0.019[c]	-0.421	0.0165[c]	-0.292	-0.0795[**ab]
	(0.44)	(0.04)	(0.38)	(0.04)	(0.19)	(0.02)
Parent College	0.191	0.032[c]	-1.223[**c]	0.002[c]	-0.442[*b]	-0.0992[**ab]
	(0.39)	(0.04)	(0.44)	(0.04)	(0.20)	(0.02)
Tests of Coefficient Equality						
Race/Ethnic Slopes						
x2 (5)	32.64		15.25		22.70	
p>x^2	0.00		0.00		0.00	
Parental Education Slopes						
x2 (3)	0.66		1.75		29.25	
p>x^2	0.88		0.63		0.00	
N	1,364		2,261		11,976	

π_0 denotes the covariate-specific intercepts at baseline (age 11), while π_1 denotes the covariate-specific BMI slopes over the course of the observed period.

The reference categories are as follows: for mother's education, less than high school; for race/ethnicity, non-Hispanic white. Models also control for adolescent sex, marital status, logged family income and parental obesity.

[†]<.10; * p<.05 ; ** p <.01

a, b, and c denote significant within-row differences from intercepts or slopes from panels A, B, or C, at the *p* < 0.05 level.

Table 4: Predicted BMI by Nativity: Add Health, Waves 1-3*

Ethnicity

First Gen.	NHW	Mexican	Non-Mex. Hisp	East As.	Oth. As.	Black
Age 12	18.9	20*	19.7*	19.5	18.8	20.4*
	(0.36)	(0.42)	(0.27)	(0.40)	(0.28)	(0.55)
Age 16	20.8	21.9*	21.6	21.5	20.8	22.4*
	(0.29)	(0.33)	(0.48)	(0.43)	(0.33)	(0.57)
Age 23	24.2	25.4*	25.0*	24.8	24.1	25.7*
	(0.32)	(0.65)	(0.28)	(0.59)	(0.51)	(0.69)

Second Gen.	NHW	Mexican	Non-Mex. Hisp	East As.	Oth. As.	Black
Age 12	19.7	20.4	20.8*	19.5	20.8*	20.9*
	(0.25)	(0.29)	(0.28)	(0.44)	(0.36)	(0.42)
Age 16	21.9	22.6	23*	21.8	23.1*	23.1*
	(0.20)	(0.32)	(0.30)	(0.45)	(0.37)	(0.43)
Age 23	25.8	26.5	26.9*	25.6	26.9*	27*
	(0.21)	(0.41)	(0.39)	(0.50)	(0.44)	(0.49)

Third Gen.	NHW	Mexican	Non-Mex. Hisp	East As.	Oth. As.	Black
Age 12	20	20.4	20.2	19.6	21.3*	20.7*
	(0.06)	(0.28)	(0.31)	(0.55)	(0.55)	(0.11)
Age 16	22.4	22.8	22.6	22	23.7*	23.1*
	(0.05)	(0.28)	(0.31)	(0.55)	(0.55)	(0.12)
Age 23	26.6	27	26.8	26.3	27.9*	27.3*
	(0.06)	(0.29)	(0.32)	(0.55)	(0.56)	(0.14)

Parental Educ.	**First. Gen.**				**Second Gen.**				**Third Gen.**			
	Less HS	HS	Some College	College	Less HS	HS	Some College	College	Less HS	HS	Some College	College
Age 12	19.4	19.6	19.3	19.6	20.8	20.5	20.4	19.6	20.5	20.3	20.2	20.0*
	(0.24)	(0.33)	(0.30)	(0.28)	(0.23)	(0.27)	(0.28)	(0.30)	(0.15)	(0.09)	(0.09)	(0.11)
Age 16	21.2	21.5	21.1	21.5	23	22.7	22.6	21.7	23.2	23	22.8	22.7*
	(0.21)	(0.39)	(0.36)	(0.34)	(0.19)	(0.30)	(0.31)	(0.34)	(0.12)	(0.12)	(0.11)	(0.13)
Age 23	24.4	24.7	24.3	24.7	26.8	26.4	26.4	25.5	28	27.7	27.6	27.4*
	(0.36)	(0.57)	(0.54)	(0.54)	(0.26)	(0.43)	(0.43)	(0.46)	(0.15)	(0.21)	(0.20)	(0.22)

NHW = Non-Hispanic White; East As. = East Asian; Oth. As. = Other Asian

Standard errors are in parentheses. Probabilities are adjusted for all covariates listed in Table 2, which are held constant at their means. N = 1,364 (first gen.), 2,261 (second gen.), 11,976 (third gen.)
* denotes significant within-row differences from NHW adolescents, for race/ethnicity; and significant difference from less than HS, for parental education, at the $p < 0.05$ level.

Appendix Table 1: Correlation between Self-Reported and Measured BMI for Key Groups

	Wave 2 BMI			Wave 3 BMI		
	First Gen.	Second Gen.	Third Gen.	First Gen.	Second Gen.	Third Gen.
Total Sample	0.91	0.92	0.92	0.94	0.95	0.94
White/Other (Ref.)	0.94	0.93	0.92	0.96	0.94	0.94
Black	0.94	0.88	0.92	0.94	0.94	0.94
East Asian	0.92	0.94	0.94	0.92	0.95	0.98
Other Asian	0.9	0.94	0.93	0.93	0.95	0.97
Mexican	0.9	0.89	0.9	0.95	0.94	0.91
Non-Mexican Hispanic	0.89	0.95	0.93	0.93	0.96	0.95
Parent Less HS (Ref.)	0.89	0.92	0.92	0.93	0.95	0.93
Parent HS	0.9	0.93	0.92	0.96	0.95	0.94
Parent Some College	0.92	0.92	0.92	0.95	0.95	0.94
Parent College	0.94	0.92	0.9	0.94	0.95	0.95

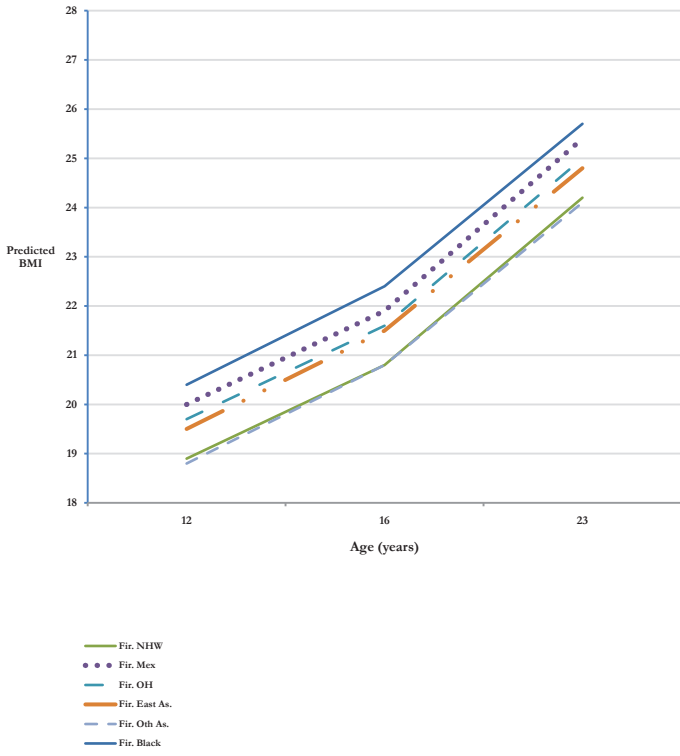Figure 1: Ethnic Differences in BMI Levels and Change, First-Generation Youth

Fir. NHW
Fir. Mex
Fir. OH
Fir. East As.
Fir. Oth As.
Fir. Black

Figure 2A: Education Differences in BMI Levels and Change, First-Generation Youth

Less HS
HS
Some College
College
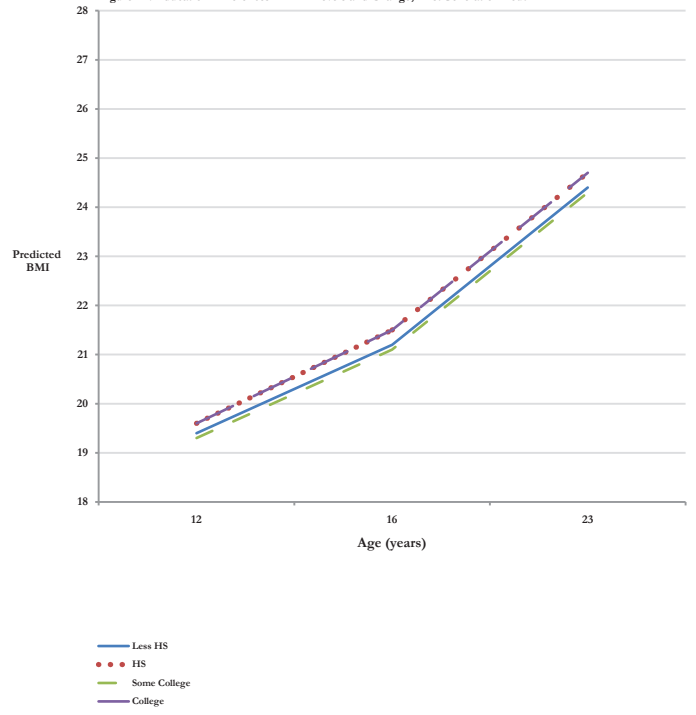
Figure 2B: Education Differences in BMI Levels and Change, Second-Generation Youth
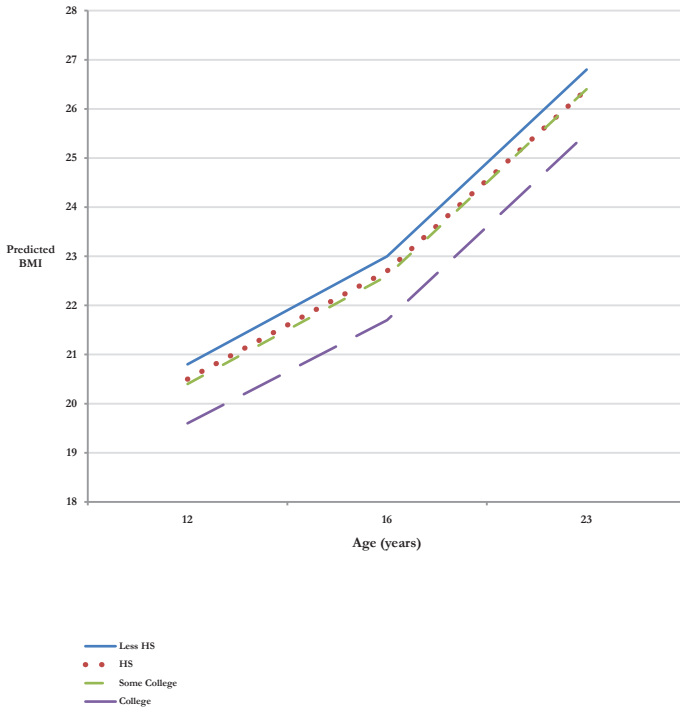
Less HS
HS
Some College
College

Figure 2C: Education Differences in BMI Levels and Change, Third-Plus Generation Youth

Less HS
HS
Some College
College