

## Section C: MSS, MACHB, PRAMS, YRBS, BRFSS, AND MTF SURVEYS

Click on the [red page number](#) links or scroll down to view the pages in this section.

### Missouri Student Survey (MSS): Missouri Students in Grades 6-12

Alcohol Use in Past Month	<a href="#">C-01</a>	Binge Alcohol Use in Past 2 Weeks	<a href="#">C-02</a>
Alcohol Impaired Driving, and Riding with Impaired Driver in Past 30 Days		<a href="#">C-03</a>	
Cigarette Use in Past 30 Days and Lifetime	<a href="#">C-04</a>	Electronic Cigarette Use in Past 30 Days and Lifetime	<a href="#">C-05</a>
Chewing Tobacco Use in Past 30 Days and Lifetime	<a href="#">C-06</a>	Hookah Use in Past 30 Days and Lifetime	<a href="#">C-07</a>
Inhalant Use in Past 30 Days and Lifetime	<a href="#">C-08</a>	Marijuana Use in Past 30 Days and Lifetime	<a href="#">C-09</a>
Hallucinogen Use in Lifetime	<a href="#">C-10</a>	Club Drug Use in Lifetime	<a href="#">C-11</a>
Synthetic Drug Use in Past 30 Days and Lifetime	<a href="#">C-12</a>	Cocaine Use in Lifetime	<a href="#">C-13</a>
Methamphetamine Use in Lifetime	<a href="#">C-14</a>	Heroin Use in Lifetime	<a href="#">C-15</a>
Non-medical Use of Over-The-Counter Drug in Past 30 Days and Lifetime		<a href="#">C-16</a>	
Non-medical Use of Pharmaceutical Drug in Past 30 Days and Lifetime		<a href="#">C-17</a>	
Depression in Past 30 Days	<a href="#">C-18</a>	Victim of Covert Bullying in Past 3 Months	<a href="#">C-19</a>
Victim of Aggressive Behavior in Past 3 Months	<a href="#">C-20</a>	Thoughts of Suicide in Past Year	<a href="#">C-21</a>

### Missouri Assessment of College Health Behaviors (MACHB): Students in Missouri Universities and Colleges

Alcohol and Tobacco Use	<a href="#">C-22</a>	Marijuana/Cannabis Use	<a href="#">C-23</a>
Illicit Drug Use	<a href="#">C-24</a>	Non-prescribed Pharmaceutical Drug Use	<a href="#">C-25</a>
Data Table for Substance Use Prevalence	<a href="#">C-26</a>	Data Table for Adverse Impacts of Substance Use	<a href="#">C-27</a>
Data Table for Mental Health Issues	<a href="#">C-28</a>		

### Youth Risk Behavior Survey (YRBS): U.S. and Missouri Students in Grades 9-12

Alcohol Use in Past 30 Days	<a href="#">C-29</a>	Binge Alcohol Use in Past 30 Days	<a href="#">C-30</a>
First Alcohol Use before Age 13	<a href="#">C-31</a>	Cigarette Use in Past 30 Days	<a href="#">C-32</a>
Marijuana Use in Past 30 Days	<a href="#">C-33</a>	Serious Thoughts of Suicide in Past Year	<a href="#">C-34</a>
Data Table for Grade 9	<a href="#">C-35</a>	Data Table for Grade 10	<a href="#">C-36</a>
Data Table for Grade 11	<a href="#">C-37</a>	Data Table for Grade 12	<a href="#">C-38</a>

### Pregnancy Risk Assessment and Monitoring System (PRAMS): Mothers of Missouri Newborns

Alcohol Use during Pregnancy	<a href="#">C-39</a>	Tobacco Smoking during Pregnancy	<a href="#">C-40</a>
Substance Use during Pregnancy	<a href="#">C-41</a>	Depression during Pregnancy	<a href="#">C-42</a>
Substance Use Screening during Pregnancy	<a href="#">C-43</a>		

### Behavioral Risk Factor Surveillance System (BRFSS): U.S. and Missouri Adults

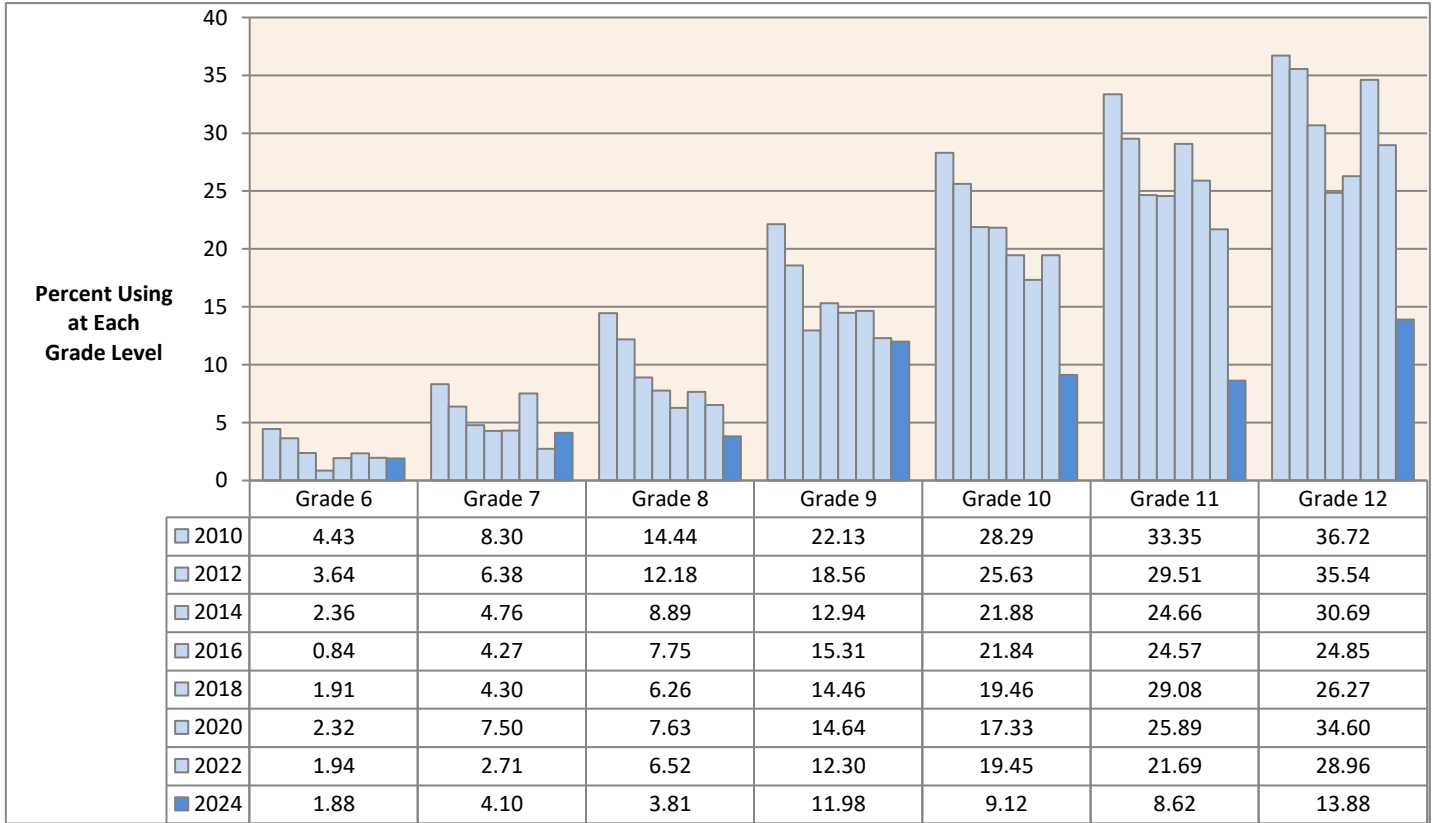
Alcohol Use by U.S. and Missouri Adults Ages 18 and Older	<a href="#">C-44</a>
Prevalence of Tobacco Use by U.S. and Missouri Adults Ages 18 and Older	<a href="#">C-45</a>
Frequency of Tobacco Smoking by U.S. and Missouri Adults Ages 18 and Older	<a href="#">C-46</a>
Mental Health Issues of U.S. and Missouri Adults Ages 18 and Older	<a href="#">C-47</a>

### Monitoring The Future Survey (MTF): U.S. High School and College Students and Young Adults

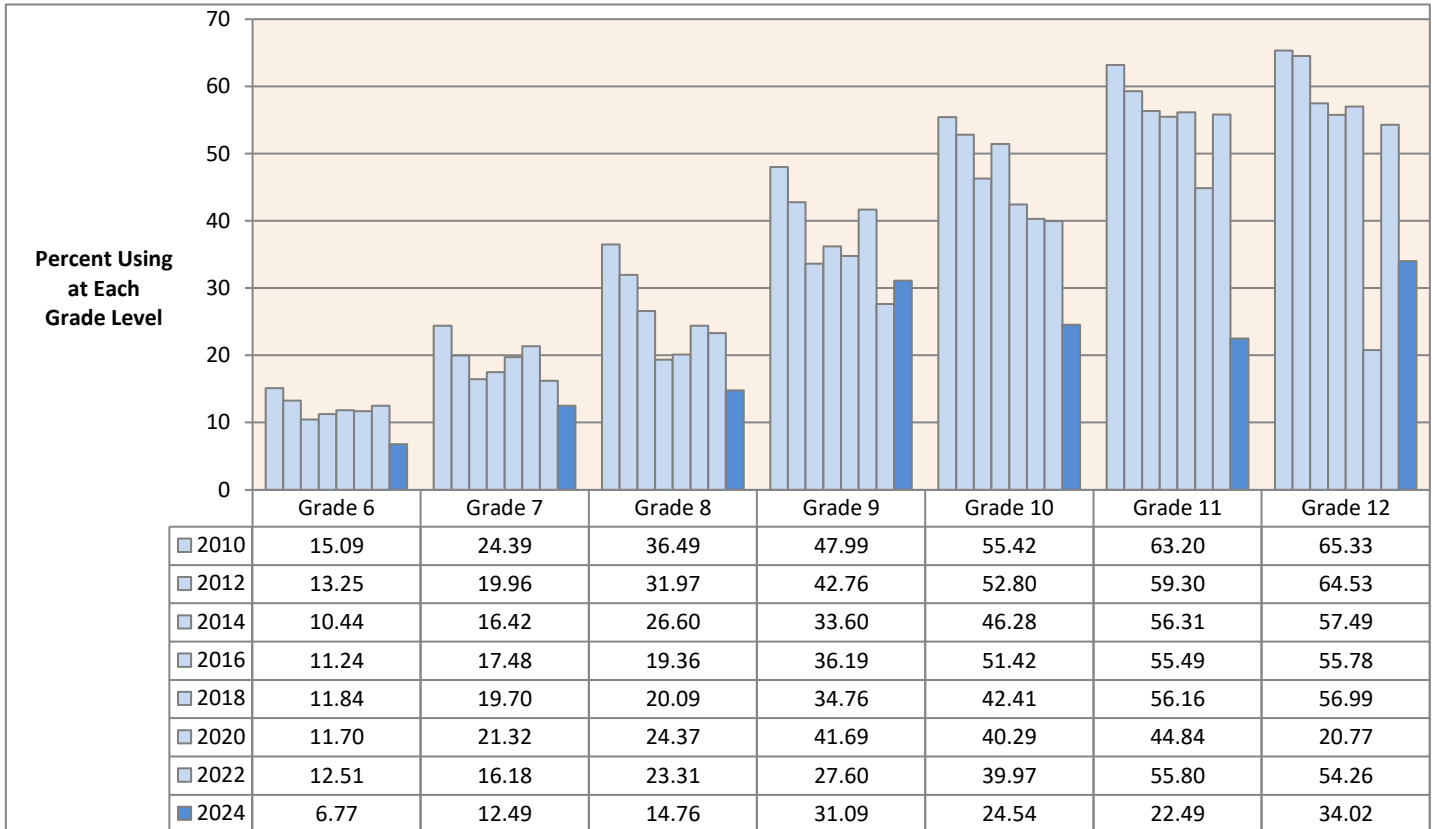
Current Use by U.S. Students in Grade 8	<a href="#">C-48</a>	Past Use by U.S. Students in Grade 8	<a href="#">C-49</a>
Current Use by U.S. Students in Grade 10	<a href="#">C-50</a>	Past Use by U.S. Students in Grade 10	<a href="#">C-51</a>
Current Use by U.S. Students in Grade 12	<a href="#">C-52</a>	Past Use by U.S. Students in Grade 12	<a href="#">C-53</a>
Current Use by U.S. College Students	<a href="#">C-54</a>	Past Use by U.S. College Students	<a href="#">C-55</a>
Current and Past Use for U.S. Adults Ages 19-30	<a href="#">C-56</a>	Current and Past Use for U.S. Adults Ages 35-50	<a href="#">C-57</a>

## ALCOHOL USE: MISSOURI STUDENTS IN GRADES 6-12

### Past 30-Day Use of Alcohol: Missouri Students in Grades 6-12



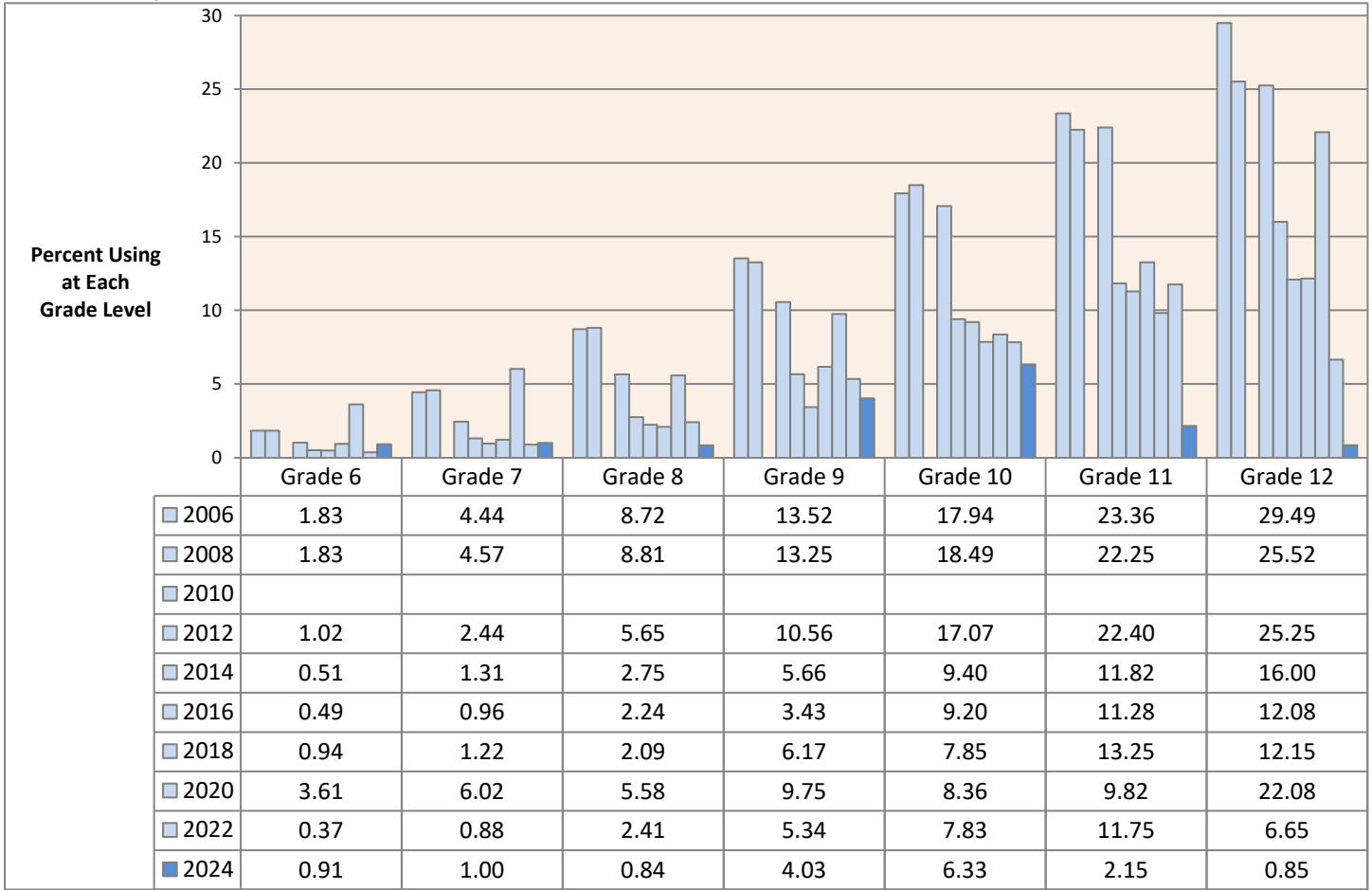
### Lifetime Use of Alcohol: Missouri Students in Grades 6-12



Data Source: Missouri Institute of Mental Health. Missouri Student Survey. Data are weighted.

## BINGE DRINKING: MISSOURI STUDENTS IN GRADES 6-12

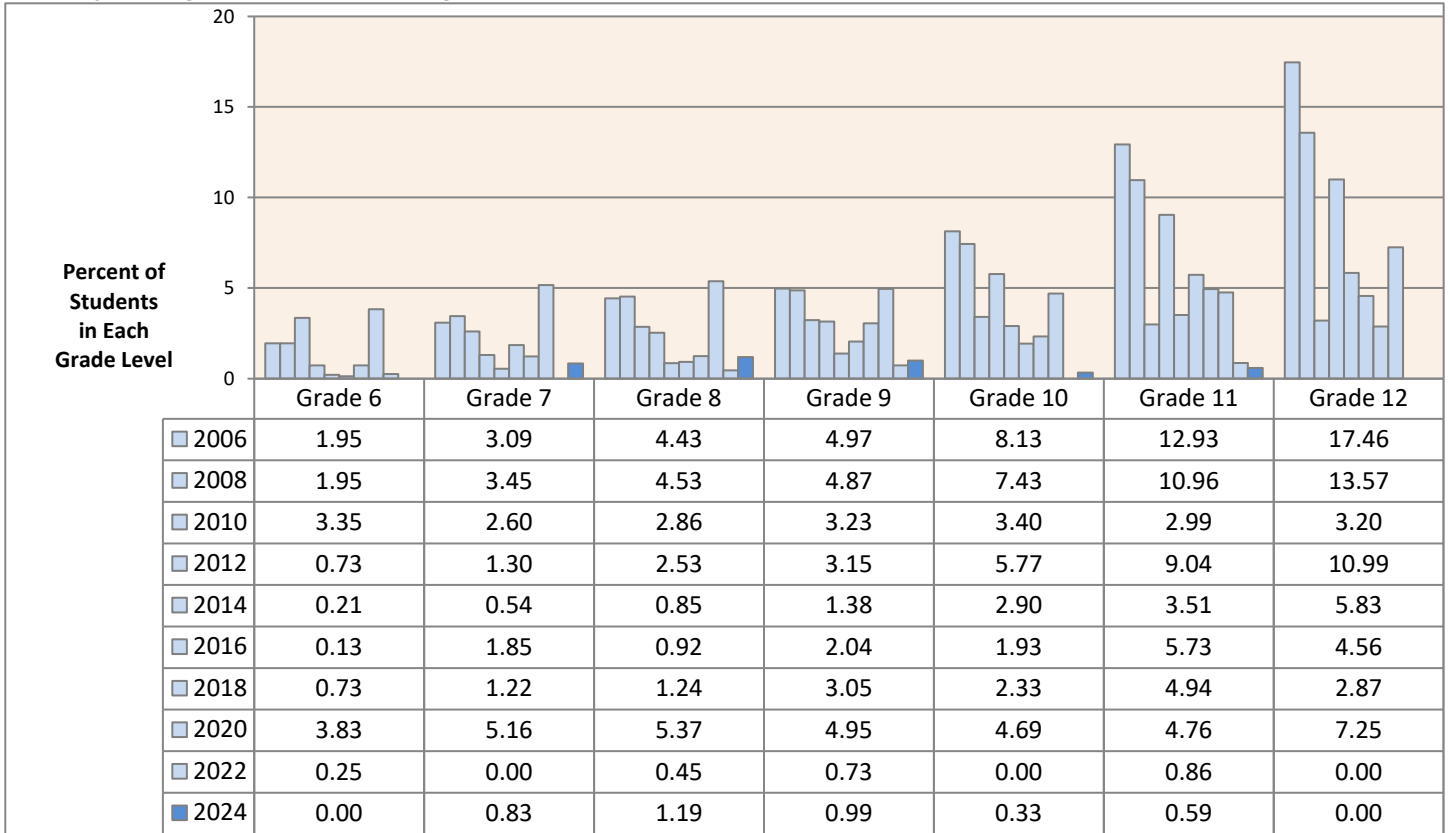
**Past 2-Week Binge Alcohol Use, 5 or More Drinks on Same Occasion: Missouri Students in Grades 6-12**



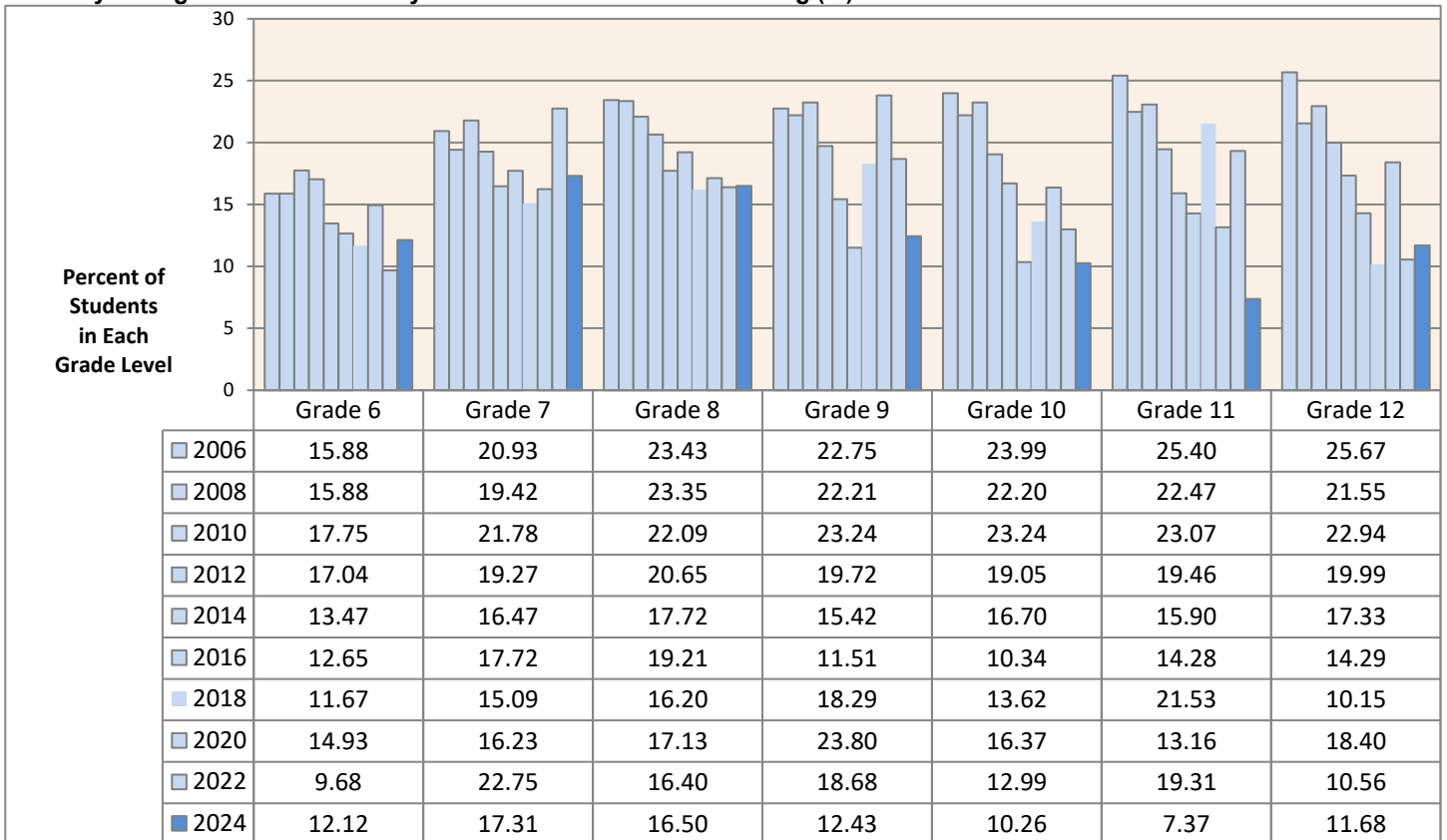
Data Source: Missouri Institute of Mental Health. Missouri Student Survey. Data are weighted. 2010 data are not available for this measure.

## IMPAIRED DRIVING: MISSOURI STUDENTS IN GRADES 6-12

**Past 30-Day Driving Vehicle After Drinking Alcohol (%): Missouri Students in Grades 6-12**



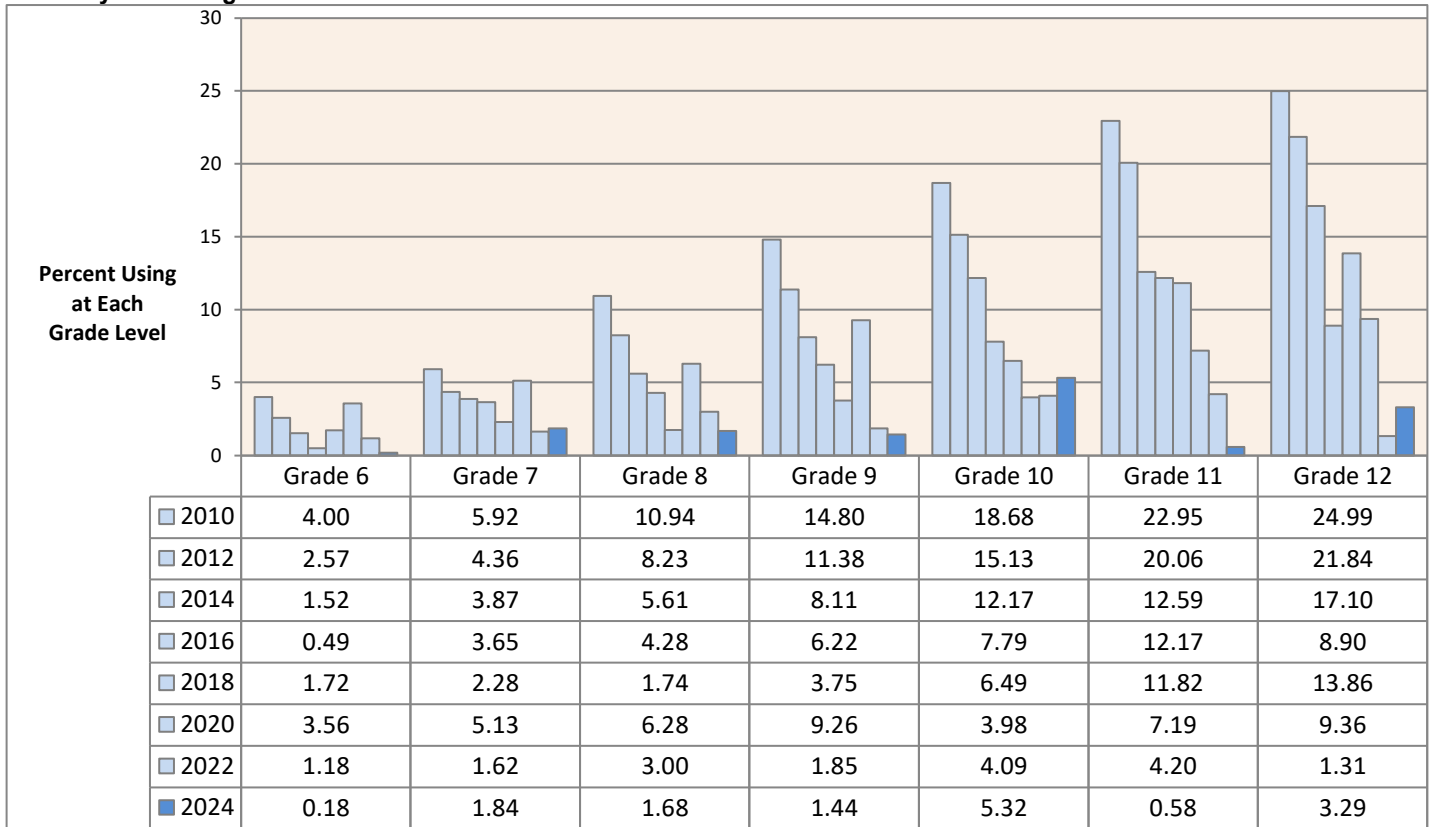
**Past 30-Day Riding in Vehicle Driven by Someone Who Had Been Drinking (%): Missouri Students in Grades 6-12**



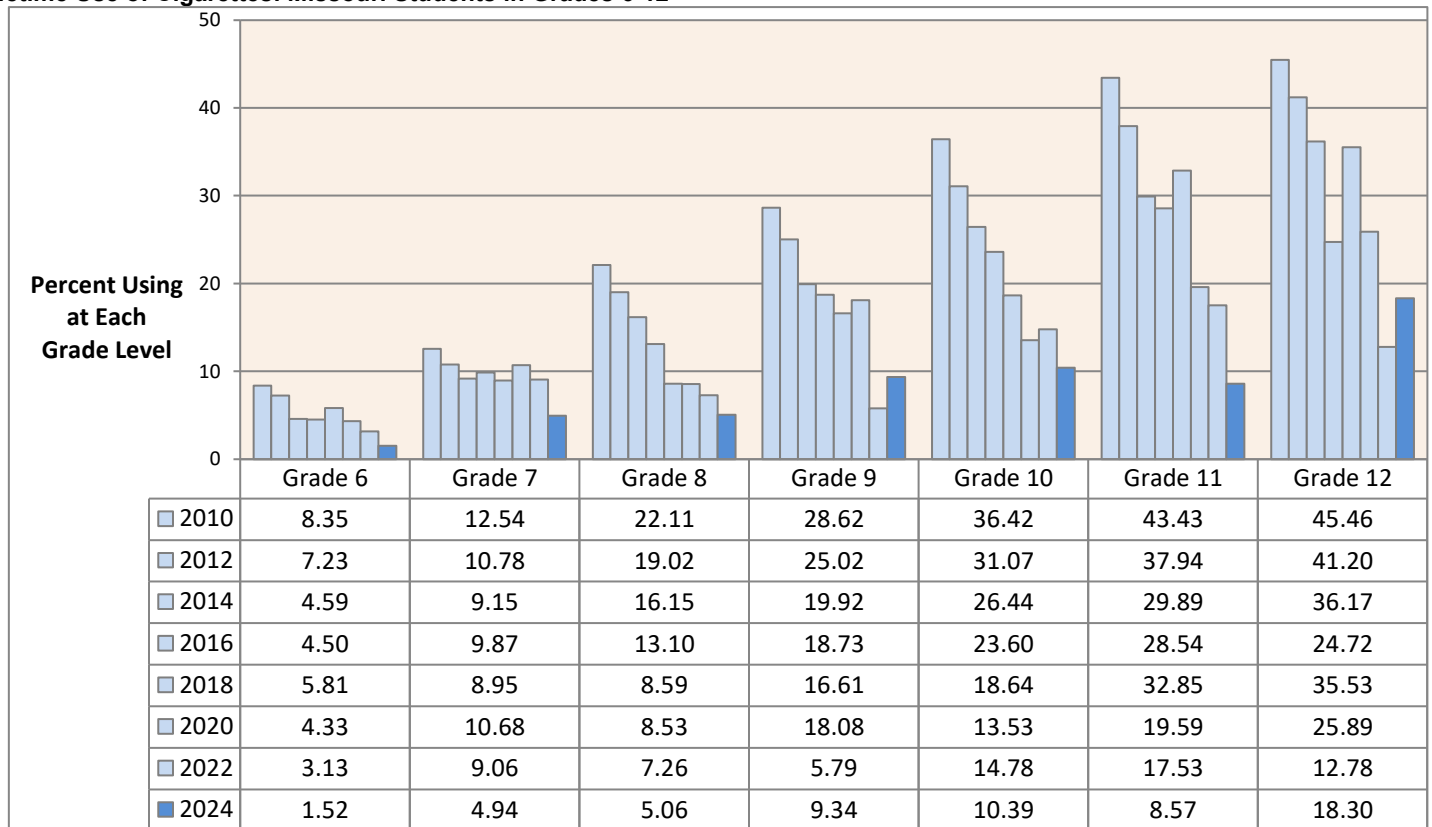
Data Source: Missouri Institute of Mental Health. Missouri Student Survey. Data are weighted.

## CIGARETTE USE: MISSOURI STUDENTS IN GRADES 6-12

### Past 30-Day Use of Cigarettes: Missouri Students in Grades 6-12



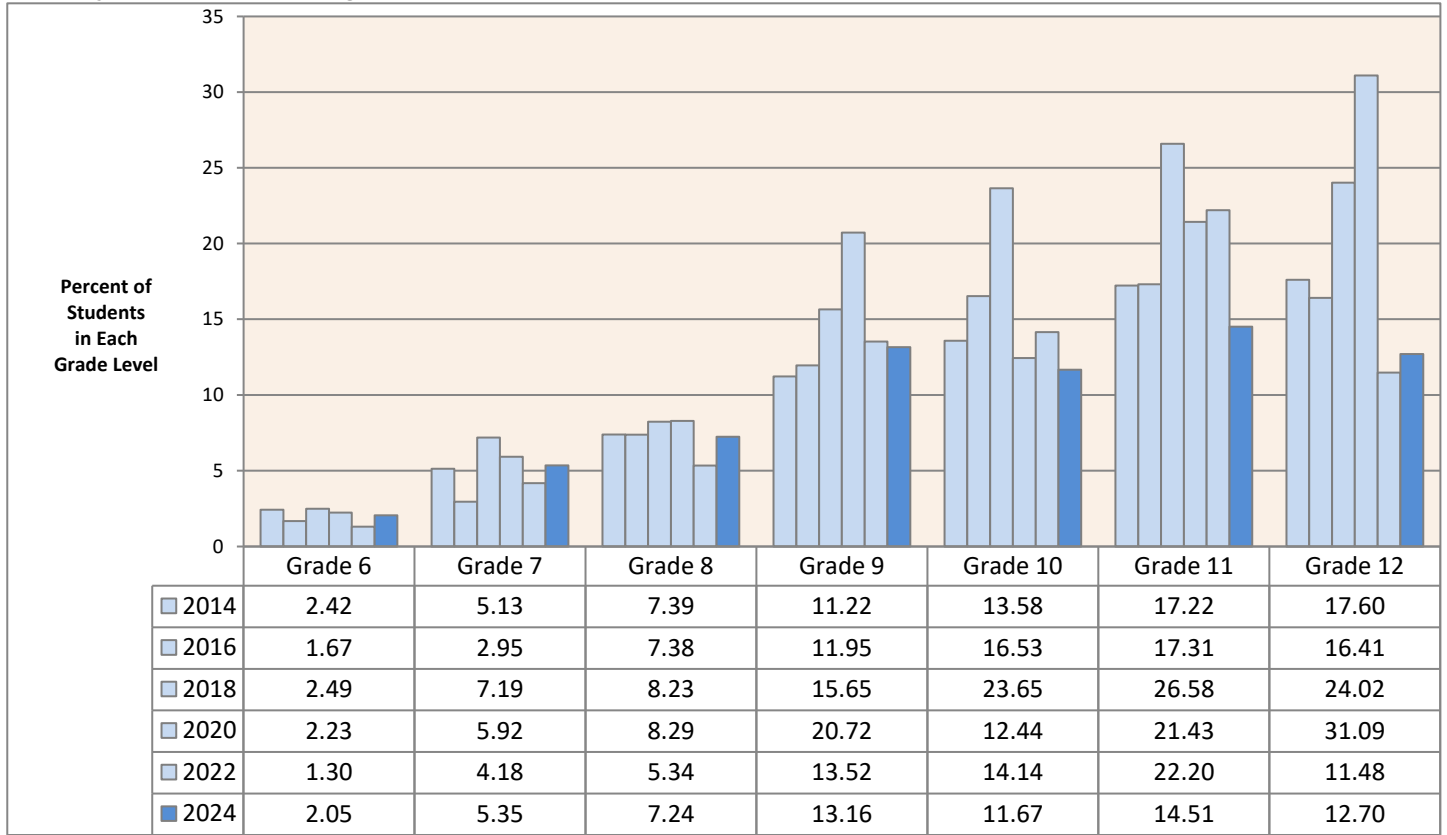
### Lifetime Use of Cigarettes: Missouri Students in Grades 6-12



Data Source: Missouri Institute of Mental Health. Missouri Student Survey. Data are weighted.

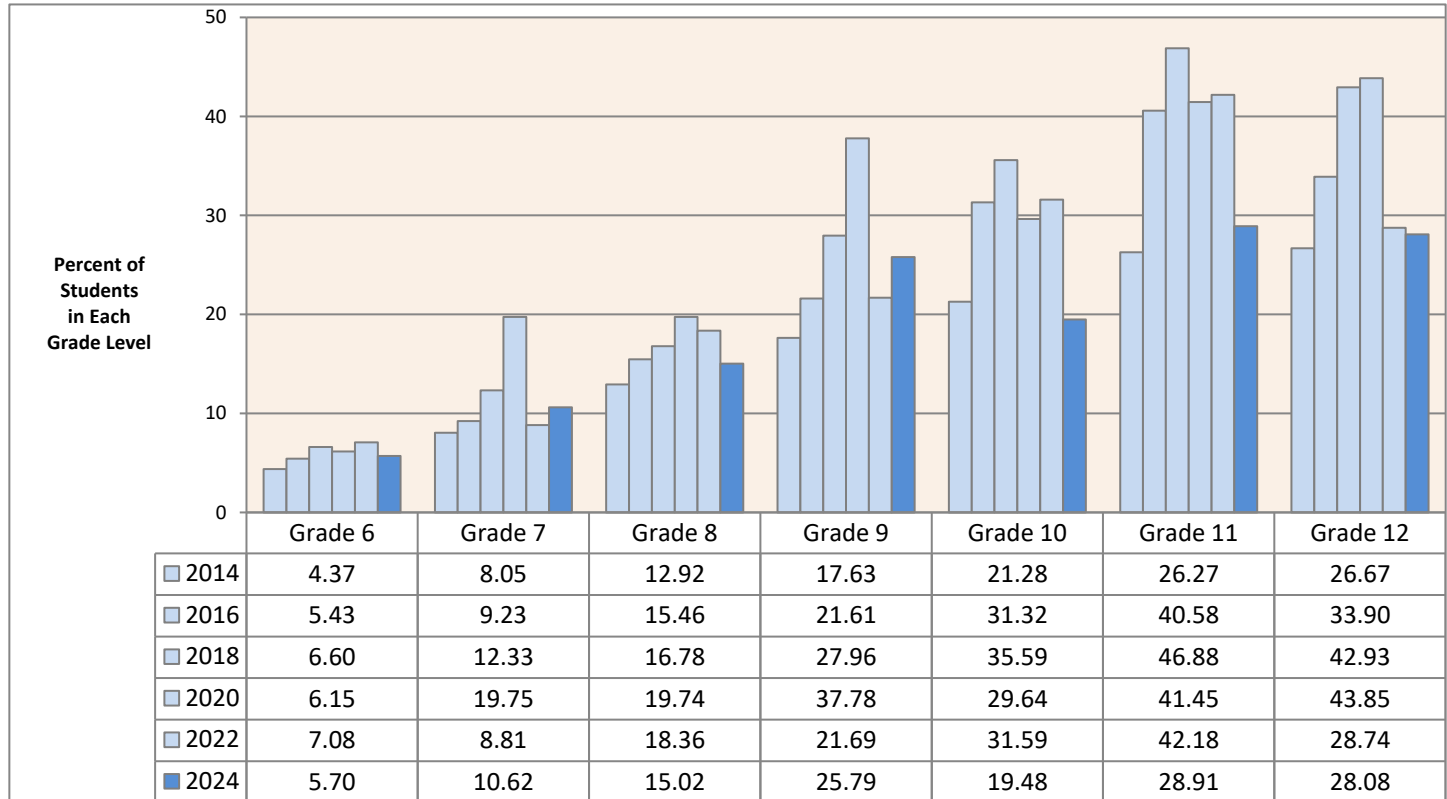
## ELECTRONIC CIGARETTE USE: MISSOURI STUDENTS IN GRADES 6-12

**Past 30-Day Use of Electronic Cigarettes\* (%): Missouri Students in Grades 6-12**



\* In the MSS questionnaire, e-cigs, mods, and vapes are listed as examples of electronic cigarettes.

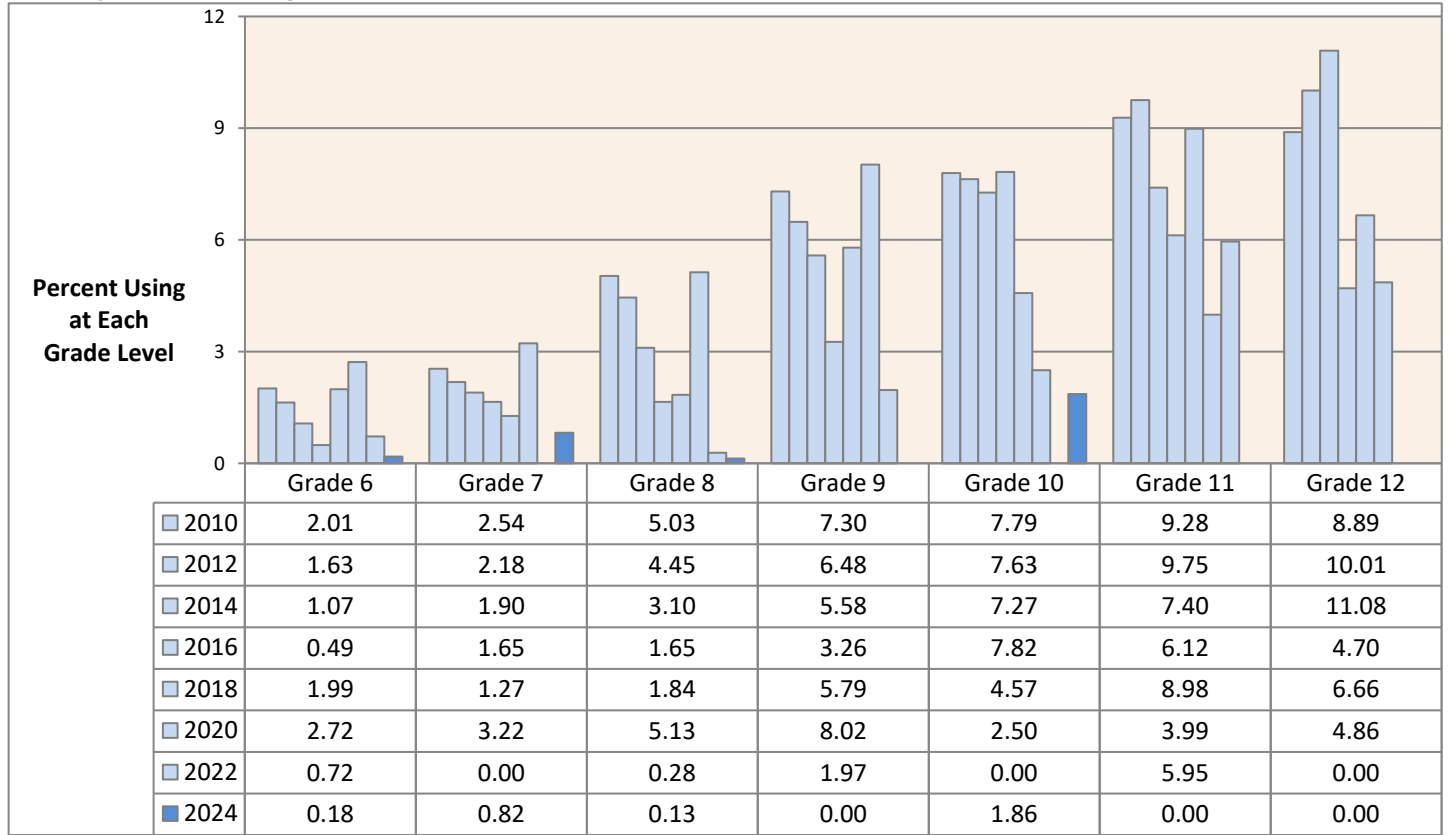
**Lifetime Use of Electronic Cigarettes\* (%): Missouri Students in Grades 6-12**



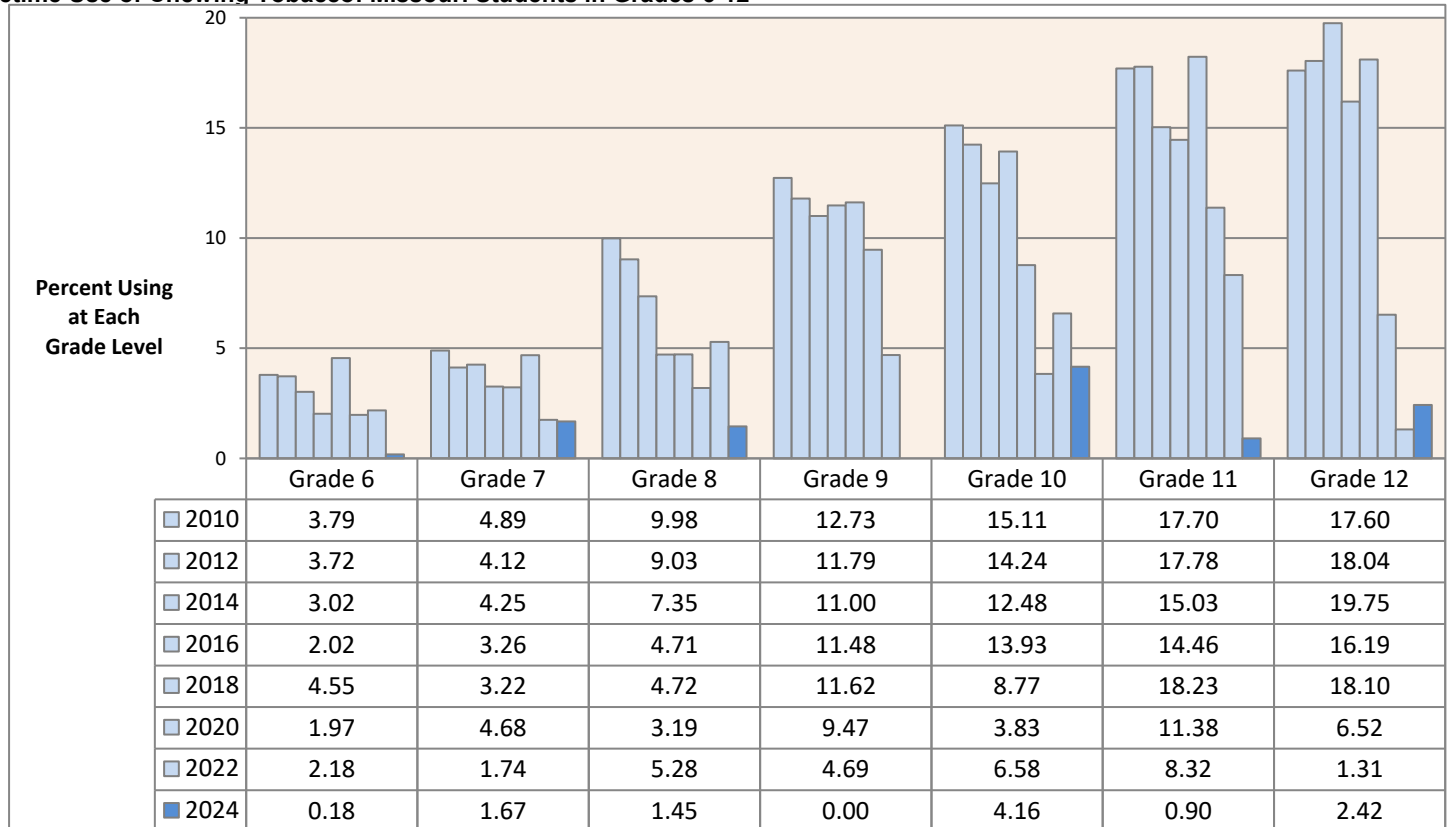
Data Source: Missouri Institute of Mental Health. Missouri Student Survey. Data are weighted.

## CHEWING TOBACCO USE: MISSOURI STUDENTS IN GRADES 6-12

**Past 30-Day Use of Chewing Tobacco: Missouri Students in Grades 6-12**



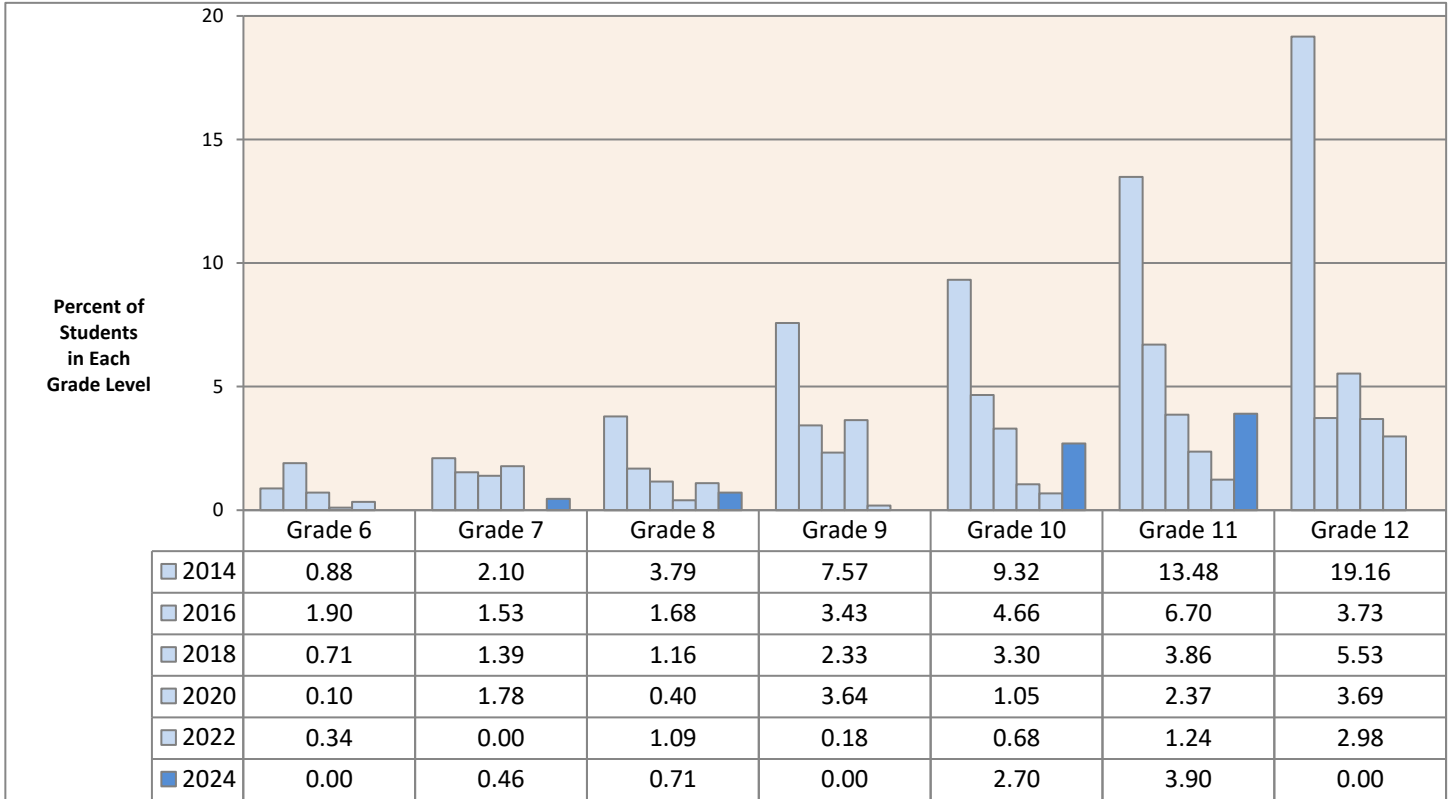
**Lifetime Use of Chewing Tobacco: Missouri Students in Grades 6-12**



Data Source: Missouri Institute of Mental Health. Missouri Student Survey. Data are weighted.

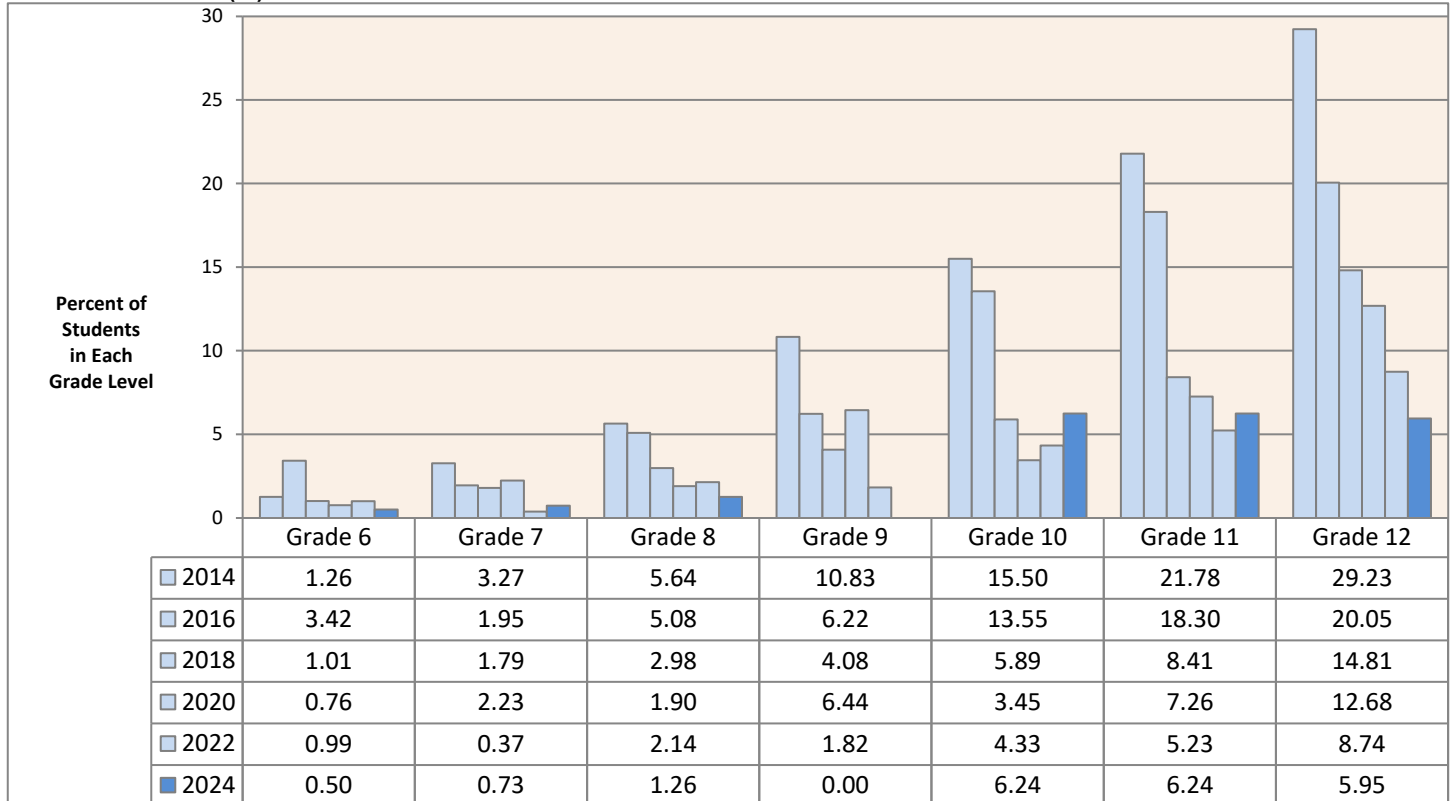
## HOOKAH USE: MISSOURI STUDENTS IN GRADES 6-12

**Past 30-Day Hookah Use\* (%): Missouri Students in Grades 6-12**



\* In the MSS questionnaire, water pipes are included as hookahs.

**Lifetime Hookah Use\* (%): Missouri Students in Grades 6-12**



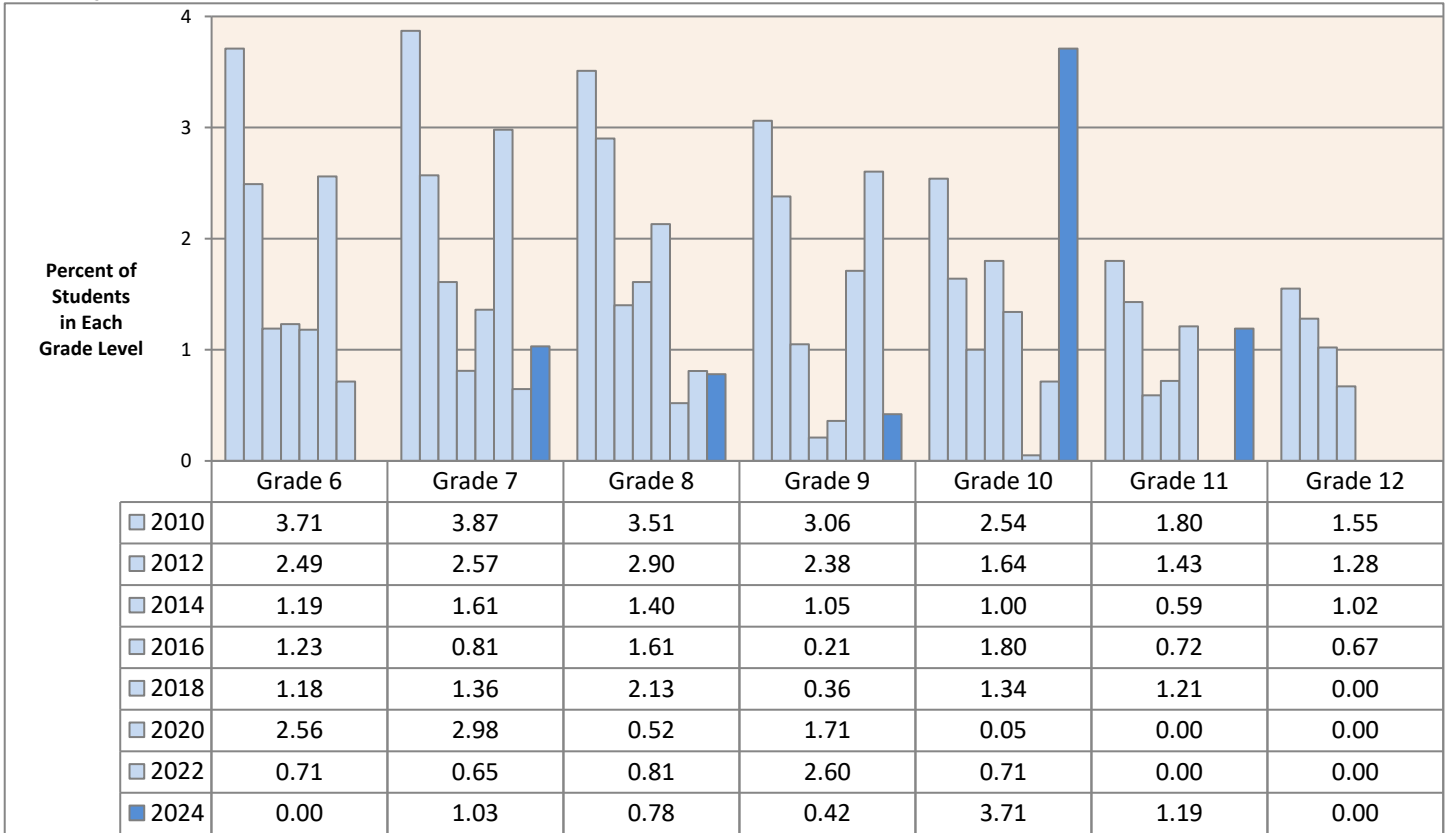
\* In the MSS questionnaire, water pipes are included as hookahs.

Data Source: Missouri Institute of Mental Health. Missouri Student Survey. Data are weighted.



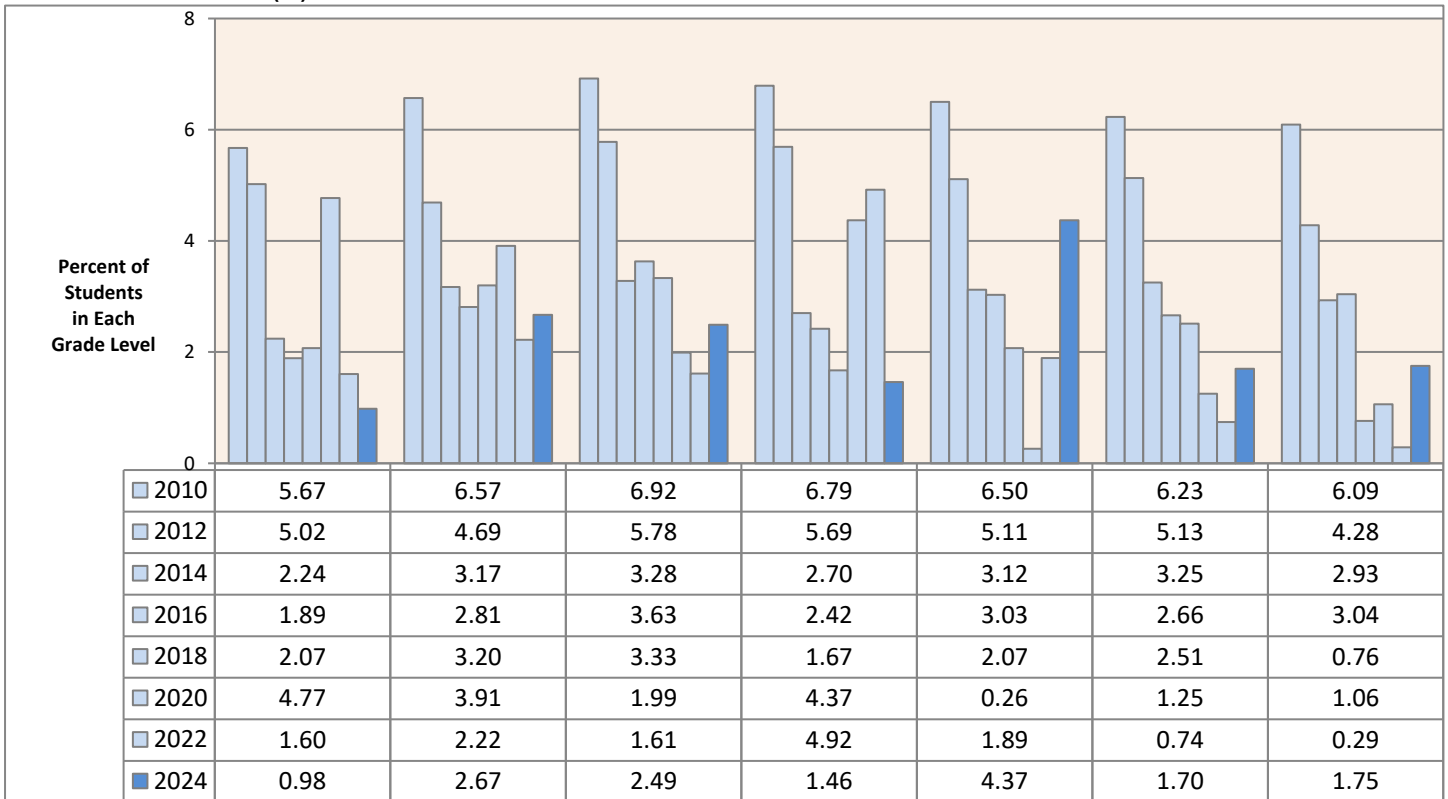
## INHALANT USE: MISSOURI STUDENTS IN GRADES 6-12

**Past 30-Day Use of Inhalants\* (%): Missouri Students in Grades 6-12**



\* In the MSS questionnaire, gas in aerosol cans, whippets, gasoline, white-out, glue, and marking pens are listed as examples.

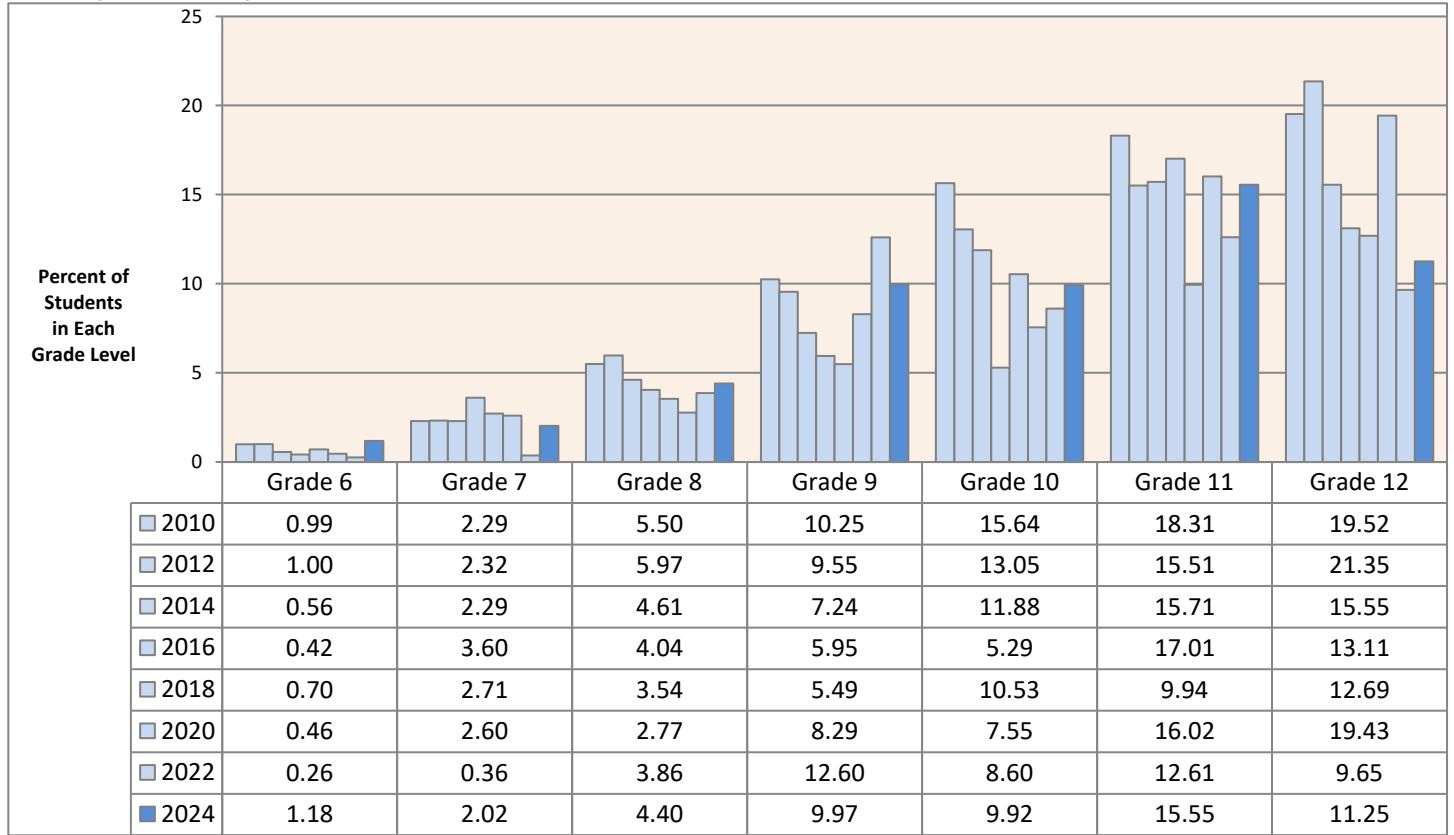
**Lifetime Use of Inhalants\* (%): Missouri Students in Grades 6-12**



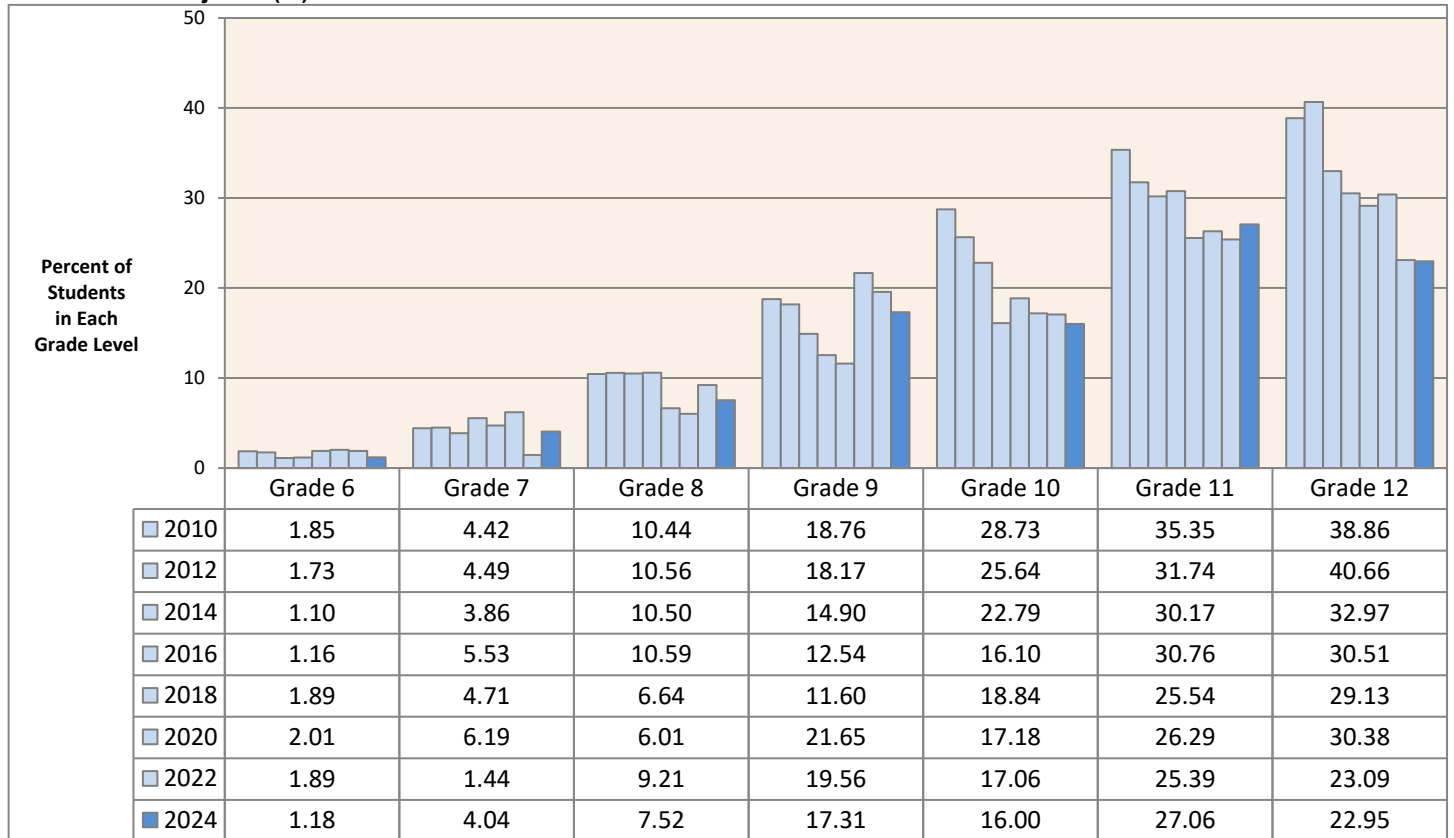
Data Source: Missouri Institute of Mental Health. Missouri Student Survey. Data are weighted.

## MARIJUANA USE: MISSOURI STUDENTS IN GRADES 6-12

**Past 30-Day Use of Marijuana (%): Missouri Students in Grades 6-12**



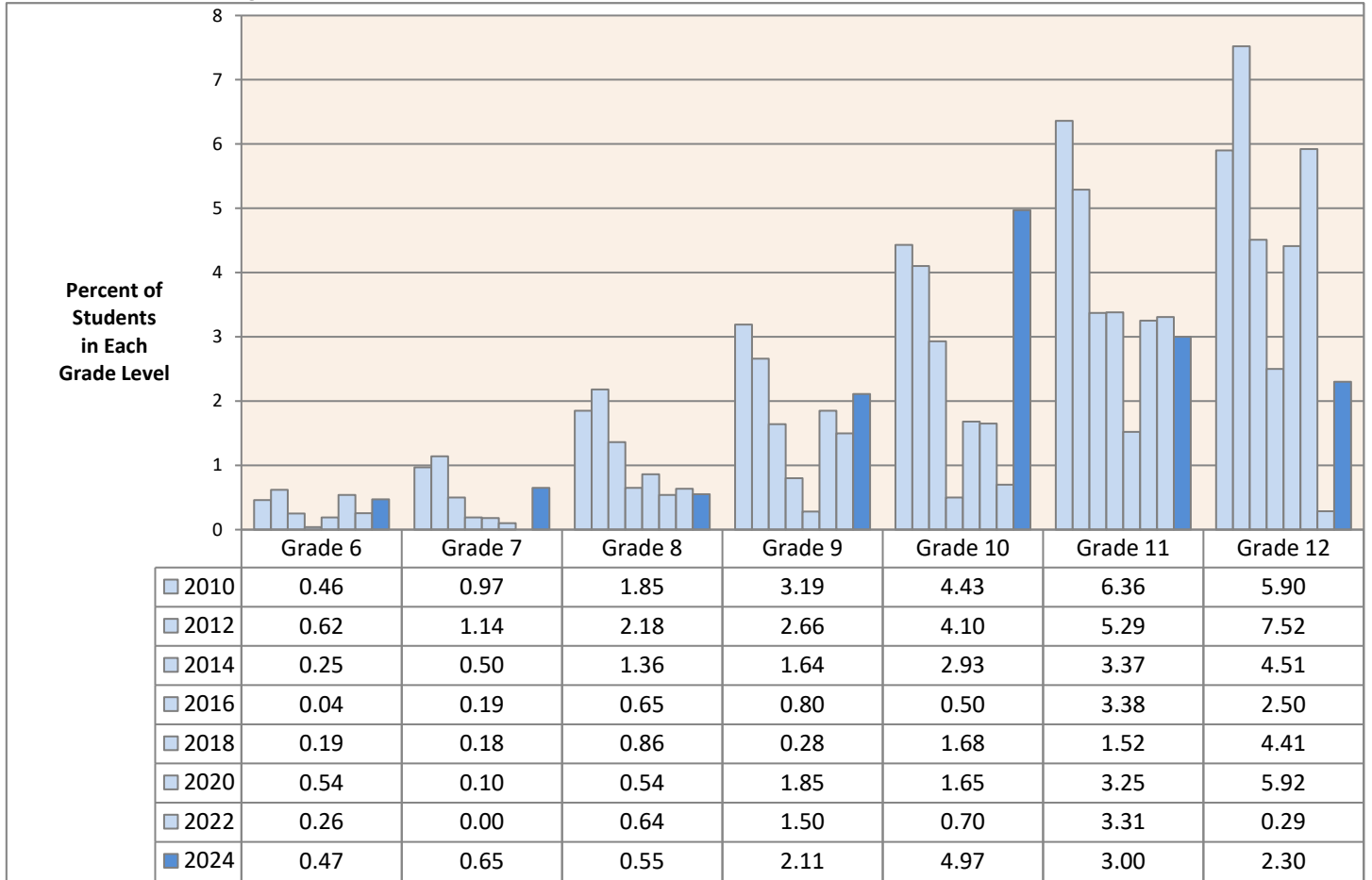
**Lifetime Use of Marijuana (%): Missouri Students in Grades 6-12**



Data Source: Missouri Institute of Mental Health. Missouri Student Survey. Data are weighted.

## HALLUCINOGEN USE: MISSOURI STUDENTS IN GRADES 6-12

**Lifetime Use of Hallucinogens\* (%): Missouri Students in Grades 6-12**

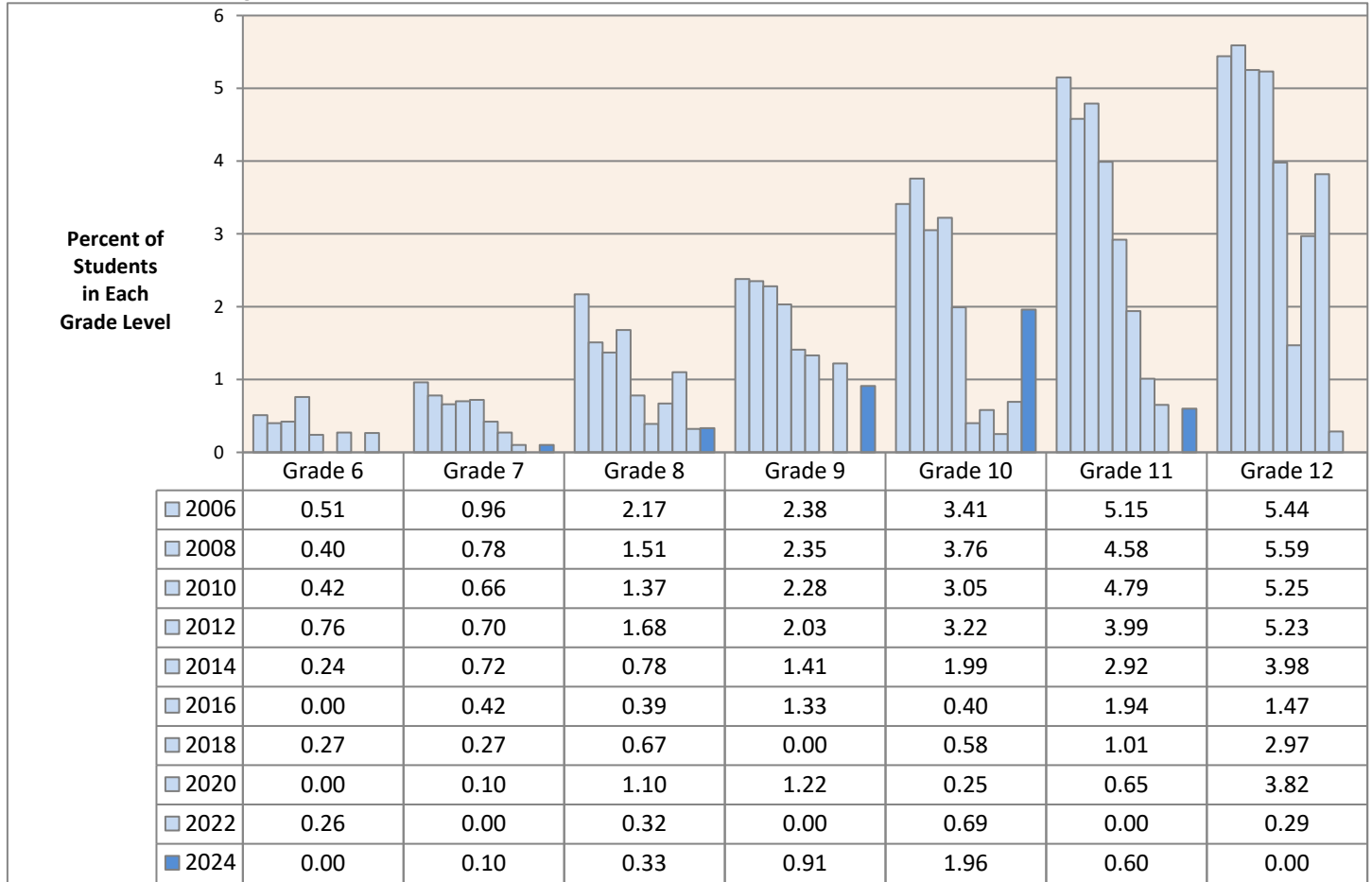


\* In the MSS questionnaire, LSD (acid), PCP (angel dust), Magic Mushrooms, Mescaline, Peyote, and Psilocybin are listed as examples of hallucinogens.

Data Source: Missouri Institute of Mental Health. Missouri Student Survey. Data are weighted.

## CLUB DRUG USE: MISSOURI STUDENTS IN GRADES 6-12

### Lifetime Use of Club Drugs\* : Missouri Students in Grades 6-12

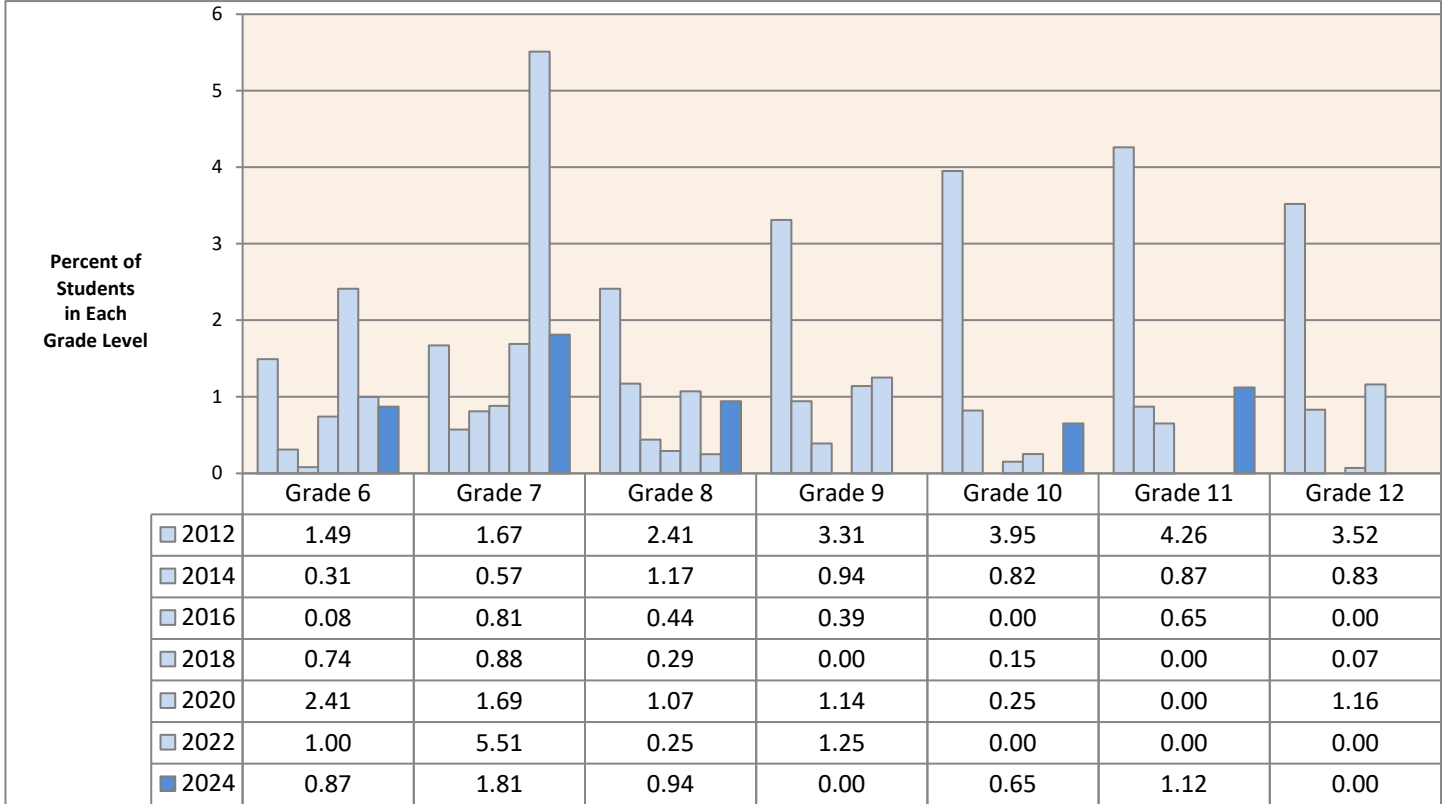


\* In the MSS questionnaire, MDMA (molly, ecstasy, X, E), GHB (G), Rohypnol (roofie), and Ketamine (Special K) are listed as examples of club drugs.

Data Source: Missouri Institute of Mental Health. Missouri Student Survey. Data are weighted.

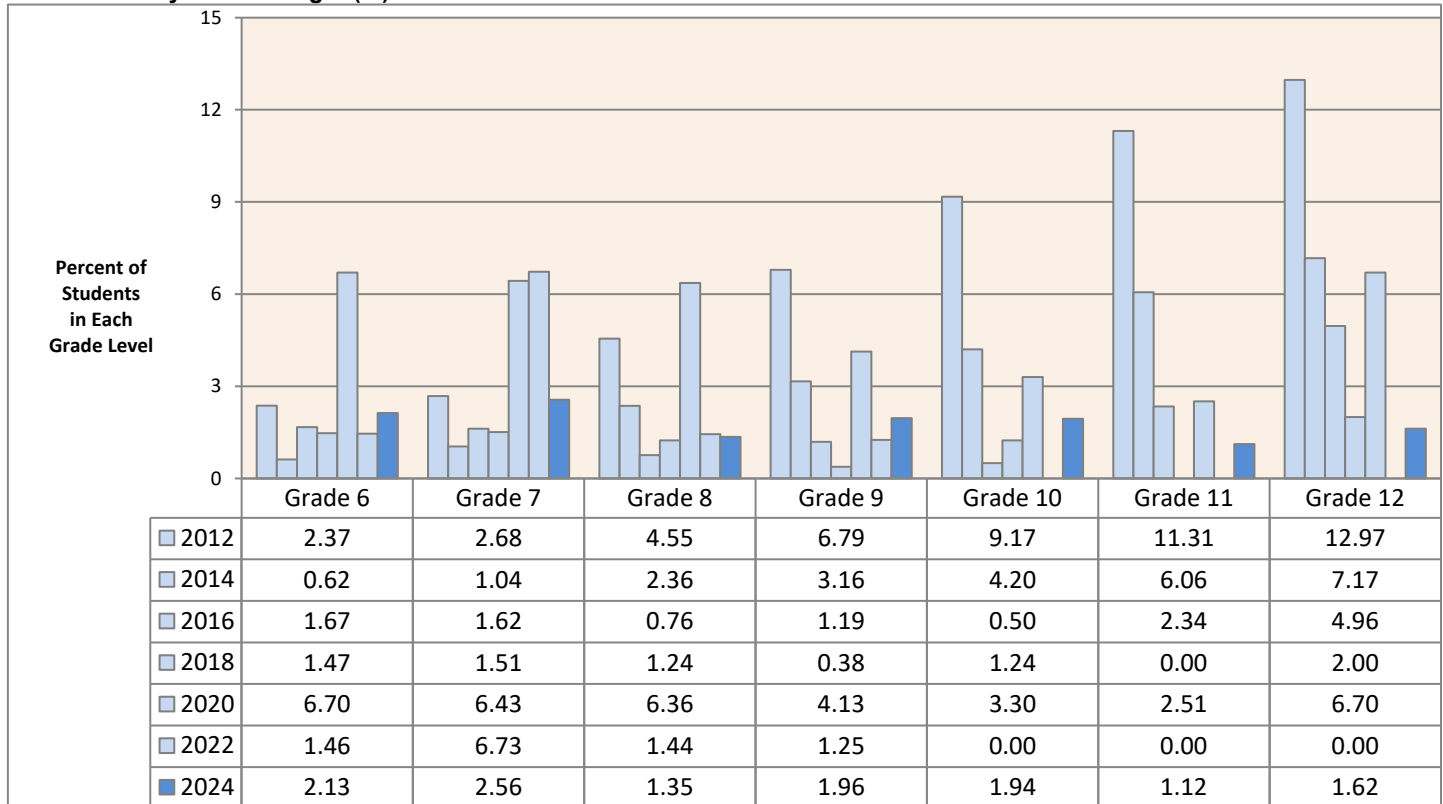
## SYNTHETIC DRUG USE: MISSOURI STUDENTS IN GRADES 6-12

**Past 30-Day Use of Synthetic Drugs\* (%): Missouri Students in Grades 6-12**



\* In the MSS questionnaire, K2, bath salts, plant food, and Spice are listed as examples of synthetic drugs.

**Lifetime Use of Synthetic Drugs\* (%): Missouri Students in Grades 6-12**

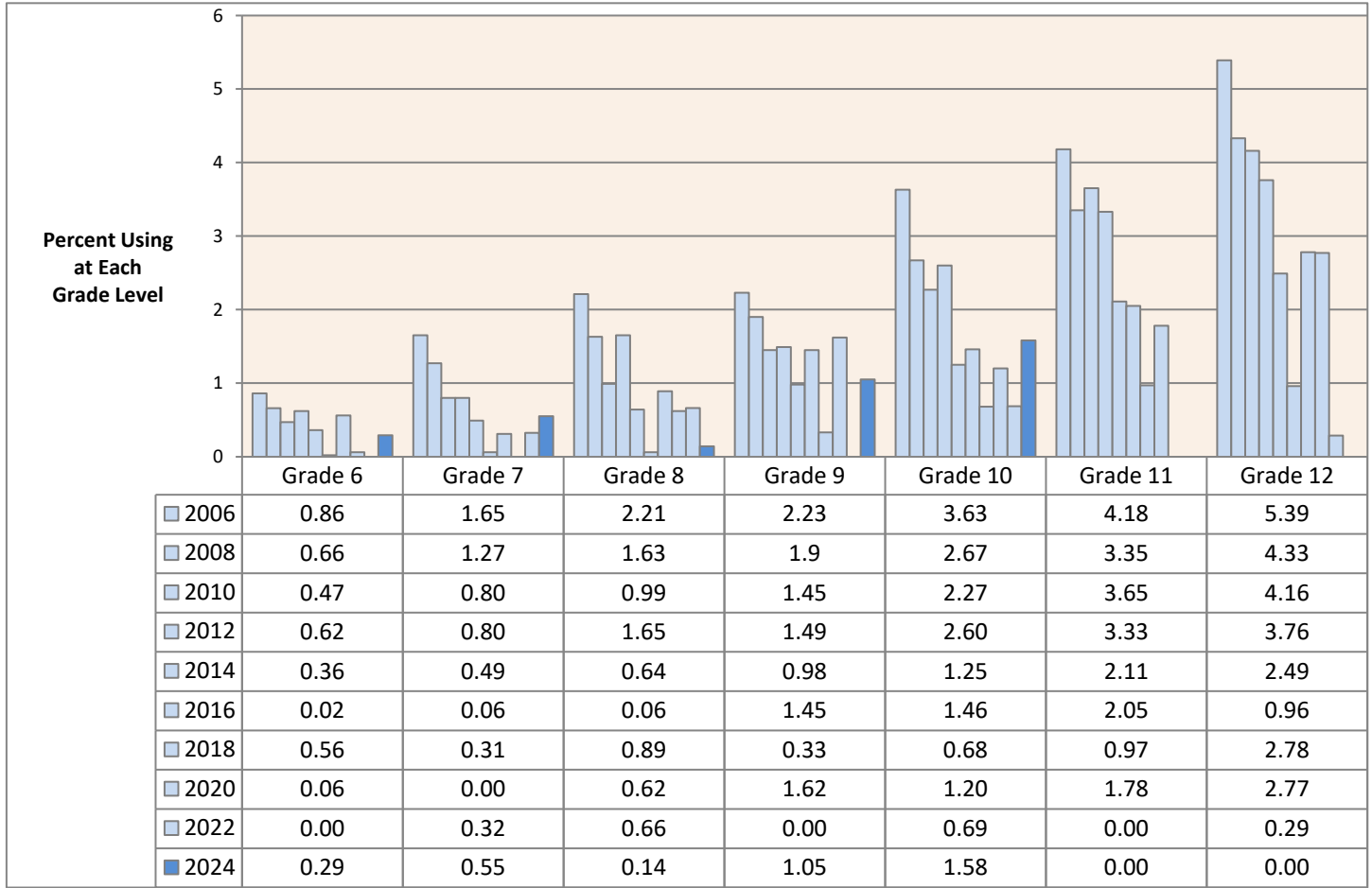


\* In the MSS questionnaire, K2, bath salts, plant food, and Spice are listed as examples of synthetic drugs.

Data Source: Missouri Institute of Mental Health. Missouri Student Survey. Data are weighted.

## COCAINE USE: MISSOURI STUDENTS IN GRADES 6-12

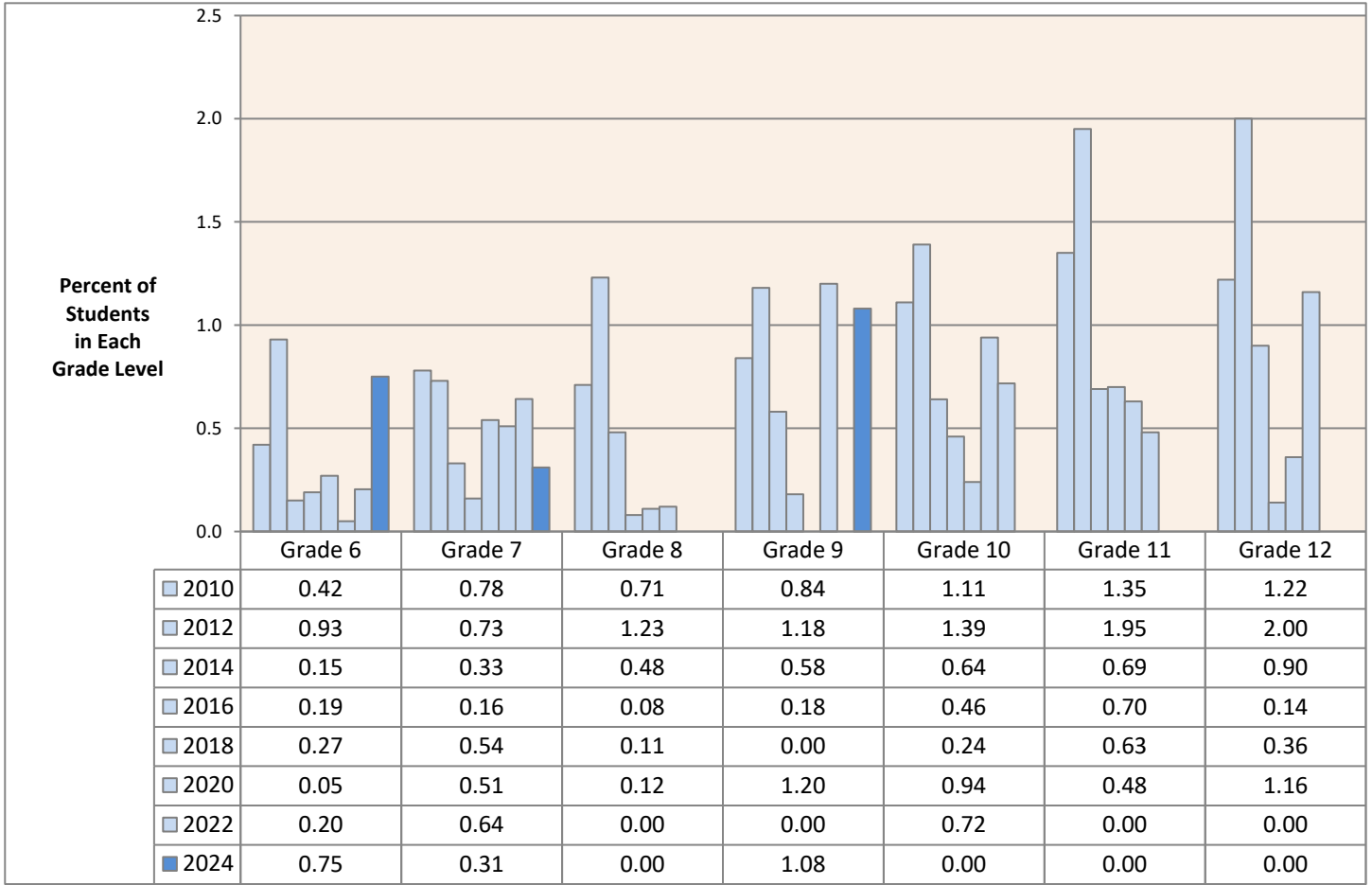
### Lifetime Use of Cocaine: Missouri Students in Grades 6-12



Data Source: Missouri Institute of Mental Health. Missouri Student Survey. Data are weighted.

## METHAMPHETAMINE USE: MISSOURI STUDENTS IN GRADES 6-12

**Lifetime Use of Methamphetamine (%): Missouri Students in Grades 6-12**

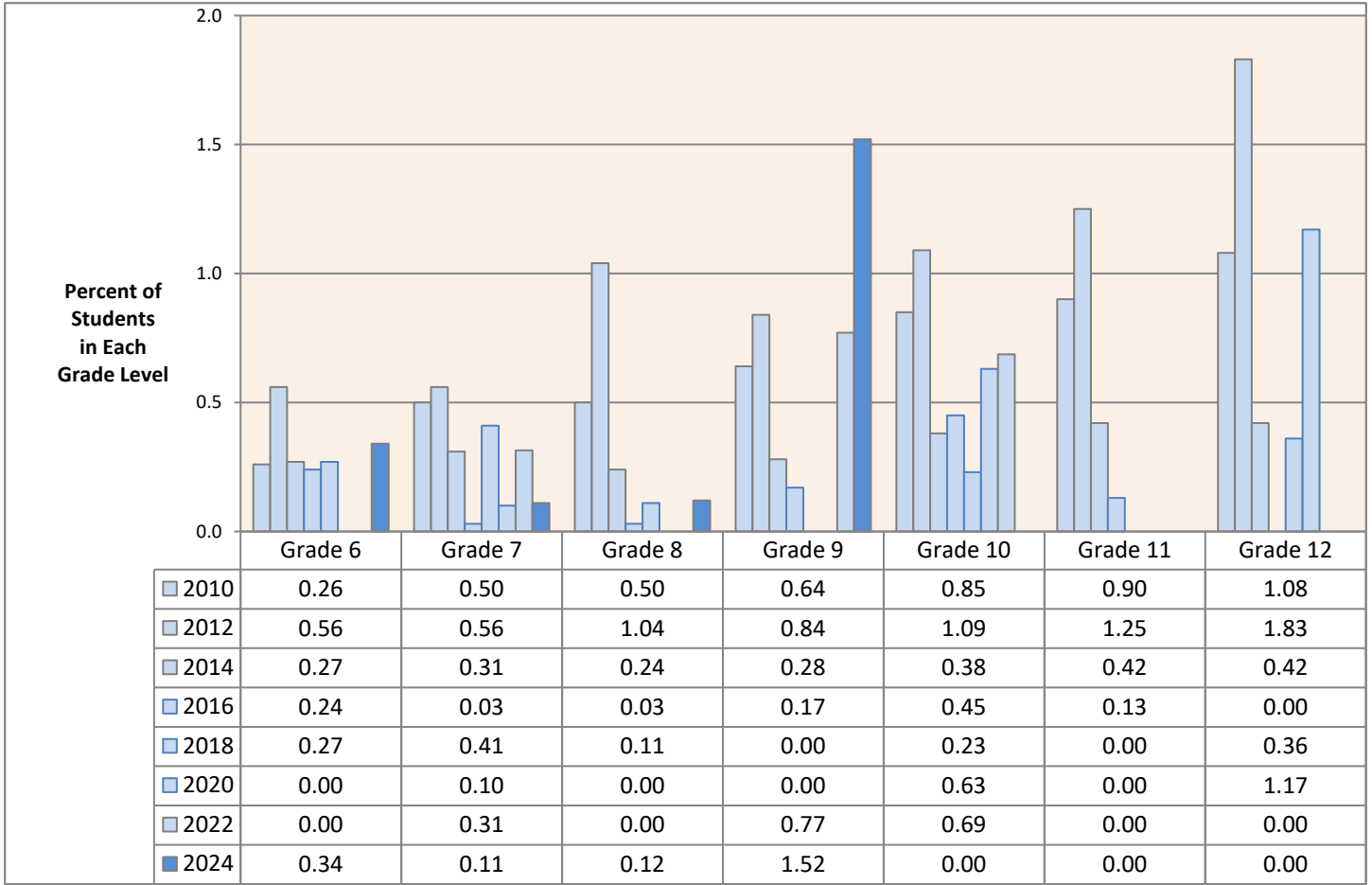


\* In the Missouri Student Survey questionnaire, meth, crank, crystal, and ice are listed as examples of methamphetamine.

Data Source: Missouri Institute of Mental Health. Missouri Student Survey. Data are weighted.

## HEROIN USE: MISSOURI STUDENTS IN GRADES 6-12

**Lifetime Use of Heroin (%): Missouri Students in Grades 6-12**

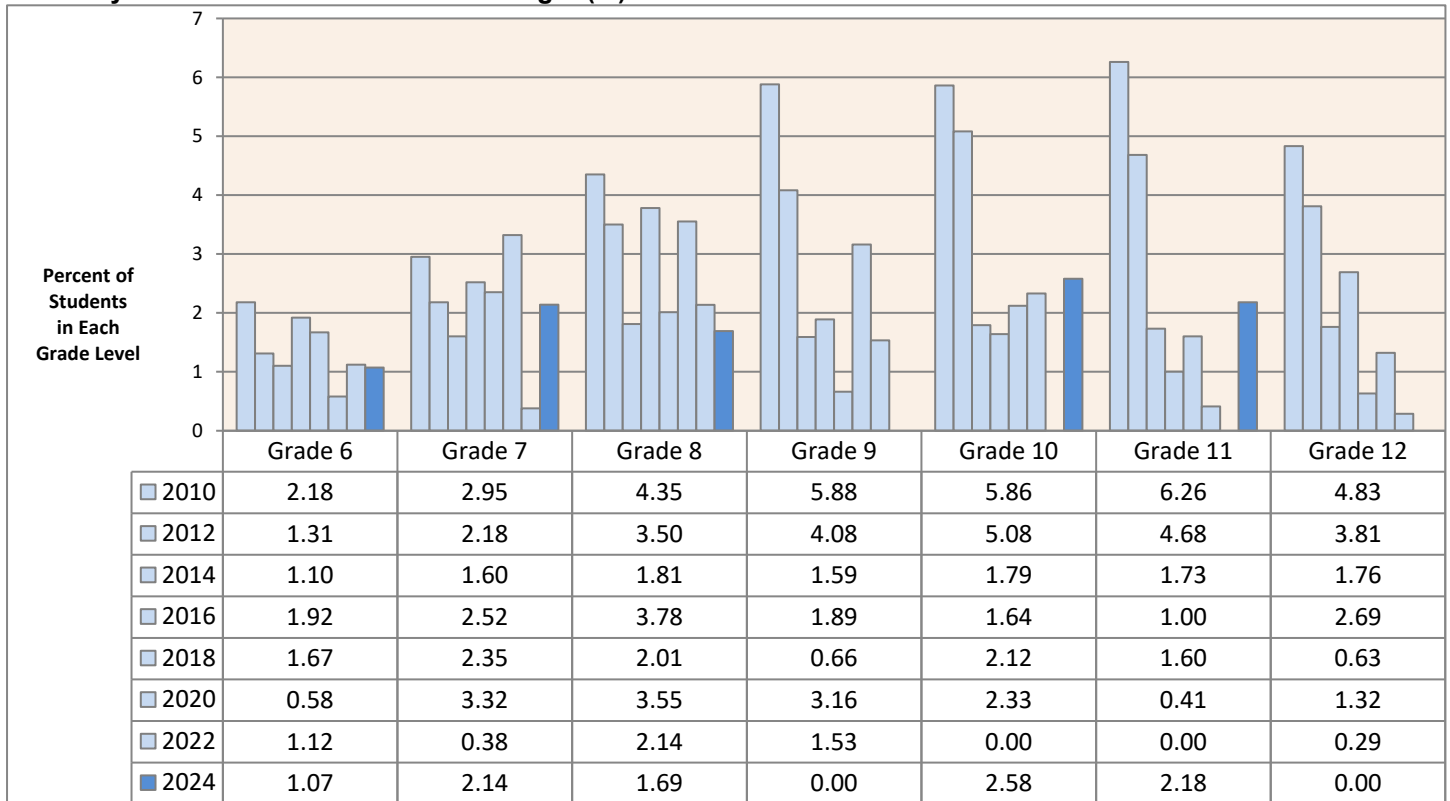


Data Source: Missouri Institute of Mental Health. Missouri Student Survey. Data are weighted.



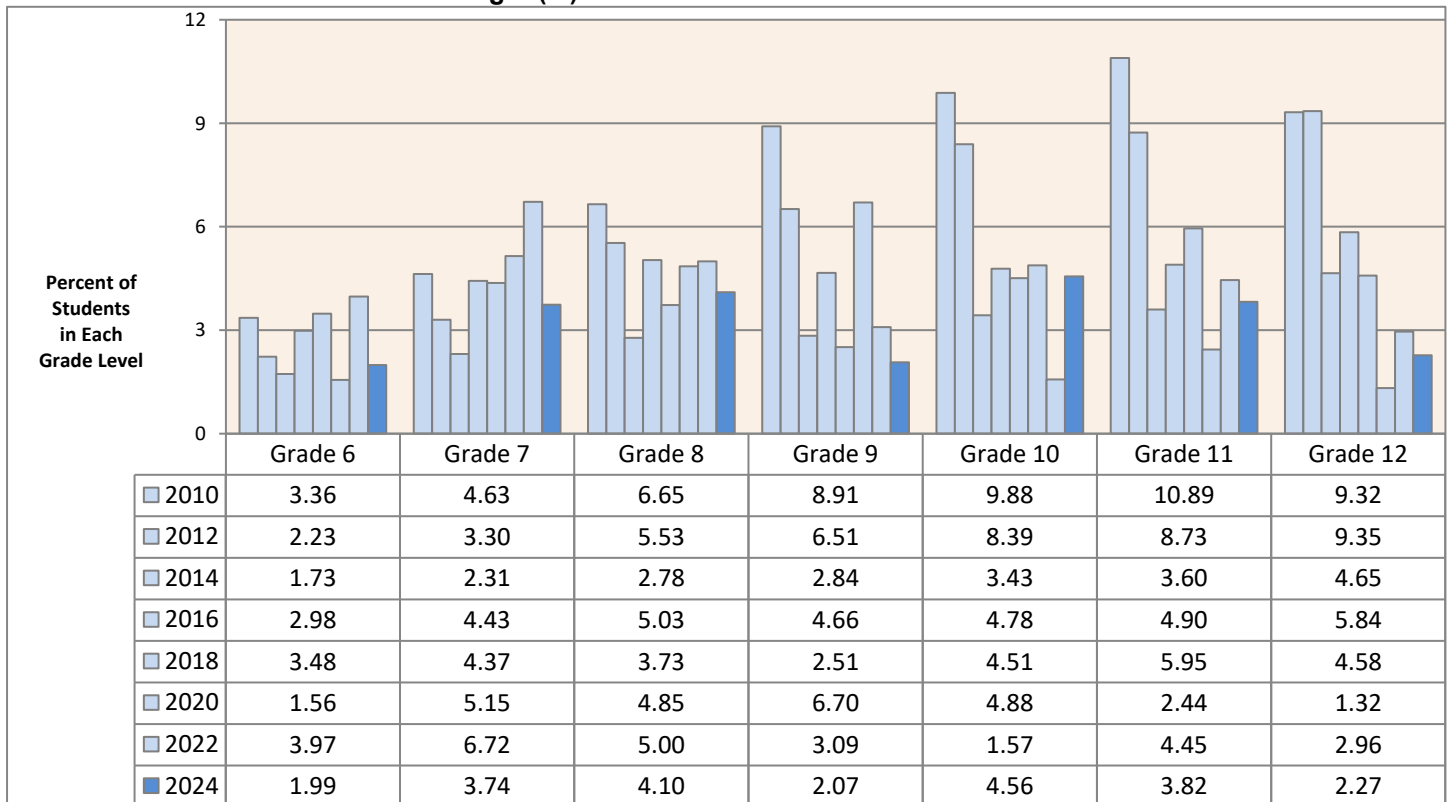
## OVER-THE-COUNTER MEDICATION USE: MISSOURI STUDENTS IN GRADES 6-12

### Past 30-Day Misuse of Over-the-Counter Drugs\* (%): Missouri Students in Grades 6-12



\* In the MSS questionnaire, Coricidin Cough, Sudafed, TheraFlu, and Tylenol Cough are listed as examples of over-the-counter medicines.

### Lifetime Misuse of Over-the-Counter Drugs\* (%): Missouri Students in Grades 6-12

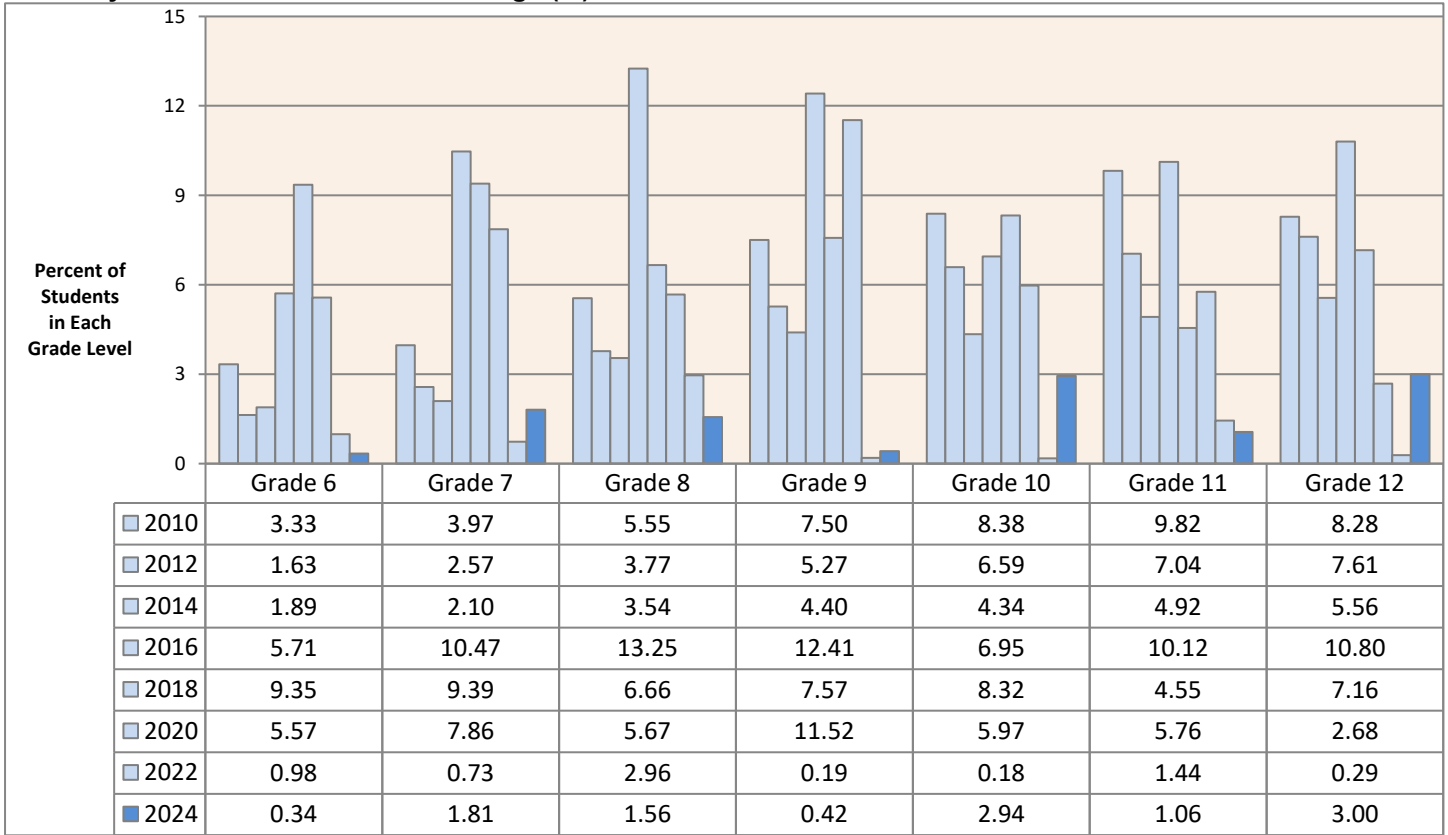


\* In the MSS questionnaire, Coricidin Cough, Sudafed, TheraFlu, and Tylenol Cough are listed as examples of over-the-counter medicines.

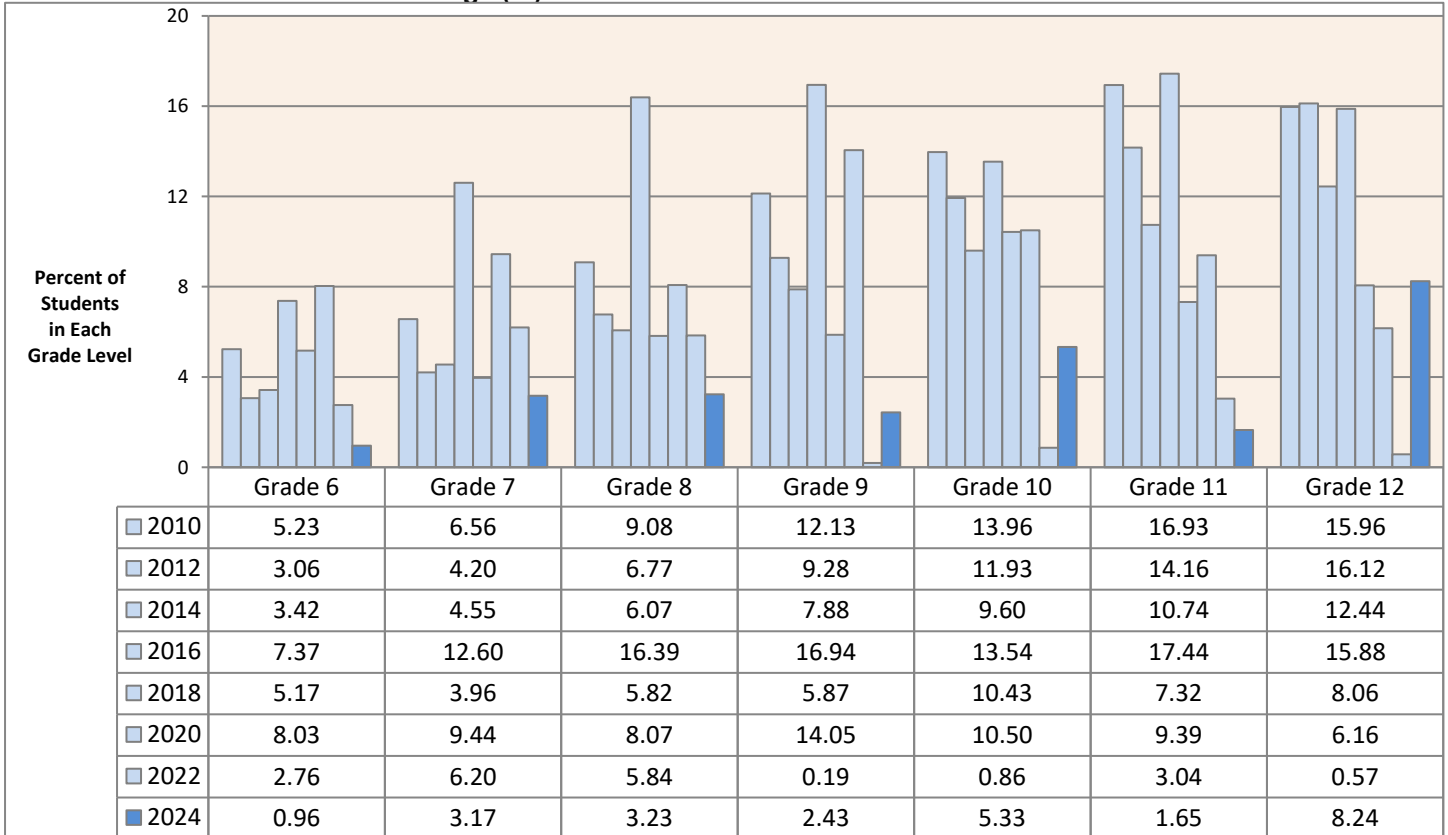
Data Source: Missouri Institute of Mental Health. Missouri Student Survey. Data are weighted.

## PHARMACEUTICAL DRUG USE: MISSOURI STUDENTS IN GRADES 6-12

### Past 30-Day Misuse of Pharmaceutical Drugs (%): Missouri Students in Grades 6-12



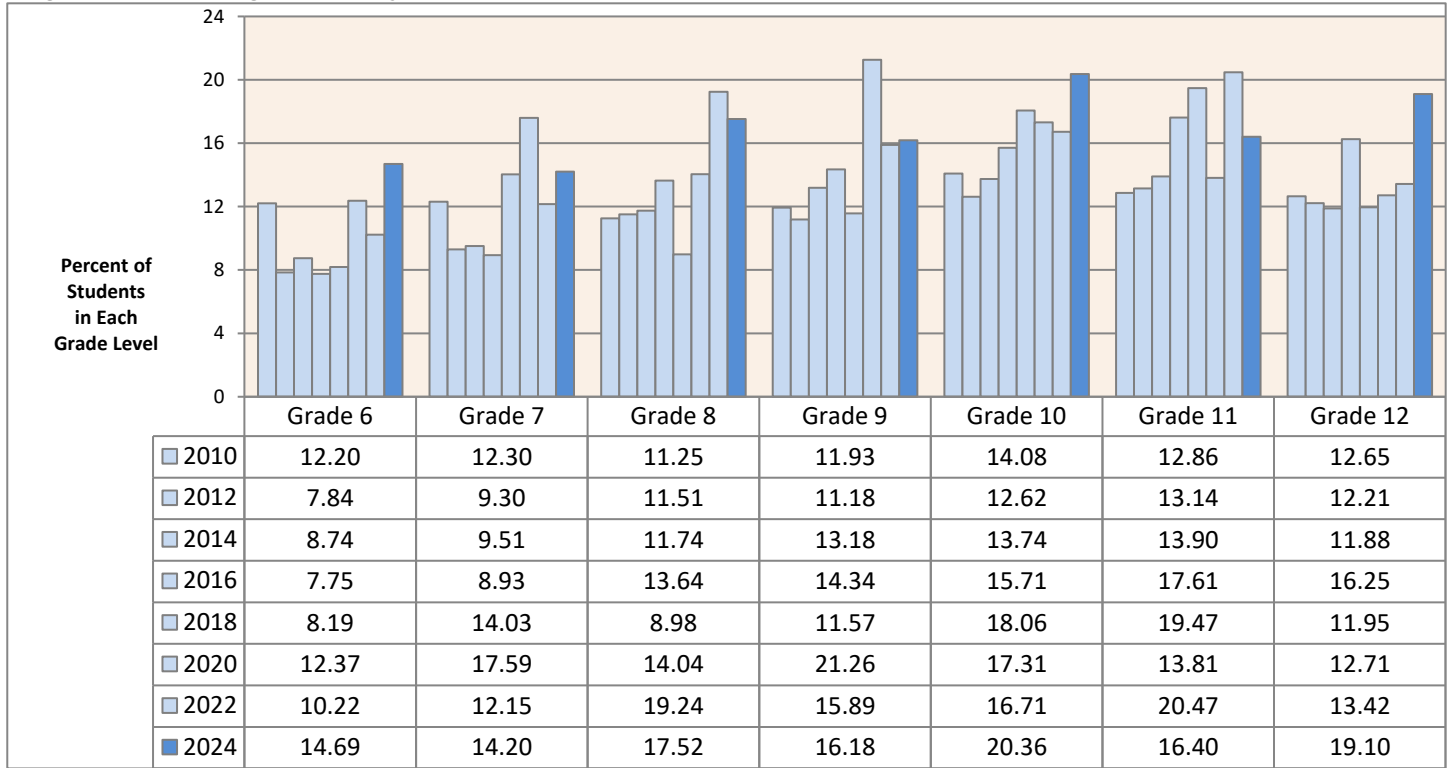
### Lifetime Misuse of Pharmaceutical Drugs (%): Missouri Students in Grades 6-12



Data Source: Missouri Institute of Mental Health. Missouri Student Survey. Data are weighted.

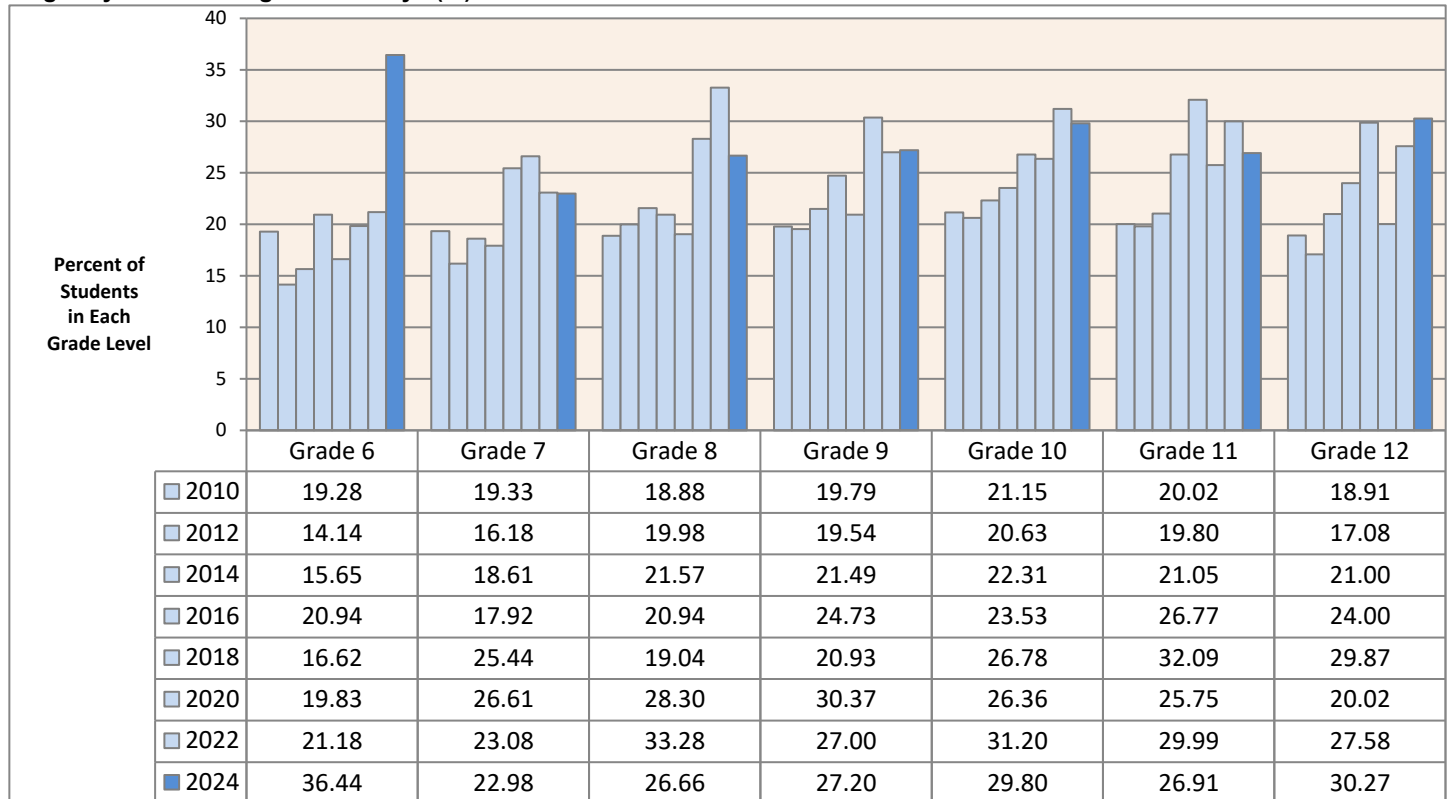
## DEPRESSION: MISSOURI STUDENTS IN GRADES 6-12

**Feeling Hopeless\* during Past 30 Days (%): Missouri Students in Grades 6-12**



\* Students who responded "Always" or "Often" to "Feeling Hopeless" in the MSS questionnaire.

**Feeling Very Sad \*\* during Past 30 Days (%): Missouri Students in Grades 6-12 \***

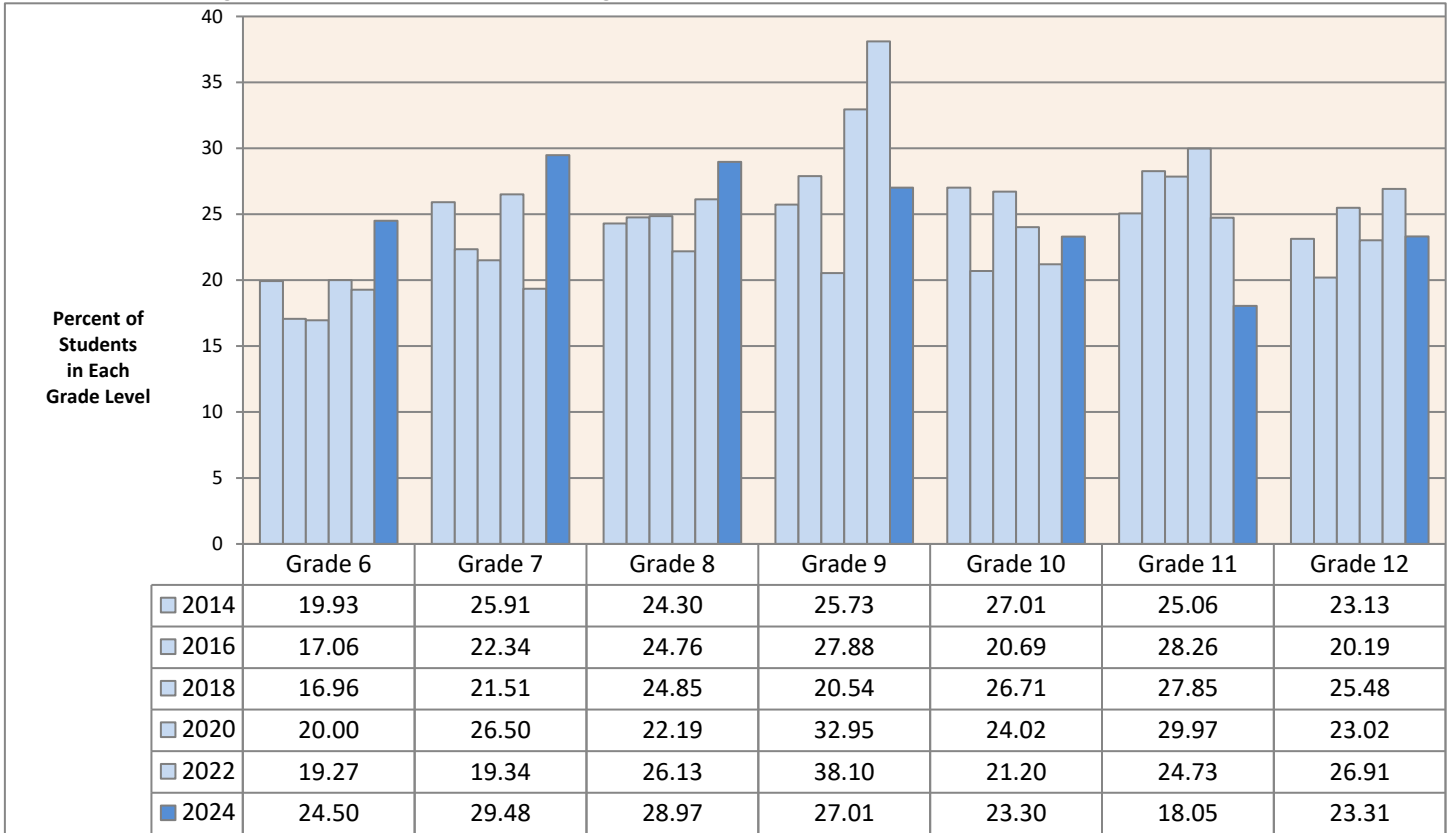


\*\* Students who responded "Always" or "Often" to "Feeling Very Sad" in the MSS questionnaire.

Data Source: Missouri Institute of Mental Health. Missouri Student Survey. Data are weighted.

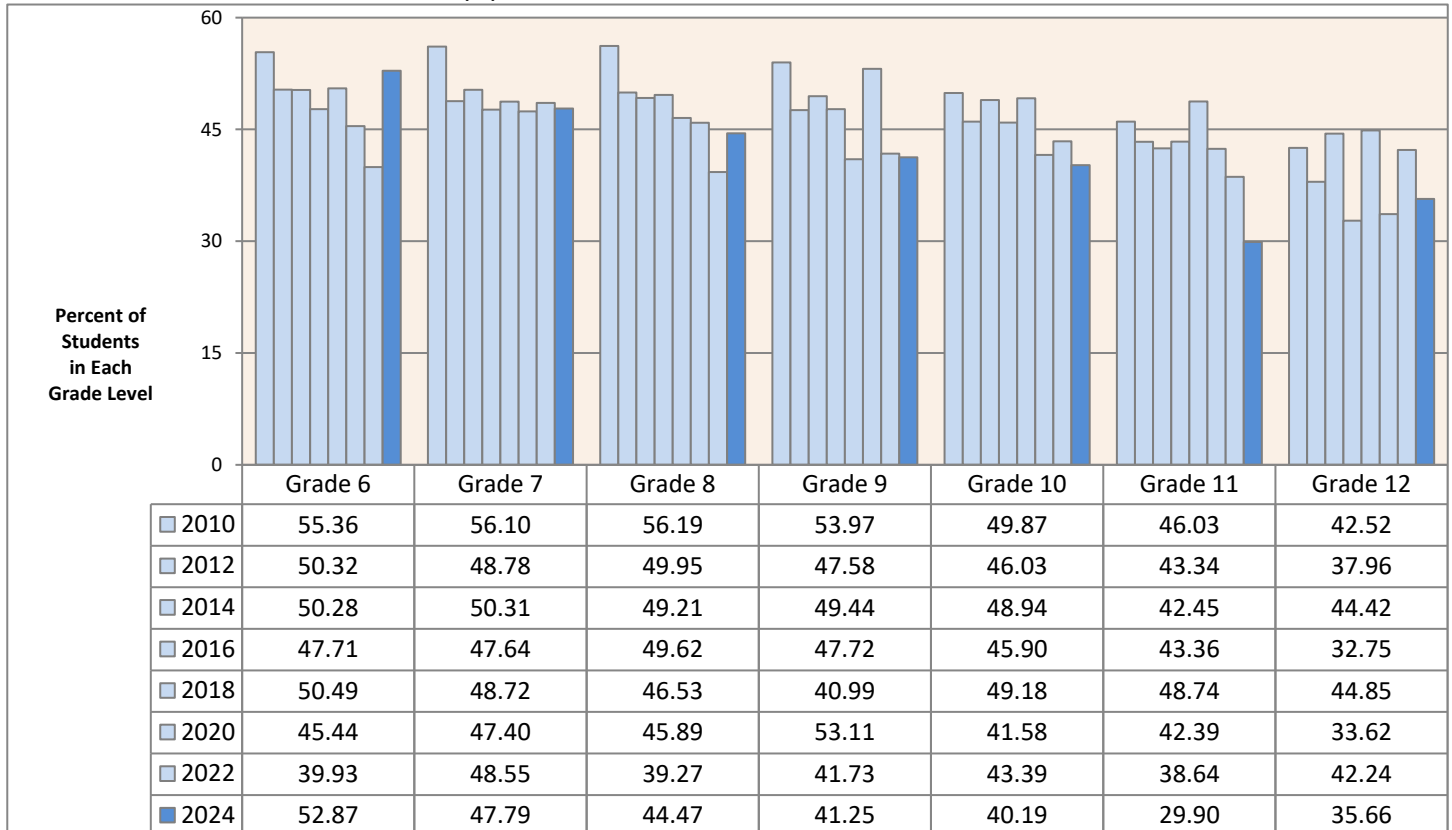
## VICTIM OF COVERT BULLYING: MISSOURI STUDENTS IN GRADES 6-12

**Victim of Embarrassing or Hurtful Online or Text Message in Past 3 Months (%): Missouri Students in Grades 6-12**



Data Source: Missouri Institute of Mental Health. Missouri Student Survey. Data are weighted.

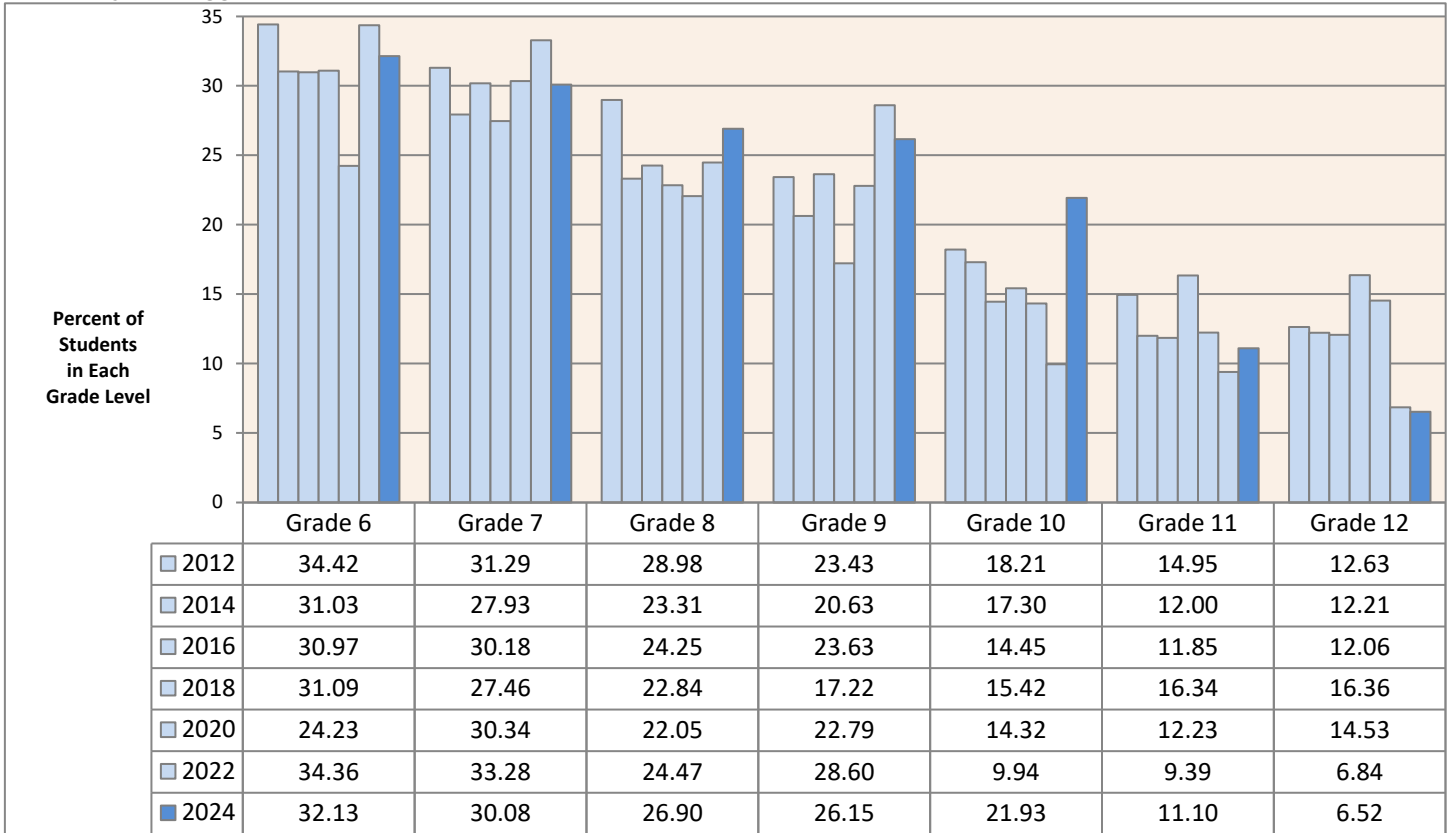
**Victim of Rumors or Lies in Past 3 Months (%): Missouri Students in Grades 6-12**



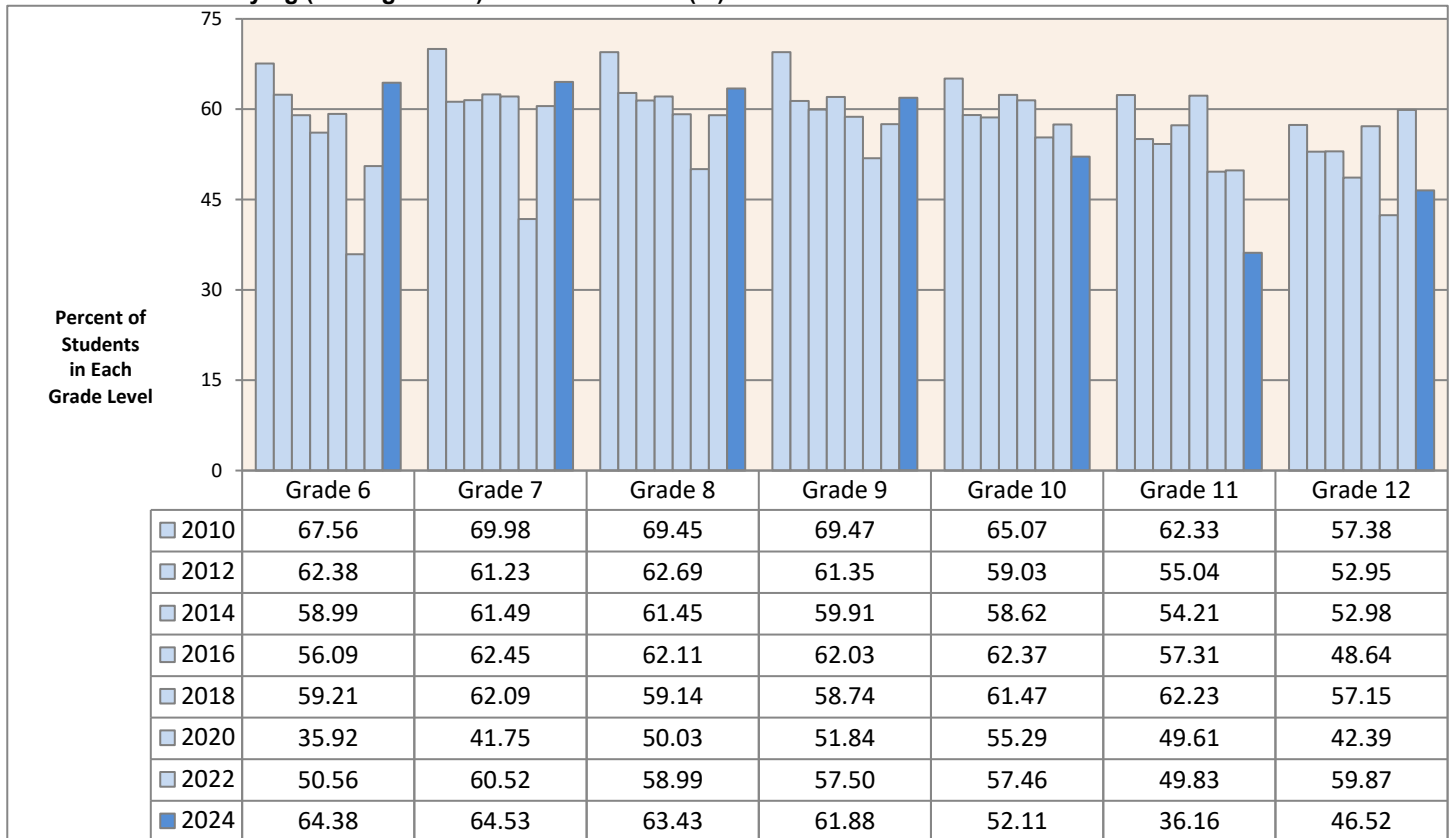
Data Source: Missouri Institute of Mental Health. Missouri Student Survey. Data are weighted.

## VICTIM OF AGGRESSIVE BEHAVIOR: MISSOURI STUDENTS IN GRADES 6-12

**Victim of Physical Aggression in Past 3 Months (%): Missouri Students in Grades 6-12**



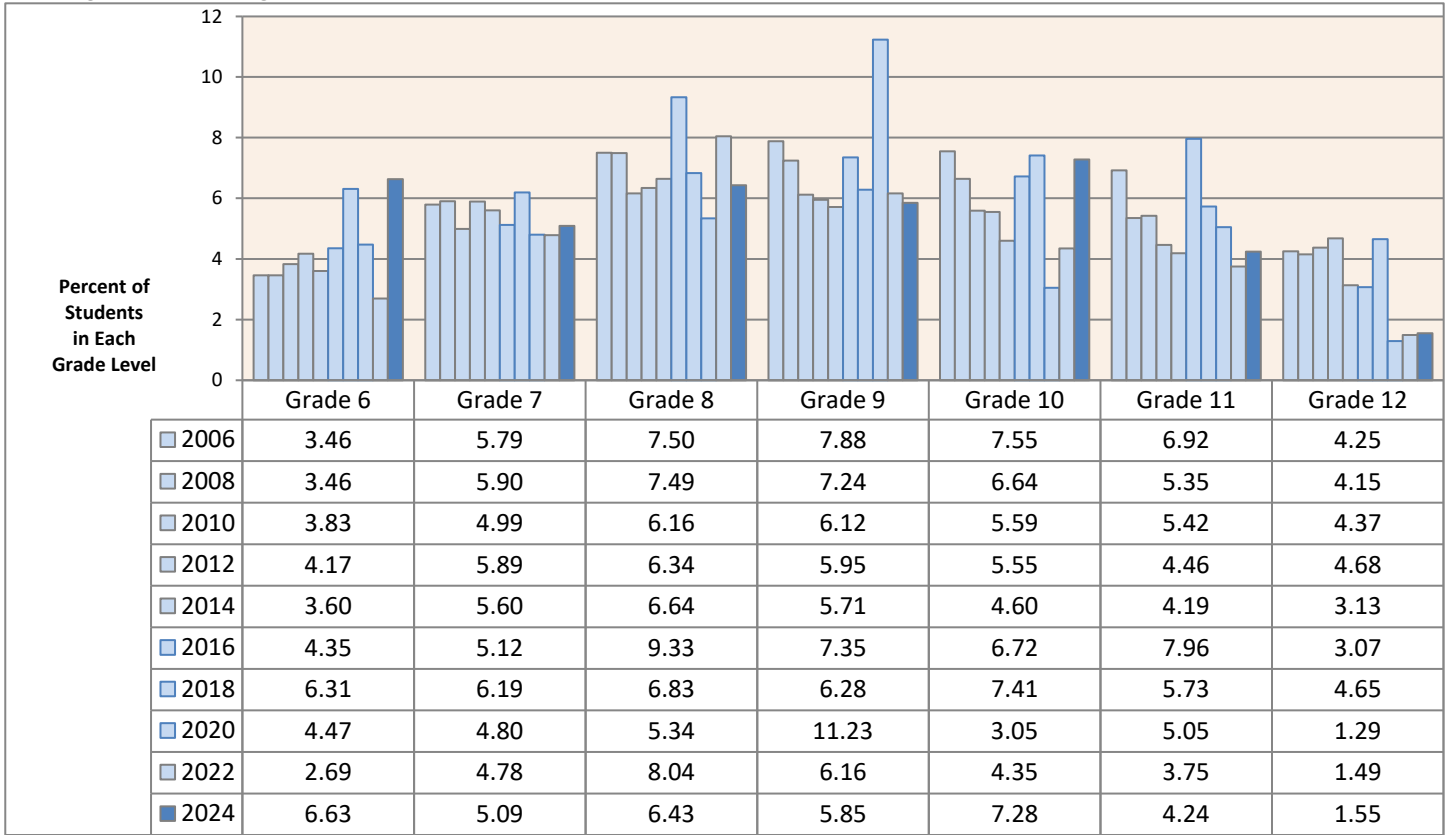
**Victim of Emotional Bullying (Making Fun of) in Past 3 Months (%): Missouri Students in Grades 6-12**



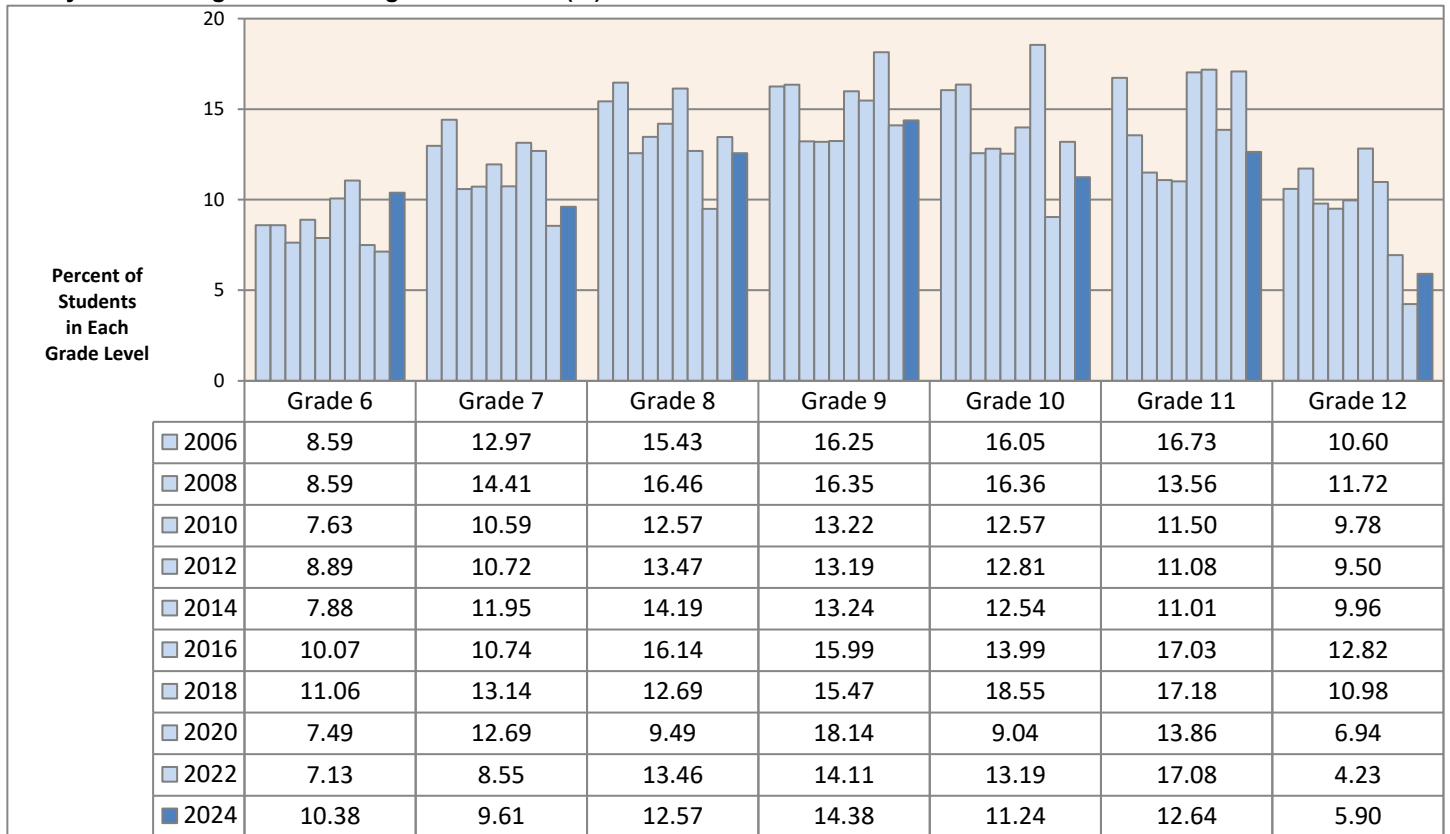
Data Source: Missouri Institute of Mental Health. Missouri Student Survey. Data are weighted.

## SUICIDE: MISSOURI STUDENTS IN GRADES 6-12

**Attempting Suicide during the Past Year (%): Missouri Students in Grades 6-12**



**Seriously Considering Suicide during the Past Year (%): Missouri Students in Grades 6-12**

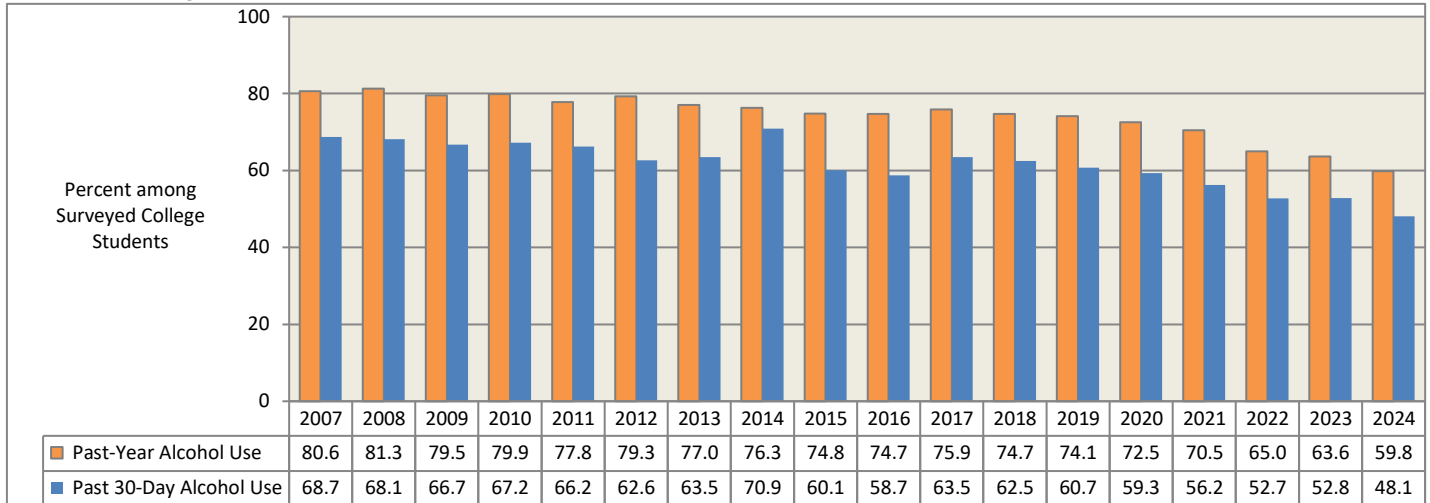


Data Source: Missouri Institute of Mental Health. Missouri Student Survey. Data are weighted.

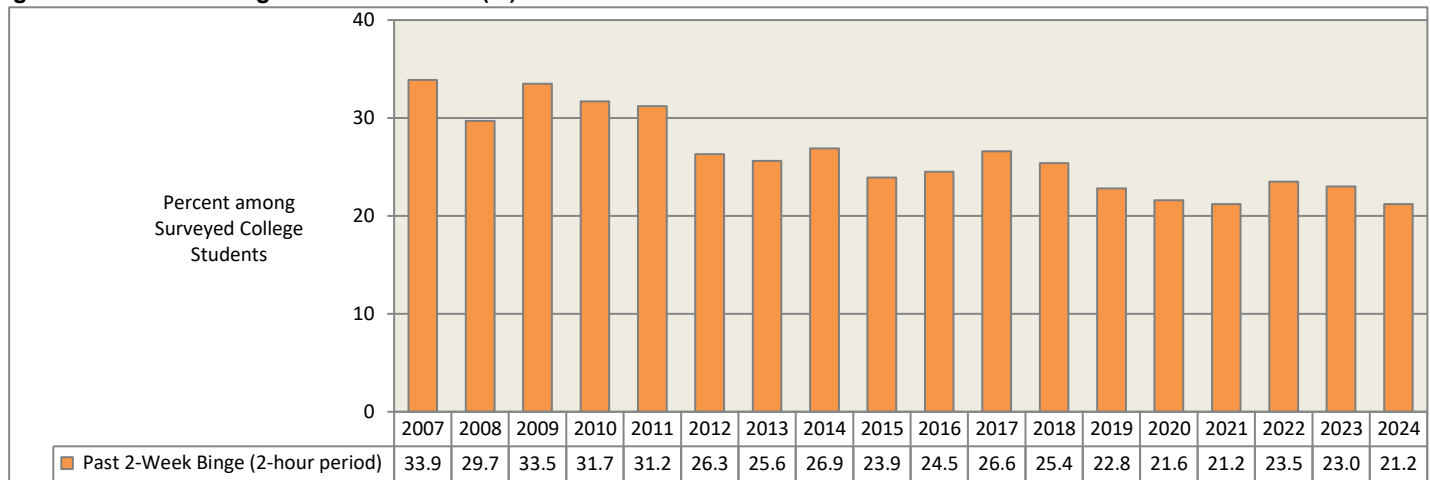
# MISSOURI ASSESSMENT OF COLLEGE HEALTH BEHAVIORS: MISSOURI COLLEGE STUDENTS

## Alcohol and Tobacco Use

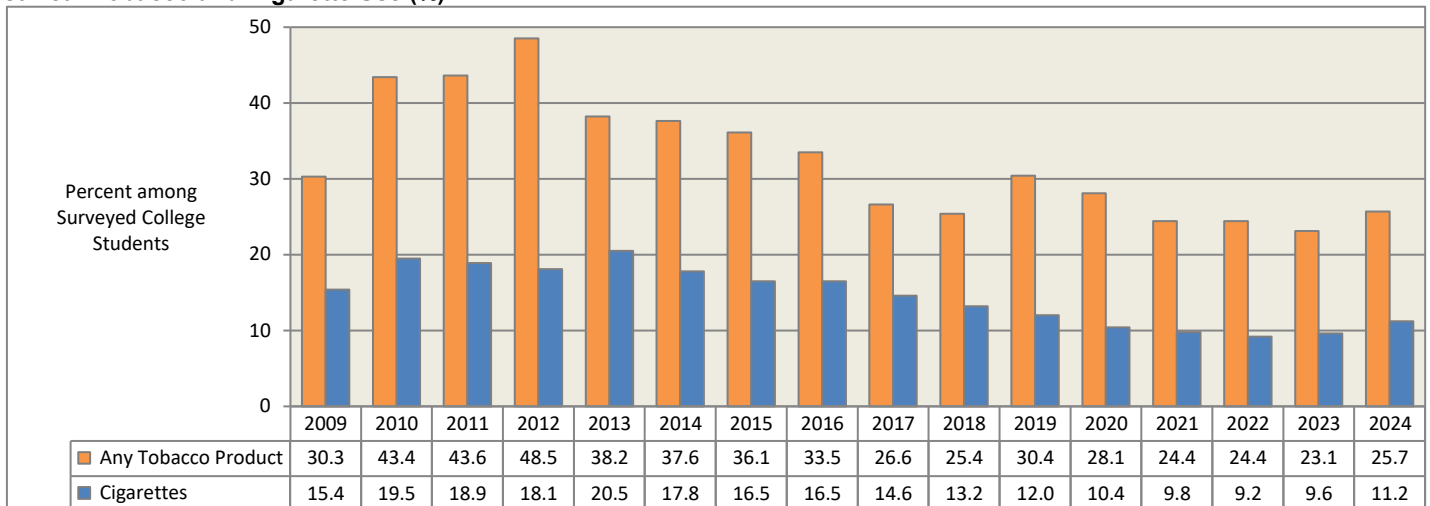
### Alcohol Use During the Past-Year and Past Month (%)



### Binge Alcohol Use During the Past 2 Weeks (%)



### Past-Year Tobacco and Cigarette Use (%)



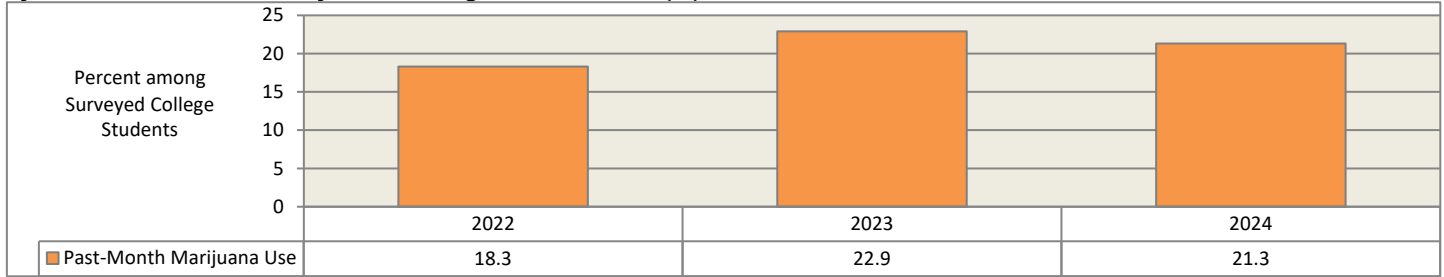
Source: Missouri Assessment of College Health Behaviors, 2017-2024; Missouri College Health Behavior Survey, 2007-2016  
Partners in Prevention (PIP) Statewide Coalition. University of Missouri, Columbia, MO.

The 2024 data in this report reflect the responses of 4,956 students at 23 four-year Missouri PIP campuses. Data for prior years reflect the four-year and two-year PIP campuses. Data are unweighted.

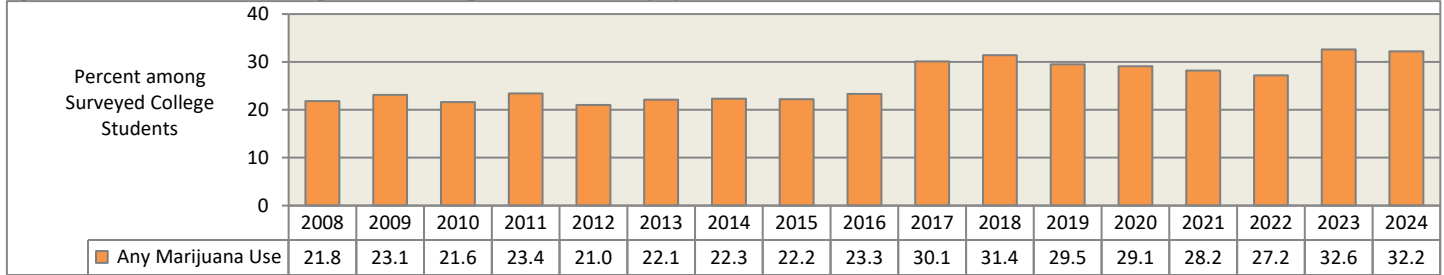
# MISSOURI ASSESSMENT OF COLLEGE HEALTH BEHAVIORS: MISSOURI COLLEGE STUDENTS

## Marijuana Use

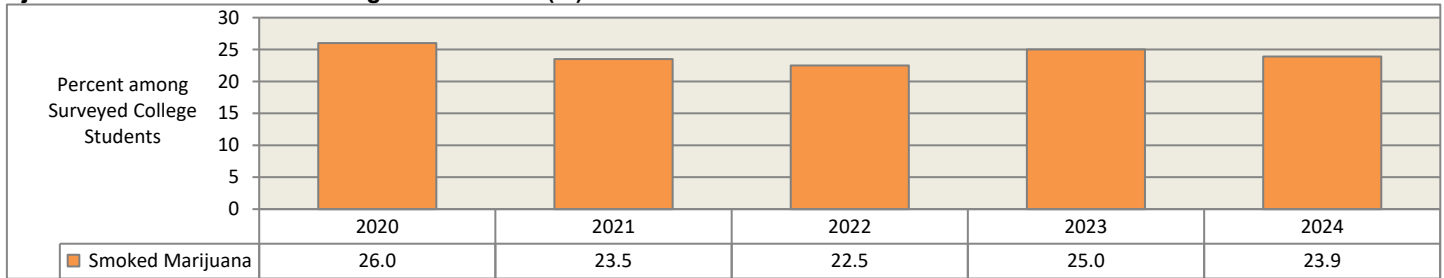
### Marijuana/Cannabis Use In Any Form during the Past Month (%)



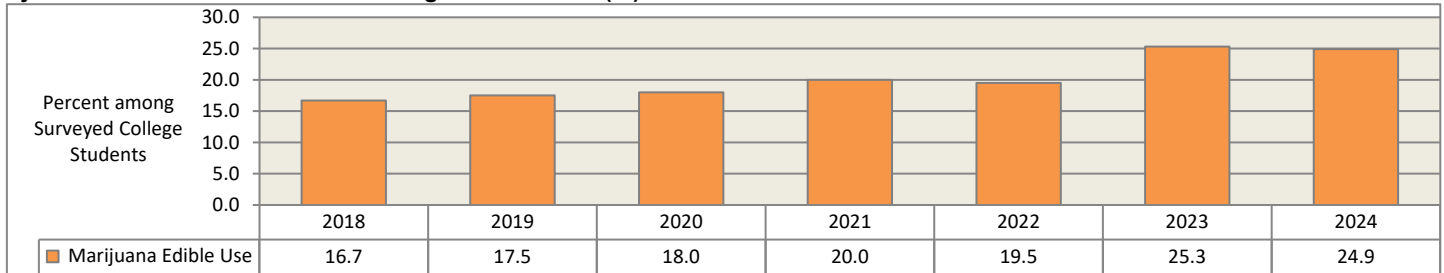
### Marijuana/Cannabis Use In Any Form during the Past Year (%)



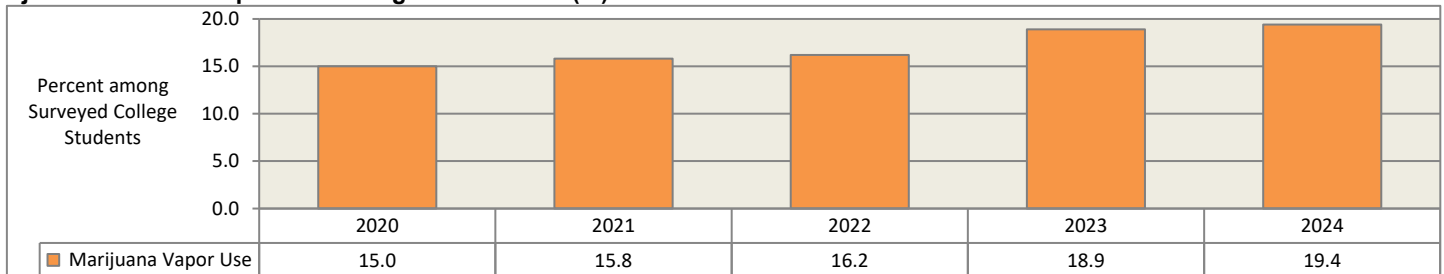
### Marijuana/Cannabis Smoked during the Past Year (%)



### Marijuana/Cannabis Edibles Used during the Past Year (%)



### Marijuana/Cannabis Vapor Use during the Past Year (%)



Source: Missouri Assessment of College Health Behaviors, 2017-2024; Missouri College Health Behavior Survey, 2007-2016

Partners in Prevention (PIP) Statewide Coalition. University of Missouri, Columbia, MO.

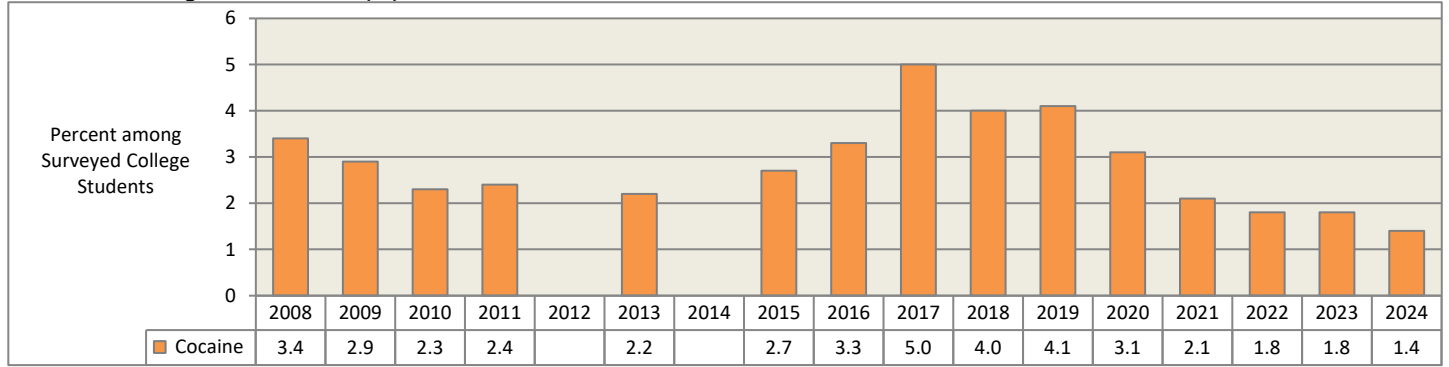
The 2024 data in this report reflect the responses of 4,956 students at 23 four-year Missouri PIP campuses. Data for prior years reflect the four-year and two-year PIP campuses. Data are unweighted.



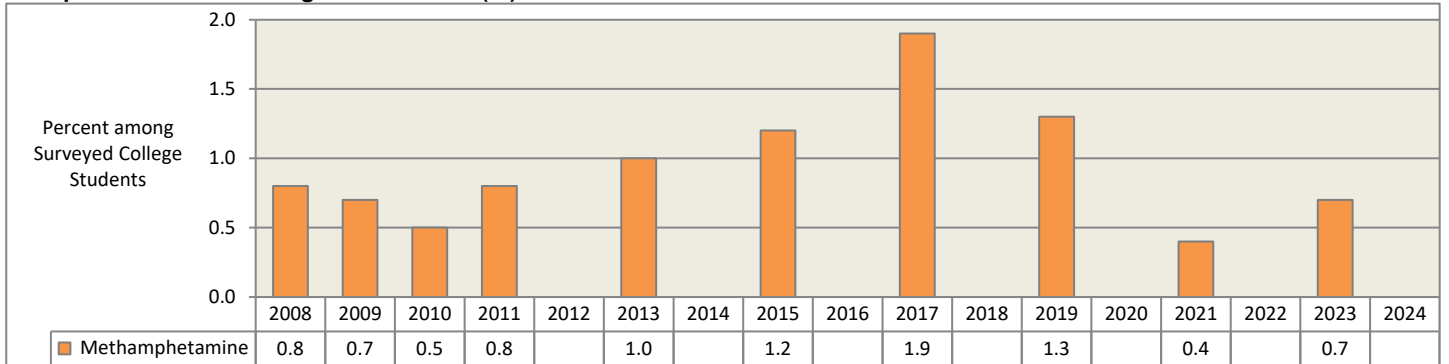
# MISSOURI ASSESSMENT OF COLLEGE HEALTH BEHAVIORS: MISSOURI COLLEGE STUDENTS

## Illicit Drug Use

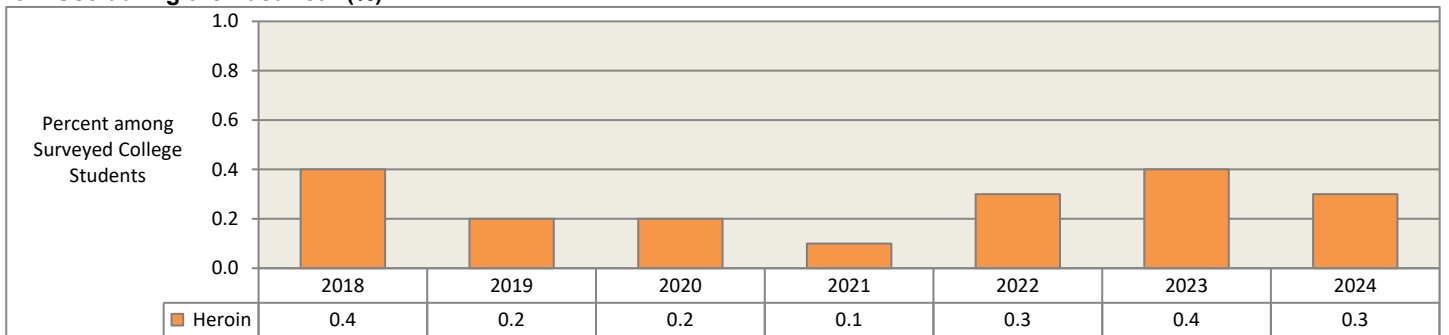
### Cocaine Use during the Past Year (%)



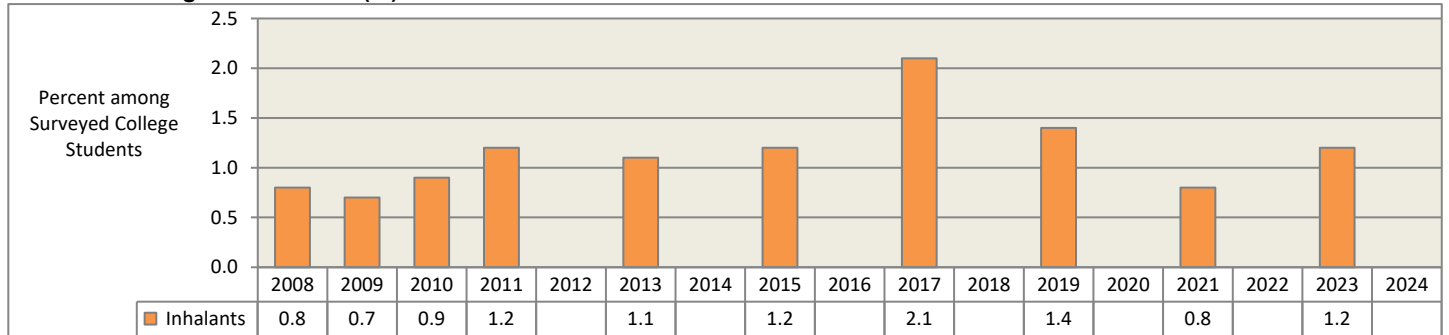
### Methamphetamine Use during the Past Year (%)



### Heroin Use during the Past Year (%)



### Inhalant Use during the Past Year (%)



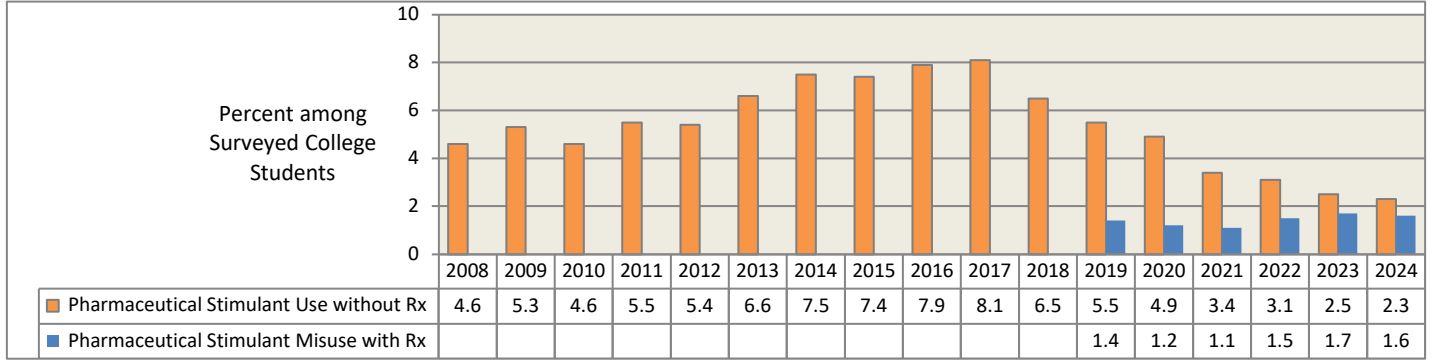
Source: Missouri Assessment of College Health Behaviors, 2017-2024; Missouri College Health Behavior Survey, 2007-2016  
Partners in Prevention (PIP) Statewide Coalition. University of Missouri, Columbia, MO.

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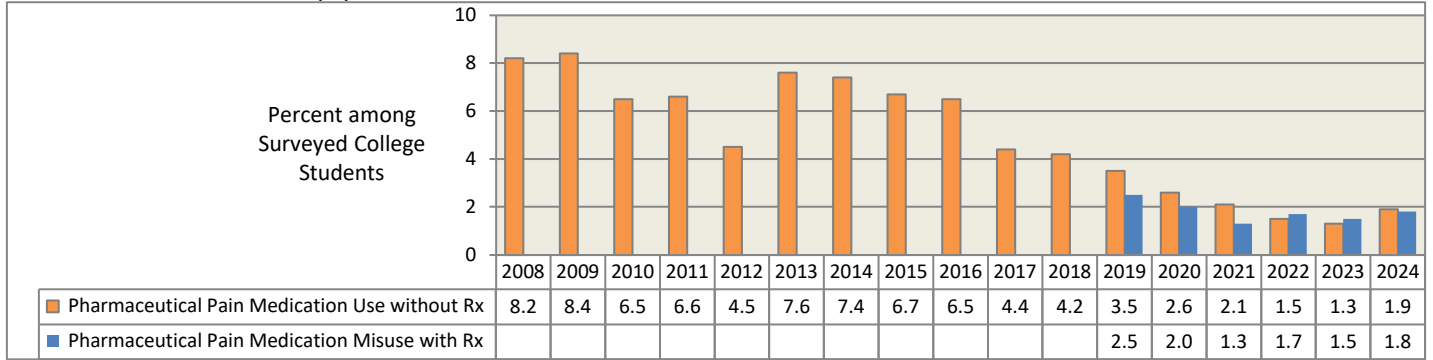
# MISSOURI ASSESSMENT OF COLLEGE HEALTH BEHAVIORS: MISSOURI COLLEGE STUDENTS

## Pharmaceutical Drug Use

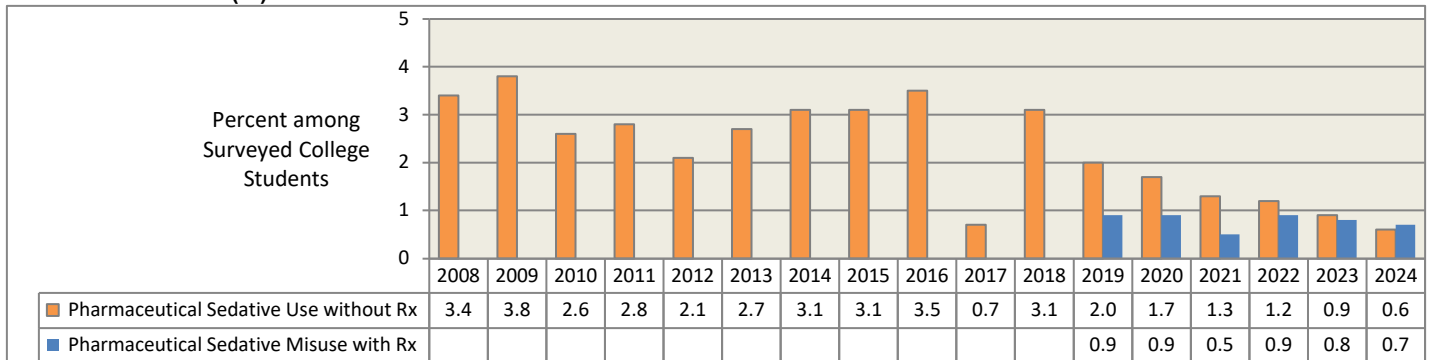
### Past-Year Stimulant Use (%)



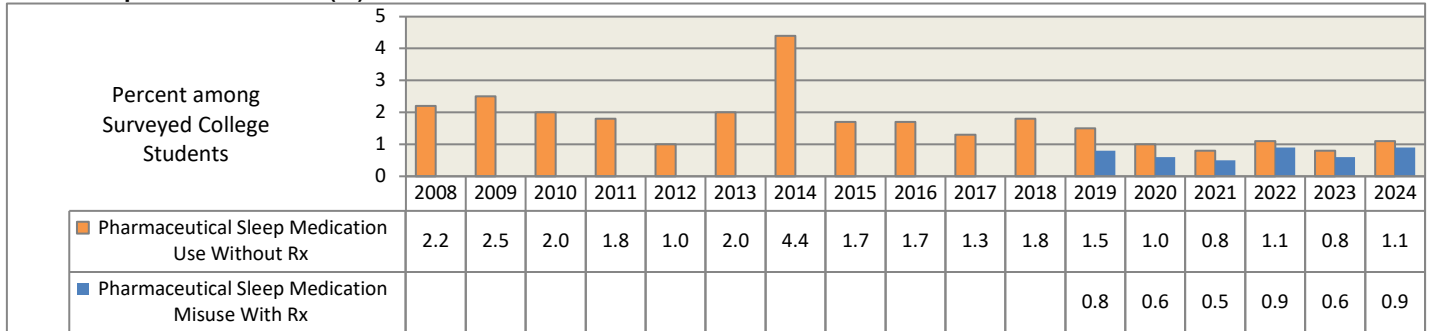
### Past-Year Pain Medication Use (%)



### Past-Year Sedative Use (%)



### Past-Year Sleep Medication Use (%)



Source: Missouri Assessment of College Health Behaviors, 2017-2024; Missouri College Health Behavior Survey, 2007-2016  
Partners in Prevention (PIP) Statewide Coalition. University of Missouri, Columbia, MO.

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# MISSOURI ASSESSMENT OF COLLEGE HEALTH BEHAVIORS: MISSOURI COLLEGE STUDENTS

## Substance Use

PERCENTAGE OF SURVEYED STUDENTS (%)	2024	2023	2022	2021	2020	2019	2018	2017	2016	2015
Alcohol Use in Past Year	60	63.6	65.0	70.5	72.5	74.1	74.7	75.9	74.7	74.8
Alcohol Use in Past 30 Days	48	52.8	52.7	56.2	59.3	60.7	62.5	63.5	58.7	60.1
Binge Alcohol Use in One Sitting in Past 2 Weeks	21					22.6	25.2	26.9	25.0	24.7
Binge Alcohol Use in 2-Hour Period in Past 2 Weeks	21	23.0	23.5	21.2	21.6	22.8	25.4	26.6	24.5	23.9
Frequent Binge Drinking: 3 or More Times in Past 2 Weeks	5.1	6.3	6.8	5.2	5.4	6.6	7.1	7.7	7.2	
<b>Average Age of First Use of Alcohol (in years)</b>	<b>17.3</b>	<b>17.4</b>	<b>17.4</b>							
Tobacco Use in Past Year	26	23.1	24.4	24.4	28.1	30.4	25.4	26.6	33.5	36.1
Cigarette Use in Past Year	11	9.6	9.2	9.8	10.4	12.0	13.2	14.6	16.5	16.5
Marijuana/Cannabis Use in Any Form in Past 30 Days	21.1	22.9	18.3							
Marijuana/Cannabis Use in Any Form in Past Year	32.3	32.6	27.2	28.2	29.1	29.5	31.4	30.1	23.3	22.2
Marijuana/Cannabis Smoked in Past Year	24.0	25.0	22.5	23.5	26.0					
Marijuana/Cannabis Edible Use in Past Year	24.9	25.3	19.5	20.0	18.0	17.5	16.7			
Marijuana/Cannabis Vapor Use in Past Year	19.4	18.9	16.2	15.8	15.0					
Marijuana Derivative Use in Past Year	8.0	9.8	9.6	9.3	11.0	13.1	10.8			
Other Marijuana/Cannabis Use in Past Year	2.2	2.4	2.7	2.0	2.3					
<b>Average Age of First Use of Marijuana/Cannabis (in years)</b>	<b>17.5</b>	<b>17.6</b>	<b>17.3</b>							
Delta 8 THC	11	13.7								
K2 (Synthetic Marijuana) Use in Past Year		1.2		0.7		3.9		4.5		1.2
Inhalant Use in Past Year		1.2		0.8		1.4		2.1		1.2
Any Illicit Drug Use (excluding Marijuana)	13									
Ecstasy, MDMA, Mushrooms, LSD, PCP, etc in Past Year		5.7		5.0	5.0	5.0	5.0			
MDMA (Ecstasy, Molly)	0.7	1.2								
Hallucinogens (LSD, PCP, Mushrooms, etc)	4.3	5.3								
Club Drug Use in Past Year								3.5		3.0
Cocaine Use in Past Year	1.4	1.8	1.8	2.1	3.1	4.1	4.0	5.0	3.3	2.7
Amphetamine Use in Past Year								4.4	4.7	3.8
Methamphetamine Use in Past Year		0.7		0.4		1.3		1.9		1.2
Kratom Use in Past Year		1.1		0.8						
Heroin Use in Past Year	0.3	0.4	0.3	0.1	0.2	0.2	0.4			
Bath Salts Use in Past Year										0.8
Prescription Stimulant Use without Rx in Past Year	2.3	2.5	3.1	3.4	4.9	5.5	6.5	8.1	7.9	7.4
Prescription Stimulant Misuse with Rx in Past Year	1.6	1.7	1.5	1.1	1.2	1.4				
Prescription Pain Medication Use without Rx in Past Year	1.9	1.3	1.5	2.1	2.6	3.5	4.2	4.4	6.5	6.7
Prescription Pain Medication Misuse with Rx in Past Year	1.8	1.5	1.7	1.3	2.0	2.5				
Prescription Sedative Use without Rx in Past Year	0.6	0.9	1.2	1.3	1.7	2.0	3.1	0.7	3.5	3.1
Prescription Sedative Misuse with Rx in Past Year	0.7	0.8	0.9	0.5	0.9	0.9				
Prescription Sleep Medication Use without Rx in Past Year	1.1	0.8	1.1	0.8	1.0	1.5	1.8	1.3	1.7	1.7
Prescription Sleep Medication Misuse with Rx in Past Year	0.9	0.6	0.9	0.5	0.6	0.8				
Other Prescription Drug Use without Rx in Past Year	0.8	1.0	1.2	0.5	0.6	0.6	0.5			
Other Prescription Drug Misuse with Rx in Past Year	0.7	0.9	1.1	0.4	0.6	0.6				
Prescription Drug Misuse with Alcohol Use in Past Year	21.8	28.5	28.5							

Data are unweighted.

A blank data cell indicates question not included on survey.

‡ Indicates first year of revised survey question.

Source: Missouri Assessment of College Health Behaviors, 2017-2024; Missouri College Health Behavior Survey, 2007-2016

Partners in Prevention (PIP) Statewide Coalition. University of Missouri, Columbia, MO.

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# MISSOURI ASSESSMENT OF COLLEGE HEALTH BEHAVIORS: MISSOURI COLLEGE STUDENTS

## Self-Reported Adverse Impacts of Alcohol Use Among Students Who Used Alcohol

	2024	2023	2022	2021	2020	2019	2018	2017	2016	2015
Hangover	35.8	36.8	36.5	40.7	45.3	46.2	48.9	49.4	47.4	47.9
Vomiting	26.3	28.1	28.6							
Blackout or Memory Loss	15.6	17.4	16.8	16.5	22.6	24.1	25.0	25.8	25.6	24.8
Rode with Someone who Drove After Drinking	11.2	15.1	12.3	13.2	18.0	21.1	21.4	23.1	24.9	26.9
Missed Class	11.4	11.0	11.5	7.7	14.9	14.2	16.3	16.5	15.1	15.4
Drove After Consumption	8.4	10.9	9.2	8.7	12.2	14.3	16.3	17.0	21.2	21.4
Been Hurt or Injured	9.1	8.1	7.4	7.5	9.8	9.3	9.3	9.9	9.9	9.2
Forced or Coerced to Drink More than Desired	7.0	7.0	7.8	8.2	11.1	12.9	12.3	14.9	16.1	14.3
Performed Poorly on Test or Assignment	5.0	6.4	6.2	5.0	7.8	7.6	9.0	9.6	8.8	9.4
Someone Had Sexual Contact with Me without My Consent	2.9	3.3	3.3	3.8	4.6	5.3	5.6	5.3	5.4	5.0
Experienced Alcohol Poisoning in Past Year	1.6	3.1	2.8							
Trouble with Campus Administration		1.9	1.6	1.3	2.2	2.5	2.7	2.9	3.2	3.1
Received Medical Attention	1.3	1.4	1.3	1.2	1.9	1.6	2.0	2.0	1.7	2.1
Arrested by Campus Police or Other Law Enforcement		0.4	0.5	0.3	0.8	0.9	0.9	1.1	1.3	1.3
Had Sexual Contact with Someone without Their Consent		0.3	0.3	0.2	0.5	0.6	0.9	0.9	0.7	1.0
Arrested for DUI or DWI		0.2	0.4	0.3	0.3	0.5	0.5	0.7	0.7	0.7
Engaged in Risky Sexual Behavior				7.7	10.8	12.1	12.7	13.4	13.6	14.4

## Self-Reported Adverse Impacts of Marijuana Use Among Students Who Used Marijuana/Cannabis

	2024	2023	2022	2021	2020	2019
Felt in a fog, sluggish, tired, or dazed the morning after using	46.8	40.2		34.0	37.2	34.0
Needed to use more because of an increased tolerance	26.8	25.5				
Attended class after using marijuana/cannabis	20.9	19.8				
Felt very sick to my stomach or threw up	18.8	16.4		17.0	14.9	13.9
Had trouble sleeping		10.5				
Missed class		9.6	8.8	6.4	9.8	8.2
Performed poorly on a test or assignment		7.3	9.1	4.9	6.0	5.7
Had a blackout after using marijuana/cannabis heavily		6.7		5.6	6.3	5.4
Been arrested for DUI/DWI		0.6		0.5	0.4	0.8
Driven after consuming any cannabis products	25.1				29.4	35.0
Been in trouble with campus administrators					2.2	2.3
Been hurt or injured					1.8	1.2
Damaged property or done something disruptive					1.5	2.2
Received medical attention					0.8	0.9

Data are unweighted.

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# MISSOURI ASSESSMENT OF COLLEGE HEALTH BEHAVIORS: MISSOURI COLLEGE STUDENTS

## Mental Health Issues

2024 2023 2022 2021 2020 2019 2018 2017 2016 2015 2014

### AMONG ALL STUDENTS, MAIN SOURCES OF STRESS (%)

	2024	2023	2022	2021	2020	2019	2018	2017	2016	2015	2014
School / Academics		88.0	88.8	90.8	90.1		91.9		87.1		89.4
Financial Concerns		52.8	51.8	50.2	56.4		57.5		54.2		54.4
Future Plans		51.8	50.4	55.6	53.7		53.6		50.3		53.2
Time Management		54.5	52.0	50.6	53.1		52.7		50.8		52.2
Job		37.6	37.1	38.9	35.5		38.3		37.0		34.9
Dating / Relationship with Partner		25.4	25.3	26.8	27.0		28.4		27.5		29
Friends / Family		33.5	‡ 33.0	35.6	33.2		31.1		30.0		29.7
Physical Health		30.9	28.1	35.0	31.1		29.7		26.2		25.1
Outside Organizations / Responsibilities		21.2	19.2	18.4	22.3		22.9		20.4		22.8
Friends				22.4	23.3		20.7		19.0		19.6
Roommates		15.1	15.1	14.4	16.0		16.6		15.8		16.6
Mental Health Issues		43.6	42.5	41.2	33.7		22.9		15.7		9.9
Other Sources of Stress		2.3	2.5	3.6	1.9		2.1		2.2		2.6

### AMONG ALL STUDENTS, PROBLEMS EXPERIENCED IN PAST YEAR (%)

	2024	2023	2022	2021	2020	2019	2018	2017	2016	2015	2014
Anxiety	61	67.2	69.6	64.3	60.6	57.4	52.1	49.0	47.3	45.0	44.1
Depression	47	53.8	54.8	34.8	32.7	31.4	26.8	24.6	22.9	21.4	18.5
Panic Attack	26	30.1	30.0	29.8	29.6	27.6	24.5	21.5	19.2	17.2	15.4
Chronic Sleep Issue	25	26.2	28.1	25.3	22.3	20.0	18.8	17.1	18.5	18.2	18.8
Disordered Eating / Eating Disorder	24	‡ 23.8	19.0	14.3	11.5	8.7	7.3	6.8	6.5	6.6	5.8
Suicidal Thoughts	22	25.9	25.1	24.7	24.6	23.1	20.4	17.6	17.4	15.0	15
Body/Gender Dysphoria	15										
Abusive Relationship	13			4.4	4.7	4.9	4.6	4.2	3.8	4.1	3.2
Self-injury/self-harm behaviors	9.1	9.2	8.3	6.1	6.0	5.9	5.2	4.7	4.6	4.5	3.6
Post Traumatic Stress Disorder (PTSD)	8.7										
Sexual Assault				3.8	3.6	3.8	3.5	2.8	2.6	2.1	1.5
Substance Use Disorder or Dependency	4.4	4.7	‡ 4.3	3.8	2.3	2.8	2.5	2.6	2.7	2.8	2.8
Bipolar Disorder	3.5	4.2	4.3	3.4	3.5	3.4	2.3	2.5	2.8	2.8	2.6
Suicide Attempt	1.5	2.1	2.1	1.6	2.1	1.8	1.8	1.3	1.6	1.5	0.9
Other Issues/Mental Health Concerns	1.4	1.5	1.8	3.3	2.5	2.0	1.5	1.7	1.7	1.9	0.4
None of the Listed Problems	24	19.8	18.5	25.0	28.9	33.2	38.2	41.7	40.9	41.7	43.3

### AMONG STUDENTS EXPERIENCING THE PROBLEMS LISTED BELOW, THOSE WHO SOUGHT ASSISTANCE (%)

	2024	2023	2022	2021	2020	2019	2018	2017	2016	2015	2014
Depression	77.8	81.1	‡ 89.8	75.1	70.5	67.4	67.0	66.0	‡ 63.6	47.7	50.3
Panic Attack	82.2	84.9	92.1	77.9	75.0	71.2	72.3	70.5	‡ 68.5	41.8	42.6
Bipolar Disorder	78.2	86.9	83.9	77.1	74.0	68.4	70.9	69.0	‡ 66.7	51.7	50.8
Abusive Relationship	78.0			78.8	74.1	68.9	64.6	61.6	‡ 63.6	28.0	35.1
Anxiety	78.4	80.5	90.0	67.6	68.8	65.0	65.9	60.4	‡ 62.7	39.1	26.9
Chronic Sleep Issue	76.0	80.5	90.2	69.5	67.3	60.3	61.7	59.4	‡ 59.2	35.4	31.8
Self-injury	78.2	85.1	92.7	73.3	72.1	67.3	69.7	64.2	‡ 61.1	39.2	39.4
Sexual Assault				73.5	71.9	65.7	68.1	62.1	‡ 63.6	25.0	30.3
Disordered Eating / Eating Disorder	77.5	‡ 80.1	88.1	70.7	67.0	64.0	64.0	58.6	‡ 57.0	27.9	24.9
Substance Use Disorder or Dependency	75.1	80.8	‡ 88.4	64.9	60.0	65.2	57.1	55.0	‡ 54.9	22.4	21
Other Issue	79.7	87.0	96.1	77.3	79.8	78.7	83.9	68.1	‡ 69.0	48.5	51.9

Data are unweighted.

A blank data cell indicates question not included on survey.

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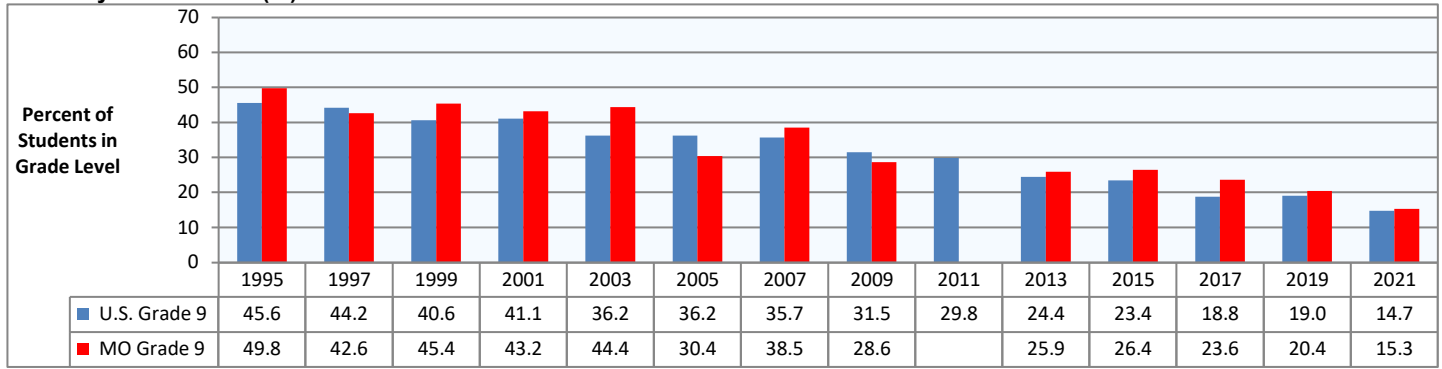
Source: Missouri Assessment of College Health Behaviors, 2017-2024; Missouri College Health Behavior Survey, 2007-2016

Partners in Prevention (PIP) Statewide Coalition. University of Missouri, Columbia, MO.

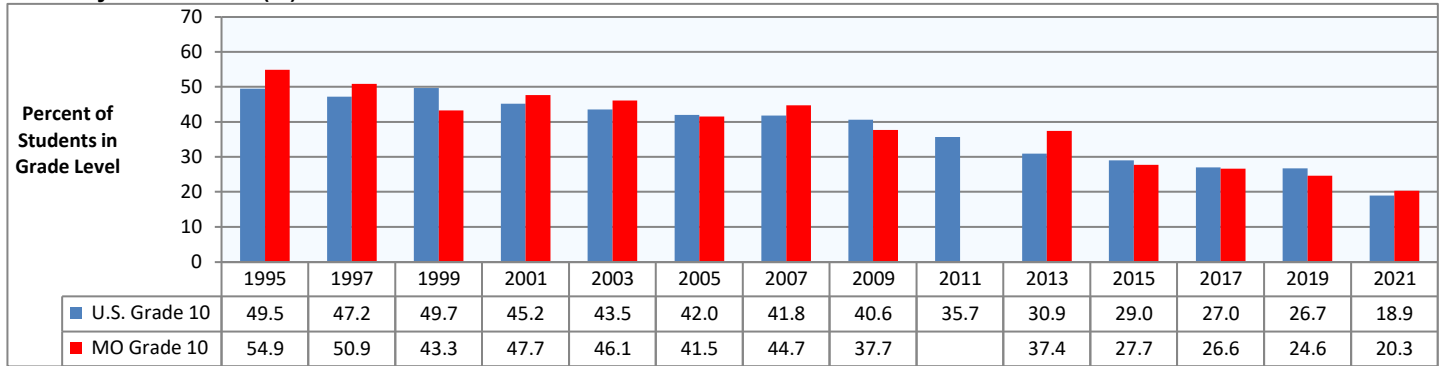
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## PAST 30-DAY ALCOHOL USE: U.S. AND MISSOURI STUDENTS IN GRADES 9-12

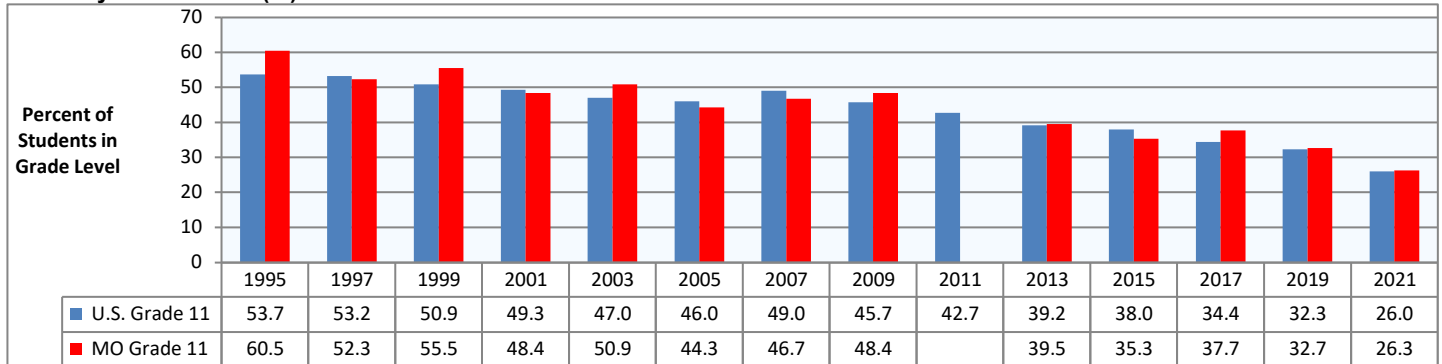
**Past 30-Day Alcohol Use (%): U.S. and Missouri Students in Grade 9**



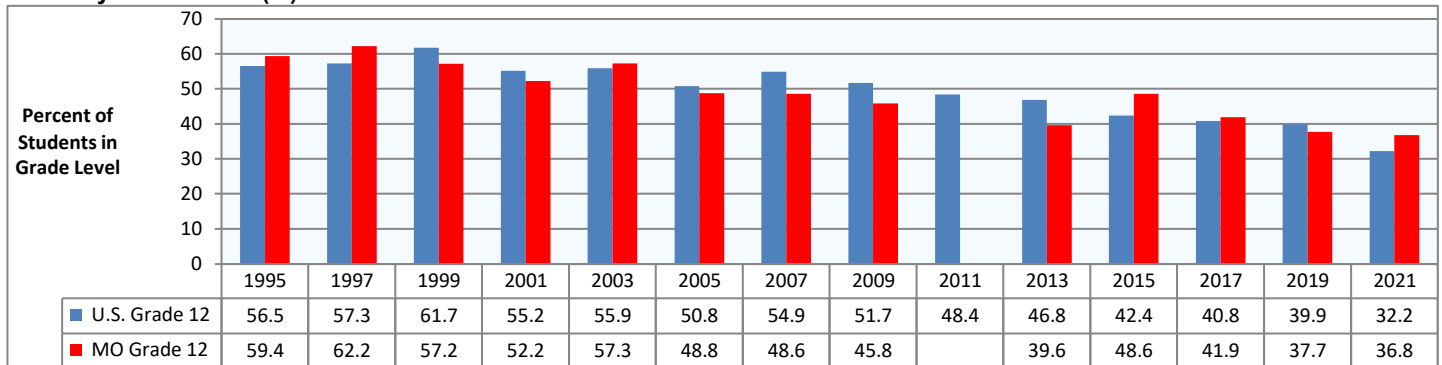
**Past 30-Day Alcohol Use (%): U.S. and Missouri Students in Grade 10**



**Past 30-Day Alcohol Use (%): U.S. and Missouri Students in Grade 11**



**Past 30-Day Alcohol Use (%): U.S. and Missouri Students in Grade 12**

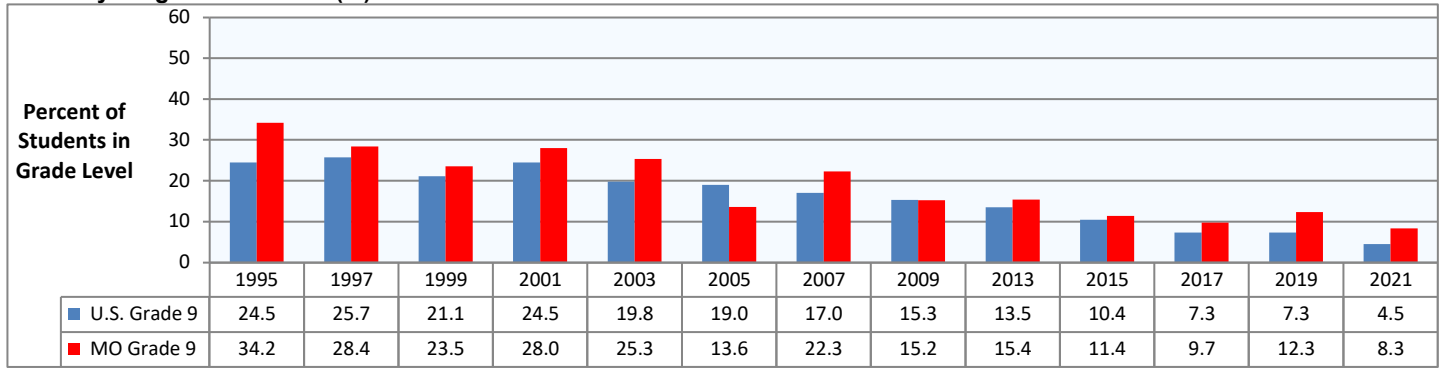


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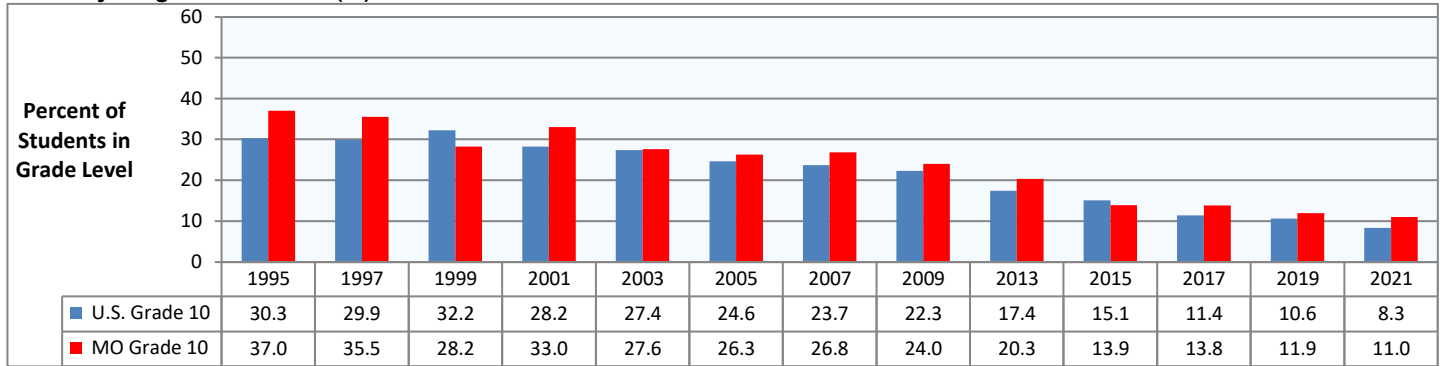
U.S. Department of Health and Human Services, Centers for Disease Control and Prevention. High School Youth Risk Behavior Survey. Data shown are weighted estimates. 2011 Missouri estimates are not available due to insufficient survey response rate.

## PAST 30-DAY BINGE ALCOHOL USE: U.S. AND MISSOURI STUDENTS IN GRADES 9-12

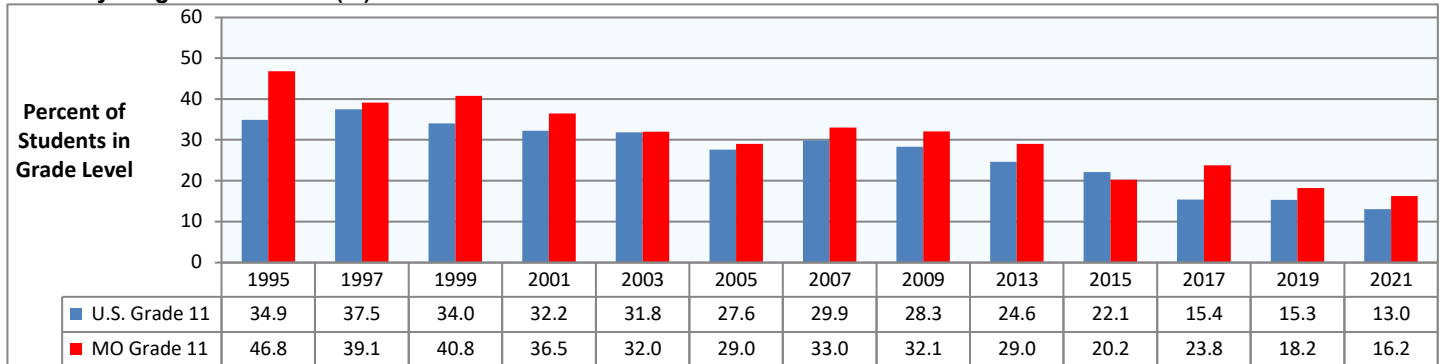
**Past 30-Day Binge Alcohol Use (%): U.S. and Missouri Students in Grade 9**



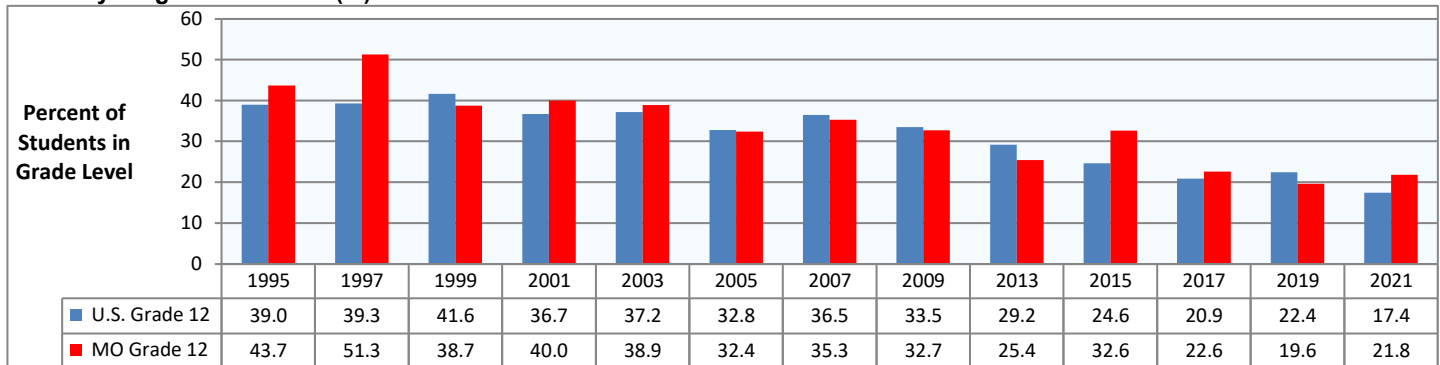
**Past 30-Day Binge Alcohol Use (%): U.S. and Missouri Students in Grade 10**



**Past 30-Day Binge Alcohol Use (%): U.S. and Missouri Students in Grade 11**



**Past 30-Day Binge Alcohol Use (%): U.S. and Missouri Students in Grade 12**

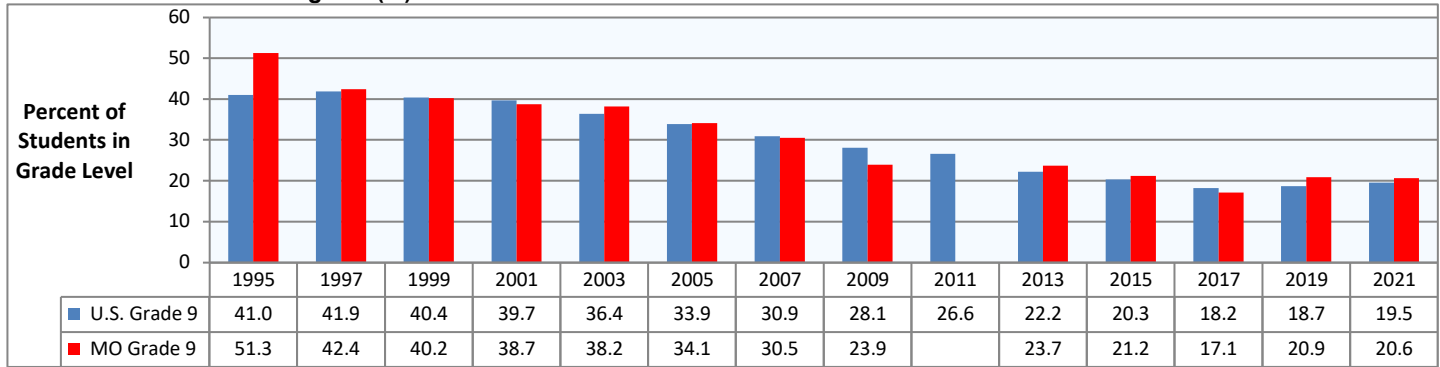


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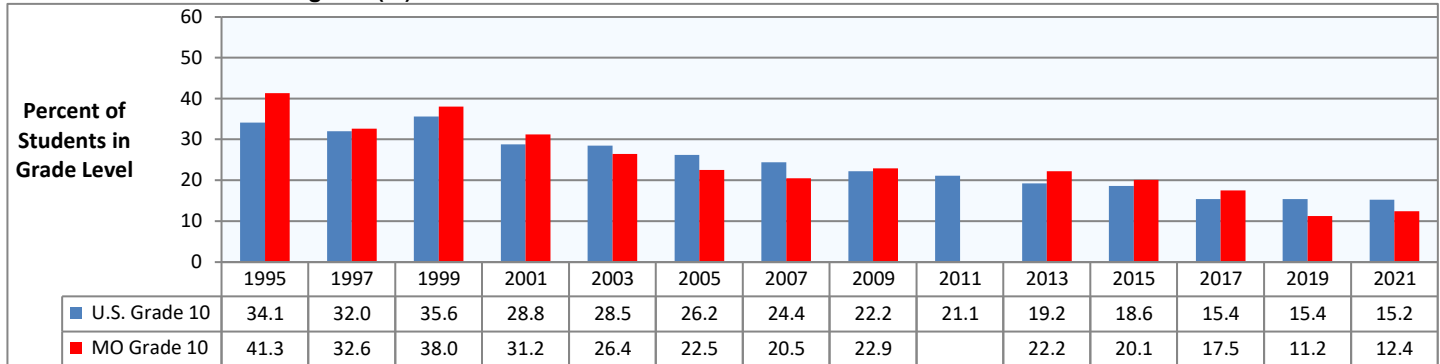
U.S. Department of Health and Human Services, Centers for Disease Control and Prevention. High School Youth Risk Behavior Survey. Data shown are weighted estimates. 2011 Missouri estimates are not available due to insufficient survey response rate.

## ALCOHOL USE BEFORE AGE 13: U.S. AND MISSOURI STUDENTS IN GRADES 9-12

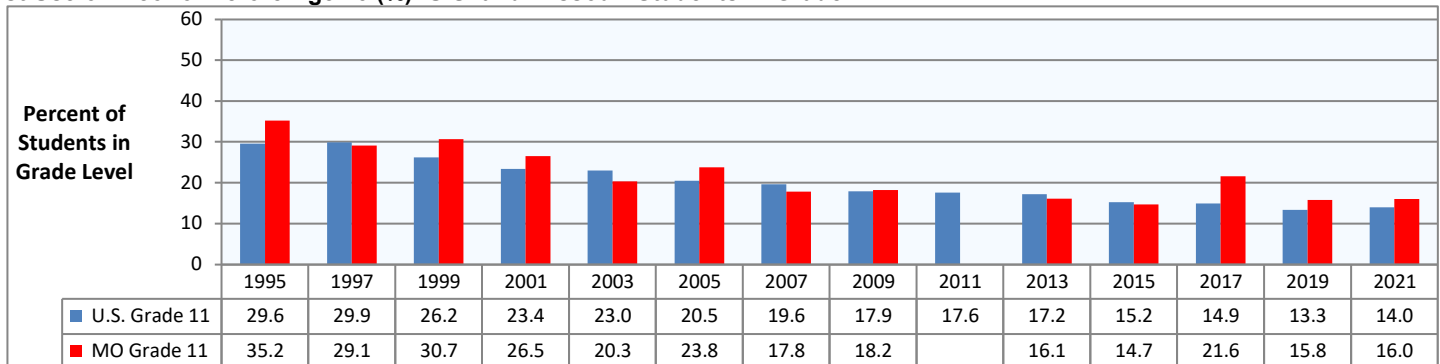
**First Use of Alcohol Before Age 13 (%): U.S. and Missouri Students in Grade 9**



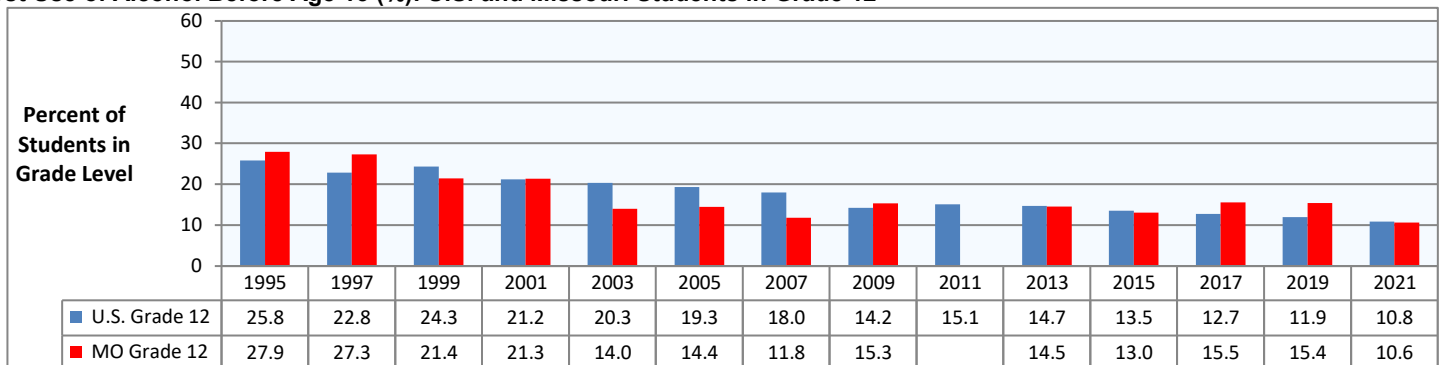
**First Use of Alcohol Before Age 13 (%): U.S. and Missouri Students in Grade 10**



**First Use of Alcohol Before Age 13 (%): U.S. and Missouri Students in Grade 11**



**First Use of Alcohol Before Age 13 (%): U.S. and Missouri Students in Grade 12**



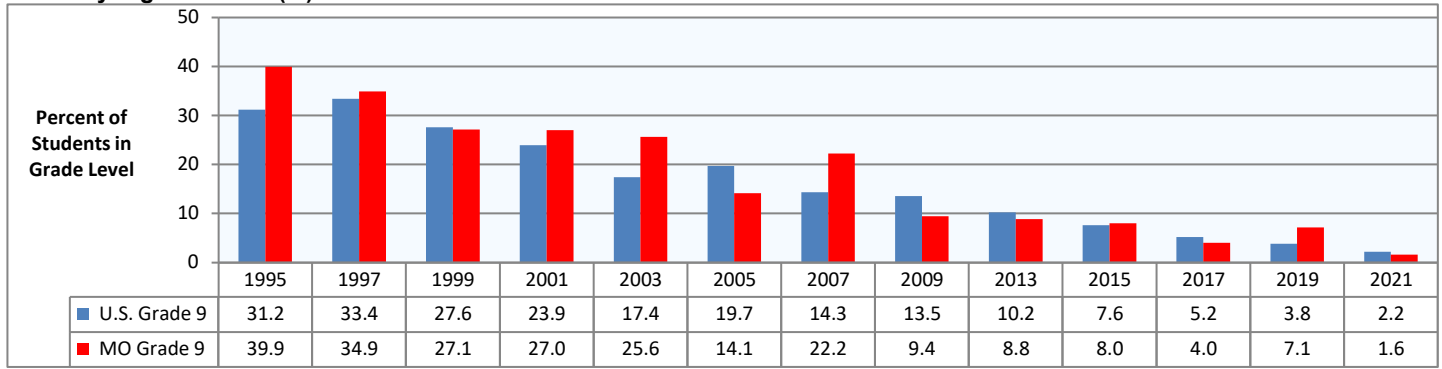
Data Source:

U.S. Department of Health and Human Services, Centers for Disease Control and Prevention. High School Youth Risk Behavior Survey. Data shown are weighted estimates. 2011 Missouri estimates are not available due to insufficient survey response rate.

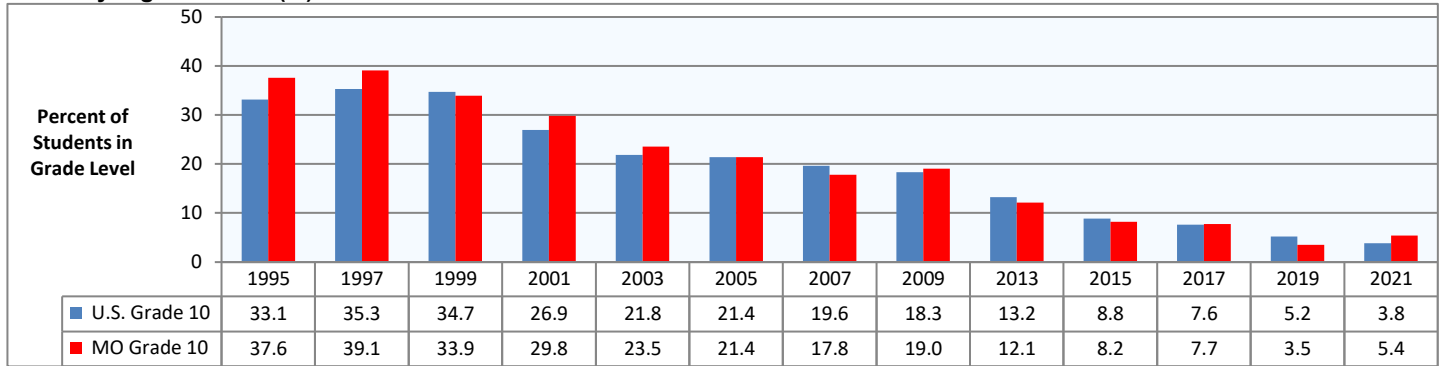


## PAST 30-DAY CIGARETTE USE: U.S. AND MISSOURI STUDENTS IN GRADES 9-12

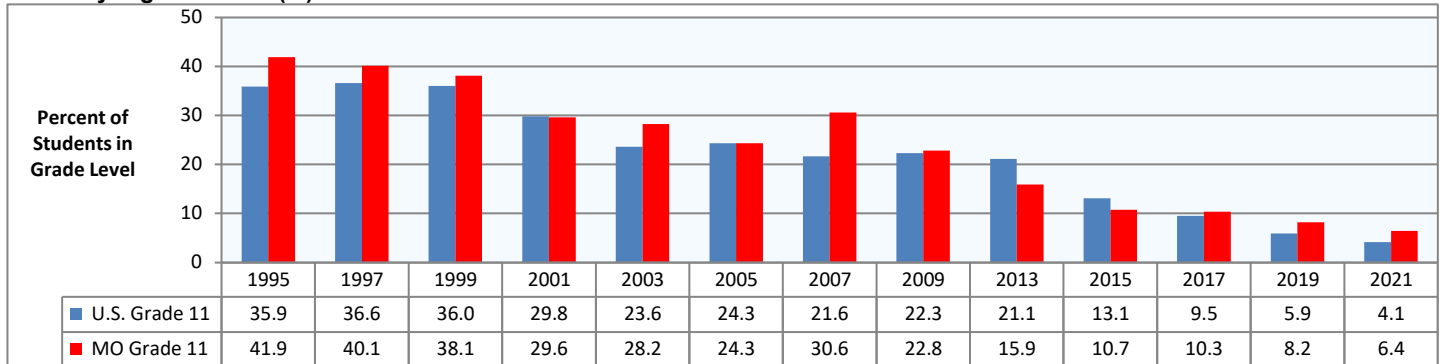
**Past 30-Day Cigarette Use (%): U.S. and Missouri Students in Grade 9**



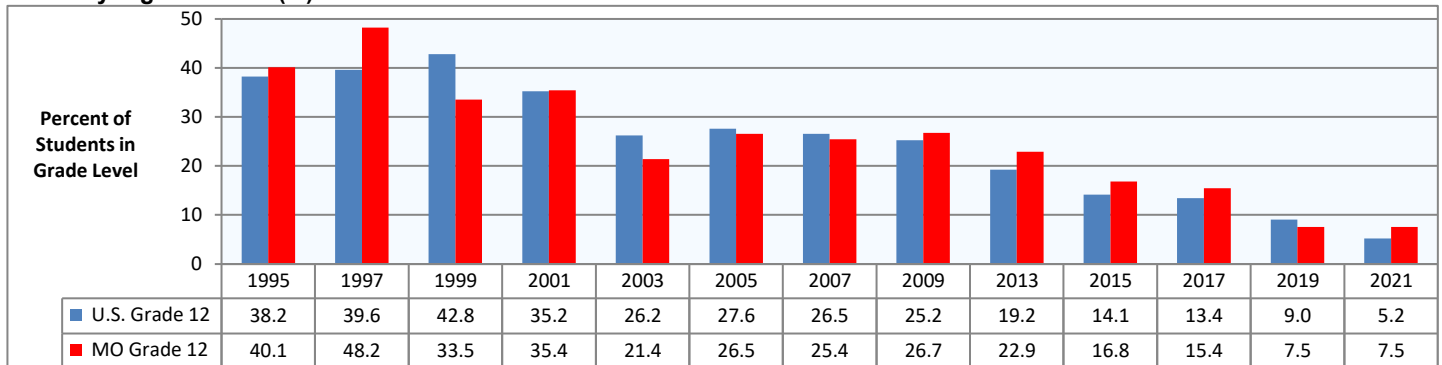
**Past 30-Day Cigarette Use (%): U.S. and Missouri Students in Grade 10**



**Past 30-Day Cigarette Use (%): U.S. and Missouri Students in Grade 11**



**Past 30-Day Cigarette Use (%): U.S. and Missouri Students in Grade 12**

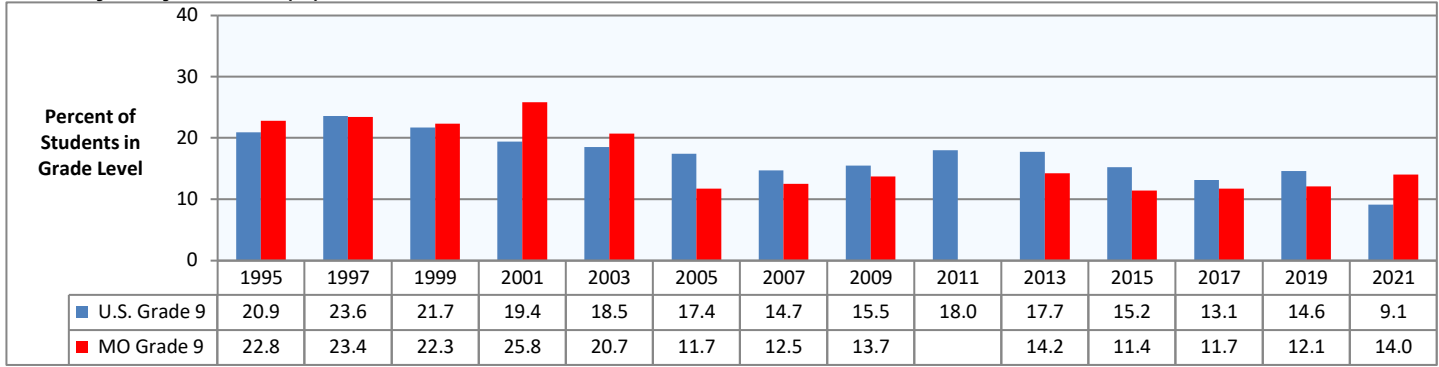


Data Source:

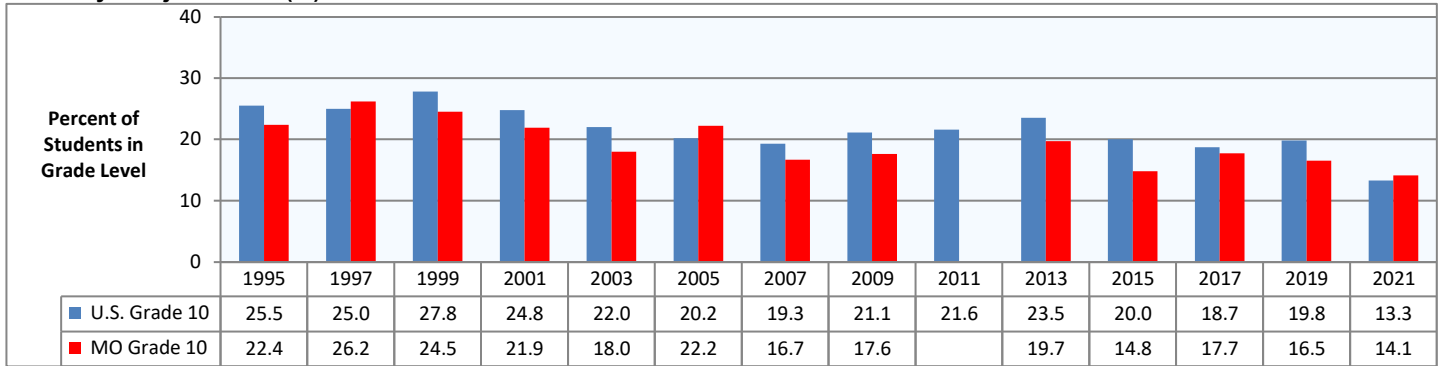
U.S. Department of Health and Human Services, Centers for Disease Control and Prevention. High School Youth Risk Behavior Survey. Data shown are weighted estimates. 2011 Missouri estimates are not available due to insufficient survey response rate.

## PAST 30-DAY MARIJUANA USE: U.S. AND MISSOURI STUDENTS IN GRADES 9-12

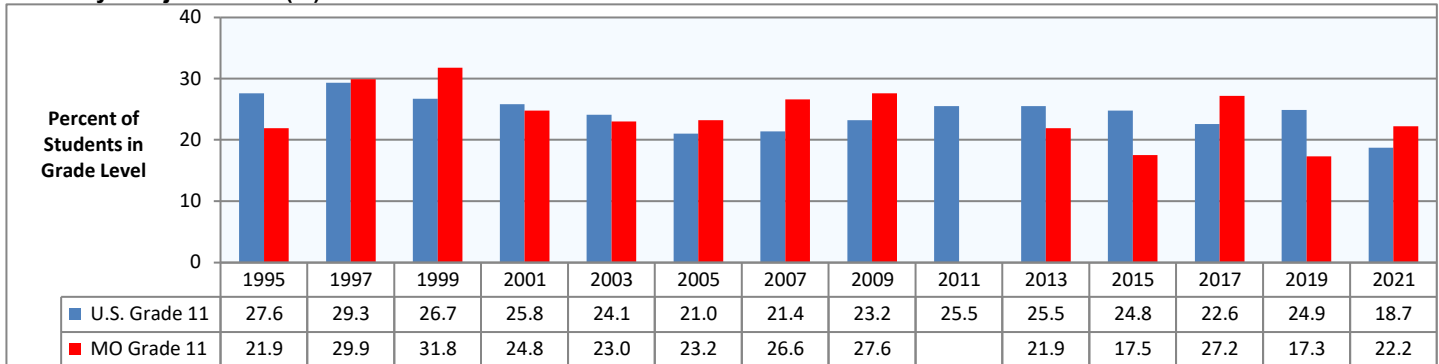
**Past 30-Day Marijuana Use (%): U.S. and Missouri Students in Grade 9**



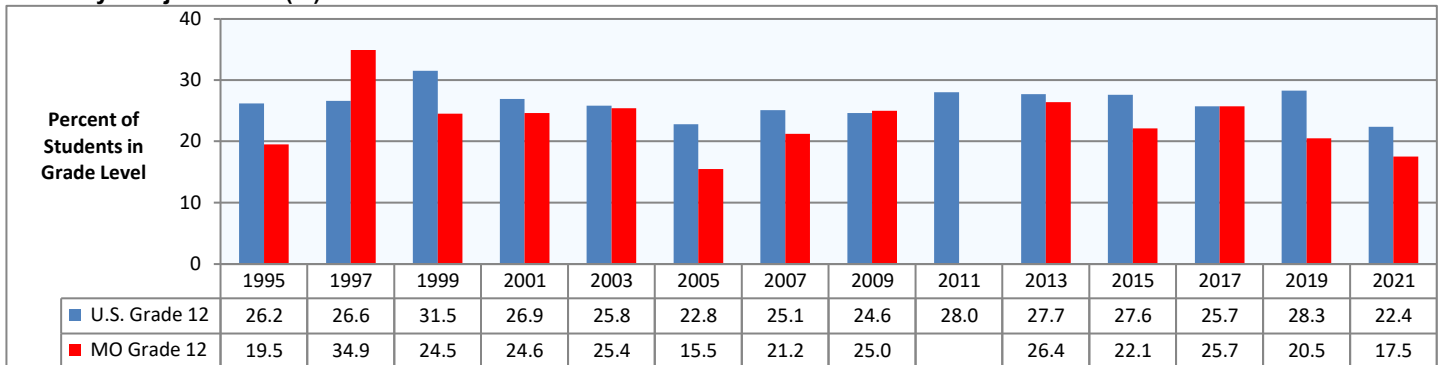
**Past 30-Day Marijuana Use (%): U.S. and Missouri Students in Grade 10**



**Past 30-Day Marijuana Use (%): U.S. and Missouri Students in Grade 11**



**Past 30-Day Marijuana Use (%): U.S. and Missouri Students in Grade 12**

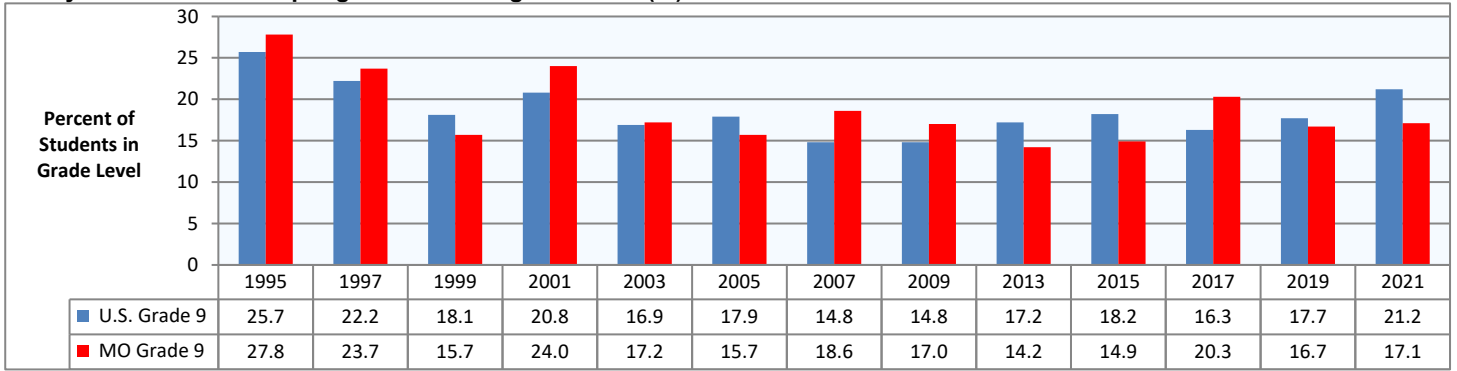


Data Source:

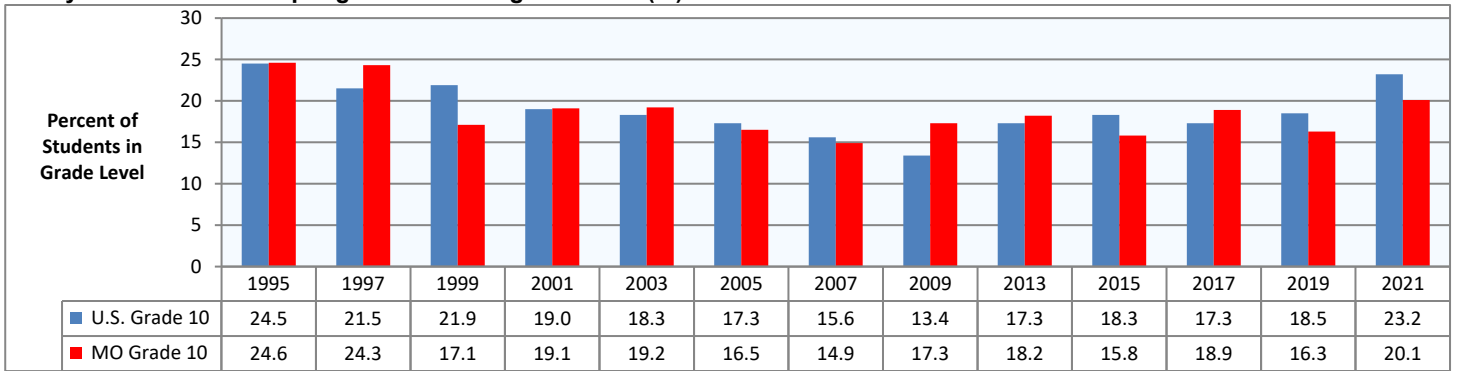
U.S. Department of Health and Human Services, Centers for Disease Control and Prevention. High School Youth Risk Behavior Survey. Data shown are weighted estimates. 2011 Missouri estimates are not available due to insufficient survey response rate.

## SERIOUSLY CONSIDERED SUICIDE: U.S. AND MISSOURI STUDENTS IN GRADES 9-12

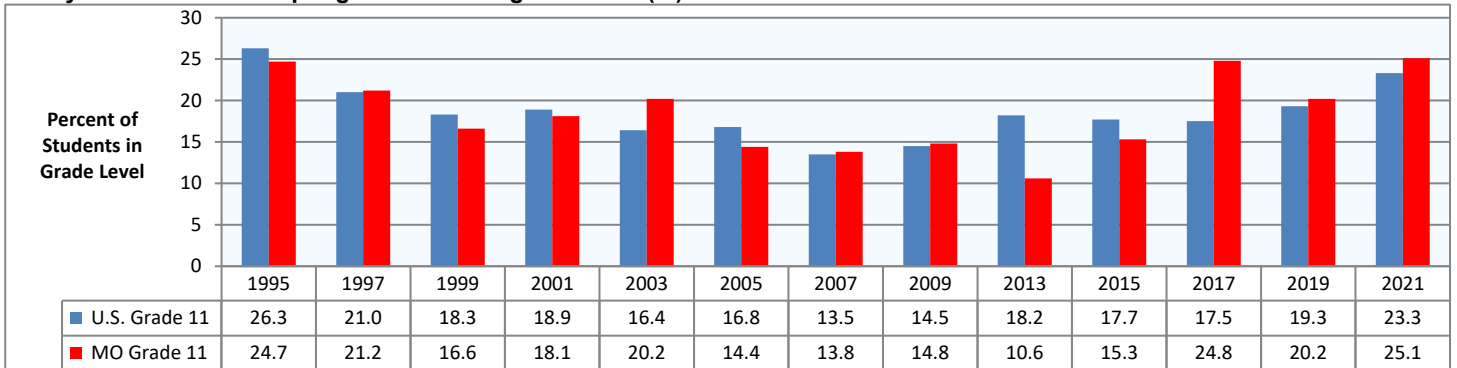
**Seriously Considered Attempting Suicide during Past Year (%): U.S. and Missouri Students in Grade 9**



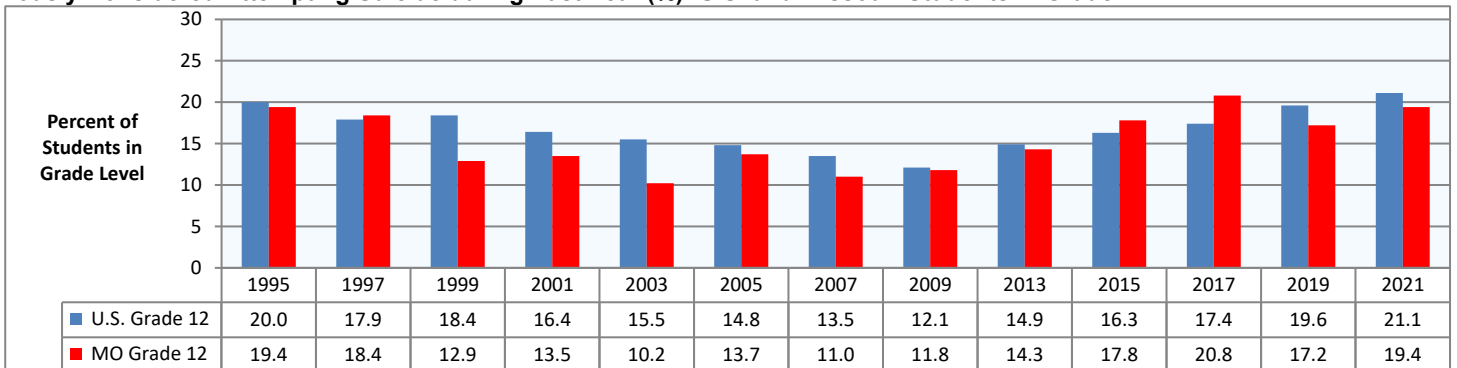
**Seriously Considered Attempting Suicide during Past Year (%): U.S. and Missouri Students in Grade 10**



**Seriously Considered Attempting Suicide during Past Year (%): U.S. and Missouri Students in Grade 11**



**Seriously Considered Attempting Suicide during Past Year (%): U.S. and Missouri Students in Grade 12**



Data Source:

U.S. Department of Health and Human Services, Centers for Disease Control and Prevention. High School Youth Risk Behavior Survey.  
Data shown are weighted estimates. 2011 Missouri estimates are not available due to insufficient survey response rate.

**YOUTH RISK BEHAVIOR SURVEY: U.S. AND MISSOURI STUDENTS IN GRADE 9**

Daily Use <sup>1</sup>	2021		2019		2017		2015		2013		2011		2009		2007		2005	
	U.S.	MO	U.S.	MO	U.S.	MO	U.S.	MO	U.S.	MO	U.S.	MO	U.S.	MO	U.S.	MO	U.S.	MO
Cigarettes	0.3	0.2	0.6	0.5	0.9	0.7	1.7	1.3	2.2	1.6	2.3	NA	3.3	1.9	3.2	6.6	5.2	3.7
Smokeless Tobacco	0.2	0.4	NA	NA	0.6	1.2												
Electronic Vapor Product	2.6	2.3	3.6	4.6	1.2	1.3	1.9	1.0										

Current Use <sup>2</sup>	2021		2019		2017		2015		2013		2011		2009		2007		2005	
	U.S.	MO	U.S.	MO	U.S.	MO	U.S.	MO	U.S.	MO	U.S.	MO	U.S.	MO	U.S.	MO	U.S.	MO
Alcohol	14.7	15.3	19.0	20.4	18.8	23.6	23.4	26.4	24.4	25.9	29.8	NA	31.5	28.6	35.7	38.5	36.2	30.4
Binge Drinking <sup>3</sup>	4.5	8.3	7.3	12.3	7.3	9.7	10.4	11.4	13.5	15.4	14.0	NA	15.3	15.2	17.0	22.3	19.0	13.6
Cigarettes	2.2	1.6	3.8	7.1	5.2	4.0	7.6	8.0	10.2	8.8	13.0	NA	13.5	9.4	14.3	22.2	19.7	14.1
Frequent Cigarette use <sup>4</sup>	0.4	0.2	0.7	0.5	1.3	1.2	2.2	1.7	2.9	2.2	3.3	NA	4.7	2.2	4.3	8.7	6.9	5.1
More than 10 Cigarettes per Day	6.2	NA	NA	NA	7.9	NA	6.8	NA	9.1	NA	6.2	NA	8.0	NA	10.1	NA	8.6	NA
Smokeless Tobacco <sup>6</sup>	2.1	0.7	2.0	2.5	4.1	3.4	5.9	8.8	7.3	9.2	5.9	NA	7.2	6.5	6.3	7.6	7.6	3.6
Marijuana	9.1	14.0	14.6	12.1	13.1	11.7	15.2	11.4	17.7	14.2	18.0	NA	15.5	13.7	14.7	12.5	17.4	11.7
Electronic Vapor Product	12.9	11.1	25.0	14.8	9.5	6.5	19.7	18.8										
Frequent EVP use <sup>8</sup>	3.9	3.9	6.2	5.9	1.8	2.1	2.4	1.6										

Use Before Age 13	2021		2019		2017		2015		2013		2011		2009		2007		2005	
	U.S.	MO	U.S.	MO	U.S.	MO	U.S.	MO	U.S.	MO	U.S.	MO	U.S.	MO	U.S.	MO	U.S.	MO
Alcohol	19.5	20.6	18.7	16.0	18.2	17.1	20.3	21.2	22.2	23.7	26.6	NA	28.1	23.9	30.9	30.5	33.9	34.1
Cigarettes	8.2	NA	8.8	11.6	9.5	11.6	7.2	10.0	9.5	9.2	12.1	NA	12.1	8.2	16.3	15.7	18.6	15.9
Marijuana	4.9	7.1	6.0	NA	7.0	NA	8.5	NA	9.8	NA	9.7	NA	9.1	6.3	9.8	8.9	11.2	11.4

Ever Used <sup>9</sup>	2021		2019		2017		2015		2013		2011		2009		2007		2005	
	U.S.	MO	U.S.	MO	U.S.	MO	U.S.	MO	U.S.	MO	U.S.	MO	U.S.	MO	U.S.	MO	U.S.	MO
Alcohol	NA	NA	NA	NA	47.7	NA	50.8	NA	55.6	NA	61.7	NA	63.4	62.0	65.5	67.8	66.5	64.5
Cigarettes	13.9	NA	18.1	NA	20.9	22.5	25.1	24.9	31.7	31.2	37.7	NA	37.7	34.0	42.7	47.2	48.7	40.7
Marijuana	15.6	NA	24.3	20.1	23.8	NA	25.9	NA	30.1	NA	30.8	NA	26.4	22.3	27.5	24.6	29.3	22.8
Synthetic Marijuana	5.0	NA	5.3	NA	5.5	NA	7.1	NA										
Electronic Vapor Product	26.1	27.0	40.2	42.8	32.7	31.8	37.2	33.6										
Inhalant	8.7	NA	6.0	NA	7.2	NA	8.3	NA	10.1	NA	12.7	NA	13.0	10.7	15.0	17.3	14.1	12.5
Hallucinogen	3.4	NA	3.8	NA	4.0	NA	4.7	NA	4.6	NA	6.3	NA	5.9	NA	5.1	NA	7.2	NA
Ecstasy	1.7	1.5	2.4	NA	2.5	NA	3.2	NA	4.0	NA	5.2	NA	4.9	1.3	4.6	5.5	5.8	3.8
Cocaine	1.7	1.6	2.3	3.5	2.9	NA	3.4	NA	4.4	NA	5.0	NA	4.5	2.2	4.8	4.5	6.0	3.1
Methamphetamine	1.4	1.9	1.4	2.7	1.9	NA	2.0	NA	2.4	NA	3.2	NA	3.3	1.9	3.6	2.9	5.7	2.9
Heroin	0.8	1.4	1.3	0.9	1.3	3.0	1.8	NA	2.0	NA	2.9	NA	2.1	0.9	2.6	2.0	2.8	2.1
Prescription Pain Medicine <sup>10</sup>	13.2	19.3	13.8	20.8	10.9	9.3												
Steroid	NA	NA	2.0	NA	2.6	NA	3.6	NA	2.9	NA	4.2	NA	3.2	2.0	4.8	3.5	4.8	2.4
Injection Drug Use	1.0	1.7	1.7	NA	1.3	NA	1.6	NA	1.5	NA	2.1	NA	2.0	1.3	2.0	3.6	2.4	1.7
Illicit Drugs at School <sup>11</sup>	11.7	13.1	21.6	NA	18.9	NA	21.6	NA	22.4	NA	23.7	NA	22.0	17.4	21.2	16.4	24.0	16.9

**Footnotes:**

NA Data not available.

- Use of the substance on all 30 days during the 30 days prior to the survey.
  - Use of the substance on at least 1 day during the 30 days prior to the survey
  - Binge alcohol use in the YRBS is defined as males consuming 5 or more drinks in a row and females consuming 4 or more drinks in a row within a couple of hours on at least one day during the past 30 days.
  - Use of cigarettes on 20 or more days during the 30 days prior to the survey.
  - Percentages are among the current smokers.
  - Does not include electronic vapor products.
  - Use of smokeless tobacco products on 20 or more days during the 30 days prior to the survey.
  - Used electronic vapor product on 20 or more days during the 30 days prior to the survey.
  - Use of the substance at least once in lifetime.
  - Prescription pain medicine without a doctor's prescription or differently than how doctor instructed to use it.
  - Student was offered, sold, or given an illegal drug on school property.
- Values shown are weighted estimates based on sampling. Apparent differences in values may not be statistically significant.

Data Source: U.S. Department of Health and Human Services, Centers for Disease Control and Prevention. High School Youth Risk Behavior Survey.

## YOUTH RISK BEHAVIOR SURVEY: U.S. AND MISSOURI STUDENTS IN GRADE 10

Daily Use <sup>1</sup>	2021		2019		2017		2015		2013		2011		2009		2007		2005	
	U.S.	MO	U.S.	MO	U.S.	MO	U.S.	MO	U.S.	MO	U.S.	MO	U.S.	MO	U.S.	MO	U.S.	MO
Cigarettes	0.4	0.7	1.0	0.2	1.4	1.2	2.1	1.8	2.9	2.9	3.4	NA	4.0	5.6	5.5	7.6	5.8	6.9
Smokeless Tobacco	0.5	0.8	NA	NA	1.5	0.9												
Electronic Vapor Product	3.5	5.4	5.4	5.7	1.7	1.7	1.7	2.3										

Current Use <sup>2</sup>	2021		2019		2017		2015		2013		2011		2009		2007		2005	
	U.S.	MO	U.S.	MO	U.S.	MO	U.S.	MO	U.S.	MO	U.S.	MO	U.S.	MO	U.S.	MO	U.S.	MO
Alcohol	18.9	20.3	26.7	24.6	27.0	26.6	29.0	27.7	30.9	37.4	35.7	NA	40.6	37.7	41.8	44.7	42.0	41.5
Binge Drinking <sup>3</sup>	8.3	11.0	10.6	11.9	11.4	13.8	15.1	13.9	17.4	20.3	18.4	NA	22.3	24.0	23.7	26.8	24.6	26.3
Cigarettes	3.8	5.4	5.2	3.5	7.6	7.7	8.8	8.2	13.2	12.1	15.6	NA	18.3	19.0	19.6	17.8	21.4	21.4
Frequent Cigarette use <sup>4</sup>	0.6	0.2	1.2	0.2	1.8	1.2	2.9	2.4	4.0	4.9	4.3	NA	5.7	7.0	7.0	9.5	7.7	10.0
More than 10 Cigarettes per Day	10.4	NA	6.1	NA	10.6	NA	10.4	NA	8.7	NA	6.8	NA	6.2	NA	9.0	NA	6.6	11.2
Smokeless Tobacco <sup>5</sup>	2.2	5.8	3.6	5.8	4.6	5.8	6.3	8.9	8.1	10.1	7.4	NA	8.1	9.5	8.7	9.1	7.5	8.1
Marijuana	13.3	14.1	19.8	16.5	18.7	17.7	20.0	14.8	23.5	19.7	21.6	NA	21.1	17.6	19.3	16.7	20.2	22.2
Electronic Vapor Product	16.5	17.8	30.5	17.9	11.4	11.0	23.2	16.9										
Frequent EVP use <sup>8</sup>	5.4	6.6	7.7	6.4	2.7	2.3	3.0	2.9										

Use Before Age 13	2021		2019		2017		2015		2013		2011		2009		2007		2005	
	U.S.	MO	U.S.	MO	U.S.	MO	U.S.	MO	U.S.	MO	U.S.	MO	U.S.	MO	U.S.	MO	U.S.	MO
Alcohol	15.2	12.4	15.4	11.2	15.4	17.5	18.6	20.1	19.2	22.2	21.1	NA	22.2	22.9	24.4	20.5	26.2	22.5
Cigarettes	6.1	NA	7.5	6.7	9.1	11.6	7.6	7.7	9.2	8.9	10.1	NA	11.2	13.3	14.3	12.6	16.0	14.2
Marijuana	4.2	6.8	5.7	NA	6.7	NA	8.3	NA	9.6	NA	7.5	NA	8.3	6.7	8.7	7.1	9.1	8.5

Ever Used <sup>9</sup>	2021		2019		2017		2015		2013		2011		2009		2007		2005	
	U.S.	MO	U.S.	MO	U.S.	MO	U.S.	MO	U.S.	MO	U.S.	MO	U.S.	MO	U.S.	MO	U.S.	MO
Alcohol	NA	NA	NA	NA	58.0	NA	60.8	NA	64.0	NA	69.2	NA	71.1	68.3	74.7	74.1	74.4	70.6
Cigarettes	16.4	NA	21.6	NA	26.1	27.7	29.1	32.5	39.0	35.0	41.0	NA	44.0	44.1	48.8	45.9	52.5	51.2
Marijuana	24.0	NA	34.3	31.1	33.3	NA	35.5	NA	39.1	NA	36.4	NA	35.5	31.4	36.9	32.5	37.4	34.2
Synthetic Marijuana	6.4	NA	7.2	NA	7.2	NA	8.8	NA										
Electronic Vapor Product	34.6	38.9	48.3	47.5	41.0	34.5	43.3	30.8										
Inhalant	8.7	NA	7.0	NA	5.7	NA	7.5	NA	7.9	NA	11.8	NA	12.5	11.1	14.6	11.0	13.2	13.1
Hallucinogen	4.6	NA	5.6	NA	5.4	NA	6.2	NA	6.6	NA	7.7	NA	7.4	NA	8.0	NA	8.9	NA
Ecstasy	2.4	3.3	3.0	NA	2.9	NA	4.9	NA	5.5	NA	7.7	NA	5.2	6.2	5.3	5.1	6.0	5.2
Cocaine	1.9	2.3	3.3	3.0	3.9	NA	5.1	NA	4.0	NA	6.5	NA	5.6	4.7	7.2	4.6	7.2	7.2
Methamphetamine	1.5	1.3	1.7	4.7	2.3	NA	3.3	NA	3.0	NA	3.7	NA	3.7	3.3	4.1	2.3	5.9	4.9
Heroin	1.4	0.9	1.8	3.4	1.4	3.7	2.4	NA	2.0	NA	2.8	NA	2.2	2.5	1.8	1.8	2.5	2.0
Prescription Pain Medicine <sup>10</sup>	11.6	15.8	13.8	16.6	12.8	13.7												
Steroid	NA	NA	1.6	NA	2.9	NA	3.9	NA	3.2	NA	3.2	NA	3.4	2.6	3.7	2.8	3.9	4.1
Injection Drug Use	1.1	1.8	1.5	NA	1.3	NA	1.6	NA	1.7	NA	2.3	NA	2.0	2.6	1.4	1.8	2.3	1.4
Illicit Drugs at School <sup>11</sup>	14.4	13.0	23.7	NA	20.3	NA	21.9	NA	23.2	NA	27.8	NA	23.7	17.6	25.3	18.1	27.5	21.2

**Footnotes:**

NA Data not available.

- 1 Use of the substance on all 30 days during the 30 days prior to the survey.
- 2 Use of the substance on at least 1 day during the 30 days prior to the survey
- 3 Binge alcohol use in the YRBS is defined as males consuming 5 or more drinks in a row and females consuming 4 or more drinks in a row within a couple of hours on at least one day during the past 30 days.
- 4 Use of cigarettes on 20 or more days during the 30 days prior to the survey.
- 5 Percentages are among the current smokers.
- 6 Does not include electronic vapor products.
- 7 Use of smokeless tobacco products on 20 or more days during the 30 days prior to the survey.
- 8 Used electronic vapor product on 20 or more days during the 30 days prior to the survey.
- 9 Use of the substance at least once in lifetime.
- 10 Prescription pain medicine without a doctor's prescription or differently than how doctor instructed to use it.
- 11 Student was offered, sold, or given an illegal drug on school property.

Values shown are weighted estimates based on sampling. Apparent differences in values may not be statistically significant.

Data Source: U.S. Department of Health and Human Services, Centers for Disease Control and Prevention. High School Youth Risk Behavior Survey.

**YOUTH RISK BEHAVIOR SURVEY: U.S. AND MISSOURI STUDENTS IN GRADE 11**

Daily Use <sup>1</sup>	2021		2019		2017		2015		2013		2011		2009		2007		2005		2003	
	U.S.	MO	U.S.	MO	U.S.	MO	U.S.	MO	U.S.	MO	U.S.	MO	U.S.	MO	U.S.	MO	U.S.	MO	U.S.	MO
Cigarettes	0.6	0.7	1.0	1.4	2.2	1.3	1.9	3.4	5.1	4.8	5.6	NA	6.1	5.9	6.9	11.3	8.0	12.8	8.9	13.2
Smokeless Tobacco	0.7	0.8	NA	NA	1.5	2.3														
Electronic Vapor Product	6.0	8.6	8.3	8.6	2.7	2.3	1.8	2.6												

Current Use <sup>2</sup>	2021		2019		2017		2015		2013		2011		2009		2007		2005		2003	
	U.S.	MO	U.S.	MO	U.S.	MO	U.S.	MO	U.S.	MO	U.S.	MO	U.S.	MO	U.S.	MO	U.S.	MO	U.S.	MO
Alcohol	26.0	26.3	32.3	32.7	34.4	37.7	38.0	35.3	39.2	39.5	42.7	NA	45.7	48.4	49.0	46.7	46.0	44.3	47.0	50.9
Binge Drinking <sup>3</sup>	13.0	16.2	15.3	18.2	15.4	23.8	22.1	20.2	24.6	29.0	25.2	NA	28.3	32.1	29.9	33.0	27.6	29.0	31.8	32.0
Cigarettes	4.1	6.4	5.9	8.2	9.5	10.3	13.1	10.7	21.1	15.9	19.3	NA	22.3	22.8	21.6	30.6	24.3	24.3	23.6	28.2
Frequent Cigarette use <sup>4</sup>	0.8	1.7	1.1	1.4	2.8	2.5	3.2	4.3	7.6	5.9	7.7	NA	8.3	7.6	10.1	15.5	10.3	16.0	11.2	18.0
More than 10 Cigarettes per Day	10.9	NA	7.3	NA	5.1	NA	3.4	NA	6.7	NA	8.2	NA	8.1	NA	9.0	8.9	13.1	23.5	13.9	13.8
Smokeless Tobacco <sup>6</sup>	2.7	3.3	3.9	6.5	5.7	6.3	9.3	10.7	10.5	8.1	8.6	NA	10.7	10.4	7.6	8.4	8.4	9.1	7.8	4.8
Marijuana	18.7	22.2	24.9	17.3	22.6	27.2	24.8	17.5	25.5	21.9	25.5	NA	23.2	27.6	21.4	26.6	21.0	23.2	24.1	23.0
Electronic Vapor Product	19.3	25.3	35.9	30.2	14.1	13.7	25.9	22.7												
Frequent EVP use <sup>8</sup>	8.5	12.9	12.5	13.2	3.7	2.8	3.0	3.1												

Use Before Age 13	2021		2019		2017		2015		2013		2011		2009		2007		2005		2003	
	U.S.	MO	U.S.	MO	U.S.	MO	U.S.	MO	U.S.	MO	U.S.	MO	U.S.	MO	U.S.	MO	U.S.	MO	U.S.	MO
Alcohol	14.0	16.0	13.3	15.8	14.9	21.6	15.2	14.7	17.2	16.1	17.6	NA	17.9	18.2	19.6	17.8	20.5	23.8	23.0	20.3
Cigarettes	5.6	NA	6.8	8.2	9.5	8.1	5.6	6.7	10.9	8.6	9.8	NA	10.3	8.3	12.0	14.3	14.4	16.6	16.0	17.4
Marijuana	5.0	5.4	6.0	NA	6.6	NA	6.7	NA	8.6	NA	7.6	NA	6.5	7.1	7.2	8.9	7.1	9.5	8.1	7.1

Ever Used <sup>9</sup>	2021		2019		2017		2015		2013		2011		2009		2007		2005		2003	
	U.S.	MO	U.S.	MO	U.S.	MO	U.S.	MO	U.S.	MO	U.S.	MO	U.S.	MO	U.S.	MO	U.S.	MO	U.S.	MO
Alcohol	NA	NA	NA	NA	66.4	NA	70.3	NA	71.2	NA	75.3	NA	77.8	76.8	79.4	77.7	76.3	75.7	78.6	81.0
Cigarettes	18.3	NA	25.4	NA	33.1	32.4	37.5	36.5	47.0	41.2	47.1	NA	50.0	52.9	53.4	57.4	57.5	53.4	60.0	66.6
Marijuana	33.1	NA	41.1	37.6	41.4	NA	45.2	NA	46.4	NA	45.5	NA	42.0	42.6	42.4	47.0	42.3	41.0	44.5	43.9
Synthetic Marijuana	6.7	NA	8.5	NA	6.8	NA	10.0	NA												
Electronic Vapor Product	39.7	47.4	53.0	59.0	48.0	47.4	49.5	40.8												
Inhalant	8.0	NA	7.0	NA	6.4	NA	5.9	NA	9.9	NA	11.1	NA	11.5	9.3	12.5	10.4	11.4	10.8	11.0	10.5
Hallucinogen	7.6	NA	8.2	NA	8.0	NA	6.7	NA	8.7	NA	9.4	NA	8.9	NA	8.1	NA	9.5	NA	12.7	NA
Ecstasy	3.0	5.4	3.6	NA	4.4	NA	5.7	NA	8.5	NA	9.2	NA	8.7	7.5	5.6	8.2	6.5	7.3	11.4	7.2
Cocaine	2.4	5.0	4.0	5.2	5.4	NA	5.0	NA	6.8	NA	7.5	NA	7.7	6.8	7.7	8.2	8.7	8.8	9.0	7.1
Methamphetamine	1.9	1.8	2.5	5.2	2.4	NA	2.8	NA	3.9	NA	4.1	NA	5.2	4.9	5.4	4.6	6.7	8.4	8.0	6.6
Heroin	1.3	1.5	1.8	2.9	1.6	2.6	1.9	NA	2.4	NA	2.8	NA	3.2	3.6	1.8	2.5	1.8	3.0	3.0	0.9
Prescription Pain Medicine <sup>10</sup>	12.0	16.6	15.9	24.5	15.4	16.5														
Steroid	NA	NA	2.2	NA	2.8	NA	2.7	NA	3.1	NA	3.7	NA	3.4	3.7	3.1	2.5	3.7	3.6	5.6	3.1
Injection Drug Use	1.3	3.2	1.4	NA	1.1	NA	1.6	NA	1.6	NA	2.4	NA	2.5	2.0	1.9	2.3	1.7	2.9	2.8	0.9
Illicit Drugs at School <sup>11</sup>	15.7	15.6	22.0	NA	20.0	NA	22.7	NA	23.2	NA	27.0	NA	24.3	17.9	22.8	21.3	24.9	18.4	29.9	19.6

**Footnotes:**

NA Data not available.

- Use of the substance on all 30 days during the 30 days prior to the survey.
- Use of the substance on at least 1 day during the 30 days prior to the survey
- Binge alcohol use in the YRBS is defined as males consuming 5 or more drinks in a row and females consuming 4 or more drinks in a row within a couple of hours on at least one day during the past 30 days.
- Use of cigarettes on 20 or more days during the 30 days prior to the survey.
- Percentages are among the current smokers.
- Does not include electronic vapor products.
- Use of smokeless tobacco products on 20 or more days during the 30 days prior to the survey.
- Used electronic vapor product on 20 or more days during the 30 days prior to the survey.
- Use of the substance at least once in lifetime.
- Prescription pain medicine without a doctor's prescription or differently than how doctor instructed to use it.
- Student was offered, sold, or given an illegal drug on school property.

Values shown are weighted estimates based on sampling. Apparent differences in values may not be statistically significant.

Data Source: U.S. Department of Health and Human Services, Centers for Disease Control and Prevention. High School Youth Risk Behavior Survey.

**YOUTH RISK BEHAVIOR SURVEY: U.S. AND MISSOURI STUDENTS IN GRADE 12**

Daily Use <sup>1</sup>	2021		2019		2017		2015		2013		2011		2009		2007		2005		2003	
	U.S.	MO	U.S.	MO	U.S.	MO	U.S.	MO	U.S.	MO	U.S.	MO	U.S.	MO	U.S.	MO	U.S.	MO	U.S.	MO
Cigarettes	0.9	1.5	1.7	1.8	3.5	5.2	3.4	5.8	6.1	6.8	8.2	NA	8.4	9.1	9.9	10.2	10.1	10.5	10.0	8.5
Smokeless Tobacco	0.7	2.2	NA	NA	2.6	2.2														
Electronic Vapor Product	8.4	10.4	12.0	9.8	4.0	3.6	2.2	1.2												

Current Use <sup>2</sup>	2021		2019		2017		2015		2013		2011		2009		2007		2005		2003	
	U.S.	MO	U.S.	MO	U.S.	MO	U.S.	MO	U.S.	MO	U.S.	MO	U.S.	MO	U.S.	MO	U.S.	MO	U.S.	MO
Alcohol	32.2	36.8	39.9	37.7	40.8	41.9	42.4	48.6	46.8	39.6	48.4	NA	51.7	45.8	54.9	48.6	50.8	48.8	55.9	57.3
Binge Drinking <sup>3</sup>	17.4	21.8	22.4	19.6	20.9	22.6	24.6	32.6	29.2	25.4	31.5	NA	33.5	32.7	36.5	35.3	32.8	32.4	37.2	38.9
Cigarettes	5.2	7.5	9.0	7.5	13.4	15.4	14.1	16.8	19.2	22.9	25.1	NA	25.2	26.7	26.5	25.4	27.6	26.5	26.2	21.4
Frequent Cigarette use <sup>4</sup>	1.0	2.1	2.1	2.6	4.7	6.4	5.1	8.7	8.4	9.8	10.8	NA	11.2	11.2	12.2	12.5	13.2	13.2	13.1	10.9
More than 10 Cigarettes per Day	9.5	NA	7.1	NA	11.6	NA	9.1	NA	10.0	NA	8.7	NA	8.5	NA	13.6	NA	13.2	NA	17.9	NA
Smokeless Tobacco <sup>6</sup>	2.8	6.3	5.5	7.4	7.2	9.1	7.5	11.4	9.4	12.8	8.8	NA	10.0	10.5	8.9	10.5	8.4	7.0	7.1	4.1
Marijuana	22.4	17.5	28.3	20.5	25.7	25.7	27.6	22.1	27.7	26.4	28.0	NA	24.6	25.0	25.1	21.2	22.8	15.5	25.8	25.4
Electronic Vapor Product	24.0	24.6	40.4	22.6	18.3	14.0	28.2	30.1												
Frequent EVP use <sup>8</sup>	12.1	15.7	16.8	13.5	5.0	3.9	3.2	4.0												

Use Before Age 13	2021		2019		2017		2015		2013		2011		2009		2007		2005		2003	
	U.S.	MO	U.S.	MO	U.S.	MO	U.S.	MO	U.S.	MO	U.S.	MO	U.S.	MO	U.S.	MO	U.S.	MO	U.S.	MO
Alcohol	10.8	10.6	11.9	15.4	12.7	15.5	13.5	13.0	14.7	14.5	15.1	NA	14.2	15.3	18.0	11.8	19.3	14.4	20.3	14.0
Cigarettes	5.0	NA	7.8	10.2	9.5	6.3	5.2	7.0	7.3	7.4	8.2	NA	8.6	9.7	13.3	10.1	13.9	12.3	16.5	11.3
Marijuana	4.9	3.0	4.4	NA	6.5	NA	6.1	NA	6.2	NA	7.0	NA	5.2	6.7	6.6	5.5	6.2	5.2	7.8	6.4

Ever Used <sup>9</sup>	2021		2019		2017		2015		2013		2011		2009		2007		2005		2003	
	U.S.	MO	U.S.	MO	U.S.	MO	U.S.	MO	U.S.	MO	U.S.	MO	U.S.	MO	U.S.	MO	U.S.	MO	U.S.	MO
Alcohol	NA	NA	NA	NA	71.7	NA	73.3	NA	75.6	NA	79.0	NA	79.7	77.5	82.8	75.9	81.7	79.2	83.0	81.9
Cigarettes	22.7	NA	32.0	NA	37.1	33.2	38.3	45.6	48.1	50.2	54.5	NA	55.5	57.9	59.3	53.7	60.3	54.3	65.4	66.9
Marijuana	39.3	NA	48.7	39.1	45.8	NA	49.8	NA	48.6	NA	48.9	NA	45.6	46.9	49.1	41.6	47.6	45.0	48.5	48.3
Synthetic Marijuana	7.6	NA	8.2	NA	7.6	NA	11.0	NA												
Electronic Vapor Product	45.6	47.6	60.1	51.4	48.6	50.1	50.9	57.5												
Inhalant	6.8	NA	5.1	NA	4.9	NA	6.0	NA	7.6	NA	9.3	NA	9.1	9.1	10.2	10.1	10.1	11.3	11.8	6.2
Hallucinogen	10.5	NA	10.5	NA	9.2	NA	8.0	NA	8.8	NA	11.5	NA	10.0	NA	10.4	NA	8.6	NA	11.4	NA
Ecstasy	4.1	1.9	5.0	NA	6.0	NA	6.1	NA	8.6	NA	11.3	NA	8.0	8.4	7.6	8.2	6.7	8.5	12.8	9.7
Cocaine	3.4	0.0	6.0	7.5	7.0	NA	7.2	NA	7.1	NA	8.5	NA	7.9	6.8	9.5	9.4	8.9	11.1	10.5	7.0
Methamphetamine	1.9	0.0	2.6	6.4	3.2	NA	3.8	NA	3.3	NA	4.1	NA	4.1	4.3	4.5	4.7	6.4	9.7	8.0	5.0
Heroin	1.4	0.0	1.7	2.5	2.2	7.1	1.9	NA	2.1	NA	2.7	NA	2.5	4.2	2.6	2.1	2.0	3.2	2.9	1.0
Prescription Pain Medicine <sup>10</sup>	11.6	15.0	13.9	29.8	17.0	16.9														
Steroid	NA	NA	1.7	NA	3.0	NA	3.3	NA	3.1	NA	2.8	NA	3.1	3.7	3.8	2.8	3.3	3.8	4.9	3.5
Injection Drug Use	2.0	0.0	1.7	NA	1.9	NA	2.1	NA	1.9	NA	2.2	NA	1.8	3.6	2.4	1.7	1.7	2.7	3.0	0.5
Illicit Drugs at School <sup>11</sup>	14.0	9.2	19.6	NA	19.6	NA	20.3	NA	18.8	NA	23.8	NA	20.6	16.0	19.6	14.8	24.9	15.7	24.9	21.3

**Footnotes:**

NA Data not available.

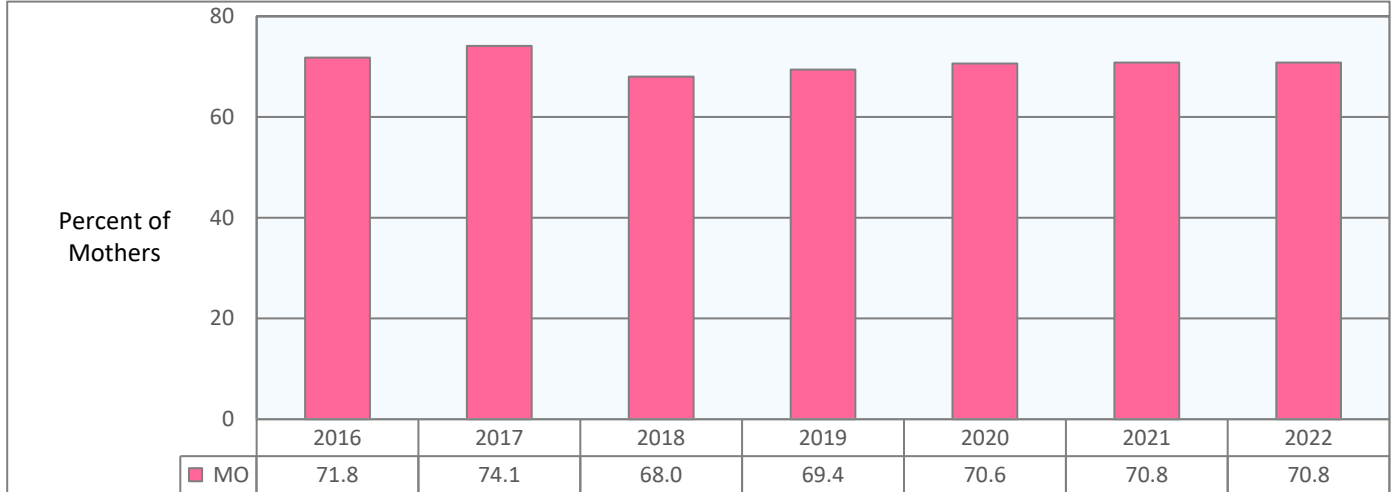
- Use of the substance on all 30 days during the 30 days prior to the survey.
- Use of the substance on at least 1 day during the 30 days prior to the survey
- Binge alcohol use in the YRBS is defined as males consuming 5 or more drinks in a row and females consuming 4 or more drinks in a row within a couple of hours on at least one day during the past 30 days.
- Use of cigarettes on 20 or more days during the 30 days prior to the survey.
- Percentages are among the current smokers.
- Does not include electronic vapor products.
- Use of smokeless tobacco products on 20 or more days during the 30 days prior to the survey.
- Used electronic vapor product on 20 or more days during the 30 days prior to the survey.
- Use of the substance at least once in lifetime.
- Prescription pain medicine without a doctor's prescription or differently than how doctor instructed to use it.
- Student was offered, sold, or given an illegal drug on school property.

Values shown are weighted estimates based on sampling. Apparent differences in values may not be statistically significant.

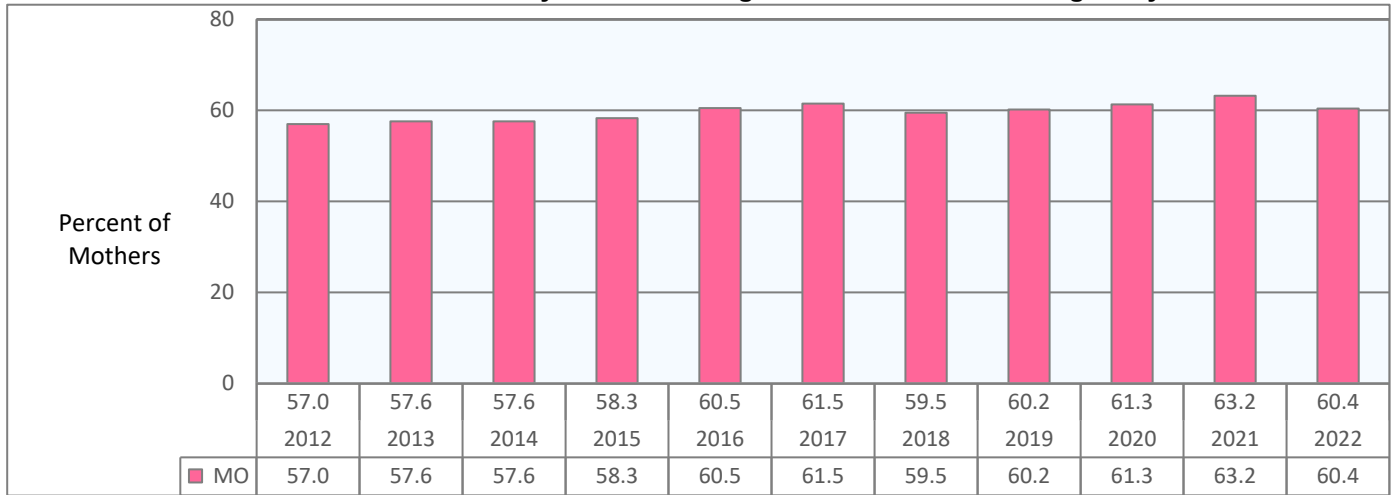
Data Source: U.S. Department of Health and Human Services, Centers for Disease Control and Prevention. High School Youth Risk Behavior Survey.

## ALCOHOL USE DURING PREGNANCY

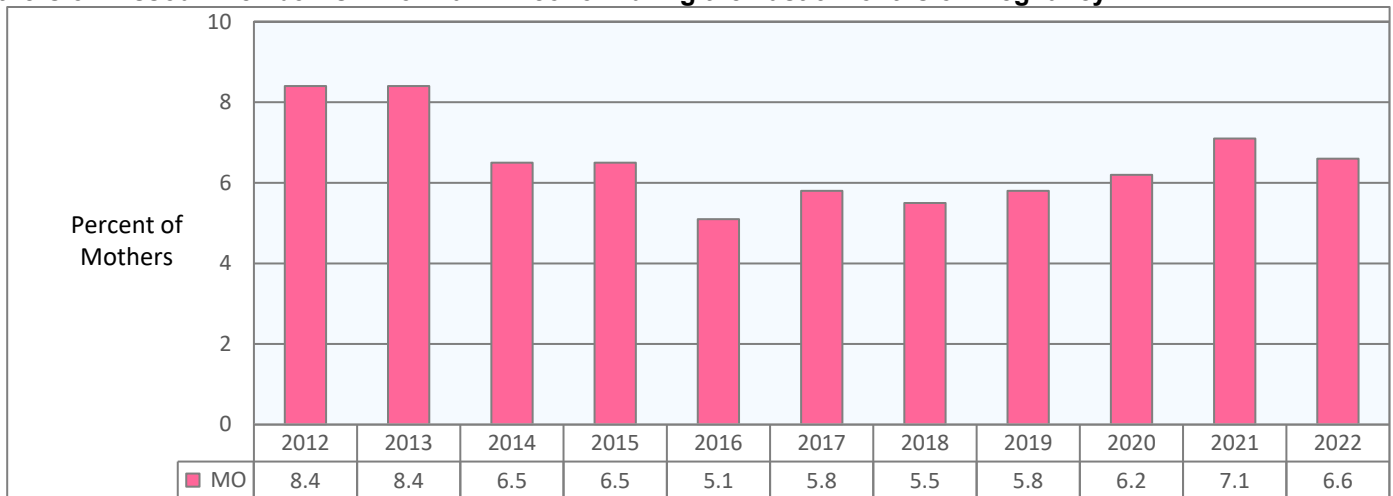
**Mothers of Missouri Newborns Who Drank Any Alcohol in the Last 2 Years**



**Mothers of Missouri Newborns Who Drank Any Alcohol During the 3 Months Before Pregnancy**



**Mothers of Missouri Newborns Who Drank Alcohol During the Last 3 Months of Pregnancy**



Data Sources: Missouri Department of Health and Senior Services, Bureau of Epidemiology and Vital Statistics.

U.S. Department of Health and Human Services, Centers for Disease Control and Prevention: Pregnancy Risk Assessment Monitoring System.

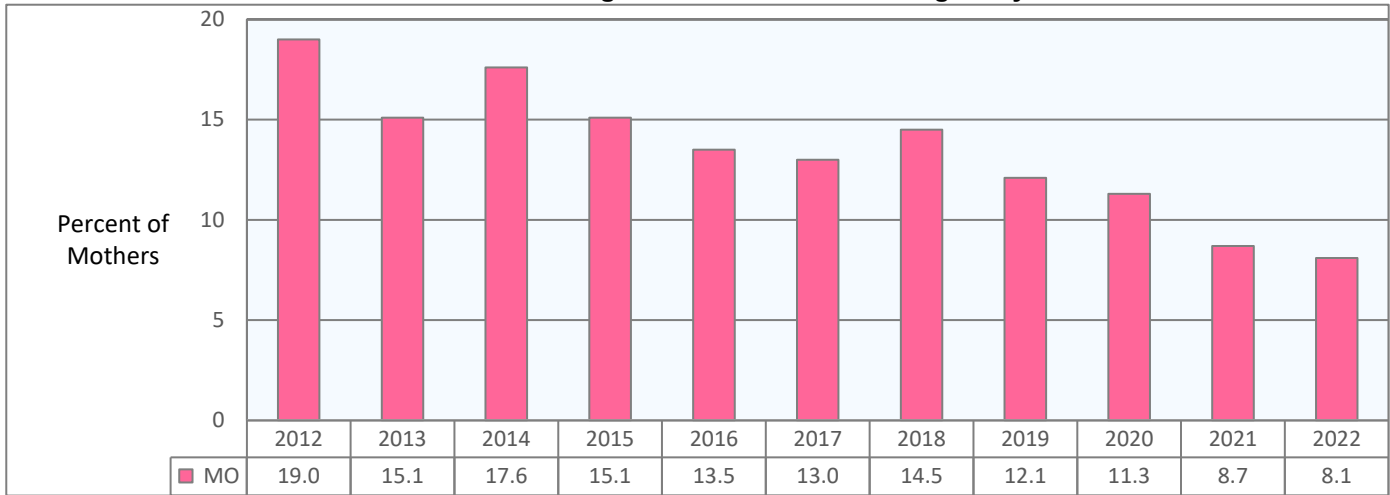


## TOBACCO SMOKING DURING PREGNANCY

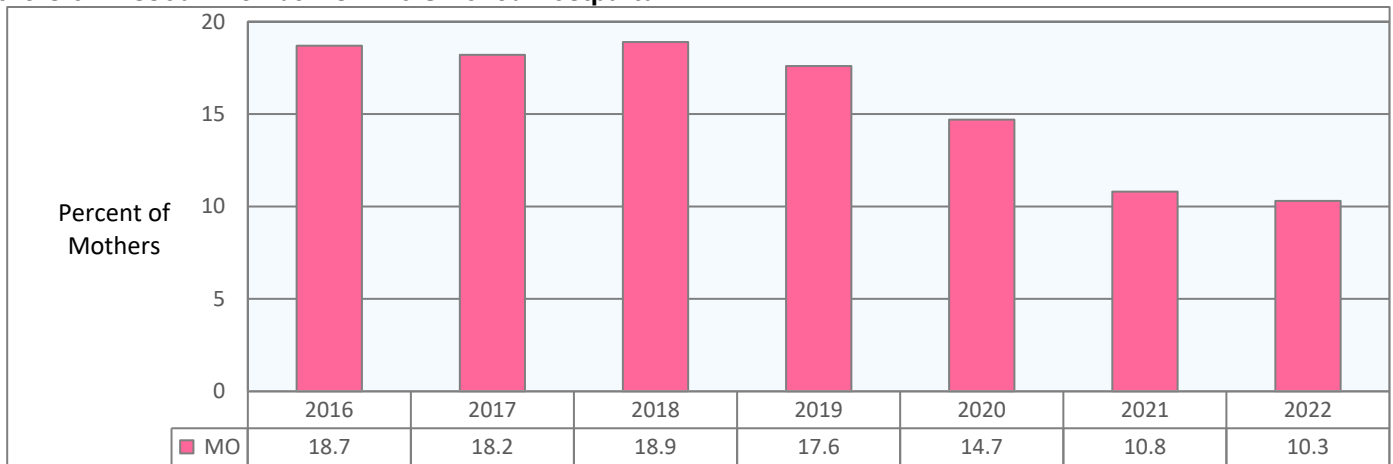
### Mothers of Missouri Newborns Who Smoked During the 3 Months Before Pregnancy



### Mothers of Missouri Newborns Who Smoked During the Last 3 Months of Pregnancy



### Mothers of Missouri Newborns Who Smoked Postpartum

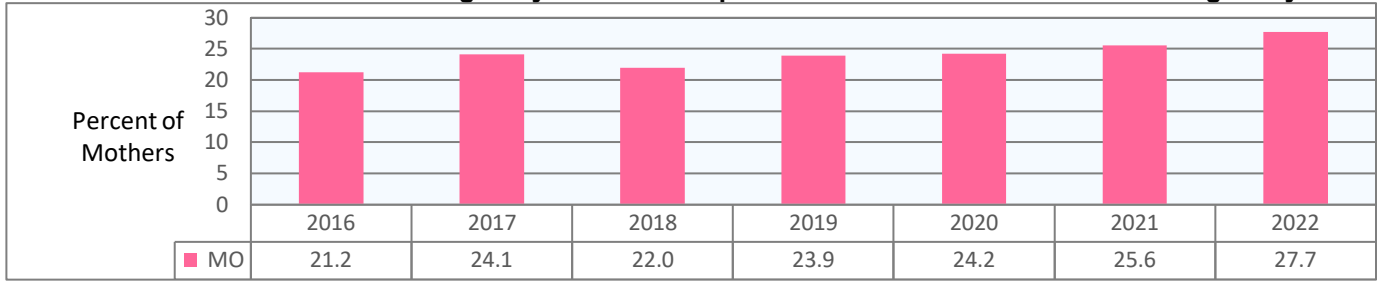


Data Sources: Missouri Department of Health and Senior Services, Bureau of Epidemiology and Vital Statistics.

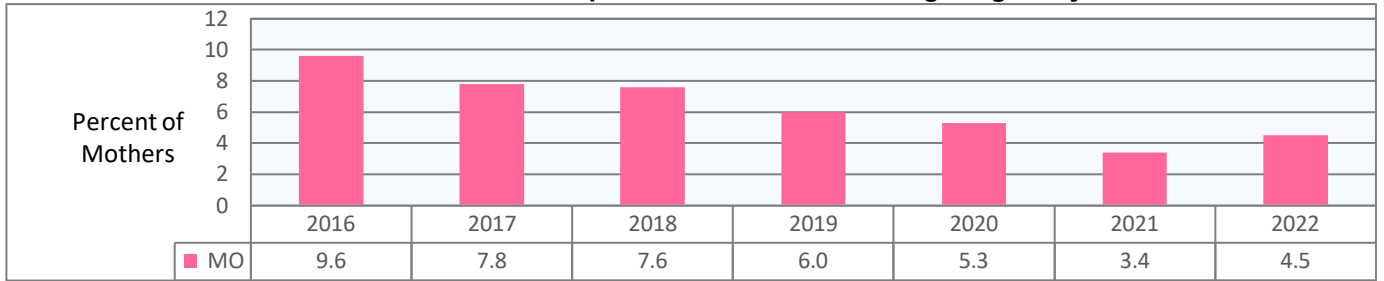
U.S. Department of Health and Human Services, Centers for Disease Control and Prevention: Pregnancy Risk Assessment Monitoring System.

## SUBSTANCE USE DURING PREGNANCY

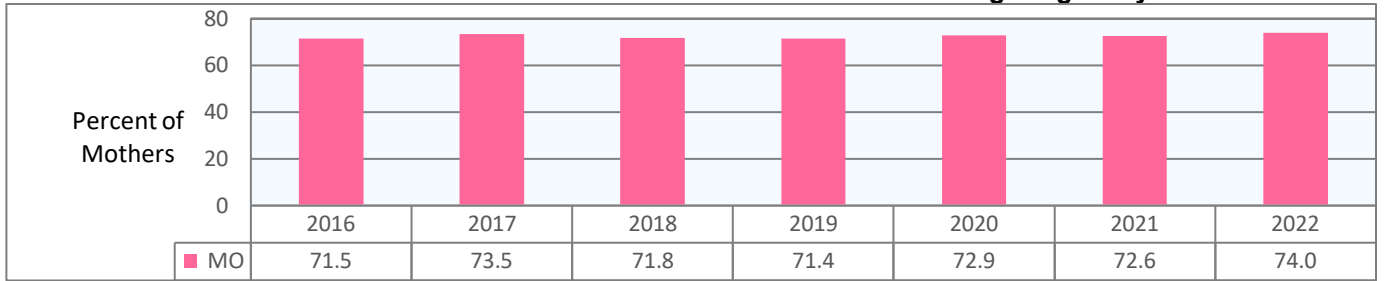
### Mothers of Missouri Newborns Who Regularly Used Prescription Medicines 12 Months Before Pregnancy



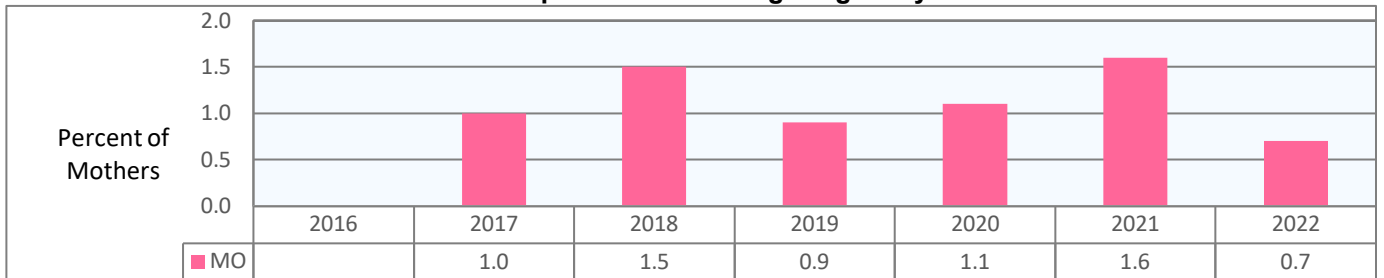
### Mothers of Missouri Newborns Who Used Prescription Pain Relievers During Pregnancy



### Mothers of Missouri Newborns Who Used Over-the-Counter Pain Relievers During Pregnancy

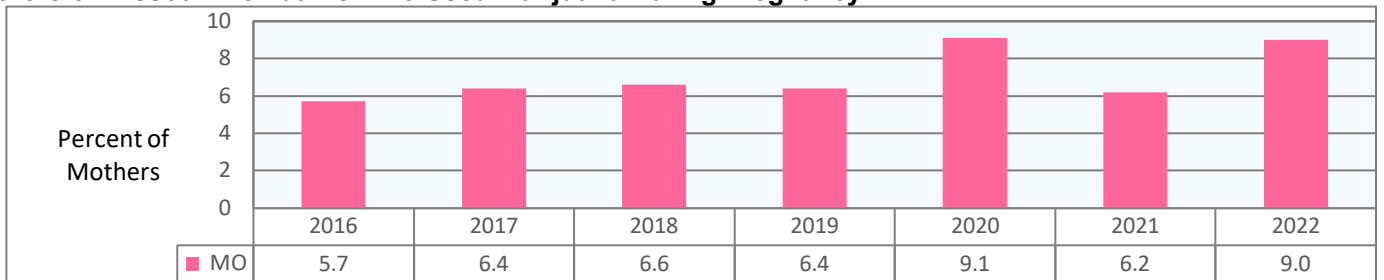


### Mothers of Missouri Newborns Who Used Amphetamines During Pregnancy



Blank cells in data table indicate data are suppressed due to low number of respondents.

### Mothers of Missouri Newborns Who Used Marijuana During Pregnancy

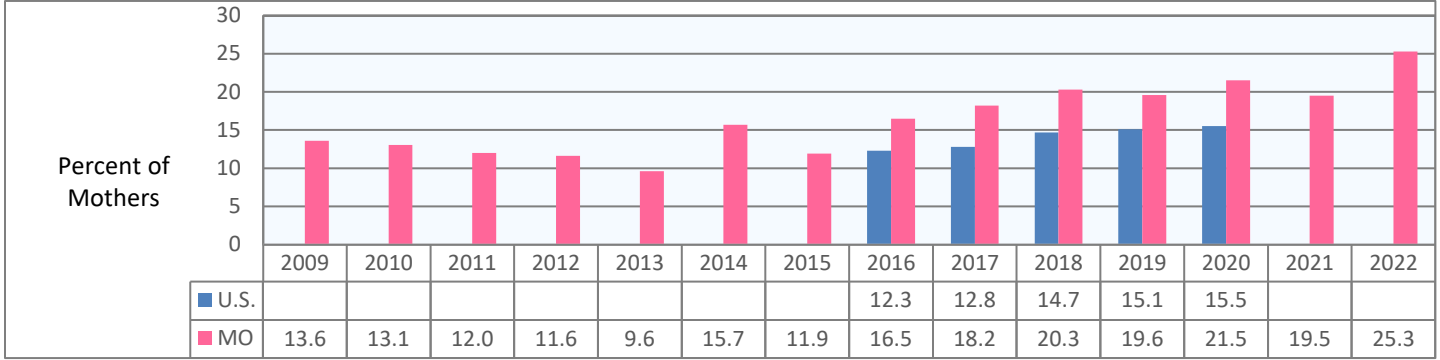


Data Sources: Missouri Department of Health and Senior Services, Bureau of Epidemiology and Vital Statistics.

U.S. Department of Health and Human Services, Centers for Disease Control and Prevention: Pregnancy Risk Assessment Monitoring System.

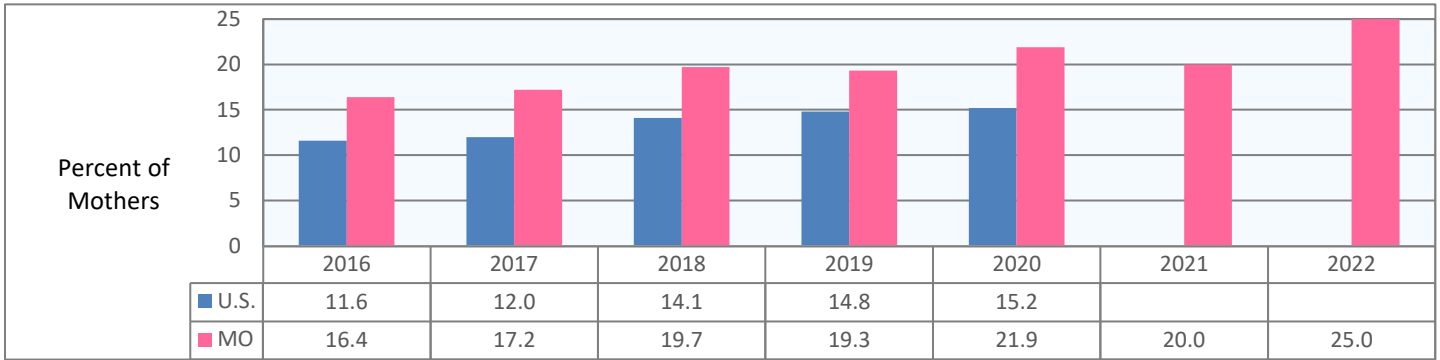
## DEPRESSION IN MOTHERS OF NEWBORNS

### Mothers of Newborns who Reported Depression in the 3 Months Before Pregnancy\*

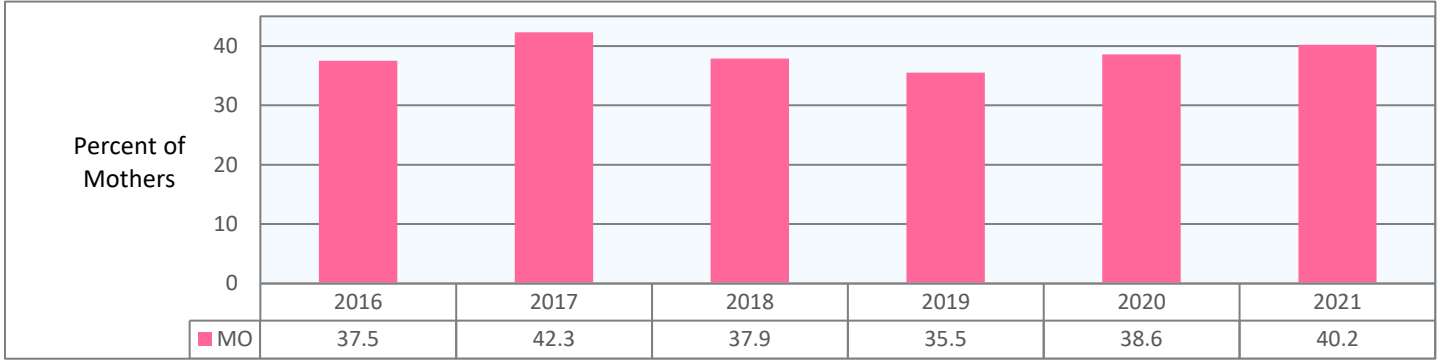


\* The 2012-2015 surveys asked the mothers if they had depression before pregnancy, but did not specify the 3-month time interval.

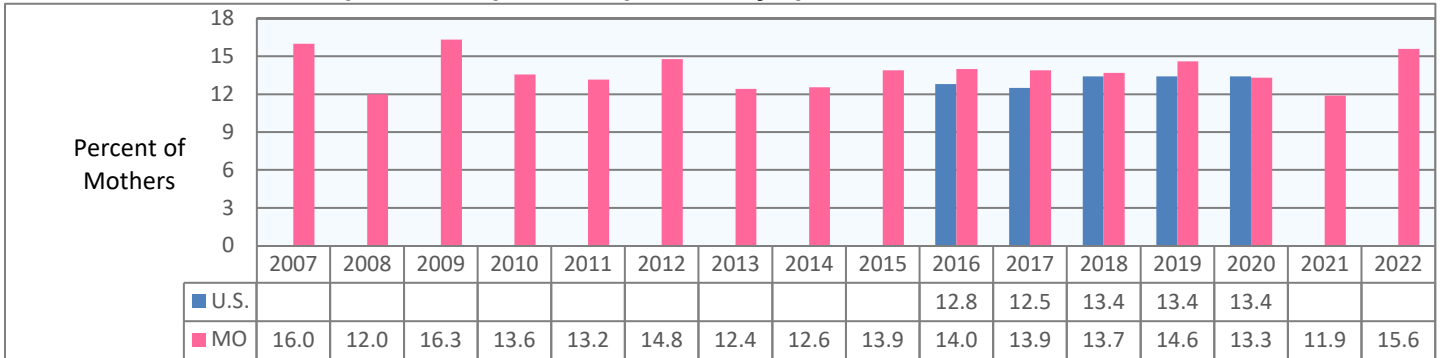
### Mothers of Newborns who Reported Depression During Pregnancy



### Mothers of Newborns who Reported Using Prescription Medication for Depression During Pregnancy



### Mothers of Newborns who Reported Postpartum Depressive Symptoms

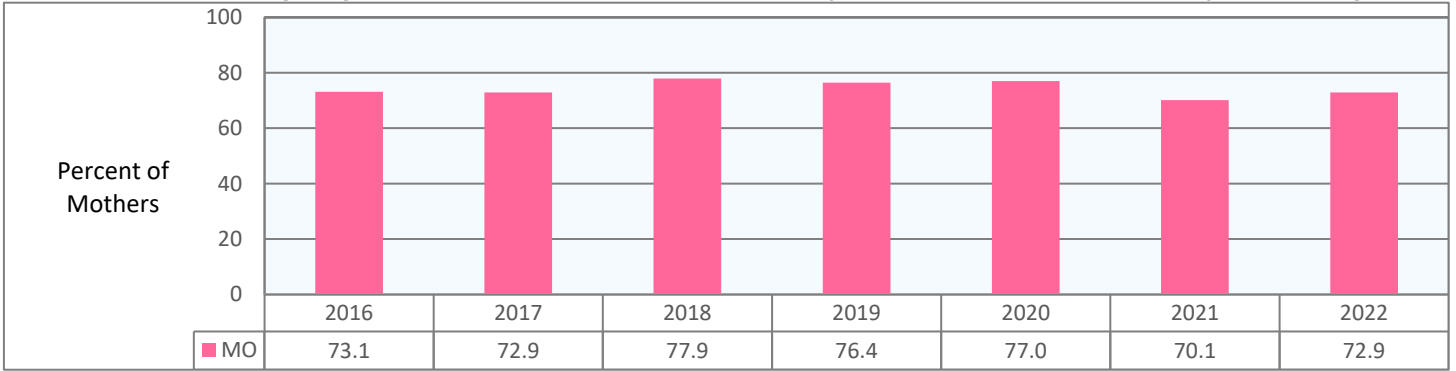


Data Sources: Missouri Department of Health and Senior Services, Bureau of Epidemiology and Vital Statistics.

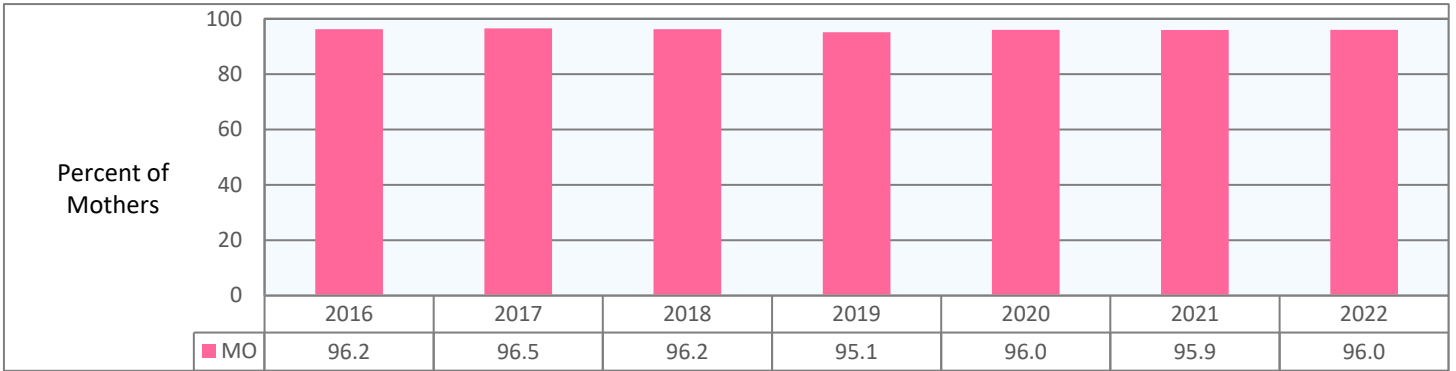
U.S. Department of Health and Human Services, Centers for Disease Control and Prevention: Pregnancy Risk Assessment Monitoring System.

## HEALTHCARE SUBSTANCE SCREENING BEFORE AND DURING PREGNANCY

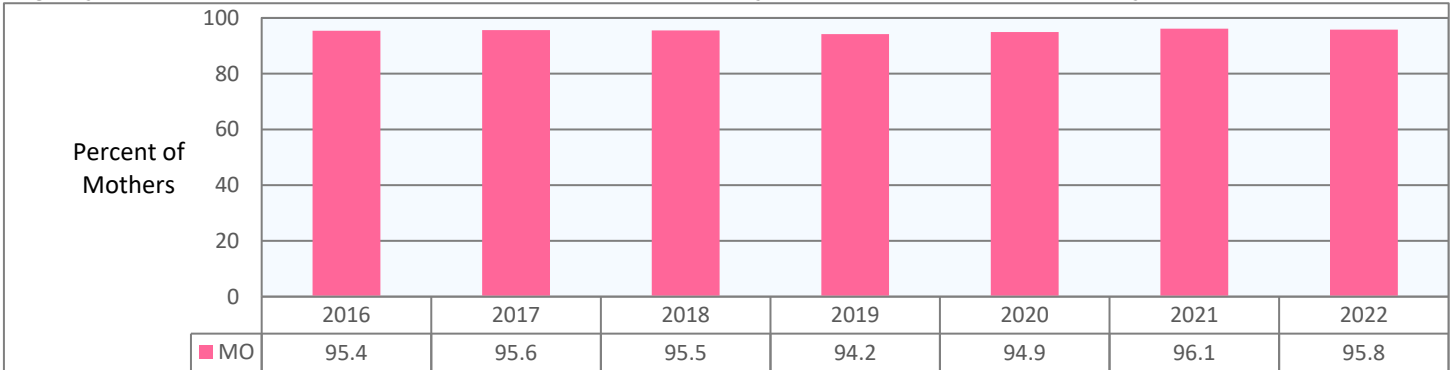
### 12 Months Before Becoming Pregnant, Mothers of Newborns Were Asked by Healthcare Professionals If They Smoked Cigarettes



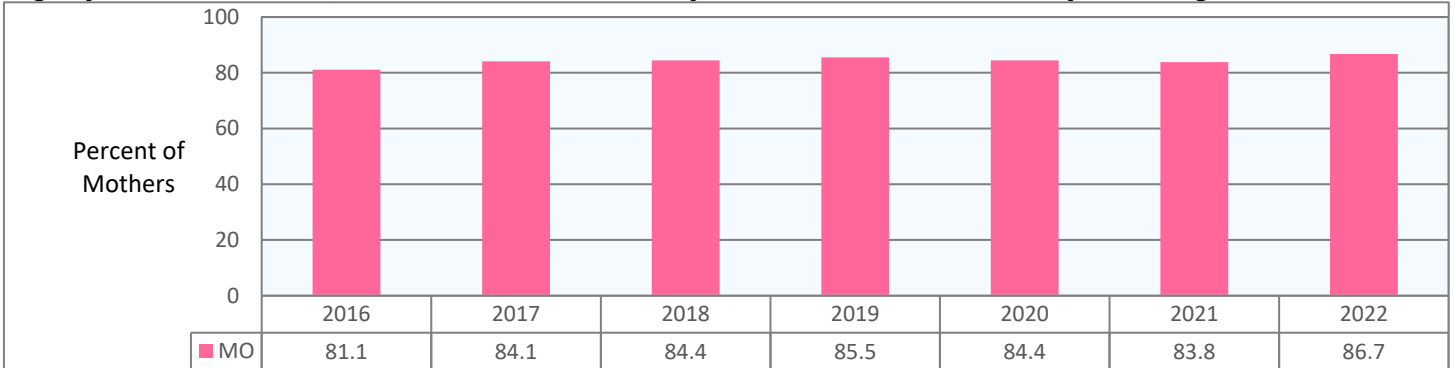
### During Any Prenatal Care Visits, Mothers of Newborns Were Asked by Healthcare Professionals if They Smoked Cigarettes



### During Any Prenatal Care Visits, Mothers of Newborns Were Asked by Healthcare Professionals if They Drank Alcohol



### During Any Prenatal Care Visits, Mothers of Newborns Asked by Healthcare Professionals if They Used Drugs\*



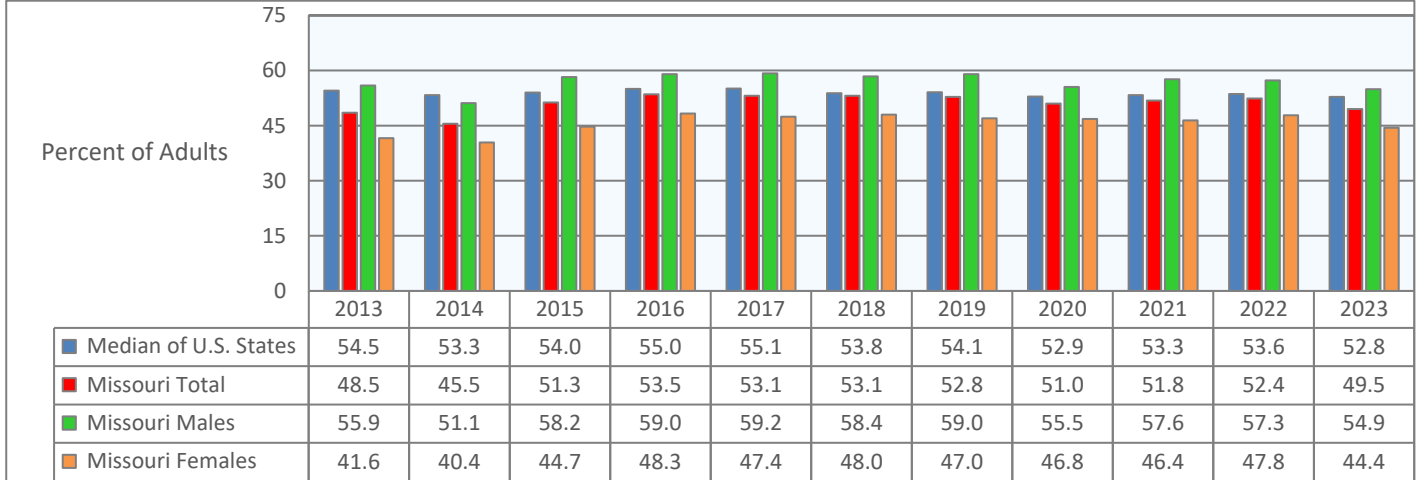
\* Drugs named in survey question were marijuana, cocaine, crack, and meth.

Data Sources: Missouri Department of Health and Senior Services, Bureau of Epidemiology and Vital Statistics.

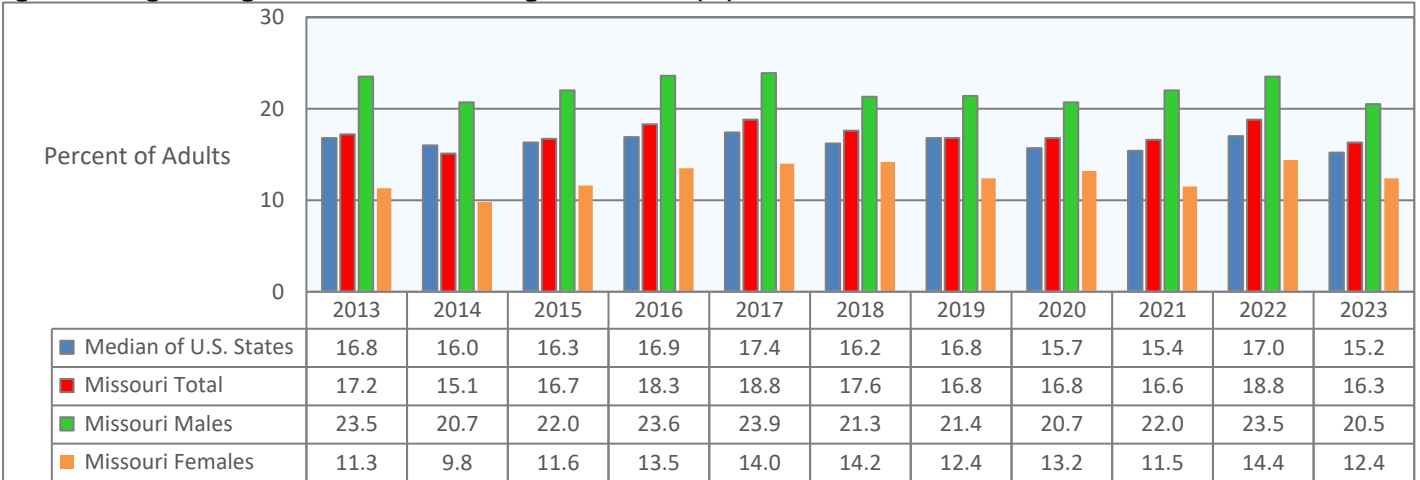
U.S. Department of Health and Human Services, Centers for Disease Control and Prevention: Pregnancy Risk Assessment Monitoring System.

## BEHAVIORAL RISK FACTOR SURVEY: ALCOHOL USE

### Alcohol Use in the Past 30 Days among Adults 18 Years of Age and Older (%)

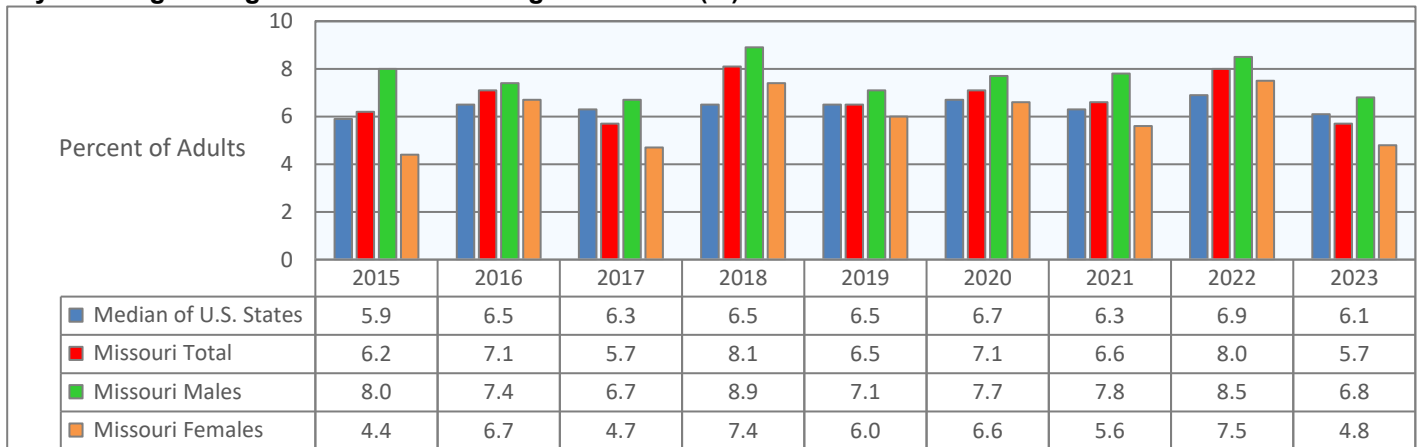


### Binge Drinking among Adults 18 Years of Age and Older (%)



Binge drinking is defined in the BRFSS as males having 5 or more drinks on one occasion and females having 4 or more drinks on one occasion.

### Heavy Drinking among Adults 18 Years of Age and Older (%)



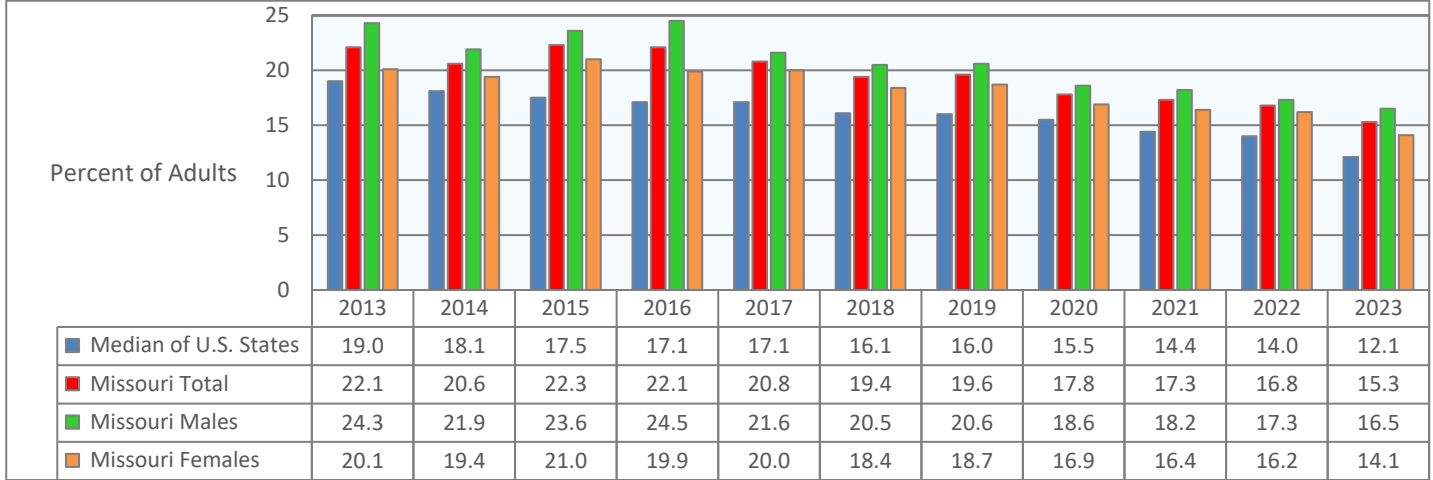
Heavy drinking in the BRFSS is defined as adult males having more than 14 drinks per week and adult females having more than 7 drinks per week.

Data Source: Behavioral Risk Factor Survey, Behavioral Risk Factor Surveillance System (BRFSS), Centers for Disease Control and Prevention, National Center for Chronic Disease Prevention and Health Promotion, Division of Population Health.

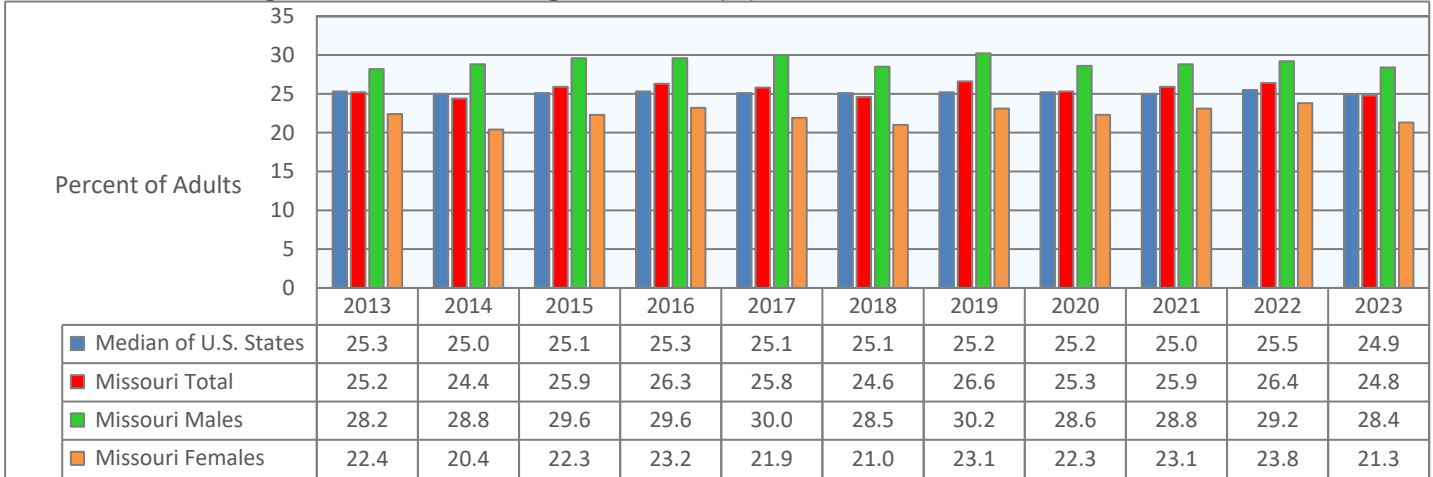
Apparent differences in rate estimates for Missouri year-to-year comparisons and Missouri/U.S. comparisons might not be statistically significant.

## BEHAVIORAL RISK FACTOR SURVEY: PREVALENCE OF TOBACCO SMOKING

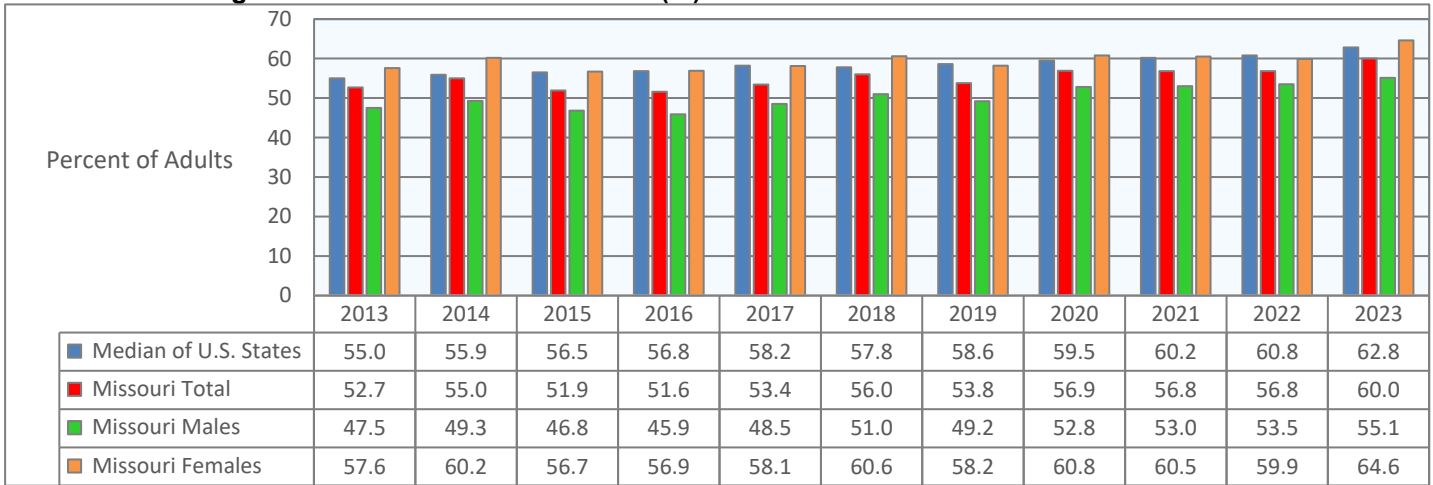
### Current Tobacco Smoking among Adults 18 Years of Age and Older (%)



### Former Smokers among Adults 18 Years of Age and Older (%)



### Adults 18 Years of Age and Older Who Never Smoked (%)

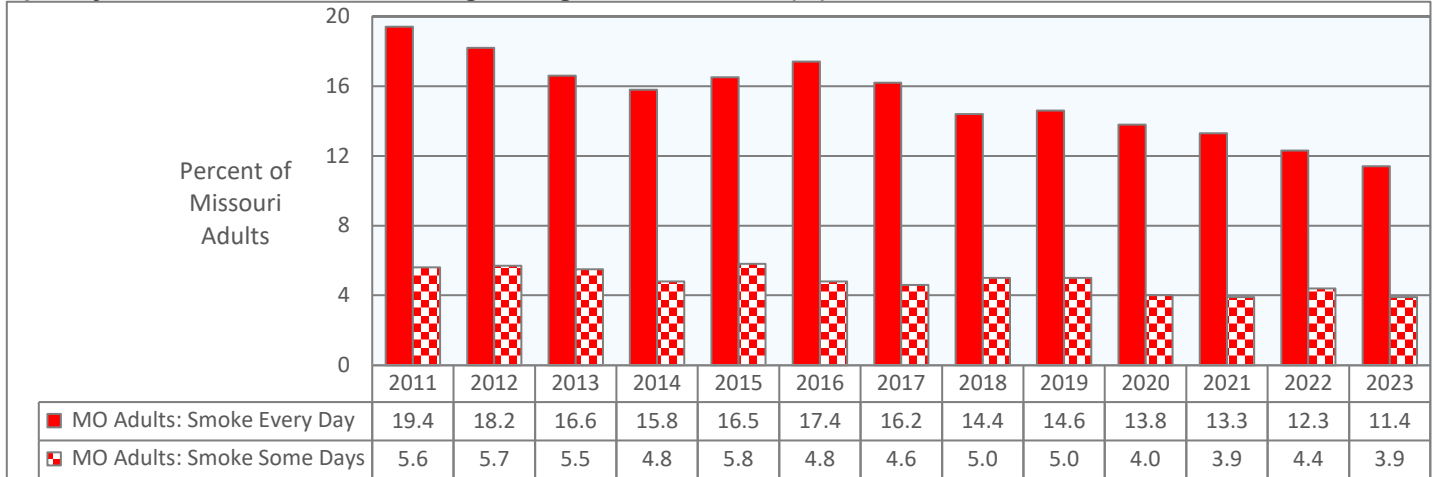


Data Source: Behavioral Risk Factor Survey, Behavioral Risk Factor Surveillance System (BRFSS), Centers for Disease Control and Prevention, National Center for Chronic Disease Prevention and Health Promotion, Division of Population Health.

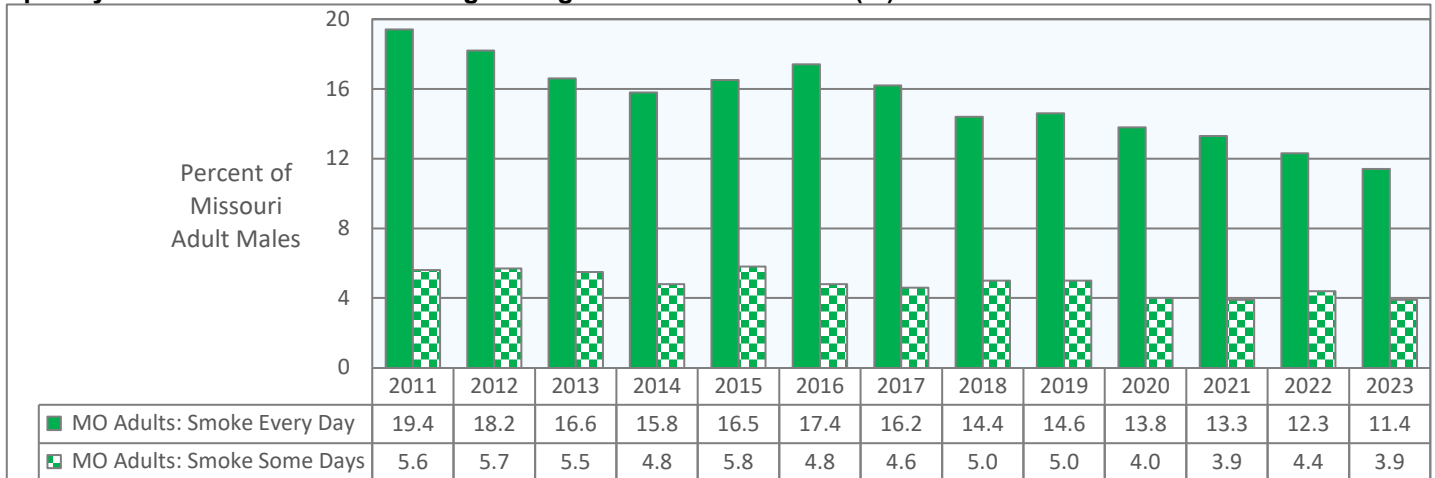
Apparent differences in rate estimates for Missouri year-to-year comparisons and Missouri/U.S. comparisons might not be statistically significant.

## BEHAVIORAL RISK FACTOR SURVEY: FREQUENCY OF TOBACCO SMOKING

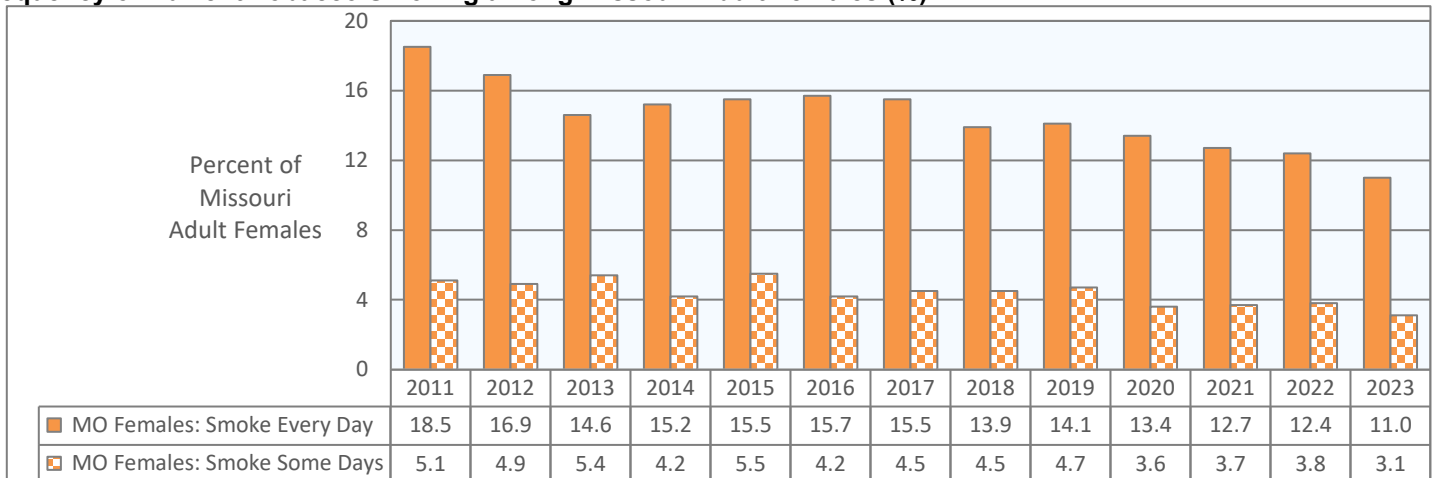
### Frequency of Current Tobacco Smoking among Missouri Adults (%)



### Frequency of Current Tobacco Smoking among Missouri Adult Males (%)



### Frequency of Current Tobacco Smoking among Missouri Adult Females (%)



Data Source: Behavioral Risk Factor Survey, Behavioral Risk Factor Surveillance System (BRFSS), Centers for Disease Control and Prevention, National Center for Chronic Disease Prevention and Health Promotion, Division of Population Health.

Apparent differences in rate estimates for Missouri year-to-year comparisons and Missouri/U.S. comparisons might not be statistically significant.

## BEHAVIORAL RISK FACTOR SURVEY: MENTAL HEALTH ISSUES

### Serious Difficulty Concentrating, Remembering, or Making Decisions among Adults 18 Years of Age and Older (%)



### Lifetime Depressive Disorder among Adults 18 Years of Age and Older (%)



Data Source: Behavioral Risk Factor Survey, Behavioral Risk Factor Surveillance System (BRFSS), Centers for Disease Control and Prevention, National Center for Chronic Disease Prevention and Health Promotion, Division of Population Health.

Apparent differences in rate estimates for Missouri year-to-year comparisons and Missouri/U.S. comparisons might not be statistically significant.



## MONITORING THE FUTURE SURVEY: U.S. STUDENTS IN GRADE 8 -- CURRENT USE

Daily Use in Past 30 Days (%)	2023	2022	2021	2020	2019	2018	2017	2016	2015	2014	2013	2012	2011	2010	2009
<b>Alcohol</b>	0.2	0.1	0.3	0.4	0.2	0.1	0.2	0.2	0.2	0.3	0.3	0.3	0.4	0.5	0.5
Been Drunk Daily	0.1	0.0	0.1	0.2	0.1	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.2	0.2
<b>Cigarettes</b>	0.4	0.3	0.4	0.8	0.8	0.8	0.6	0.9	1.3	1.4	1.8	1.9	2.4	2.9	2.7
<b>Smokeless Tobacco</b>	0.5	0.3	0.4	0.5	0.5	0.3	0.4	0.6	0.8	0.5	0.5	0.5	0.8	0.9	0.8
<b>Marijuana/Hashish</b>	0.9	0.7	0.6	1.1	1.3	0.7	0.8	0.7	1.1	1.0	1.1	1.1	1.3	1.2	1.0

Last 30-Days Use (%)	2023	2022	2021	2020	2019	2018	2017	2016	2015	2014	2013	2012	2011	2010	2009
<b>Alcohol</b>	5.9	6.0	7.3	9.9	7.9	8.2	8.0	7.3	9.7	9.0	10.2	11.0	12.7	13.8	14.9
Been Drunk (past 30 days)	1.5	1.5	2.0	3.4	2.6	2.1	2.2	1.8	3.1	2.7	3.5	3.6	4.4	5.0	5.4
Binge Alcohol Use (past 2 weeks)*	2.0	2.2	2.8	4.5	3.8	3.7	3.7	3.4	4.6	4.1	5.1	5.1	6.4	7.2	7.8
<b>Cigarettes</b>	1.1	0.8	1.1	2.2	2.3	2.2	1.9	2.6	3.6	4.0	4.5	4.9	6.1	7.1	6.5
<b>Smokeless Tobacco</b>	1.6	1.2	1.6	2.3	2.5	2.1	1.7	2.5	3.2	3.0	2.8	2.8	3.5	4.1	3.7
<b>Any Illicit Drug</b>	6.5	6.5	5.9	8.7	8.5	7.3	7.0	6.9	8.1	8.3	8.7	‡ 7.7	8.5	9.5	8.1
<b>Any Illicit Drug other than Marijuana</b>	2.6	2.5	2.4	3.5	3.4	3.0	2.7	2.7	3.1	3.3	3.6	‡ 2.6	3.4	3.5	3.5
<b>Marijuana/Hashish</b>	4.7	5.0	4.1	6.5	6.6	5.6	5.5	5.4	6.5	6.5	7.0	6.5	7.2	8.0	6.5
<b>Vaping any substance</b>	8.7	8.9	8.9	12.5	12.2	10.4	6.6	‡ 6.2	8.0						
Vaping Nicotine	7.0	7.1	7.6	10.5	9.6	6.1	3.5								
Vaping Marijuana	4.2	4.2	2.9	4.2	3.9	2.6	1.6								
<b>Inhalants</b>	2.6	1.9	1.8	2.9	2.1	1.8	2.1	1.8	2.0	2.2	2.3	2.7	3.2	3.6	3.8
<b>Hallucinogens</b>	0.5	0.5	0.4	0.9	0.6	0.6	0.5	0.6	0.6	0.5	0.8	0.6	1.0	1.0	0.9
LSD	0.3	0.2	0.2	0.6	0.4	0.4	0.3	0.4	0.4	0.3	0.5	0.3	0.5	0.6	0.5
<b>MDMA "Ecstasy"</b>	0.3	0.2	0.2	0.3	0.5	0.4	0.4	0.3	0.5	‡ 0.7	0.5	0.5	0.6	1.1	0.6
<b>Cocaine (all forms)</b>	0.3	0.3	0.1	0.1	0.3	0.3	0.4	0.3	0.5	0.5	0.5	0.5	0.8	0.6	0.8
Crack Cocaine	0.2	0.3	0.1	0.1	0.2	0.2	0.3	0.2	0.3	0.3	0.3	0.3	0.5	0.4	0.5
<b>Amphetamines</b>	1.6	1.9	1.7	2.2	2.2	1.8	1.7	1.7	1.9	2.1	2.3	‡ 1.3	1.8	1.8	1.9
Methamphetamine	0.0	0.1	0.0	0.1	0.1	0.1	0.2	0.3	0.3	0.2	0.4	0.5	0.4	0.7	0.5
<b>Heroin</b>	0.3	0.2	0.1	0.2	0.1	0.1	0.2	0.2	0.1	0.3	0.3	0.2	0.4	0.4	0.4
<b>Tranquilizers</b>	0.4	0.6	0.4	1.1	1.2	0.9	0.7	0.8	0.8	0.8	0.9	0.8	1.0	1.2	1.2
<b>Rohypnol</b>	0.0	0.2	0.1	§	0.4	0.3	0.1	0.2	0.1	0.2	0.1	0.1	0.6	0.2	0.2
<b>Steroids</b>	0.3	0.5	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.2	0.3	0.3	0.4	0.3	0.4
<b>Injection Drug Use</b>			0.0	0.2	0.1	0.1	0.2	0.1	0.1	0.2	0.2	0.2	0.2	0.3	0.3

\* Binge alcohol use in the Monitoring the Future Survey is defined as consuming 5 or more drinks on the same occasion on at least one day in the past two weeks.

‡ Survey question was re-worded and/or estimate was revised beginning with year indicated. Figures are percentage estimates.

§ Estimate is not calculated due to small sample size.

Data Source: Miech, R. A., Johnston, L. D., Patrick, M. E., O'Malley, P. M. (2024). Monitoring the Future national survey results on drug use, 1975–2023: Overview and detailed results for secondary school students (PDF). Monitoring the Future Monograph Series. Ann Arbor, MI: Institute for Social Research, University of Michigan.

## MONITORING THE FUTURE SURVEY: U.S. STUDENTS IN GRADE 8 -- PAST USE

Last 12 Months Use (%)	2023	2022	2021	2020	2019	2018	2017	2016	2015	2014	2013	2012	2011	2010	2009
<b>Alcohol</b>	15.1	15.2	17.2	20.5	19.3	18.7	18.2	17.6	21.0	20.8	22.1	23.6	26.9	29.3	30.3
<b>Been Drunk in past year</b>	4.6	4.7	5.7	7.5	6.6	6.5	6.4	5.7	7.7	7.3	8.4	8.6	10.5	11.5	12.2
<b>Any Illicit Drug</b>	10.9	11.0	10.2	15.6	14.8	13.4	12.9	12.0	14.8	14.6	15.2	‡ 13.4	14.7	16.0	14.5
<b>Any Illicit Drug other than Marijuana</b>	4.6	4.9	4.6	7.7	6.5	6.1	5.8	5.4	6.3	6.4	6.3	‡ 5.5	6.4	7.1	7.0
<b>Marijuana/Hashish</b>	8.3	8.3	7.1	11.4	11.8	10.5	10.1	9.4	11.8	11.7	12.7	11.4	12.5	13.7	11.8
<b>Synthetic Marijuana</b>		1.5	1.3	1.6	2.7	1.6	2.0	2.7	3.1	3.3	4.0	4.4			
<b>Vaping any substance</b>	13.2	13.8	13.4	19.2	20.1	17.6	13.3								
<b>Inhalants</b>	4.3	3.6	4.8	6.1	4.7	4.6	4.7	3.8	4.6	5.3	5.2	6.2	7.0	8.1	8.1
<b>Hallucinogens</b>	1.3	1.2	1.0	1.7	1.3	1.4	1.1	1.2	1.3	1.3	1.6	1.6	2.2	2.2	1.9
<b>LSD</b>	0.7	0.6	0.7	1.1	0.9	0.9	0.9	0.8	0.9	0.7	1.0	0.8	1.1	1.2	1.1
<b>MDMA "Ecstasy"</b>	0.4	0.6	0.6	0.8	1.1	1.1	0.9	1.0	1.4	‡ 1.5	1.1	1.1	1.7	2.4	1.3
<b>Cocaine</b>	0.4	0.5	0.2	0.5	0.7	0.8	0.8	0.8	0.9	1.0	1.0	1.2	1.4	1.6	1.6
<b>Crack</b>	0.3	0.4	0.2	0.2	0.4	0.4	0.5	0.5	0.5	0.7	0.6	0.6	0.9	1.0	1.1
<b>Amphetamines</b>	2.8	3.2	3.0	5.3	4.1	3.7	3.5	3.5	4.1	4.3	4.2	‡ 2.9	3.5	3.9	4.1
<b>Methamphetamine</b>	0.0	0.2	0.2	0.5	0.5	0.4	0.5	0.4	0.5	0.6	1.0	1.0	0.8	1.2	1.0
<b>Heroin</b>	0.4	0.3	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.5	0.5	0.5	0.7	0.8	0.7
<b>Tranquilizers</b>	0.9	1.4	1.1	2.2	2.4	2.0	2.0	1.7	1.7	1.7	1.8	1.8	2.0	2.8	2.6
<b>Steroids</b>	0.6	0.8	0.5	1.1	0.8	0.6	0.6	0.5	0.5	0.6	0.6	0.6	0.7	0.5	0.8
<b>Injection Drug Use</b>			0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.4	0.3	0.4	0.5	0.6	0.5

Lifetime Use (%)	2023	2022	2021	2020	2019	2018	2017	2016	2015	2014	2013	2012	2011	2010	2009
<b>Alcohol</b>	20.1	23.1	21.7	25.6	24.5	23.5	23.1	22.8	26.1	26.8	27.8	29.5	33.1	35.8	36.6
<b>Ever Been Drunk</b>	7.3	8.0	8.3	10.1	10.1	9.2	9.2	8.6	10.9	10.8	12.2	12.8	14.8	16.3	17.4
<b>Cigarettes</b>	5.8	6.1	7.0	11.5	10.0	9.1	9.4	9.8	13.3	13.5	14.8	15.5	18.4	20.0	20.1
<b>Smokeless Tobacco</b>	4.5	3.9	4.6	7.8	7.1	6.4	6.2	6.9	8.6	8.0	7.9	8.1	9.7	9.9	9.6
<b>Any Illicit Drug</b>	16.2	16.6	15.9	21.3	20.4	18.7	18.2	17.2	20.5	20.3	21.1	‡ 18.5	20.1	21.4	19.9
<b>Any Illicit Drug other than Marijuana</b>	8.2	9.3	8.8	12.5	10.8	9.8	9.3	8.9	10.3	10.0	10.4	‡ 8.7	9.8	10.6	10.4
<b>Marijuana/Hashish</b>	11.5	11.0	10.2	14.8	15.2	13.9	13.5	12.8	15.5	15.6	16.5	15.2	16.4	17.3	15.7
<b>Vaping any substance</b>	17.5	18.1	17.5	24.1	24.3	21.5	18.5	‡ 17.5	21.7						
<b>Inhalants</b>	9.0	9.8	11.3	12.6	9.5	8.7	8.9	7.7	9.4	10.8	10.8	11.8	13.1	14.5	14.9
<b>Hallucinogens</b>	2.1	2.0	1.8	3.0	2.4	2.2	1.9	1.9	2.0	2.0	2.5	2.8	3.3	3.4	3.0
<b>LSD</b>	1.1	1.0	1.2	2.1	1.6	1.4	1.3	1.2	1.3	1.1	1.4	1.3	1.7	1.8	1.7
<b>MDMA "Ecstasy"</b>	0.9	1.2	1.0	1.7	1.7	1.6	1.5	1.7	2.3	‡ 2.4	1.8	2.0	2.6	3.3	2.2
<b>Cocaine (all forms)</b>	1.0	0.8	0.6	1.6	1.2	1.4	1.3	1.4	1.6	1.8	1.7	1.9	2.2	2.6	2.6
<b>Crack Cocaine</b>	0.6	0.7	0.4	0.9	0.9	0.9	0.8	0.9	1.0	1.2	1.2	1.0	1.5	1.5	1.7
<b>Amphetamines</b>	5.0	6.0	5.8	8.9	6.8	5.9	5.7	5.7	6.8	6.7	6.9	‡ 4.5	5.2	5.7	6.0
<b>Methamphetamine</b>	0.3	0.5	0.3	1.1	0.9	0.7	0.7	0.6	0.8	1.0	1.4	1.3	1.3	1.8	1.6
<b>Heroin</b>	0.8	0.4	0.5	0.5	0.7	0.6	0.7	0.5	0.5	0.9	1.0	0.8	1.2	1.3	1.3
<b>Tranquilizers</b>	2.3	3.1	2.5	3.9	4.0	3.5	3.4	3.0	3.0	2.9	2.9	3.0	3.4	4.4	3.9
<b>Rohypnol</b>	0.5	0.4	0.3	§	0.6	0.7	0.6	0.9	0.8	0.6	0.7	1.0	2.0	0.9	0.7
<b>Steroids</b>	1.2	1.6	1.2	2.0	1.5	1.1	1.1	0.9	1.0	1.0	1.1	1.2	1.2	1.1	1.3
<b>Injection Drug Use</b>			0.4	0.3	0.5	0.4	0.4	0.3	0.3	0.8	0.6	0.6	0.8	0.9	0.9

\* Binge alcohol use in the Monitoring the Future Survey is defined as consuming 5 or more drinks on the same occasion on at least one day in the past two weeks.

‡ Survey question was re-worded and/or estimate was revised beginning with year indicated. Figures are percentage estimates.

§ Estimate is not calculated due to small sample size.

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## MONITORING THE FUTURE SURVEY: U.S. STUDENTS IN GRADE 10 -- CURRENT USE

Daily Use in Past 30 Days (%)	2023	2022	2021	2020	2019	2018	2017	2016	2015	2014	2013	2012	2011	2010	2009
<b>Alcohol</b>	0.4	0.4	0.4	1.0	0.6	0.5	0.6	0.5	0.5	0.8	0.9	1.0	0.8	1.1	1.1
<b>Been Drunk Daily</b>	0.2	0.2	0.1	0.3	0.2	0.2	0.2	0.1	0.1	0.3	0.3	0.4	0.2	0.3	0.4
<b>Cigarettes</b>	1.0	0.7	0.8	1.2	1.3	1.8	2.2	1.9	3.0	3.2	4.4	5.0	5.5	6.6	6.3
<b>Smokeless Tobacco</b>	0.5	0.7	0.4	0.7	0.9	1.0	0.6	1.0	1.6	1.8	1.9	2.0	1.7	2.5	1.9
<b>Marijuana/Hashish</b>	2.7	2.1	3.2	4.4	4.8	3.4	2.9	2.5	3.0	3.4	4.0	3.5	3.6	3.3	2.8

Last 30-Days Use (%)	2023	2022	2021	2020	2019	2018	2017	2016	2015	2014	2013	2012	2011	2010	2009
<b>Alcohol</b>	13.7	13.6	13.1	20.3	18.4	18.6	19.7	19.9	21.5	23.5	25.7	27.6	27.2	28.9	30.4
<b>Been Drunk (past 30 days)</b>	5.1	5.7	5.4	9.3	8.8	8.4	8.9	9.0	10.3	11.2	12.8	14.5	13.7	14.7	15.5
<b>Binge Alcohol Use (past 2 weeks)*</b>	5.4	5.9	5.9	9.6	8.5	8.7	9.8	9.7	10.9	12.6	13.7	15.6	14.7	16.3	17.5
<b>Cigarettes</b>	2.3	1.7	1.8	3.2	3.4	4.2	5.0	4.9	6.3	7.2	9.1	10.8	11.8	13.6	13.1
<b>Smokeless Tobacco</b>	2.3	2.5	1.7	3.5	3.2	3.9	3.8	3.5	4.9	5.3	6.4	6.4	6.6	7.5	6.5
<b>Any Illicit Drug</b>	11.3	12.9	10.9	18.2	19.8	18.3	17.2	15.9	16.5	18.5	19.2	18.6	19.2	18.5	17.8
<b>Any Illicit Drug other than Marijuana</b>	2.3	2.4	2.5	3.7	4.2	4.2	4.5	4.4	4.9	5.6	4.9	‡ 5.0	5.4	5.8	5.7
<b>Marijuana/Hashish</b>	10.3	12.1	10.1	16.6	18.4	16.7	15.7	14.0	14.8	16.6	18.0	17.0	17.6	16.7	15.9
<b>Vaping any substance</b>	14.4	17.3	15.6	23.5	25.0	21.7	13.1	‡ 11.0	14.2						
<b>Vaping Nicotine</b>		14.2	13.1	19.3	19.9	16.1	8.2								
<b>Vaping Marijuana</b>		10.3	8.4	11.3	12.6	7.0	4.3								
<b>Inhalants</b>	0.9	1.2	0.9	1.2	1.1	1.0	1.1	1.0	1.2	1.1	1.3	1.4	1.7	2.0	2.2
<b>Hallucinogens</b>	0.8	0.7	0.8	1.4	1.3	0.8	1.1	0.9	0.9	1.2	1.1	1.2	1.4	1.6	1.4
<b>LSD</b>	0.4	0.4	0.4	1.0	1.1	0.5	0.8	0.7	0.6	0.6	0.6	0.5	0.7	0.7	0.5
<b>MDMA "Ecstasy"</b>	0.3	0.3	0.1	0.5	0.7	0.4	0.5	0.5	0.9	‡ 1.1	1.2	1.0	1.6	1.9	1.3
<b>Cocaine (all forms)</b>	0.4	0.2	0.3	0.4	0.6	0.6	0.5	0.4	0.8	0.6	0.8	0.8	0.7	0.9	0.9
<b>Crack Cocaine</b>	0.2	0.1	0.2	0.3	0.3	0.3	0.3	0.2	0.3	0.3	0.4	0.4	0.4	0.5	0.4
<b>Amphetamines</b>	1.3	1.3	1.4	1.9	2.4	2.4	2.5	2.7	3.1	3.7	3.3	‡ 2.8	3.1	3.3	3.3
<b>Methamphetamine</b>	0.3	0.1	0.1	0.2	0.3	0.1	0.1	0.2	0.3	0.3	0.4	0.6	0.5	0.7	0.6
<b>Heroin</b>	0.2	0.2	0.1	0.1	0.2	0.1	0.1	0.2	0.2	0.4	0.3	0.4	0.4	0.4	0.4
<b>Tranquilizers</b>	0.4	0.6	0.5	0.7	1.3	1.3	1.5	1.5	1.7	1.6	1.6	1.7	1.9	2.2	2.0
<b>Rohypnol</b>	0.0	0.0	0.1	§	0.2	0.1	0.0	0.3	0.1	0.4	0.1	0.2	0.3	0.3	0.3
<b>Steroids</b>	0.4	0.3	0.1	0.5	0.4	0.4	0.3	0.3	0.4	0.4	0.4	0.4	0.5	0.5	0.5
<b>Injection Drug Use</b>			0.1	0.1	0.2	0.1	0.1	0.2	0.1	0.3	0.2	0.2	0.2	0.3	0.3

\* Binge alcohol use in the Monitoring the Future Survey is defined as consuming 5 or more drinks on the same occasion on at least one day in the past two weeks.

‡ Survey question was re-worded and/or estimate was revised beginning with year indicated. Figures are percentage estimates.

§ Estimate is not calculated due to small sample size.

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## MONITORING THE FUTURE SURVEY: U.S. STUDENTS IN GRADE 10 -- PAST USE

Last 12 Months Use (%)	2023	2022	2021	2020	2019	2018	2017	2016	2015	2014	2013	2012	2011	2010	2009
<b>Alcohol</b>	30.6	31.3	28.6	40.7	37.7	37.8	37.7	38.3	41.9	44.0	47.1	48.5	49.8	52.1	52.8
Been Drunk in past year	13.1	14.6	13.4	23.1	20.2	20.9	20.4	20.5	23.4	24.6	27.1	28.2	28.8	29.9	31.2
<b>Any Illicit Drug</b>	19.8	21.5	18.7	30.4	31.0	29.9	27.8	26.8	27.9	29.9	32.1	‡ 30.1	31.1	30.2	29.4
<b>Any Illicit Drug other than Marijuana</b>	5.1	5.7	5.1	8.6	9.1	9.6	9.4	9.8	10.5	11.2	11.2	‡ 10.8	11.2	12.1	12.2
<b>Marijuana/Hashish</b>	17.8	19.5	17.3	28.0	28.8	27.5	25.5	23.9	25.4	27.3	29.8	28.0	28.8	27.5	26.7
<b>Synthetic Marijuana</b>		2.2	1.6	2.5	2.6	2.9	2.7	3.3	4.3	5.4	7.4	8.8			
<b>Vaping any substance</b>	20.3	23.8	22.2	34.6	35.7	32.3	23.9								
<b>Inhalants</b>	2.0	2.4	2.0	2.9	2.8	2.4	2.3	2.4	2.9	3.3	3.5	4.1	4.5	5.7	6.1
<b>Hallucinogens</b>	2.2	2.1	2.2	3.4	3.1	2.7	2.8	2.9	3.1	3.3	3.4	3.5	4.1	4.2	4.1
LSD	1.2	1.3	1.5	2.5	2.3	2.0	2.1	2.1	2.0	1.9	1.7	1.7	1.8	1.9	1.9
<b>MDMA "Ecstasy"</b>	0.7	0.7	0.7	1.2	1.7	1.4	1.7	1.8	2.4	‡ 3.8	3.6	3.0	4.5	4.7	3.7
<b>Cocaine</b>	0.5	0.3	0.6	1.1	1.5	1.5	1.4	1.3	1.8	1.5	1.9	2.0	1.9	2.2	2.7
Crack	0.3	0.2	0.3	0.5	0.6	0.6	0.6	0.4	0.7	0.5	0.8	0.8	0.9	1.0	1.2
<b>Amphetamines</b>	2.7	3.1	2.7	4.3	5.2	5.7	5.6	6.1	6.8	7.6	7.9	‡ 6.5	6.6	7.6	7.1
Methamphetamine	0.4	0.3	0.2	0.3	0.5	0.4	0.4	0.4	0.8	0.8	1.0	1.0	1.4	1.6	1.6
<b>Heroin</b>	0.3	0.2	0.1	0.2	0.3	0.2	0.2	0.3	0.5	0.5	0.6	0.6	0.8	0.8	0.9
<b>Tranquilizers</b>	1.2	1.5	1.3	2.6	3.4	3.9	4.1	4.1	3.9	3.9	3.7	4.3	4.5	5.1	5.0
<b>Steroids</b>	0.5	0.5	0.3	0.9	0.8	0.6	0.7	0.7	0.7	0.8	0.8	0.8	0.9	1.0	0.8
<b>Injection Drug Use</b>			0.1	0.2	0.2	0.1	0.2	0.3	0.2	0.4	0.5	0.4	0.5	0.5	0.6

Lifetime Use (%)	2023	2022	2021	2020	2019	2018	2017	2016	2015	2014	2013	2012	2011	2010	2009
<b>Alcohol</b>	35.8	41.1	34.7	46.4	43.1	42.2	42.2	43.4	47.1	49.3	52.1	54.0	56.0	58.2	59.1
Ever Been Drunk	17.6	19.8	17.8	28.8	25.5	26.2	25.1	26.0	28.6	30.2	33.5	34.6	35.9	36.9	38.6
<b>Cigarettes</b>	9.4	10.2	10.0	13.9	14.2	16.0	15.9	17.5	19.9	22.6	25.7	27.7	30.4	33.0	32.7
<b>Smokeless Tobacco</b>	5.5	5.8	4.9	9.3	9.2	10.0	9.1	10.2	12.3	13.6	14.0	15.4	15.6	16.8	15.2
<b>Any Illicit Drug</b>	26.6	27.7	25.0	37.3	37.5	36.3	34.3	33.7	34.7	37.4	39.1	‡ 36.8	37.7	37.0	36.0
<b>Any Illicit Drug other than Marijuana</b>	9.4	9.7	9.1	13.2	13.8	14.2	13.7	14.0	14.6	15.9	16.4	‡ 14.9	15.6	16.8	16.7
<b>Marijuana/Hashish</b>	22.5	24.2	22.0	33.3	34.0	32.6	30.7	29.7	31.1	33.7	35.8	33.8	34.5	33.4	32.3
<b>Vaping any substance</b>	26.0	29.6	29.7	41.0	41.0	36.9	30.9	‡ 29.0	32.8						
<b>Inhalants</b>	6.5	7.5	7.2	7.4	6.8	6.5	6.1	6.6	7.2	8.7	8.7	9.9	10.1	12.0	12.3
<b>Hallucinogens</b>	3.6	3.4	3.5	4.8	4.7	3.9	4.2	4.4	4.6	5.0	5.4	5.2	6.0	6.1	6.1
LSD	2.1	2.1	2.5	3.8	3.6	2.8	3.0	3.2	3.0	2.6	2.7	2.6	2.8	3.0	3.0
<b>MDMA "Ecstasy"</b>	1.4	1.4	1.4	2.6	3.2	2.4	2.8	2.8	3.8	‡ 5.2	5.7	5.0	6.6	6.4	5.5
<b>Cocaine (all forms)</b>	1.0	0.8	1.2	1.6	2.5	2.6	2.1	2.1	2.7	2.6	3.3	3.3	3.3	3.7	4.6
Crack Cocaine	0.7	0.4	0.7	0.7	0.9	1.0	0.8	0.8	1.1	1.0	1.5	1.4	1.6	1.8	2.1
<b>Amphetamines</b>	5.7	5.4	5.2	7.0	8.2	8.6	8.2	8.8	9.7	10.6	11.2	‡ 8.9	9.0	10.6	10.3
Methamphetamine	0.5	0.6	0.4	0.8	0.7	0.8	0.9	0.7	1.3	1.4	1.6	1.8	2.1	2.5	2.8
<b>Heroin</b>	0.5	0.5	0.3	0.3	0.4	0.4	0.4	0.6	0.7	0.9	1.0	1.1	1.2	1.3	1.5
<b>Tranquilizers</b>	2.5	2.7	2.6	4.9	5.7	6.0	6.0	6.1	5.8	5.8	5.5	6.3	6.8	7.3	7.0
<b>Rohypnol</b>	0.6	0.2	0.6	§ 0.9	0.5	0.7	1.0	0.5	1.0	1.1	0.8	1.2	1.4	1.4	0.7
<b>Steroids</b>	1.2	0.9	0.7	1.7	1.6	1.2	1.1	1.3	1.2	1.4	1.3	1.3	1.4	1.6	1.3
<b>Injection Drug Use</b>			0.3	0.2	0.3	0.2	0.3	0.5	0.5	0.6	0.7	0.7	0.8	0.8	0.9

\* Binge alcohol use in the Monitoring the Future Survey is defined as consuming 5 or more drinks on the same occasion on at least one day in the past two weeks.

‡ Survey question was re-worded and/or estimate was revised beginning with year indicated. Figures are percentage estimates.

§ Estimate is not calculated due to small sample size.

Data Source: Miech, R. A., Johnston, L. D., Patrick, M. E., O'Malley, P. M. (2024). Monitoring the Future national survey results on drug use, 1975–2023: Overview and detailed results for secondary school students (PDF). Monitoring the Future Monograph Series. Ann Arbor, MI: Institute for Social Research, University of Michigan.

## MONITORING THE FUTURE SURVEY: U.S. STUDENTS IN GRADE 12 -- CURRENT USE

Daily Use in Past 30 Days (%)	2023	2022	2021	2020	2019	2018	2017	2016	2015	2014	2013	2012	2011	2010	2009
<b>Alcohol</b>	0.9	1.5	0.9	2.7	1.7	1.2	1.6	1.3	1.9	1.9	2.2	2.5	2.1	2.7	2.5
Been Drunk Daily	0.5	0.8	0.4	0.8	1.1	0.7	1.1	0.8	0.8	1.1	1.3	1.5	1.3	1.6	1.1
<b>Cigarettes</b>	0.7	1.6	2.0	3.1	2.4	3.6	4.2	4.8	5.5	6.7	8.5	9.3	10.3	10.7	11.2
<b>Smokeless Tobacco</b>	0.4	1.1	0.7	§	1.1	1.6	2.0	2.7	2.9	3.4	3.0	3.2	3.1	3.1	2.9
<b>Marijuana/Hashish</b>	6.5	6.3	5.8	6.9	6.4	5.8	5.9	6.0	6.0	5.8	6.5	6.5	6.6	6.1	5.2

Last 30-Days Use (%)	2023	2022	2021	2020	2019	2018	2017	2016	2015	2014	2013	2012	2011	2010	2009
<b>Alcohol</b>	24.3	28.4	25.8	33.6	29.3	30.2	33.2	33.2	35.3	37.4	39.2	41.5	40.0	41.2	43.5
Been Drunk in past 30 days	12.5	16.8	15.5	19.8	17.5	17.5	19.1	20.4	20.6	23.5	26.0	28.1	25.0	26.8	27.4
Binge Alcohol Use in past 2 weeks	10.2	12.6	11.8	16.8	14.4	13.8	16.6	15.5	17.2	19.4	22.1	23.7	21.6	23.2	25.2
<b>Cigarettes</b>	2.9	4.0	4.1	7.5	5.7	7.6	9.7	10.5	11.4	13.6	16.3	17.1	18.7	19.2	20.1
<b>Smokeless Tobacco</b>	2.5	3.2	2.2	§	3.5	4.2	4.9	6.6	6.1	8.4	8.1	7.9	8.3	8.5	8.4
<b>Any Illicit Drug</b>	19.8	21.6	20.6	22.2	23.7	24.0	24.9	24.4	23.6	23.7	25.2	‡ 25.2	25.2	23.8	23.3
Any Illicit Drug other than Marijuana	3.4	3.6	2.9	4.8	5.2	6.0	6.3	6.9	7.6	7.7	8.2	‡ 8.4	8.9	8.6	8.6
<b>Marijuana/Hashish</b>	18.4	20.2	19.5	21.1	22.3	22.2	22.9	22.5	21.3	21.2	22.7	22.9	22.6	21.4	20.6
<b>Vaping any substance</b>	22.1	25.6	24.0	28.2	30.9	26.7	16.6 ‡	12.5	16.3						
<b>Inhalants</b>	1.2	0.7	0.7	0.7	0.9	0.7	0.8	0.8	0.7	0.7	1.0	0.9	1.0	1.4	1.2
<b>Hallucinogens</b>	1.6	1.4	1.0	1.8	1.8	1.4	1.6	1.4	1.6	1.5	1.4	1.6	1.6	1.9	1.6
LSD	0.4	0.8	0.5	1.4	1.4	1.0	1.2	1.0	1.1	1.0	0.8	0.8	0.8	0.8	0.5
<b>MDMA "Ecstasy"</b>	0.3	0.9	0.2	0.8	0.7	0.5	0.9	0.9	1.1	‡ 1.5	1.5	0.9	2.3	1.4	1.8
<b>Cocaine including Crack</b>	0.4	0.8	0.3	0.8	1.0	1.1	1.2	0.9	1.1	1.0	1.1	1.1	1.1	1.3	1.3
Crack Cocaine	0.3	0.6	0.3	0.4	0.7	0.5	0.6	0.5	0.6	0.7	0.6	0.6	0.5	0.7	0.6
<b>Amphetamines</b>	1.1	1.3	1.0	1.7	2.0	2.4	2.6	3.0	3.2	3.8	4.2	‡ 3.3	3.7	3.3	3.0
Methamphetamine	0.1	0.4	0.1	0.8	0.3	0.3	0.3	0.3	0.4	0.5	0.4	0.5	0.6	0.5	0.5
Crystal Methamphetamine "Ice"	0.2	0.3	0.2	0.0	0.4	0.4	0.5	0.4	0.3	0.4	0.8	0.4	0.6	0.6	0.5
<b>Heroin</b>	0.1	0.3	0.1	0.3	0.3	0.2	0.3	0.2	0.3	0.4	0.3	0.3	0.4	0.4	0.4
<b>Narcotics other than Heroin</b>	0.4	0.7	0.3	0.7	1.0	1.1	1.6	1.7	2.1	2.2	2.8	3.0	3.6	3.6	4.1
<b>Sedatives / Barbiturates</b>	0.7	1.1	0.9	1.2	1.2	1.2	1.4	1.5	1.7	2.0	2.2	2.0	1.8	2.2	2.5
<b>Tranquilizers</b>	0.3	0.7	0.4	1.0	1.3	1.3	2.0	1.9	2.0	2.1	2.0	2.1	2.3	2.5	2.7
<b>Steroids</b>	0.5	1.3	0.5	1.2	0.7	0.8	0.8	0.7	1.0	0.9	1.0	0.9	0.7	1.1	1.0
<b>Prescription Drug non-medical use</b>	2.1	2.6	2.1	3.3	3.6	4.2	4.9	5.4	5.9	6.4	7.1	‡ 7.0	7.2	6.9	7.3
<b>Injection Drug Use</b>			0.1	0.1	0.3	0.2	0.2	0.2	0.2	0.3	0.2	0.3	0.4	0.4	0.1

\* Binge alcohol use in the Monitoring the Future Survey is defined as consuming 5 or more drinks on the same occasion on at least one day in the past two weeks.

‡ Survey question was re-worded and/or estimate was revised beginning with year indicated. Figures are percentage estimates.

Data Source: Miech, R. A., Johnston, L. D., Patrick, M. E., O'Malley, P. M. (2024). Monitoring the Future national survey results on drug use, 1975–2023: Overview and detailed results for secondary school students (PDF). Monitoring the Future Monograph Series. Ann Arbor, MI: Institute for Social Research, University of Michigan.

**MONITORING THE FUTURE SURVEY: U.S. STUDENTS IN GRADE 12 -- PAST USE**

Last 12 Months Use (%)	2023	2022	2021	2020	2019	2018	2017	2016	2015	2014	2013	2012	2011	2010	2009
<b>Alcohol</b>	45.7	51.9	46.5	55.3	52.1	53.3	55.7	55.6	58.2	60.2	62.0	63.5	63.5	65.2	66.2
Been Drunk in past year	25.1	29.6	28.8	36.9	32.8	33.9	35.6	37.3	37.7	41.4	43.5	45.0	42.2	44.0	47.0
<b>Tobacco using a Hookah</b>	2.7	3.3	2.1	§	5.6	7.8	10.1	13.0	19.8	22.9	21.4	18.3	18.5	17.1	
<b>Any Illicit Drug</b>	31.2	32.6	32.0	36.8	38.0	38.8	39.9	38.3	38.6	38.7	40.1	‡ 39.7	40.0	38.3	36.5
<b>Any Illicit Drug other than Marijuana</b>	7.4	8.0	7.2	11.4	11.5	12.4	13.3	14.3	15.2	15.9	17.8	‡ 17.0	17.6	17.3	17.0
<b>Marijuana/Hashish</b>	29.0	30.7	30.5	35.2	35.7	35.9	37.1	35.6	34.9	35.1	36.4	36.4	36.4	34.8	32.8
<b>Synthetic Marijuana</b>		3.2	1.8	2.4	3.3	3.5	3.7	3.5	5.2	5.8	7.9	11.3	11.4		
<b>Inhalants</b>	2.0	1.8	1.8	1.1	1.9	1.6	1.5	1.7	1.9	1.9	2.5	2.9	3.2	3.6	3.4
<b>Hallucinogens</b>	4.3	4.4	4.1	5.3	4.6	4.3	4.4	4.3	4.2	4.0	4.5	4.8	5.2	5.5	4.7
LSD	1.2	2.5	2.5	3.9	3.6	3.2	3.3	3.0	2.9	2.5	2.2	2.4	2.7	2.6	1.9
<b>MDMA "Ecstasy"</b>	0.7	1.4	1.1	1.8	2.2	2.2	2.6	2.7	3.6	‡ 5.0	4.0	3.8	5.3	4.5	4.3
<b>Cocaine</b>	0.6	1.5	1.2	2.9	2.2	2.3	2.7	2.3	2.5	2.6	2.6	2.7	2.9	2.9	3.4
Crack	0.5	0.9	0.7	1.2	1.0	0.9	1.0	0.8	1.1	1.1	1.1	1.2	1.0	1.4	1.3
<b>Amphetamines</b>	2.1	2.8	2.3	4.3	4.5	5.5	5.9	6.7	7.7	8.1	9.2	‡ 7.9	8.2	7.4	6.6
Methamphetamine	0.4	0.5	0.2	1.4	0.5	0.5	0.6	0.6	0.6	1.0	0.9	1.1	1.4	1.0	1.2
Crystal Meth (Ice)	0.3	0.3	0.4	0.0	0.6	0.6	0.8	0.8	0.5	0.8	1.1	0.8	1.2	0.9	0.9
<b>Heroin</b>	0.1	0.3	0.1	0.3	0.4	0.4	0.4	0.3	0.5	0.6	0.6	0.6	0.8	0.9	0.7
<b>Narcotics other than Heroin</b>	1.0	1.7	1.0	2.1	2.7	3.4	4.2	4.8	5.4	6.1	7.1	7.9	8.7	8.7	9.2
<b>Sedatives / Barbiturates</b>	1.5	2.0	1.8	2.4	2.5	2.7	2.9	3.0	3.6	4.3	4.8	4.5	4.3	4.8	5.2
<b>Tranquilizers</b>	1.0	1.5	1.2	3.2	3.4	3.9	4.7	4.9	4.7	4.7	4.6	5.3	5.6	5.6	6.3
<b>Steroids</b>	0.7	1.3	0.5	1.2	1.0	1.1	1.1	1.0	1.7	1.5	1.5	1.3	1.2	1.5	1.5
<b>Prescription Drug non-medical use</b>	4.2	5.0	4.4	7.6	8.6	9.9	10.9	12.0	12.9	13.9	15.9	‡ 14.8	15.2	15.0	14.4
<b>Injection Drug Use</b>			0.1	0.1	0.3	0.3	0.2	0.3	0.3	0.5	0.4	0.4	0.6	0.7	0.3

Lifetime Use (%)	2023	2022	2021	2020	2019	2018	2017	2016	2015	2014	2013	2012	2011	2010	2009
<b>Alcohol</b>	52.8	61.6	54.1	61.5	58.5	58.5	61.5	61.2	64.0	66.0	68.2	69.4	70.0	71.0	72.3
Ever Been Drunk	32.7	36.7	38.9	41.7	40.8	42.9	45.3	46.3	46.7	49.8	52.3	54.2	51.0	54.1	56.5
<b>Cigarettes</b>	15.0	16.8	17.8	24.0	22.3	23.8	26.6	28.3	31.1	34.4	38.1	39.5	40.0	42.2	43.6
<b>Smokeless Tobacco</b>	7.8	10.3	8.6	§	9.8	10.1	11.0	14.2	13.2	15.1	17.2	17.4	16.9	17.6	16.3
<b>Any Illicit Drug</b>	39.9	41.0	41.3	46.6	47.4	47.8	48.9	48.3	48.9	49.1	49.8	‡ 49.1	49.9	48.2	46.7
<b>Any Illicit Drug other than Marijuana</b>	12.4	13.2	12.8	17.5	18.4	18.9	19.5	20.7	21.1	22.6	24.8	‡ 24.1	24.9	24.7	24.0
<b>Marijuana/Hashish</b>	36.5	38.3	38.6	43.7	43.7	43.6	45.0	44.5	44.7	44.4	45.5	45.2	45.5	43.8	42.0
<b>Vaping any substance</b>	35.7	40.7	40.5	47.2	45.6	42.5	35.8	‡ 33.8	35.5						
<b>Inhalants</b>	6.3	5.8	5.0	3.8	5.3	4.4	4.9	5.0	5.7	6.5	6.9	7.9	8.1	9.0	9.5
<b>Hallucinogens</b>	6.6	7.1	7.1	7.5	6.9	6.6	6.7	6.7	6.4	6.3	7.6	7.5	8.3	8.6	7.4
LSD	3.1	4.4	4.9	5.9	5.6	5.1	5.0	4.9	4.3	3.7	3.9	3.8	4.0	4.0	3.1
<b>MDMA "Ecstasy"</b>	1.6	3.0	2.8	3.6	3.3	4.1	4.9	4.9	5.9	‡ 7.9	7.1	7.2	8.0	7.3	6.5
<b>Cocaine</b>	1.3	2.4	2.5	4.1	3.8	3.9	4.2	3.7	4.0	4.6	4.5	4.9	5.2	5.5	6.0
Crack Cocaine	0.8	1.3	1.5	1.6	1.7	1.5	1.7	1.4	1.7	1.8	1.8	2.1	1.9	2.4	2.4
<b>Amphetamines</b>	4.3	5.3	4.9	7.3	7.7	8.6	9.2	10.0	10.8	12.1	13.8	‡ 12.0	12.2	11.1	9.9
Methamphetamine	0.6	1.1	0.6	1.7	0.8	0.7	1.1	1.2	1.0	1.9	1.5	1.7	2.1	2.3	2.4
Crystal Methamphetamine "Ice"	0.9	0.8	0.7	0.2	1.3	1.1	1.5	1.4	1.2	1.3	2.0	1.7	2.1	1.8	2.1
<b>Heroin</b>	0.2	0.5	0.4	0.4	0.6	0.8	0.7	0.7	0.8	1.0	1.0	1.1	1.4	1.6	1.2
<b>Narcotics other than Heroin</b>	2.4	3.2	2.3	5.3	5.3	6.0	6.8	7.8	8.4	9.5	11.1	12.2	13.0	13.0	13.2
<b>Sedatives / Barbiturates</b>	2.9	3.6	3.5	4.4	4.2	4.2	4.5	5.2	5.9	6.8	7.5	6.9	7.0	7.5	8.2
<b>Tranquilizers</b>	2.7	3.3	3.3	7.0	6.1	6.6	7.5	7.6	6.9	7.4	7.7	8.5	8.7	8.5	9.3
<b>Steroids</b>	0.9	1.5	0.8	2.0	1.6	1.6	1.6	1.6	2.3	1.9	2.1	1.8	1.8	2.0	2.2
<b>Prescription Drug non-medical use</b>	8.5	9.3	8.8	14.2	14.6	15.5	16.5	18.0	18.3	19.9	22.2	‡ 21.2	21.7	21.6	20.9
<b>Injection Drug Use</b>			0.2	0.2	0.4	0.5	0.4	0.5	0.6	0.8	0.7	0.7	0.9	1.1	0.6

\* Binge alcohol use in the Monitoring the Future Survey is defined as consuming 5 or more drinks on the same occasion on at least one day in the past two weeks.

‡ Survey question was re-worded and/or estimate was revised beginning with year indicated. Figures are percentage estimates.

Data Source: Miech, R. A., Johnston, L. D., Patrick, M. E., O'Malley, P. M. (2024). Monitoring the Future national survey results on drug use, 1975–2023: Overview and detailed results for secondary school students (PDF). Monitoring the Future Monograph Series. Ann Arbor, MI: Institute for Social Research, University of Michigan.

## MONITORING THE FUTURE SURVEY: U.S. FULL-TIME COLLEGE STUDENTS -- CURRENT USE

Daily Use in Past 30 Days (%)	2022	2021	2020	2019	2018	2017	2016	2015	2014	2013	2012	2011	2010	2009
<b>Alcohol</b>	1.7	2.1	2.4	2.0	2.3	2.2	4.3	3.1	4.3	3.6	3.9	3.8	3.6	4.3
Been Drunk Daily			0.3	0.2	0.6	0.0	0.4	0.7	0.4	0.5	0.4	1.3	0.3	0.7
<b>Cigarettes</b>	1.1	0.9	1.4	2.5	1.9	2.0	2.6	4.2	5.2	5.6	5.2	7.3	7.6	8.0
<b>Marijuana/Hashish</b>	4.7	5.6	7.9	5.9	5.8	4.4	4.9	4.6	5.9	5.1	4.8	4.7	4.4	4.9

Past 30-Day Use (%)	2022	2021	2020	2019	2018	2017	2016	2015	2014	2013	2012	2011	2010	2009
<b>Alcohol</b>	62.5	59.6	55.7	62.2	59.6	62.0	63.2	63.2	63.1	63.1	67.7	63.5	65.0	65.8
Been Drunk (past 30 days)			27.6	34.8	37.8	34.8	40.8	38.4	42.6	40.2	40.1	39.9	43.6	42.4
Binge Alcohol Use (5+ drinks in a row past 2 weeks)*	27.7	30.4	24.2	32.0	28.4	32.7	32.4	31.9	35.4	35.2	37.4	36.1	37.0	36.9
Binge Alcohol Use (10+ drinks in a row past 2 weeks)*	5.2	10.5												
<b>Cigarettes</b>	6.4	5.9	4.1	7.9	6.8	8.0	8.9	11.3	12.9	14.0	12.5	15.2	16.4	17.9
<b>Any Illicit Drug</b>			25.2	29.7	27.0	23.6	24.4	23.4	22.7	22.8	‡ 22.3	21.4	19.2	20.7
<b>Any Drug other than Marijuana</b>	2.9	5.8	6.0	7.6	7.9	7.0	8.4	9.2	10.0	8.8	‡ 7.8	8.2	8.1	8.4
<b>Marijuana/Hashish</b>	22.1	24.2	24.5	26.3	24.7	21.2	22.2	21.1	20.8	20.6	20.5	19.4	17.5	18.5
<b>Vaping any substance</b>			23.9	28.5	21.3	11.3	‡ 6.9	8.8						
<b>Vaping Marijuana</b>	11.2	11.8												
<b>Vaping Nicotine</b>	18.9	20.4												
<b>Inhalants</b>			0.4	0.4	0.2	0.9	0.0	0.2	0.3	0.1	0.2	0.3	0.5	0.1
<b>Hallucinogens</b>	1.1	0.9	2.4	1.4	1.1	1.2	0.8	1.4	1.0	1.0	1.1	1.2	1.4	1.0
LSD	<0.1	0.4	1.1	1.1	1.0	0.8	0.4	0.7	0.5	0.4	0.4	0.5	0.7	0.3
Hallucinogens other than LSD	0.7	0.5												
<b>MDMA "Ecstasy"</b>	<0.1	0.1	0.8	1.1	1.3	0.5	1.0	0.7	‡ 1.0	0.8	1.4	0.7	1.0	0.5
<b>Cocaine</b>	1.1	1.7	1.4	2.4	2.6	1.4	1.7	1.5	1.8	0.9	1.1	1.2	1.0	1.3
Crack Cocaine			0.0	0.0	0.4	0.0	0.0	0.1	0.1	0.3	0.0	0.1	0.1	0.1
<b>Amphetamine</b>	1.5	2.2	1.6	3.4	2.9	3.6	3.8	4.2	4.8	5.0	‡ 4.6	4.5	4.1	3.4
Methamphetamine			0.0	0.0	0.4	0.0	0.0	0.3	0.1	0.0	0.0	0.0	0.0	0.1
Crystal Methamphetamine "Ice"				0.0	0.0	0.4	0.0	0.0	0.0	0.0	0.3	0.0	0.2	0.0
<b>Heroin</b>	<0.1	0.1	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.2	0.1	0.0	0.0	0.1
<b>Narcotics other than Heroin</b>	0.1	0.3	0.5	0.4	1.0	0.7	1.1	1.3	1.2	1.5	2.2	2.1	2.3	2.7
<b>Sedatives / Barbiturates</b>	0.1	0.3	0.5	0.5	0.5	0.5	0.9	1.0	0.7	0.9	0.8	0.8	0.6	1.2
<b>Tranquilizers</b>	0.6	0.6	0.4	0.7	1.1	0.9	1.8	1.6	1.7	1.2	1.1	1.6	1.3	2.2
<b>Injection Drug Use</b>				0.0	0.1	0.1	0.0	0.0	0.0	0.1	0.2	0.0	0.0	0.1

\* Binge alcohol use in the Monitoring the Future Survey is defined as consuming 5 or more drinks on the same occasion on at least one day in the past two weeks.

‡ Survey question was re-worded and/or estimate was revised beginning with year indicated. Figures are percentage estimates.

Source: Patrick, ME; Miech, RA; Johnston, LD; O'Malley, PM; (2023). Monitoring the Future Panel Study annual report: National data on substance use among adults 19 to 60, 1976-2022: Monitoring the Future Monograph Series. Ann Arbor, MI: Institute for Social Research, University of Michigan.

**MONITORING THE FUTURE SURVEY: U.S. FULL-TIME COLLEGE STUDENTS -- PAST USE**

Past Year Use (%)	2022	2021	2020	2019	2018	2017	2016	2015	2014	2013	2012	2011	2010	2009	2008	2007
<b>Alcohol</b>	80.5	76.4	76.7	77.6	74.6	75.8	78.9	79.0	76.1	75.6	79.2	77.4	78.6	79.4	82.1	80.9
<b>Ever Been Drunk in past year</b>			58.0	58.7	59.2	58.0	60.7	61.6	60.5	57.9	61.5	60.1	63.8	61.5	66.8	64.8
<b>Cigarettes</b>	15.6	16.6	17.5	16.0	15.5	16.7	18.7	20.1	22.6	23.2	23.4	25.8	28.1	29.9	30.0	30.7
<b>Tobacco using a Hookah</b>	5.6	4.5	8.3	10.6	11.4	10.0	16.9	23.4	32.7	26.1	25.7	27.9				
<b>Any Illicit Drug</b>			45.6	46.5	45.4	42.4	42.8	41.4	38.6	40.5	‡ 37.3	36.3	35.0	36.0	35.2	35.0
<b>Any Drug other than Marijuana</b>	10.7	14.6	16.2	16.8	18.2	18.1	19.7	18.5	20.8	19.3	‡ 17.1	16.8	17.1	16.9	15.3	17.3
<b>Marijuana/Hashish</b>	40.9	40.3	43.9	43.0	42.6	38.3	39.3	37.9	34.4	35.5	34.9	33.2	32.7	32.8	32.3	31.8
<b>Vaping Marijuana</b>	19.9	19.5														
<b>Vaping Nicotine</b>	26.4	28.0														
<b>Synthetic Marijuana</b>			0.5	1.8	1.6	0.5	1.3	1.5	0.9	2.3	5.3	8.5				
<b>Inhalants</b>			1.2	1.3	1.3	1.7	0.2	0.6	1.3	0.5	1.5	0.9	1.7	1.2	1.1	1.5
<b>Hallucinogens</b>	5.0	6.8	8.6	5.3	5.1	4.1	4.5	4.3	4.0	4.5	4.5	4.1	4.9	4.7	5.1	4.9
<b>LSD</b>	1.4	4.3	5.8	3.7	4.1	2.8	3.1	3.0	2.2	2.6	1.9	2.0	2.1	2.0	2.6	1.3
<b>Hallucinogens other than LSD</b>	4.6	4.6	5.8	3.3	2.4	2.5	3.4	3.0	3.2	3.7	3.9	3.4	4.4	4.1	4.4	4.7
<b>Ketamine</b>	0.4	1.4														
<b>Oxycontin</b>	0.1	0.3														
<b>Vicodin</b>	0.1	0.8														
<b>Adderall</b>	3.6	4.3														
<b>Ritalin</b>	0.2	1.7														
<b>Snus</b>	<0.1	3.5														
<b>MDMA "Ecstasy"</b>	1.7	1.6	3.7	3.3	4.3	2.5	4.7	4.2	‡ 4.9	5.3	5.8	4.2	4.3	3.1	3.7	2.2
<b>Cocaine</b>	3.3	3.9	3.8	5.6	6.0	4.8	4.0	4.3	4.4	2.7	3.1	3.3	3.5	4.2	4.4	5.4
<b>Crack Cocaine</b>			0.0	0.0	0.7	0.2	0.0	0.2	0.8	0.3	0.3	0.3	0.4	0.3	0.5	0.6
<b>Amphetamine</b>	4.8	5.2	6.5	8.1	8.3	8.6	9.8	9.7	10.1	9.6	‡ 11.1	9.3	9.0	7.5	5.7	6.9
<b>Methamphetamine</b>	<0.1	0.3	0.0	0.0	0.4	0.4	0.0	0.5	0.1	0.4	0.0	0.2	0.4	0.3	0.5	0.4
<b>Crystal Meth (Ice)</b>					0.0	0.4	0.0	0.0	0.0	0.0	0.6	0.1	0.5	0.1	0.1	0.7
<b>Heroin</b>	<0.1	0.1	0.0	0.0	0.0	0.0	0.2	0.1	0.0	0.3	0.1	0.1	0.2	0.4	0.3	0.2
<b>Narcotics other than Heroin</b>	0.8	0.9	1.3	1.5	2.7	3.1	3.8	3.3	4.8	5.4	5.4	6.2	7.2	7.6	6.5	7.7
<b>Sedatives / Barbiturates</b>	0.6	0.9	1.7	2.0	1.5	1.9	2.1	2.3	3.1	2.7	‡ 2.2	1.7	2.5	3.1	3.7	3.6
<b>Tranquilizers</b>	1.3	1.7	2.6	3.0	3.5	3.6	4.9	4.3	3.5	4.4	3.4	4.2	4.9	5.4	5.0	5.5
<b>Steroids</b>					0.0	0.6	0.0	0.3	0.5	0.8	0.3	0.2	0.3	0.7	0.1	0.6
<b>Injection Drug Use</b>			0.1	0.0	0.1	0.2	0.0	0.1	0.0	0.1	0.2	0.2	0.0	0.1	0.0	< 0.1
<b>Lifetime Use (%)</b>	<b>2022</b>	<b>2021</b>	<b>2020</b>	<b>2019</b>	<b>2018</b>	<b>2017</b>	<b>2016</b>	<b>2015</b>	<b>2014</b>	<b>2013</b>	<b>2012</b>	<b>2011</b>	<b>2010</b>	<b>2009</b>	<b>2008</b>	<b>2007</b>
<b>Alcohol</b>			79.2	79.2	77.4	79.1	81.3	81.4	79.4	78.0	81.0	80.5	82.3	82.6	85.3	83.1
<b>Ever Been Drunk</b>			65.1	65.5	66.8	64.8	66.7	68.6	68.8	66.5	70.0	67.9	70.5	69.1	72.5	71.6
<b>Any Illicit Drug</b>			56.3	58.9	55.7	55.4	54.4	53.4	52.4	53.3	‡ 50.5	49.2	49.1	51.4	49.5	50.5
<b>Any Illicit Drug other than Marijuana</b>			22.6	26.2	27.3	26.1	26.5	26.4	29.0	28.3	‡ 23.8	24.3	24.8	25.6	22.6	25.3
<b>Marijuana/Hashish</b>			55.4	54.7	52.4	50.5	51.0	50.4	48.5	47.7	49.1	46.6	46.8	47.5	46.8	47.5
<b>Vaping any substance</b>			49.3	49.4	39.9	36.0	‡ 26.8	26.0								
<b>Inhalants</b>			4.5	4.6	3.0	3.4	3.2	3.1	3.5	4.3	5.7	3.7	5.5	6.9	4.9	6.3
<b>Hallucinogens</b>			11.2	9.1	8.5	7.2	7.7	6.5	7.6	7.8	7.6	7.4	7.8	8.0	8.5	9.1
<b>LSD</b>			9.0	6.5	6.9	5.3	5.1	4.8	4.5	4.4	3.1	3.7	4.0	3.3	4.3	3.3
<b>Hallucinogens other than LSD</b>			7.8	6.9	5.0	5.0	6.6	5.1	6.8	6.8	7.2	6.9	7.1	7.8	8.2	8.5
<b>MDMA "Ecstasy"</b>			6.6	7.0	7.6	5.3	8.4	8.9	‡ 8.1	8.1	8.7	6.8	6.2	6.5	6.2	5.4
<b>Cocaine (all forms)</b>			5.9	8.8	8.5	6.5	5.3	6.1	6.2	5.1	5.2	5.5	6.6	8.1	7.2	8.5
<b>Crack Cocaine</b>			0.6	0.0	0.9	0.6	0.4	0.5	1.4	0.7	0.7	0.8	1.2	1.0	1.4	1.3
<b>Amphetamine</b>			10.6	13.5	13.2	12.6	13.6	13.9	15.0	16.1	‡ 14.4	13.4	12.1	11.8	9.1	11.2
<b>Methamphetamine</b>			0.2	1.1	1.0	0.6	0.6	0.8	0.7	0.9	0.3	0.6	1.1	1.0	1.9	1.9
<b>Crystal Methamphetamine "Ice"</b>					0.8	0.4	0.6	0.3	0.3	0.0	0.6	0.2	0.8	0.7	1.1	1.3
<b>Heroin</b>			0.4	0.3	0.1	0.1	0.5	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.7	0.5
<b>Narcotics other than Heroin</b>			4.1	5.8	6.6	6.8	7.4	6.6	9.9	10.8	10.3	12.4	12.2	14.0	12.4	14.1
<b>Sedatives / Barbiturates</b>			2.8	3.7	3.3	3.9	3.3	4.4	5.9	5.4	‡ 3.5	3.6	5.3	6.0	6.4	5.9
<b>Tranquilizers</b>			4.9	7.4	7.4	6.7	6.5	7.8	6.9	7.8	6.4	7.1	8.1	9.2	8.6	9.1
<b>Steroids</b>					0.3	1.2	0.8	0.6	0.9	0.8	0.4	1.1	0.7	1.3	1.6	0.6
<b>Injection Drug Use</b>			0.5	0.3	0.2	0.0	0.0	0.3	0.0	0.1	0.2	0.3	0.1	0.1	0.0	0.1

\* Binge alcohol use in the Monitoring the Future Survey is defined as consuming 5 or more drinks on the same occasion on at least one day in the past two weeks.

‡ Survey question was re-worded and/or estimate was revised beginning with year indicated. Figures are percentage estimates.

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## MONITORING THE FUTURE SURVEY: U.S. YOUNG ADULTS AGES 19-30

DAILY USE DURING PAST 30 DAYS (%)	2023	2022	2021	2020	2019	2018	2017	2016	2015	2014	2013	2012	2011	2010	2009
Alcohol	3.6	4.6	4.1	5.3	4.2	4.6	5.2	5.6	5.2	5.4	5.2	5.8	5.2	4.9	5.6
Cigarettes	3.6	4.2	4.4	5.3	6.4	7.6	8.6	8.6	9.9	11.2	12.0	13.0	13.9	15.2	15.3
Marijuana	10.4	11.3	10.8	9.8	9.2	7.9	7.7	7.5	6.5	6.7	5.7	5.5	5.7	5.1	5.4

PAST 2-WEEK USE (%)	2023	2022	2021	2020	2019	2018	2017	2016	2015	2014	2013	2012	2011	2010	2009
5+ Drinks in a Row in Past 2 Weeks*	27.2	30.5	32.0	28.0	31.8	30.5	31.3	31.9	31.3	33.1	34.4	35.1	35.5	35.4	36.0
10+ Drinks in a Row in Past 2 Weeks	8.5	9.5	13.1	12.4	11.9	11.3	11.8	9.6	10.5	11.9	10.1	11.3	11.0	12.1	12.5

\* Binge alcohol use in the Monitoring the Future Survey is defined as consuming 5 or more drinks on the same occasion on at least one day in the past two weeks.

PAST 30-DAY USE (%)	2023	2022	2021	2020	2019	2018	2017	2016	2015	2014	2013	2012	2011	2010	2009
Alcohol	64.9	67.5	66.3	64.7	68.2	67.0	67.9	69.7	68.1	69.1	69.1	69.7	68.9	68.5	69.7
Cigarettes	8.8	8.5	9.0	9.5	11.8	12.7	14.8	14.3	16.5	17.7	19.5	19.5	21.2	22.6	23.4
Vaping Nicotine	18.7	17.2	16.1	13.7	14.0	9.9	6.2								
Any Drug other than Marijuana	6.6	6.7	7.5	7.8	7.9	8.4	8.8	8.9	8.2	9.8	7.9	7.5	8.0	8.2	8.4
Marijuana	28.7	28.8	28.5	26.8	26.3	23.9	22.1	20.6	19.0	18.3	18.2	16.8	17.1	15.3	16.3
Vaping Marijuana	14.4	13.9	13.3	10.6	10.9	9.2	5.9								

PAST 12-MONTH USE (%)	2023	2022	2021	2020	2019	2018	2017	2016	2015	2014	2013	2012	2011	2010	2009
Alcohol	83.7	83.5	81.8	82.2	81.9	82.4	82.0	83.5	82.4	83.0	83.1	82.7	83.8	83.3	83.9
Cigarettes	18.8	17.8	18.6	21.0	21.3	22.5	23.1	23.3	25.3	26.9	29.0	29.3	31.0	32.5	33.7
Tobacco using a Hookah	7.9	8.0	7.2	9.6	10.0	13.3	11.7	14.8	17.4	20.6	18.7	17.1	17.7	14.4	
Vaping Nicotine	25.3	23.7	21.8	21.9	23.6	16.7	13.3								
Snus	1.8	2.8	3.0	4.7	3.6	3.6	4.2	4.3	4.9	5.2	5.2	5.8	6.2		
Marijuana	42.4	43.6	42.6	42.0	39.9	38.3	36.3	33.8	32.1	30.4	30.6	28.6	29.4	27.5	28.3
Vaping marijuana	22.2	21.3	19.0	19.0	18.1	15.7	11.5								
Any Drug other than Marijuana	16.6	17.4	18.3	19.1	19.1	19.3	19.9	19.4	18.9	21.0	17.7	16.7	17.0	17.9	17.4
Hallucinogens	8.9	8.0	8.5	7.6	5.1	5.3	4.3	4.6	4.0	3.9	3.7	3.4	3.4	3.9	3.7
LSD	2.5	2.6	4.3	4.7	3.5	3.7	2.9	3.0	2.4	2.0	1.8	1.4	1.6	1.3	1.4
Hallucinogens other than LSD	8.5	7.0	6.7	5.2	3.2	3.3	2.8	3.1	2.9	2.9	3.1	2.8	2.9	3.4	3.1
MDMA (Ecstasy, Molly)	2.9	3.2	2.9	4.7	3.9	3.8	3.7	4.9	4.2	‡ 4.8	3.8	3.8	3.4	3.1	2.9
Cocaine	5.3	5.5	5.8	6.7	6.3	7.0	6.5	6.5	5.5	6.0	4.0	4.4	5.0	5.2	5.6
Amphetamines	4.5	5.4	5.6	6.3	6.2	7.8	7.5	7.0	7.2	7.8	7.3	7.2	6.7	6.4	5.3
Methamphetamine	0.4	0.8	0.5	1.0	0.9	1.5	0.9	0.9	0.8	0.8	0.8	1.1	0.7	0.9	0.8
Heroin	0.0	0.2	0.4	0.3	0.3	0.4	0.5	0.6	0.6	0.5	0.7	0.5	0.6	0.5	0.6
Narcotics other than Heroin	1.3	1.8	2.1	2.5	3.3	3.8	4.6	5.7	5.8	6.7	7.6	7.6	8.2	9.2	8.9
Oxycontin	1.5	1.4	1.8	2.2	1.9	1.9	2.0	2.2	2.5	2.6	2.6	2.1	2.7	3.2	4.6
Vicodin	0.7	1.7	1.3	1.7	1.9	2.8	2.8	3.0	4.0	6.1	6.3	6.8	7.1	8.6	10.2
Sedatives / Barbiturates	1.0	1.4	1.5	1.8	2.1	2.8	2.5	2.8	2.9	3.5	3.4	2.8	3.3	3.4	3.8
Tranquilizers	2.1	2.2	3.2	3.1	3.7	4.4	4.9	5.4	5.3	5.3	5.6	5.5	6.1	6.2	6.6
Any Prescription Drug (non-medical use)	7.0	8.0	8.8	9.7	10.4	12.7	13.0	12.9	13.3	15.0	15.6	14.5	15.0	15.5	14.8

Source: Patrick, M. E., Miech, R. A., Johnston, L. D., & O'Malley, P. M. (2024). Monitoring the Future Panel Study annual report: National data on substance use among adults ages 19 to 65, 1976-2023. Monitoring the Future Monograph Series. Ann Arbor, MI: Institute for Social Research, University of Michigan.

## MONITORING THE FUTURE SURVEY: U.S. ADULTS AGES 35-50

DAILY USE DURING PAST 30 DAYS (%)	2023	2022	2021	2020	2019	2018	2017	2016	2015	2014	2013	2012	2011	2010	2009
Alcohol	7.6	8.5	8.6	12.0	8.6	9.5	9.7	8.4	9.6	8.6	9.0	9.1	8.9	8.2	8.8
Cigarettes	7.8	9.0	8.0	9.8	9.5	9.9	11.0	11.4	12.2	13.0	13.3	13.4	14.7	16.5	14.9
Marijuana	7.5	6.5	6.6	5.9	4.3	4.3	3.9	3.4	3.7	3.0	2.7	3.0	2.8	2.6	2.0

PAST 2-WEEK USE (%)	2023	2022	2021	2020	2019	2018	2017	2016	2015	2014	2013	2012	2011	2010	2009
5+ Drinks in a Row in Past 2 Weeks*	27.0	29.2	25.7	25.4	25.7	24.8	25.2	24.3	23.9	24.5	23.6	22.8	22.8	22.5	22.4

PAST 30-DAY USE (%)	2023	2022	2021	2020	2019	2018	2017	2016	2015	2014	2013	2012	2011	2010	2009
Alcohol	69.1	71.3	70.5	69.1	71.0	68.8	70.5	68.3	67.9	68.9	67.7	68.1	67.4	68.2	66.7
Cigarettes	10.2	12.2	11.0	12.1	12.3	12.9	13.5	14.9	15.3	16.4	16.9	16.0	17.6	19.4	17.7
Vaping Nicotine	5.4	5.2	5.1	2.8	4.1										
Marijuana	19.2	17.3	15.9	13.8	12.8	12.1	10.5	9.3	9.6	8.6	8.3	7.6	7.8	7.5	7.0
Vaping Marijuana	6.3	6.3	5.4	4.8	6.0										
Any Drug other than Marijuana	4.7	5.5	5.4	4.8	5.4	5.3	5.0	5.5	5.7	5.1	5.3	5.4	5.3	5.6	5.6

PAST 12-MONTH USE (%)	2023	2022	2021	2020	2019	2018	2017	2016	2015	2014	2013	2012	2011	2010	2009
Alcohol	83.9	84.8	83.5	85.5	84.2	84.0	84.0	83.6	83.1	85.0	82.5	83.4	83.7	83.2	83.1
Cigarettes	16.2	16.6	15.3	17.4	16.6	18.0	17.6	19.2	20.4	20.9	21.3	20.1	21.5	23.2	22.1
Vaping Nicotine	7.0	6.7	6.4	5.8	7.0										
Marijuana	29.3	27.9	24.8	22.6	20.8	19.0	17.3	14.9	15.8	14.3	14.3	13.1	12.7	13.0	11.9
Vaping Marijuana	8.7	9.0	7.5	8.1	8.2										
Any Drug other than Marijuana	11.3	11.9	11.0	10.0	10.6	12.1	11.0	11.2	12.0	10.7	10.6	11.3	11.1	11.2	11.2
Hallucinogens	4.2	4.1	2.3	2.0	1.1	1.4	1.0	0.7	0.9	0.6	0.6	0.5	0.7	0.7	0.5
Cocaine	2.9	2.9	2.7	2.7	2.7	2.7	2.5	2.3	2.6	2.0	2.5	1.8	2.1	2.4	2.9
Amphetamines	2.6	3.2	2.7	2.4	2.6	2.1	2.0	2.1	1.9	1.5	1.5	1.1	1.1	0.9	1.3
Heroin	0.2	0.3	0.3	0.1	0.3	0.2	0.2	0.3	0.2	0.3	0.3	0.1	0.1	0.2	0.2
Narcotics other than Heroin	2.7	3.1	3.3	2.7	3.4	4.7	4.3	5.3	4.6	4.6	4.4	4.9	4.9	5.3	4.8
Sedatives / Barbiturates	2.0	2.2	2.1	2.2	1.9	2.5	2.4	1.9	2.7	2.8	2.6	2.7	2.8	2.8	3.1
Tranquilizers	3.4	3.6	4.0	3.3	3.8	4.0	3.9	3.7	4.0	4.3	4.0	3.8	4.0	4.0	3.8
Any Prescription Drug (non-medical use)	7.7	8.3	8.6	7.8	8.8	10.1	9.4	9.8	10.2	9.4	8.9	10.0	9.7	9.8	9.6

\* Binge alcohol use in the Monitoring the Future Survey is defined as consuming 5 or more drinks on the same occasion on at least one day in the past two weeks.

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