

Table 1: Average Sample Age of First Use, Average Predicted Age of First use, and Differences in Age of Substance Use Onset Between Monoracial and Biracial Youth

Race/Ethnicity Wave 1 Sample Size	Average Sample Age of First Use / Percent Who Have Ever Used		
	Cigarette	Alcohol	Marijuana
White (N= 10,487)	14.3 (79.1%)	14.9 (84.1%)	15.8 (58.5%)
Black (N= 4,391)	15.7 (60.3%)	15.7 (65.6%)	15.5 (46.9%)
Hispanic (N= 611)	14.5 (63.7%)	15.2 (66.0%)	14.7 (45.7%)
Asian (N= 1,321)	15.8 (61.9%)	16.1 (67.9%)	16.8 (38.8%)
American Indian (N= 148)	13.7 (81.1%)	13.9 (76.4%)	13.5 (64.2%)
White-Black (N= 135)	14.8 (75.6%)	15.0 (80.0%)	16.0 (65.9%)
White-Hispanic (N= 2,202)	15.2 (68.4%)	15.2 (74.6%)	15.6 (48.2%)
White-Asian (N= 145)	14.6 (73.1%)	14.9 (78.6%)	15.2 (64.8%)
White-American Indian(N= 312)	13.5 (85.3%)	14.3 (81.4%)	15.4 (64.4%)
Black-Hispanic(N= 154)	15.0 (69.5%)	15.6 (73.4%)	15.7 (51.3%)
Black-Asian(N= 26)	16.3 (69.2%)	16.2 (73.1%)	14.9 (57.7%)
Black-American Indian (N= 85)	15.1 (63.5%)	15.4 (62.4%)	15.1 (52.9%)
Hispanic-Asian (N= 121)	15.0 (67.8%)	15.3 (67.8%)	15.3 (49.6%)
Hispanic-American Indian (N= 355)	15.1 (73.8%)	15.3 (75.2%)	14.5 (55.8%)
Multi/Other (N= 250)	15.0 (72.0%)	14.5 (70.8%)	15.1 (54.4%)
Difference between Monoracial and Biracial Groups in Predicted Average Age of Substance Use Onset			
	Cigarette	Alcohol	Marijuana
White - White-Black	17.10 - 20.38 = -3.28	16.68 - 17.66 = -0.98	19.13 - 19.87 = -0.74
White - White-Hispanic	17.10 - 18.15 = -1.05	16.68 - 17.53 = -0.85	19.13 - 19.46 = -0.33
White - White-Asian	17.10 - 17.56 = -0.46	16.68 - 16.27 = 0.41	19.13 - 17.38 = 1.75
White - White-American Indian	17.10 - 15.89 = 1.21	16.68 - 16.68 = 0	19.13 - 18.55 = 0.58
Black - White-Black	20.04 - 20.38 = -0.34	18.98 - 17.66 = 1.32	20.57 - 19.87 = 0.70
Black - Black-Hispanic	20.04 - 18.94 = 1.10	18.98 - 18.06 = 0.92	20.57 - 19.89 = 0.68
Black - Black-Asian	20.04 - 23.59 = -3.55	18.98 - 16.79 = 2.19	20.57 - 23.62 = -3.05
Black - Black-American Indian	20.04 - 18.50 = 1.54	18.98 - 20.01 = -1.03	20.57 - 19.27 = 1.30
Hispanic - White-Hispanic	17.91 - 18.15 = -0.24	16.35 - 17.53 = -1.18	18.75 - 19.46 = -0.71
Hispanic - Black-Hispanic	17.91 - 18.94 = -1.03	16.35 - 18.06 = -1.71	18.75 - 19.89 = -1.05
Hispanic - Hispanic-Asian	17.91 - 17.97 = -0.06	16.35 - 19.59 = -3.24	18.75 - 20.71 = -1.96
Hispanic - Hispanic-American Indian	17.91 - 18.98 = -1.07	16.35 - 18.01 = -1.66	18.75 - 19.78 = -1.03
Asian - White-Asian	18.70 - 17.56 = 1.14	18.61 - 16.27 = 2.34	21.21 - 17.38 = 3.83
Asian - Black-Asian	18.70 - 23.59 = -4.89	18.61 - 16.79 = 1.82	21.21 - 23.62 = -2.41
Asian - Hispanic-Asian	18.70 - 17.97 = 0.73	18.61 - 19.59 = -0.98	21.21 - 20.71 = 0.50
American Indian - White-American Indian	15.76 - 15.89 = -0.13	16.29 - 16.68 = -0.39	17.93 - 18.55 = -0.62
American Indian - Black-American Indian	15.76 - 18.50 = -2.74	16.29 - 20.01 = -3.72	17.93 - 19.27 = -1.34
American Indian - Hispanic-American Indian	15.76 - 18.98 = -3.22	16.29 - 18.01 = -1.72	17.93 - 19.78 = -1.85

Table 2. Tobit Regressions for the Age of First Cigarette, Alcohol, and Marijuana Use

Variable	Cigarette		Alcohol		Marijuana	
Black	4.002***	(0.410)	2.535***	(0.336)	2.933***	(0.609)
Hispanic	1.036	(0.958)	-0.351	(0.691)	-0.703	(1.504)
Asian	2.101***	(0.572)	2.114***	(0.478)	4.355***	(0.906)
American Indian	-1.629	(0.982)	-0.419	(0.738)	-2.172	(3.006)
White-Black	4.514	(2.399)	1.051	(1.117)	1.446	(3.096)
White-Hispanic	1.353**	(0.473)	0.914*	(0.392)	0.636	(0.731)
White-Asian	0.589	(1.319)	-0.443	(0.696)	-3.100 *	(1.571)
White-American Indian	-1.472*	(0.692)	-0.003	(0.760)	-1.075	(1.138)
Black-Hispanic	2.424	(2.451)	1.494	(1.479)	1.489	(3.034)
Black-Asian	10.252*	(4.559)	0.115	(1.192)	10.953	(6.090)
Black-American Indian	1.821	(3.034)	3.737	(2.386)	0.260	(3.071)
Hispanic-Asian	1.124	(1.957)	3.246	(2.000)	3.227	(3.398)
Hispanic-American Indian	2.473*	(1.113)	1.444	(0.943)	1.272	(1.755)
Multirace/Other****	0.732	(1.305)	0.278	(0.843)	-2.561	(1.770)
Age at wave 1 interview	0.382***	(0.070)	0.115*	(0.053)	0.268**	(0.102)
Sex	1.553***	(0.232)	1.203***	(0.176)	3.408***	(0.347)
Family Structure	1.500***	(0.286)	0.430	(0.228)	2.083***	(0.430)
Community Type						
Suburban	-1.696	(0.253)	-0.221	(0.195)	-0.273	(0.380)
Rural	0.141	(0.350)	-0.421	(0.256)	0.793	(0.533)
Region						
Midwest	-1.162**	(0.361)	-1.035***	(0.272)	-1.533**	(0.516)
South	-1.214***	(0.325)	-0.541*	(0.251)	-0.490	(0.470)
Northeast	-0.784	(0.416)	-0.582	(0.302)	-0.578	(0.591)
Closeness to mother figure	0.604***	(0.150)	0.520***	(0.122)	0.765**	(0.241)
Lost mother figure	11.351	(6.060)	5.543*	(2.392)	86.260	
Closeness to father figure	1.010***	(0.123)	0.644***	(0.111)	1.586***	(0.199)
Lost father figure	2.337	(10.660)	6.837	(5.114)	0.593	
Constant	4.406**	(1.663)	11.414***	(1.312)	11.984***	(2.500)
Estimated SE of the Regression	8.618	(0.124)	6.479	(0.111)	11.844	(0.149)
Pseudo R2	0.009		0.009		.011	
N	10557		10439		9876	

Standard Error in parentheses. *p < 0.05, ** p < 0.01, *** p < 0.001

****Multirace/Other refers to respondents who self-identified with three or more races/ethnicities or no races/ethnicities.