



2015 DELAWARE STATE EPIDEMIOLOGICAL PROFILE: CONSUMPTION, CONTEXT, AND CONSEQUENCES OF ALCOHOL, TOBACCO, AND OTHER DRUGS OF ABUSE

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Prepared by:

*The University of Delaware Center for Drug and Health Studies
&
Its State Partners*

For

**The Delaware SPF-SIG Program,
The Delaware Division of Substance Abuse and Mental Health,
&
The Delaware Drug and Alcohol Tracking Alliance**

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INTRODUCTION HISTORY AND CONTEXT OF THE STATE EPIDEMIOLOGICAL OUTCOMES WORKGROUP (DDATA) AND THE 2015 PROFILE

All States, including Delaware, have received support from the Substance Abuse and Mental Health Services Administration's (SAMHSA's) Center for Substance Abuse Prevention (CSAP) to establish a statewide epidemiological workgroup or SEOW. Some SEOWs, including Delaware's, are incorporated as part of a SAMHSA Strategic Prevention Framework State Incentive Grant (SPF-SIG) to the Division of Substance Abuse and Mental Health (DSAMH) in the Delaware Department of Health and Social Services. The SEOW is a group of people and organizations in the state that have and use analytical data concerning drug and alcohol use and abuse, which can be used to establish and monitor indicators related to substance abuse prevention. Delaware's SEOW is known as DDATA (Delaware Drug and Alcohol Tracking Alliance). The DDATA mission is:

- ✧ *To create and implement a systematic process for gathering, reviewing, analyzing and integrating data that will delineate a comprehensive and accurate picture of State substance-related consumption patterns and consequences;*
- ✧ *To inform and guide substance abuse prevention policy, program development, and evaluation in the State; and*
- ✧ *To disseminate information to State and community agencies, to targeted decision-makers, and to the Delaware public.*

DDATA collects, analyzes, and disseminates information in accessible formats, primarily for State and community level planning, programming and ongoing evaluation to inform and enhance effectiveness of prevention efforts. This Epidemiological Report is one product developed by DDATA to disseminate useful information. Using indicators identified as useful and available on an ongoing basis, it briefly describes Delaware-specific patterns of consumption, context, consequences and trends of substance use, especially among young people.

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Consumption Patterns

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2014 Delaware School Survey

Percent of Delaware 8th and 11th Grade Students Reporting Use of Selected Substances in the Past 30 Days

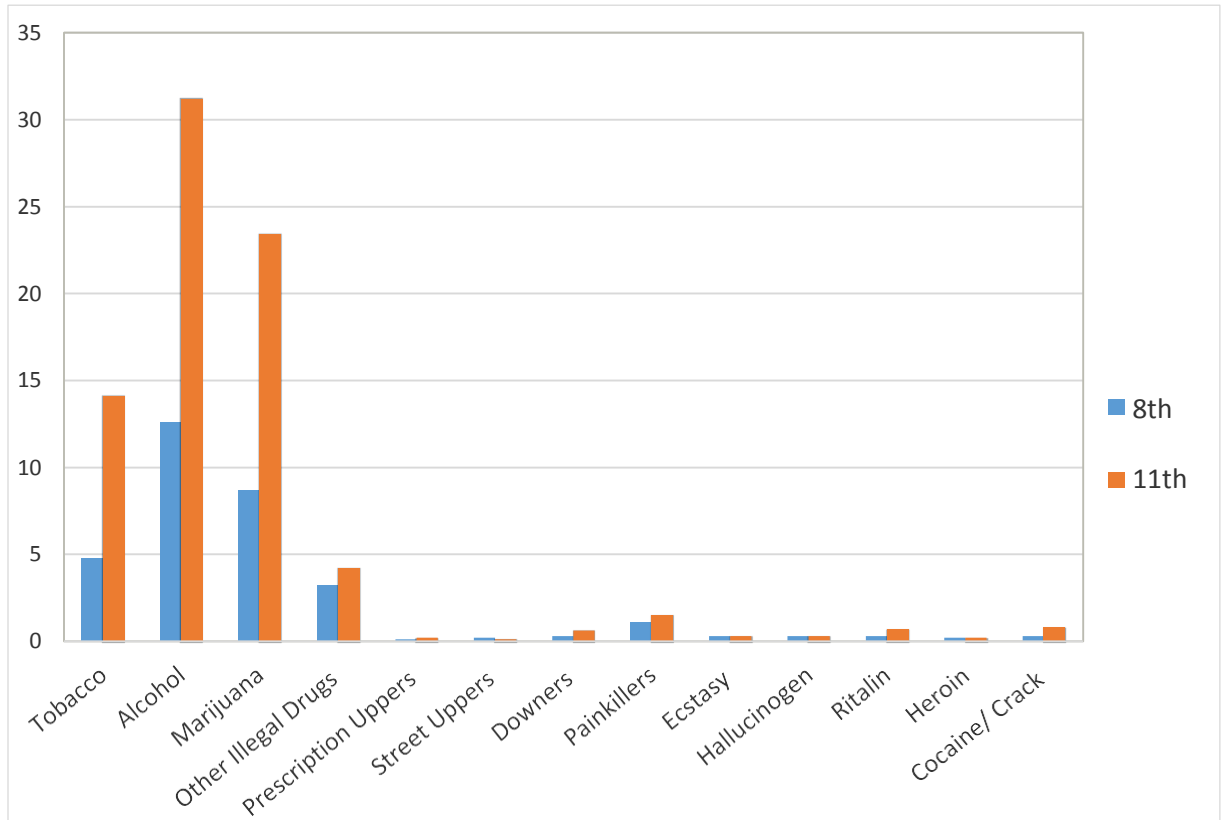


Figure 1 Reported Use of Selected Substances in the Past 30 Days among Delaware 8th/11th Graders
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Source:

["2014 Delaware School Survey." Center for Drug and Health Studies, University of Delaware.](#)

Tobacco

A. Tobacco Prevalence Indicators

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NATIONAL SURVEY ON DRUG USE AND HEALTH (NSDUH)

Selected Drug Use, Perceptions of Great Risk, Average Annual Rates of First Use of Tobacco in <i>Delaware</i>, by Age Group: Percentages, Annual Averages Based on 2012-2013 NSDUHs^a				
Measure	Total 12 or Older	AGE GROUP		
		12-17	18-25	26 or Older
TOBACCO PRODUCTS				
Past Month Tobacco Product Use^b	28.22	8.94	39.71	28.46
Past Month Cigarette Use	23.21	6.85	34.10	23.22
Perceived Great Risk of Smoking One or More Packs of Cigarettes Per Day	73.17	65.64	70.19	74.52

Figure 2 Perceptions of great risk, average annual rates of first use of tobacco in Delaware

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NOTE:

^a Estimates are based on a survey-weighted hierarchical Bayes estimation approach.

^b Tobacco Products include cigarettes, smokeless tobacco (i.e., chewing tobacco or snuff), cigars, or pipe tobacco.

Source:

[“2013 National Survey on Drug Use and Health.” Center for Behavioral Health Statistics and Quality, Substance Abuse and Mental Health Services Administration](#)

2014 DELAWARE SCHOOL SURVEY

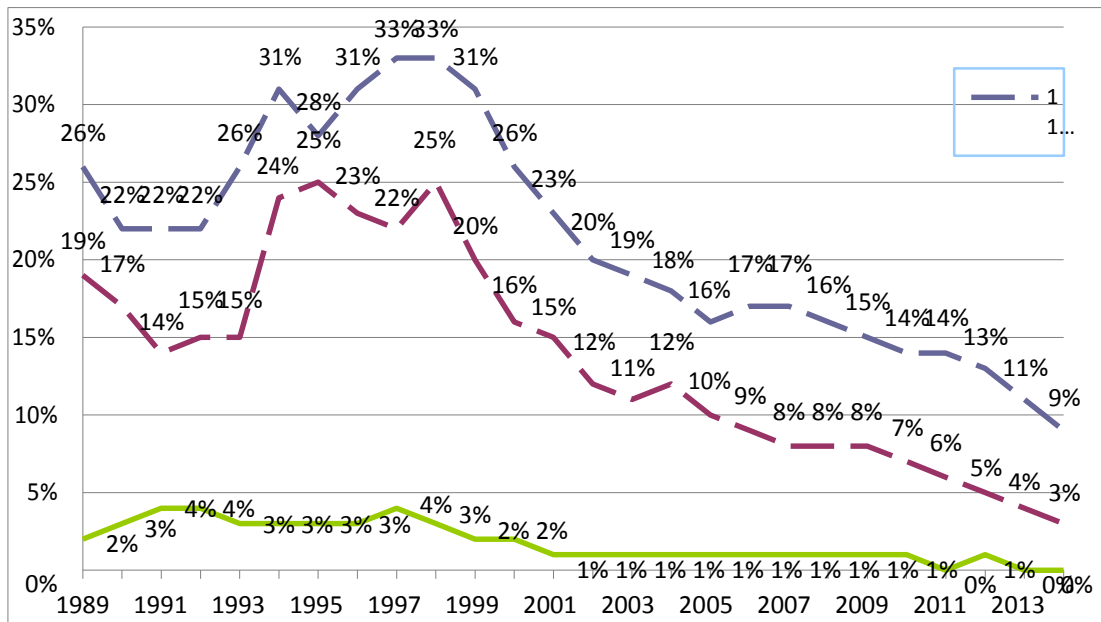
CIGARETTE USE AMONG DELAWARE FIFTH GRADERS

(in percentages)

	LIFETIME USE	PAST YEAR USE	PAST MONTH USE	PERCEIVED GREAT RISK OF HARM FROM PACK OR MORE PER DAY
<u>Statewide</u>	2	1	0	54
<u>Males</u>	3	1	0	52
<u>Females</u>	2	1	0	57
<u>Wilmington</u>	3	1	0	55
<u>Males</u>	3	3	0	53
<u>Females</u>	2	0	0	57
<u>New Castle</u>	2	1	0	54
<u>Males</u>	2	1	0	52
<u>Females</u>	2	0	0	56
<u>Kent</u>	3	1	0	57
<u>Males</u>	4	1	0	53
<u>Females</u>	2	1	0	60
<u>Sussex</u>	4	1	0	50
<u>Males</u>	3	1	1	47
<u>Females</u>	4	1	0	53

Figure 3 Cigarette use among Delaware 5th graders

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Source:

["2014 Delaware School Survey." Center for Drug and Health Studies, University of Delaware.](#)

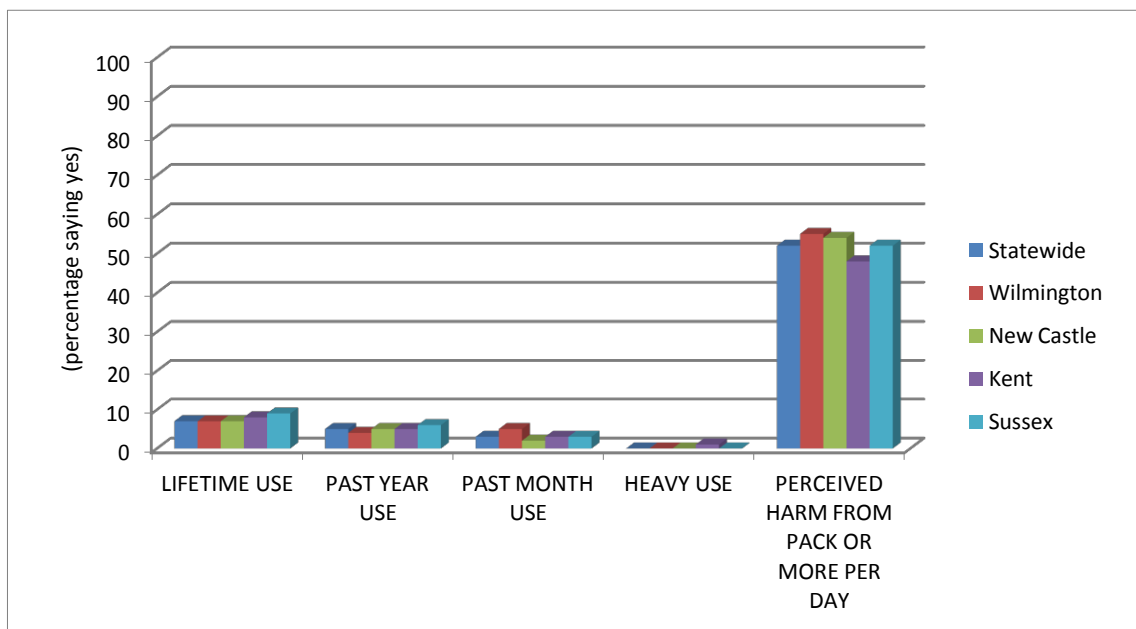
2014 DELAWARE SCHOOL SURVEY

CIGARETTE USE AMONG DELAWARE EIGHTH GRADERS

(in percentages)

	LIFETIME USE	PAST YEAR USE	PAST MONTH USE	HEAVY USE	PERCEIVED GREAT RISK OF HARM FROM PACK OR MORE A DAY
<u>Statewide</u>	7	5	3	0	52
<u>Males</u>	7	4	2	1	50
<u>Females</u>	8	6	3	0	54
<u>Wilmington</u>	7	4	5	0	55
<u>Males</u>	8	3	4	1	53
<u>Females</u>	7	5	5	0	57
<u>New Castle</u>	7	5	2	0	54
<u>Males</u>	6	4	2	1	52
<u>Females</u>	7	5	3	0	55
<u>Kent</u>	8	5	3	1	48
<u>Males</u>	6	4	3	1	47
<u>Females</u>	9	6	3	0	49
<u>Sussex</u>	9	6	3	0	52
<u>Males</u>	9	5	2	0	49
<u>Females</u>	9	6	3	0	54

Figure 4 Cigarette use among Delaware 8th Graders
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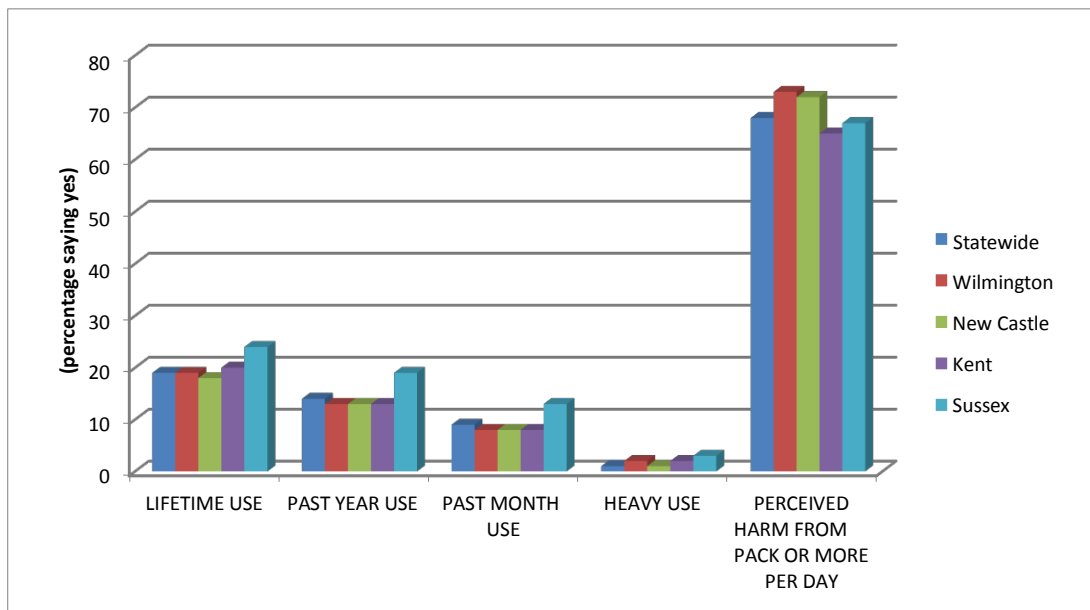
“Heavy Use” is more than one-half pack per day in last thirty days

Source: [“2014 Delaware School Survey.” Center for Drug and Health Studies, University of Delaware.](#)

2014 DELAWARE SCHOOL SURVEY
CIGARETTE USE AMONG DELAWARE ELEVENTH GRADERS
(in percentages)

	LIFETIME USE	PAST YEAR USE	PAST MONTH USE	HEAVY USE	PERCEIVED GREAT RISK OF HARM FROM PACK OR MORE PER DAY
<u>Statewide</u>	19	14	9	1	68
<u>Males</u>	21	15	10	2	67
<u>Females</u>	18	13	8	1	72
<u>Wilmington</u>	19	13	8	2	73
<u>Males</u>	20	14	9	2	71
<u>Females</u>	17	12	8	1	74
<u>New Castle</u>	18	13	8	1	72
<u>Males</u>	20	14	9	2	70
<u>Females</u>	17	12	8	1	74
<u>Kent</u>	20	13	8	2	65
<u>Males</u>	22	15	10	3	60
<u>Females</u>	18	11	4	1	69
<u>Sussex</u>	24	19	13	3	67
<u>Males</u>	27	20	14	4	63
<u>Females</u>	22	17	11	1	71

Figure 5 Cigarette use among Delaware 11th graders
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“Heavy Use” is more than one-half pack per day in last thirty days.

Source: [“2014 Delaware School Survey.” Center for Drug and Health Studies, University of Delaware.](#)

2013 YOUTH RISK BEHAVIOR SURVEY

Middle School Survey

Percentage of students who smoked cigarettes on one or more of the past 30 days

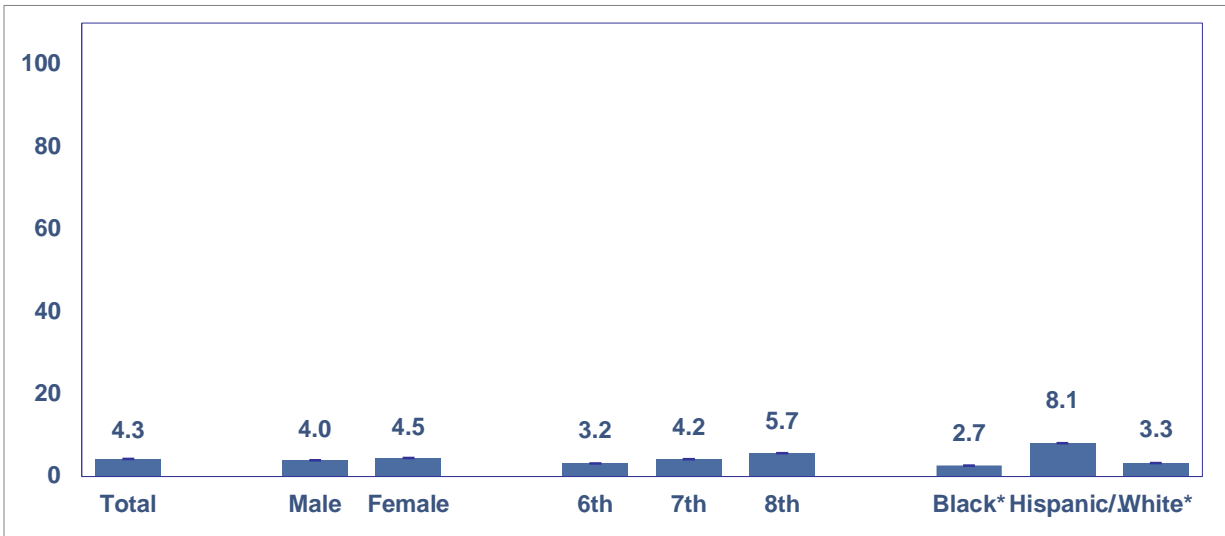


Figure 6 Percentage of students who reported smoked cigarettes in the past 30 days
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High School Survey

Percentage of students who smoked cigarettes on one or more of the past 30 days

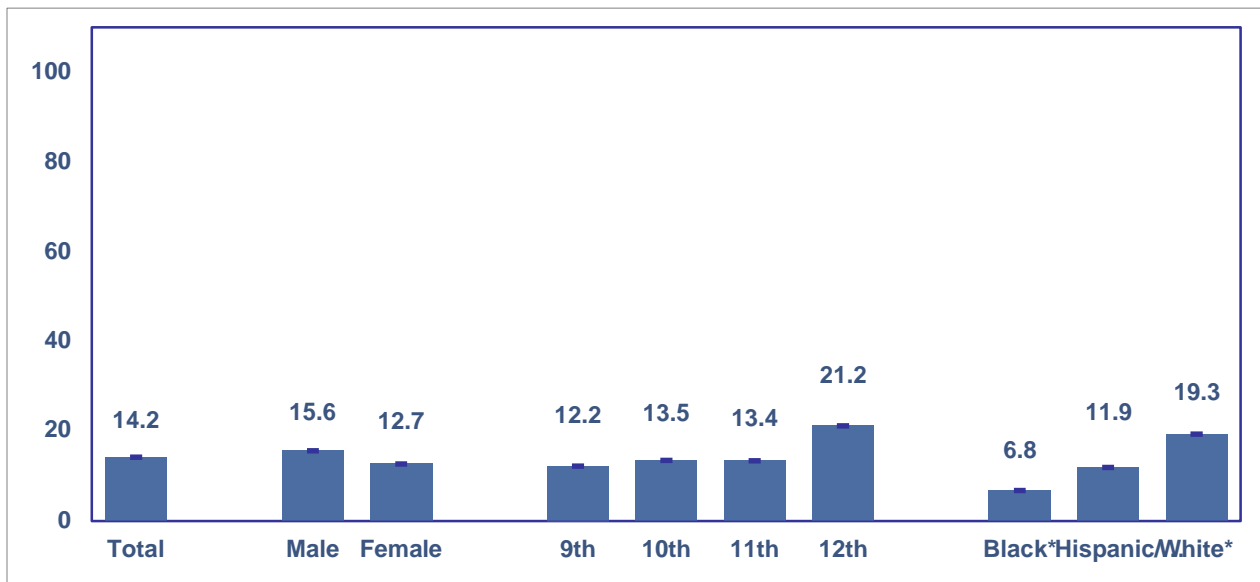


Figure 7 Percentage of high school students who reported smoking cigarettes in the past 30 days
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NOTE:

*non-Hispanic
Weighted data

Source:

[“2013 Delaware Youth Risk Behavior Survey \(YRBS\).” Centers for Disease Control and Prevention \(Administered by the Center for Drug and Health Studies, University of Delaware\).](#)

2014 DELAWARE SCHOOL SURVEY

Average Age of Onset for Tobacco Use

8 TH Grade	11 th Grade
12 years	14 years

2013 YOUTH RISK BEHAVIOR SURVEY

Percentage of students who smoked a whole cigarette for the first time before age 13 years

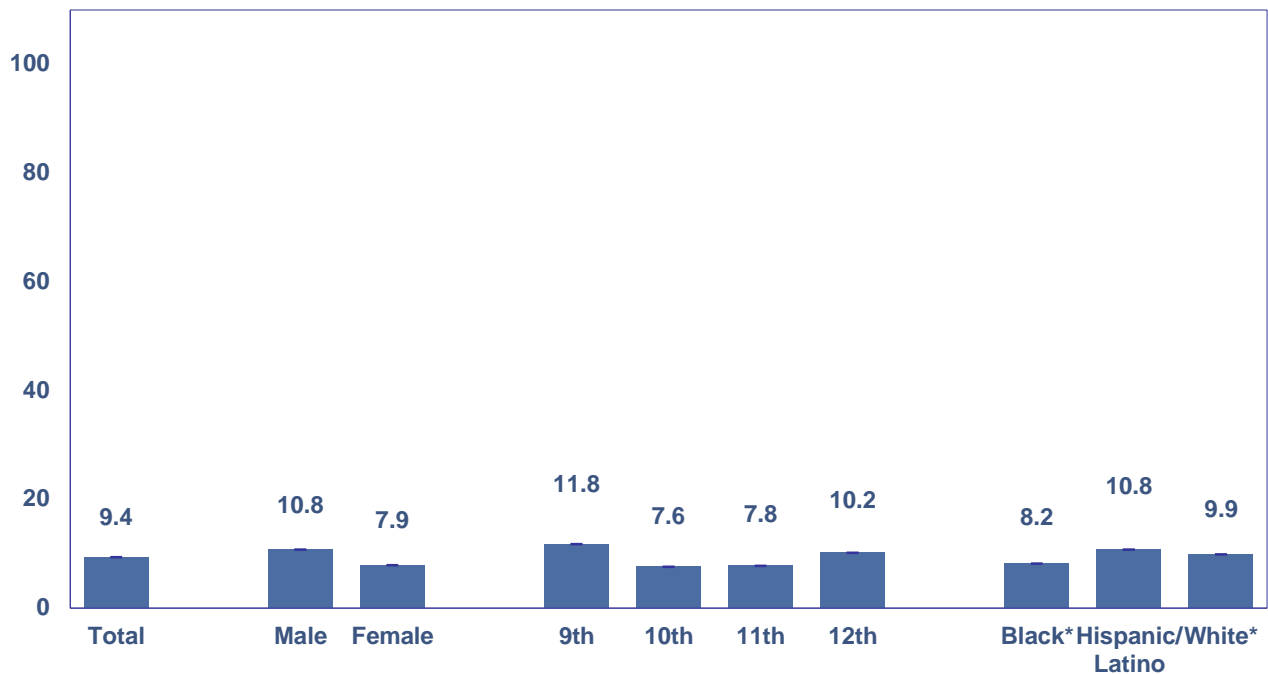


Figure 8 Percentage of students who reported smoking a whole cigarette before 13 years of age
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NOTE:

*non-Hispanic
 Weighted Data

Sources:

[“2014 Delaware School Survey.” Center for Drug and Health Studies, University of Delaware.](#)
[“2013 Delaware Youth Risk Behavior Survey \(YRBS\).” Centers for Disease Control and Prevention \(Administered by the Center for Drug and Health Studies, University of Delaware\).](#)

DELAWARE BEHAVIOR RISK FACTOR SURVEY (ADULTS)

Cigarette Smoking by Gender, 2013			
Gender	Current Smokers	Every Day Smokers	Occasional Smokers
Male	22.0% (CI = 19.5-24.6%)	15.2%	6.8%
Female	17.3% (CI = 15.3-19.4%)	11.8%	5.5%

Figure 9 Cigarette smoking by gender, adults
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Cigarette Smoking by Race/Ethnicity, 2013			
Race/Ethnicity	Current Smokers	Every Day Smokers	Occasional Smokers
Non-Hispanic White	19.0% (CI = 17.1-20.8%)	14.2%	4.8%
Non-Hispanic African American	23.0% (CI = 18.7-27.3%)	13.9%	9.1%
Hispanic/Latino	22.3% (CI = 15.4-29.2%)	10.2%	12.1%

Figure 10 Cigarette Smoking by race/ethnicity, adults
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Source:

[“2013 Delaware Adult Behavior Risk Factor Survey.” Division of Public Health, Delaware Health and Social Services.](#)

DELAWARE BEHAVIOR RISK FACTOR SURVEY (ADULTS)

Cigarette Smoking by Education, 2013			
Educational Level	Current Smokers	Every Day Smokers	Occasional Smokers
Less Than High School	30.5% (CI = 24.3-36.7%)	21.0%	9.5%
High School / G.E.D.	26.4% (CI = 23.1-29.6%)	18.3%	8.0%
Some Post-H.S.	18.6% (CI = 15.9-21.3%)	12.6%	6.0%
College Graduate	7.1% (CI = 5.6-8.6%)	4.8%	2.3%

Figure 11 Cigarette smoking by education, adults
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Source:

[“2013 Delaware Behavior Risk Factor Surveillance Survey.” Division of Public Health, Delaware Health and Social Services.](#)

DELAWARE BEHAVIOR RISK FACTOR SURVEY (ADULTS)

Cigarette Smoking by Age, 2013			
Age Group	Current Smokers	Every Day Smokers	Occasional Smokers
18 - 24	20.1% (CI = 14.3-25.9%)	13.2%	6.8%
25 - 34	27.0% (CI = 21.6-32.5%)	17.1%	10.0%
35 - 44	21.5% (CI = 17.5-25.6%)	14.0%	7.5%
45 - 54	24.2% (CI = 20.6-27.9%)	18.2%	6.0%
55 - 64	18.4% (CI = 15.5-21.3%)	14.0%	4.4%
65 and Older	8.4% (CI = 6.8-10.1%)	5.4%	3.0%

Figure 12 Cigarette smoking by age, adults
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Source:

[“2013 Delaware Behavior Risk Factor Surveillance Survey.” Division of Public Health, Delaware Health and Social Services.](#)

B. Tobacco Trends and Comparisons to U.S. and Region

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DELAWARE SCHOOL SURVEY

TRENDS IN DELAWARE STUDENTS' CIGARETTE USE BY GRADE SELF-REPORTED REGULAR USE, 1989-PRESENT

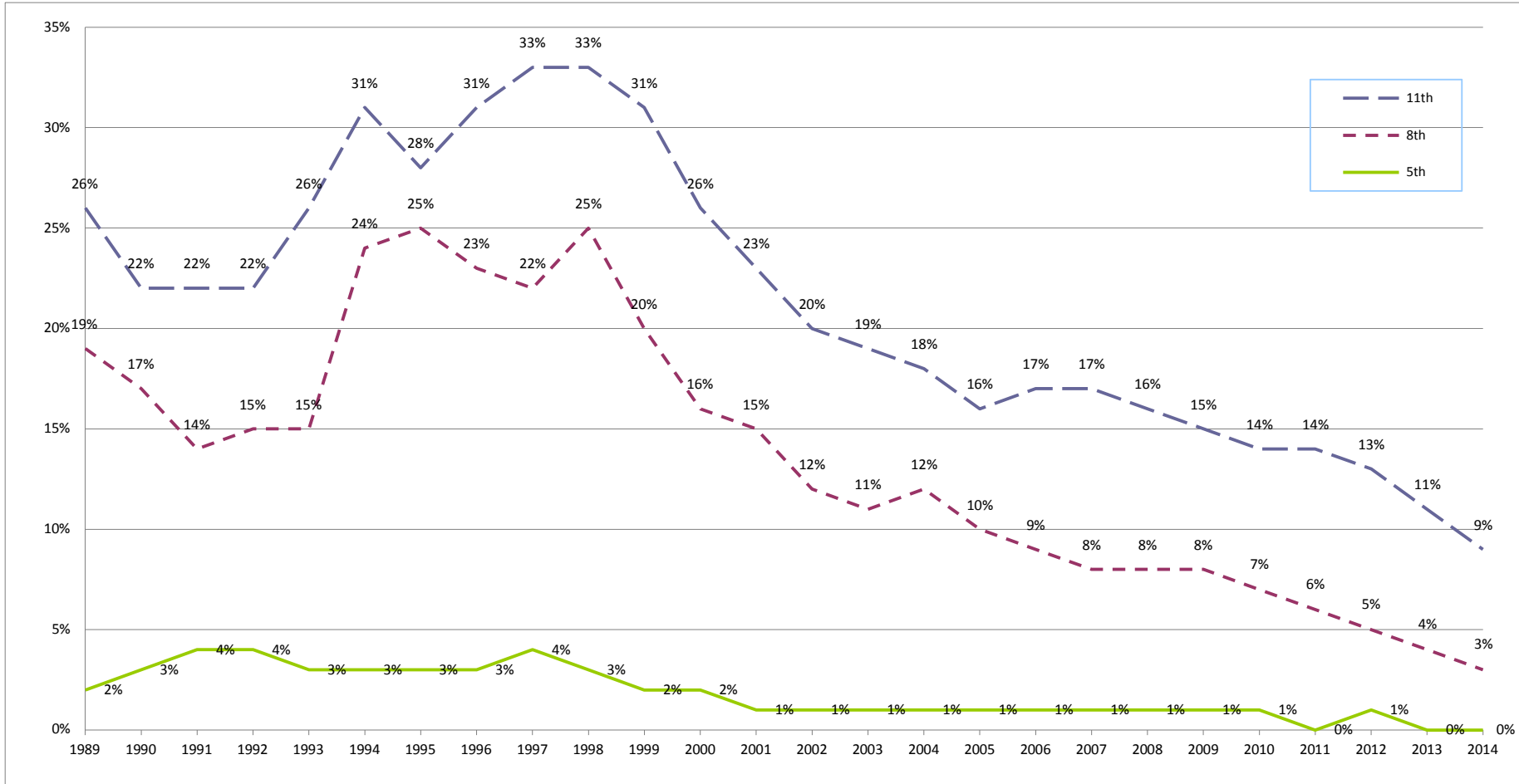


Figure 13 Trends in Delaware Students' who reported regular cigarette use by grade; 1989- Present

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“Regular use” is defined as reports of about once a month or more often

Source:

Data Base/DiagnosticsPlus (1989-1993); Department of Public Instruction (1994)

[“2014 Delaware School Survey.” Center for Drug and Health Studies, University of Delaware.](#) (1995- present)

NATIONAL SURVEY ON DRUG USE AND HEALTH (NSDUH)
Tobacco Product Use in Past Month, by Age Group and State: 2011-2012 and 2012-2013
NSDUHs
(in percentages)

State	12 or Older			AGE GROUP (Years)								
				12-17			18-25			26 or Older		
	2011-2012	2012-2013	<i>p</i> value	2011-2012	2012-2013	<i>p</i> value	2011-2012	2012-2013	<i>p</i> value	2011-2012	2012-2013	<i>p</i> value
Total U.S.	26.60 ^c	26.10	.026	9.30 ^c	8.24	.000	38.75 ^c	37.55	.000	26.67	26.34	.237
Northeast	25.62 ^c	24.64	.009	9.46 ^c	8.14	.000	38.04 ^c	36.74	.021	25.42 ^c	24.50	.053
Delaware	28.04	28.22	.863	10.07	8.94	.165	40.16	39.71	.780	28.06	28.46	.767
Maryland	23.39	22.07	.167	7.53	6.64	.167	36.29	35.13	.448	23.17	21.76	.226
New Jersey	23.33 ^c	20.40	.004	8.71 ^c	6.75	.011	36.81 ^c	33.13	.017	23.08 ^c	20.12	.020
Pennsylvania	30.00	29.71	.644	11.40	10.68	.216	43.23	43.51	.785	29.92	29.57	.657

Figure 14 Tobacco product use in past month by age group and state
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Cigarette Use in Past Month, by Age Group and State: 2011-2012 and 2012-2013
NSDUHs^a
(in percentages)

State	12 or Older			AGE GROUP (Years)								
				12-17			18-25			26 or Older		
	2011-2012	2012-2013	<i>p</i> value ^b	2011-2012	2012-2013	<i>p</i> value ^b	2011-2012	2012-2013	<i>p</i> value ^b	2011-2012	2012-2013	<i>p</i> value ^b
Total U.S.	22.09 ^d	21.69	.064	7.16 ^c	6.08	.000	32.65 ^c	31.23	.000	22.13	21.97	.554
Northeast	21.17 ^c	20.22	.009	7.05 ^c	5.86	.000	32.37 ^c	30.59	.002	20.94 ^d	20.13	.082
Delaware	23.71	23.21	.649	7.68	6.85	.233	36.05	34.10	.219	23.47	23.22	.855
Maryland	19.10	18.24	.350	5.69	5.05	.202	30.26	27.96	.118	18.87	18.21	.561
New Jersey	19.96 ^c	17.13	.007	6.74 ^c	5.12	.011	32.78 ^c	28.43	.003	19.64 ^c	16.86	.032
Pennsylvania	24.26	24.05	.729	8.83 ^c	7.61	.009	35.58	35.83	.807	24.14	23.96	.810

Figure 15 Cigarette use in past month by age group and state
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NOTE:

^a Estimates are based on a survey-weighted hierarchical Bayes estimation approach.

^b *p* value: Bayes posterior probability of no change.

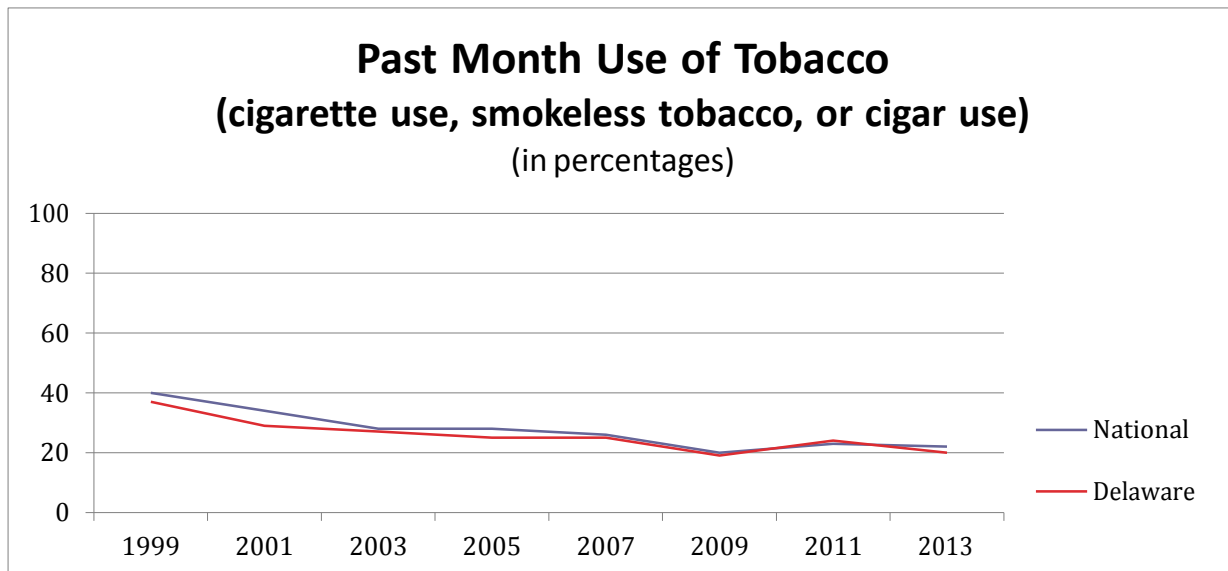
^c Difference between the 2011-2012 estimate and the 2012-2013 estimate is statistically significant at the 0.05 level.

^d Difference between the 2011-2012 estimate and the 2012-2013 estimate is statistically significant at the 0.10 level.

Source:

["2013 National Survey on Drug Use and Health." Center for Behavioral Health Statistics and Quality, Substance Abuse and Mental Health Services Administration](#)

YOUTH RISK BEHAVIOR SURVEY—NATIONAL AND DELAWARE



Year	National	Delaware
1999	40	37
2001	34	29
2003	28	27
2005	28	25
2007	26	25
2009	20	19
2011	23	24
2013	22	20

Figure 16 Past month use of tobacco, Delaware and National
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Sources:

[“Delaware Youth Risk Behavior Survey \(YRBS\).” Centers for Disease Control and Prevention \(Administered by the Center for Drug and Health Studies, University of Delaware\).](#) (1999-2013)

[“National High School Youth Risk Behavior Survey.” Center for Disease Control and Prevention.](#) (1999-2013)

NATIONAL SURVEY ON DRUG USE AND HEALTH (NSDUH)

Percentage of Respondents Reporting Cigarette Use in Past Month, U.S. & Delaware

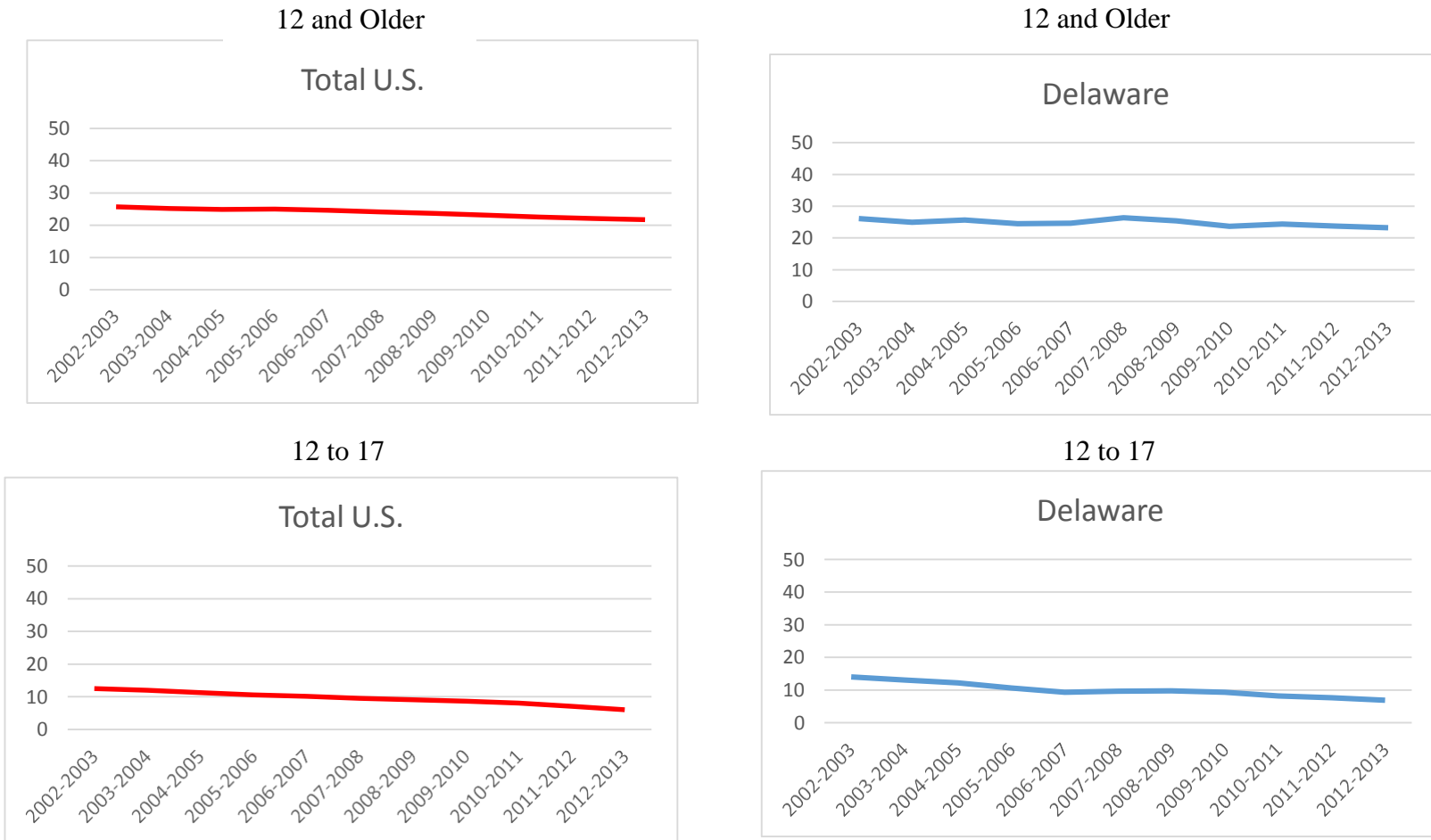


Figure 17 Percentage of respondents reporting cigarette use in past month, Delaware and US
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Sources:

[“Delaware Youth Risk Behavior Survey \(YRBS\).” Centers for Disease Control and Prevention \(Administered by the Center for Drug and Health Studies, University of Delaware\).](#) (1999-2013)

[“National High School Youth Risk Behavior Survey.” Center for Disease Control and Prevention.](#) (1999-2013)

DELAWARE SCHOOL SURVEY, YOUTH RISK BEHAVIOR SURVEY AND MONITORING THE FUTURE

COMPARISON OF RECENT NATIONAL AND DELAWARE ESTIMATES OF CIGARETTE USE AMONG HIGH SCHOOL STUDENTS (Percentages)

	Cigarettes	
	Past Year	Past Month
2014 11 th Grade Delaware	14	9
	18	11
2012 11 th Grade Delaware	21	13
2013 9 th -12 th Grade YRBS Delaware	--	16
2011 9 th -12 th Grade YRBS Delaware	--	19
2012 12 th Grade MTF	--	17
2010 12 th Grade MTF	--	19

Figure 18 Comparison of recent estimates of cigarette use among high school students, Delaware and National
[Back to table of figures](#)

NOTE:

--Not Available

Sources:

[“Delaware School Survey.” Center for Drug and Health Studies, University of Delaware.](#) (2011- Present)

[“Delaware Youth Risk Behavior Survey \(YRBS\).” Centers for Disease Control and Prevention \(Administered by the Center for Drug and Health Studies, University of Delaware\).](#) (2011-2013)

[“In School Surveys, Tobacco Press Release.” Monitoring the Future Study \(MTF\), University of Michigan.](#) (2010-2012)

Alcohol

A. Alcohol Prevalence Indicators

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NATIONAL SURVEY ON DRUG USE AND HEALTH (NSDUH)

Alcohol use in Delaware, by Age Group: Percentages, Annual Averages Based on 2012-2013 NSDUHs^a

Measure	Total 12 or Older	AGE GROUP		
		12-17	18-25	26 or Older
ALCOHOL				
Past Month Alcohol Use	55.05	11.73	61.99	58.78
Past Month Binge Alcohol Use ^b	22.38	6.12	40.75	21.12
Perceived Great Risk of Drinking 5 or More Drinks Once or Twice a Week	40.95	39.50	34.39	42.23
Past Month Alcohol Use (Persons Aged 12 to 20)	23.65	--	--	--
Past Month Binge Alcohol Use (Persons Aged 12 to 20) ^c	14.39	--	--	--

Figure 19 Alcohol use in Delaware, by age group
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NOTE:

--Not available.

^a Estimates are based on a survey-weighted hierarchical Bayes estimation approach.

^b Binge Alcohol Use is defined as drinking five or more drinks on the same occasion (i.e., at the same time or within a couple of hours of each other) on at least 1 day in the past 30 days.

^c Underage drinking is defined for persons aged 12 to 20; therefore, the "Total" estimate reflects that age group and not persons 12 or older.

Source:

["2013 National Survey on Drug Use and Health." Center for Behavioral Health Statistics and Quality, Substance Abuse and Mental Health Services Administration](#)

2014 DELAWARE SCHOOL SURVEY

ALCOHOL USE AMONG DELAWARE FIFTH GRADERS

(in percentages)

	LIFETIME USE	PAST YEAR USE	PAST MONTH USE	PERCEIVED GREAT RISK OF HARM	
				TRYING	DAILY USE
<u>Statewide</u>	9	2	1	14	43
<u>Males</u>	11	3	1	14	40
<u>Females</u>	9	2	0	15	45
<u>Wilmington</u>	8	2	1	14	40
<u>Males</u>	10	3	0	14	35
<u>Females</u>	7	2	0	14	44
<u>New Castle</u>	9	2	0	14	43
<u>Males</u>	10	3	1	14	41
<u>Females</u>	7	2	0	14	45
<u>Kent</u>	13	3	1	15	45
<u>Males</u>	16	4	1	15	43
<u>Females</u>	10	2	0	15	47
<u>Sussex</u>	8	3	1	15	41
<u>Males</u>	8	2	1	15	38
<u>Females</u>	8	3	1	15	43

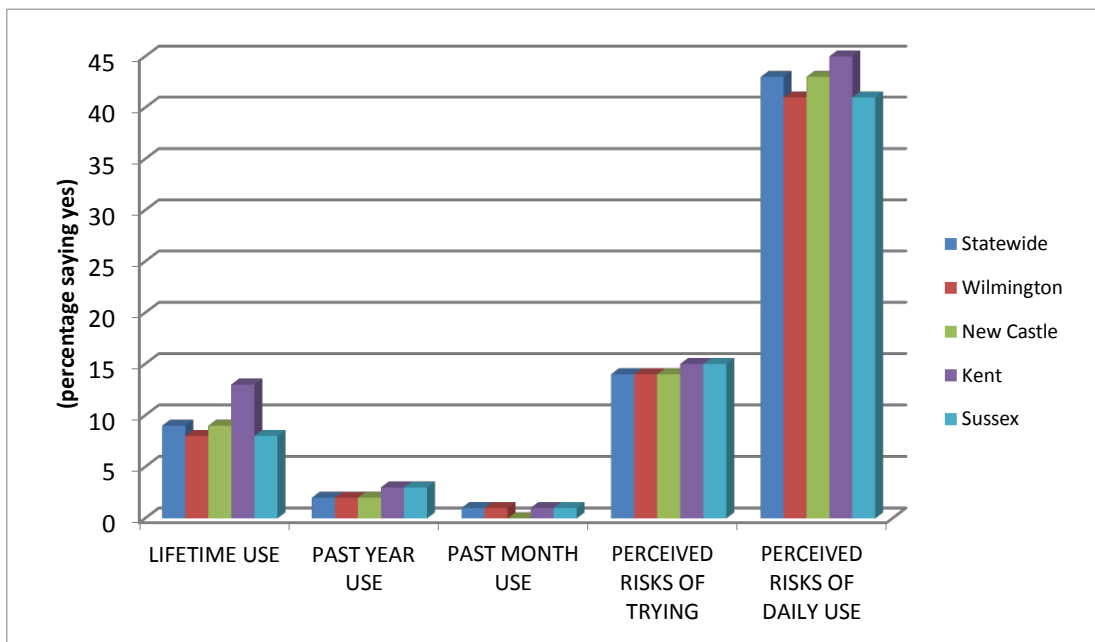


Figure 20 Alcohol use among Delaware 5th graders

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Source:

[“2014 Delaware School Survey.” Center for Drug and Health Studies, University of Delaware.](#)

2014 DELAWARE SCHOOL SURVEY

ALCOHOL USE AMONG DELAWARE EIGHTH GRADERS

(in percentages)

	LIFETIME USE	PAST YEAR USE	PAST MONTH USE	BINGE USE	PERCEIVED GREAT RISK OF HARM FROM:	
					DAILY USE	BINGE USE
<u>Statewide</u>	34	26	13	5	32	47
<u>Males</u>	31	23	11	5	30	45
<u>Females</u>	37	29	14	6	34	48
<u>Wilmington</u>	33	25	12	5	34	50
<u>Males</u>	30	22	11	5	32	48
<u>Females</u>	36	27	14	6	35	51
<u>New Castle</u>	33	25	13	5	33	49
<u>Males</u>	30	22	11	5	31	47
<u>Females</u>	36	28	15	6	35	50
<u>Kent</u>	35	27	13	5	29	44
<u>Males</u>	30	22	11	5	29	44
<u>Females</u>	40	31	15	5	31	43
<u>Sussex</u>	34	26	12	6	30	43
<u>Males</u>	32	24	12	6	27	41
<u>Females</u>	35	28	11	6	33	45

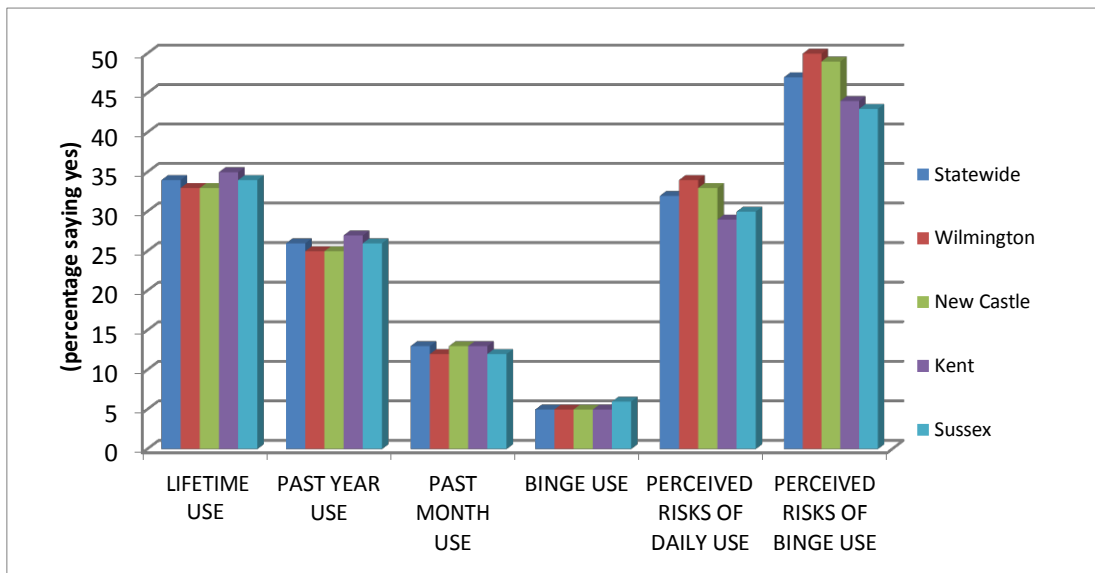


Figure 21 Alcohol use among Delaware 8th graders

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“Binge Use” is defined as three drinks at a time in the last two weeks.

Source:

“2014 Delaware School Survey.” Center for Drug and Health Studies, University of Delaware.

2014 DELAWARE SCHOOL SURVEY

ALCOHOL USE AMONG DELAWARE ELEVENTH GRADERS

(in percentages)

	LIFETIME USE	PAST YEAR USE	PAST MONTH USE	BINGE USE	PERCEIVED GREAT RISK OF HARM FROM:	
					DAILY USE	BINGE USE
<u>Statewide</u>	65	57	31	17	38	52
<u>Males</u>	64	55	32	18	33	46
<u>Females</u>	66	58	31	16	43	57
<u>Wilmington</u>	64	56	31	17	40	50
<u>Males</u>	63	54	32	18	35	48
<u>Females</u>	65	57	30	16	44	51
<u>New Castle</u>	65	56	31	17	39	56
<u>Males</u>	63	54	31	18	34	50
<u>Females</u>	66	58	31	16	44	61
<u>Kent</u>	65	55	30	18	34	50
<u>Males</u>	65	54	30	18	29	45
<u>Females</u>	65	56	29	18	40	55
<u>Sussex</u>	67	59	34	18	35	49
<u>Males</u>	68	59	35	20	29	42
<u>Females</u>	68	59	32	16	41	55

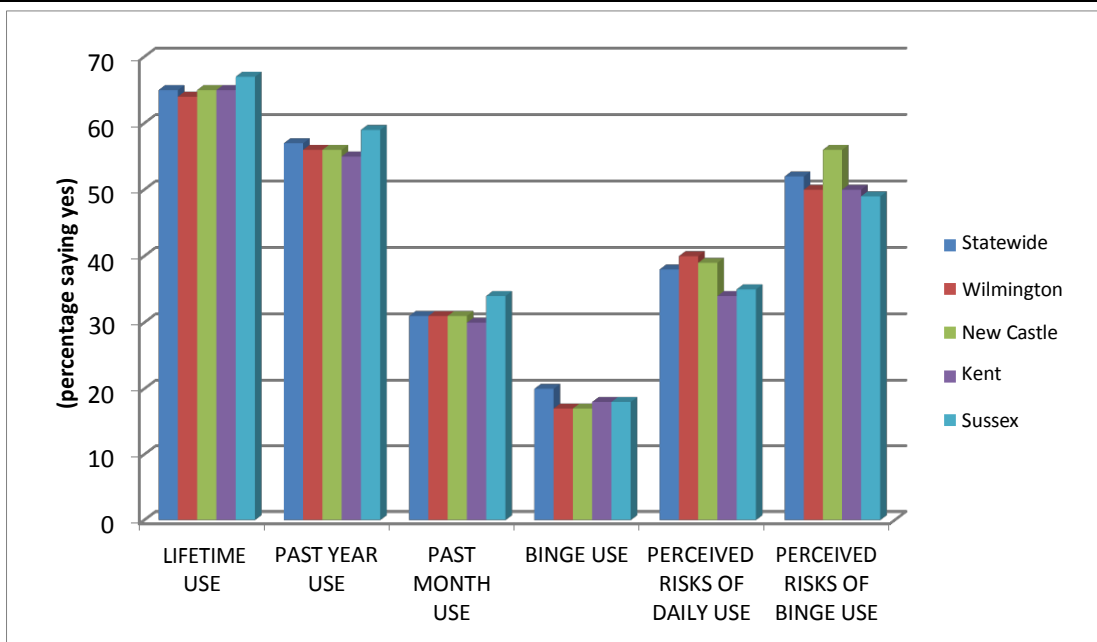


Figure 22 Alcohol use among Delaware 11th graders
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“Binge Use” is defined as three drinks at a time in the last two weeks.

Source: [“2014 Delaware School Survey.” Center for Drug and Health Studies, University of Delaware.](#)

2013 Youth Risk Behavior Survey
Percentage of high school students who had at least one
drink of alcohol on one or more of the past 30 days

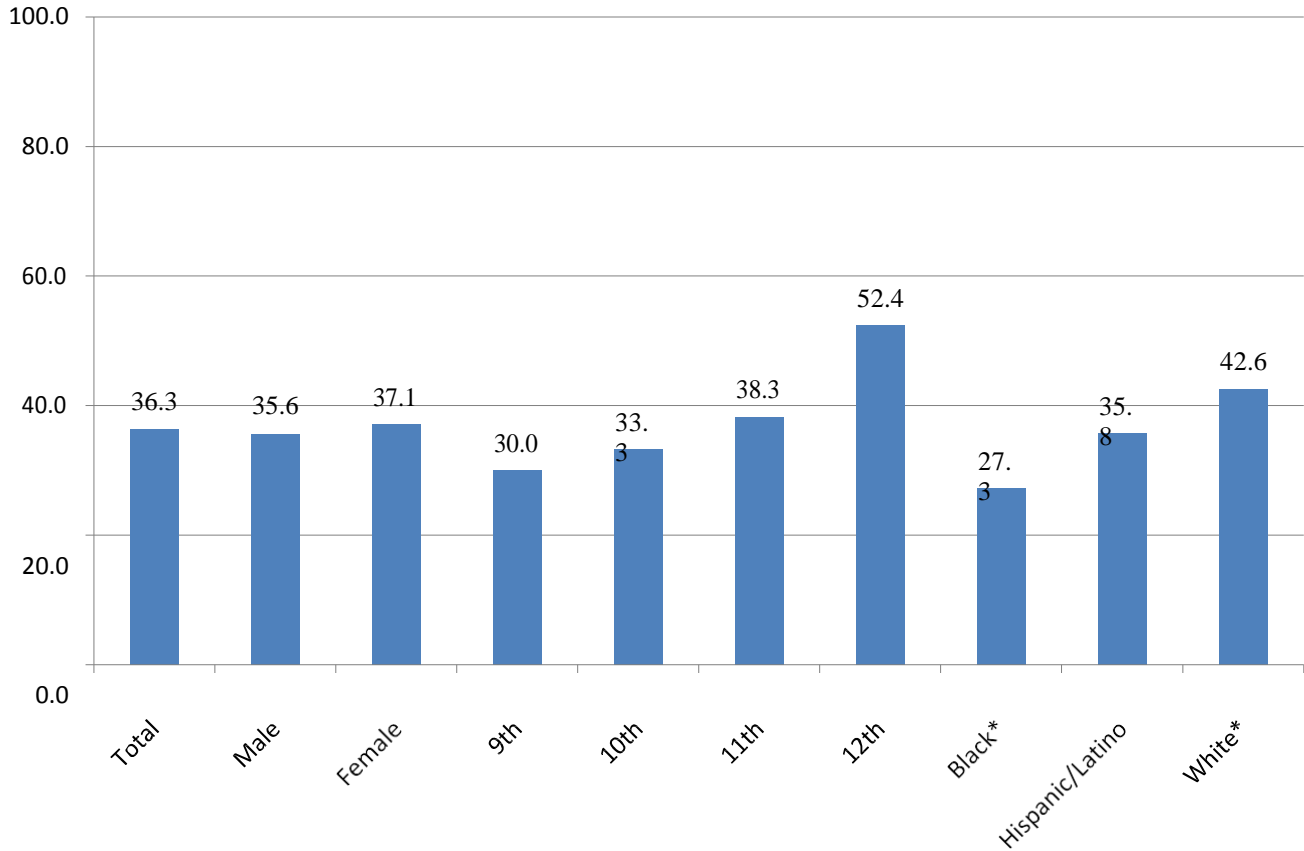


Figure 23 Percentage of high school students who had at least one drink of alcohol on one or more days in the past 30 days
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NOTE:
 *non-Hispanic
 Weighted data

Source:
[“Delaware Youth Risk Behavior Survey \(YRBS\).” Centers for Disease Control and Prevention \(Administered by the Center for Drug and Health Studies, University of Delaware\).](#)

2013 Youth Risk Behaviour Survey
Percentage of high school students who had five or more drinks of alcohol in a row, that is, within a couple of hours, on one or more of the past 30 days

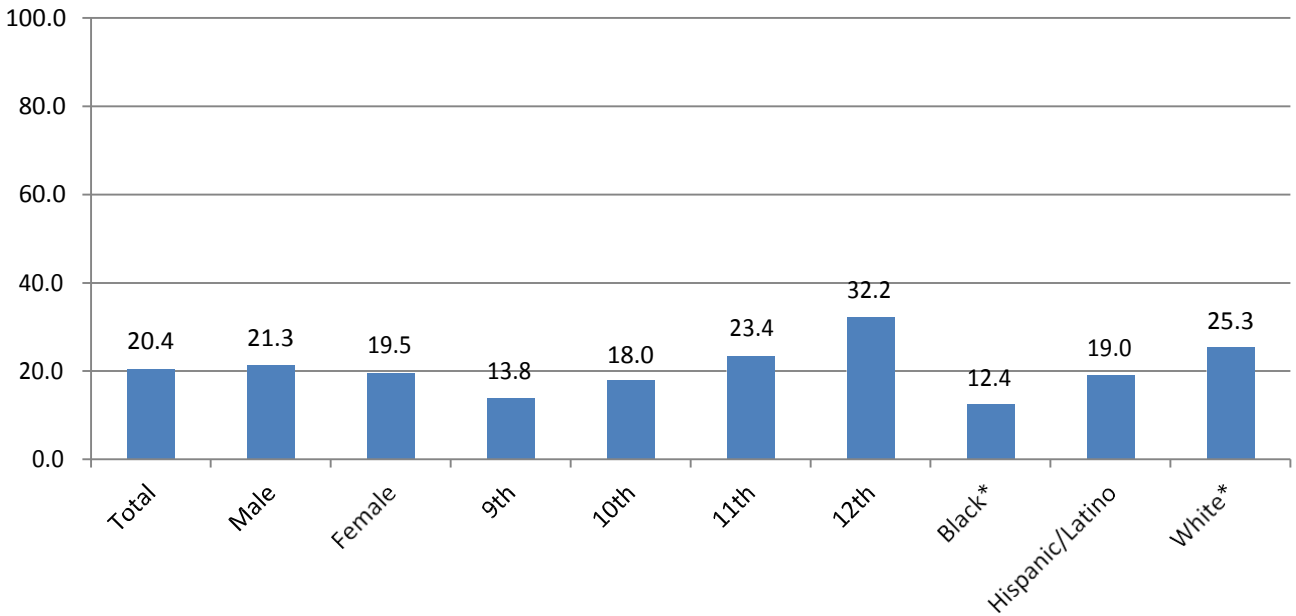


Figure 24 Percentage of high school students binge drink one or more of the past 30 days
[Back to table of figures](#)

NOTE:

*non-Hispanic weighted data;

Source:

[“Delaware Youth Risk Behavior Survey \(YRBS\).” Centers for Disease Control and Prevention \(Administered by the Center for Drug and Health Studies, University of Delaware\).](#)

2014 DELAWARE SCHOOL SURVEY

Average Age of Onset for Alcohol Use

8TH Grade	11th Grade
12.0 years	14.4 years

Figure 25 Average age of onset of alcohol use
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Source:

["2014 Delaware School Survey." Center for Drug and Health Studies, University of Delaware.](#)

BEHAVIOR RISK FACTOR SURVEY (BRFS)

Statewide and Sub-state Estimates of Binge Drinking for Delaware Adults from the 2011 Delaware Behavior Risk Factor Surveillance System

Acute or "Binge" Drinking [5+ (males) or 4+ (females) Drinks at One Occasion]				
Statewide	Wilmington	Suburban N.C.	Kent	Sussex
20.3%	23.6%	23.3%	16.2%	17.3%

Figure 26 State and sub-state estimates of binge drinking for Delaware adults
[Back to table of figures](#)

Source:

["2011 Behavior Risk Factor Surveillance System \(BRFSS\)." Division of Public Health, Delaware Health and Social Services.](#)

B. Alcohol Trends and Comparisons to U.S. and Region

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DELAWARE SCHOOL SURVEY

TRENDS IN DELAWARE STUDENTS' ALCOHOL USE BY GRADE SELF REPORTED REGULAR USE, 1989-PRESENT

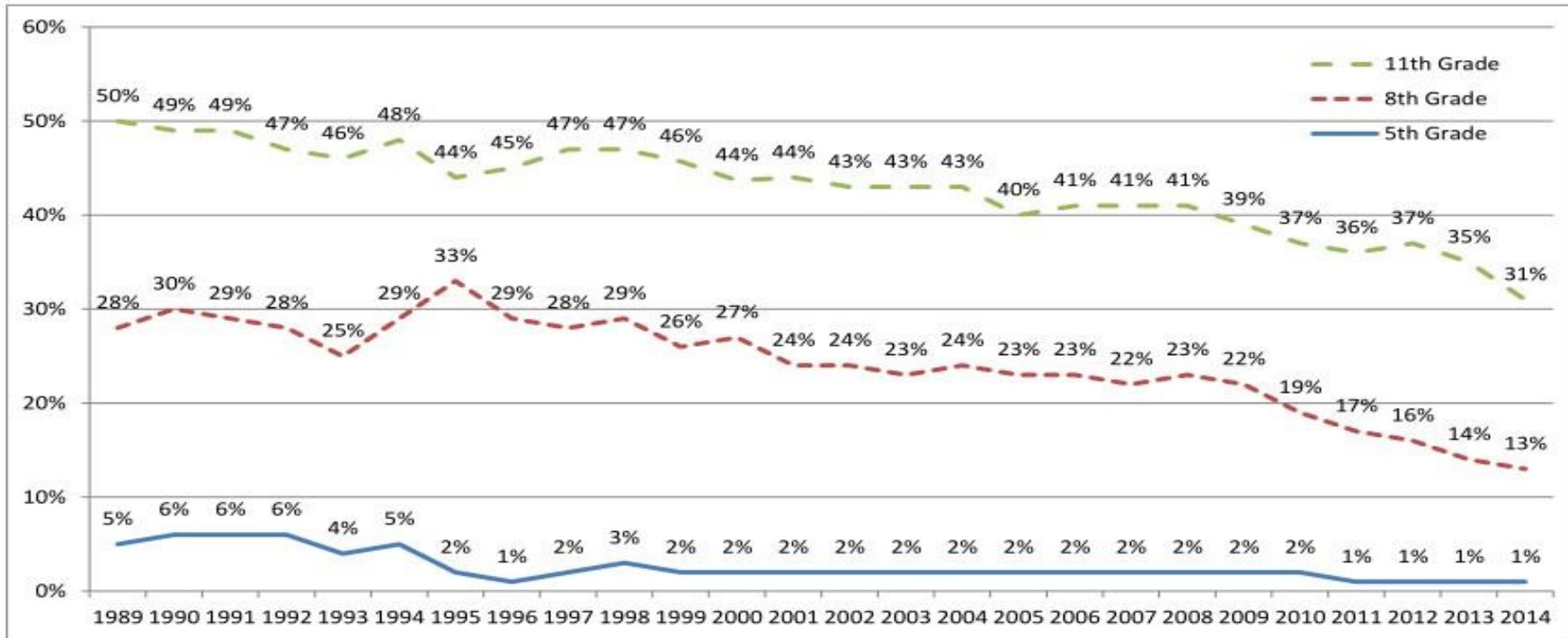


Figure 27 Trends in Delaware students' alcohol use by grade, 1989-present

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“Regular use” is defined as reports of about once a month or more often

Source:

Data Base/DiagnosticsPlus (1989-1993); Department of Public Instruction (1994)

[“2014 Delaware School Survey.” Center for Drug and Health Studies, University of Delaware.](#)

DELAWARE SCHOOL SURVEY

TRENDS IN DELAWARE STUDENTS' BINGE ALCOHOL USE BY GRADE SELF REPORTED BINGE USE, 1989-PRESENT

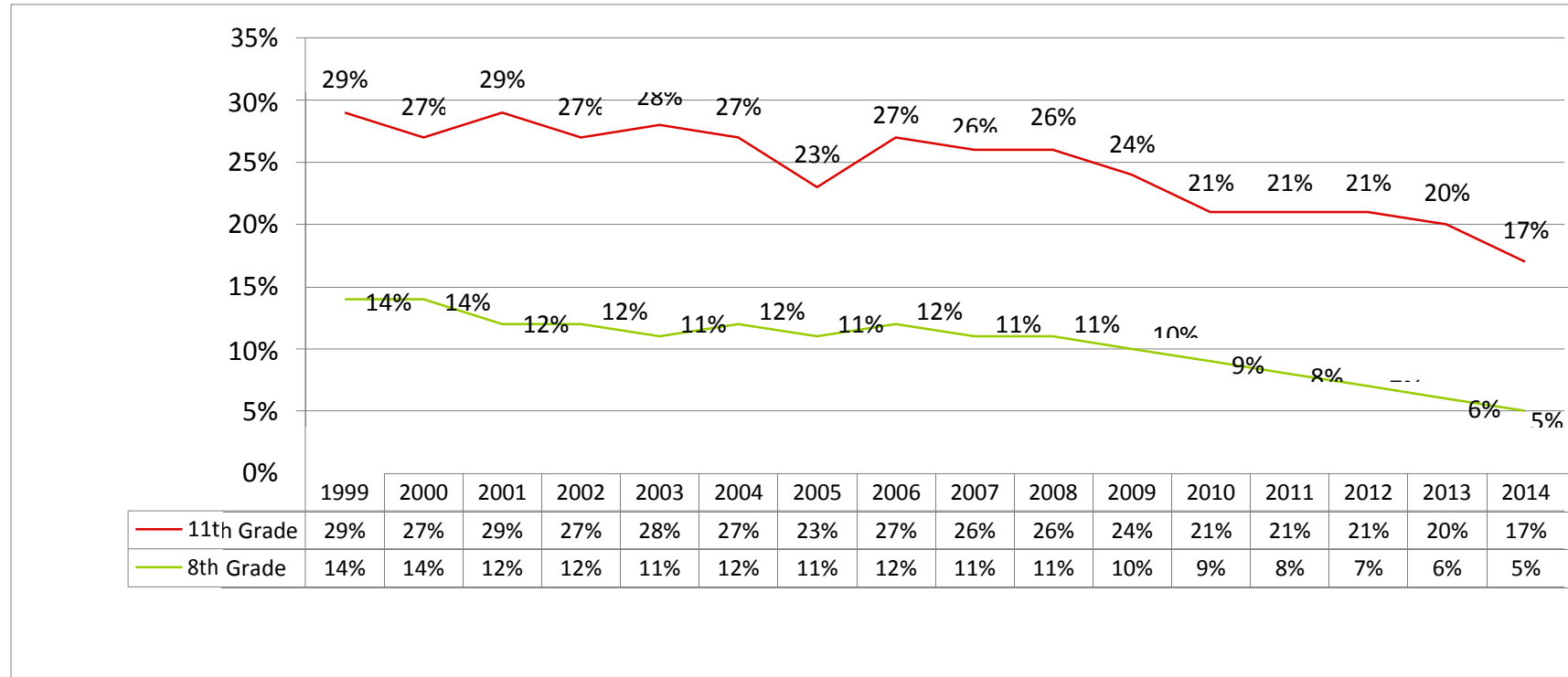


Figure 28 Trends in Delaware students' binge alcohol use by grade, 1989-present

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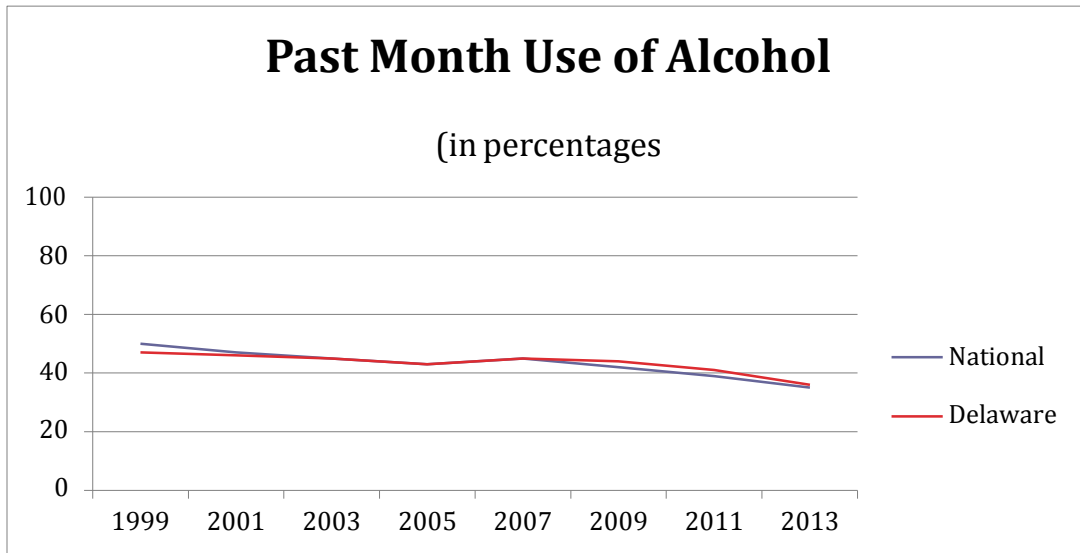
“Binge use” is defined by the Delaware School Survey as three or more drinks at a time

Source:

Data Base/DiagnosticsPlus (1989-1993); Department of Public Instruction (1994)

[“2014 Delaware School Survey.” Center for Drug and Health Studies, University of Delaware.](#) (1995- Present)

YOUTH RISK BEHAVIOR SURVEY—NATIONAL AND DELAWARE



Year	National	Delaware
1999	50	47
2001	47	46
2003	45	45
2005	43	43
2007	45	45
2009	42	44
2011	39	41
2013	35	36

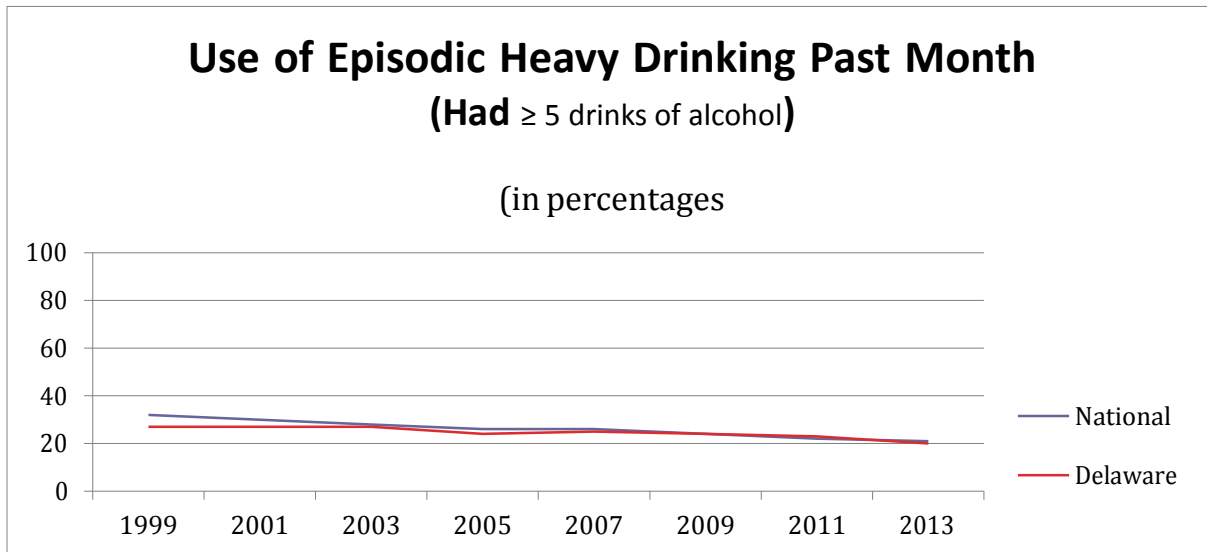
Figure 29 past month alcohol use, Delaware and National
[Back to table of figures](#)

Sources:

[“Delaware Youth Risk Behavior Survey \(YRBS\).” Centers for Disease Control and Prevention \(Administered by the Center for Drug and Health Studies, University of Delaware\).](#) (1999-2013)

[“National High School Youth Risk Behavior Survey.” Center for Disease Control and Prevention.](#) (1999-2013)

YOUTH RISK BEHAVIOR SURVEY—NATIONAL AND DELAWARE



Year	National	Delaware
1999	32	27
2001	30	27
2003	28	27
2005	26	24
2007	26	25
2009	24	24
2011	22	23
2013	21	20

Figure 30 Use of episodic heavy drinking past month, Delaware and National
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Sources:

[“Delaware Youth Risk Behavior Survey \(YRBS\).” Centers for Disease Control and Prevention \(Administered by the Center for Drug and Health Studies, University of Delaware\).](#) (1999-2013)

[“National High School Youth Risk Behavior Survey.” Center for Disease Control and Prevention.](#) (1999-2013)

NATIONAL SURVEY ON DRUG USE AND HEALTH

*Alcohol Use in Past Month, by Age Group and State: 2011-2012 and 2012-2013 NSDUHs
(in percentages)^a*

State	AGE GROUP (Years)											
	12 or Older			12-17			18-25			26 or Older		
	2011-2012	2012-2013	<i>p</i> value ^b	2011-2012	2012-2013	<i>p</i> value ^b	2011-2012	2012-2013	<i>p</i> value ^b	2011-2012	2012-2013	<i>p</i> value ^b
Total U.S.	51.94	52.13	.505	13.11 ^c	12.23	.000	60.45	59.91	.154	55.33	55.73	.270
Northeast	57.31	57.75	.343	15.81 ^c	13.92	.000	65.84 ^c	64.59	.032	60.71	61.61	.120
Delaware	52.55 ^a	55.05	.041	13.87 ^c	11.73	.027	63.73	61.99	.330	55.14 ^c	58.78	.020
Maryland	58.19	58.37	.880	14.64	13.36	.220	66.08	64.85	.450	62.16	62.67	.740
New Jersey	56.36	55.48	.502	17.47 ^c	13.64	.001	63.40 ^c	59.07	.011	60.05	59.98	.968
Pennsylvania	55.47	56.29	.251	13.45	13.09	.562	64.28	64.42	.888	58.82	59.81	.268

Figure 31 Alcohol use in past month by age group and state, 2011-2013

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NOTE:

^a Estimates are based on a survey-weighted hierarchical Bayes estimation approach.

^b *p* value: Bayes posterior probability of no change.

^c Difference between the 2011-2012 estimate and the 2012-2013 estimate is statistically significant at the 0.05 level.

^d Difference between the 2011-2012 estimate and the 2012-2013 estimate is statistically significant at the 0.10 level.

Source:

["2013 National Survey on Drug Use and Health." Center for Behavioral Health Statistics and Quality, Substance Abuse and Mental Health Services Administration](#)

NATIONAL SURVEY ON DRUG USE AND HEALTH

*Binge Alcohol Use in Past Month, by Age Group and State: 2011-2012 and 2012-2013 NSDUHs
(in percentages)^a*

State	AGE GROUP (Years)											
	12 or Older			12-17			18-25			26 or Older		
	2011-2012	2012-2013	<i>p</i> value ^b	2011-2012	2012-2013	<i>p</i> value ^b	2011-2012	2012-2013	<i>p</i> value ^b	2011-2012	2012-2013	<i>p</i> value ^b
Total U.S.	22.80	22.92	.574	7.31 ^c	6.73	.000	39.65 ^c	38.70	.011	21.83	22.21	.154
Northeast	24.64	24.31	.380	8.26 ^c	7.41	.002	44.74 ^c	43.00	.007	23.17	23.13	.919
Delaware	22.91	22.38	.585	6.81	6.12	.247	43.23	40.75	.166	21.31	21.12	.863
Maryland	23.05	23.09	.966	7.20	6.76	.464	43.18 ^d	39.38	.032	21.64	22.36	.545
New Jersey	23.45 ^d	21.55	.046	8.66 ^d	7.20	.053	45.99 ^d	40.95	.003	21.86	20.36	.185
Pennsylvania	24.81	24.96	.811	7.52	6.87	.132	43.98	43.81	.863	23.58	23.87	.705

Figure 32 Binge use in past month by age group and state, 2011-2013

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“Binge Alcohol Use” is defined as drinking five or more drinks on the same occasion
, at the same time or within a couple hours of each other) on at least 1 day in the past 30 days.

NOTE:

^a Estimates are based on a survey-weighted hierarchical Bayes estimation approach

^d *p* value: Bayes posterior probability of no change.

^c Difference between the 2011-2012 estimate and the 2012-2013 estimate is statistically significant at the 0.05 level.

^d Difference between the 2011-2012 estimate and the 2012-2013 estimate is statistically significant at the 0.10 level.

Source:

[“2013 National Survey on Drug Use and Health.” Center for Behavioral Health Statistics and Quality, Substance Abuse and Mental Health Services Administration](#)

NATIONAL SURVEY ON DRUG USE AND HEALTH (NSDUH)

Alcohol Use and Binge Alcohol Use in Past Month among Persons Aged 12 to 20, by State: 2011-2012 and 2012-2013 NSDUHs
(in percentages)^a

State	Alcohol Use in Past Month			Binge Alcohol Use in Past Month		
	2011-2012	2012-2013	<i>p</i> value ^b	2011-2012	2012-2013	<i>p</i> value ^b
Total U.S.	24.70 ^c	23.52	.000	15.55 ^c	14.75	.002
Northeast	29.18 ^c	26.68	.000	18.01 ^c	16.63	.000
Delaware	27.54 ^c	23.65	.000	16.99 ^c	14.39	.004
Maryland	24.98 ^c	22.89	.040	14.40	13.24	.138
New Jersey	28.96 ^c	23.34	.000	18.35 ^c	14.77	.000
Pennsylvania	26.99	25.97	.128	16.77	17.00	.713

Figure 33 Alcohol use and binge use in past month among persons aged 12-20 by state, 2011-2013

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“Binge Alcohol Use” is defined as drinking five or more drinks on the same occasion
(i.e., at the same time or within a couple hours of each other) on at least 1 day in the past 30 days.

NOTE:

^a Estimates are based on a survey-weighted hierarchical Bayes estimation approach.

^b *p* value: Bayes posterior probability of no change.

^c Difference between the 2011-2012 estimate and the 2012-2013 estimate is statistically significant at the 0.05 level.

^d Difference between the 2011-2012 estimate and the 2012-2013 estimate is statistically significant at the 0.10 level.

Source:

[“2013 National Survey on Drug Use and Health.” Center for Behavioral Health Statistics and Quality, Substance Abuse and Mental Health Services Administration](#)

**DELAWARE SCHOOL SURVEY, YOUTH RISK BEHAVIOR SURVEY AND
MONITORING THE FUTURE SURVEY
COMPARISON OF RECENT NATIONAL AND DELAWARE ESTIMATES OF ALCOHOL AMONG
HIGH SCHOOL STUDENTS
(Percentages)**

	Alcohol	
	Past Year	Past Month
2014 11 th Grade Delaware	57	31
2013 11 th Grade Delaware	62	35
2012 11 th Grade Delaware	63	37
2013 9 th -12 th Grade YRBS Delaware	--	38
2011 9 th -12 th Grade YRBS Delaware	--	41
2012 12 th Grade MTF	64	42
2010 12 th Grade MTF	66	43

Figure 34 Comparison of recent National and Delaware estimates of alcohol use among high school students
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NOTE:

--Not Available

Sources:

[“Delaware School Survey.” Center for Drug and Health Studies, University of Delaware.](#) (2011-Present)

[“Delaware Youth Risk Behavior Survey \(YRBS\).” Centers for Disease Control and Prevention \(Administered by the Center for Drug and Health Studies, University of Delaware\).](#) (2011-2013)

[“In School Surveys, Drug and Alcohol Press Release.” Monitoring the Future Study \(MTF\), University of Michigan.](#) (2010-2012)

Marijuana

A. Marijuana Prevalence Indicators

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NATIONAL SURVEY ON DRUG USE AND HEALTH (NSDUH)

Selected Drug Use, Perceptions of Great Risk, Average Annual Rates of First Use of Marijuana in Delaware, by Age Group: Percentages, Annual Averages Based on 2012-2013 NSDUHs^a
(in percentages)^b

Measure	Total 12 or Older	AGE GROUP		
		12-17	18-25	26 or Older
Past Year Marijuana Use	13.97	16.72	38.49	9.51
Past Month Marijuana Use	7.97	9.15	20.75	5.68
Perceived of Great Risk of Smoking Marijuana Once a Month	28.95	21.67	12.90	32.51
Average Annual Rate of First Use of Marijuana*	2.27	7.39	9.09	0.24

Figure 35 Average annual rates of first use of marijuana in Delaware by age group
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NOTE:

-- Not available

^a Estimates are based on a survey-weighted hierarchical Bayes estimation approach.

^b *Average annual rate* = $100 * \{ [X_1 \div (0.5 * X_1 + X_2)] \div 2 \}$, where X_1 is the number of marijuana initiates in past 24 months and X_2 is the number of persons who never used marijuana. Both of the computation components, X_1 and X_2 , are based on a survey-weighted hierarchical Bayes estimation approach. Note that the age group is based on a respondent's age at the time of the interview, not his or her age at first use.

Source:

["2013 National Survey on Drug Use and Health." Center for Behavioral Health Statistics and Quality, Substance Abuse and Mental Health Services Administration](#)

2014 DELAWARE SCHOOL SURVEY

MARIJUANA USE AMONG DELAWARE FIFTH GRADERS

(in percentages)

	LIFETIME USE	PAST YEAR USE	PAST MONTH USE	PERCEIVED GREAT RISK OF HARM	
				TRYING	WEEKLY USE
<u>Statewide</u>	1	0	0	27	49
<u>Males</u>	2	1	0	28	49
<u>Females</u>	1	0	0	26	50
<u>Wilmington</u>	1	0	0	26	49
<u>Males</u>	2	0	0	27	48
<u>Females</u>	1	0	0	25	49
<u>New Castle</u>	1	0	0	26	49
<u>Males</u>	2	1	0	26	48
<u>Females</u>	1	0	0	25	49
<u>Kent</u>	1	0	0	29	52
<u>Males</u>	1	0	0	30	51
<u>Females</u>	1	0	0	27	54
<u>Sussex</u>	1	1	0	28	49
<u>Males</u>	1	1	0	31	50
<u>Females</u>	2	0	0	26	48

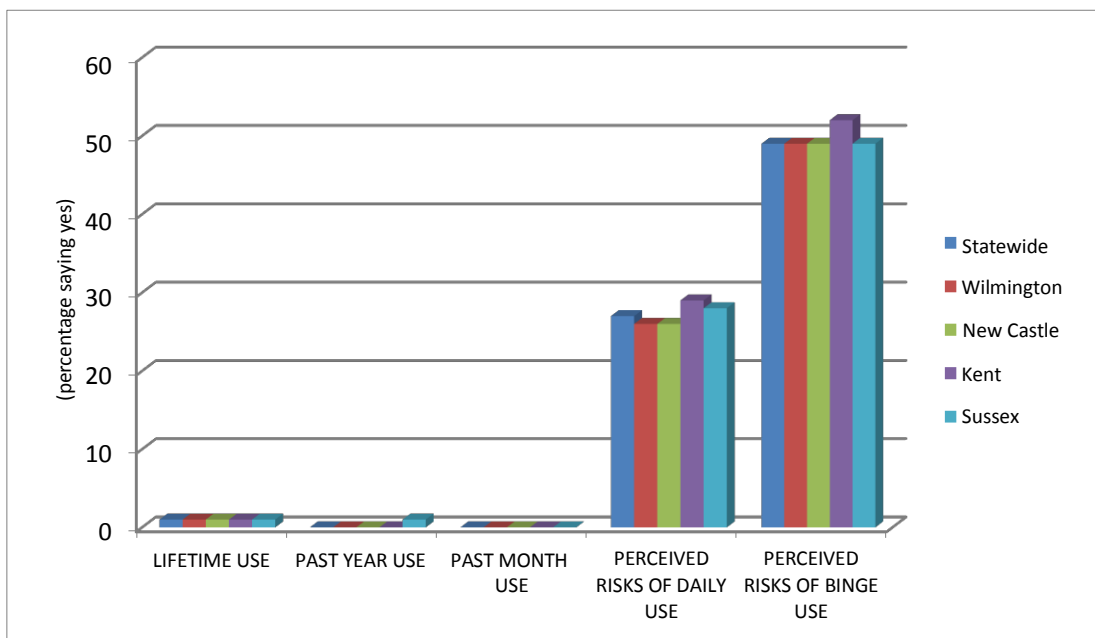


Figure 36 Marijuana use among Delaware 5th graders
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Source: ["2014 Delaware School Survey." Center for Drug and Health Studies, University of Delaware.](#)

2014 DELAWARE SCHOOL SURVEY

MARIJUANA USE AMONG DELAWARE EIGHTH GRADERS (in percentages)

	LIFETIME USE	PAST YEAR USE	PAST MONTH USE	HEAVY USE	PERCEIVED GREAT RISK OF HARM FROM:	
					TRYING	WEEKLY USE
<u>Statewide</u>	16	12	9	4	15	50
<u>Males</u>	16	12	9	4	17	47
<u>Females</u>	16	13	8	3	14	53
<u>Wilmington</u>	15	12	9	4	16	52
<u>Males</u>	16	12	9	5	18	49
<u>Females</u>	15	12	8	3	15	52
<u>New Castle</u>	16	13	9	4	16	51
<u>Males</u>	17	13	10	5	17	47
<u>Females</u>	16	13	9	3	14	54
<u>Kent</u>	16	13	9	4	16	50
<u>Males</u>	15	12	9	4	18	49
<u>Females</u>	16	14	9	4	14	51
<u>Sussex</u>	15	11	7	3	13	49
<u>Males</u>	15	10	7	3	14	46
<u>Females</u>	14	11	7	4	13	52

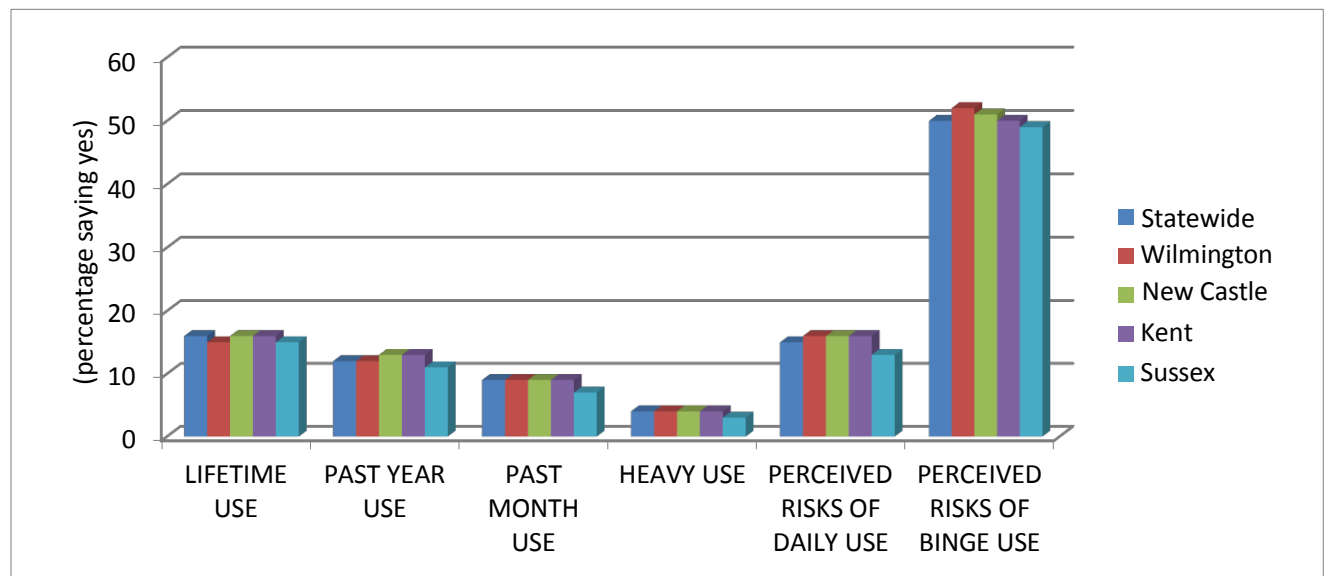


Figure 37 Marijuana use among Delaware 8th graders

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“Heavy Use” indicates more than six times in the past month.

Source:

[“2014 Delaware School Survey.” Center for Drug and Health Studies, University of Delaware.](#)

2014 DELAWARE SCHOOL SURVEY

MARIJUANA USE AMONG DELAWARE ELEVENTH GRADERS (in percentages)

	LIFETIME USE	PAST YEAR USE	PAST MONTH USE	HEAVY USE	PERCEIVED GREAT RISK OF HARM FROM:	
					TRYING	WEEKLY USE
<u>Statewide</u>	42	34	23	11	10	37
<u>Males</u>	43	35	25	15	10	30
<u>Females</u>	41	34	22	8	10	43
<u>Wilmington</u>	42	34	23	11	11	38
<u>Males</u>	43	35	25	14	8	33
<u>Females</u>	40	32	21	8	9	42
<u>New Castle</u>	43	35	24	11	10	37
<u>Males</u>	44	36	25	14	9	30
<u>Females</u>	41	34	22	8	11	44
<u>Kent</u>	41	32	20	9	11	37
<u>Males</u>	41	31	21	12	14	33
<u>Females</u>	39	33	19	6	8	40
<u>Sussex</u>	42	36	26	14	11	37
<u>Males</u>	42	35	27	17	11	29
<u>Females</u>	42	36	25	11	12	45

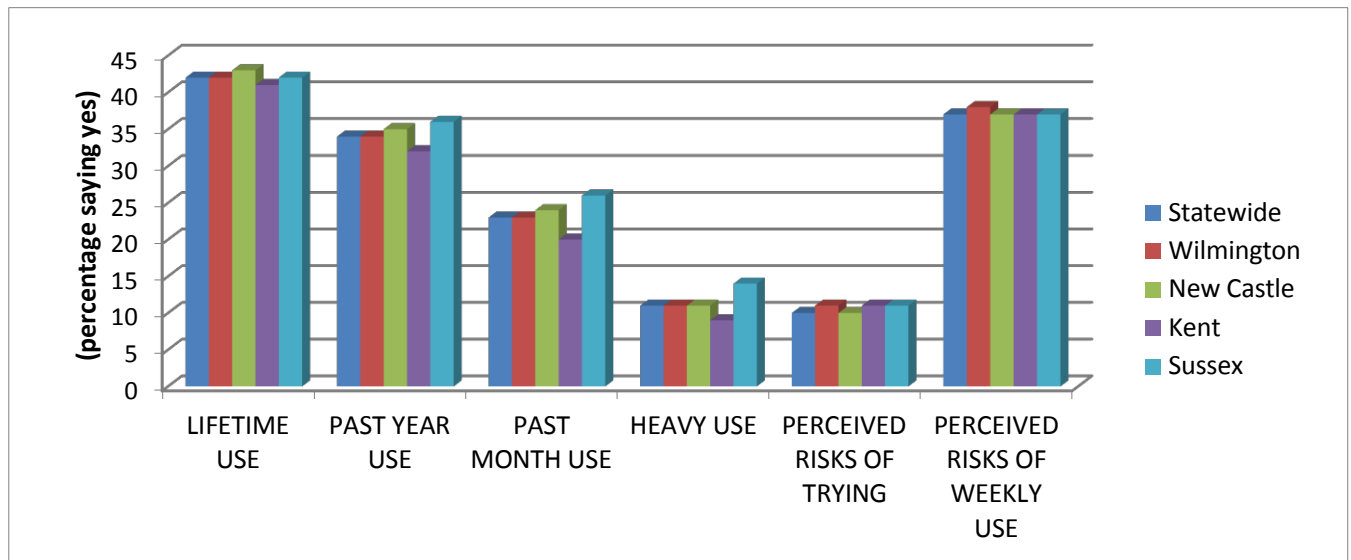


Figure 38 Marijuana use among Delaware 11th graders
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“Heavy Use” indicates more than six times in the past month.

Source:

[“2014 Delaware School Survey.” Center for Drug and Health Studies, University of](#)

2013 YOUTH RISK BEHAVIOR SURVEY

Percentage of high school students who used marijuana one or more times during the past 30 days

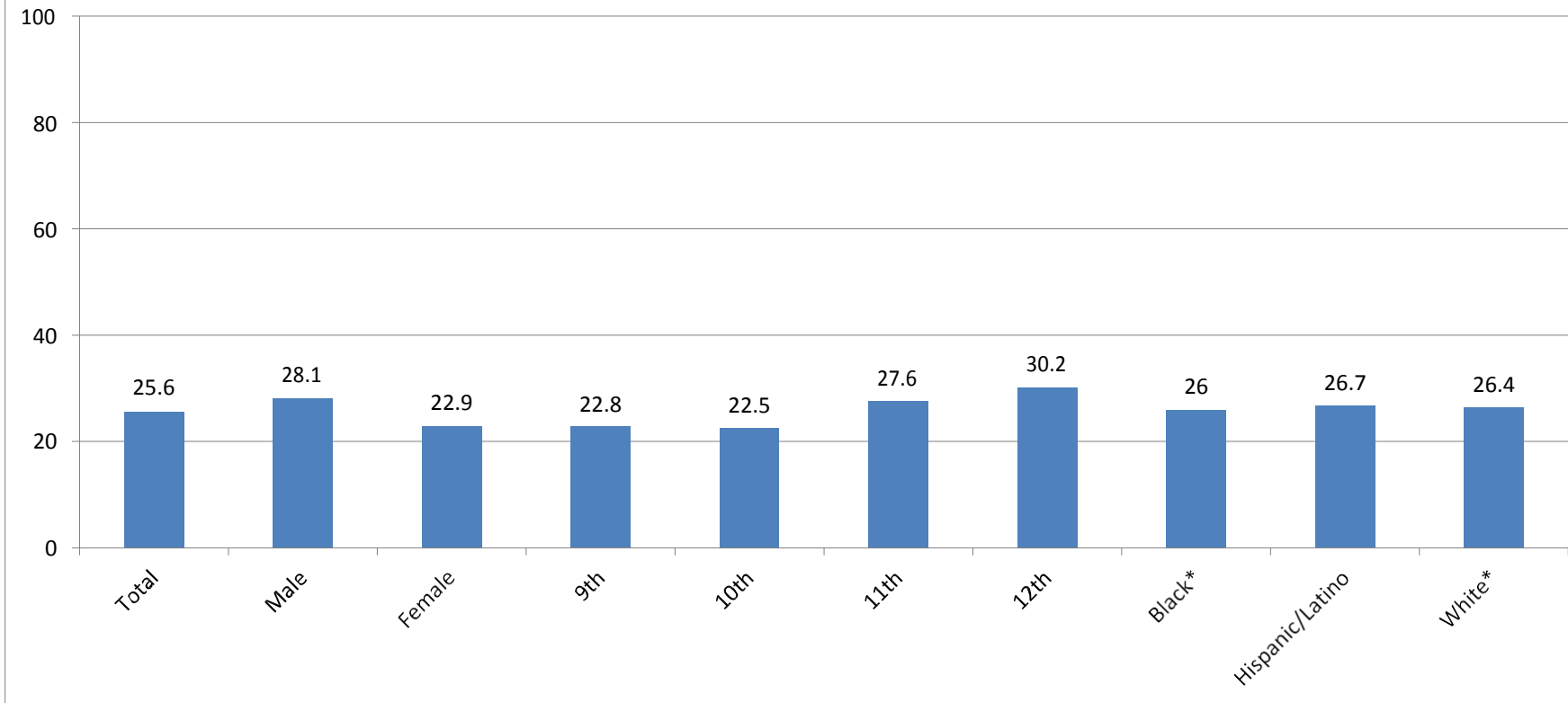


Figure 39 Percentage of high school students who used marijuana in the past 30 days

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NOTE:

*non-Hispanic

Weighted data

Source:

["2013 Delaware Youth Risk Behavior Survey \(YRBS\)." Centers for Disease Control and Prevention \(Administered by the Center for Drug and Health Studies, University of Delaware\).](#)

2014 DELAWARE SCHOOL SURVEY

Average age of onset for marijuana use

8TH Grade	11th Grade
12.5 years	14.5 years

Figure 40 Average age of onset for marijuana use

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Source:

["2014 Delaware School Survey." Center for Drug and Health Studies, University of Delaware.](#)

B. Marijuana Trends and Comparisons to U.S. and Region

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DELAWARE SCHOOL SURVEY

TRENDS IN DELAWARE STUDENTS' MARIJUANA USE BY GRADE SELF-REPORTED REGULAR USE, 1989-PRESENT

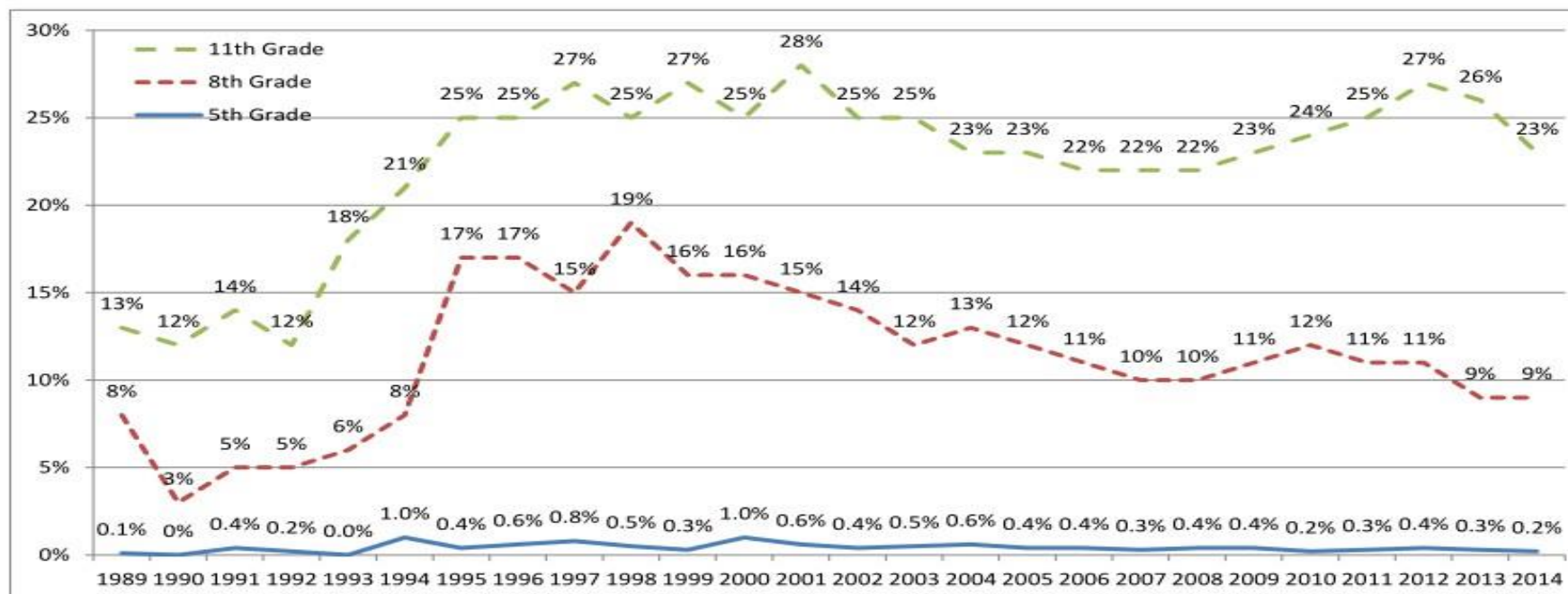


Figure 41 Trends in Delaware students' marijuana use by grade, 1989- present (Back to table of figures)
[Back to table of figures](#)

“Regular use” is defined as reports of about once a month or more often; see note, page 20.

NOTE:

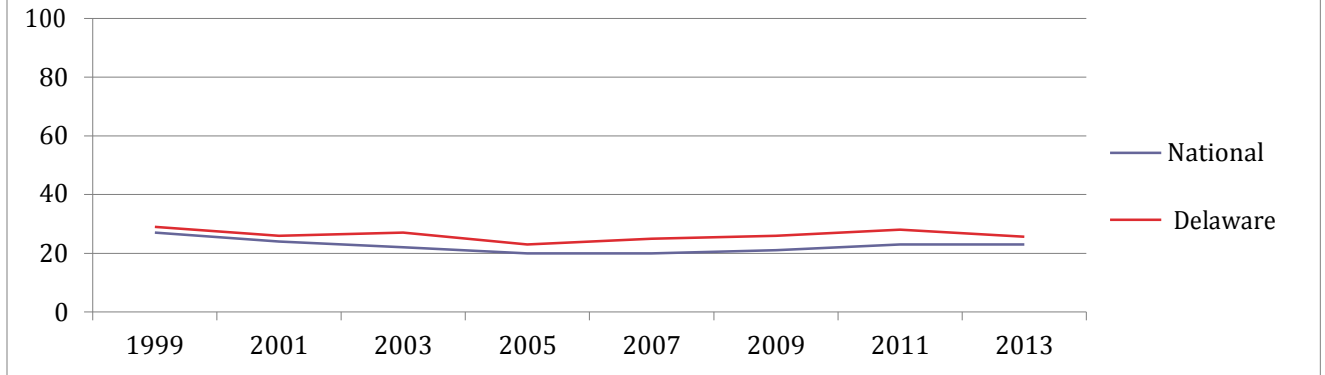
These statistics contribute to the National Outcome Measures (NOMs)

Source:

Data Base/DiagnosticsPlus (1989-1993); Department of Public Instruction (1994)

[“Delaware School Survey.” Center for Drug and Health Studies, University of Delaware.](#) (1995-Present)

YOUTH RISK BEHAVIOR SURVEY—NATIONAL AND DELAWARE Past Month Use of Marijuana (in percentages)



Year	National	Delaware
1999	27	29
2001	24	26
2003	22	27
2005	20	23
2007	20	25
2009	21	26
2011	23	28
2013	23	26

Figure 42 Past month use of marijuana Delaware and National, 1999-2013

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Sources:

[“Delaware Youth Risk Behavior Survey \(YRBS\).” Centers for Disease Control and Prevention \(Administered by the Center for Drug and Health Studies, University of Delaware\).](#) (1999-2013)

[“National High School Youth Risk Behavior Survey.” Center for Disease Control and Prevention.](#) (1999-2013)

NATIONAL SURVEY ON DRUG USE AND HEALTH (NSDUH)
Marijuana Use in Past Year, by Age Group and State: 2011-2012 and 2012-2013 NSDUHs
(in percentages)^a

State	12 or Older			AGE GROUP (Years)								
				12-17			18-25			26 or Older		
	2011-2012	2012-2013	<i>p</i> value ^b	2011-2012	2012-2013	<i>p</i> value ^b	2011-2012	2012-2013	<i>p</i> value ^b	2011-2012	2012-2013	<i>p</i> value ^b
Total U.S.	11.83 ^c	12.34	.001	13.86 ^d	13.47	.084	31.12	31.55	.214	8.25	8.89	.000
Northeast	12.93	13.29	.178	14.48	14.29	.623	35.58	35.32	.669	8.95 ^b	9.50	.086
Delaware	14.09	13.97	.841	16.70	16.72	.991	38.92	38.49	.794	9.55	9.51	.954
Maryland	10.50 ^d	11.47	.068	13.98	14.51	.640	33.25	34.27	.521	6.31 ^d	7.36	.083
New Jersey	10.39	10.18	.686	13.21	12.06	.261	33.78 ^d	30.98	.071	6.52	6.81	.634
Pennsylvania	11.12	11.33	.571	12.90	13.18	.673	31.93	32.78	.409	7.43	7.57	.745

Figure 43 Marijuana use in past year by age group and state, 2011-2013

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NOTE:

^a Estimates are based on a survey-weighted hierarchical Bayes estimation approach.

^b *p* value: Bayes posterior probability of no change

^a Difference between the 2011-2012 estimate and the 2012-2013 estimate is statistically significant at the 0.05 level.

^b Difference between the 2011-2012 estimate and the 2012-2013 estimate is statistically significant at the 0.10 level.

Source:

[“2013 National Survey on Drug Use and Health.” Center for Behavioral Health Statistics and Quality, Substance Abuse and Mental Health Services Administration](#)

NATIONAL SURVEY ON DRUG USE AND HEALTH (NSDUH)

Marijuana Use in Past Month, by Age Group and State: 2011-2012 and 2012-2013 NSDUHs (in percentages)^a

State	12 or Older			AGE GROUP (Years)								
				12-17			18-25			26 or Older		
	2011-2012	2012-2013	<i>p</i> value ^b	2011-2012	2012-2013	<i>p</i> value ^b	2011-2012	2012-2013	<i>p</i> value ^b	2011-2012	2012-2013	<i>p</i> value ^b
Total U.S.	7.13 ^c	7.40	.025	7.55 ^c	7.15	.015	18.89	18.91	.920	5.05 ^c	5.45	.005
Northeast	7.72	7.85	.514	8.05	7.67	.183	21.34	20.96	.409	5.40	5.68	.225
Delaware	7.49	7.97	.259	9.58	9.15	.617	20.95	20.75	.874	4.95	5.68	.144
Maryland	5.81 ^c	6.94	.004	7.54	7.50	.960	17.53 ^d	19.99	.061	3.66 ^c	4.73	.016
New Jersey	6.05 ^c	5.21	.033	6.85 ^c	5.38	.024	19.26 ^c	15.48	.002	3.96	3.64	.484
Pennsylvania	6.18	6.46	.296	6.87	6.81	.902	17.54 ^d	19.01	.064	4.20	4.34	.653

Figure 44 Marijuana use in past month by age group and state, 2011-2013

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NOTE:

^a Estimates are based on a survey-weighted hierarchical Bayes estimation approach.

**p* value: Bayes posterior probability of no change

^a Difference between the 2011-2012 estimate and the 2012-2013 estimate is statistically significant at the 0.05 level.

^b Difference between the 2011-2012 estimate and the 2012-2013 estimate is statistically significant at the 0.10 level.

Source:

["2013 National Survey on Drug Use and Health." Center for Behavioral Health Statistics and Quality, Substance Abuse and Mental Health Services Administration](#)

NATIONAL SURVEY ON DRUG USE AND HEALTH (NSDUH)

Average Annual Rate of First Use of Marijuana, by Age Group and State: 2011-2012 and 2012-2013 NSDUHs (in percentages) ^a

State	AGE GROUP (Years)											
	12 or Older			12-17			18-25			26 or Older		
	2011-2012	2012-2013	<i>p</i> value ^b	2011-2012	2012-2013	<i>p</i> value	2011-2012	2012-2013	<i>p</i> value ^b	2011-2012	2012-2013	<i>p</i> value ^b
Total U.S.	1.89	1.89	.923	5.96 ^d	5.76	.097	7.60	7.50	.583	0.19	0.22	.212
Northeast	2.00	2.00	.884	6.13	6.05	.654	8.62	8.56	.848	0.22	0.23	.761
Delaware	2.30	2.27	.816	7.32	7.39	.908	9.94	9.09	.277	0.24	0.24	.918
Maryland	1.90 ^c	2.17	.014	6.10	6.83	.120	7.71	8.65	.145	0.20	0.21	.773
New Jersey	1.77	1.66	.263	5.99	5.44	.238	8.02	7.17	.182	0.18	0.18	.985
Pennsylvania	1.83	1.84	.886	5.43	5.74	.234	8.31	8.46	.735	0.17	0.19	.623

Figure 45 Average annual rate of first use of marijuana by age group and state, 2011-2013

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NOTE:

Estimates are based on a survey-weighted hierarchical Bayes estimation approach.

**p* value: Bayes posterior probability of no change

^a Difference between the 2011-2012 estimate and the 2012-2013 estimate is statistically significant at the 0.05 level.

^b Difference between the 2011-2012 estimate and the 2012-2013 estimate is statistically significant at the 0.10 level.

Source:

[“2013 National Survey on Drug Use and Health.” Center for Behavioral Health Statistics and Quality, Substance Abuse and Mental Health Services Administration](#)

**DELAWARE SCHOOL SURVEY, YOUTH RISK
BEHAVIOR SURVEY AND MONITORING THE FUTURE**
**Comparison of recent National and Delaware estimates of cigarettes, alcohol,
and marijuana among high school students**
(percentages)

	Marijuana	
	Past Year	Past Month
2014 11 th Grade Delaware	34	23
2013 11 th Grade Delaware	39	26
2012 11 th Grade Delaware	39	25
2013 9 th -12 th Grade YRBS Delaware	--	26
2011 9 th -12 th Grade YRBS Delaware	--	28
2012 12 th Grade MTF	36	23
2010 12 th Grade MTF	36	22

Figure 46 Comparison of recent National and Delaware estimates of cigarettes, alcohol, and marijuana use among high school students
[Back to table of figures](#)

NOTE:
 -- Not Available

Sources:
[“Delaware School Survey.” Center for Drug and Health Studies, University of Delaware.](#) (2011-Present)
[“Delaware Youth Risk Behavior Survey \(YRBS\).” Centers for Disease Control and Prevention \(Administered by the Center for Drug and Health Studies, University of Delaware\).](#) (2011-2013)
[“In School Surveys, Tobacco Press Release.” Monitoring the Future Study \(MTF\), University of Michigan.](#) (2010-2012)

Other Illegal Drugs

A. Other Illegal Drug Prevalence Indicators

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NATIONAL SURVEY ON DRUG USE AND HEALTH (NSDUH)

Selected Drug Use in Delaware, by Age Group: Percentages, Annual Averages Based on 2012-2013 NSDUHs
(in percentages)^a

Measure	Total 12 or Older	AGE GROUP		
		12-17	18-25	26 or Older
ILLICIT DRUGS				
Past Month Illicit Drug Use^b	9.59	10.77	23.16	7.15
Past Month Use of Illicit Drugs Other Than Marijuana^c	3.39	3.08	8.37	2.58
Past Year Cocaine Use	1.70	0.48	4.74	1.32
Past Year Nonmedical Pain Reliever Use	4.87	5.60	10.65	3.81

Figure 47 Selected drug use in Delaware by age group, 2012-2013

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NOTE:

^a Estimates are based on a survey-weighted hierarchical Bayes estimation approach.

^b Illicit Drugs include marijuana/hashish, cocaine (including crack), heroin, hallucinogens, inhalants, or prescription-type psychotherapeutics used nonmedically. Illicit Drugs Other Than Marijuana include cocaine (including crack), heroin, hallucinogens, inhalants, or prescription-type psychotherapeutics used nonmedically.

^c *Average annual rate* = $100 * \{ [X_1 \div (0.5 * X_1 + X_2)] \div 2 \}$, where X_1 is the number of marijuana initiates in past 24 months and X_2 is the number of persons who never used marijuana. Both of the computation components, X_1 and X_2 , are based on a survey-weighted hierarchical Bayes estimation approach. The age group is based on a respondent's age at the time of the interview, not his or her age at first use.

Source:

["2013 National Survey on Drug Use and Health." Center for Behavioral Health Statistics and Quality, Substance Abuse and Mental Health Services Administration](#)

2014 DELAWARE SCHOOL SURVEY

Other illegal drug* use among Delaware 5th graders
(in percentages)

	LIFETIME USE	PAST YEAR USE	PAST MONTH USE
<u>Statewide</u>	8	4	2
<u>Males</u>	8	4	2
<u>Females</u>	8	4	2
<u>Wilmington</u>	8	4	2
<u>Males</u>	7	3	2
<u>Females</u>	8	4	3
<u>New Castle</u>	8	4	2
<u>Males</u>	8	4	2
<u>Females</u>	8	4	2
<u>Kent</u>	8	4	1
<u>Males</u>	8	4	2
<u>Females</u>	8	4	1
<u>Sussex</u>	7	4	2
<u>Males</u>	6	3	1
<u>Females</u>	7	4	2

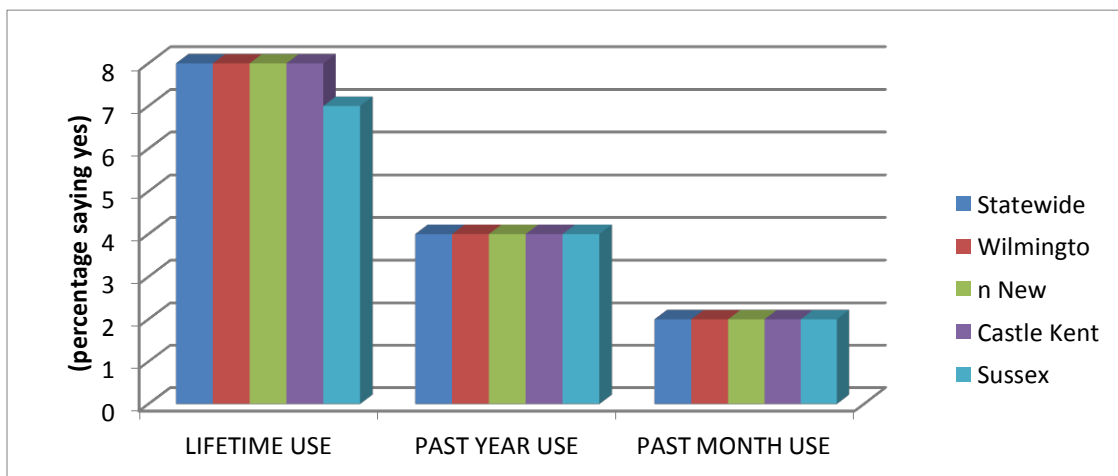


Figure 48 Other illegal drug use among Delaware 5th graders

“Other illegal drugs” include prescription downers, prescription uppers, inhalants, hallucinogens, Ritalin (“to get high”), and cocaine

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Source:

[“2014 Delaware School Survey.” Center for Drug and Health Studies, University of Delaware.](#)

2014 DELAWARE SCHOOL SURVEY

Other illegal drug use among Delaware 8th graders (in percentages)

	LIFETIME USE	PAST YEAR USE	PAST MONTH USE
<u>Statewide</u>	14	9	5
<u>Males</u>	14	9	5
<u>Females</u>	14	9	5
<u>Wilmington</u>	14	9	5
<u>Males</u>	13	8	5
<u>Females</u>	14	9	5
<u>New Castle</u>	14	9	5
<u>Males</u>	14	9	6
<u>Females</u>	14	9	5
<u>Kent</u>	14	10	5
<u>Males</u>	14	9	4
<u>Females</u>	15	10	5
<u>Sussex</u>	12	8	3
<u>Males</u>	12	8	3
<u>Females</u>	13	8	4

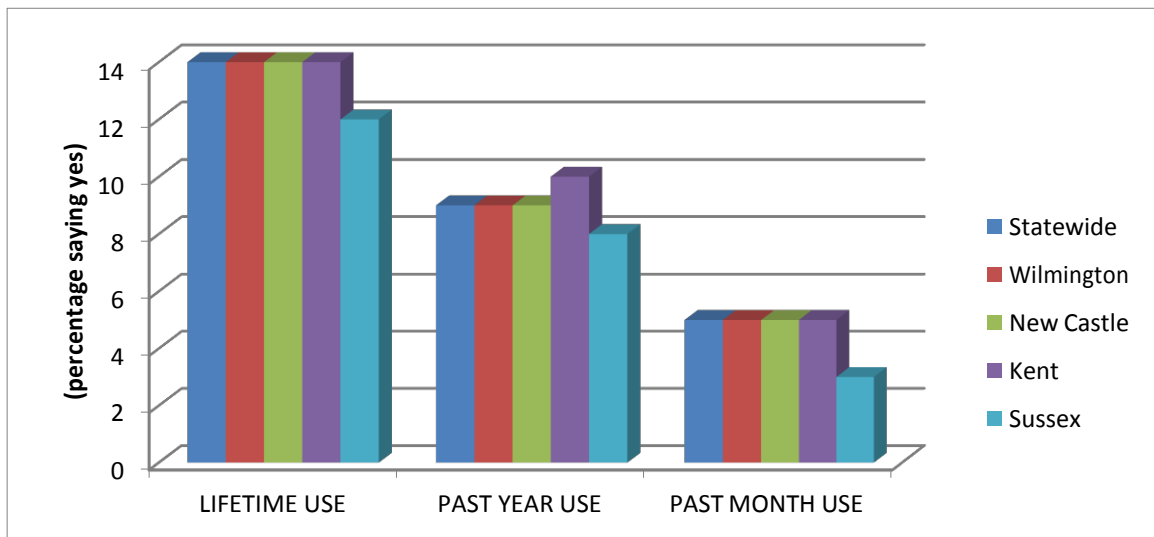


Figure 49 Other illegal drug use among Delaware 8th graders

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“Other illegal drugs” include prescription downers, prescription stimulants, inhalants, hallucinogens, crack, cocaine, heroin, Ritalin, painkillers, and designer drugs.

Source:

[“2014 Delaware School Survey.” Center for Drug and Health Studies, University of Delaware.](#)

2014 DELAWARE SCHOOL SURVEY

Other illegal drug use among Delaware eleventh graders

(in percentages)

	LIFETIME USE	PAST YEAR USE	PAST MONTH USE
<u>Statewide</u>	20	13	6
<u>Males</u>	22	14	7
<u>Females</u>	18	11	5
<u>Wilmington</u>	19	13	6
<u>Males</u>	21	15	7
<u>Females</u>	17	11	5
<u>New Castle</u>	19	13	6
<u>Males</u>	21	15	7
<u>Females</u>	18	12	5
<u>Kent</u>	22	11	4
<u>Males</u>	23	12	6
<u>Females</u>	19	8	1
<u>Sussex</u>	23	14	7
<u>Males</u>	26	16	8
<u>Females</u>	20	13	5

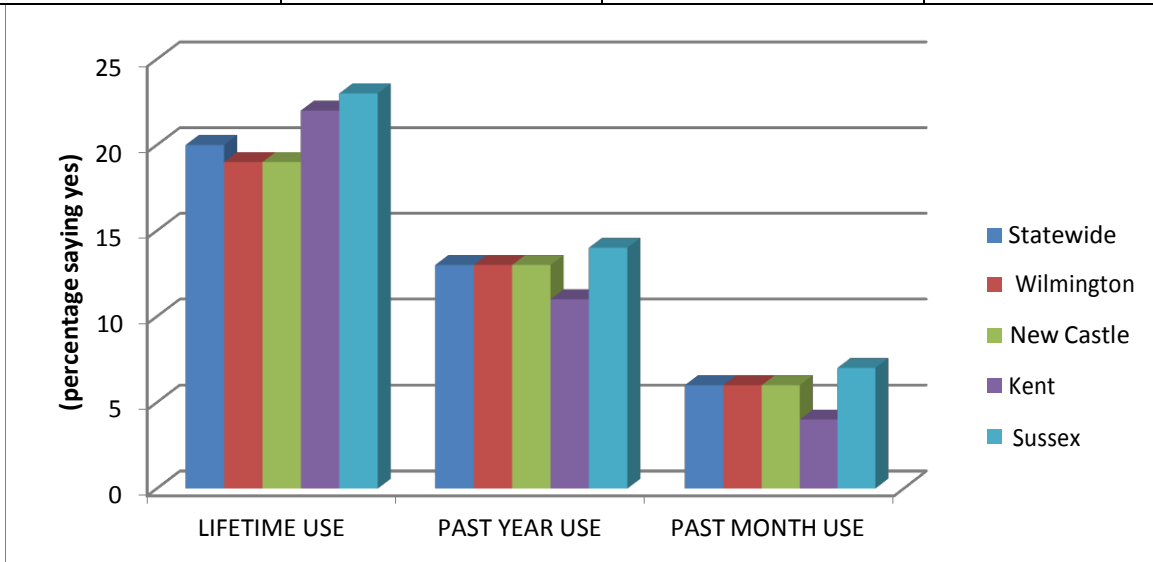


Figure 50 Other illegal drug use among Delaware 11th graders

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“Other illegal drugs” include prescription downers, prescription stimulants, inhalants, hallucinogens, crack, cocaine, heroin, Ritalin, painkillers, and designer drugs.

Source:

[“2014 Delaware School Survey.” Center for Drug and Health Studies, University of Delaware.](#)

2014 DELAWARE SCHOOL SURVEY
PAST YEAR USE OF OTHER ILLEGAL SUBSTANCES AMONG DELAWARE
EIGHTH GRADERS
(in percentages)

	Prescribed Uppers	Street Uppers	Downers	Pain Killers	Ecstasy	Hallucinogen	Ritalin	Heroin	Crack/Cocaine
STATEWIDE	0	0	1	3	1	1	1	0	1
Males	0	0	1	2	1	1	1	0	1
Females	0	0	1	3	1	0	1	0	1
Wilmington	1	0	1	4	1	0	0	0	1
Males	1	0	2	5	2	1	1	0	1
Females	1	1	0	4	0	0	0	0	1
New Castle	0	0	1	3	1	1	1	0	1
Males	0	1	1	2	1	1	1	0	1
Females	1	0	1	3	1	1	1	0	1
Kent	0	0	1	1	1	1	1	1	1
Males	0	0	0	0	1	1	1	1	1
Females	1	1	1	1	1	0	1	1	1
Sussex	0	0	0	0	1	1	1	0	1
Males	0	0	0	0	1	1	0	0	1
Females	0	0	0	0	1	0	1	0	1

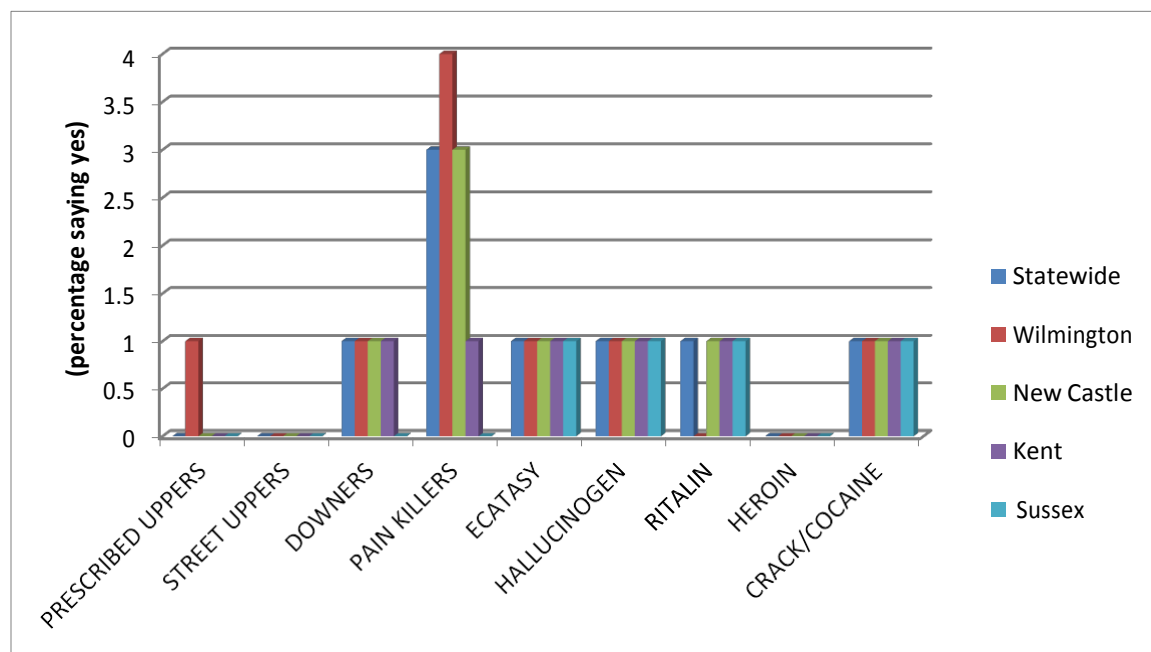


Figure 51 past year use of other illegal substances among Delaware 8th graders, by sub-county planning area
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“Pain killers” includes OxyContin, Codeine, Percocet, and Tylenol 3 “to get high”.

“Ritalin” includes Ritalin, Adderall, Cylert, and Concerta “to get high”.

Source:

[“2014 Delaware School Survey.” Center for Drug and Health Studies, University of Delaware.](#)

2014 DELAWARE SCHOOL SURVEY

PAST YEAR USE OF OTHER ILLEGAL SUBSTANCES AMONG DELAWARE ELEVENTH GRADERS

(in percentages)

	Prescribed Uppers	Street Uppers	Downers	Pain Killers	Ecstasy	Hallucinogen	Ritalin	Heroin	Crack/ Cocaine
STATEWIDE	1	0	2	4	1	2	2	0	1
Males	0	0	2	5	2	3	3	1	1
Females	1	0	2	4	1	1	2	0	0
Wilmington	0	0	1	6	1	1	1	0	2
Males	0	0	1	5	1	0	2	0	2
Females	0	0	1	6	1	1	1	1	1
New Castle	1	0	2	4	1	2	3	0	1
Males	1	0	3	5	2	3	3	0	1
Females	1	0	2	4	1	1	2	0	1
Kent	0	0	1	5	1	1	2	0	1
Males	0	0	2	5	2	2	2	1	2
Females	0	0	1	4	0	0	1	0	0
Sussex	1	1	2	3	2	4	3	1	1
Males	1	1	2	4	2	6	3	2	2
Females	1	1	2	3	2	3	2	0	1

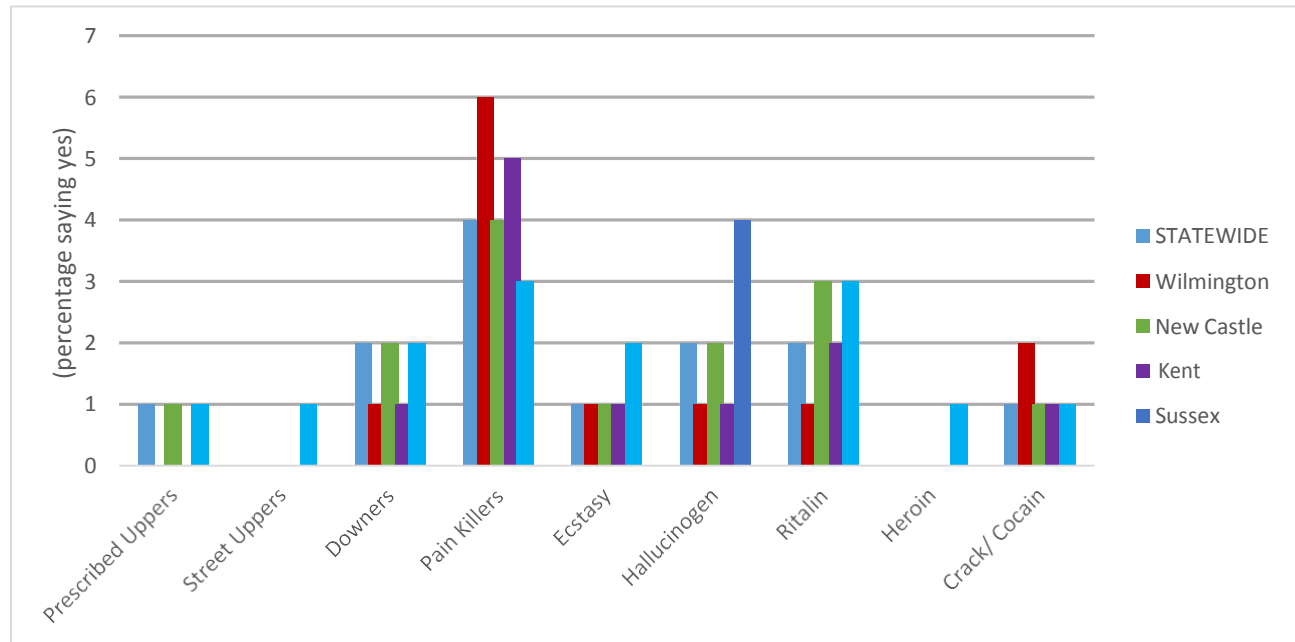


Figure 52 past year use of other illegal substances among Delaware 11th graders, by sub-county planning area

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“Pain killers” includes OxyContin, Codeine, Percocet, and Tylenol 3 “to get high”.

“Ritalin” includes Ritalin, Adderall, Cylert, and Concerta “to get high”.

Source:

[“2014 Delaware School Survey.” Center for Drug and Health Studies, University of Delaware.](#)

2013 DELAWARE YOUTH RISK BEHAVIOR SURVEY
Percentage of high school students who have ever used any form of cocaine,
including powder, crack, or freebase one or more times

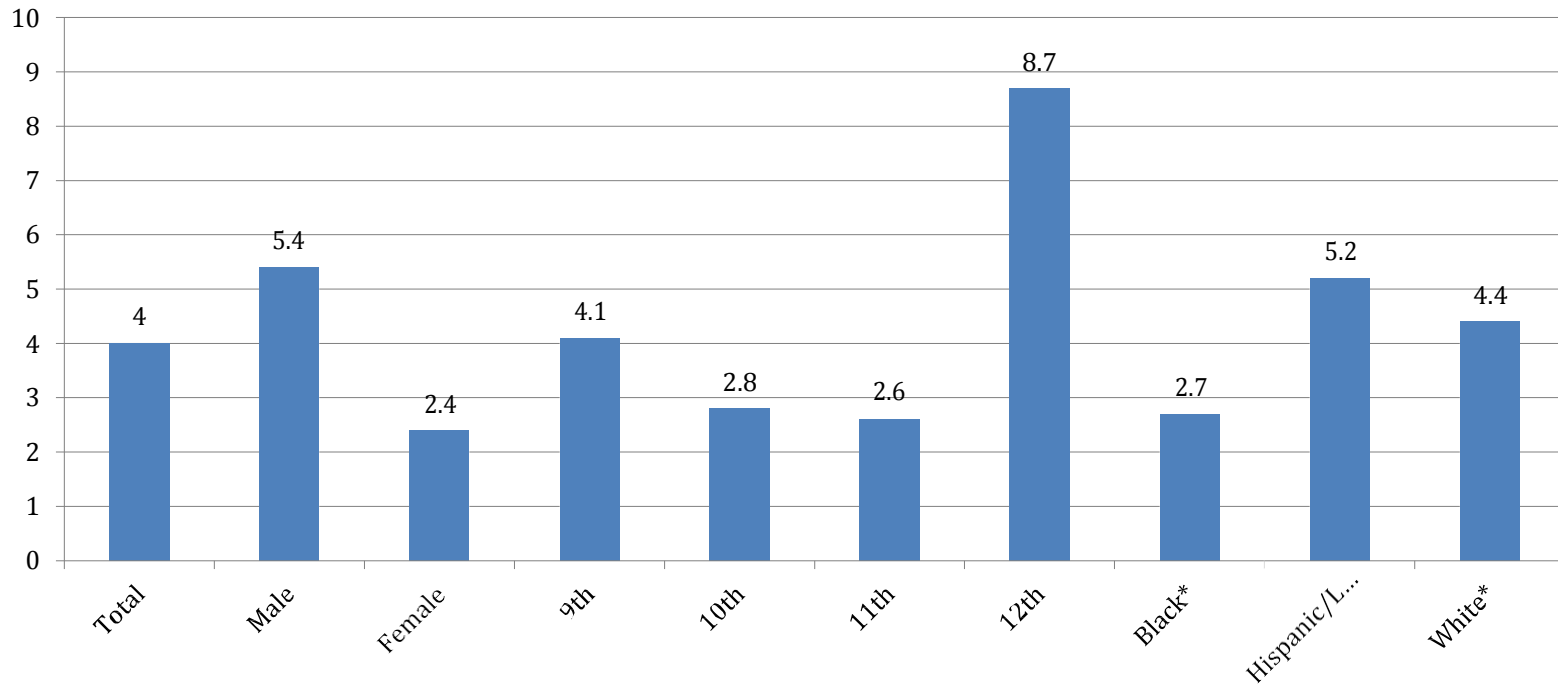


Figure 53 Percentage of high school students who reported ever using crack or cocaine
[Back to table of figures](#)

NOTE:
 *non-Hispanic
 Weighted data

Source:
[“2013 Delaware Youth Risk Behavior Survey \(YRBS\).” Centers for Disease Control and Prevention \(Administered by the Center for Drug and Health Studies, University of Delaware\).](#)

NATIONAL SURVEY OF DRUG USE AND HEALTH (NSDUH)

Cocaine use in past year, by age group and state: 2011-2012 and 2012-2013 NSDUHs
(in percentages)^a

State	12 or Older			AGE GROUP (Years)								
				12-17			18-25			26 or Older		
	2011-2012	2012-2013	<i>p</i> value ^b	2011-2012	2012-2013	<i>p</i> value ^b	2011-2012	2012-2013	<i>p</i> value ^b	2011-2012	2012-2013	<i>p</i> value ^b
Total U.S.	1.65	1.69	.341	0.82 ^c	0.63	.000	4.59	4.53	.673	1.24 ^d	1.34	.097
Northeast	1.94	1.93	.904	0.75 ^c	0.60	.031	5.37	5.26	.664	1.50	1.53	.839
Delaware	1.88	1.70	.323	0.74 ^c	0.48	.027	5.27	4.74	.327	1.44	1.32	.558
Maryland	1.34	1.46	.430	0.57	0.52	.626	3.46	3.80	.389	1.08	1.19	.528
New Jersey	1.86	1.68	.287	0.73	0.65	.513	5.31	5.04	.619	1.48	1.29	.307
Pennsylvania	1.74	1.69	.744	0.61	0.45	.112	4.15	4.06	.798	1.46	1.44	.887

Figure 54 Cocaine use in past year by age group and state, 2011-2013

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NOTE:

^a Estimates are based on a survey-weighted hierarchical Bayes estimation approach.

^b *p* value: Bayes posterior probability of no change.

^c Difference between the 2011-2012 estimate and the 2012-2013 estimate is statistically significant at the 0.05 level.

^d Difference between the 2011-2012 estimate and the 2012-2013 estimate is statistically significant at the 0.10 level.

Source:

[“2013 National Survey on Drug Use and Health.” Center for Behavioral Health Statistics and Quality, Substance Abuse and Mental Health Services Administration](#)

NATIONAL SURVEY OF DRUG USE AND HEALTH (NSDUH)

Nonmedical use of pain relievers in past year, by age group and state: 2011-2012 and 2012-2013 NSDUHs
(in percentages)^a

State	12 or Older			AGE GROUP (Years)								
				12-17			18-25			26 or Older		
	2011-2012	2012-2013	p value ^b	2011-2012	2012-2013	p value ^b	2011-2012	2012-2013	p value ^b	2011-2012	2012-2013	p value ^b
Total U.S.	4.57	4.51	.525	5.64 ^c	5.00	.000	9.96 ^c	9.47	.011	3.50	3.60	.310
Northeast	4.14 ^c	3.90	.071	4.80 ^c	4.05	.000	9.25 ^c	8.64	.037	3.20	3.09	.485
Delaware	5.43	4.87	.156	6.24	5.60	.300	12.45 ^d	10.65	.072	4.14	3.81	.465
Maryland	3.90	4.18	.385	4.25	4.46	.638	8.35	8.49	.864	3.12	3.44	.398
New Jersey	4.50 ^d	3.96	.084	5.21 ^c	4.08	.026	10.99 ^d	9.4	.070	3.44	3.12	.376
Pennsylvania	4.05	3.94	.601	5.61 ^c	4.56	.005	9.06	9.11	.930	3.03	3.01	.928

Figure 55 Nonmedical use of pain relievers in past year by age group and state, 2011-2013

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NOTE:

^a Estimates are based on a survey-weighted hierarchical Bayes estimation approach.

^b p value: Bayes posterior probability of no change.

^c Difference between the 2011-2012 estimate and the 2012-2013 estimate is statistically significant at the 0.05 level.

^d Difference between the 2011-2012 estimate and the 2012-2013 estimate is statistically significant at the 0.10 level.

Source:

[“2013 National Survey on Drug Use and Health.” Center for Behavioral Health Statistics and Quality, Substance Abuse and Mental Health Services Administration](#)

NATIONAL SURVEY ON DRUG USE AND HEALTH (NSDUH)

Average annual rate of first use of marijuana, by age group and state: 2011-2012 and 2012-2013 NSDUHs
(in percentages)^a

State	AGE GROUP (Years)											
	12 or Older			12-17			18-25			26 or Older		
	2011-2012	2012-2013	<i>p</i> value ^b	2011-2012	2012-2013	<i>p</i> value ^b	2011-2012	2012-2013	<i>p</i> value ^b	2011-2012	2012-2013	<i>p</i> value ^b
Total U.S.	1.89	1.89	.923	5.96 ^d	5.76	.097	7.60	7.50	.583	0.19	0.22	.212
Northeast	2.00	2.00	.884	6.13	6.05	.654	8.62	8.56	.848	0.22	0.23	.761
Delaware	2.30	2.27	.816	7.32	7.39	.908	9.94	9.09	.277	0.24	0.24	.918
Maryland	1.90 ^c	2.17	.014	6.10	6.83	.120	7.71	8.65	.145	0.20	0.21	.773
New Jersey	1.77	1.66	.263	5.99	5.44	.238	8.02	7.17	.182	0.18	0.18	.985
Pennsylvania	1.83	1.84	.886	5.43	5.74	.234	8.31	8.46	.735	0.17	0.19	.623

Figure 56 Average annual rate of first use of marijuana by age group and state, 2011-2013

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NOTE:

^a Estimates are based on a survey-weighted hierarchical Bayes estimation approach.

^b *p* value: Bayes posterior probability of no change.

^c Difference between the 2011-2012 estimate and the 2012-2013 estimate is statistically significant at the 0.05 level.

^d Difference between the 2011-2012 estimate and the 2012-2013 estimate is statistically significant at the 0.10 level.

Source:

[“2013 National Survey on Drug Use and Health.” Center for Behavioral Health Statistics and Quality, Substance Abuse and Mental Health Services Administration](#)

NATIONAL SURVEY OF DRUG USE AND HEALTH (NSDUH)

Illicit Drug Use Other Than Marijuana in Past Month, by Age Group and State: 2011-2012 and 2012-2013 NSDUHs (in percentages)^a

State	AGE GROUP (Years)											
	12 or Older			12-17			18-25			26 or Older		
	2011-2012	2012-2013	<i>p</i> value ^b	2011-2012	2012-2013	<i>p</i> value ^b	2011-2012	2012-2013	<i>p</i> value ^b	2011-2012	2012-2013	<i>p</i> value ^b
Total U.S.	3.27	3.36	.226	3.90 ^c	3.36	.000	7.00	6.88	.500	2.54 ^c	2.75	.024
Northeast	3.17	3.07	.432	3.43 ^c	2.84	.000	7.09	7.03	.823	2.48	2.43	.776
Delaware	3.77	3.39	.211	3.70 ^d	3.08	.090	9.03	8.37	.416	2.88	2.58	.414
Maryland	2.68 ^d	3.12	.079	3.14	3.28	.724	6.03	6.64	.312	2.07	2.52	.150
New Jersey	3.25	2.88	.160	3.77 ^c	2.77	.013	7.62	7.39	.739	2.53	2.21	.319
Pennsylvania	3.16	3.14	.924	3.76 ^c	2.95	.004	6.60	6.76	.712	2.51	2.56	.830

Figure 57 Illicit drug use other than marijuana in past month by age group and state, 2011-2013

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NOTE:

^a Estimates are based on a survey-weighted hierarchical Bayes estimation approach.

^b *p* value: Bayes posterior probability of no change.

^c Difference between the 2011-2012 estimate and the 2012-2013 estimate is statistically significant at the 0.05 level.

^d Difference between the 2011-2012 estimate and the 2012-2013 estimate is statistically significant at the 0.10 level.

Source:

“2013 National Survey on Drug Use and Health.” Center for Behavioral Health Statistics and Quality, Substance Abuse and Mental Health Services Administration

B. Trends and Comparisons of Use of Other Illegal Drugs

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DELAWARE SCHOOL SURVEY

Trends in monthly use of other illegal drugs among Delaware eighth graders, 1989- present (in percentages)

	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
Inhalants ^a	2	2	2	1	2	2	9	6	9	8	5	6	5	5	6	6	2	2	2	2	1	2	1	1	1	1
Hallucinogens	1	-	1	1	1	1	2	2	1	1	2	2	1	-	-	-	-	-	-	-	-	-	-	-	-	-
Stimulants	4	2	2	2	2	2	2	1	2	2	2	2	1	1	1	1	1	-	-	-	-	-	-	-	-	-
Cocaine	1	-	1	-	-	1	1	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Heroin ^a	na	na	na	na	na	na	na	na	1	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Designer Drugs/ Ecstasy ^b	na	na	na	na	na	na	-	1	1	-	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-
Ritalin ^c	na	na	na	na	na	na	na	na	na	na	na	na	2	1	1	1	1	1	1	1	1	1	-	1	1	-
Painkillers ^a	na	na	na	na	na	na	na	na	na	na	na	na	na	3	2	3	2	3	2	2	2	2	2	1	2	2

Figure 58 Trends in monthly use of other illegal drugs among Delaware 8th graders, 1989-present
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Note:

- indicates less than one-half of one percent.

(na) indicates question was not asked that year.

^a Inhalant question altered in 2005 and 2006.

^b Through 1999, the question asked about “designer drugs (XTC, Special K & Roche)”; from 2000 on the question asked explicitly about ecstasy.

^c Ritalin question added 2001.

^d Painkillers question added 2002.

Source:

Data Base/DiagnosticsPlus (1989-1993); Department of Public Instruction (1994);

[“Delaware School Survey.” Center for Drug and Health Studies, University of Delaware.](#) (1995-Present)

DELAWARE SCHOOL SURVEY

Trends in monthly use of other illegal drugs among Delaware eleventh graders, 1989- present

(in percentages)

	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	
Inhalants ^d	3	2	1	2	1	4	2	3	3	2	3	3	3	2	2	2	1	1	-	1	-	-	-	-	-	-	
Hallucinogens	2	1	3	2	3	4	3	3	3	3	2	2	2	1	-	-	1	1	1	-	-	-	1	-	-	-	
Stimulants	3	2	3	3	3	4	2	2	4	3	2	3	2	1	2	1	1	1	-	-	1	-	-	-	-	-	
Cocaine	3	2	1	1	-	1	1	2	2	2	1	1	1	-	1	-	1	1	1	1	1	-	-	-	-	-	
Heroin ^{ab}	1	-	1	-	-	na	1	1	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	
Designer Drugs/ Ecstasy ^b	na	na	na	na	na	na	-	1	1	1	1	3	2	1	-	-	-	-	-	-	-	-	-	-	-	-	
Ritalin ^{ac}	na	na	na	na	na	na	na	na	na	na	na	na	2	2	3	2	2	2	2	2	2	2	2	2	1	1	1
Painkillers ^{ac}	na	na	na	na	na	na	na	na	na	na	na	na	na	4	4	4	4	4	4	4	4	4	4	3	3	3	1

Figure 59 Trends in monthly use of other illegal drugs among Delaware 11th graders, 1989- present

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Note:

- indicates less than one-half of one percent.

(na) indicates question was not asked that year.

^a Inhalant question altered in 2005 and 2006.

^b Through 1999, the question asked about “designer drugs (XTC, Special K & Roche)”; from 2000 on the question asked explicitly about ecstasy.

^c Ritalin question added 2001.

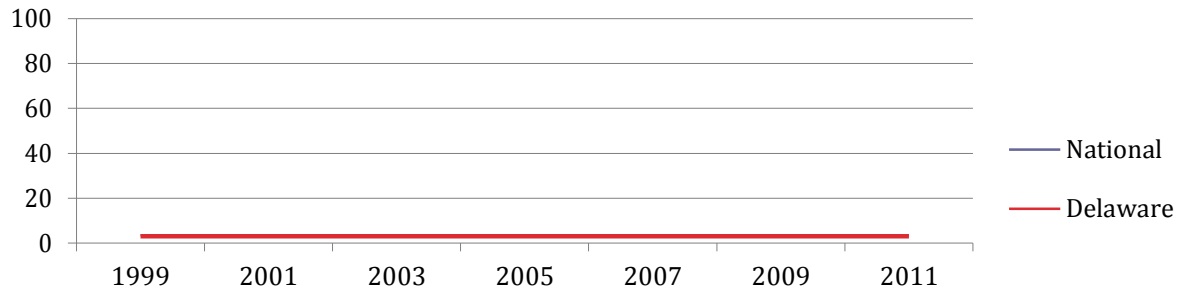
^d Painkillers question added 2002.

Source:

Data Base/DiagnosticsPlus (1989-1993); Department of Public Instruction (1994)

[“Delaware School Survey.” Center for Drug and Health Studies, University of Delaware.](#) (1995-Present)

YOUTH RISK BEHAVIOR SURVEY
Past month use of cocaine
(including powder, crack or freebase)
(in percentages)



Year	National	Delaware
1999	4	3
2001	4	2
2003	4	4
2005	3	3
2007	3	3
2009	3	3
2011	3	3
2013	--	--

Figure 60 past month use of cocaine, Delaware and National
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NOTE:
-- Not available

Sources:
[“Delaware Youth Risk Behavior Survey \(YRBS\).” Centers for Disease Control and Prevention \(Administered by the Center for Drug and Health Studies, University of Delaware\).](#) (1999-2013)
[“National High School Youth Risk Behavior Survey.” Center for Disease Control and Prevention.](#) (1999-2013)

NATIONAL SURVEY OF DRUG USE AND HEALTH (NSDUH)

Illicit drug use in past month, by age group and state: 2011-2012 and 2012-2013 NSDUHs (in percentages)^a

State	12 or Older			AGE GROUP (Years)								
				12-17			18-25			26 or Older		
	2011-2012	2012-2013	<i>p</i> value ^b	2011-2012	2012-2013	<i>p</i> value ^b	2011-2012	2012-2013	<i>p</i> value ^b	2011-2012	2012-2013	<i>p</i> value ^b
Total U.S.	8.95 ^c	9.27	.017	9.82 ^c	9.18	.001	21.39	21.44	.861	6.69 ^c	7.19	.002
Northeast	9.39	9.58	.384	9.90 ^d	9.31	.068	23.59	23.57	.962	6.95	7.28	.215
Delaware	9.36	9.59	.668	11.79	10.77	.314	23.09	23.16	.963	6.74	7.15	.499
Maryland	7.30 ^c	8.93	.000	9.13	9.58	.604	19.22 ^c	22.36	.019	5.10 ^c	6.65	.004
New Jersey	7.99	7.40	.230	9.20 ^c	7.14	.018	22.89 ^c	19.76	.018	5.60	5.57	.960
Pennsylvania	8.05	8.38	.333	8.89	8.47	.414	19.58 ^c	21.60	.016	6.02	6.18	.709

Figure 61 Illicit drug use in past month by age group and state, 2011-2013

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NOTE:

^a Estimates are based on a survey-weighted hierarchical Bayes estimation approach.

^b *p* value: Bayes posterior probability of no change.

^c Difference between the 2011-2012 estimate and the 2012-2013 estimate is statistically significant at the 0.05 level.

^d Difference between the 2011-2012 estimate and the 2012-2013 estimate is statistically significant at the 0.10 level.

Source:

[“2013 National Survey on Drug Use and Health.” Center for Behavioral Health Statistics and Quality, Substance Abuse and Mental Health Services Administration](#)

Reported Risk Behaviors **For Gay and Bisexual Youth**

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2013 DELAWARE YOUTH RISK BEHAVIOR SURVEY

Percentage of high school students who reported identifying as homosexual, bisexual, or not sure

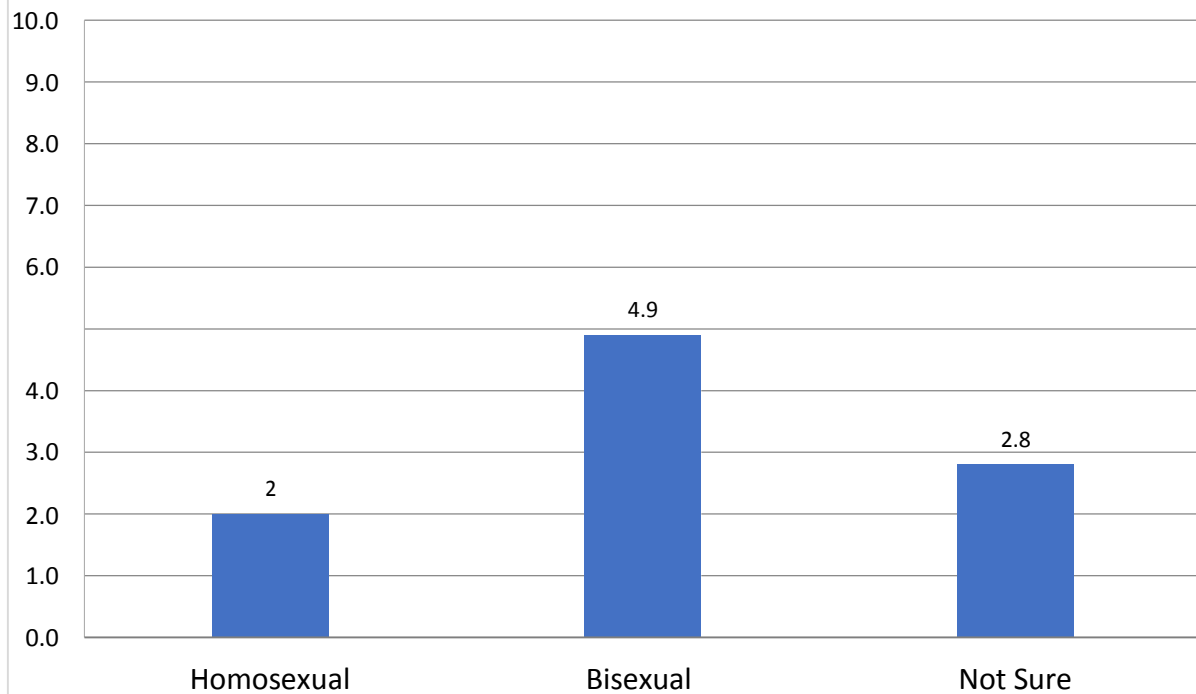


Figure 62 Percentage of high school students who reported identifying as homosexual, bisexual, or not sure
[Back to table of figures](#)

Note:
unweighted data

Source:
[“2013 Delaware Youth Risk Behavior Survey \(YRBS\).” Centers for Disease Control and Prevention \(Administered by the Center for Drug and Health Studies, University of Delaware\).](#)

Cigarette Use

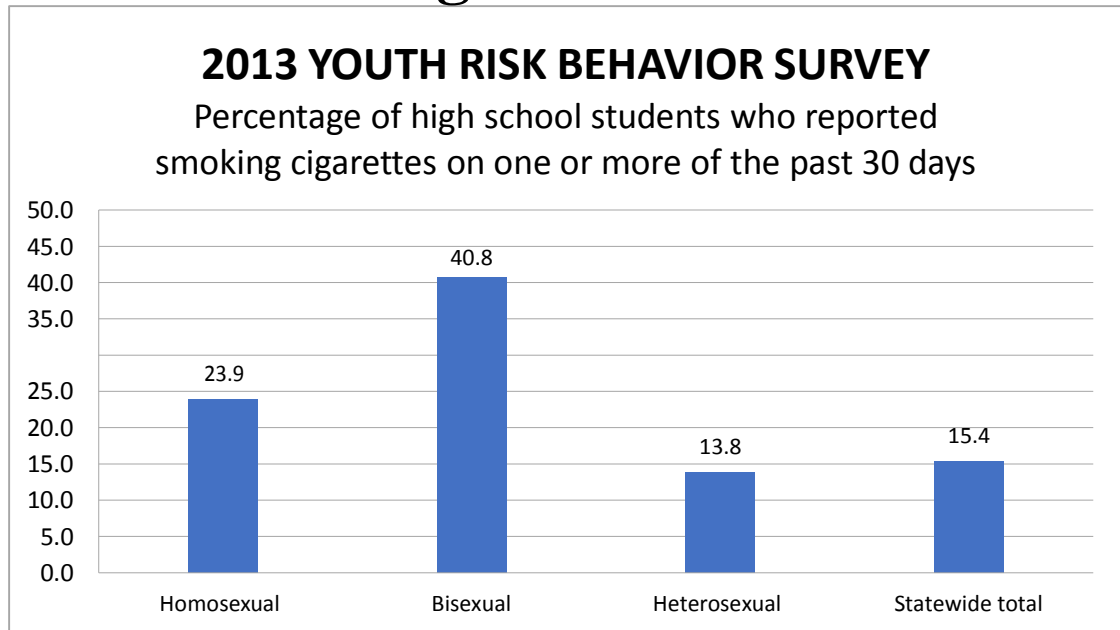


Figure 63 Percentage of high school students who reported smoking in the past 30 days, by sexual orientation
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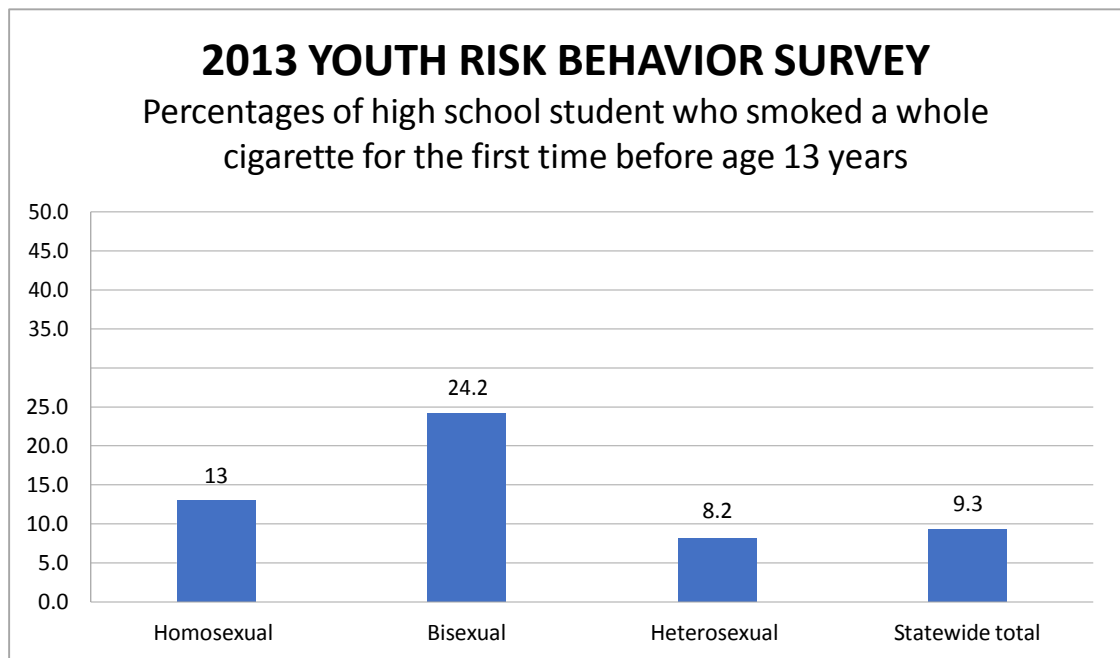


Figure 64 Percentages of high school students who smoked a whole cigarette before 13 years of age, by sexual orientation
[Back to table of figures](#)

NOTE:
 unweighted data

Source:
[“2013 Delaware Youth Risk Behavior Survey \(YRBS\).” Centers for Disease Control and Prevention \(Administered by the Center for Drug and Health Studies, University of Delaware\).](#)

Alcohol Use

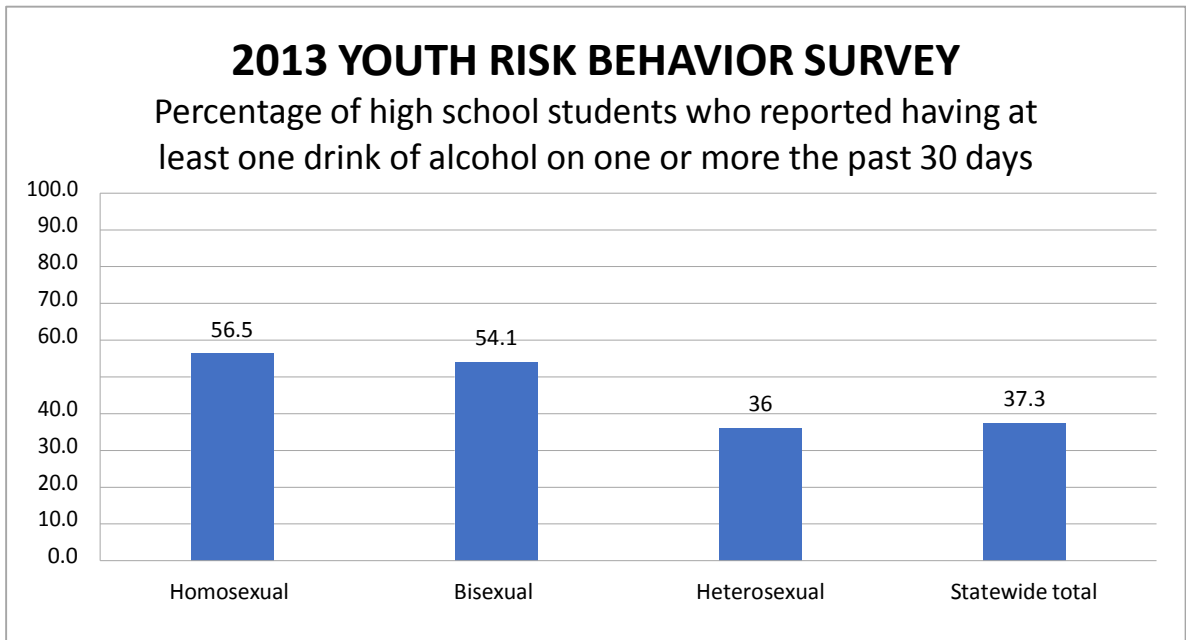


Figure 65 Percentage of high schools students who reported having at least on drink of alcohol in the past month, by sexual orientation
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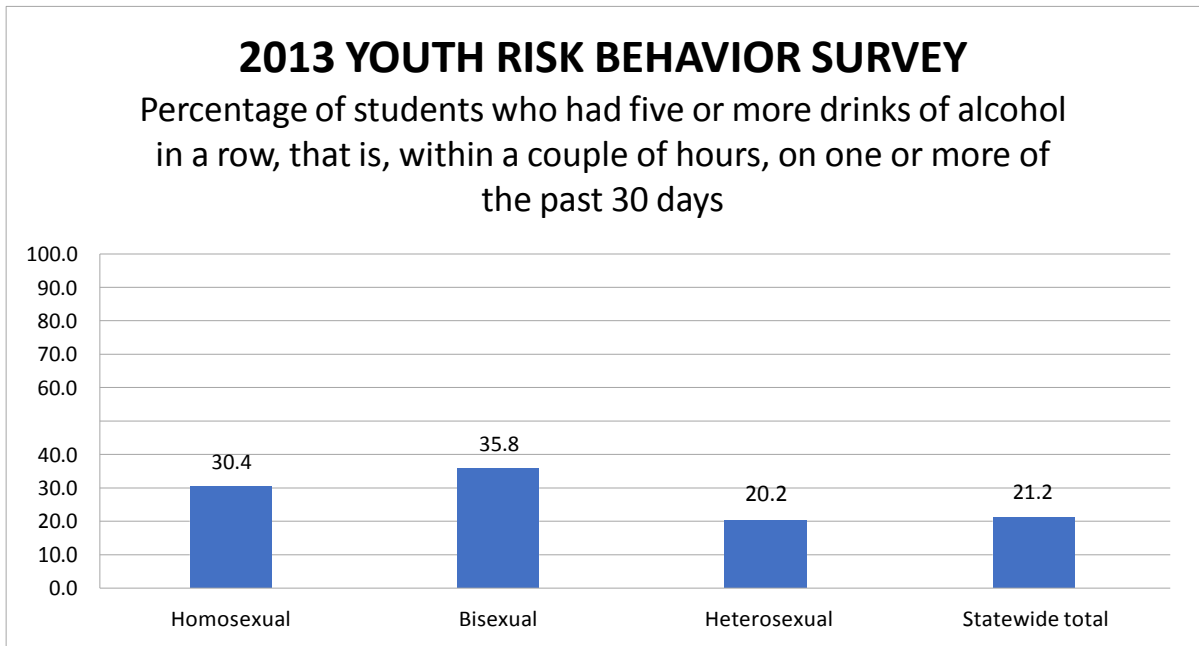


Figure 66 Percentage of students who reported binge drinking in the past month, by sexual orientation
[Back to table of figures](#)

Note:
 unweighted data

Source:

[“2013 Delaware Youth Risk Behavior Survey \(YRBS\).” Centers for Disease Control and Prevention \(Administered by the Center for Drug and Health Studies, University of Delaware\).](#)

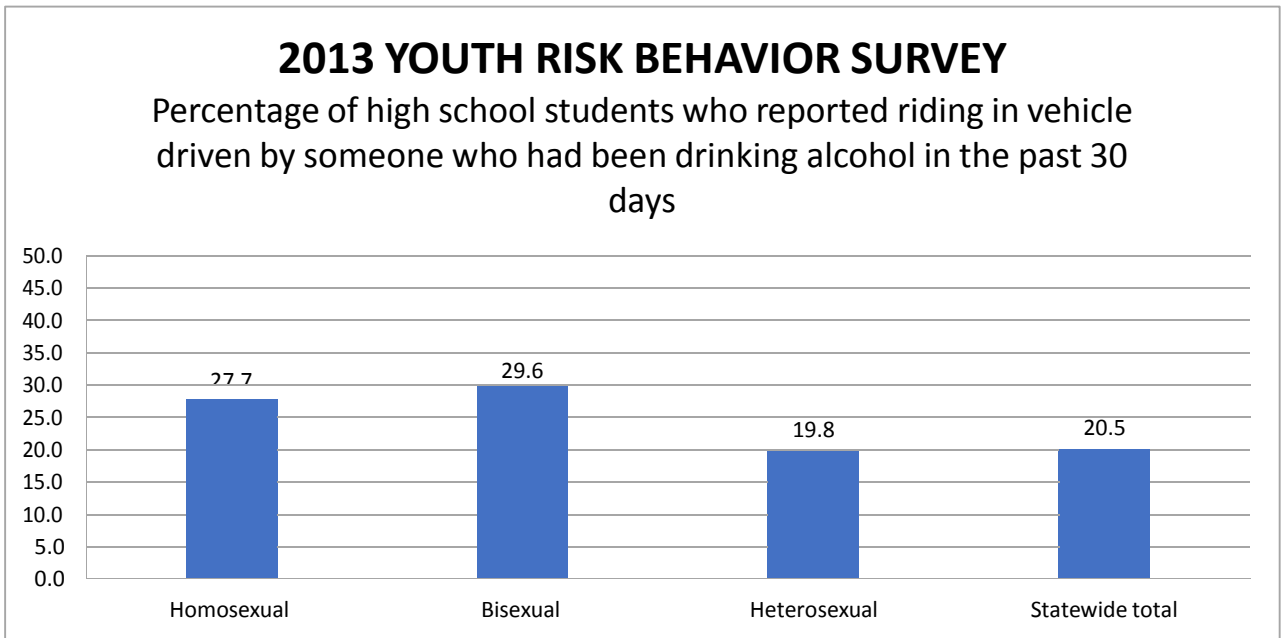


Figure 67 Percentage of high school students who reported riding in a vehicle driven by someone who has been drinking, by sexual orientation
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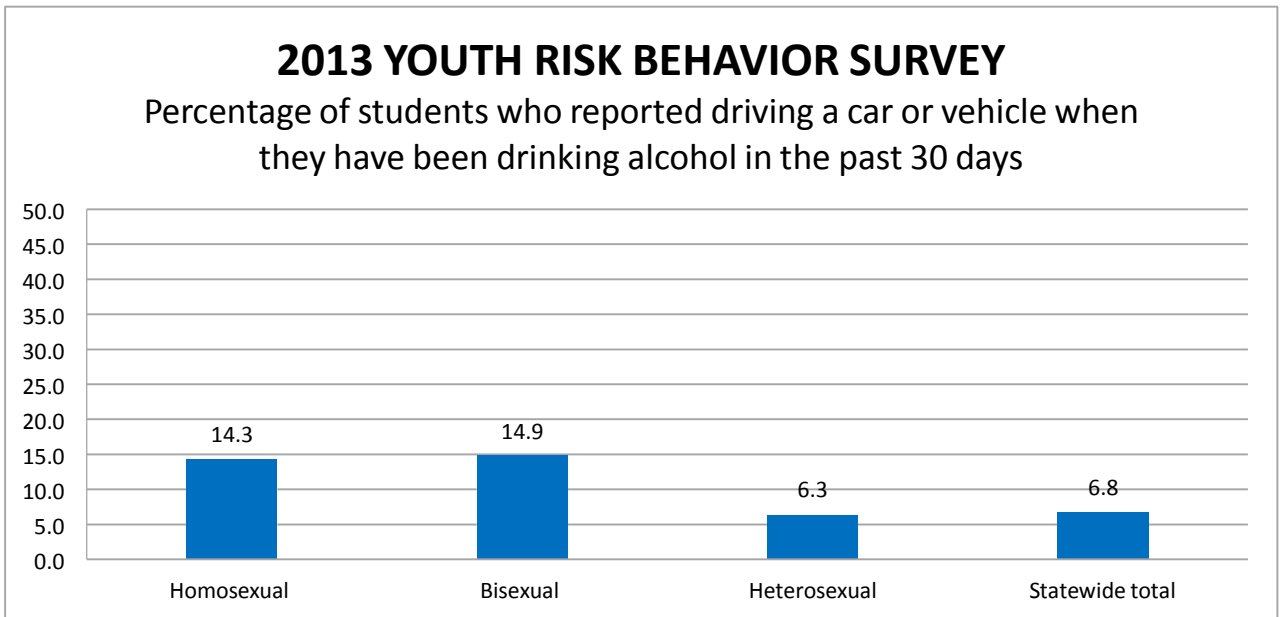


Figure 68 Percentage of high school students who reported driving a car or vehicle when they have been drinking, by sexual orientation
[Back to table of figures](#)

NOTE:
unweighted data

Source:
[“2013 Delaware Youth Risk Behavior Survey \(YRBS\).” Centers for Disease Control and Prevention \(Administered by the Center for Drug and Health Studies, University of Delaware\).](#)

Marijuana Use

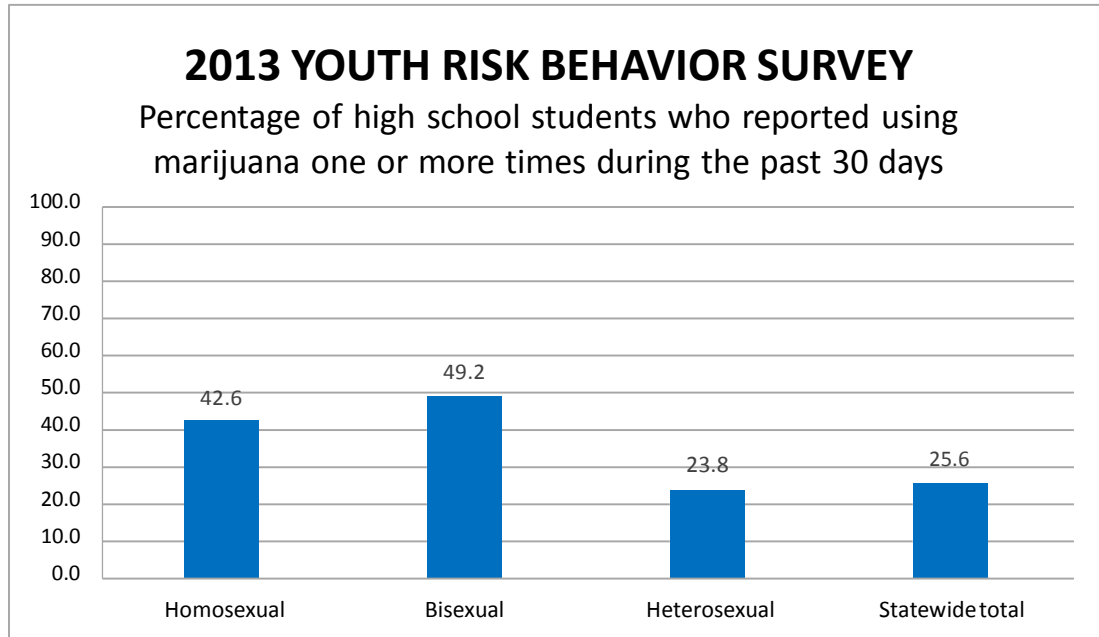


Figure 69 Percentage of high school students who reported using marijuana in the past 30 days, by sexual orientation
[Back to table of figures](#)

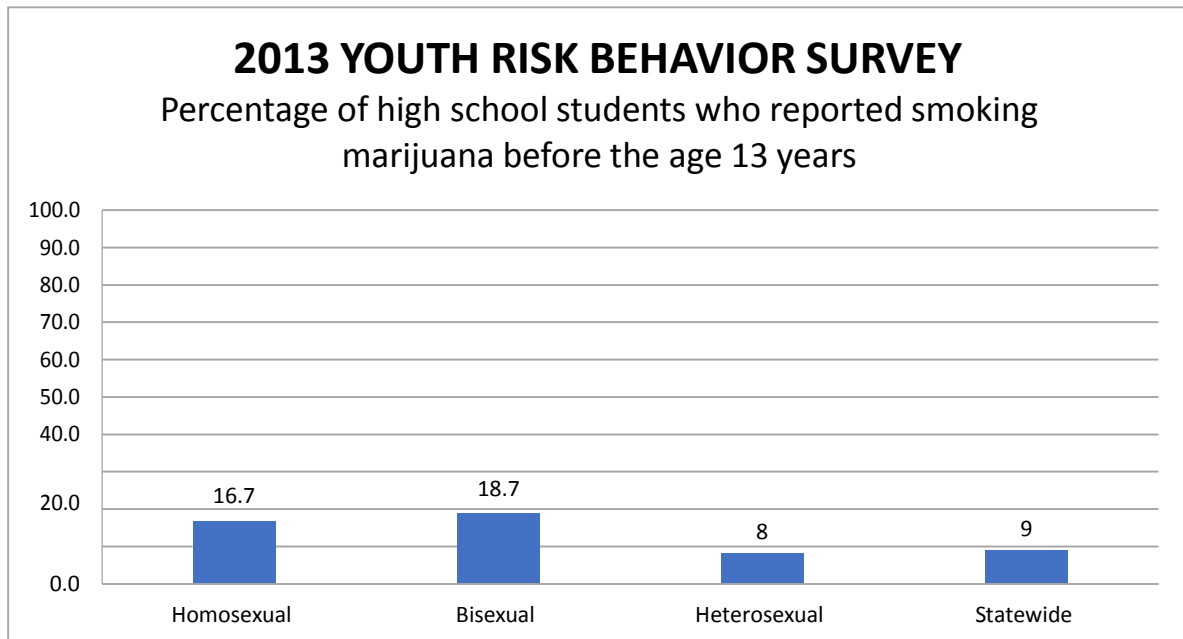


Figure 70 Percentage of high school students who reported smoking marijuana before 13 years of age, by sexual orientation
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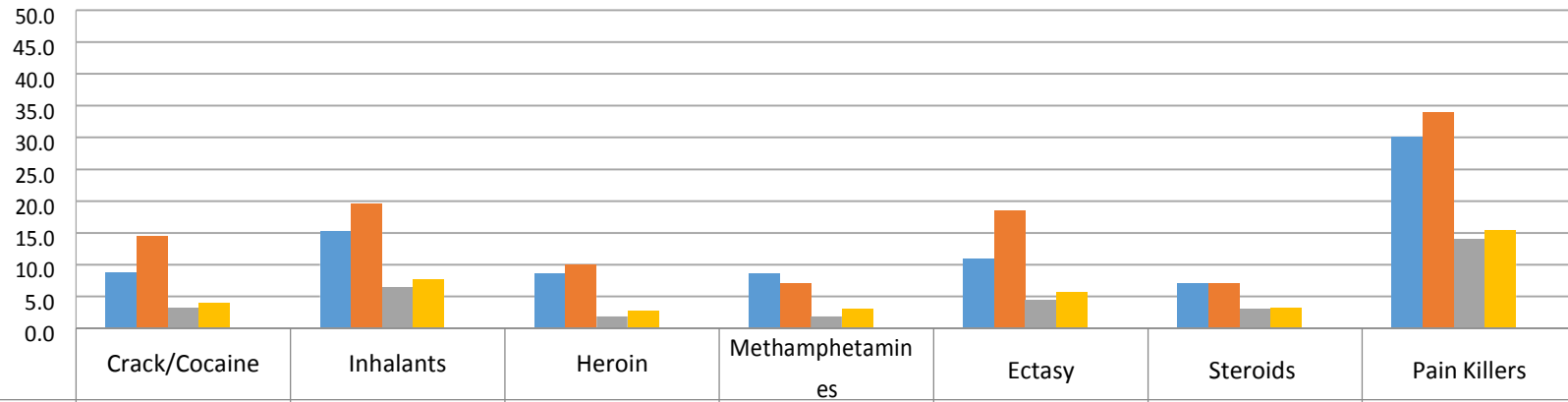
NOTE:
 unweighted data

Source:
[“2013 Delaware Youth Risk Behavior Survey \(YRBS\).” Centers for Disease Control and Prevention \(Administered by the Center for Drug and Health Studies, University of Delaware\).](#)

Other Illegal Drug Use

YOUTH RISK BEHAVIOR SURVEY

Percentage of high school students who reported ever using other illegal drugs in their lifetime



■ Homosexual	9	15	9	9	11	7	30
■ Bisexual	15	20	10	7	19	7	34
■ Heterosexual	3	6	2	2	4	3	14
■ Statewide total	4	8	3	3	6	3	15
■ Series6	0						

■ Homosexual ■ Bisexual ■ Heterosexual ■ Statewide total

Figure 71 Percentage of high school students who reported ever using selected illegal drugs
[Back to table of figures](#)

NOTE:
unweighted data

Source:
[“2013 Delaware Youth Risk Behavior Survey \(YRBS\).” Centers for Disease Control and Prevention \(Administered by the Center for Drug and Health Studies, University of Delaware\).](#)

Sexual Activity

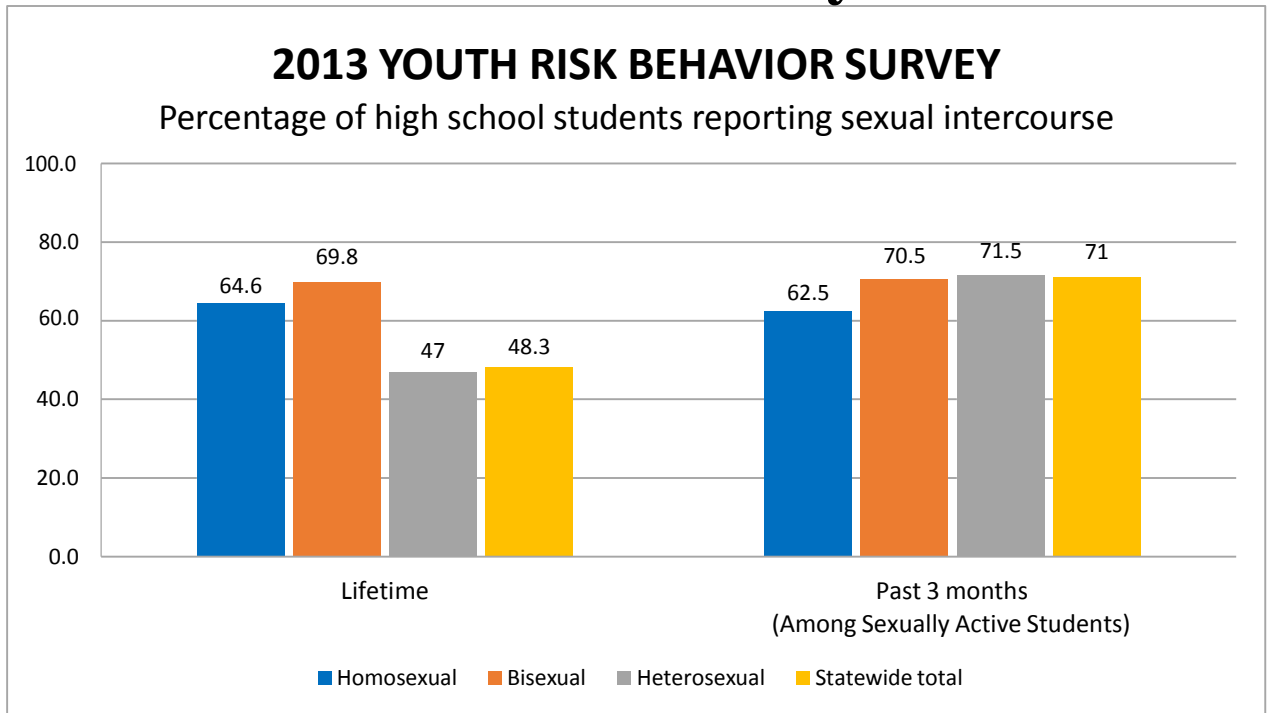


Figure 72 Percentage of high school students reporting sexual intercourse, by sexual orientation
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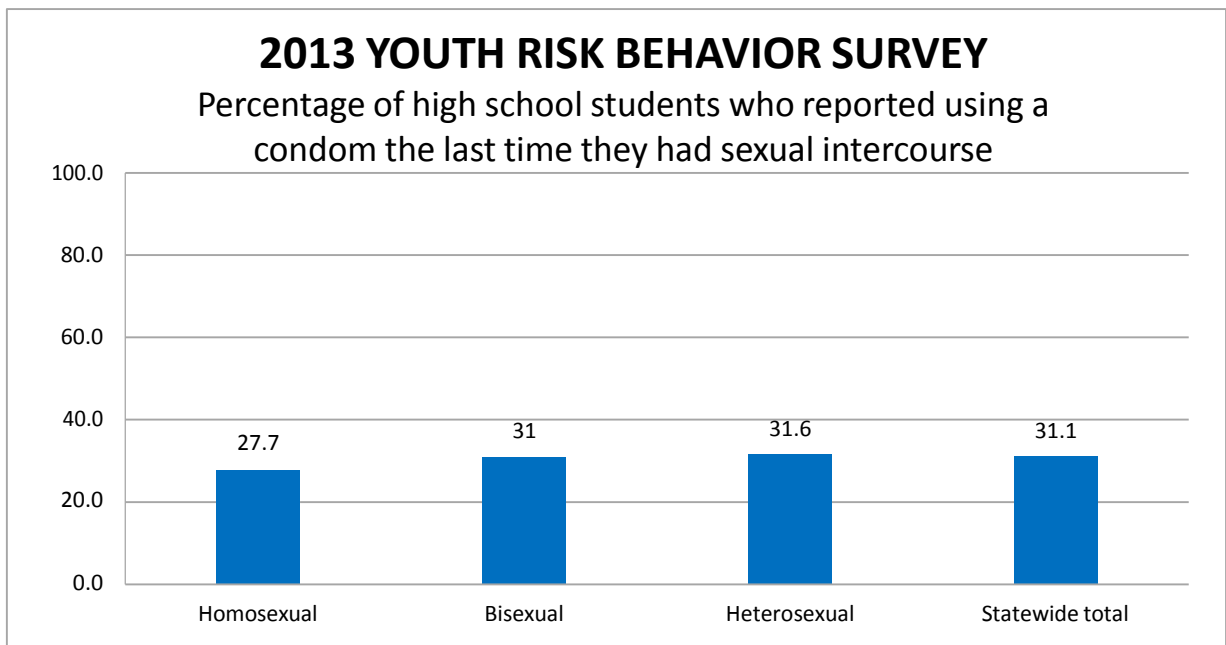


Figure 73 Percentage of high school students who reported using a condom, by sexual orientation
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NOTE:
unweighted data

Source:
[“2013 Delaware Youth Risk Behavior Survey \(YRBS\).” Centers for Disease Control and Prevention \(Administered by the Center for Drug and Health Studies, University of Delaware\).](#)

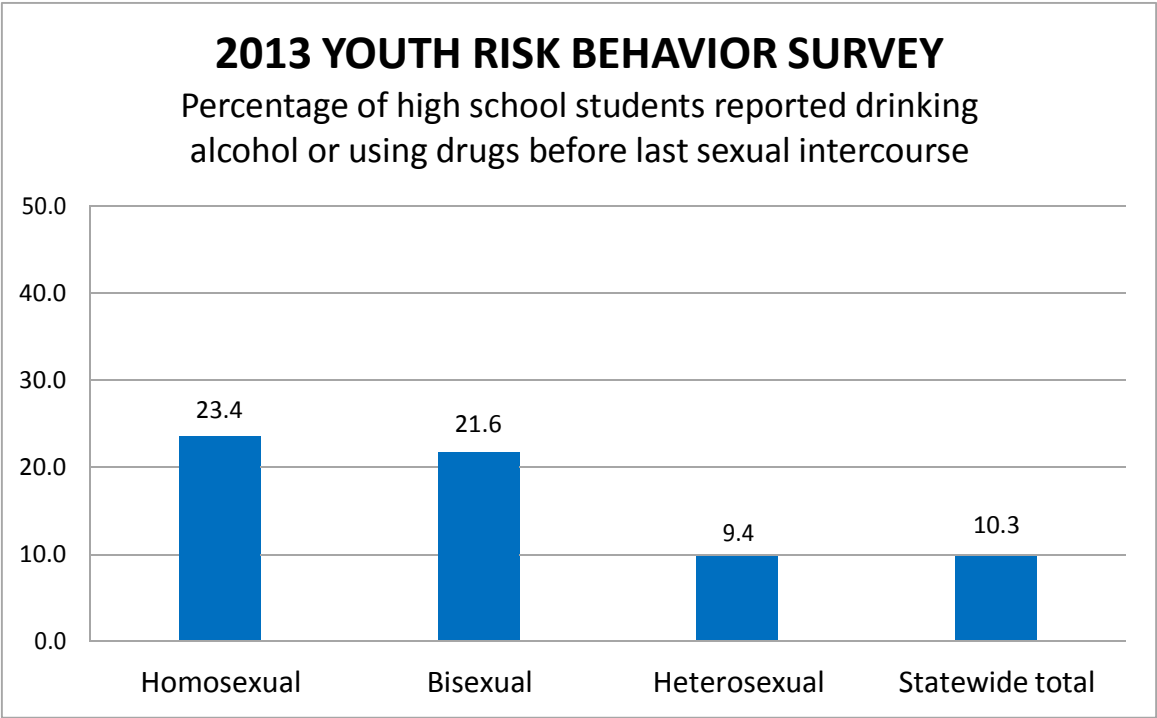


Figure 74 Percentage of high school students reported drinking alcohol or using drugs before last sexual intercourse, by sexual orientation
[Back to table of figures](#)

NOTE:
unweighted data

Source:
[“2013 Delaware Youth Risk Behavior Survey \(YRBS\).” Centers for Disease Control and Prevention \(Administered by the Center for Drug and Health Studies, University of Delaware\).](#)

Fighting and Weapon Use

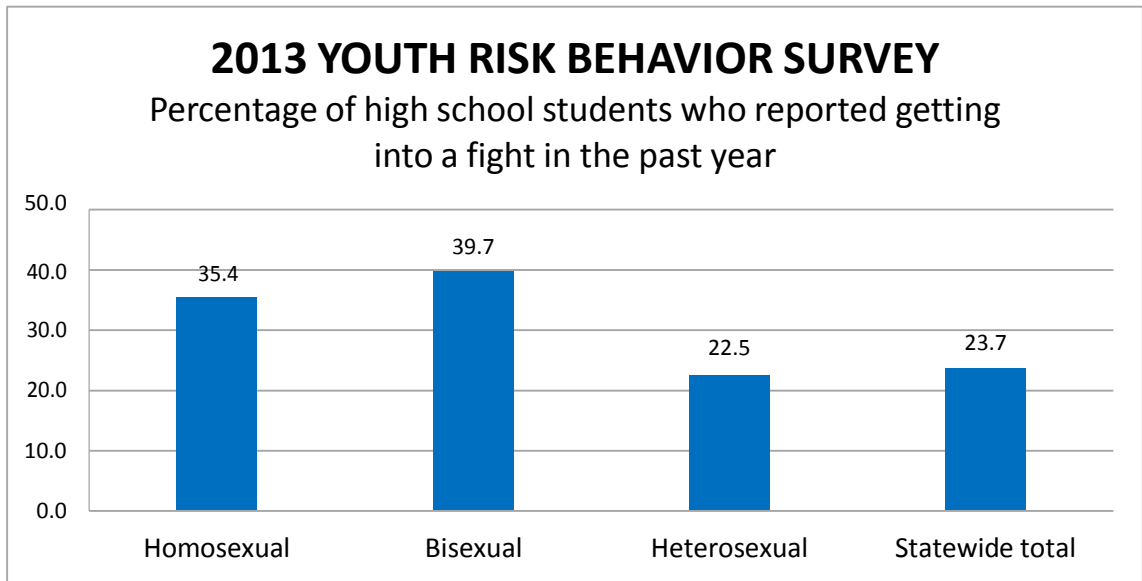


Figure 75 Percentage of high school students who reported getting into a fight in the past year, by sexual orientation
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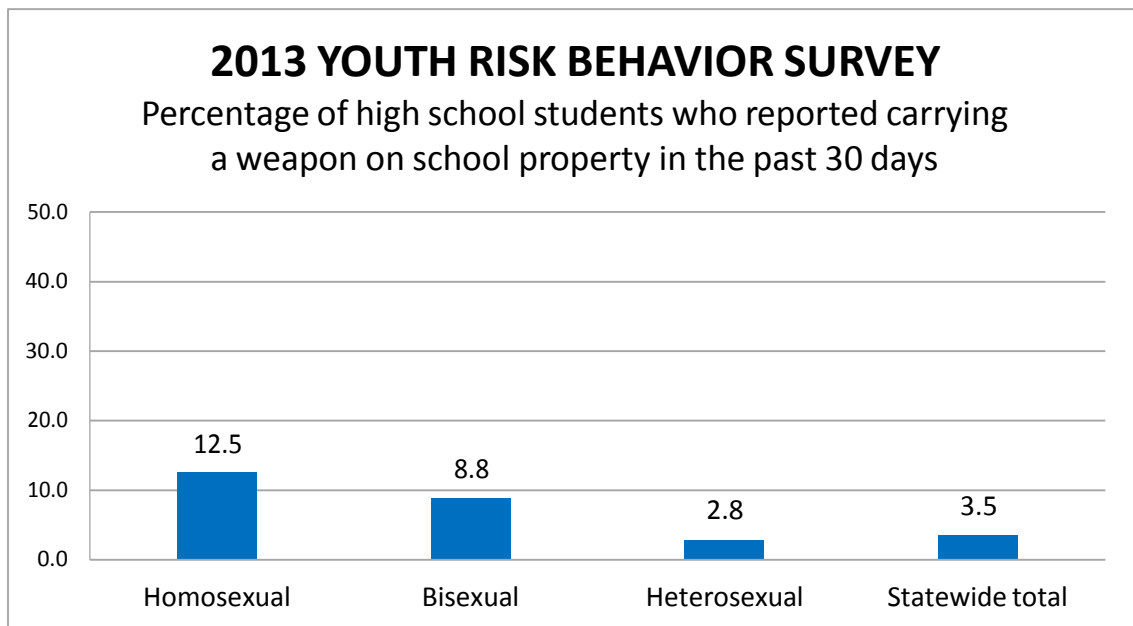


Figure 76 Percentage of high school students who reported carrying a weapon on school property in the past 30 days, by sexual orientation
[Back to table of figures](#)

NOTE:
unweighted data

Source:
[“2013 Delaware Youth Risk Behavior Survey \(YRBS\).” Centers for Disease Control and Prevention \(Administered by the Center for Drug and Health Studies, University of Delaware\).](#)

Bullying

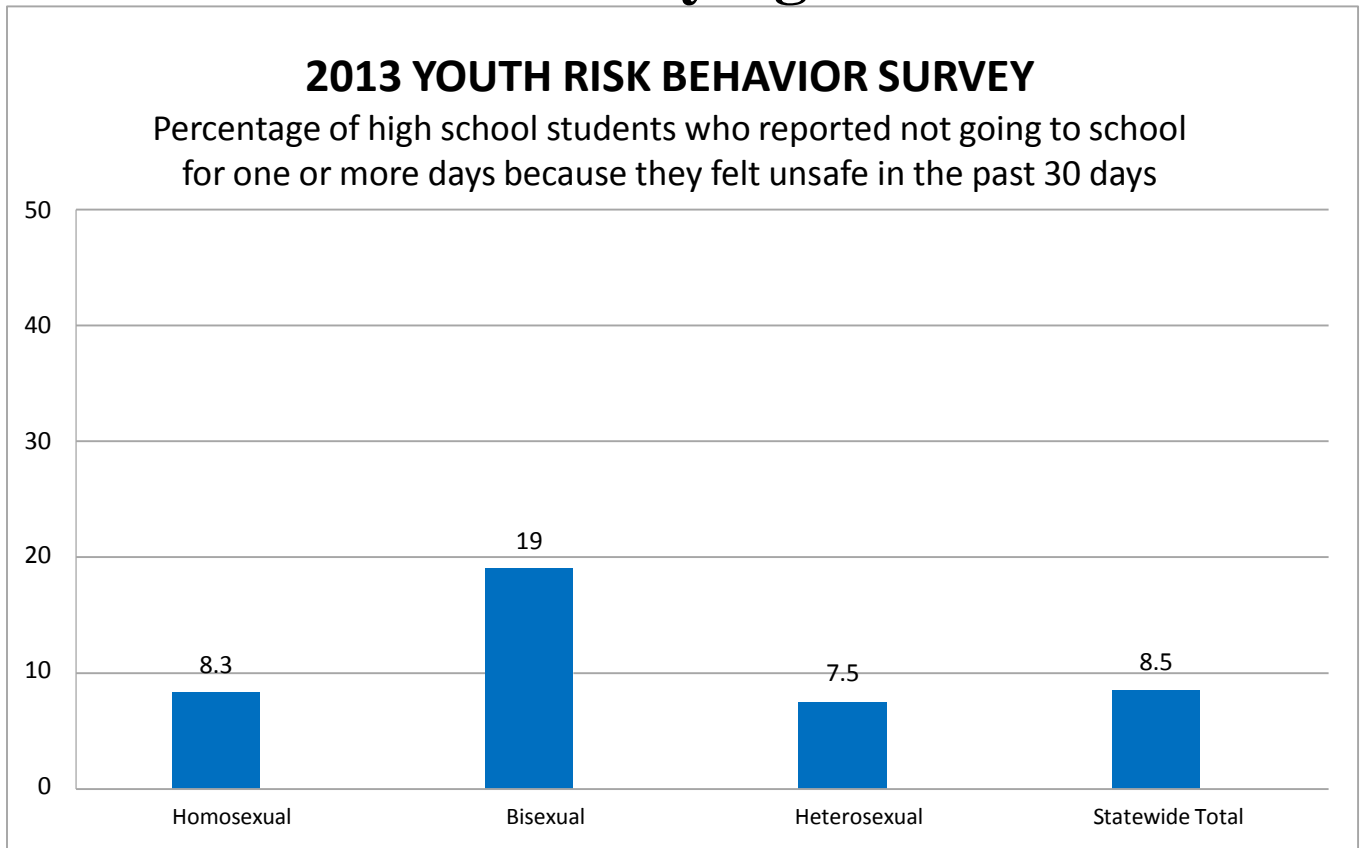


Figure 77 Percentage of high school students who reported not going to school because they felt unsafe in the past 30 days, by sexual orientation
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NOTE:
unweighted data

Source:
[“2013 Delaware Youth Risk Behavior Survey \(YRBS\).” Centers for Disease Control and Prevention \(Administered by the Center for Drug and Health Studies, University of Delaware\).](#)

Parental Relationships

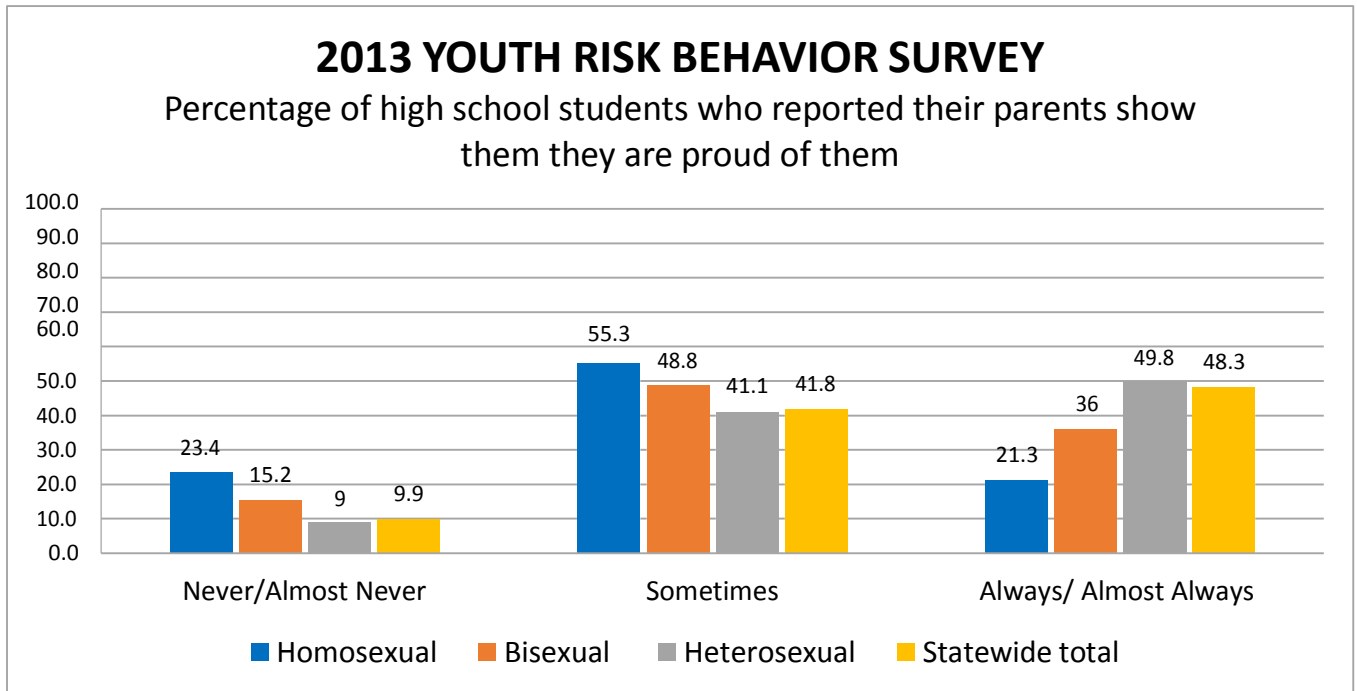


Figure 78 Percentage of high school students who reported their parents show them they are proud of them, by sexual orientation
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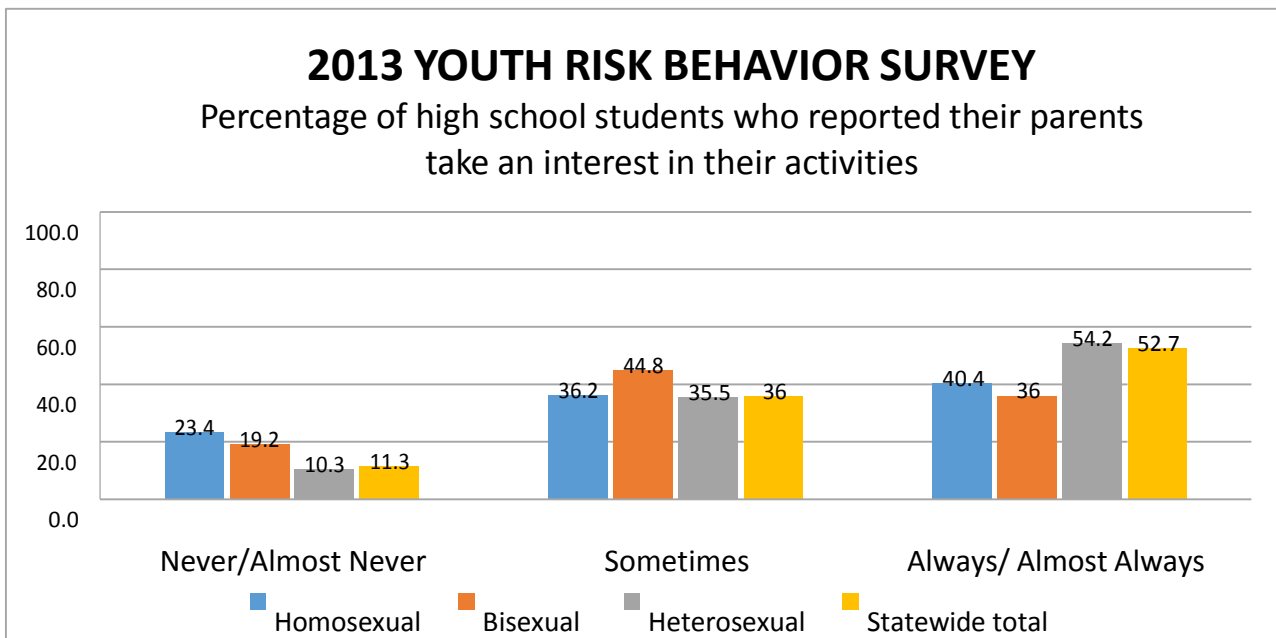


Figure 79 Percentage of high school students who reported their parents take an interest in their activities, by sexual orientation
[Back to table of figures](#)

NOTE:
 unweighted data

Source:
[“2013 Delaware Youth Risk Behavior Survey \(YRBS\).” Centers for Disease Control and Prevention \(Administered by the Center for Drug and Health Studies, University of Delaware\).](#)

2013 YOUTH RISK BEHAVIOR SURVEY

Percentage of high school students who reported being comfortable sharing their thoughts and feelings with their parents

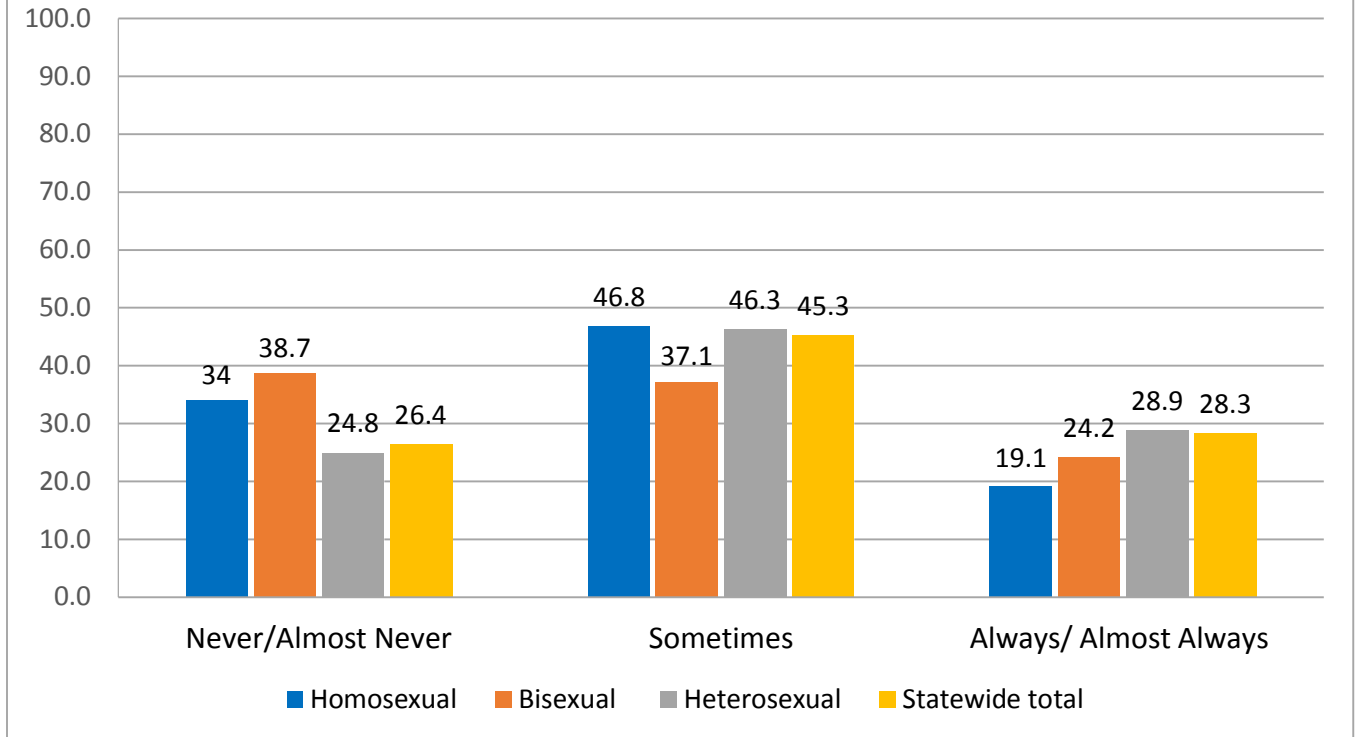


Figure 80 Percentage of high school students who reported being comfortable sharing their thoughts and feelings with their parents, by sexual orientation
[Back to table of figures](#)

NOTE:
unweighted data

Source:
[“2013 Delaware Youth Risk Behavior Survey \(YRBS\).” Centers for Disease Control and Prevention \(Administered by the Center for Drug and Health Studies, University of Delaware\).](#)

Mental Health

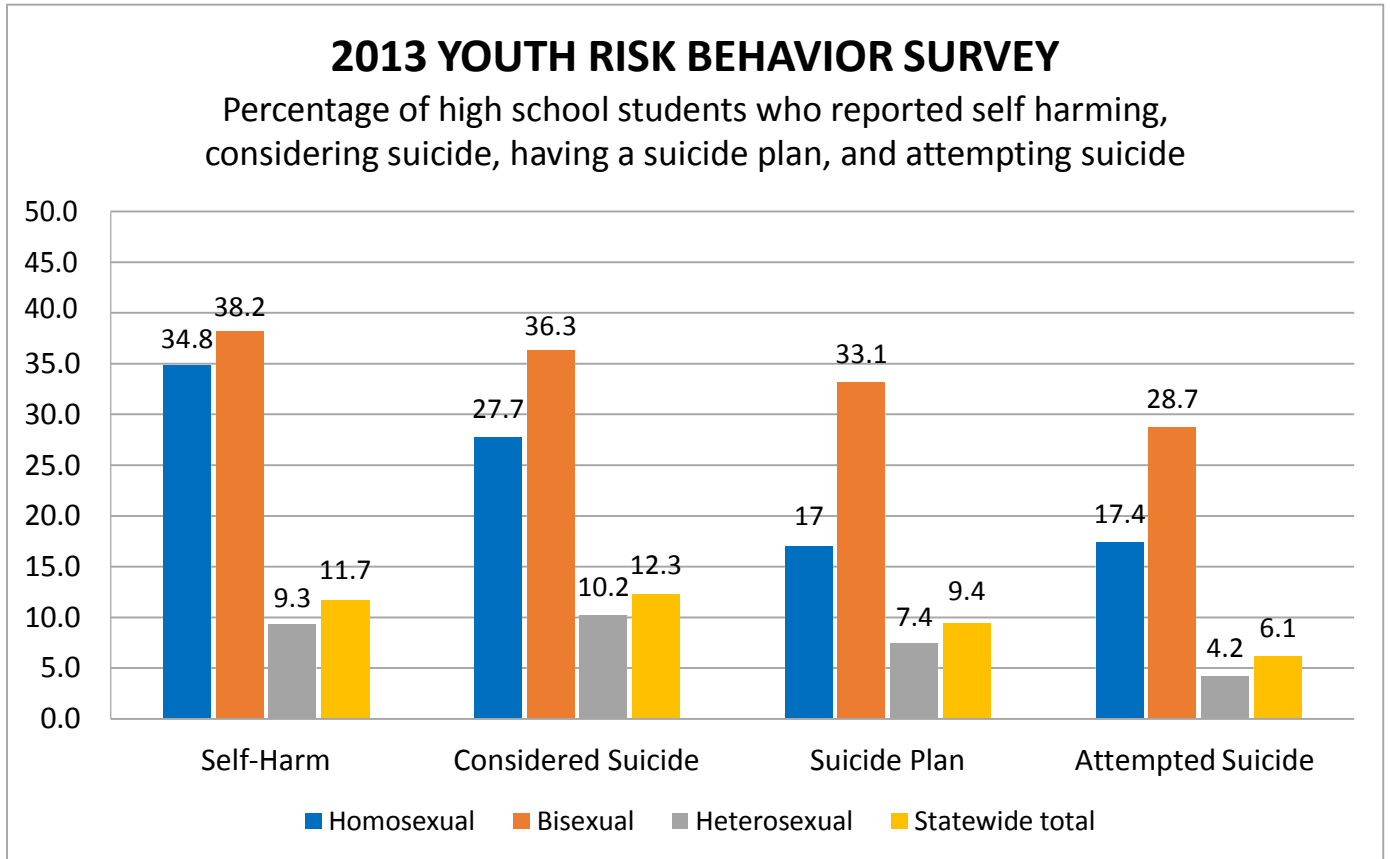


Figure 81 Percentage of high school students who reported self-harming, considering suicide, having a suicide plan, and attempting suicide, by sexual orientation
[Back to table of figures](#)

NOTE:
 unweighted data

Source:
[“2013 Delaware Youth Risk Behavior Survey \(YRBS\).” Centers for Disease Control and Prevention \(Administered by the Center for Drug and Health Studies, University of Delaware\).](#)

Context and Corollary Behaviors of Substance Use

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Past year factors of substance use 2014 Delaware School Surveys of 8th and 11th graders

Variable		8 th Grade	11 th Grade
Perceived Moderate & Great Risk in:			
	Smoking one or more packs of cigarettes a day	72%	83%
	Having one or two drinks of alcohol nearly every day	72%	82%
	Smoking marijuana regularly	68%	70%
Personal Disapproval^a of:			
	Smoking one or more packs of cigarettes a day	93%	89%
	Having one or two drinks of alcohol nearly every day	78%	65%
	Smoking marijuana regularly	82%	59%
Parents Know Where Student is When Not in School^b		91%	87%

Figure 82 past year factors of substance use among 8th and 11th graders
[Back to table of figures](#)

NOTE:

^a Respondents answered “wrong” or “very wrong”

^b Respondents answered “most of the time” or “often”

Source:

[“2014 Delaware School Survey.” Center for Drug and Health Studies, University of Delaware.](#)

2014 Delaware School Survey Perceived “moderate” and “great risk” in smoking a pack of cigarettes daily

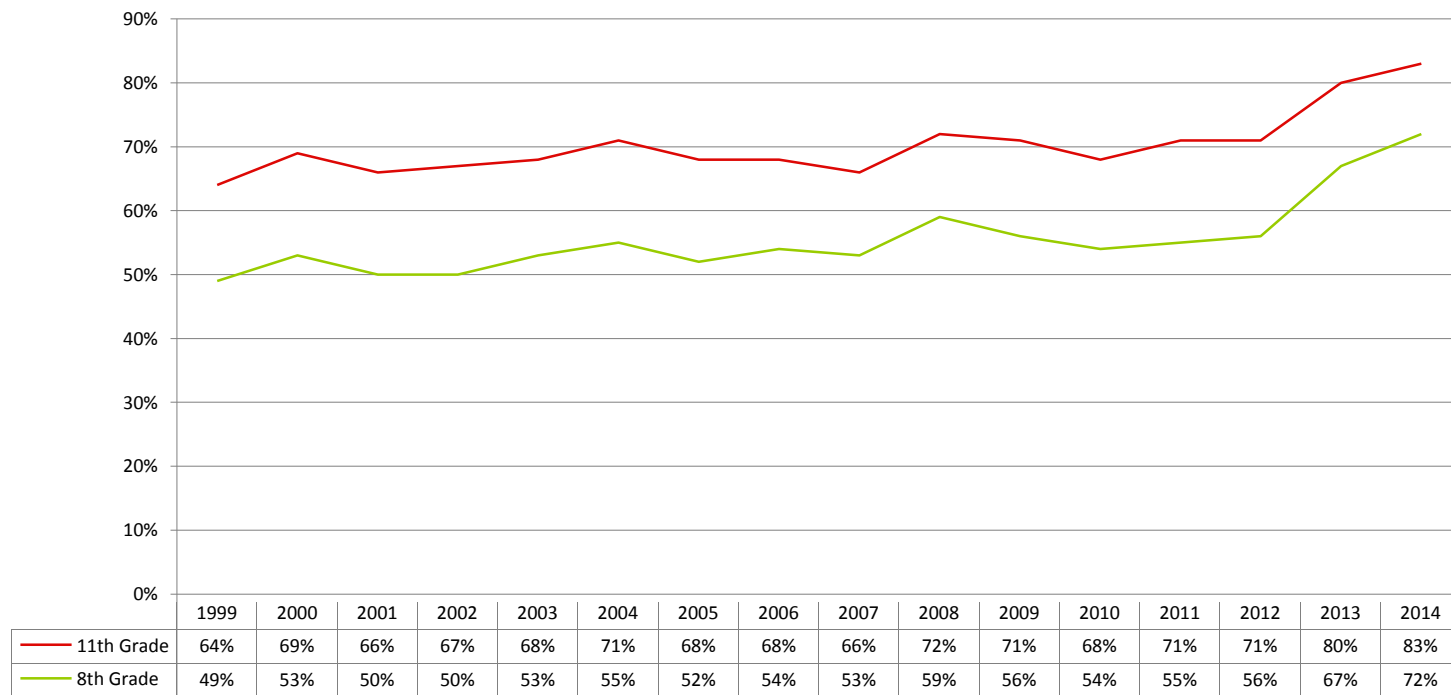
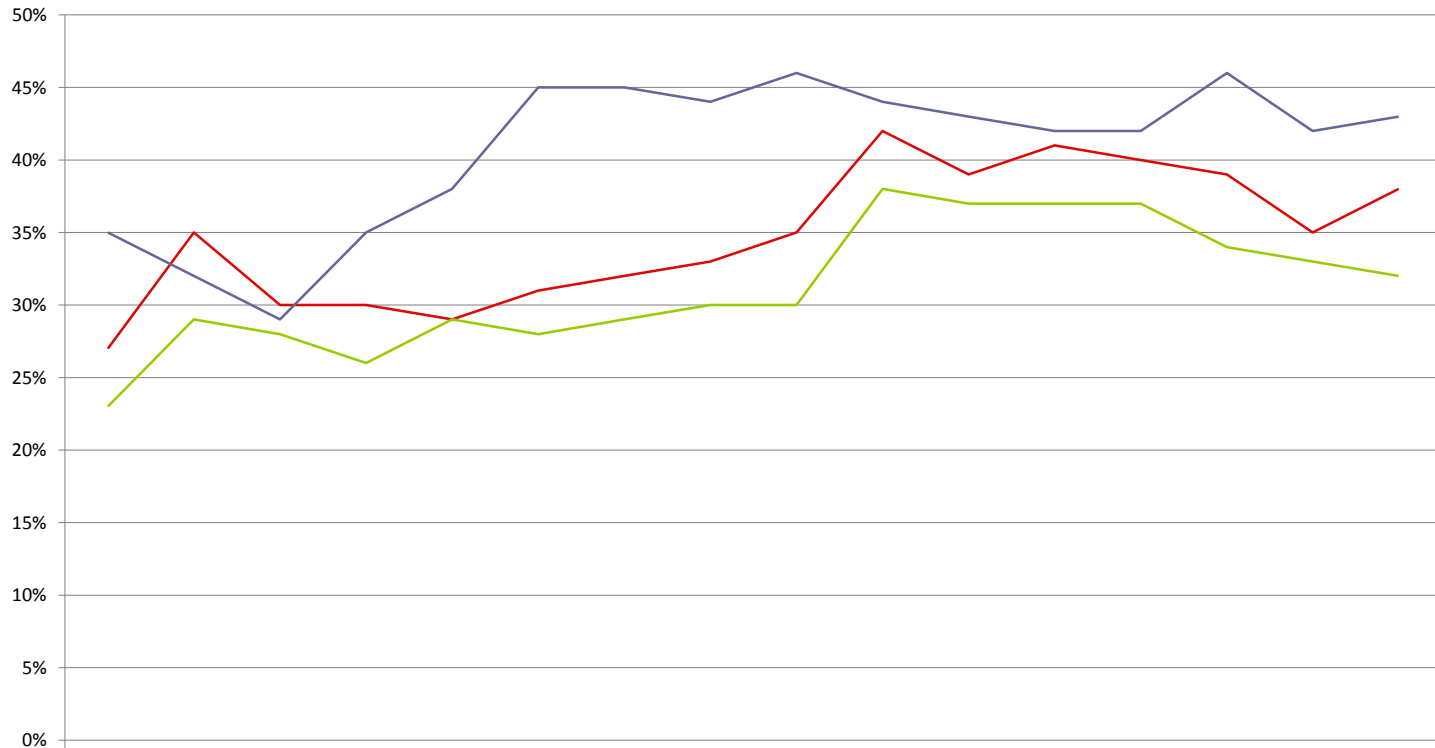


Figure 83 Perceived "moderate" and "great risk" in smoking a pack of cigarettes daily
[Back to table of figures](#)

Source:
[“2014 Delaware School Survey.” Center for Drug and Health Studies, University of Delaware.](#)

2014 DELAWARE SCHOOL SURVEY

Perceived "great risk" in drinking daily



	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
11th Grade	27%	35%	30%	30%	29%	31%	32%	33%	35%	42%	39%	41%	40%	39%	35%	38%
8th Grade	23%	29%	28%	26%	29%	28%	29%	30%	30%	38%	37%	37%	37%	34%	33%	32%
5th Grade	35%	32%	29%	35%	38%	45%	45%	44%	46%	44%	43%	42%	42%	46%	42%	43%

Figure 84 Perceived "great risk" in drinking daily

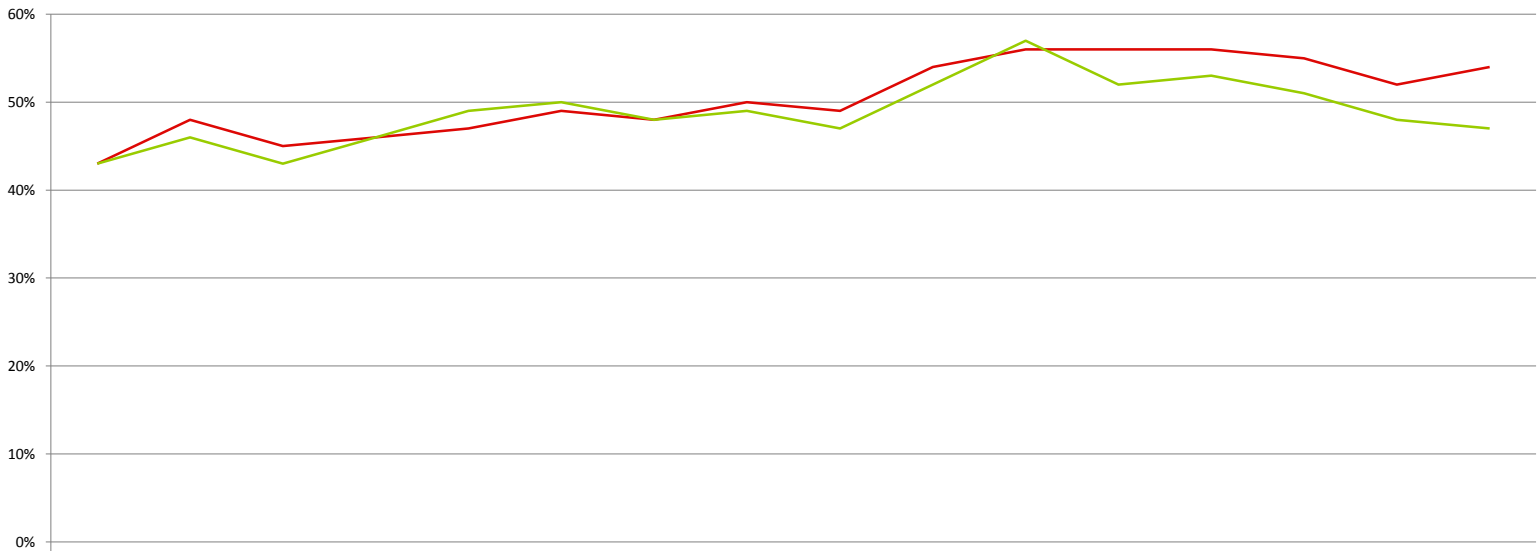
[Back to table of figures](#)

Source:

["2014 Delaware School Survey." Center for Drug and Health Studies, University of Delaware.](#)

2014 DELAWARE SCHOOL SURVEY

Perceived "great risk" in binge drinking



	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
11th Grade	43%	48%	45%	46%	47%	49%	48%	50%	49%	54%	56%	56%	56%	55%	52%	54%
8th Grade	43%	46%	43%	46%	49%	50%	48%	49%	47%	52%	57%	52%	53%	51%	48%	47%

Figure 85 Perceived "great risk" in binge drinking
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“Binge drinking” is defined as three or more drinks at a time.

Source:
[“2014 Delaware School Survey.” Center for Drug and Health Studies, University of Delaware.](#)

2014 DELAWARE SCHOOL SURVEY

Perceived "great risk" in using marijuana weekly

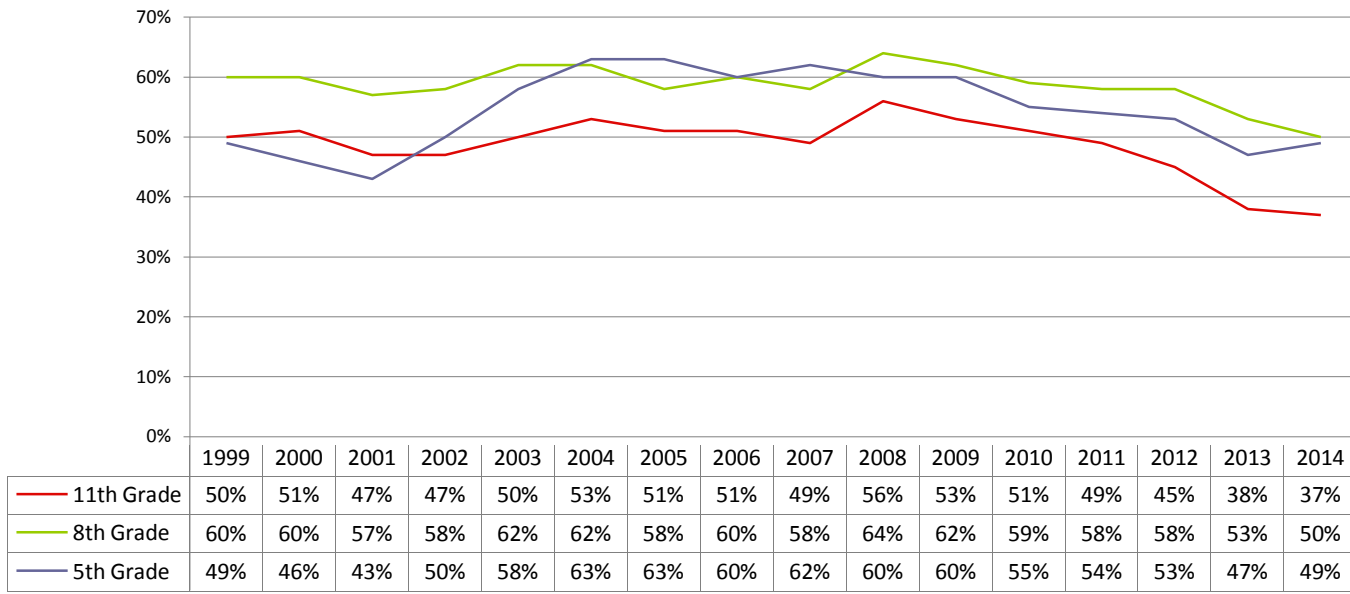


Figure 86 Perceived "great risk" in using marijuana weekly
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Source:
["2014 Delaware School Survey." Center for Drug and Health Studies, University of Delaware.](#)

NATIONAL SURVEY OF DRUG USE AND HEALTH (NSDUH)

Perceptions of Great Risk of Having Five or More Drinks of an Alcoholic Beverage Once or Twice a Week, by Age Group and State: 2011-2012 and 2012-2013 NSDUHs (in percentages)^a

State	12 or Older			AGE GROUP (Years)								
				12-17			18-25			26 or Older		
	2011-2012	2012-2013	<i>p</i> value ^b	2011-2012	2012-2013	<i>p</i> value ^b	2011-2012	2012-2013	<i>p</i> value ^b	2011-2012	2012-2013	<i>p</i> value ^b
Total U.S.	42.24	41.83	.134	40.21 ^c	39.35	.007	34.50 ^c	38.83	.039	43.84	43.52	.354
Northeast	40.79	40.36	.341	38.92	38.54	.500	31.73	31.50	.690	42.54	42.04	.390
Delaware	40.92	40.95	.982	39.75	39.50	.887	34.53	34.39	.936	42.15	42.23	.961
Maryland	43.58	42.02	.231	44.83 ^c	41.61	.048	35.45	35.13	.845	44.78	43.21	.337
New Jersey	42.97	42.79	.886	39.71	37.89	.246	32.59	33.70	.499	44.93	44.75	.908
Pennsylvania	37.02	36.97	.946	38.50	38.89	.679	29.79	29.34	.636	38.07	38.03	.960

Figure 87 Perceptions of great risk of having five or more drinks of an alcoholic beverage once or twice a week, by age group and state

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NOTE:

^a Estimates are based on a survey-weighted hierarchical Bayes estimation approach.

^b *p* value: Bayes posterior probability of no change.

^c Difference between the 2011-2012 estimate and the 2012-2013 estimate is statistically significant at the 0.05 level.

^d Difference between the 2011-2012 estimate and the 2012-2013 estimate is statistically significant at the 0.10 level.

Source:

[“2013 National Survey on Drug Use and Health.” Center for Behavioral Health Statistics and Quality, Substance Abuse and Mental Health Services Administration](#)

NATIONAL SURVEY OF DRUG USE AND HEALTH (NSDUH)

Perceptions of Great Risk of Smoking One or More Packs of Cigarettes Per Day, by Age Group and State: 2011-2012 and 2012-2013 NSDUHs

(in percentages)^a

State	12 or Older			AGE GROUP (Years)								
				12-17			18-25			26 or Older		
	2011-2012	2012-2013	<i>p</i> value ^b	2011-2012	2012-2013	<i>p</i> value ^b	2011-2012	2012-2013	<i>p</i> value ^b	2011-2012	2012-2013	<i>p</i> value ^b
Total U.S.	71.43	71.24	.409	65.92 ^c	64.96	.002	66.26	66.32	.828	73.01	72.86	.606
Northeast	73.68	73.30	.343	66.86 ^c	65.81	.043	67.61	68.00	.467	75.48	75.03	.375
Delaware	74.39	73.17	.253	65.06	65.64	.691	69.31	70.19	.552	76.34	74.52	.182
Maryland	75.18	74.30	.383	67.42	66.03	.362	68.13	67.10	.517	77.29	76.47	.519
New Jersey	76.90	76.19	.506	69.13 ^c	65.05	.006	70.15	71.77	.288	78.86	78.20	.622
Pennsylvania	67.84	68.55	.290	62.89	62.76	.889	61.35 ^d	63.12	.059	69.49	70.10	.478

Figure 88 Perceptions of great risk of smoking one or more packs of cigarettes per day, by age group and state

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NOTE:

^a Estimates are based on a survey-weighted hierarchical Bayes estimation approach.

^b *p* value: Bayes posterior probability of no change.

^c Difference between the 2011-2012 estimate and the 2012-2013 estimate is statistically significant at the 0.05 level.

^d Difference between the 2011-2012 estimate and the 2012-2013 estimate is statistically significant at the 0.10 level.

Source:

[“2013 National Survey on Drug Use and Health.” Center for Behavioral Health Statistics and Quality, Substance Abuse and Mental Health Services Administration](#)

NATIONAL SURVEY ON DRUG USE AND HEALTH (NSDUH)

Perceptions of Great Risk of Smoking Marijuana Once a Month, by Age Group and State: 2011-2012 and 2012-2013 NSDUHs
(in percentages)^a

State	AGE GROUP (Years)											
	12 or Older			12-17			18-25			26 or Older		
	2011-2012	2012-2013	p value ^b	2011-2012	2012-2013	p value ^b	2011-2012	2012-2013	p value ^b	2011-2012	2012-2013	p value ^b
Total U.S.	31.37 ^c	29.50	.000	27.02 ^c	25.34	.000	17.37 ^c	15.81	.000	34.36 ^c	32.40	.000
Northeast	29.56 ^c	27.74	.000	24.64 ^c	23.56	.031	14.85 ^c	13.21	.000	32.62 ^c	30.66	.001
Delaware	30.10	28.95	.312	22.15	21.67	.749	14.78 ^d	12.90	.056	33.66	32.51	.426
Maryland	31.94 ^d	29.97	.094	25.38	23.57	.198	17.66 ^c	15.00	.027	35.13	33.23	.195
New Jersey	33.62	33.22	.755	25.80	24.69	.444	14.63	14.95	.776	37.46	37.03	.787
Pennsylvania	30.96 ^c	29.19	.008	27.15	26.95	.821	16.28 ^c	14.59	.013	33.88 ^c	31.89	.019

Figure 89 Perceptions of great risk of smoking marijuana once a month, by age group and state
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NOTE:

^a Estimates are based on a survey-weighted hierarchical Bayes estimation approach.

^b p value: Bayes posterior probability of no change.

^c Difference between the 2011-2012 estimate and the 2012-2013 estimate is statistically significant at the 0.05 level.

^d Difference between the 2011-2012 estimate and the 2012-2013 estimate is statistically significant at the 0.10 level.

Source:

[“2013 National Survey on Drug Use and Health.” Center for Behavioral Health Statistics and Quality, Substance Abuse and Mental Health Services Administration](#)