

2021 Montana Youth Risk Behavior Survey



Vaping Report

Health Risk Behaviors of Students
Who Currently Use an Electronic Vapor Product



Youth Risk Behavior Survey Program
Coordinated School Health Unit
October 2021

2021 Montana Youth Risk Behavior Survey – Vaping Report

Montana Youth Risk Behavior Survey

The Montana Youth Risk Behavior Survey (YRBS) is administered by the Montana Office of Public Instruction every two years to students in grades 7 through 12. The purpose of the survey is to help monitor the prevalence of behaviors that not only influence youth health, but also put youth at risk for the most significant health and social problems that can occur during adolescence. While all schools in Montana can participate in the survey on a volunteer basis, approximately 50 high schools are randomly selected to be included to provide the Montana statewide data to be used in other national YRBS reports.

The 2021 YRBS was conducted in February-March 2021. Schools administering the survey were provided with detailed written instructions on conducting a random survey in their schools. To encourage accurate responses to sensitive questions, a strict protocol was implemented to protect the privacy and confidentiality of all participating students. The questionnaire was designed without skip patterns to ensure survey completion by students in a similar period of time.

Survey Validity, Limitations and Results

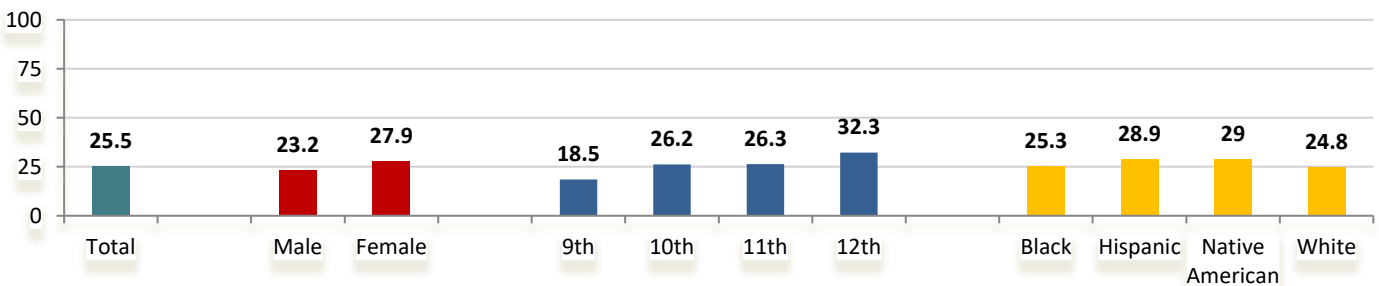
Data used in this report from the 2021 YRBS are based on a random sample survey of Montana high school students. The weighted data results contained in this report can be used to make inferences about the priority health-risk behaviors of all high school students in grades 9 through 12 in all schools in Montana.

For the purpose of this report, students who currently vape are those who reported using an electronic vapor product during the past 30 days (responses B thru G). Fifty-three separate risk behaviors were queried for association with students who vape. These findings are presented in bullet, table, and graph forms in the following report.

37. During the past 30 days, on how many days did you use an electronic vapor product?	
A. 0 days	74.5
B. 1 or 2 days	5.5
C. 3 to 5 days	3.5
D. 6 to 9 days	2.4
E. 10 to 19 days	3.6
F. 20 to 29 days	3.7
G. All 30 days	6.7

CURRENT ELECTRONIC VAPOR PRODUCT USE

Statewide, 25.5 percent of students used an electronic vapor product on one or more of the past 30 days.



For more on the Montana YRBS go to www.opi.mt.gov/yrbs.

2021 Montana Youth Risk Behavior Survey – Vaping Report

Findings

Montana high school students who currently vape are more likely than those students who do not currently vape to have:

- Not always worn a seat belt when riding in a car driven by someone else (66% of students who currently vape compared to 38% of students who do not currently vape).
- Never or rarely wore a seat belt when driving a vehicle (14% of students who currently vape compared to 4% of students who do not currently vape).
- Rode with a driver who had been drinking alcohol during the past 30 days (38% of students who currently vape compared to 14% of students who do not currently vape).
- Drove when drinking alcohol during the past 30 days (21% of students who currently vape compared to 2% of students who do not currently vape).
- Texted or emailed while driving the past 30 days (78% of students who currently vape compared to 48% of students who do not currently vape).
- Used the Internet or apps on their cell phone while driving during the past 30 days (70% of students who currently vape compared to 43% of students who do not currently vape).
- Carried a weapon such as a gun, knife, or club on school property during the past 30 days (13% of students who currently vape compared to 7% of students who do not currently vape).
- Not gone to school because they felt unsafe at school or on their way to or from school during the past 30 days (10% of students who currently vape compared to 5% of students who do not currently vape).
- Been threatened or injured with a weapon on school property during the past 12 months (10% of students who currently vape compared to 4% of students who do not currently vape).
- Ever been physically forced to have sexual intercourse when they did not want to (21% of students who currently vape compared to 7% of students who do not currently vape).
- Experienced sexual dating violence, such as unwanted kissing, touching, or sexual intercourse, by someone they were dating, during the past 12 months (14% of students who currently vape compared to 5% of students who do not currently vape).
- Been bullied on school property during the past 12 months (22% of students who currently vape compared to 13% of students who do not currently vape).
- Been electronically bullied (texting, Instagram, Facebook, or other social media) during the past 12 months (27% of students who currently vape compared to 12% of students who do not currently vape).
- Been the victim of teasing or name calling because someone thought they were gay, lesbian, or bisexual during the past 12 months (18% of students who currently vape compared to 12% of students who do not currently vape).
- Felt so sad or hopeless almost every day for 2 or more weeks in a row that they stopped doing usual activities during the past 12 months (60% of students who currently vape compared to 35% of students who do not currently vape).
- Made a plan about how they would attempt suicide during the past 12 months (30% of students who currently vape compared to 14% of students who do not currently vape).
- Attempted suicide during the past 12 months (21% of students who currently vape compared to 6% of students who do not currently vape).
- Ever tried cigarette smoking (64% of students who currently vape compared to 27% of students who do not currently vape).
- Smoked a cigarette during the past 30 days (23% of students who currently vape compared to 7% of students who do not currently vape).
- Ever tried cigarette smoking (64% of students who currently vape compared to 14% of students who do not currently vape).
- Currently smoked cigarettes during the past 30 days (25% of students who currently vape compared to 1% of students who do not currently vape).

2021 Montana Youth Risk Behavior Survey – Vaping Report

Montana high school students who currently vape are more likely than those students who do not currently vape to have:

- Used smokeless tobacco during the past 30 days (16% of students who currently vape compared to 1% of students who do not currently vape).
- Smoked cigars, cigarillos, or little cigars during the past 30 days (15% of students who currently vape compared to 1% of students who do not currently vape).
- Had a drink of alcohol during the past 30 days (72% of students who currently vape compared to 17% of students who do not currently vape).
- Had 4 or more drinks, if female, 5 or more drinks, if male, of alcohol within a couple hours during the past 30 days [binge drink] (49% of students who currently vape compared to 6% of students who do not currently vape).
- Ever used marijuana in their lifetime (84% of students who currently vape compared to 19% of students who do not currently vape).
- Used marijuana during the past 30 days (56% of students who currently vape compared to 6% of students who do not currently vape).
- Ever took prescription pain medication without a doctor's prescription or differently than how a doctor told them to use it (such as codeine, Vicodin, OxyContin, Hydrocodone, and Percocet) (24% of students who currently vape compared to 8% of students who do not currently vape).
- Ever used methamphetamines in their lifetime (4% of students who currently vape compared to 1% of students who do not currently vape).
- Ever used ecstasy in their lifetime (12% of students who currently vape compared to 1% of students who do not currently vape).
- Ever had sexual intercourse in their lifetime (76% of students who currently vape compared to 28% of students who do not currently vape).
- Had sexual intercourse with four or more persons during their life (27% of students who currently vape compared to 5% of students who do not currently vape).
- Had sexual intercourse during the past 3 months (58% of students who currently vape compared to 19% of students who do not currently vape).
- Tried to lose weight (50% of students who currently vape compared to 38% of students who do not currently vape).
- Drank a can, bottle, or glass of soda or pop daily during the past 7 days (15% of students who currently vape compared to 11% of students who do not currently vape).
- Not drank milk during the past 7 days (32% of students who currently vape compared to 25% of students who do not currently vape).
- Not eaten breakfast during the past 7 days (23% of students who currently vape compared to 14% of students who do not currently vape).
- Spent 3 or more hours on screen time on an average school day (77% of students who currently vape compared to 71% of students who do not currently vape).
- Experienced homelessness during the past 30 days (6% of students who currently vape compared to 2% of students who do not currently vape).
- Slept away from parents or guardians because they were kicked out, ran away, or were abandoned during the past 30 days (8% of students who currently vape compared to 3% of students who do not currently vape).




















2021 Montana Youth Risk Behavior Survey – Vaping Report

65

















Montana high school students who currently vape are *less likely* than those students who do not currently vape to have:

- Used a condom during last sexual intercourse (42% of students who currently vape compared to 63% of students who do not currently vape).
- Been physically active at least 60 minutes per day on 5 or more of the past 7 days (46% of students who currently vape compared to 54% of students who do not currently vape).
- Got 8 or more hours of sleep on an average school night (21% of students who currently vape compared to 32% of students who do not currently vape).
- Made mostly A's or B's in school during the past 12 months (63% of students who currently vape compared to 78% of students who do not currently vape).









2021 Montana Youth Risk Behavior Survey – Vaping Report

Health Risk Behavior by percentage of students	Students Who Currently Vape	Students Who Do Not Currently Vape	Statistical Difference
Did not always wear a seat belt when riding in a car driven by someone else	66.4% (62.5-70.2)	38.0% (35.2-40.7)	
Never or rarely wore a seat belt when driving	13.9% (11.3-16.6)	3.6% (2.9-4.3)	
Rode with a driver who had been drinking during the past 30 days	38.3% (35.1-41.6)	14.2% (12.7-15.8)	
Drove when drinking alcohol during the past 30 days	21.2% (18.6-23.8)	1.8% (1.2-2.3)	
Texted or e-mailed while driving a car or other vehicle during the past 30 days	77.7% (74.6-80.7)	47.7% (44.5-50.8)	
Used the Internet or apps on their cell phone while driving during the past 30 days	69.6% (66.4-72.9)	42.6% (39.7-45.5)	
Carried a weapon such as a gun, knife, or club on school property, past 30 days	13.3% (11.3-15.3)	7.0% (5.7-8.2)	
Did not go to school because they felt unsafe at school or on their way to or from school during the past 30 days	9.9% (8.1-11.7)	4.8% (4.0-5.6)	
Were threatened or injured with a weapon on school property during the past 12 months	9.6% (7.5-11.6)	4.2% (3.2-5.2)	
Ever physically forced to have sexual intercourse when they did not want to	21.1% (18.0-24.1)	7.2% (6.3-8.1)	
Experienced sexual dating violence (unwanted kissing, touching, or sexual intercourse by someone they were dating), past 12 months	14.1% (11.8-16.5)	5.2% (4.1-6.3)	
Were bullied on school property during the past 12 months	21.5% (17.8-25.2)	13.3% (11.9-14.7)	
Were electronically bullied (texting, Instagram, Facebook, or other social media) during the past 12 months	27.3% (24.5-30.1)	12.2% (11.0-13.4)	
Were the victim of teasing or name calling because someone thought they were gay, lesbian, or bisexual during the past 12 months	18.3% (15.6-21.1)	11.6% (10.2-13.0)	
Felt sad or hopeless almost every day for 2 or more weeks in a row during the past 12 months	60.4% (56.8-64.1)	34.5% (32.2-36.8)	
Made a plan about how they would attempt suicide during the past 12 months	30.2% (27.0-33.5)	13.6% (12.1-15.1)	
Attempted suicide during the past 12 months	21.2% (17.3-25.0)	6.3% (5.2-7.4)	
Ever tried cigarette smoking	63.6% (59.8-67.4)	14.0% (11.9-16.0)	
Currently smoked cigarettes, past 30 days	24.8% (21.1-28.6)	1.3% (0.5-2.1)	

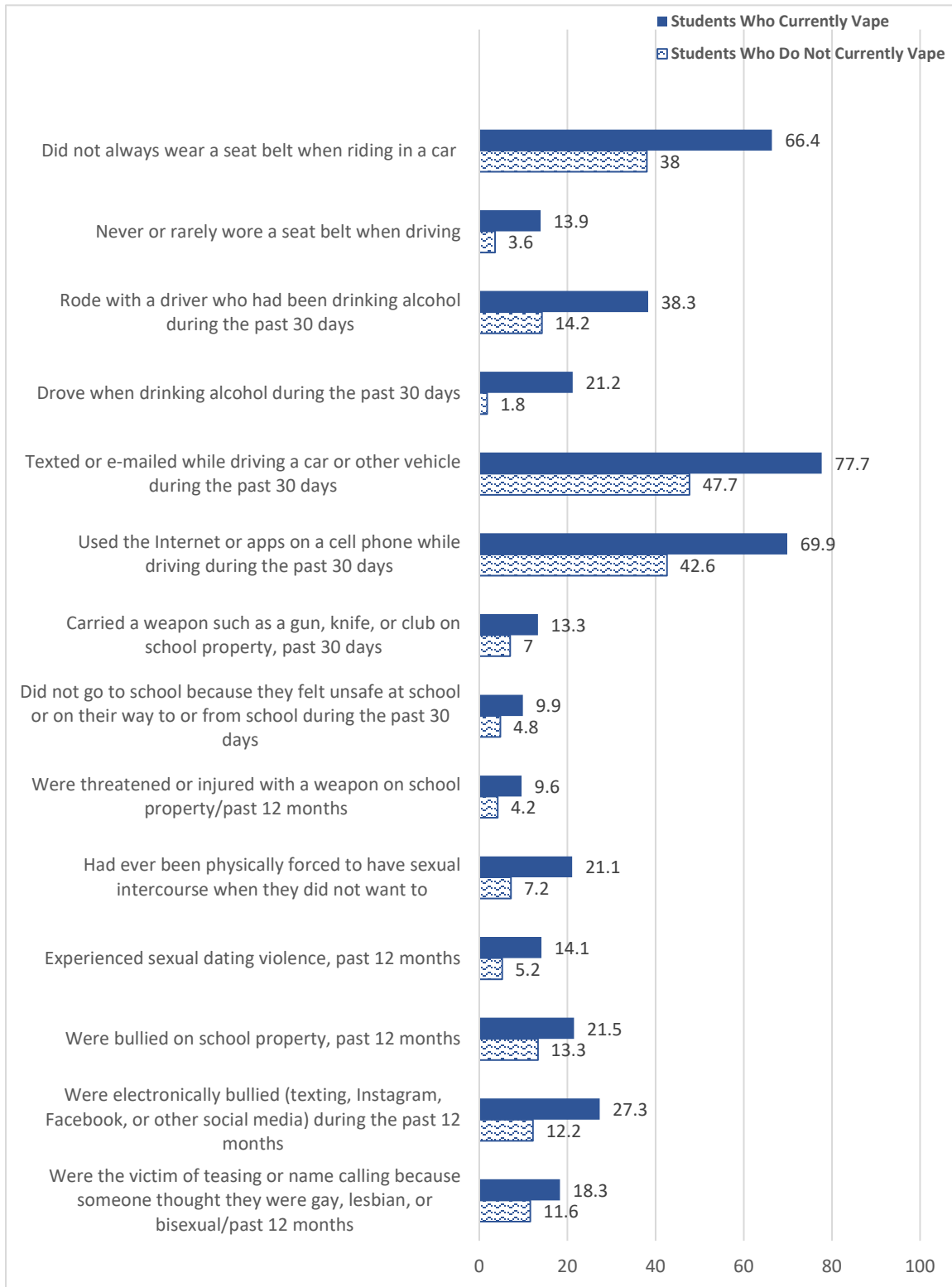
2021 Montana Youth Risk Behavior Survey – Vaping Report

Health Risk Behavior by percentage of students	Students Who Currently Vape	Students Who Do Not Currently Vape	Statistical Difference
Currently used smokeless tobacco (chewing tobacco, snuff, or dip), past 30 days	16.1% (13.6-18.6)	1.3% (0.9-1.8)	
Currently smoked cigars, cigarillos, or little cigars, past 30 days	15.3% (12.3-18.3)	0.7% (0.4-1.0)	
Currently drank alcohol, past 30 days	72.3% (69.1-75.5)	16.5% (14.8-18.2)	
Binge drinking - 4 or more drinks, if female, 5 or more drinks, if male, of alcohol within a couple hours during the past 30 days	48.6% (44.8-52.5)	5.6% (4.7-6.5)	
Ever used marijuana in their lifetime	84.1% (81.9-86.4)	19.1% (16.8-21.5)	
Currently used marijuana, past 30 days	56.2% (53.0-59.5)	6.2% (4.9-7.6)	
Ever took prescription pain medicine without a doctor's prescription or differently than how a doctor told them to use it (codeine, Vicodin, OxyContin, Hydrocodone and Percocet)	23.5% (20.8-26.2)	7.6% (6.4-8.8)	
Ever used methamphetamines in their lifetime	4.2% (2.6-5.8)	0.8% (0.5-1.1)	
Ever used ecstasy in their lifetime	12.3% (10.2-14.3)	1.2% (0.8-1.6)	
Ever had sexual intercourse in their lifetime	75.6% (72.2-79.0)	27.9% (25.4-30.3)	
Had sexual intercourse with four or more persons during their life	26.5% (23.8-29.1)	4.7% (3.7-5.6)	
Currently sexually active (sexual intercourse during the past 3 months)	57.6% (54.1-61.2)	19.3% (17.3-21.2)	
Drank alcohol or used drugs before last sexual intercourse	27.5% (23.3-31.8)	8.1% (5.3-10.9)	
Used a condom during last sexual intercourse	42.0% (37.8-46.2)	62.5% (57.8-67.2)	
Have obesity (at or above the 95 th percentile for body mass index)	10.8% (8.8-12.8)	12.1% (10.5-13.8)	
Were overweight (at or above the 85 th percentile but below the 95 th percentile for body mass index)	14.9% (12.4-17.4)	13.8% (12.5-15.2)	
Were trying to lose weight	49.9% (46.9-52.9)	38.0% (35.7-40.2)	
Did not drink 100% fruit juice during the past 7 days	31.4% (28.2-34.6)	35.8% (34.0-37.6)	
Did not eat fruit during the past 7 days	10.7% (8.6-12.8)	10.3% (9.2-11.4)	
Did not eat vegetables during the past 7 days	5.6% (4.1-7.1)	5.1% (4.3-6.0)	
Drank a can, bottle, or glass of soda or pop daily during the past 7 days	15.3% (13.0-17.6)	10.7% (9.5-11.9)	

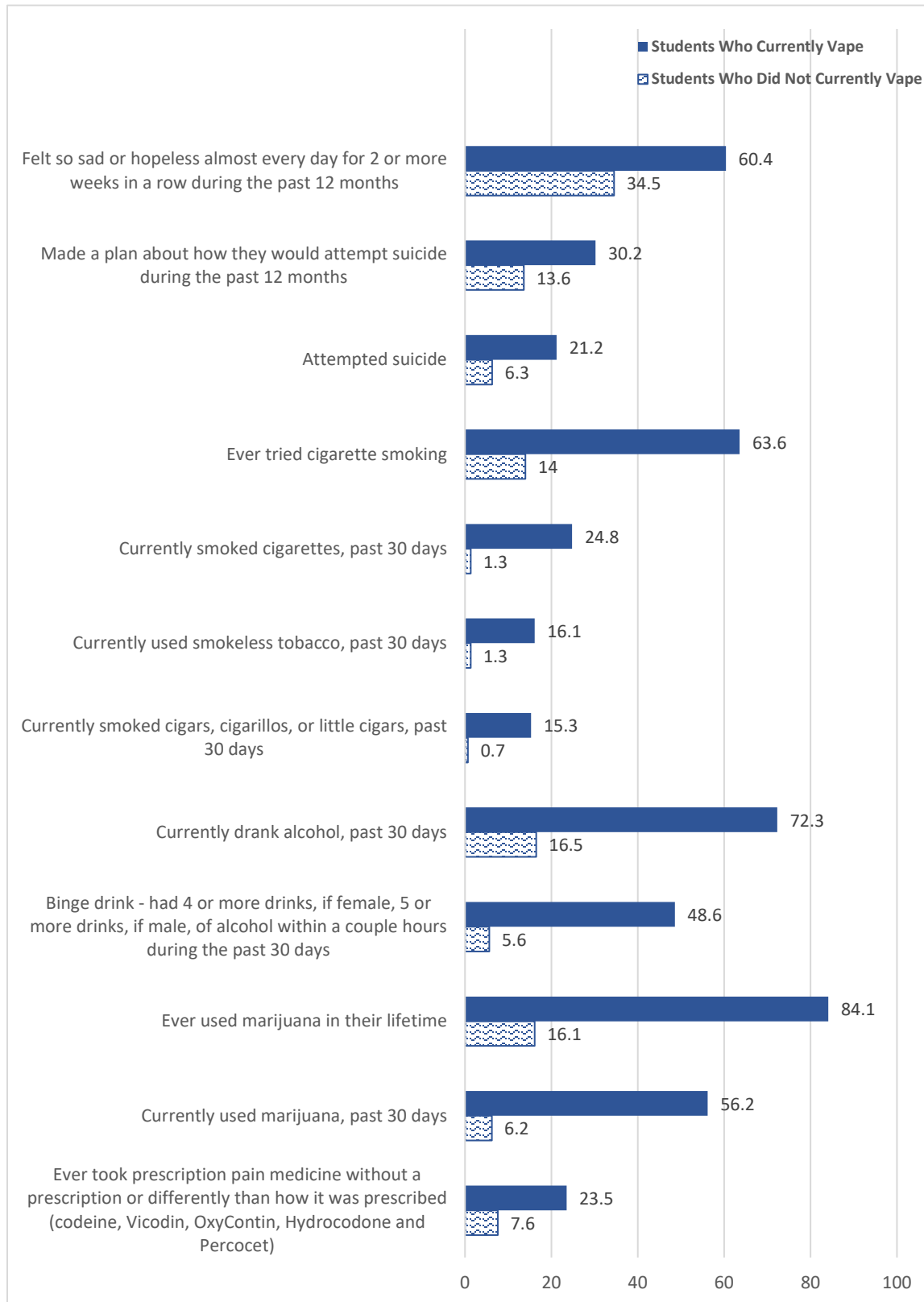
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Did not drink milk during the past 7 days	31.6% (28.4-34.8)	24.5% (22.6-26.5)	
Did not eat breakfast during the past 7 days	22.7% (19.9-25.5)	14.4% (13.0-15.7)	
Were physically active at least 60 minutes per day on 5 or more of the past 7 days	45.9% (42.1-49.7)	54.3% (51.6-57.0)	
Were not physically active at least 60 minutes per day on any of the past 7 days	11.4% (9.5-13.3)	11.2% (9.9-12.5)	
Spent 3 or more hours per day on screen time (TV, computer, smart phone, or other electronic device watching shows or videos, playing games, accessing the Internet, or using social media, <i>not counting time doing schoolwork</i>) on an average school day	77.0% (74.5-79.5)	71.1% (69.2-72.9)	
Played on at least one sports team during the past 12 months	59.0% (54.5-63.5)	58.9% (56.6-61.2)	
Got 8 or more hours of sleep on an average school night	21.0% (18.3-23.7)	31.7% (29.6-33.7)	
Experienced homelessness (not usually sleeping in their parent's or guardian's home) during the past 30 days	5.9% (4.3-7.6)	1.9% (1.4-2.4)	
Slept away from parents or guardians because they were kicked out, ran away, or were abandoned during the past 30 days	7.8% (6.2-9.4)	2.7% (2.1-3.4)	
Made mostly A's or B's in school during the past 12 months	62.6% (58.5-66.7)	78.2% (75.3-81.1)	
Received help from a resource teacher, speech therapist, or other special education teacher during the past 12 months	16.4% (14.2-18.7)	13.3% (11.9-14.8)	

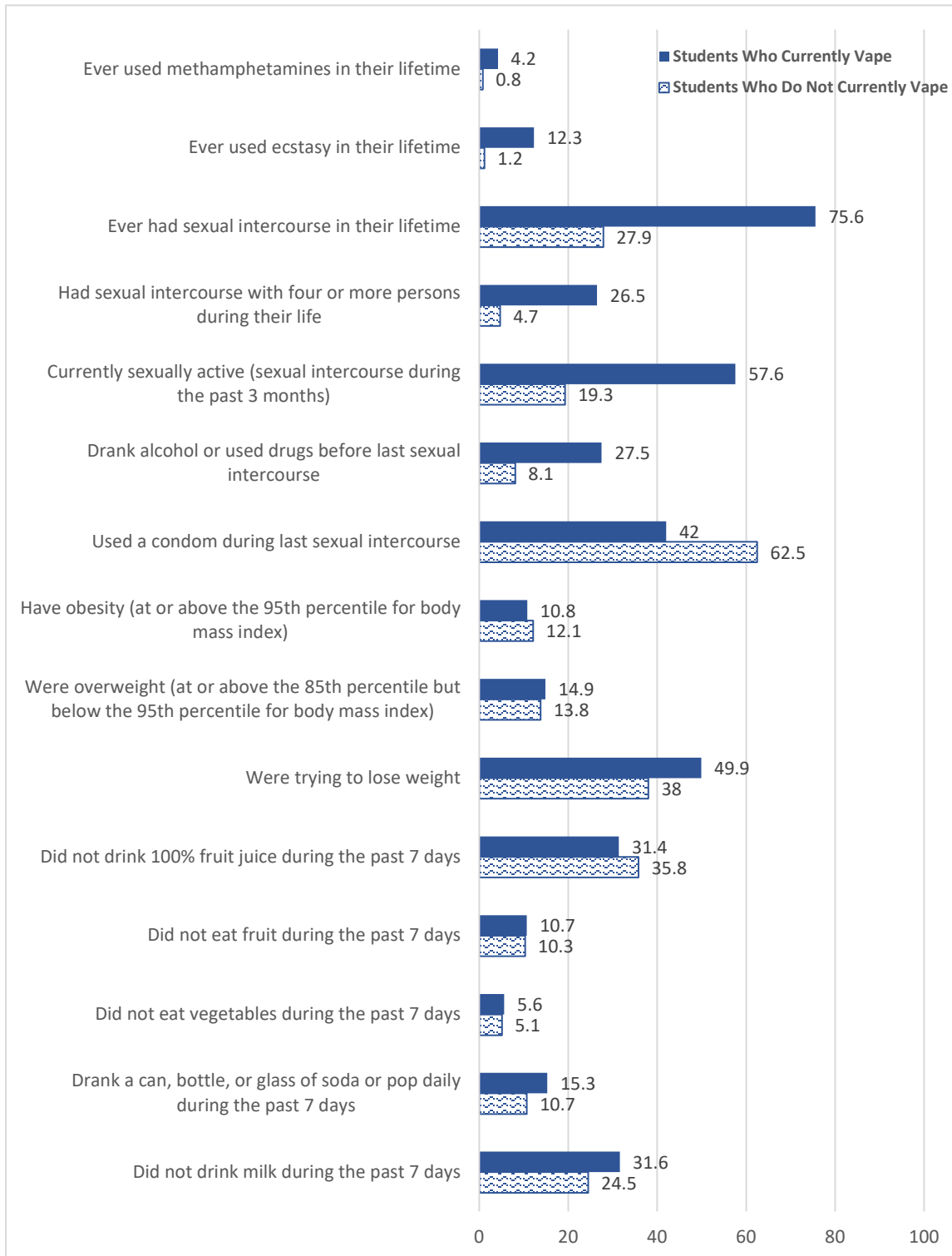
2021 Montana Youth Risk Behavior Survey – Vaping Report



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