

2016 Martha's Vineyard Youth Risk Behavior Survey (YRBS)

Middle School and High School
Results

Sponsored by the Youth Task Force

Conducted by
Bach Harrison LLC



youth
task
force



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Introduction

The 2016 Martha's Vineyard Youth Risk Behavior Survey (YRBS) was adapted from the national Youth Risk Behavior Survey administered by the Centers for Disease Control (CDC) and was also administered in 2010, 2012, and 2014. Questions in the survey gather student demographic data, substance use, and general health. In order to better assess the misconceptions of student substance use and behavior, social norms questions (adapted from the Most of Us Teen Norms Survey) were included in the survey administered on Martha's Vineyard. For the 2012, 2014, and 2016 surveys, a conscious effort was made to minimize the length of the Martha's Vineyard YRBS and many questions asked in the 2010 administration were removed.

Consent

Parental consent for student participation was collected prior to survey administration. This consent was gathered via a letter sent home to all parents/guardians of Martha's Vineyard High School (HS) and Middle School (MS) students. The letter described the survey and its purpose, informed them of how they might access a copy of the survey should they choose to view the form, and offered parents a chance to opt their child/children out of the survey. Additionally, students were instructed through a script read aloud to them (and through written instructions on the form itself) to skip over any questions that they did not feel comfortable answering, and they were also given several chances to opt out of the survey on their own.

Administering the Survey

Teachers were provided with a set of instructions to guide them through the administration process, and were given a script to read aloud to students at the beginning of a class period. On the day of the survey, each teacher read the script aloud to his/her students, assuring students that the survey was voluntary (a student was free to choose to skip questions or refrain from taking the survey entirely) and that the survey was completely confidential and anonymous (a student could not be identified from his/her answer sheet and there would be no way for a school to trace a form back to the students).

Sample

The survey was given to middle school and high school students during regularly scheduled class. It was administered on March 28, 2016. The final number and demographic profile of students surveyed are discussed in the "Survey Demographics" section of this report.

Scanning and Data Cleaning

Surveys were returned to Bach Harrison LLC utilizing trackable prepaid FedEx shipping labels. Upon arriving to Bach Harrison, surveys were logged and processed using scanners equipped with Optical Mark Recognition software. When a complete dataset was available, the final dataset was cleaned to remove blank surveys, surveys that did not include enough responses to make them valid, and surveys that were deemed to be "dishonest" by meeting one or more of Bach Harrison's validity checks. See "Honesty" section for more information.

Honesty

A total of 857 Martha's Vineyard middle and high school students completed the YRBS survey. Of these, 30 surveys were eliminated due to meeting one or more of the validity checks established by Bach Harrison (designed to match the checks used in the 2010 administration). An additional 4 were eliminated due to students not recording a grade level. A total of 34 surveys were removed from analysis. In looking at each of the validity checks individually:

- 21 students indicated they were not honest in completing the survey.
- 7 students indicated that they had used the "fake drug" of the survey.
- 0 students indicated a 30-day cigarette use rate that was higher than their lifetime cigarette use rate.
- 0 students indicated a 30-day smokeless tobacco use rate that was higher than their lifetime smokeless tobacco use rate.
- 2 students indicated a 30-day alcohol use rate that was higher than their lifetime alcohol use rate.
- 3 students indicated a 30-day marijuana use rate that was higher than their lifetime marijuana use rate.

Table 1: Student Dishonesty

	2012				2014				2016			
	Middle School Youth (7th-8th)		High School Youth (9th-12th)		Middle School Youth (7th-8th)		High School Youth (9th-12th)		Middle School Youth (7th-8th)		High School Youth (9th-12th)	
	#	%	#	%	#	%	#	%	#	%	#	%
Self-Indicated that they were dishonest	1	0.3%	29	5.1%	3	1.2%	13	2.3%	6	2.1%	15	2.9%
Indicated use of the "Fake drug" of the survey	4	1.3%	30	5.3%	3	1.2%	10	1.7%	2	0.7%	5	0.9%
Indicated a 30-day cigarette use rate that was higher than their lifetime use rate (using age of initiation)	1	0.3%	3	0.5%	0	0.0%	4	0.7%	0	0.0%	0	0.0%
Indicated a 30-day smokeless tobacco use rate that was higher than their lifetime use rate	0	0.0%	2	0.4%	1	0.4%	1	0.2%	0	0.0%	0	0.0%
Indicated a 30-day alcohol use rate that was higher than their lifetime alcohol use rate (using age of initiation)	3	1.0%	6	1.0%	0	0.0%	1	0.2%	0	0.0%	2	0.4%
Indicated a 30-day marijuana use rate that was higher than their lifetime marijuana use rate (using age of initiation)	0	0.0%	2	0.3%	0	0.0%	1	0.2%	0	0.0%	3	0.5%
Total students meeting one or more honesty checks	8	2.6%	53	9.2%	7	2.7%	29	5.0%	8	2.7%	22	3.9%

Please note that some surveys were deemed to be dishonest due to meeting more than one of these validity checks. The individual honesty checks above will not total 30 if added together. For more information regarding honesty, please see the Perceived Honesty section in this report.

Data Analysis

Once the dataset was cleaned and dishonest surveys removed, two crosstab reports were run (one by grade and one by middle school and high school groups) to show the number and percent of students responding to each question and response option. Survey data does not account for students who may have skipped a question, and frequencies and percentages only reflect those who answered the question. An attempt was made to survey all of the students in grades 7 through 12 in Martha's Vineyard, with the intent to focus data analysis on middle school (Grades 7 and 8) and high school (Grades 9-12) groups. A majority of students in both groups were surveyed (89.4% of the middle school sample and 76.8% of the high school sample). Enrollment figures provided from the Youth Task Force show the following basic enrollment and participation information:

Enrollment and Participation

Middle School

Number of enrolled students: 322

Number of students absent on day of survey: 29

Number of honest participants: 288

Percent of sampled students surveyed: 89.4%

High School

Number of enrolled students: 697

Number of students absent on day of survey: 130

Number of honest participants: 535

Percent of sampled students surveyed: 76.8%

Survey Respondent Demographics

The tables on page 5 displays demographics data for the survey respondents represented in this report. For the 2016 Martha's Vineyard YRBS Survey, 288 middle school students (of 322 enrolled) completed the survey honestly and 535 high school students (of 697 enrolled) completed the survey honestly. Further, for the YRBS, there was nearly an equal number of males and females who took the survey in both the middle school and high school groups (47.5% male respondents and 52.5% female respondents in the middle school group; 51.9% male respondents and 48.1% female respondents in the high school group). Of all survey respondents, 62.3% were White (Not Hispanic), 10.2% were Brazilian, 6.1% were African American (Not Hispanic), 6.2% were of "Other" descent, 4.9% were Native American, and the remaining 10.2% were of other races/racial groups (See Table 2 for further information about race/ethnicity for the middle school and high school groups). There was a nice spread of participation across the ages, with most respondents falling in the 13-17 age group.

Survey Respondent Perceived Honesty

The YRBS asked students "Do you think students in your grade at school answered questions on this survey honestly?" (response options were "yes" and "no"). Table 4 and Figure 1 on page 6 display perceived peer honesty compared to actual honesty. While only 3.5% of student surveys were deemed to be dishonest through meeting one or more validity checks, it is interesting to note that 33.0% of middle school students and 43.8% of high school students believed their peers were not being honest in taking the survey. Of all of the surveys eliminated due to dishonesty, a majority of them (22 of 30) came from the high school group. However, despite this observation, a mere 3.9% were actually dishonest in taking the survey, while nearly half (44.8%) of students in this group felt their peers were not being honest.

Table 2: Demographics of Survey Participants: Middle School and High School Groupings

		2012		2014		2016	
		#	%	#	%	#	%
Middle School (7 and 8th graders)	Distribution of Middle School Students by Grade						
	7th graders	151	49.8%	120	47.8%	142	49.3%
	8th graders	152	50.2%	131	52.2%	146	50.7%
	TOTAL	303	100%	251	100%	288	100%
	Distribution of Middle School Students by Gender						
	Male	143	47.8%	134	54.0%	134	47.5%
	Female	156	52.2%	114	46.0%	148	52.5%
	Distribution of Middle School Students by Race/Ethnicity*						
	White - Not Hispanic	235	77.6%	194	77.3%	204	70.8%
	Black - Not Hispanic	27	8.9%	9	3.6%	22	7.6%
	American Indian or Alaskan	26	8.6%	17	6.8%	15	5.2%
	Hispanic or Latino	10	3.3%	8	3.2%	14	4.9%
	Asian or Pacific Islander	6	2.0%	5	2.0%	9	3.1%
	Brazilian	33	10.9%	24	9.6%	34	11.8%
	Bi-racial	12	4.0%	14	5.6%	15	5.2%
	Other	31	10.2%	17	6.8%	40	13.9%
High School (9th through 12 graders)	Distribution of High School Students by Grade						
	9th	150	28.6%	177	31.9%	141	26.4%
	10th	129	24.6%	143	25.8%	135	25.2%
	11th	141	26.9%	147	26.5%	152	28.4%
	12th	104	19.8%	87	15.7%	107	20.0%
	TOTAL	524	100%	554	100%	535	100%
	Distribution of High School Students by Gender						
	Male	288	55.3%	281	51.7%	266	51.9%
	Female	233	44.7%	263	48.3%	247	48.1%
	Distribution of High School Students by Race/Ethnicity*						
	White - Not Hispanic	424	80.9%	428	77.3%	395	73.8%
	Black - Not Hispanic	38	7.3%	26	4.7%	37	6.9%
	American Indian or Alaskan	24	4.6%	25	4.5%	32	6.0%
	Hispanic or Latino	11	2.1%	17	3.1%	22	4.1%
	Asian or Pacific Islander	16	3.1%	12	2.2%	11	2.1%
	Brazilian	34	6.5%	43	7.8%	64	12.0%
Bi-racial	29	5.5%	27	4.9%	27	5.0%	
Other	37	7.1%	27	4.9%	20	3.7%	

Table 3: Demographics of All Survey Participants

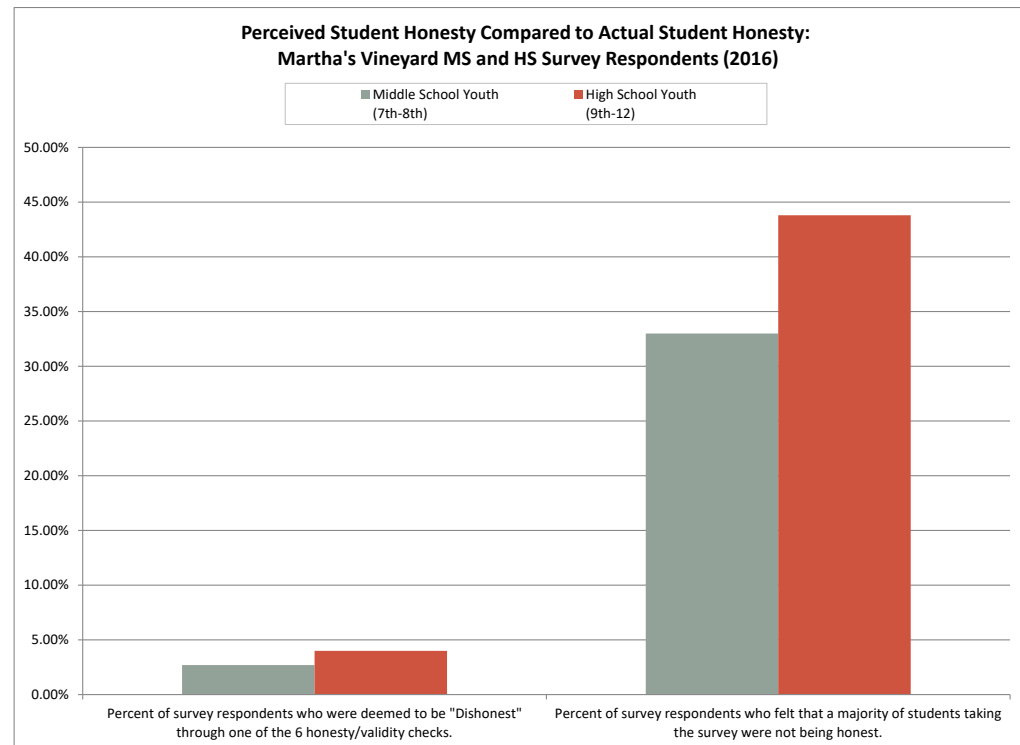
		2012		2014		2016	
		#	%	#	%	#	%
All Participants (7th through 12th grades)	Distribution of All Martha's Vineyard Participants by Age						
	11 years old or younger	2	0.2%	0	0.0%	0	0.0%
	12 years old	81	9.8%	62	7.7%	50	6.1%
	13 years old	146	17.7%	108	13.4%	150	18.2%
	14 years old	151	18.3%	164	20.4%	140	17.0%
	15 years old	147	17.8%	161	20.0%	127	15.4%
	16 years old	122	14.8%	155	19.3%	154	18.7%
	17 years old	124	15.0%	112	13.9%	123	14.9%
	18 years old or older	54	6.5%	42	5.2%	79	9.6%
	Distribution of All Martha's Vineyard Participants by Gender						
	Male	431	52.6%	415	52.4%	400	50.3%
	Female	389	47.4%	377	47.6%	395	49.7%
	Distribution of All Martha's Vineyard Students by Race/Ethnicity*						
	White - Not Hispanic	659	79.7%	622	77.3%	599	62.3%
	Black - Not Hispanic	65	7.9%	35	4.3%	59	6.1%
	American Indian or Alaskan	50	6.0%	42	5.2%	47	4.9%
	Hispanic or Latino	21	2.5%	25	3.1%	36	3.7%
	Asian or Pacific Islander	22	2.7%	17	2.1%	20	2.1%
	Brazilian	67	8.1%	67	8.3%	98	10.2%
	Bi-racial	41	5.0%	41	5.1%	42	4.4%
Other	68	8.2%	44	5.5%	60	6.2%	

*Students were instructed to mark all that apply. Percentages will not total 100%.

Table 4: Student Honesty Compared to Perceptions of Student Honesty

Actual Honest Participation	2012				2014				2016			
	Middle School Youth (7th-8th)		High School Youth (9th-12th)		Middle School Youth (7th-8th)		High School Youth (9th-12th)		Middle School Youth (7th-8th)		High School Youth (9th-12th)	
	#	%	#	%	#	%	#	%	#	%	#	%
Percent of survey respondents who were deemed to be "Honest"	301	97.2%	515	90.8%	251	93.3%	554	95.0%	288	2.7%	535	96.1%
Percent of survey respondents who were deemed to be "Dishonest" through one of the 6 honesty/validity checks.	8	2.6%	53	9.2%	7	2.7%	29	5.0%	8	2.7%	22	3.9%
Perceived Honest Participation: Students responding to the question "Do you think students in your grade at school answered questions on this survey honestly?"	Middle School Youth (7th-8th)		High School Youth (9th-12th)		Middle School Youth (7th-8th)		High School Youth (9th-12th)		Middle School Youth (7th-8th)		High School Youth (9th-12th)	
	#	%	#	%	#	%	#	%	#	%	#	%
Yes	208	71.0%	274	54.2%	160	65.0%	300	57.5%	185	67.0%	277	56.2%
No	85	29.0%	232	45.8%	86	35.0%	222	42.5%	91	33.0%	216	43.8%

Figure 1



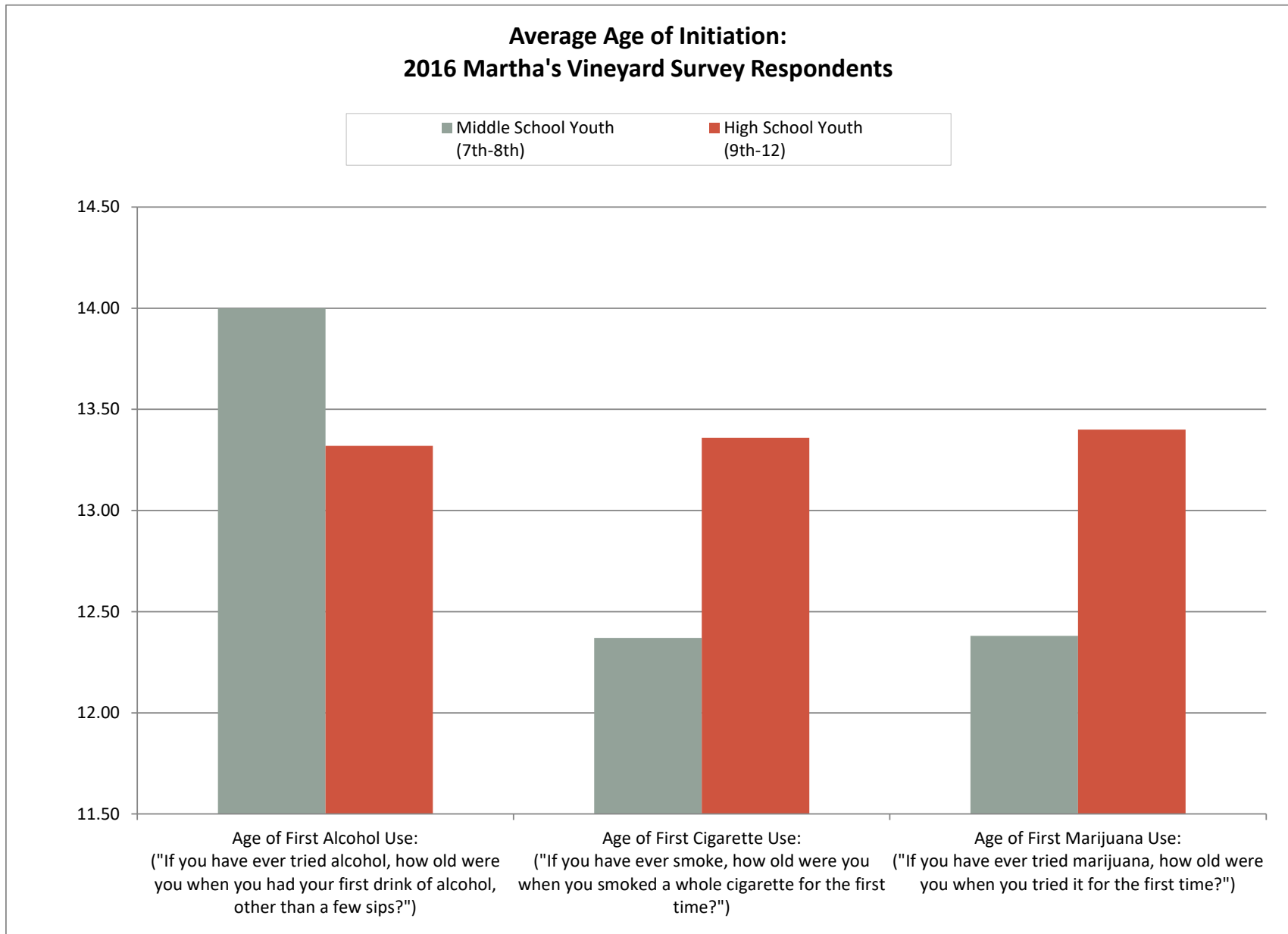
Survey Findings: Age of Initiation

The results (Table 5, Figure 2) show that youth begin using cigarettes before using any other substance. Of the youth who had used cigarettes, the average age of first use for middle schoolers was 12.37 years and for high schoolers was 13.36 years, closely followed by first marijuana use (12.38 years for middle schoolers and 13.4 years for high schoolers), and first alcohol use (14.0 years for middle schoolers and 13.32 years for high schoolers).

Table 5: Age of Initiation

	2012					2014					2016				
	Middle School Youth (7th-8th)	High School Youth (9th-12th)	All Students (7th to 12th)	Male Students (All Grades 7th-12th)	Female Students (All Grades 7th-12th)	Middle School Youth (7th-8th)	High School Youth (9th-12th)	All Students (7th to 12th)	Male Students (All Grades 7th-12th)	Female Students (All Grades 7th-12th)	Middle School Youth (7th-8th)	High School Youth (9th-12th)	All Students (7th to 12th)	Male Students (All Grades 7th-12th)	Female Students (All Grades 7th-12th)
Age of First Alcohol Use: <i>("If you have ever tried alcohol, how old were you when you had your first drink of alcohol, other than a few sips?")</i>	12.1	13.3	13.1	13.2	13.1	12.25	13.36	13.21	13.19	13.27	14.00	13.32	13.33	13.47	13.37
Age of First Cigarette Use: <i>("If you have ever smoke, how old were you when you smoked a whole cigarette for the first time?")</i>	11.9	13.0	12.9	12.8	13.0	11.89	13.28	13.09	13.02	13.16	12.37	13.36	13.28	13.25	13.32
Age of First Marijuana Use: <i>("If you have ever tried marijuana, how old were you when you tried it for the first time?")</i>	12.3	13.2	13.2	13.0	13.4	12.52	13.20	13.14	13.06	13.24	12.38	13.40	13.35	13.31	13.39

Figure 2



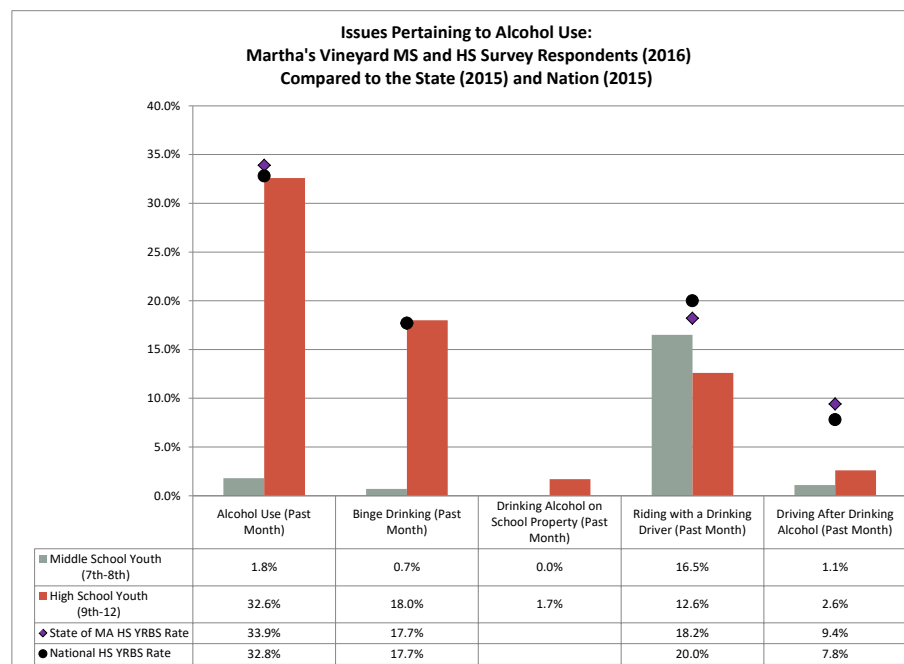
Survey Findings: Alcohol Use Overview

The data (Table 6, Figure 3) show that 1.8% of middle school students (n=5) and 32.6% of high school students (n=174) used alcohol at least one day in the past month. While there was no state-level Massachusetts YRBS or National YRBS data to use as a comparison for middle school youth, comparisons of this data for the high school show that 30-day alcohol use in Martha's Vineyard is 1.3% lower than state use (32.6% in Martha's Vineyard, 33.9% in Massachusetts) and 0.2% lower than national use (32.6% in Martha's Vineyard, 32.8% in the nation).

Table 6: Alcohol Use Rates: Past-Month Use

(Students marking any number of days in response to the question "During the past 30 days, on how many days did you have at least one drink of alcohol?")	2012				2014				2016			
	Middle School Youth (7th-8th)		High School Youth (9th-12th)		Middle School Youth (7th-8th)		High School Youth (9th-12th)		Middle School Youth (7th-8th)		High School Youth (9th-12th)	
	#	%	#	%	#	%	#	%	#	%	#	%
Did not use in the past 30 days	278	92.7%	304	58.1%	230	92.7%	360	65.1%	279	98.2%	359	67.4%
Used one or more days in the past 30 days	22	7.3%	219	41.9%	18	7.3%	193	34.9%	5	1.8%	174	32.6%
<i>State of Massachusetts YRBS Rate for this Survey Item (at least one day):</i>	N/A	N/A	8,823	28.7%	N/A	N/A	2,620	40.1%	N/A	N/A	N/A	33.9%
<i>National YRBS Rate for this Survey Item:</i>	N/A/	N/A	12,943	38.7%	N/A/	N/A	12,943	38.7%	N/A/	N/A	N/A	32.8%

Figure 3



Survey Findings: Alcohol Use at School

Students were asked to report the number of days in the past month they had at least one drink on school property. The data below (Table 9) show that no students in the middle school group reporting using alcohol on school property, but that 1.7% of high school students (n=11) reported drinking at school.

Table 9: Student Reports of Drinking at School in the Past 30 Days

<i>(Students marking any number of days in response to the question "During the past 30 days, on how many days did you have at least one drink of alcohol on school property?")</i>	2012				2014				2016			
	Middle School Youth (7th-8th)		High School Youth (9th-12th)		Middle School Youth (7th-8th)		High School Youth (9th-12th)		Middle School Youth (7th-8th)		High School Youth (9th-12th)	
	#	%	#	%	#	%	#	%	#	%	#	%
Did not use in the past 30 days	301	100%	499	95.2%	247	99.6%	544	98.4%	284	100%	522	97.9%
Used one or more days in the past 30 days	0	0.0%	25	4.8%	1	0.4%	9	1.6%	0	0.0%	11	1.7%
<i>State of Massachusetts YRBS Rate for this Survey Item (at least one day):</i>	N/A	N/A	9,431	3.1%	N/A	N/A	2,696	3.6%	N/A	N/A	N/A	N/A
<i>National YRBS Rate for this Survey Item:</i>	N/A/	N/A	14,956	5.1%	N/A/	N/A	12,943	5.1%	N/A/	N/A	N/A	N/A

Survey Findings: Drinking and Driving

The survey found (see Table 9) that a lower percentage of middle school or high school youth had driven a vehicle after drinking (1.1% of middle schoolers, 2.6% of high schoolers) or ridden with a driver who had been drinking (16.5% of middle schoolers, 12.6% of high schoolers). However, even small percentages given the content are alarming. Martha's Vineyard high school students report a lower incidence of driving after drinking or riding with a driver who had been drinking in comparison to the state and the nation. For example, 12.6% of Martha's Vineyard high schoolers reported riding with a drinking driver, while the state rate was 18.2%, and the national rate was 20.0%; and 2.6% of Martha's Vineyard high schoolers reported driving after drinking, while the state rate was 9.4%, and the national rate was 7.8%.

Table 10: Student Reports of Riding with a Drinking Driver or Driving After Drinking

<i>(Students marking any number of days in response to the question "During the past 30 days, on how many days did you ride in a car or other vehicle driven by someone who had been drinking alcohol?")</i>	2012				2014				2016			
	Middle School Youth (7th-8th)		High School Youth (9th-12th)		Middle School Youth (7th-8th)		High School Youth (9th-12th)		Middle School Youth (7th-8th)		High School Youth (9th-12th)	
	#	%	#	%	#	%	#	%	#	%	#	%
0 times	255	84.4%	432	82.6%	198	79.8%	478	86.6%	237	83.5%	465	87.4%
At least one time	47	15.6%	91	17.4%	50	20.2%	74	13.4%	47	16.5%	67	12.6%
<i>State of Massachusetts YRBS Rate for this Survey Item (at least one time):</i>	N/A	N/A	N/A	N/A	N/A	N/A	2,709	22.9%	N/A	N/A	N/A	18.2%
<i>National YRBS Rate for this Survey Item:</i>	N/A/	N/A	14,908	24.1%	N/A/	N/A	14,908	24.1%	N/A/	N/A	N/A	20.0%
<i>(Students marking any number of days in response to the question "During the past 30 days, on how many days did you drive a car or other vehicle when you had been drinking alcohol?")</i>	Middle School Youth (7th-8th)		High School Youth (9th-12th)		Middle School Youth (7th-8th)		High School Youth (9th-12th)		Middle School Youth (7th-8th)		High School Youth (9th-12th)	
	#	%	#	%	#	%	#	%	#	%	#	%
	#	%	#	%	#	%	#	%	#	%	#	%
0 times	299	99.0%	497	95.0%	245	100%	532	96.4%	281	98.9%	519	97.4%
At least one time	3	1.0%	26	5.0%	0	0.0%	20	3.6%	3	1.1%	14	2.6%
<i>State of Massachusetts YRBS Rate for this Survey Item (at least one time):</i>	N/A	N/A	N/A	N/A	N/A	N/A	2,679	6.5%	N/A	N/A	N/A	9.4%
<i>National YRBS Rate for this Survey Item:</i>	N/A/	N/A	15,090	8.2%	N/A/	N/A	15,090	8.2%	N/A/	N/A	N/A	7.8%

Survey Findings: Tobacco Use Overview

The data (Table 11 and Figure 4) show that 0 middle school students and 9.0% (n=48) of high school students used cigarettes at least one day in the past month. As for smokeless tobacco use, 0.4% of middle school students and 0.8% of high school students have used smokeless tobacco at least one time in the past month; and 0.7% (n=2) of middle schoolers indicated they had used smokeless tobacco at least one time in their lifetime and 4.7% of high schoolers indicated lifetime smokeless tobacco use.

High school past-month cigarette use rates are available for the State and the Nation, while past-month smokeless tobacco use rates are only available for the Nation. Martha's Vineyard high school tobacco use rates in general are lower than both the State and the Nation:

- Past-month smokeless tobacco use: 0.8% for Martha's Vineyard high schoolers, compared to 5.5% for the State and 7.3% National high school use.
- Past-month cigarette use: 9.0% for Martha's Vineyard high schoolers, compared to 7.7% State of Massachusetts high school use and 10.8% National high school use.

More detailed data regarding the frequency of smokeless tobacco and cigarette use can be found in Table 12 on the following page. A majority of smokeless tobacco-using high school students only used smokeless tobacco or cigarettes one or two days in the past month. Table 12 also presents 30-day e-cigarette use. In 2016, 2.1% of middle school students in Martha's Vineyard indicated using electronic cigarettes or other devices in the past month, and 9.0% of high school students indicated past-month use.

Table 11: Tobacco Use Rates: Lifetime and Past-Month Use

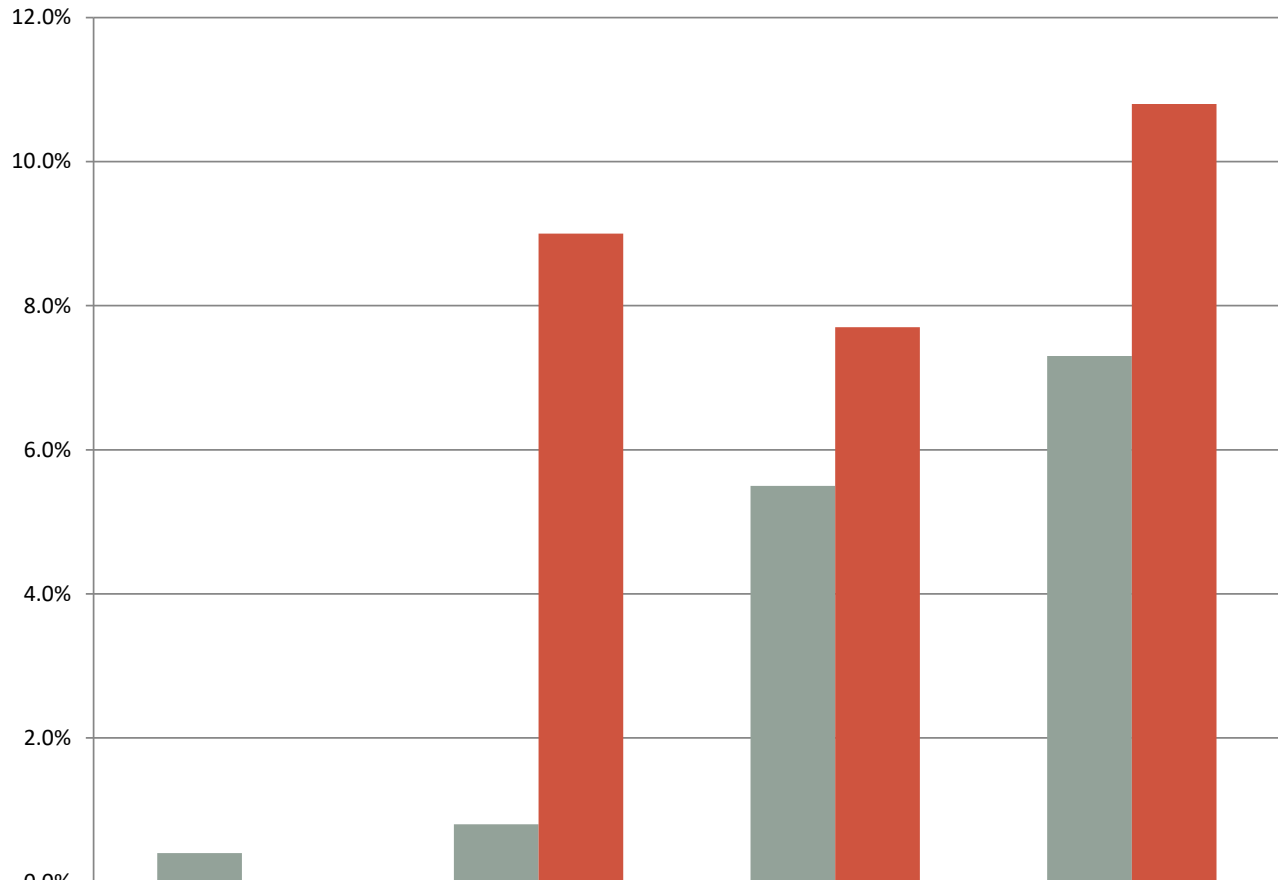
	2012				2014				2016			
	Middle School Youth (7th-8th)		High School Youth (9th-12th)		Middle School Youth (7th-8th)		High School Youth (9th-12th)		Middle School Youth (7th-8th)		High School Youth (9th-12th)	
	#	%	#	%	#	%	#	%	#	%	#	%
LIFETIME SMOKELESS TOBACCO USE												
Students who have used smokeless tobacco at least one time in their lifetime: ("Have you ever used chewing tobacco, or snuff (Beechnut, Redman, Skoal, etc.)?")	5	1.7%	62	11.9%	1	0.4%	39	7.1%	2	0.7%	25	4.7%
PAST-MONTH SMOKELESS TOBACCO USE												
Used smokeless tobacco one or more days in the past 30 days: (Students marking any number of days in response to the question "During the past 30 days, on how many days did you use chewing tobacco or snuff?")	0	0.0%	20	3.8%	0	0.0%	8	1.5%	1	0.4%	4	0.8%
State of Massachusetts YRBS Rate for this Survey Item (at least one day):	N/A	N/A	9,780	7.7%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	5.5%
National YRBS Rate for this Survey Item:	N/A/	N/A	14,967	7.7%	N/A/	N/A	14,967	7.7%	N/A/	N/A	N/A	7.3%
PAST-MONTH CIGARETTE USE												
Used cigarettes one or more days in the past 30 days: (Students marking any number of days in response to the question "During the past 30 days, on how many days did you smoke cigarettes?")	3	1.0%	63	12.1%	5	2.0%	49	8.9%	0	0.0%	48	9.0%
State of Massachusetts YRBS Rate for this Survey Item (at least one day):	N/A	N/A	9,417	15.2%	N/A	N/A	2,628	14.0%	N/A	N/A	N/A	7.7%
National YRBS Rate for this Survey Item:	N/A/	N/A	14,743	18.1%	N/A/	N/A	14,743	18.1%	N/A/	N/A	N/A	10.8%

Table 12: Frequency of Tobacco Use in the Past Month

During the past 30 days, on how many days did you use chewing tobacco or snuff?	2012				2014				2016			
	Middle School Youth (7th-8th)		High School Youth (9th-12th)		Middle School Youth (7th-8th)		High School Youth (9th-12th)		Middle School Youth (7th-8th)		High School Youth (9th-12th)	
	#	%	#	%	#	%	#	%	#	%	#	%
0 days or not at all	296	100%	500	96.2%	249	100%	541	98.5%	282	99.6%	526	99.2%
1 or 2 days	0	0.0%	8	1.5%	0	0.0%	3	0.5%	1	0.4%	2	0.4%
3 to 5 days	0	0.0%	5	1.0%	0	0.0%	3	0.5%	0	0.0%	0	0.0%
6 to 9 days	0	0.0%	4	0.8%	0	0.0%	1	0.2%	0	0.0%	2	0.4%
10 to 19 days	0	0.0%	2	0.4%	0	0.0%	0	0.0%	0	0.0%	0	0.0%
All 30 days	0	0.0%	1	0.2%	0	0.0%	1	0.2%	0	0.0%	0	0.0%
All Respondents	296	100%	520	100%	249	100%	549	100%	283	100%	530	100%
During the past 30 days, on how many days did you smoke cigarettes?	Middle School Youth (7th-8th)		High School Youth (9th-12th)		Middle School Youth (7th-8th)		High School Youth (9th-12th)		Middle School Youth (7th-8th)		High School Youth (9th-12th)	
	#	%	#	%	#	%	#	%	#	%	#	%
0 days or not at all	294	99.0%	459	87.9%	244	98.0%	503	91.1%	283	####	483	91.0%
1 or 2 days	1	0.3%	17	3.3%	4	1.6%	12	2.2%	0	0.0%	16	3.0%
3 to 5 days	1	0.3%	9	1.7%	1	0.4%	6	1.1%	0	0.0%	8	1.5%
6 to 9 days	0	0.0%	5	1.0%	0	0.0%	8	1.4%	0	0.0%	5	0.9%
10 to 19 days	0	0.0%	5	1.0%	0	0.0%	9	1.6%	0	0.0%	10	1.9%
20 to 29 days	1	0.3%	8	1.5%	0	0.0%	7	1.3%	0	0.0%	3	0.6%
All 30 days	0	0.0%	19	3.6%	0	0.0%	7	1.3%	0	0.0%	6	1.1%
All Respondents	297	100%	522	100%	249	100%	552	100%	283	100%	531	100%
During the past 30 days, on how many days did you use electronic cigarettes, e-cigarettes, vape pens, or e-hookahs?	Middle School Youth (7th-8th)		High School Youth (9th-12th)		Middle School Youth (7th-8th)		High School Youth (9th-12th)		Middle School Youth (7th-8th)		High School Youth (9th-12th)	
	#	%	#	%	#	%	#	%	#	%	#	%
0 days or not at all	---	---	---	---	---	---	---	---	278	97.9%	486	91.0%
1 or 2 days	---	---	---	---	---	---	---	---	4	1.4%	27	5.1%
3 to 5 days	---	---	---	---	---	---	---	---	1	0.4%	9	1.7%
6 to 9 days	---	---	---	---	---	---	---	---	0	0.0%	4	0.7%
10 to 19 days	---	---	---	---	---	---	---	---	1	0.4%	3	0.6%
20 to 29 days	---	---	---	---	---	---	---	---	0	0.0%	1	0.2%
All 30 days	---	---	---	---	---	---	---	---	0	0.0%	4	0.7%
All Respondents	---	---	---	---	---	---	---	---	287	100%	534	100%

Figure 4

**Tobacco Use:
Martha's Vineyard MS and HS Survey Respondents (2016)
Compared to the State (2015) and Nation (2015)**



■ Past Month Smokeless Tobacco Use	0.4%	0.8%	5.5%	7.3%
■ Past Month Cigarette Use	0.0%	9.0%	7.7%	10.8%

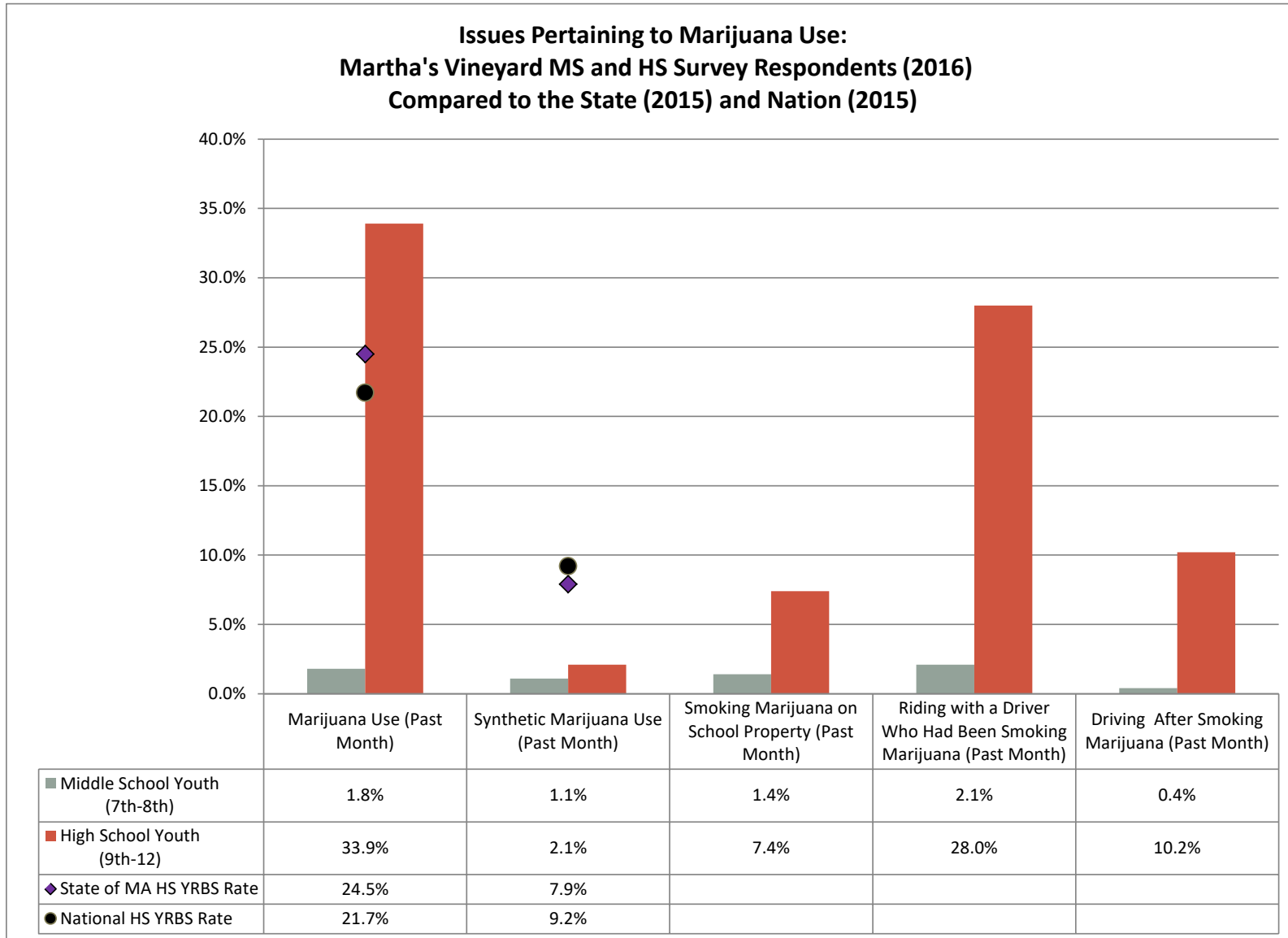
Survey Findings: Marijuana Use Overview

The data show that 1.8% (n=5) of middle school students and 33.9% (n=179) of high school students used marijuana at least one day in the past month. High school past-month marijuana use rates are available for the State of Massachusetts and for the Nation. The Martha's Vineyard high school marijuana use rate (33.9%) is higher than both the State rate (24.5%) and the National rate (21.7%).

Table 13: Marijuana Use Rates: Past-Month Marijuana Use and Perception of Student Marijuana Use

Marijuana 30-day use: (Students marking any number of days in response to the question "During the past 30 days, on how many days have you used marijuana?")	2012				2014				2016			
	Middle School Youth (7th-8th)		High School Youth (9th-12th)		Middle School Youth (7th-8th)		High School Youth (9th-12th)		Middle School Youth (7th-8th)		High School Youth (9th-12th)	
	#	%	#	%	#	%	#	%	#	%	#	%
Non-Users	289	96.0%	321	61.5%	229	93.1%	398	72.2%	279	98.2%	349	66.1%
Users	12	4.0%	201	38.5%	17	6.9%	153	27.8%	5	1.8%	179	33.9%
State of Massachusetts YRBS Rate for this Survey Item (at least one time):	N/A	N/A	9,318	21.2%	N/A	N/A	2,665	27.9%	N/A	N/A	N/A	24.5%
National YRBS Rate for this Survey Item:	N/A/	N/A	14,970	23.1%	N/A/	N/A	14,970	23.1%	N/A/	N/A	N/A	21.7%
Synthetic Marijuana 30-day use: (Students marking any number of days in response to the question "During the past 30 days, on how many days have you used synthetic marijuana?" (Such as K2 or Spice?))	2012				2014				2016			
	Middle School Youth (7th-8th)		High School Youth (9th-12th)		Middle School Youth (7th-8th)		High School Youth (9th-12th)		Middle School Youth (7th-8th)		High School Youth (9th-12th)	
	#	%	#	%	#	%	#	%	#	%	#	%
Non-Users	---	---	---	---	---	---	---	---	280	98.9%	517	97.9%
Users	---	---	---	---	---	---	---	---	3	1.1%	11	2.1%
State of Massachusetts YRBS Rate for this Survey Item (at least one time):	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	7.9%
National YRBS Rate for this Survey Item:	N/A/	N/A	N/A	N/A	N/A/	N/A	N/A	N/A	N/A/	N/A	N/A	9.2%
Peer perceptions of marijuana 30-day use: (Students marking any number of days in response to the question "Now think about all the students in your grade at your school. How many of them do you think used marijuana in the past month?")	2012				2014				2016			
	Middle School Youth (7th-8th)		High School Youth (9th-12th)		Middle School Youth (7th-8th)		High School Youth (9th-12th)		Middle School Youth (7th-8th)		High School Youth (9th-12th)	
	#	%	#	%	#	%	#	%	#	%	#	%
None (0%)	148	49.5%	35	6.8%	123	50.0%	28	5.1%	121	42.6%	22	4.2%
Few to Almost All	151	50.5%	480	93.2%	123	50.0%	520	94.9%	163	57.4%	507	95.8%

Figure 5



Survey Findings: 30-Day Marijuana Use and Perceptions

The data in the table below (Table 14) provide a more in-depth look at 30-day marijuana use frequency in Martha’s Vineyard. A majority of youth in each group have not used marijuana at all in the past 30 days (98.2% in the middle school group, 66.1% in the high school group), and one can see that of the other frequency categories, the one most often reported was smoking marijuana “1 or 2 days” in the past month (1.1% of middle schoolers marked this option, 10.4% of high schoolers marked this option). Data in Table 15 demonstrate youths’ perceptions regarding past-month peer use. In contrast to the previously provided data, only 42.6% of middle schoolers and 4.2% of high schoolers perceived that none of their peers had used marijuana in the past 30 days.

Table 14: Frequency of Marijuana Use in the Past Month

During the past 30 days, how many times have you used marijuana?	2012				2014				2016			
	Middle School Youth (7th-8th)		High School Youth (9th-12th)		Middle School Youth (7th-8th)		High School Youth (9th-12th)		Middle School Youth (7th-8th)		High School Youth (9th-12th)	
	#	%	#	%	#	%	#	%	#	%	#	%
0 times	289	96.0%	321	61.5%	229	93.1%	398	72.2%	279	98.2%	349	66.1%
1 or 2 times	5	1.7%	60	11.5%	10	4.1%	42	7.6%	3	1.1%	55	10.4%
3 to 9 times	4	1.3%	45	8.6%	7	2.8%	41	7.4%	1	0.4%	51	9.7%
10 to 19 Times	2	0.7%	27	5.2%	0	0.0%	20	3.6%	0	0.0%	25	4.7%
20 to 39 Times	1	0.3%	22	4.2%	0	0.0%	20	3.6%	0	0.0%	21	4.0%
40 or more times	0	0.0%	47	9.0%	0	0.0%	30	5.4%	1	0.4%	27	5.1%
All Respondents	301	100%	522	100%	246	100%	551	100%	284	100%	528	100%

Table 15: Student Perceptions of Peer Marijuana Use in the Past Month

In your opinion, during the past 30 days, how many times you think students in your grade at school used marijuana?	2012				2014				2016			
	Middle School Youth (7th-8th)		High School Youth (9th-12th)		Middle School Youth (7th-8th)		High School Youth (9th-12th)		Middle School Youth (7th-8th)		High School Youth (9th-12th)	
	#	%	#	%	#	%	#	%	#	%	#	%
0 times	148	49.5%	35	6.8%	123	50.0%	28	5.1%	146	51.4%	41	7.8%
1 or 2 times	73	24.4%	44	8.5%	66	26.8%	36	6.6%	87	30.6%	34	6.5%
3 to 9 times	49	16.4%	144	28.0%	42	17.1%	144	26.3%	37	13.0%	137	26.0%
10 to 19 Times	19	6.4%	145	28.2%	12	4.9%	182	33.2%	8	2.8%	158	30.0%
20 to 39 Times	6	2.0%	78	15.1%	0	0.0%	91	16.6%	4	1.4%	95	18.1%
40 or more times	4	1.3%	69	13.4%	3	1.2%	67	12.2%	2	0.7%	61	11.6%
All Respondents	299	100%	515	100%	246	100%	548	100%	284	100%	526	100%

Now think about all the students in your grade at your school. How many of them do you think used marijuana in the past month?	Middle School Youth (7th-8th)		High School Youth (9th-12th)		Middle School Youth (7th-8th)		High School Youth (9th-12th)		Middle School Youth (7th-8th)		High School Youth (9th-12th)	
	#	%	#	%	#	%	#	%	#	%	#	%
	None (0%)	113	37.4%	17	3.3%	109	44.5%	19	3.4%	121	42.6%	22
Few (1-10%)	116	38.4%	35	6.7%	83	33.9%	20	3.6%	112	39.4%	23	4.3%
Some (11-30%)	42	13.9%	49	9.4%	35	14.3%	70	12.7%	37	13.0%	42	7.9%
Half or less (31-50%)	22	7.3%	103	19.7%	12	4.9%	113	20.5%	7	2.5%	103	19.5%
Half or more (51-70%)	6	2.0%	158	30.3%	4	1.6%	161	29.2%	6	2.1%	158	29.9%
Most (71-90%)	1	0.3%	106	20.3%	0	0.0%	133	24.1%	0	0.0%	136	25.7%
Almost all (91-100%)	2	0.7%	54	10.3%	2	0.8%	35	6.4%	1	0.4%	45	8.5%

Marijuana Use at School

Students were asked to report the number of days in the past month they smoked marijuana on school property. The data below show that 1.4% students in the middle school group (n=4) reported using marijuana on school property, and 7.4% of high school students (39 students) reported smoking marijuana at school. There was no State or National comparison for this measure.

Marijuana Use and Driving/Riding

The survey found that high school students are significantly more likely to have driven a vehicle after using marijuana (0.4% of middle schoolers, 10.2% of high schoolers) or ridden with a driver who had been smoking marijuana (2.1% of middle schoolers, 28.0% of high schoolers).

Table 16: Additional Marijuana Use Data: Marijuana Consumption on School Property, Riding with a Marijuana-Smoking Driver, and Driving after Smoking Marijuana

Students marking any number of times in response to the question "During the past 30 days, how many times did you use marijuana on school property?"	2012				2014				2016			
	Middle School Youth (7th-8th)		High School Youth (9th-12th)		Middle School Youth (7th-8th)		High School Youth (9th-12th)		Middle School Youth (7th-8th)		High School Youth (9th-12th)	
	#	%	#	%	#	%	#	%	#	%	#	%
0 times	297	98.7%	452	87.3%	248	100%	497	90.5%	280	98.6%	491	92.6%
At least one time	4	1.3%	66	12.7%	0	0.0%	52	9.5%	4	1.4%	39	7.4%
State of Massachusetts YRBS Rate for this Survey Item (at least one time):	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
National YRBS Rate for this Survey Item:	N/A/	N/A	14,638	5.9%	N/A/	N/A	N/A/	N/A	N/A/	N/A	N/A/	N/A
Students marking any number of times in response to the question "During the past 30 days, how many times did you ride in a car or other vehicle driven by someone who had been using marijuana?"	Middle School Youth (7th-8th)		High School Youth (9th-12th)		Middle School Youth (7th-8th)		High School Youth (9th-12th)		Middle School Youth (7th-8th)		High School Youth (9th-12th)	
	#	%	#	%	#	%	#	%	#	%	#	%
	0 times	281	93.4%	343	66.0%	234	95.1%	408	74.2%	275	97.9%	381
At least one time	20	6.6%	177	34.0%	12	4.9%	142	25.8%	6	2.1%	148	28.0%
Students marking any number of times in response to the question "During the past 30 days, how many times did you drive a car or other vehicle when you had been using marijuana?"	Middle School Youth (7th-8th)		High School Youth (9th-12th)		Middle School Youth (7th-8th)		High School Youth (9th-12th)		Middle School Youth (7th-8th)		High School Youth (9th-12th)	
	#	%	#	%	#	%	#	%	#	%	#	%
	0 times	298	99.0%	452	86.6%	248	100%	496	90.5%	281	99.6%	476
At least one time	3	1.0%	70	13.4%	0	0.0%	52	9.5%	1	0.4%	54	10.2%

Survey Findings: Prescription and Over-the-Counter Drug Misuse

The tables below display past-month prescription drug use and over-the-counter drug use (for unintended purposes). Table 16 shows that 2.1% of middle school students (n=3) and 4.4% of high school students (n=33) have used prescription drugs for unintended purposes at least one time in the past month. Table 17 shows that most prescription drug use is fairly infrequent – 1.1% of middle schoolers and 2.1% of high schoolers have used prescription drugs 1 or 2 days in the past month. Finally, Table 18 shows that a small percentage of students have used over-the-counter drugs for unintended purposes (4.9% of middle school students and 8.1% of high school students). See the chart on following page for a graphic representation of this data.

Table 16: Prescription Drug Use Rates: Past-Month Use

<i>(Students marking any number of days in response to the question "During the past 30 days, on how many days did you use prescription medications without a doctor's orders?")</i>	2012				2014				2016			
	Middle School Youth (7th-8th)		High School Youth (9th-12th)		Middle School Youth (7th-8th)		High School Youth (9th-12th)		Middle School Youth (7th-8th)		High School Youth (9th-12th)	
	#	%	#	%	#	%	#	%	#	%	#	%
Did not use in the past 30 days	292	97.3%	476	91.4%	238	96.7%	508	92.4%	276	97.9%	505	95.6%
Used one or more days in the past 30 days	8	2.7%	45	8.6%	8	3.3%	42	7.6%	3	2.1%	33	4.4%

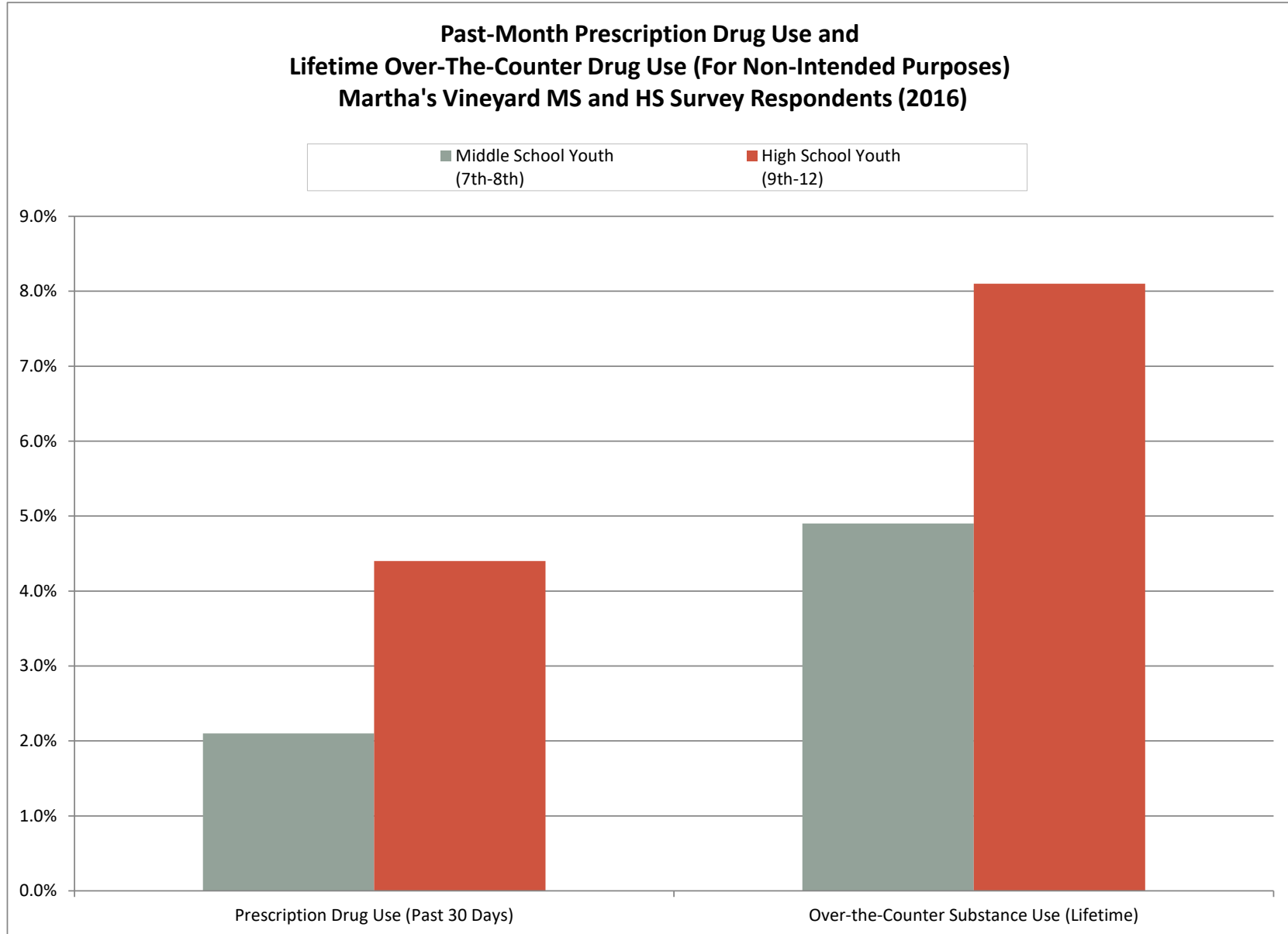
Table 17: Frequency of Prescription Drug Use in the Past Month

<i>During the past 30 days, on how many days did you use prescription medications without a doctor's orders</i>	2012				2014				2016			
	Middle School Youth (7th-8th)		High School Youth (9th-12th)		Middle School Youth (7th-8th)		High School Youth (9th-12th)		Middle School Youth (7th-8th)		High School Youth (9th-12th)	
	#	%	#	%	#	%	#	%	#	%	#	%
0 days or not at all	292	97.3%	476	91.4%	238	96.7%	508	92.4%	276	97.9%	505	95.6%
1 or 2 days	4	1.3%	24	4.6%	5	2.0%	23	4.2%	3	1.1%	11	2.1%
3 to 5 days	1	0.3%	8	1.5%	1	0.4%	11	2.0%	1	0.4%	6	1.1%
6 to 9 days	1	0.3%	6	1.2%	1	0.4%	3	0.5%	1	0.4%	6	1.1%
10 to 19 days	2	0.7%	4	0.8%	0	0.0%	4	0.7%	1	0.0%	0	0.0%
20 to 29 days	0	0.0%	0	0.0%	0	0.0%	1	0.2%	0	0.0%	0	0.0%
All 30 days	0	0.0%	3	0.6%	1	0.4%	0	0.0%	0	0.0%	0	0.0%
All Respondents	300	100%	521	100%	246	100%	550	100%	282	100%	528	100%

Table 18: Over-the-Counter Substance Use (For non-intended purposes)

<i>Have you ever tried using non-prescription medications (such as cough syrup, cold medication, or pain killers) for something other than their intended purpose?</i>	2012				2014				2016			
	Middle School Youth (7th-8th)		High School Youth (9th-12th)		Middle School Youth (7th-8th)		High School Youth (9th-12th)		Middle School Youth (7th-8th)		High School Youth (9th-12th)	
	#	%	#	%	#	%	#	%	#	%	#	%
Yes	21	7.0%	74	14.4%	15	6.1%	56	10.4%	14	4.9%	41	8.1%
No	280	93.0%	441	85.6%	232	93.9%	483	89.6%	270	95.1%	468	91.9%

Figure 6



Survey Findings: Other Drug Misuse

The Martha's Vineyard YRBS gathered data regarding lifetime drug use (use of a substance at least one time in a student's lifetime) for the following substances (see next page for continued data table and graphic representation):

- Cocaine (0.3% Martha's Vineyard Middle School (MV MS), 4.4% Martha's Vineyard High School (MV HS), 4.5% State YRBS HS, 5.2% National YRBS HS)
- Heroin (0.4% MV MS, 0.4% MV HS, 1.7% State YRBS HS, 2.1% National YRBS HS)
- Inhalants (5.3% MV MS, 5.8% MV HS, 7.0% National YRBS HS)
- LSD/Hallucinogens (0.4% MV MS, 6.4% MV HS)
- MDMA/Ecstasy (0.4% MV MS, 2.7% MV HS, 4.3% State YRBS HS, 5.0% National YRBS HS)
- Prescription stimulants (2.1% MV MS, 9.7% MV HS)
- Prescription sedatives (4.2% MV MS, 4.5% MV HS)
- Prescription tranquilizers (0.7% MV MS, 6.2% MV HS)
- Narcotic prescription drugs (taken for unintended purposes) (2.1% MV MS, 4.5% MV HS)

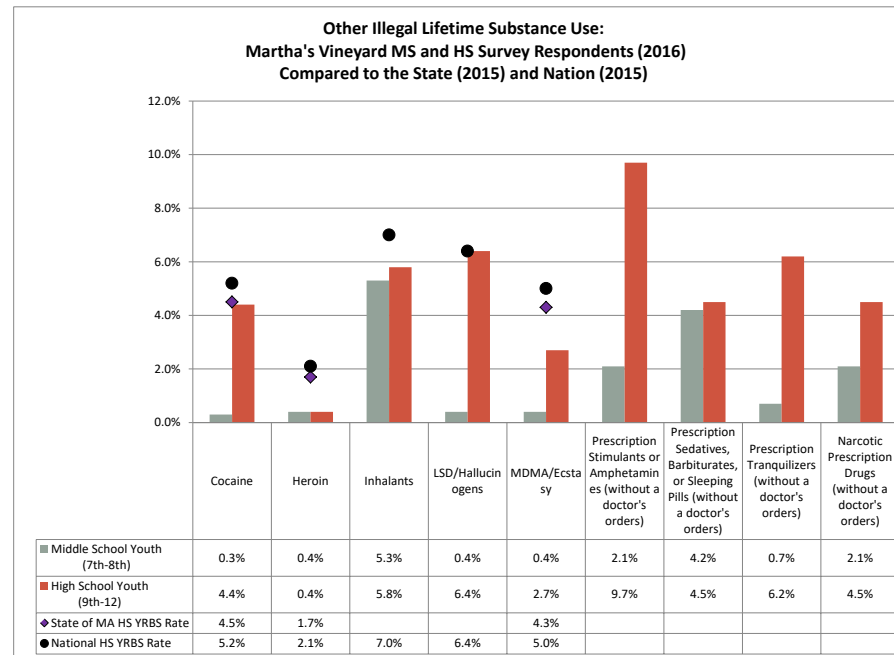
Table 19: Other Drug Use Rates: Lifetime Use (Continued on following page)

Percent of students indicating at least one use in their lifetime of:	2012				2014				2016			
	Middle School Youth (7th-8th)		High School Youth (9th-12th)		Middle School Youth (7th-8th)		High School Youth (9th-12th)		Middle School Youth (7th-8th)		High School Youth (9th-12th)	
	#	%	#	%	#	%	#	%	#	%	#	%
Cocaine	3	1.0%	19	3.6%	2	0.8%	21	3.9%	1	0.3%	23	4.4%
State of Massachusetts YRBS Rate for this Survey Item (at least one time):	N/A	N/A	N/A	N/A	N/A	N/A	2,715	5.0%	N/A	N/A	N/A	4.5%
National YRBS Rate for this Survey Item:	N/A/	N/A	15,138	6.8%	N/A/	N/A	14,069	6.8%	N/A/	N/A	N/A	5.2%
Heroin	1	0.3%	7	1.3%	0	0.0%	2	0.4%	1	0.4%	2	0.4%
State of Massachusetts YRBS Rate for this Survey Item (at least one time):	N/A	N/A	N/A	N/A	N/A	N/A	2,658	2.1%	N/A	N/A	N/A	1.7%
National YRBS Rate for this Survey Item:	N/A/	N/A	14,069	2.9%	N/A/	N/A	14,069	2.9%	N/A/	N/A	N/A	2.1%
Inhalants	28	9.3%	56	10.8%	22	8.9%	43	7.9%	15	5.3%	30	5.8%
State of Massachusetts YRBS Rate for this Survey Item (at least one time):	N/A	N/A	9,527	11.0%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
National YRBS Rate for this Survey Item:	N/A/	N/A	14,556	11.4%	N/A/	N/A	14,556	11.4%	N/A/	N/A	N/A	7.0%
LSD/Hallucinogens	3	1.0%	47	9.0%	1	0.4%	32	5.9%	1	0.4%	33	6.4%
State of Massachusetts YRBS Rate for this Survey Item (at least one time):	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
National YRBS Rate for this Survey Item:	N/A/	N/A	N/A	N/A	N/A/	N/A	N/A	N/A	N/A/	N/A	N/A	6.4%

Table 19: Other Drug Use Rates: Lifetime Use (Continued)

Percent of students indicating at least one use in their lifetime of:	2012				2014				2016			
	Middle School Youth (7th-8th)		High School Youth (9th-12th)		Middle School Youth (7th-8th)		High School Youth (9th-12th)		Middle School Youth (7th-8th)		High School Youth (9th-12th)	
	#	%	#	%	#	%	#	%	#	%	#	%
MDMA/Ecstasy	2	0.7%	32	6.1%	0	0.0%	41	7.6%	1	0.4%	14	2.7%
State of Massachusetts YRBS Rate for this Survey Item (at least one time):	N/A	N/A	N/A	N/A	N/A	N/A	2,710	5.8%	N/A	N/A	N/A	4.3%
National YRBS Rate for this Survey Item:	N/A	N/A	14,270	8.2%	N/A	N/A	14,270	8.2%	N/A	N/A	N/A	5.0%
Prescription Stimulants or Amphetamines (without a doctor's orders)	4	1.3%	50	9.6%	6	2.4%	83	15.4%	6	2.1%	45	9.7%
Prescription Sedatives, Barbiturates, or Sleeping Pills (without a doctor's orders)	10	3.4%	36	6.9%	13	5.3%	38	7.0%	12	4.2%	23	4.5%
Prescription Tranquilizers (without a doctor's orders)	3	1.0%	29	5.6%	2	0.8%	31	5.7%	2	0.7%	32	6.2%
Narcotic Prescription Drugs (without a doctor's orders)	3	1.0%	50	9.6%	6	2.5%	35	6.5%	6	2.1%	28	4.5%

Figure 7



Consequences of Alcohol Use

The Martha's Vineyard YRBS survey asked students a number of questions related to personal consequences of using alcohol or other drugs (see Table 20 below and graphic representation on next page).

- 2.8% of middle school students and 13.9% of high school students indicated that they had gotten in trouble with their parents because of using alcohol or other drugs at least one time in the past year.
- 0.7% of middle school students and 0.4% of high school students indicated that they had an emergency room visit as a result of alcohol or drug use in the past year.

The Martha's Vineyard YRBS survey also asked students a number of questions related to perceived legal consequences of using alcohol or other drugs.

- 60.5% of middle school students and 86.7% of high school students felt that a kid on the island would NOT be caught by the police if they used alcohol.
- 55.4% of middle school students and 88.1% of high school students felt that a kid on the island would NOT be caught by the police if they used marijuana.

Table 20: Substance Use Consequences

In you have used alcohol or other drugs in the past 12 months, have you gotten into trouble with your parents because of your using alcohol or other drugs?	2012				2014				2016			
	Middle School Youth (7th-8th)		High School Youth (9th-12th)		Middle School Youth (7th-8th)		High School Youth (9th-12th)		Middle School Youth (7th-8th)		High School Youth (9th-12th)	
	#	%	#	%	#	%	#	%	#	%	#	%
I did not use	256	85.3%	206	39.8%	200	82.3%	245	45.5%	252	88.1%	202	39.7%
Yes	5	1.7%	88	17.0%	7	2.9%	78	14.5%	8	2.8%	71	13.9%
No	39	13.0%	223	43.1%	36	14.8%	215	40.0%	26	9.1%	236	46.4%
If you have used alcohol or other drugs in the past 12 months, did you have an emergency room visit as a result?	Middle School Youth (7th-8th)		High School Youth (9th-12th)		Middle School Youth (7th-8th)		High School Youth (9th-12th)		Middle School Youth (7th-8th)		High School Youth (9th-12th)	
	#	%	#	%	#	%	#	%	#	%	#	%
	I did not use	256	85.3%	210	40.5%	201	82.7%	246	45.9%	252	88.4%	203
Yes	1	0.3%	4	0.8%	1	0.4%	13	2.4%	2	0.7%	2	0.4%
No	43	14.3%	305	58.8%	41	16.9%	277	51.7%	31	10.9%	304	59.7%
If a kid drank some beer, wine, or hard liquor (for example vodka, whisky, or gin) on the island, would he or she be caught by the police?	Middle School Youth (7th-8th)		High School Youth (9th-12th)		Middle School Youth (7th-8th)		High School Youth (9th-12th)		Middle School Youth (7th-8th)		High School Youth (9th-12th)	
	#	%	#	%	#	%	#	%	#	%	#	%
	Yes	96	33.6%	69	13.9%	92	38.2%	70	13.8%	107	39.5%	65
No	190	66.4%	428	86.1%	149	61.8%	438	86.2%	164	60.5%	423	86.7%
If a kid smoked marijuana on the island, would he or she be caught by the police?	Middle School Youth (7th-8th)		High School Youth (9th-12th)		Middle School Youth (7th-8th)		High School Youth (9th-12th)		Middle School Youth (7th-8th)		High School Youth (9th-12th)	
	#	%	#	%	#	%	#	%	#	%	#	%
	Yes	125	43.1%	67	13.4%	99	41.3%	68	13.3%	120	44.6%	59
No	165	56.9%	434	86.6%	141	58.8%	443	86.7%	149	55.4%	438	88.1%

Figure 8

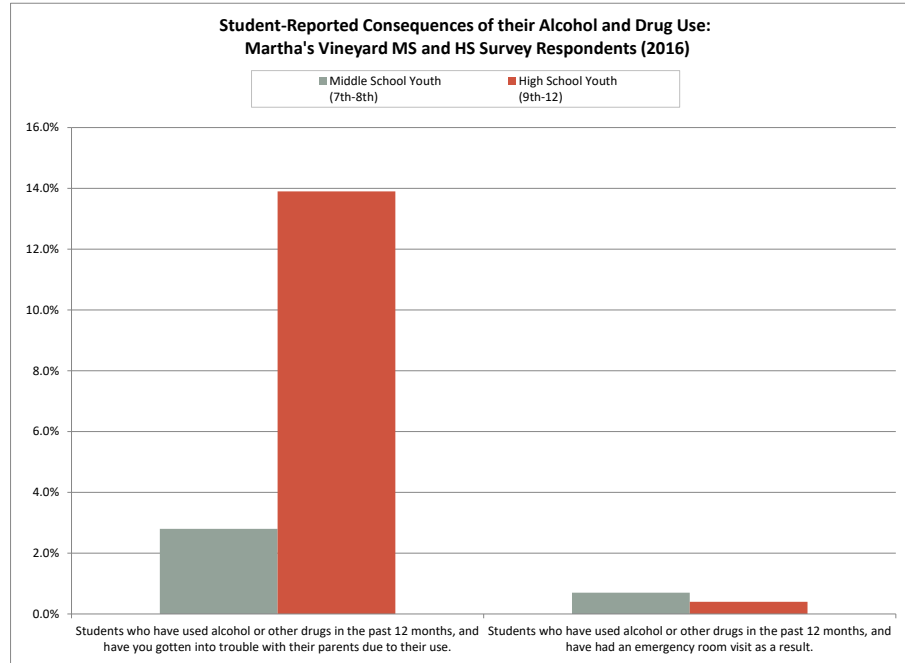
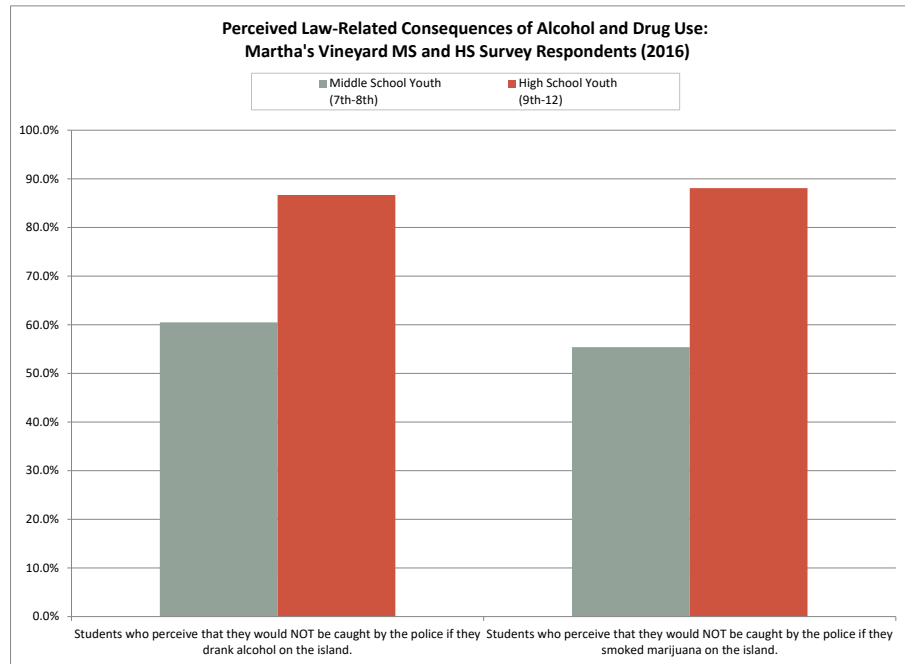


Figure 9



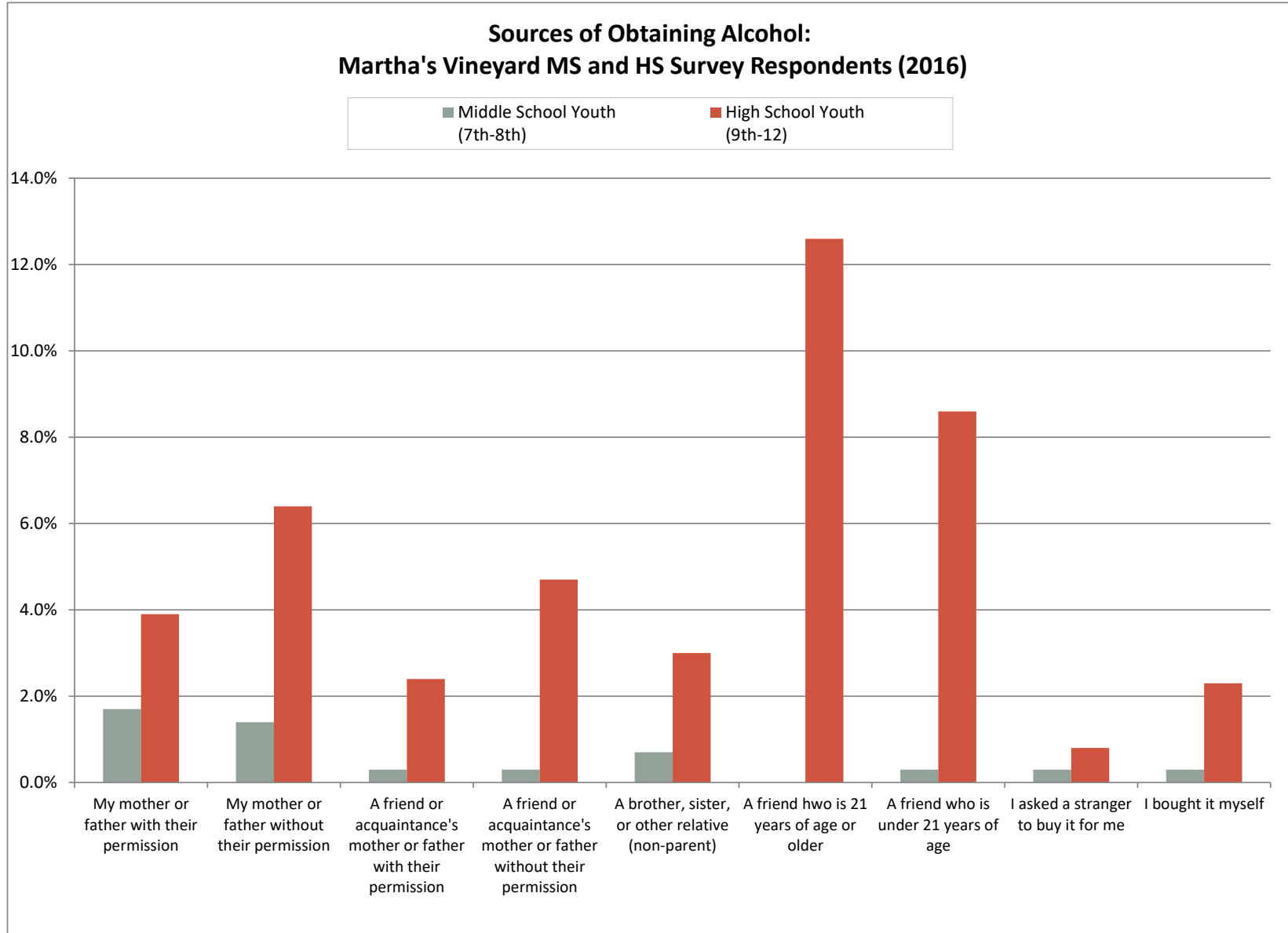
Access to Substances: Alcohol Sources

Students were asked “During the past 30 days, how did you usually get the alcohol you drank?”; for the question, students were allowed to mark as many options as applied. A majority of students in both groups marked the “Not applicable/I didn’t drink alcohol in the past 30 days” option (94.1% of middle school students and 64.4% of high school students). For Martha’s Vineyard middle school students, the top sources for obtaining alcohol are getting it from their mother or father with their permission (1.7%, n=5) or from their mother or father without their permission (1.4%, n=4). For Martha’s Vineyard high school students, the top three sources for obtaining alcohol are getting it from a friend who is 21 years of age or older (12.6%, n=67), from a friend who is under 21 years of age (8.6%, n=46), or from their mother or father without their permission (6.4%, n=34).

Table 21: Student Reports of Where They Obtained Their Alcohol

During the past 30 days, how did you usually get the alcohol you drank? (Select all that apply)	2012				2014				2016			
	Middle School Youth (7th-8th)		High School Youth (9th-12th)		Middle School Youth (7th-8th)		High School Youth (9th-12th)		Middle School Youth (7th-8th)		High School Youth (9th-12th)	
	#	%	#	%	#	%	#	%	#	%	#	%
Not applicable/I didn't drink alcohol in the past 30 days	275	90.8%	308	58.8%	224	89.6%	347	62.6%	270	94.1%	343	64.4%
My mother or father with their permission	9	3.0%	12	2.3%	10	4.0%	19	3.4%	5	1.7%	21	3.9%
My mother or father without their permission	4	1.3%	42	8.0%	4	1.6%	29	5.2%	4	1.4%	34	6.4%
A friend or acquaintance's mother or father with their permission	0	0.0%	6	1.1%	1	0.4%	13	2.3%	1	0.3%	13	2.4%
A friend or acquaintance's mother or father without their permission	5	1.7%	14	2.7%	4	1.6%	30	5.4%	1	0.3%	25	4.7%
A brother, sister, or other relative (non-parent)	4	1.3%	24	4.6%	3	1.2%	21	3.8%	2	0.7%	16	3.0%
A friend who is 21 years of age or older	5	1.7%	100	19.1%	4	1.6%	99	17.9%	0	0.0%	67	12.6%
A friend who is under 21 years of age	4	1.3%	64	12.2%	5	2.0%	53	9.6%	1	0.3%	46	8.6%
I asked a stranger to buy it for me	0	0.0%	15	2.9%	0	0.0%	6	1.1%	1	0.3%	4	0.8%
I bought it myself	1	0.3%	15	2.9%	0	0.0%	6	1.1%	1	0.3%	12	2.3%

Figure 10



Access to Substances: Perceived Availability

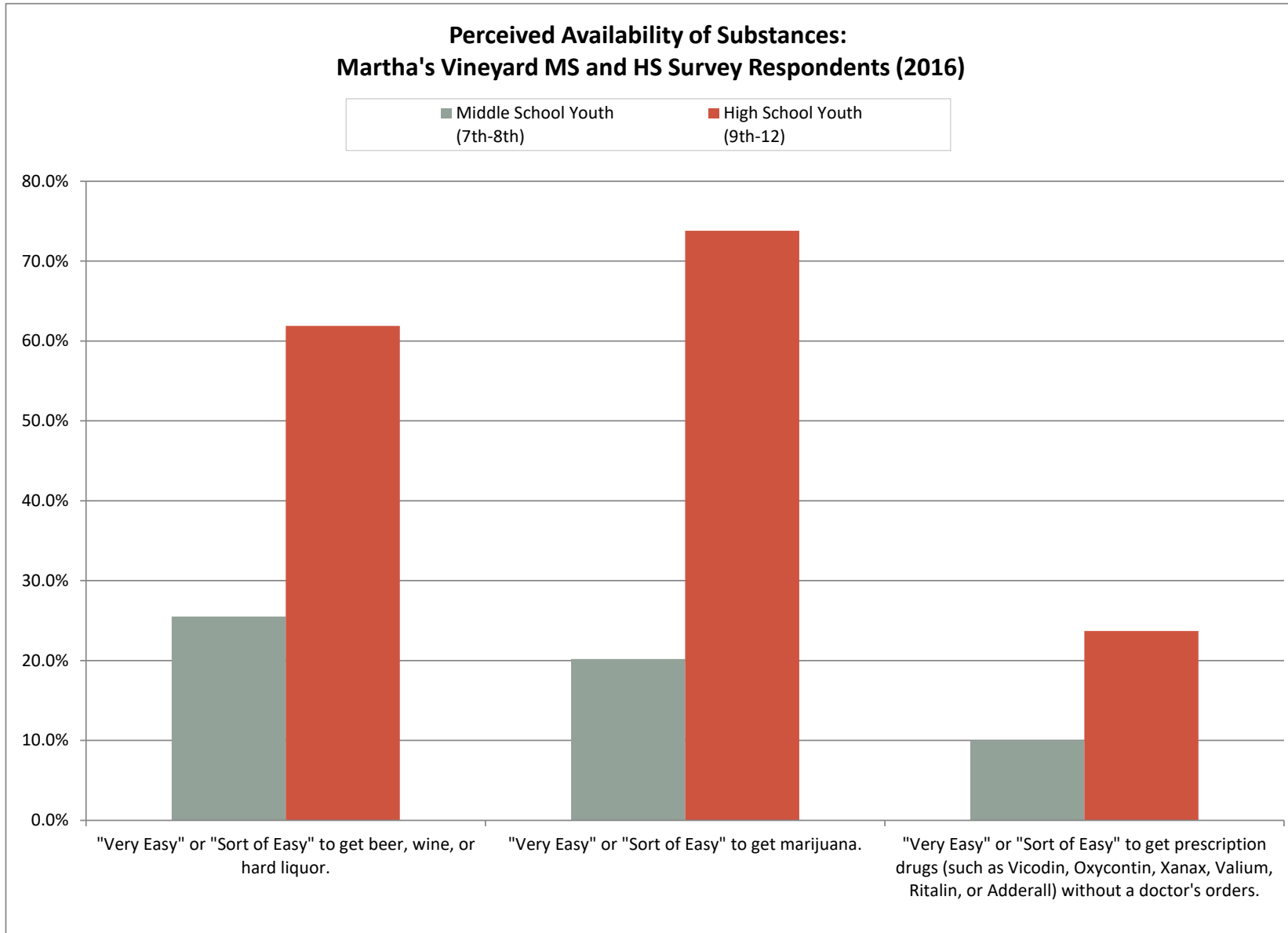
Students were asked to report how easy they felt it was to get alcohol or other drugs if they wanted to get them. This section will focus on students who felt it was “Very easy” or “Sort of easy” to obtain the substance mentioned in the question.

- Roughly 1 in 4 middle school students felt it would be “Very easy” or “Sort of easy” to get alcohol (25.5%, n=72), and 1 in 5 middle school students felt it would be easy to get marijuana (20.2%, n=57).
- A majority of high school students felt it would be “Very easy” or “Sort of easy” to get alcohol (61.9%, n=319) or marijuana (73.8%, n=380).
- Of the three substance use categories, students in both groups perceived that it would be more difficult to get prescription drugs. Only 10.0% of middle school students and 23.7% of high school students felt it would be easy to get prescription drugs.

Table 22: Perceived Availability of Substances

Percent of students who believe it is:	2012				2014				2016			
	Middle School Youth (7th-8th)		High School Youth (9th-12th)		Middle School Youth (7th-8th)		High School Youth (9th-12th)		Middle School Youth (7th-8th)		High School Youth (9th-12th)	
	#	%	#	%	#	%	#	%	#	%	#	%
"Very Easy" or "Sort of Easy" to get beer, wine, or hard liquor.	109	36.9%	345	67.3%	83	34.2%	329	60.8%	72	25.5%	319	61.9%
"Very Easy" or "Sort of Easy" to get marijuana.	92	31.2%	370	72.3%	61	25.1%	383	70.7%	57	20.2%	380	73.8%
"Very Easy" or "Sort of Easy" to get prescription drugs (such as Vicodin, Oxycontin, Xanax, Valium, Ritalin, or Adderall) without a doctor's orders.	35	11.9%	126	24.7%	43	17.7%	142	26.4%	28	10.0%	121	23.7%

Figure 11



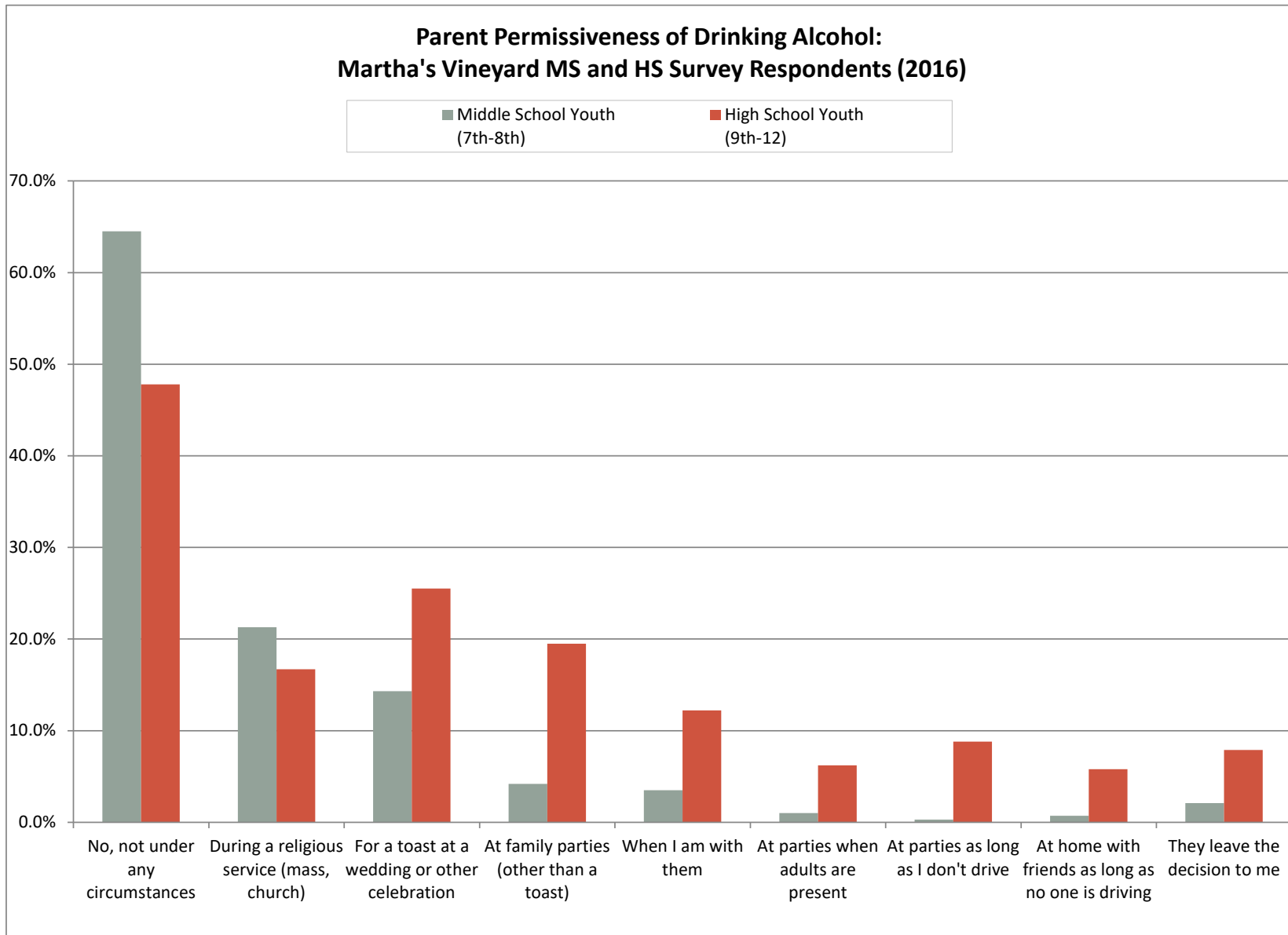
Access to Substances: Parent Permissiveness

Students were asked “Are there any times when your parents permit you to drink alcohol?” For the question, students were allowed to mark any option that applied. A significant number of students in both groups marked the “No, not under any circumstances” option (64.5% of middle school students and 47.8% of high school students). For Martha’s Vineyard middle school students, the top three instances for parental permissiveness of drinking were for drinking alcohol during a religious service (21.3%, n=61), for a toast at a wedding or other celebration (14.3%, n=41), or for family parties (4.2%, n=21). For Martha’s Vineyard high school students, the top three instances for parental permissiveness of drinking were for a toast at a wedding or other celebration (25.5%, n=136), for drinking alcohol during a religious service (16.7%, n=89), or for family parties (19.5%, n=105).

Table 23: Student Reports Regarding Parental Permissions to Drink Alcohol

Are there any times when your parents permit you to drink alcohol? (Select all that apply)	2012				2014				2016			
	Middle School Youth (7th-8th)		High School Youth (9th-12th)		Middle School Youth (7th-8th)		High School Youth (9th-12th)		Middle School Youth (7th-8th)		High School Youth (9th-12th)	
	#	%	#	%	#	%	#	%	#	%	#	%
No, not under any circumstances	198	65.3%	213	40.6%	162	64.8%	254	45.8%	185	64.5%	255	47.8%
During a religious service (mass, church)	67	22.1%	112	21.4%	47	18.8%	129	23.3%	61	21.3%	89	16.7%
For a toast at a wedding or other celebration	50	16.5%	158	30.2%	42	16.8%	144	26.0%	41	14.3%	136	25.5%
At family parties (other than a toast)	21	6.9%	103	19.7%	15	6.0%	94	17.0%	12	4.2%	105	19.5%
When I am with them	12	4.0%	60	11.5%	15	6.0%	54	9.7%	10	3.5%	65	12.2%
At parties when adults are present	5	1.7%	20	3.8%	6	2.4%	15	2.7%	3	1.0%	33	6.2%
At parties as long as I don't drive	0	0.0%	49	9.4%	0	0.0%	43	7.8%	1	0.3%	47	8.8%
At home with friends as long as no one is driving	1	0.3%	27	5.2%	2	0.8%	26	4.7%	2	0.7%	31	5.8%
They leave the decision to me	7	2.3%	47	9.0%	6	2.4%	56	10.1%	6	2.1%	42	7.9%

Figure 12



Protective Factors: Perceived Parental Disapproval

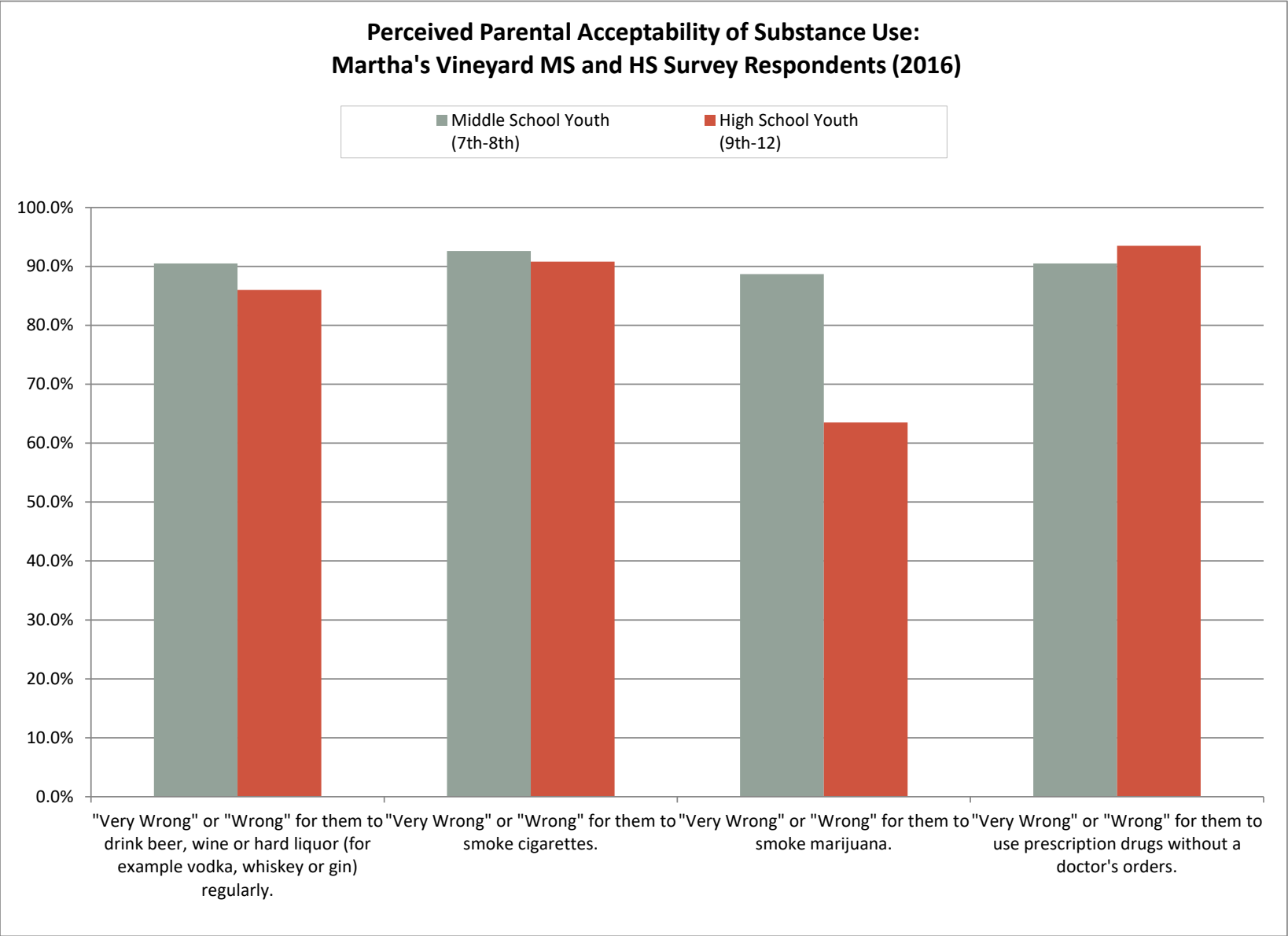
Students were asked to report their perceptions of how wrong their parents felt it was for them to use alcohol and drugs; this section will focus on students who felt their parents felt it was “Very wrong” or “Wrong” to use the substance mentioned in the question. For this measure, a higher percentage is desirable.

- When comparing middle school and high school results for this question, Table 24 shows that middle school students perceived higher parental disapproval than their high school peers for alcohol use (4.5% higher for MS), higher disapproval for smoking cigarettes (1.8% higher for MS), and higher disapproval of smoking marijuana (25.2% higher for MS). The only substance where high schoolers perceived greater parental disapproval was for prescription drug use, where 93.5% of high school students and 90.5% of middle school students felt their parents would think it was wrong for them to use.
- 90.5% of middle school students and 86.0% of high school students perceive parental disapproval of alcohol use.
- 92.6% of middle school students and 90.8% of high school students perceive parental disapproval of cigarette use.
- 88.7% of middle school students and 63.5% of high school students perceive parental disapproval of smoking marijuana.
- 90.5% of middle school students and 93.5% of high school students perceive parental disapproval of using prescription drugs.

Table 24: Perceived Parental Acceptability of Substance Use

Percent of students who believe their parents feel it is:	2012				2014				2016			
	Middle School Youth (7th-8th)		High School Youth (9th-12th)		Middle School Youth (7th-8th)		High School Youth (9th-12th)		Middle School Youth (7th-8th)		High School Youth (9th-12th)	
	#	%	#	%	#	%	#	%	#	%	#	%
"Very Wrong" or "Wrong" for them to drink beer, wine or hard liquor (for example vodka, whiskey or gin) regularly.	274	91.3%	421	81.6%	235	94.8%	482	88.0%	258	90.5%	451	86.0%
"Very Wrong" or "Wrong" for them to smoke cigarettes.	272	91.0%	449	87.0%	239	96.4%	507	92.5%	263	92.6%	473	90.8%
"Very Wrong" or "Wrong" for them to smoke marijuana.	269	89.7%	349	67.6%	229	92.3%	391	71.6%	253	88.7%	330	63.5%
"Very Wrong" or "Wrong" for them to use prescription drugs without a doctor's orders.	268	89.6%	473	91.7%	235	95.1%	512	93.8%	257	90.5%	486	93.5%

Figure 13



Protective Factors: Family Rules and Expectations Regarding Substance Use

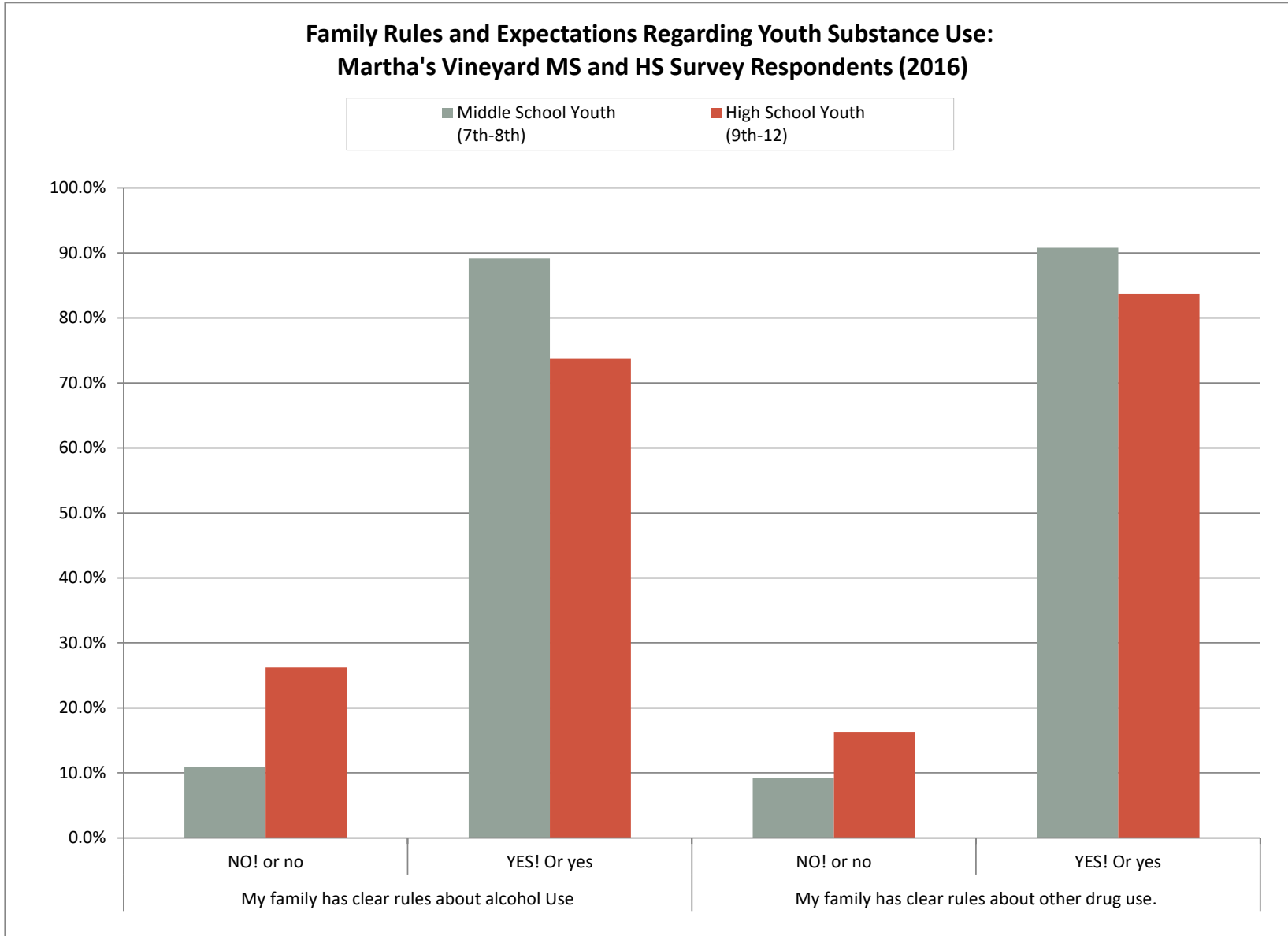
Students were asked to respond to two statements about family rules and expectations regarding substance use, by indicating how strongly (response options were NO!, no, yes, and YES!) they agreed or disagreed with the statements.

- In response to the statement “My family has clear rules about alcohol use,” 89.1% of middle school students and 73.7% of high school students marked “YES!” or “yes,” while 10.9% of middle school students (n=31) marked “NO!” or “no,” and 26.2% of high school students (n=133) marked “NO!” or “no.”
- In response to the statement “My family has clear rules about other drug use,” 90.8% of middle school students and 83.7% of high school students marked “YES!” or “yes,” while 9.2% of middle school students (n=26) marked “NO!” or “no,” and 16.3% of high school students (n=83) marked “NO!” or “no.”

Table 25: Family Rules and Expectations Regarding Substance Use

	2012				2014				2016			
	Middle School Youth (7th-8th)		High School Youth (9th-12th)		Middle School Youth (7th-8th)		High School Youth (9th-12th)		Middle School Youth (7th-8th)		High School Youth (9th-12th)	
	#	%	#	%	#	%	#	%	#	%	#	%
My family has clear rules about alcohol Use												
NO! or no	42	14.1%	117	22.7%	38	15.6%	120	22.5%	31	10.9%	133	26.2%
YES! Or yes	255	85.9%	398	77.3%	206	84.4%	414	77.5%	254	89.1%	374	73.7%
My family has clear rules about other drug use.												
NO! or no	34	11.5%	87	16.9%	34	14.1%	89	16.7%	26	9.2%	83	16.3%
YES! Or yes	261	88.5%	427	83.1%	207	85.9%	443	83.3%	256	90.8%	426	83.7%

Figure 14



Protective Factors: Perceived Acceptability

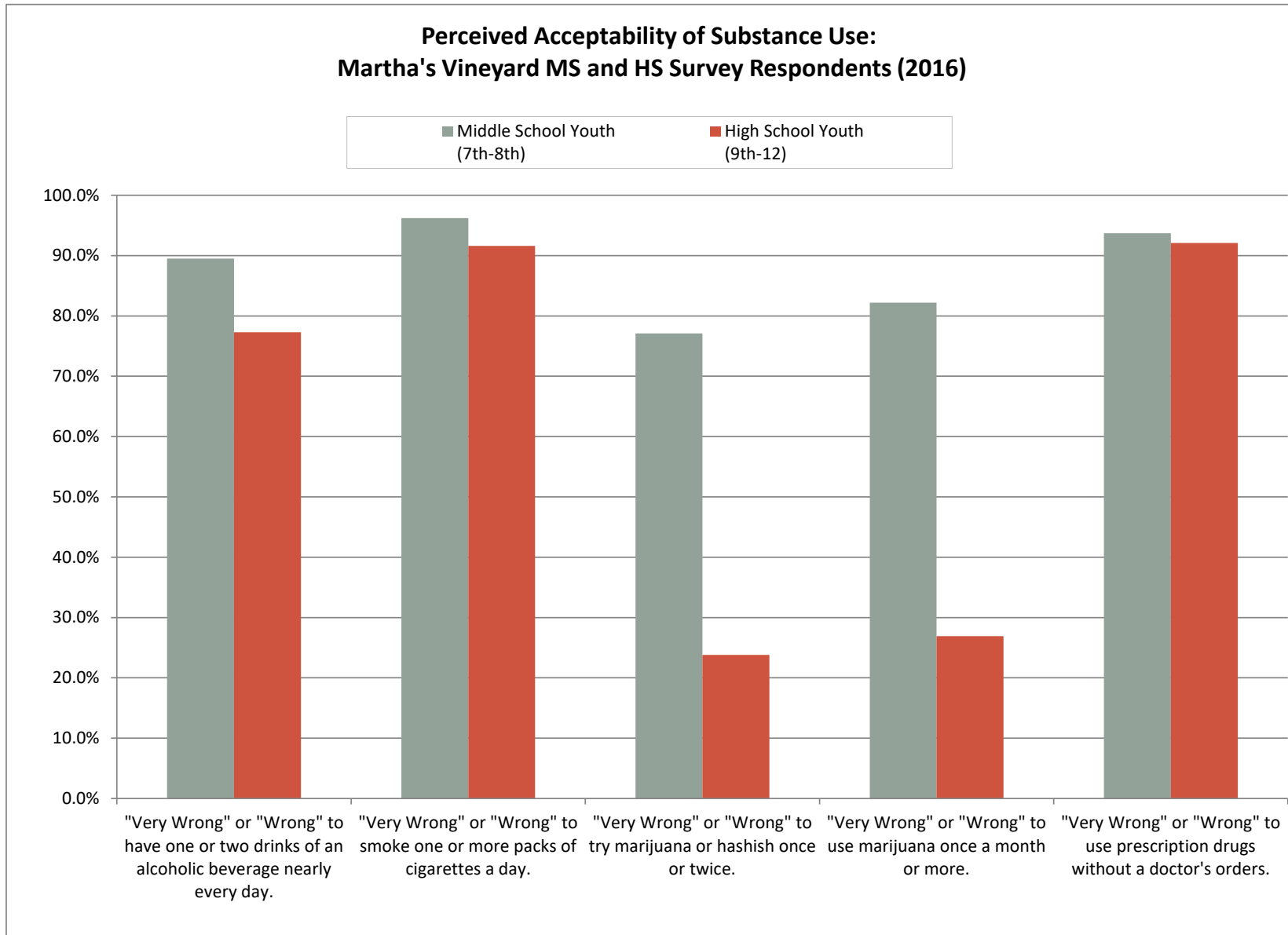
Students were asked to report their own perceptions of how wrong it is for someone their age to use alcohol and drugs; this section will focus on students who felt it was “Very wrong” or “Wrong” for someone their age to use the substance mentioned in the question. As with perceived parental acceptability, a higher rate of perceived disapproval is desirable.

- When comparing middle school and high school results for this question, Table 24 shows that middle school students reported higher disapproval rates than their high school peers for all categories – particularly in regards to marijuana use questions. Disapproval of regular alcohol use was 12.2% higher for middle schoolers than high schoolers, disapproval of heavy cigarette use was 4.6% higher for middle school than high school, disapproval of marijuana experimentation was 53.3% higher for middle school than high school, disapproval of regular marijuana use was 55.3% higher for middle school than high school, and disapproval of prescription drug use was 1.6% higher for middle school than high school.
- 89.5% of middle school students and 77.3% of high school students disapprove of regular alcohol use.
- 96.2% of middle school students and 91.6% of high school students disapprove of regular/heavy cigarette use.
- 77.1% of middle school students and 23.8% of high school students disapprove of trying marijuana.
- 82.2% of middle school students and 26.9% of high school students disapprove of smoking marijuana regularly.
- 93.7% of middle school students and 92.1% of high school students disapprove of using prescription drugs.

Table 26: Perceived Acceptability of Substance Use

Percent of students who feel, for someone their age, it is:	2012				2014				2016			
	Middle School Youth (7th-8th)		High School Youth (9th-12th)		Middle School Youth (7th-8th)		High School Youth (9th-12th)		Middle School Youth (7th-8th)		High School Youth (9th-12th)	
	#	%	#	%	#	%	#	%	#	%	#	%
"Very Wrong" or "Wrong" to have one or two drinks of an alcoholic beverage nearly every day.	266	88.7%	397	76.3%	211	85.8%	410	74.8%	256	89.5%	406	77.3%
"Very Wrong" or "Wrong" to smoke one or more packs of cigarettes a day.	287	95.7%	472	90.9%	237	96.3%	523	95.4%	273	96.2%	479	91.6%
"Very Wrong" or "Wrong" to try marijuana or hashish once or twice.	226	76.1%	151	29.1%	174	71.0%	169	30.8%	216	77.1%	124	23.8%
"Very Wrong" or "Wrong" to use marijuana once a month or more.	236	78.9%	168	32.4%	189	77.1%	197	36.0%	232	82.2%	140	26.9%
"Very Wrong" or "Wrong" to use prescription drugs without a doctor's orders.	278	93.0%	453	87.1%	223	90.7%	480	88.1%	266	93.7%	482	92.1%

Figure 15



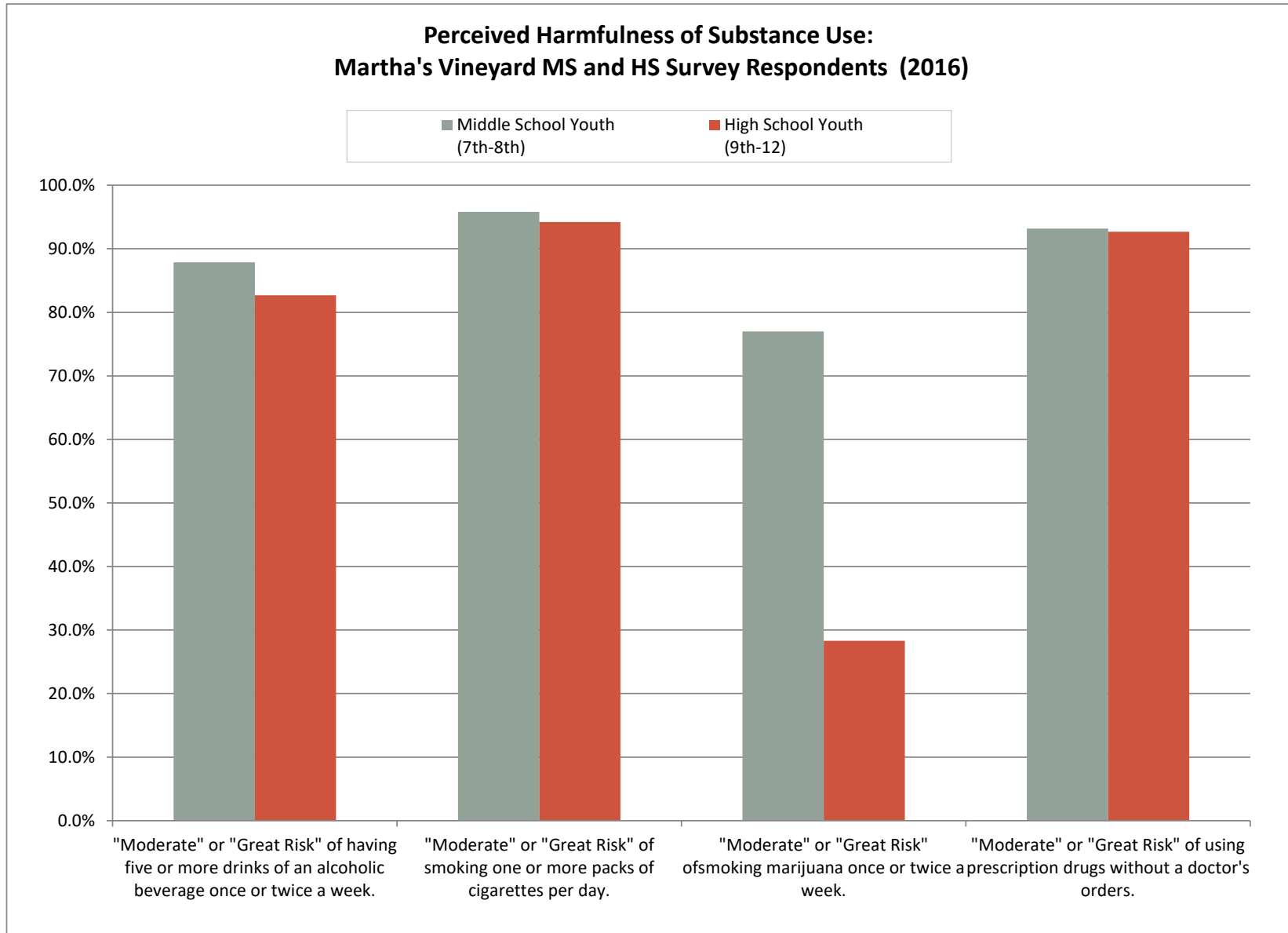
Students were asked to report how harmful (physically and in other ways) it was to use alcohol and other substances. The results of this section will focus on students who reported that they perceived “moderate” or “great risk” for each of the substance categories. As with perceived disapproval, higher rates of perceived harmfulness are desirable.

- In regard to perceived harmfulness of binge drinking, a majority of all students perceived moderate or great risk, but the rate of perceived harmfulness was higher for middle schoolers (87.9% perceived great risk, compared to 82.7% of high schoolers).
- Rates of perceived harm of regular cigarette use and using prescription drugs for unintended purposes were quite similar for both groups of students. Perceived harmfulness of heavy cigarette use was 95.8% for the middle school and 94.2% for the high school, and perceived harmfulness of using prescription drugs was 93.2% for the middle school and 92.7% for the high school.
- A significantly higher number/percent of middle school students perceive harm in smoking marijuana than high school students – 77.0% of middle school students (n=218) indicated there was moderate or great risk in smoking marijuana once or twice a week, while only 28.3% of high school students (n=148) perceive great harm of regular marijuana use. Such findings are consistent with low high school rates of perceived disapproval.

Table 27: Perceived Harmfulness of Substance Use

Percent of students who feel there is:	2012				2014				2016			
	Middle School Youth (7th-8th)		High School Youth (9th-12th)		Middle School Youth (7th-8th)		High School Youth (9th-12th)		Middle School Youth (7th-8th)		High School Youth (9th-12th)	
	#	%	#	%	#	%	#	%	#	%	#	%
"Moderate" or "Great Risk" of having five or more drinks of an alcoholic beverage once or twice a week.	257	87.1%	403	77.6%	214	86.3%	448	81.6%	249	87.9%	433	82.7%
"Moderate" or "Great Risk" of smoking one or more packs of cigarettes per day.	277	93.9%	485	93.4%	235	94.8%	524	95.6%	269	95.8%	491	94.2%
"Moderate" or "Great Risk" of smoking marijuana once or twice a week.	235	79.7%	206	39.8%	189	76.5%	225	41.1%	218	77.0%	148	28.3%
"Moderate" or "Great Risk" of using prescription drugs without a doctor's orders.	269	92.8%	479	92.5%	218	90.8%	500	92.8%	262	93.2%	480	92.7%

Figure 16



Protective Factors: How Students Avoid Drinking

Students were asked, “When you have been at a party or just hanging out with other students, what, if anything, have you done to avoid drinking alcohol? (Select all that apply).” The response option most marked by both groups was “I don’t drink alcohol, so I have not done anything special” – 87.1% (n=250) of middle schoolers and 45.8% (n=244) of high schoolers.

The three highest reported avoidance options for middle schoolers were the following:

- I have never been to a party where there has been drinking (17.8%, n=51)
- I do not hang out with drinkers (11.5%, n=33)
- I tell people, “I don’t want to drink” if I am offered alcohol (11.5%, n= 33)

The three highest reported avoidance options for high schoolers were the following:

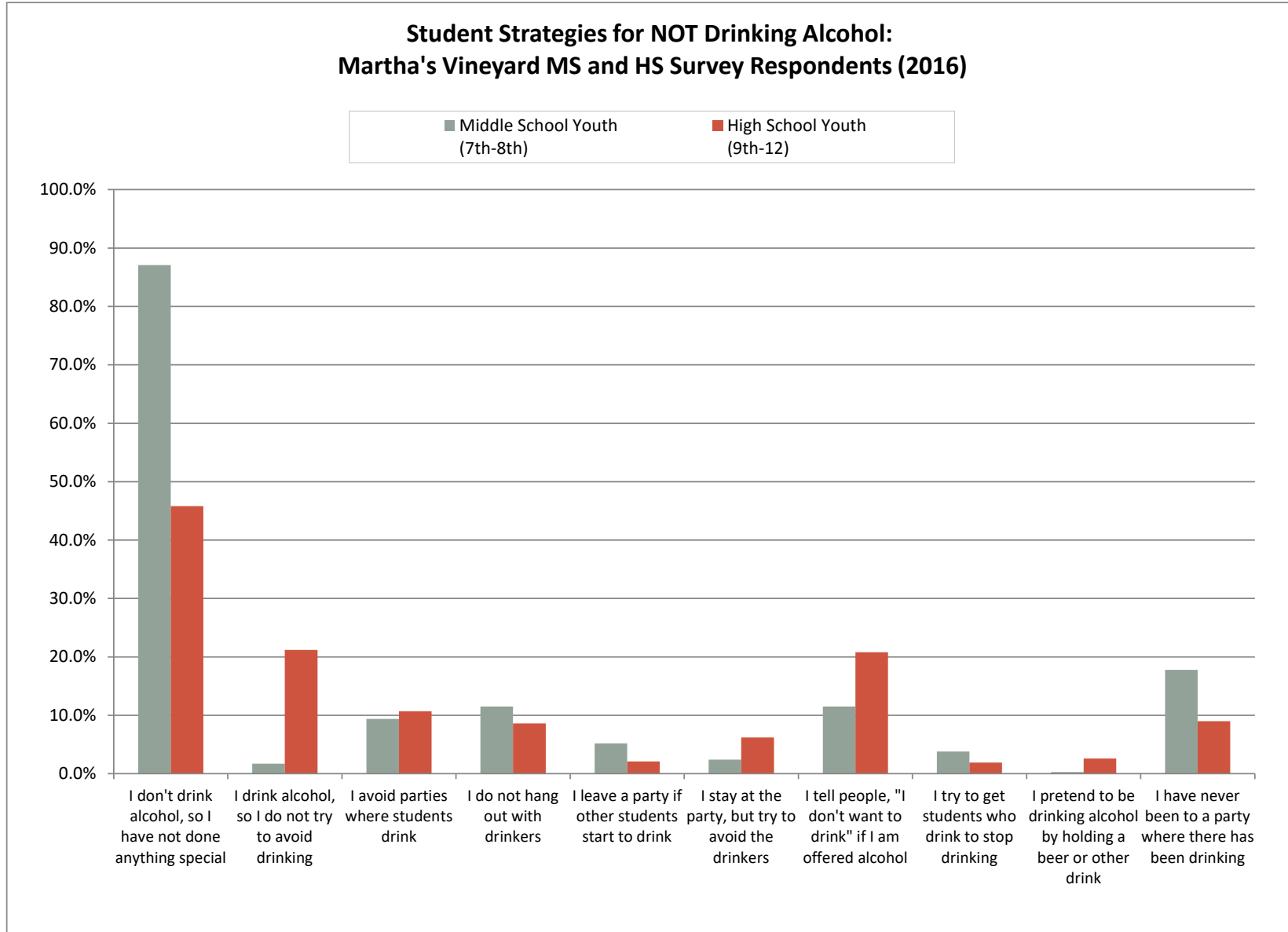
- I tell people, “I don’t want to drink” if I am offered alcohol (20.8%, n=111)
- I avoid parties where students drink (10.7%, n=57)
- I have never been to a party where there has been drinking (9.0%, n=48)

For a graphic representation of this data, please see the following page.

Table 28: Student Strategies for Avoiding Drinking Alcohol

<i>When you have been at a party or just hanging out with other students, what, if anything, have you done to avoid drinking alcohol? (Select all that apply)</i>	2012				2014				2016			
	Middle School Youth (7th-8th)		High School Youth (9th-12th)		Middle School Youth (7th-8th)		High School Youth (9th-12th)		Middle School Youth (7th-8th)		High School Youth (9th-12th)	
	#	%	#	%	#	%	#	%	#	%	#	%
I don't drink alcohol, so I have not done anything special	250	82.5%	233	44.5%	196	78.4%	257	46.4%	250	87.1%	244	45.8%
I drink alcohol, so I do not try to avoid drinking	10	3.3%	151	28.8%	7	2.8%	130	23.5%	5	1.7%	113	21.2%
I avoid parties where students drink	32	10.6%	46	8.8%	28	11.2%	41	7.4%	27	9.4%	57	10.7%
I do not hang out with drinkers	47	15.5%	39	7.4%	28	11.2%	55	9.9%	33	11.5%	46	8.6%
I leave a party if other students start to drink	20	6.6%	14	2.7%	10	4.0%	9	1.6%	15	5.2%	11	2.1%
I stay at the party, but try to avoid the drinkers	16	5.3%	39	7.4%	11	4.4%	36	6.5%	7	2.4%	33	6.2%
I tell people, "I don't want to drink" if I am offered alcohol	41	13.5%	120	22.9%	30	12.0%	117	21.1%	33	11.5%	111	20.8%
I try to get students who drink to stop drinking	14	4.6%	10	1.9%	10	4.0%	14	2.5%	11	3.8%	10	1.9%
I pretend to be drinking alcohol by holding a beer or other drink	1	0.3%	22	4.2%	0	0.0%	17	3.1%	1	0.3%	14	2.6%
I have never been to a party where there has been drinking	57	18.8%	34	6.5%	40	16.0%	63	11.4%	51	17.8%	48	9.0%

Figure 17



Protective Factors: What Prevents Students From Drinking

Students were asked, “What prevents you from drinking alcohol?” The three highest reported reasons for middle schoolers to NOT drink alcohol (see Table 29) were the following:

- Negative health effects (80.5%, n=231)
- Getting into trouble with my parents (72.1%, n=207)
- Getting into trouble with the police (67.9%, n=195)

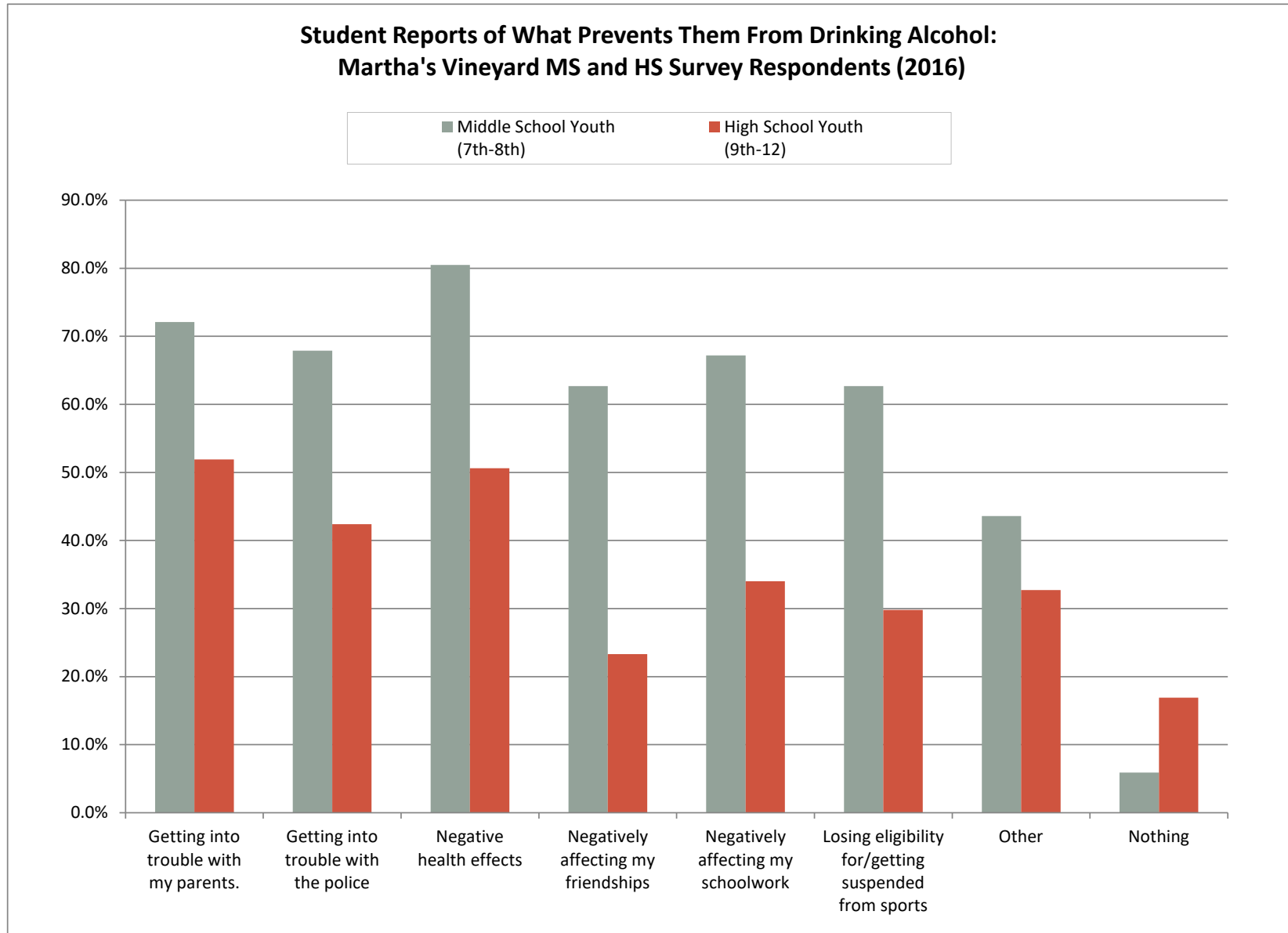
The three highest reported strategies for high schoolers to NOT drink alcohol were the following:

- Getting into trouble with my parents (51.9%, n=267)
- Negative health effects (50.6%, n=260)
- Getting into trouble with the police (42.4%, n=218)

Table 29: Student Responses to the Question "What prevents you from drinking alcohol?"

	2012				2014				2016			
	Middle School Youth (7th-8th)		High School Youth (9th-12th)		Middle School Youth (7th-8th)		High School Youth (9th-12th)		Middle School Youth (7th-8th)		High School Youth (9th-12th)	
	#	%	#	%	#	%	#	%	#	%	#	%
Getting into trouble with my parents.	225	74.5%	276	53.0%	183	73.5%	301	55.9%	207	72.1%	267	51.9%
Getting into trouble with the police	203	67.2%	274	52.6%	166	66.7%	265	49.3%	195	67.9%	218	42.4%
Negative health effects	220	72.8%	246	47.2%	178	71.5%	269	50.0%	231	80.5%	260	50.6%
Negatively affecting my friendships	172	57.0%	138	26.5%	128	51.4%	137	25.5%	180	62.7%	120	23.3%
Negatively affecting my schoolwork	179	59.3%	183	35.1%	155	62.2%	195	36.2%	193	67.2%	175	34.0%
Losing eligibility for/getting suspended from sports	168	55.6%	220	42.2%	134	53.8%	213	39.6%	180	62.7%	153	29.8%
Other	111	36.8%	163	31.3%	88	35.3%	175	32.5%	125	43.6%	168	32.7%
Nothing	21	7.0%	109	20.9%	15	6.0%	90	16.7%	17	5.9%	87	16.9%

Figure 18



Social Norms: Perceived Alcohol Use

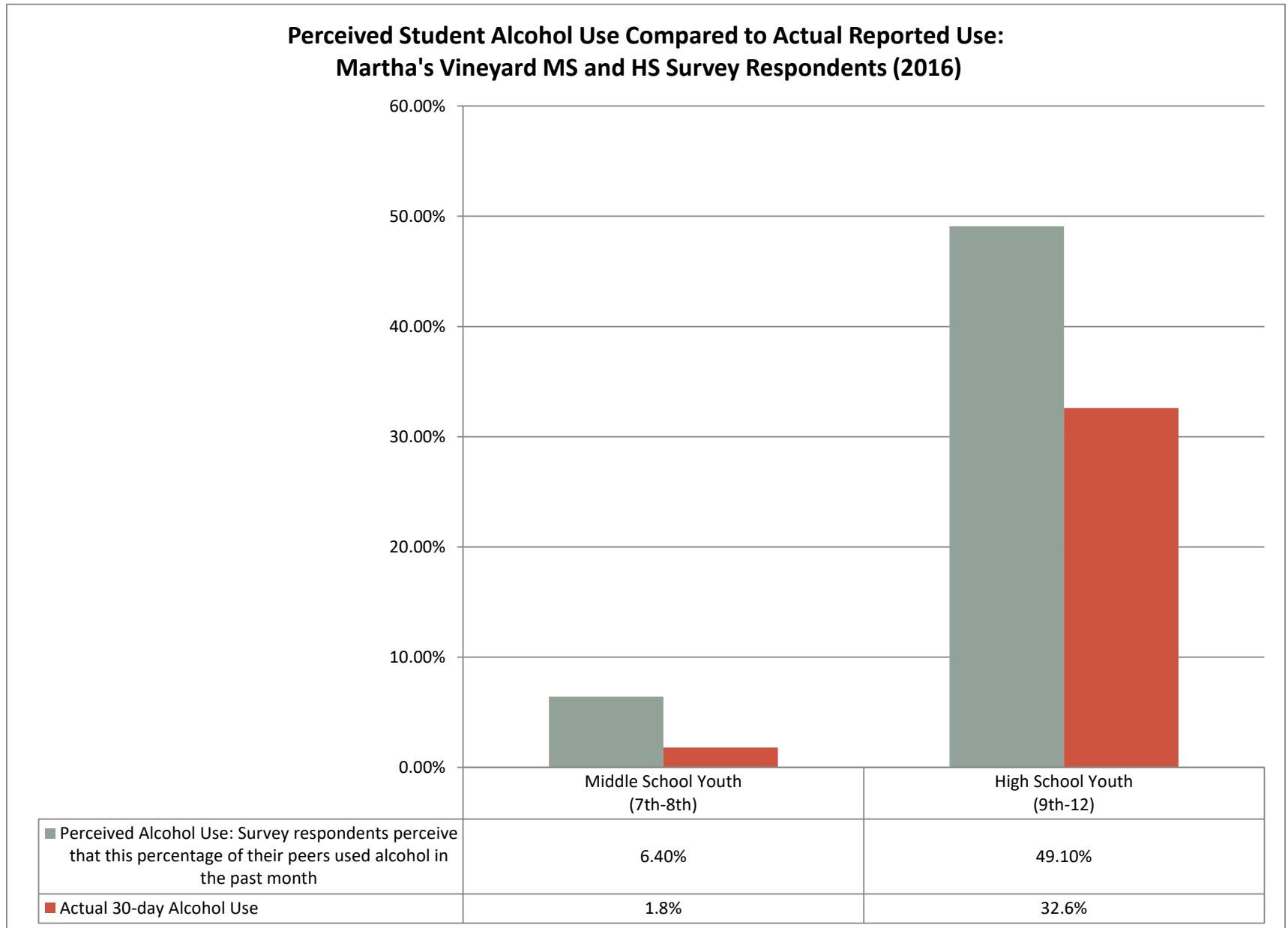
In order to determine student perception of alcohol use, students were asked to indicate what percentage of students they believed used alcohol in the past month (see Table 30 for results). Only 43.2% of middle school students and 3.2% of high school students do not think any of their fellow students have used alcohol in the past month. Further, 42.5% of middle school students and 5.9% of high school students think that a few (1-10%) of students in their grade are using alcohol, 10.2% of middle school students and 14.4% of high school students think that some (11-30%) are using alcohol, 3.5% of middle school students and 23.8% of high school students think that half or less (31-50%) are using alcohol, 0.4% of middle school students and 33.8% of high school students think that half or more (51-70%) are using alcohol, 0% of middle school students and 15.9% of high school students think that most (71-90%) are using alcohol, and 0.4% of middle school students and 3.0% of high school students think that almost all (91-100%) are using alcohol.

From the data presented in Table 30, Bach Harrison calculated the average percentage of students that the two groups feel are using alcohol at their school. The findings of these calculations are presented in Figure 19 below, along with the percentage of students reporting having used alcohol in the past month (previously reference in this report). According to the data presented in Figure 19 below, middle school students perceive that 6.4% of their peers have used alcohol in the past month; however, the actual use rate for this group is only 1.8%. Likewise, high school students perceived that 49.1% of students in their school had used alcohol in the past month; whereas, the actual use rate was 32.6%.

Table 30: Student Perceptions of Peer Alcohol Use in the Past Month

<i>Now think about all the students in your grade at your school. How many of them do you think drank some alcohol in the past month?</i>	2012				2014				2016			
	Middle School Youth (7th-8th)		High School Youth (9th-12th)		Middle School Youth (7th-8th)		High School Youth (9th-12th)		Middle School Youth (7th-8th)		High School Youth (9th-12th)	
	#	%	#	%	#	%	#	%	#	%	#	%
None (0%)	88	29.2%	12	2.3%	96	38.6%	15	2.7%	123	43.2%	17	3.2%
Few (1-10%)	134	44.5%	29	5.6%	103	41.4%	24	4.4%	121	42.5%	31	5.9%
Some (11-30%)	54	17.9%	49	9.4%	34	13.7%	74	13.4%	29	10.2%	76	14.4%
Half or less (31-50%)	16	5.3%	104	19.9%	8	3.2%	148	26.9%	10	3.5%	126	23.8%
Half or more (51-70%)	4	1.3%	183	35.1%	4	1.6%	194	35.2%	1	0.4%	179	33.8%
Most (71-90%)	4	1.3%	118	22.6%	3	1.2%	79	14.3%	0	0.0%	84	15.9%
Almost all (91-100%)	1	0.3%	27	5.2%	1	0.4%	17	3.1%	1	0.4%	16	3.0%

Figure 19



Social Norms: Perceived Binge Drinking

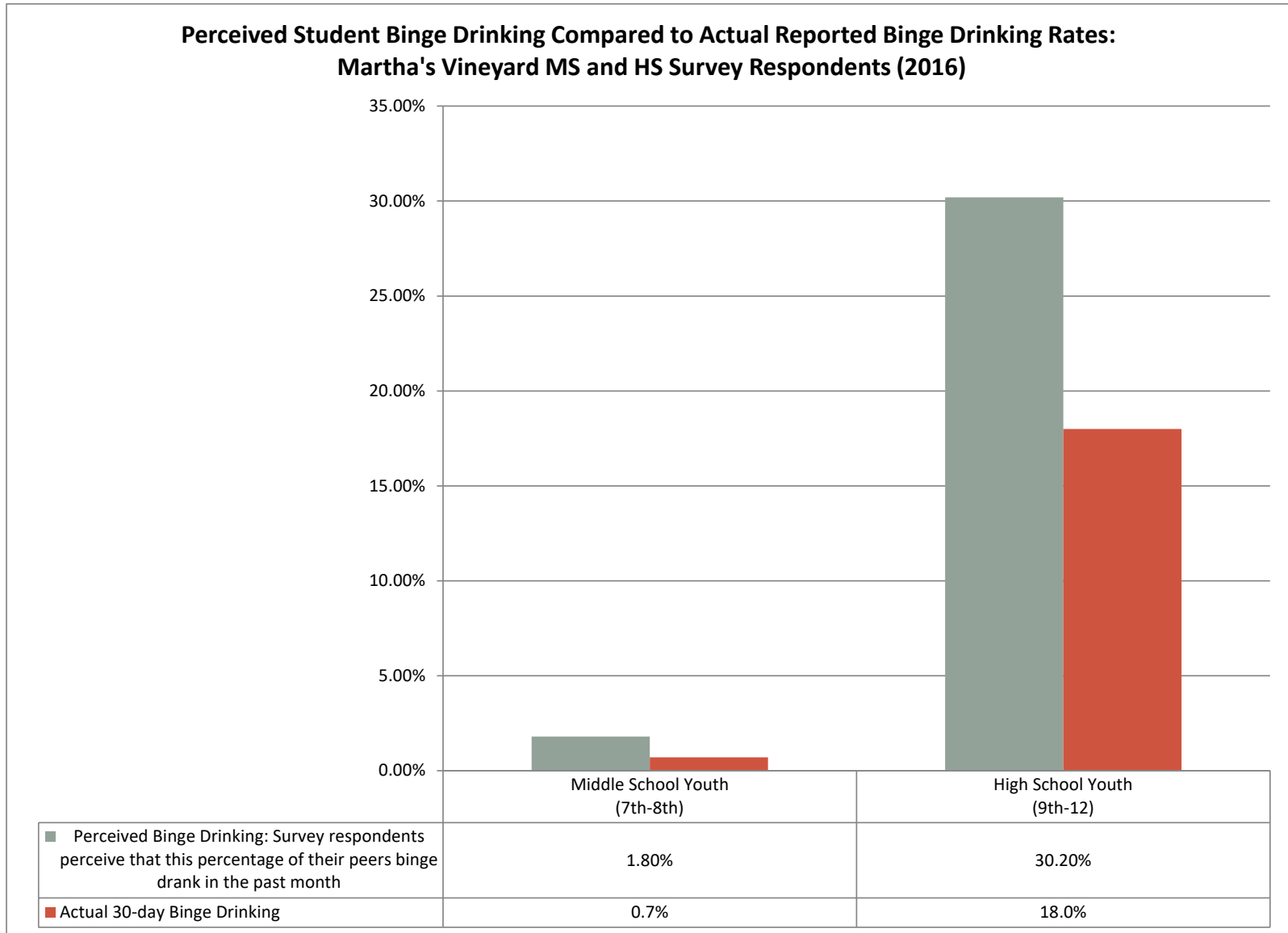
In order to determine student perception of binge drinking, students were asked to indicate what percentage of students they believed had five or more drinks of alcohol in a row in the past month (see Table 31 for results). While 81.8% of middle school students felt that none of their peers binge drank in the past month, only 8.7% of high schoolers felt that none of their peers had binge drank. Further, 14.7% of middle school students and 22.6% of high school students think that a few (1-10%) students in their grade binge drank in the past month, 3.2% of middle school students and 24.0% of high school students think that some (11-30%) binge drank in the past month, 0% of middle school students and 22.8% of high school students think that half or less (31-50%) binge drank in the past month, 0% of middle school students and 14.7% of high school students think that half or more (51-70%) binge drank in the past month, 0% of middle school students and 6.2% of high school students think that most (71-90%) binge drank in the past month, and 0.4% of middle school students and 0.9% of high school students think that almost all (91-100%) binge drank in the past month.

From the data presented in Table 31, Bach Harrison calculated the average percentage of students that the two groups feel have binge drank recently at their school. The findings of these calculations are presented in Figure 20 below, along with the percentage of students reporting having binge drank in the past month (previously referenced in this report). According to the data presented in Figure 20 below, middle school students perceive that 1.8% of their peers have binge drank in the past month; however, the actual use rate for this group is only 0.7%. Likewise, high school students perceived that 30.2% of students in their school had binge drank in the past month; whereas, the actual rate was 18.0%.

Table 31: Student Perceptions of Peer Binge Drinking in the Past Month

<i>Now think about all the students in your grade at your school. How many of them do you think had 5 or more drinks of alcohol in a row, that is, within a couple of hours?</i>	2012				2014				2016			
	Middle School Youth (7th-8th)		High School Youth (9th-12th)		Middle School Youth (7th-8th)		High School Youth (9th-12th)		Middle School Youth (7th-8th)		High School Youth (9th-12th)	
	#	%	#	%	#	%	#	%	#	%	#	%
None (0%)	195	64.8%	38	7.3%	183	73.5%	39	7.1%	233	81.8%	46	8.7%
Few (1-10%)	70	23.3%	85	16.3%	51	20.5%	102	18.6%	42	14.7%	120	22.6%
Some (11-30%)	22	7.3%	109	20.9%	10	4.0%	144	26.3%	9	3.2%	127	24.0%
Half or less (31-50%)	9	3.0%	141	27.0%	3	1.2%	142	26.0%	0	0.0%	121	22.8%
Half or more (51-70%)	2	0.7%	102	19.5%	1	0.4%	94	17.2%	0	0.0%	78	14.7%
Most (71-90%)	2	0.7%	41	7.9%	1	0.4%	23	4.2%	0	0.0%	33	6.2%
Almost all (91-100%)	1	0.3%	6	1.1%	0	0.0%	3	0.5%	1	0.4%	5	0.9%

Figure 20



In order to determine student perception of marijuana use, students were asked to indicate what percentage of students they believed used marijuana in the past month (see Table 32 on the following page for results). Only 42.6% of middle school students and 4.2% of high school students do not think any of their fellow students have used marijuana in the past month. Further, 39.4% of middle school students and 4.3% of high school students think that a few (1-10%) of students in their grade are using marijuana, 13.0% of middle school students and 7.9% of high school students think that some (11-30%) are using marijuana, 2.5% of middle school students and 19.5% of high school students think that half or less (31-50%) are using marijuana, 2.1% of middle school students and 29.9% of high school students think that half or more (51-70%) are using marijuana, 0% of middle school students and 25.7% of high school students think that most (71-90%) are using marijuana, and 0.4% of middle school students and 8.5% of high school students think that almost all (91-100%) are using marijuana.

From the data presented in Table 32 (see following page), Bach Harrison calculated the average percentage of students that the two groups feel are using marijuana at their school. The findings of these calculations are presented in Figure 21, along with the percentage of students reporting having used marijuana in the past month (previously referenced in this report).

Figure 21

According to the data presented in Figure 21 below, middle school students perceive that 7.5% of their peers have used marijuana in the past month; however, the actual use rate for this group is only 1.8%. Likewise, high school students perceived that 56.6% of students in their school had used marijuana in the past month; whereas, the actual use rate was 33.9%.

The survey also addressed the issue of student perceptions regarding the frequency of marijuana use in the past month. Table 32 below shows that middle school students were more likely to feel like students in their grade were either not using marijuana at all (51.4% of middle school students indicated this response) or that students had only used 1 or 2 times in the past month (30.6% of middle school students indicated this response.) As for high school students, more students in this group perceive that students who are using marijuana are using it regularly. High School students indicated that they thought students had used marijuana 3 to 9 times in the past month (26.0% of high school students indicated this response), 10 to 19 times (30% of high school students indicated this response), 20 to 39 times (18.1% of high school students indicated this response), or even upwards of 40 times in the past month (11.6% of high school students indicated this response).

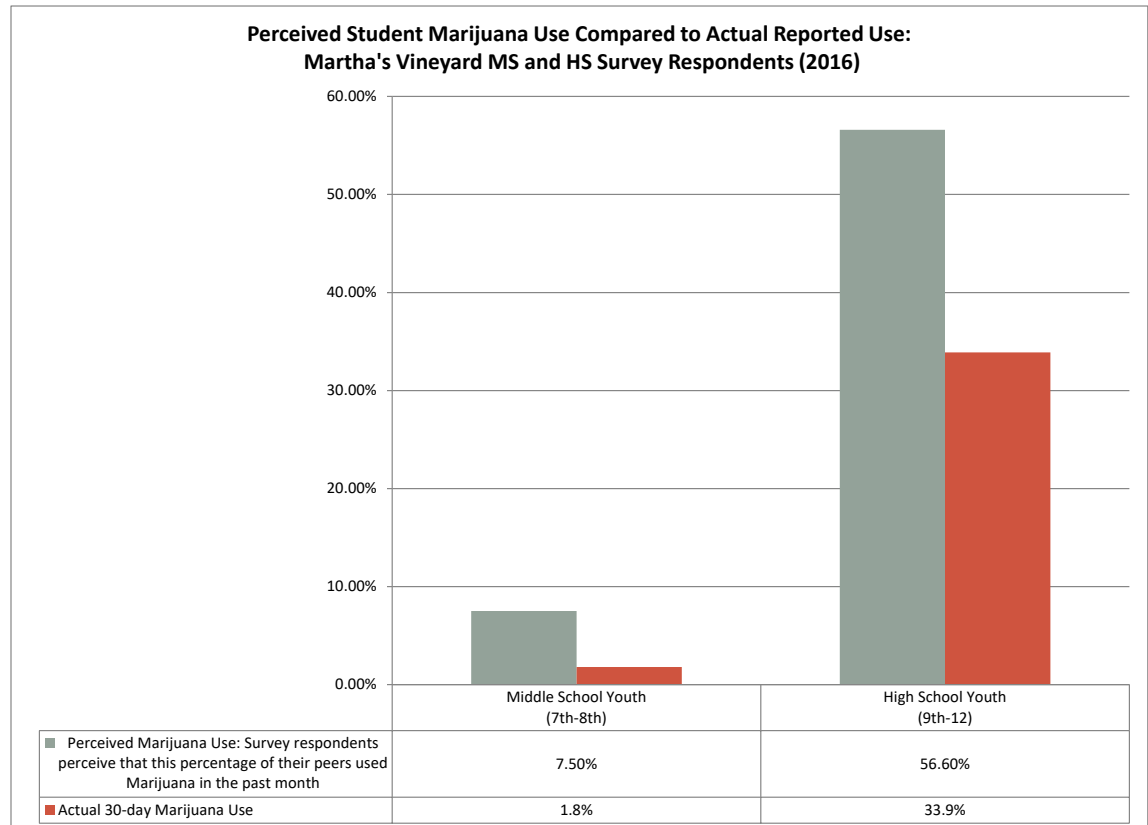


Table 32: Student Perceptions of Peer Marijuana Use in the Past Month

<i>In your opinion, during the past 30 days, how many times you think students in your grade at school used marijuana?</i>	2012				2014				2016			
	Middle School Youth (7th-8th)		High School Youth (9th-12th)		Middle School Youth (7th-8th)		High School Youth (9th-12th)		Middle School Youth (7th-8th)		High School Youth (9th-12th)	
	#	%	#	%	#	%	#	%	#	%	#	%
0 times	148	49.5%	35	6.8%	123	50.0%	28	5.1%	146	51.4%	41	7.8%
1 or 2 times	73	24.4%	44	8.5%	66	26.8%	36	6.6%	87	30.6%	34	6.5%
3 to 9 times	49	16.4%	144	28.0%	42	17.1%	144	26.3%	37	13.0%	137	26.0%
10 to 19 times	19	6.4%	145	28.2%	12	4.9%	182	33.2%	8	2.8%	158	30.0%
20 to 39 times	6	2.0%	78	15.1%	0	0.0%	91	16.6%	4	1.4%	95	18.1%
40 or more times	4	1.3%	69	13.4%	3	1.2%	67	12.2%	2	0.7%	61	11.6%
All Respondents	299	100%	515	100%	246	100%	548	100%	284	100%	526	100%
<i>Now think about all the students in your grade at your school. How many of them do you think used marijuana in the past month?</i>	Middle School Youth (7th-8th)		High School Youth (9th-12th)		Middle School Youth (7th-8th)		High School Youth (9th-12th)		Middle School Youth (7th-8th)		High School Youth (9th-12th)	
	#	%	#	%	#	%	#	%	#	%	#	%
None (0%)	113	37.4%	17	3.3%	109	44.5%	19	3.4%	121	42.6%	22	4.2%
Few (1-10%)	116	38.4%	35	6.7%	83	33.9%	20	3.6%	112	39.4%	23	4.3%
Some (11-30%)	42	13.9%	49	9.4%	35	14.3%	70	12.7%	37	13.0%	42	7.9%
Half or less (31-50%)	22	7.3%	103	19.7%	12	4.9%	113	20.5%	7	2.5%	103	19.5%
Half or more (51-70%)	6	2.0%	158	30.3%	4	1.6%	161	29.2%	6	2.1%	158	29.9%
Most (71-90%)	1	0.3%	106	20.3%	0	0.0%	133	24.1%	0	0.0%	136	25.7%
Almost all (91-100%)	2	0.7%	54	10.3%	2	0.8%	35	6.4%	1	0.4%	45	8.5%

Social Norms: Perceived Prescription Drug Use

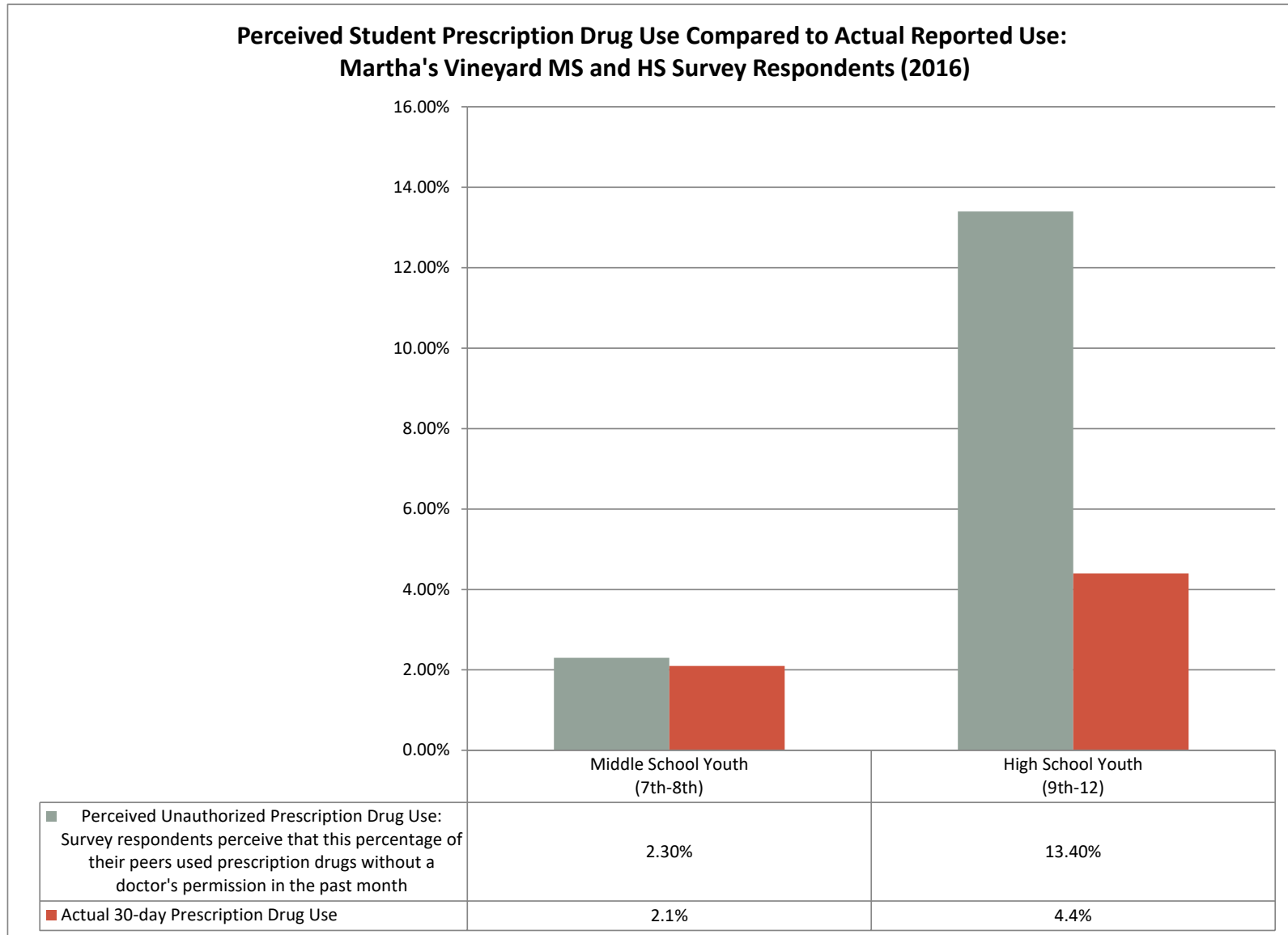
In order to determine student perception of prescription drug use, students were asked to indicate what percentage of students they believed used prescription drugs in the past month (see Table 33 for results). A majority (72.9%) of middle school students and 14.7% of high school students do not think any of their fellow students have used prescription drugs (for unintended purposes) in the past month. Further, 24.3% of middle school students and 52.2% of high school students think that a few (1-10%) of students in their grade are using prescription drugs, 2.1% of middle school students and 20.5% of high school students think that some (11-30%) are using prescription drugs, 0.4% of middle school students and 8.4% of high school students think that half or less (31-50%) are using prescription drugs, 0.0% of middle school students and 2.5% of high school students think that half or more (51-70%) are using prescription drugs, 0% of middle school students and 1.5% of high school students think that most (71-90%) are using prescription drugs, and 0.4% of middle school students and 0.2% of high school students think that almost all (91-100%) are using prescription drugs.

From the data presented in Table 33, Bach Harrison calculated the average percentage of students the two groups feel are using prescription drugs at their school. The findings of these calculations are presented in Figure 22 below, along with the percentage of students reporting having used prescription drugs in the past month (previously referenced in this report). According to the data presented in Figure 22 below, middle school students perceive that 2.3% of their peers have used prescription drugs in the past month; the actual use rate for this group is slightly less (2.1%). High school students perceived that 13.4% of students in their school had used prescription drugs in the past month; whereas, the actual use rate was 4.4%.

Table 33: Student Perceptions of Peer Prescription Drug Use in the Past Month

<i>Now think about all the students in your grade at your school. How many of them do you think used prescription medication without a doctor's orders in the past month?</i>	2012				2014				2016			
	Middle School Youth (7th-8th)		High School Youth (9th-12th)		Middle School Youth (7th-8th)		High School Youth (9th-12th)		Middle School Youth (7th-8th)		High School Youth (9th-12th)	
	#	%	#	%	#	%	#	%	#	%	#	%
None (0%)	201	67.2%	75	14.4%	142	57.7%	71	13.0%	204	72.9%	77	14.7%
Few (1-10%)	81	27.1%	271	52.0%	85	34.6%	271	49.7%	68	24.3%	273	52.2%
Some (11-30%)	11	3.7%	122	23.4%	15	6.1%	140	25.7%	6	2.1%	107	20.5%
Half or less (31-50%)	5	1.7%	37	7.1%	3	1.2%	45	8.3%	1	0.4%	44	8.4%
Half or more (51-70%)	0	0.0%	11	2.1%	1	0.4%	14	2.6%	0	0.0%	13	2.5%
Most (71-90%)	0	0.0%	3	0.6%	0	0.0%	3	0.6%	0	0.0%	8	1.5%
Almost all (91-100%)	1	0.3%	2	0.4%	0	0.0%	1	0.2%	1	0.4%	1	0.2%

Figure 22



Social Norms: Perceived Prescription Drug Use

The 2016 Survey asked students to anonymously report whether anyone (other than themselves) in their household was using cigarettes, marijuana, illegal drugs, alcohol to excess, or prescription medication (without a doctor’s permission). Of middle school survey participants, 25.2% indicated someone living with them that smoked, 11.4% indicated someone who “drinks too much,” 9.7% indicated someone who smokes marijuana, 2.6% indicated someone who uses illegal drugs other than marijuana, and 1.1% indicated someone who uses prescription drugs outside of a doctor’s prescription. As for high school survey participants, 23.9% indicated someone living with them that smoked, 17.1% indicated someone who “drinks too much,” 24.9% indicated someone who smokes marijuana, 3.0% indicated someone who uses illegal drugs other than marijuana, and 2.4% indicated someone who uses prescription drugs outside of a doctor’s prescription.

Table 34: Student Responses to the Question "Is there anyone (other than you) living in your household who:"

	2016			
	Middle School Youth (7th-8th)		High School Youth (9th-12th)	
	#	%	#	%
Smokes cigarettes?	71	25.2%	121	23.9%
You think drinks too much?	32	11.4%	87	17.1%
Smokes marijuana?	27	9.7%	125	24.9%
Uses illegal drugs other than marijuana?	7	2.6%	15	3.0%
Abuses prescription medication (meaning they use it in a way that was NOT prescribed by a doctor or to get high)?	3	1.1%	12	2.4%

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