

Supplementary Materials

Perceived racial discrimination, psychological distress, and suicidal behavior in adolescence: Secondary analysis of cross-sectional data from a statewide youth survey

Table S1. Comparison of Student Demographics: KIP 2021 and Kentucky Department of Education Enrollment 2020-2021

		KIP 2021		KY Total Enrollment 2020-2021 ^b		KY Enrollment w/o Jefferson County 2020-2021 ^c	
Characteristics		<i>n</i>	(%)	<i>n</i>	(%)	<i>n</i>	(%)
Overall		93,812	(100)	217,566	(100)	185,515	(100)
School Grade							
	6	25,552	(27.2)	54,479	(25.0)	46,490	(25.1)
	8	26,712	(28.5)	56,558	(26.0)	48,281	(26.0)
	10	23,632	(25.2)	56,352	(25.9)	47,633	(25.7)
	12	17,916	(19.1)	50,177	(23.1)	43,111	(23.2)
Gender Identity ^a							
	Female	42,065	(44.8)	106,035	(48.7)	90,116	(48.6)
	Male	46,052	(49.1)	111,531	(51.3)	95,399	(51.4)
	Questioning/unsure	1,524	(1.6)				
	Not listed	2,103	(2.2)				
	Prefer not to say	1,756	(1.9)				
Race-Ethnicity ^a							
	Non-Hispanic White	66,829	(71.2)	162,853	(74.9)	149,495	(80.6)
	Black	5,920	(6.3)	24,480	(11.3)	12,356	(6.7)
	Hispanic or Latino	8,265	(8.8)	16,650	(7.7)	12,898	(7.0)
	Asian	1,227	(1.4)	3,867	(1.8)	2,599	(1.4)
	Native Hawaiian or Pacific Islander	148	(0.2)	298	(0.1)	253	(0.1)
	American Indian or Alaska Native	918	(1.0)	293	(0.1)	257	(0.1)
	Multiracial	5,619	(6.0)	9,125	(4.2)	7,657	(4.1)
	Other	1,743	(1.9)				
Rural							
	Yes	52,087	(55.5)	107,506	(49.4)	107,506	(58.0)
	No	41,725	(44.5)	110,060	(50.6)	77,895	(42.0)

^aOverall characteristics may not add to 100% due to missing data; ^bTotal enrollment for Grades 6, 8, 10, and 12 with Jefferson County School District; ^cTotal enrollment for Grades 6, 8, 10, and 12 without Jefferson County School District.

Table S2. Characteristics of middle school students

		Overall		SPD		Suicide Ideation		Suicide Attempt	
Characteristics		<i>n</i>	(%)	<i>n</i>	(%)	<i>n</i>	(%)	<i>n</i>	(%)
Overall		52,264	(100)	9,217	(17.6)	6,179	(11.8)	3,876	(7.4)
School Grade									
	6	25,552	(48.9)	3,823	(15.0)	2,443	(9.6)	1,669	(6.5)
	8	26,712	(51.1)	5,394	(20.2)	3,736	(14.0)	2,207	(8.3)
Gender Identity ^a									
	Female	22,866	(43.7)	4,791	(21.0)	3,114	(13.6)	1,974	(8.6)
	Male	25,821	(49.4)	2,729	(10.6)	1,733	(6.7)	1,101	(4.3)
	Questioning/unsure	993	(1.9)	559	(56.3)	431	(43.4)	241	(24.3)
	Not listed	1,220	(2.3)	714	(58.5)	595	(48.8)	353	(28.9)
	Prefer not to say	1,181	(2.3)	401	(34.0)	290	(24.6)	195	(16.5)
Sexual Orientation ^a									
	Heterosexual	32,689	(62.6)	4,075	(12.5)	2,476	(7.6)	1,459	(4.5)
	Gay or lesbian	2,893	(5.5)	1,464	(50.6)	1,218	(42.1)	763	(26.4)
	Questioning/unsure	2,768	(5.3)	761	(27.5)	536	(19.4)	306	(11.1)
	Not listed	3,717	(7.1)	1,437	(38.7)	1,151	(31.0)	682	(18.4)
	Prefer not to say	4,861	(9.3)	834	(17.2)	421	(8.7)	322	(6.6)
Race-Ethnicity ^{ab}									
	NH White (White)	35,439	(67.8)	6,126	(17.3)	3,992	(11.3)	2,290	(6.5)
	NH Black (Black)	3,555	(6.8)	534	(15.0)	442	(12.4)	327	(9.2)
	Hispanic	4,839	(9.3)	931	(19.2)	648	(13.4)	492	(10.2)
	NH Asian/NH/PI (Asian/Pacific Islander)	700	(1.3)	112	(16.0)	74	(10.6)	41	(5.9)
	NH AI/AN (Native American)	650	(1.2)	137	(21.1)	85	(13.1)	70	(10.8)
	NH Other (Other)	1,348	(2.6)	268	(19.9)	182	(13.5)	133	(9.9)
	NH Multiracial (Multiracial)	3,242	(6.2)	799	(24.7)	572	(17.6)	378	(11.7)
Rural									
	Yes	28,925	(55.3)	5,322	(18.4)	3,541	(12.2)	2,233	(7.7)
	No	23,339	(44.7)	3,895	(16.7)	2,638	(11.3)	1,643	(7.0)
Perceived Racial Discrimination ^a									
	Yes	2,557	(4.9)	1,018	(39.8)	763	(29.8)	529	(20.7)
	No/Not sure	43,225	(82.7)	7,178	(16.6)	4,778	(11.1)	2,818	(6.5)

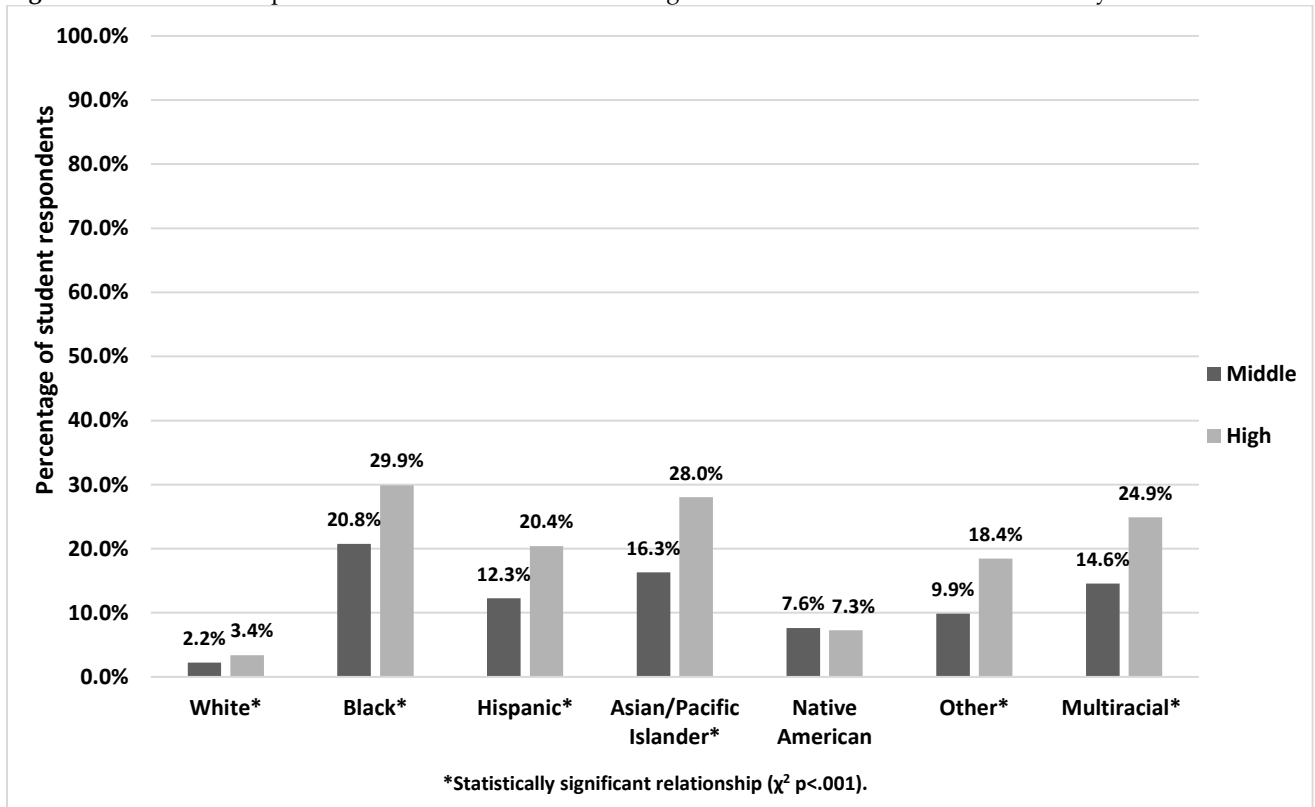
^aOverall characteristics may not add to 100% due to missing data; ^bNH= Non-Hispanic; NH/PI=Native Hawaiian or Pacific Islander; AI/AN=American Indian or Alaska Native

Table S3. Characteristics of high school students

		Overall		SPD		Suicide Ideation		Suicide Attempt	
Characteristics		<i>n</i>	(%)	<i>n</i>	(%)	<i>n</i>	(%)	<i>n</i>	(%)
Overall		41,548	(100)	10,093	(24.3)	6,345	(15.3)	3,048	(7.3)
School Grade									
10		23,632	(56.9)	5,715	(24.2)	3,694	(15.6)	1,870	(7.9)
12		17,916	(43.1)	4,378	(24.4)	2,651	(14.8)	1,178	(6.6)
Gender Identity ^a									
Female		19,199	(46.2)	5,792	(30.2)	3,354	(17.5)	1,618	(8.4)
Male		20,231	(48.7)	3,065	(15.1)	2,071	(10.2)	967	(4.8)
Questioning/unsure		531	(1.3)	330	(62.2)	253	(47.7)	112	(21.1)
Not listed		883	(2.1)	596	(67.5)	452	(51.2)	227	(25.7)
Prefer not to say		575	(1.4)	283	(49.2)	196	(34.1)	109	(19.0)
Sexual Orientation ^a									
Heterosexual		30,199	(72.7)	5,461	(18.1)	3,124	(10.3)	1,439	(4.8)
Gay or lesbian		2,551	(6.1)	1,375	(53.9)	1,029	(40.3)	512	(20.1)
Questioning/unsure		1,575	(3.8)	704	(44.7)	495	(31.4)	224	(14.2)
Not listed		2,879	(6.9)	1,527	(53.0)	1,122	(39.0)	514	(17.9)
Prefer not to say		1,686	(4.1)	471	(27.9)	255	(15.1)	136	(8.1)
Race-Ethnicity ^{ab}									
NH White (White)		31,390	(75.6)	7,637	(24.3)	4,726	(15.1)	2,140	(6.8)
NH Black (Black)		2,365	(5.7)	473	(20.0)	319	(13.5)	177	(7.5)
Hispanic		3,426	(8.3)	822	(24.0)	517	(15.1)	296	(8.6)
NH Asian/NH/PI (Asian/Pacific Islander)		675	(1.6)	139	(20.6)	88	(13.0)	40	(5.9)
NH AI/AN (Native American)		268	(0.7)	63	(23.5)	40	(14.9)	31	(11.6)
NH Other (Other)		395	(1.0)	104	(26.3)	67	(17.0)	44	(11.1)
NH Multiracial (Multiracial)		2,377	(5.7)	719	(30.3)	504	(21.2)	269	(11.3)
Rural									
Yes		23,162	(55.8)	5,760	(24.9)	3,603	(15.6)	1,828	(7.9)
No		18,386	(44.3)	4,333	(23.6)	2,742	(14.9)	1,220	(6.6)
Perceived Racial Discrimination ^a									
Yes		3,018	(7.3)	1,122	(37.2)	802	(26.6)	422	(14.0)
No/Not sure		34,581	(83.2)	8,084	(23.4)	4,992	(14.4)	2,259	(6.5)

^aOverall characteristics may not add to 100% due to missing data; ^bNH= Non-Hispanic; NH/PI=Native Hawaiian or Pacific Islander; AI/AN=American Indian or Alaska Native

Figure S1. Prevalence of perceived racial discrimination among racial and ethnic minorities stratified by school level



Note: For all racial/ethnic groups besides Native Americans, high schoolers reported significantly higher rates of PRD than middle school students. The following are Cramer's V for each racial/ethnic group with a significant relationship from left to right: 0.04, 0.10, 0.11, 0.14, -0.01, 0.11, 0.13.

Figure S2. Prevalence of SPD and suicidality among racial and ethnic minorities in middle school

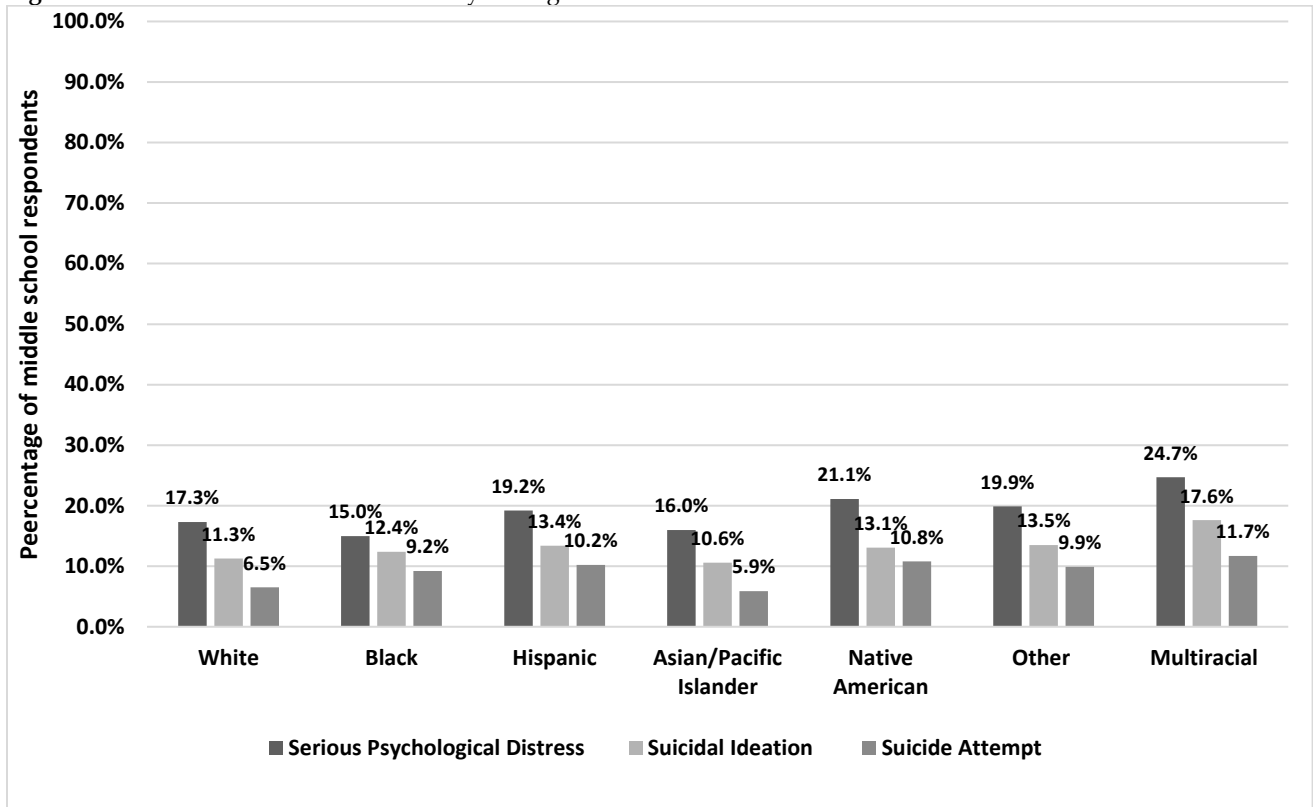


Figure S3. Prevalence of SPD and suicidality among racial and ethnic minorities in high school

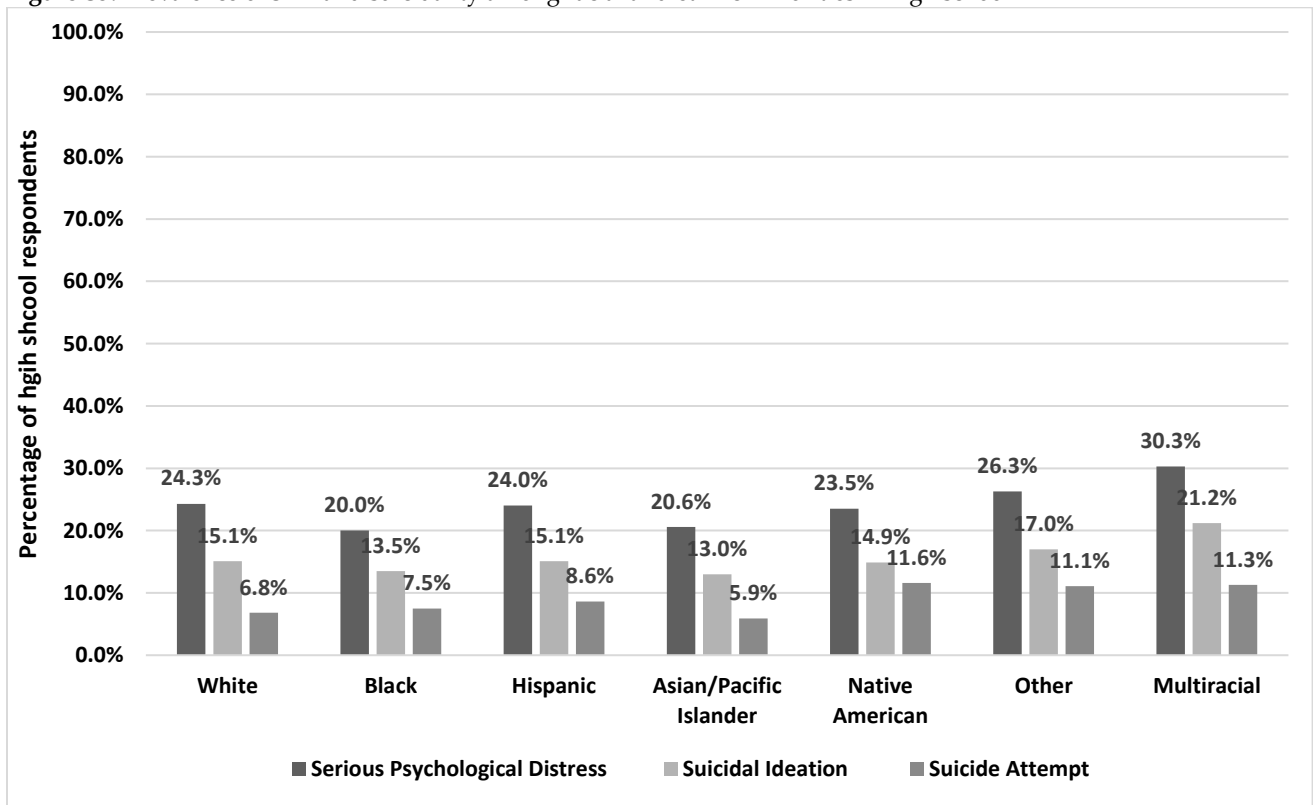


Figure S4. Adjusted odds of SPD and among racial and ethnic minorities stratified by school level

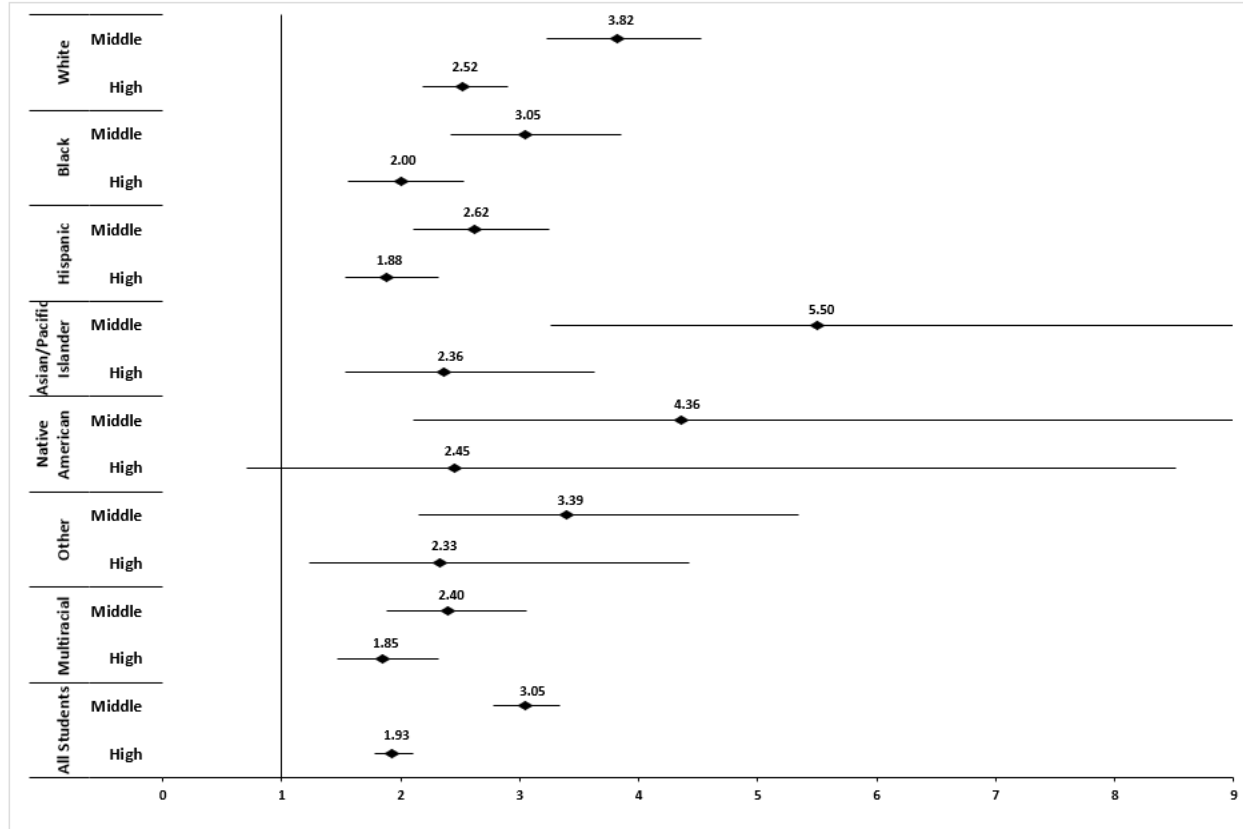


Figure S5. Adjusted odds of suicidal ideation among racial and ethnic minorities stratified by school level

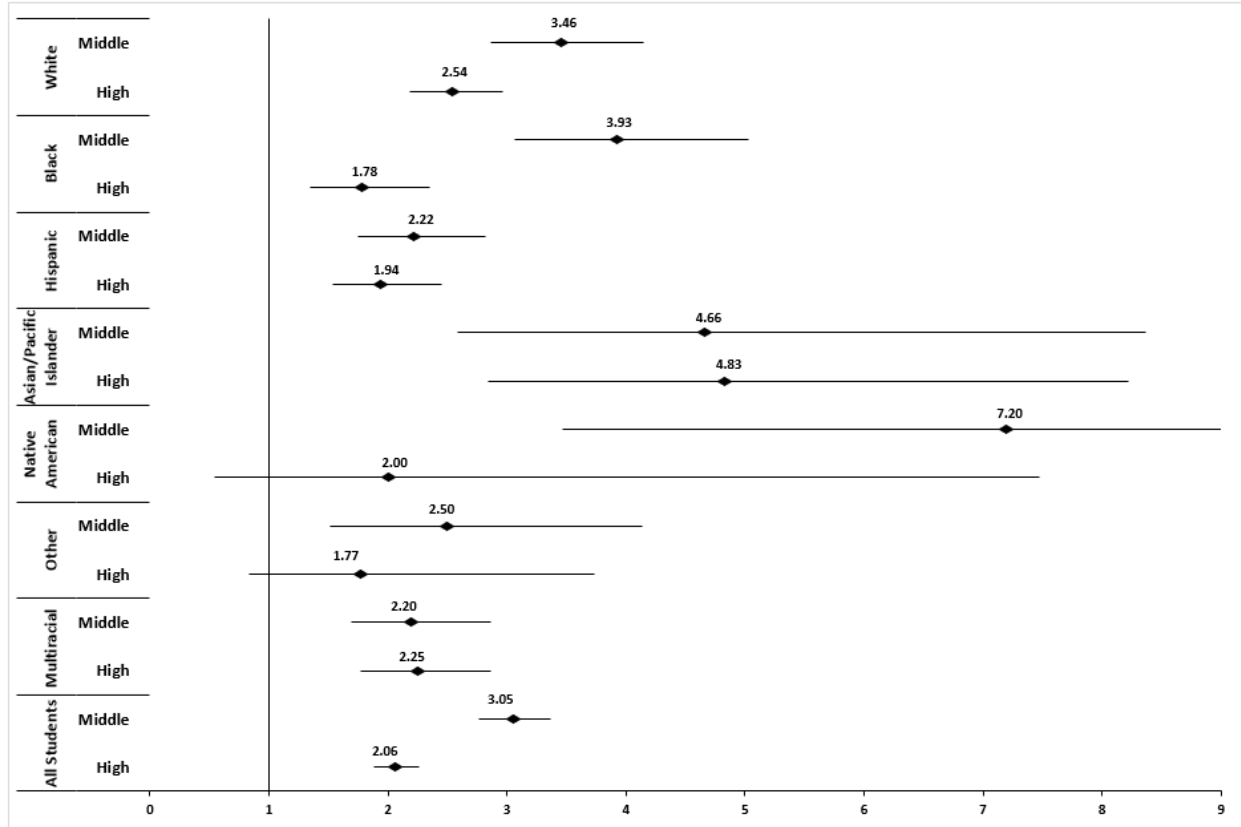


Figure S6. Adjusted odds of suicide attempt among racial and ethnic minorities stratified by school level

