

Nevada MPAC Prioritization

In February 2020, the Nevada MPAC conducted an initial prioritization of substance use data based on the *Substance Abuse Prevention and Treatment Agency 2019 Epidemiologic Profile*. This process divided consumption patterns and consequences of substance misuse among various populations into three tiers based on level of concern. Using an updated *Bureau of Behavioral Health Wellness and Prevention 2020 Epidemiologic Profile* (epi profile), the MPAC will further refine Tier 1 data using an established process recommended by SAMHSA as part of Step 1: Assessment of the Strategic Prevention Framework (SPF). Various criteria can be used to review data and determine a narrower set of priorities to better maximize limited prevention resources and focus efforts. Three criteria for Nevada's prioritization process are recommended:

- **Magnitude:** How *large*, overall, is the problem based on your data?
- **Time trends:** Is the problem increasing, decreasing, or stable *over time*?
- **Comparisons:** Is the problem better, worse, or the same as either a *comparison state or a national-level data*?
- **Severity:** How serious are the consequences of misuse, and how widespread are these consequences?

According to SAMHSA's SPF model, the goal of the process is to identify 1-3 priority substance-related consequences or consumption patterns, and the population most experiencing that problem to best leverage limited resources and apply them in the most needed areas. The remaining data will continue to be monitored to determine if they become a greater priority over time.

The following data tables include data related to Tier 1 priorities as established at the February 2020 MPAC meeting. Some additional data related to alcohol were also included for comparison purposes, given that alcohol continues to be of national concern despite a meaningful decrease in underage drinking over the last two decades. These data were abstracted and re-organized from the most recent 2020 epi profile, as well as the most recent state reports for the Nevada Youth Risk Behavior Survey (YRBS) and Nevada Behavior Risk Factor Surveillance System (BRFSS) when certain data points were not found explicitly in the state epi profile. The data are further organized by prioritization criteria and population (e.g., Middle School, High School, and Adult (including LGBTQ+ populations where available)). Not all data are available to fully examine time trends and comparisons as some data are not collected in each survey administration.

Magnitude Data

Magnitude Data—Middle School

Substance	Construct/Data Indicator	<i>Most Recent Nevada Data</i>	Rank Order of Magnitude/ Size	High, Moderate, Small Range
Marijuana	Current/30-Day Use (YRBS)	7.9%	10	Low
Marijuana	Lifetime Use/Ever Used (YRBS)	13.4%	5	Moderate
Marijuana	Driving Under the Influence/Ever rode in a car with someone who was using (YRBS)	18.6%	4	Moderate
Vaping Products	Current/30-Day Use (YRBS)	12.0%	7	Moderate
Vaping Products	Early Initiation/Use before age 11 (YRBS)	3.6%	11	Low
Vaping Products	Lifetime Use/Ever Used (YRBS)	22.4%	3	High
Prescription Drugs	Lifetime Use/Ever Used (YRBS)	10.3%	9	Moderate
Alcohol	Driving Under the Influence/Ever rode in a car with someone who was using (YRBS)	24.6%	2	High
Alcohol	Lifetime Use/Ever Used (YRBS)	29.2%	1	High
Alcohol	Early Initiation/Use before age 11 (YRBS)	13.2%	6	Moderate
Alcohol	Current/30-Day Use (YRBS)	11.7%	8	Moderate

Magnitude Data—High School

Substance	Construct/Data Indicator	Most Recent Nevada Data	Rank Order of Magnitude/ Size	High, Moderate, Small Range
Marijuana	Current/30-Day Use (YRBS)	18.8%	6	Moderate
Marijuana	Lifetime Use/Ever Used (YRBS)	35.4%	3	High
Vaping Products	Current/30-Day Use (YRBS)	22.5%	5	High
Vaping Products	Early Initiation/Use before age 13 (YRBS)	7.5%	11	Low
Vaping Products	Lifetime Use/Ever Used (YRBS)	43.5%	2	High
Prescription Drugs	Lifetime Use/Ever Used (YRBS)	18.8%	6	Moderate
Alcohol	Lifetime Use/Ever Used (excluding religious purposes) (YRBS)	56.9%	1	High
Alcohol	Early Initiation/Use before age 13 (YRBS)	17.1%	8	Moderate
Alcohol	Current/30-Day Use (YRBS)	23.9%	4	High
Alcohol	Participated in binge drinking during the 30 days before the survey (YRBS)	11.5%	10	Moderate
Alcohol	Ever rode in a car with someone who was drinking (YRBS)	14.3%	9	Moderate
Alcohol	Drove a car when they had been drinking (YRBS)	3.2%	12	Low

Magnitude Data—Adult Populations

Substance	Population	Construct/Data Indicator	<i>Most Recent Nevada Data</i>	Rank Order of Magnitude/ Size	High, Moderate, Small Range
Marijuana	Adult	Current /30-Day Use (BRFSS)	17.4%	3	Moderate
Marijuana	LGBTQ	Current /30-Day Use (BRFSS)	33.0%	1	High
E-cigarettes	Adult	Current /30-Day Use (BRFSS)	6.1%*	7	Low
E-cigarettes	LGBTQ	Current /30-Day Use (BRFSS)	13.6%*	5	Moderate
Cigarettes	LGBTQ	Current /30-Day Use (BRFSS)	22.0%*	2	High
Alcohol	Adult	Binge drinkers (BRFSS)	15.0%	4	Moderate
Alcohol	Adult	Heavy drinkers (BRFSS)	6.4%	6	Low
Painkillers	Adult	Used Painkillers to Get High (BRFSS)	>1.5%	8	Low

*2018 data, no 2019 data available

Time Trend Data

Time Trends—Middle School

Substance	Construct/Data Indicator	2015	2017	2019	Decreasing, stable, or increasing*
Marijuana	Current/30-Day Use (YRBS)	3.8%	5.2%	7.9%	↗
Marijuana	Lifetime Use/Ever Used (YRBS)	10.2%	9.9%	13.4%	↗
Marijuana	Driving Under the Influence/Ever rode in a car with someone who was using (YRBS)	--	13.3%	18.6%	↗
Vaping Products	Current/30-Day Use (YRBS)	11.3%	6.7%	12.0%	↗
Vaping Products	Early Initiation/Use before age 11 (YRBS)	--	5.1%	3.6%	→
Vaping Products	Lifetime Use/Ever Used (YRBS)	26.7%	18.6%	22.4%	↗
Prescription Drugs	Lifetime Use/Ever Used (YRBS)	--	6.8%	10.3%	↗
Alcohol	Driving Under the Influence/Ever rode in a car with someone who was using (YRBS)	22.5%	21.9%	24.6%	↗
Alcohol	Lifetime Use/Ever Used (YRBS)	29.4%	27.4%	29.2%	→
Alcohol	Early Initiation/Use before age 11 (YRBS)	11.3%	13.0%	13.2%	→
Alcohol	Current/30-Day Use (YRBS)	10.3%	9.2%	11.7%	↗


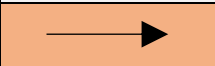


*based on statistical significance between 2017 and 2019

Time Trends—High School

Substance	Construct/Data Indicator	2015	2017	2019	Decreasing, stable, or increasing*
Marijuana	Current/30-Day Use (YRBS)	19.6%	19.7%	18.8%	→
Marijuana	Lifetime Use/Ever Used (YRBS)	39.4%	36.6%	35.4%	→
Vaping Products	Current/30-Day Use (YRBS)	26.1%	15.0%	22.5%	↗
Vaping Products	Early Initiation/Use before age 13 (YRBS)	--	6.6%	7.5%	→
Vaping Products	Lifetime Use/Ever Used (YRBS)	50.9%	42.6%	43.5%	→
Prescription Drugs	Lifetime Use/Ever Used (YRBS)	--	14.8%	18.8%	↗
Alcohol	Lifetime Use/Ever Used (excluding religious purposes) (YRBS)	64.0%	60.6%	56.9%	↘
Alcohol	Early Initiation/Use before age 13 (YRBS)	18.0%	17.6%	17.1%	→
Alcohol	Current/30-Day Use (YRBS)	30.6%	26.4%	23.9%	→
Alcohol	Participated in binge drinking during the 30 days before the survey (YRBS)	--	14.6%	11.5%	↘
Alcohol	Ever rode in a car with someone who was drinking (YRBS)	21.4%	17.0%	14.3%	↘
Alcohol	Drove a car when they had been drinking (YRBS)	6.9%	6.0%	3.2%	↘

*based on statistical significance between 2017 and 2019

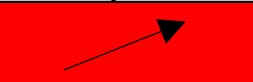
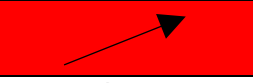
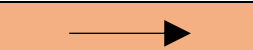
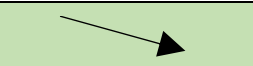
Time Trends—Adult Populations

Substance	Population	Construct/Data Indicator	2017	2018	2019	Decreasing, stable, or increasing*
Marijuana	Adult	Current /30-Day Use (BRFSS)	11.5%	14.3%	17.4%	
Marijuana	LGBTQ	Current /30-Day Use (BRFSS)	--	33.0%	--	unknown
E-cigarettes	Adult	Current /30-Day Use (BRFSS)	5.4%	6.1%	--	unknown
E-cigarettes	LGBTQ	Current /30-Day Use (BRFSS)	--	13.6%	--	unknown
Cigarettes	LGBTQ	Current /30-Day Use (BRFSS)	--	22.0%	--	unknown
Alcohol	Adult	Binge drinkers (BRFSS)	17.9%	15.0%	15.0%	
Alcohol	Adult	Heavy drinkers (BRFSS)	6.2%	5.9%	6.4%	
Painkillers	Adult	Used Painkillers to Get High (BRFSS)	>1.1%	>1.3%	>1.5%	

*based on statistical significance between 2017 and 2019

Comparison Data

Comparison Data—Middle School

Substance	Construct/Data Indicator	Nevada 2019	United States 2019	Difference	Below, Similar, or Above Comparison
Marijuana	Current/30-Day Use (YRBS)	7.9%	3.8%	+4.1	
Marijuana	Lifetime Use/Ever Used (YRBS)	13.4%	10.2%	+3.2%	
Marijuana	Driving Under the Influence/Ever rode in a car with someone who was using (YRBS)	18.6%	--	--	unknown
Vaping Products	Current/30-Day Use (YRBS)	12.0%	11.3%	+0.7%	
Vaping Products	Early Initiation/Use before age 11 (YRBS)	3.6%	--	--	unknown
Vaping Products	Lifetime Use/Ever Used (YRBS)	22.4%	26.7%	-4.3%	
Prescription Drugs	Lifetime Use/Ever Used (YRBS)	10.3%	--	--	unknown
Alcohol	Driving Under the Influence/Ever rode in a car with someone who was using (YRBS)	24.6%	--	--	unknown
Alcohol	Lifetime Use/Ever Used (YRBS)	29.2%	--	--	unknown
Alcohol	Early Initiation/Use before age 11 (YRBS)	13.2%	--	--	unknown
Alcohol	Current/30-Day Use (YRBS)	11.7%	--	--	unknown

Comparison Data—High School

Substance	Construct/Data Indicator	Nevada 2019	United States 2019	Difference	Below, Similar, or Above Comparison
Marijuana	Current/30-Day Use (YRBS)	18.8%	21.7%	-2.9%	→
Marijuana	Lifetime Use/Ever Used (YRBS)	35.4%	36.8%	-1.4%	↘
Vaping Products	Current/30-Day Use (YRBS)	22.5%	32.7%	-10.2%	↘
Vaping Products	Early Initiation/Use before age 13 (YRBS)	7.5%	5.6%	+1.9%	↗
Vaping Products	Lifetime Use/Ever Used (YRBS)	43.5%	50.1%	-6.6%	↘
Prescription Drugs	Lifetime Use/Ever Used (YRBS)	18.8%	14.3%	+4.5%	↗
Alcohol	Lifetime Use/Ever Used (excluding religious purposes) (YRBS)	56.9%	--	--	unknown
Alcohol	Early Initiation/Use before age 13 (YRBS)	17.3%	15.0%	+2.3%	→
Alcohol	Current/30-Day Use (YRBS)	23.9%	29.2%	-5.3%	→
Alcohol	Participated in binge drinking during the 30 days before the survey (YRBS)	11.5%	13.7%	-2.2%	→
Alcohol	Ever rode in a car with someone who was drinking (YRBS)	14.3%	16.7%	-2.4%	→
Alcohol	Drove a car when they had been drinking (YRBS)	3.2%	5.4%	-2.2%	→

Comparison Data —Adult Populations

Substance	Population	Construct/Data Indicator	Nevada Adult Or LGBTQ	United States Adult Or Nevada Non-LGBTQ	Difference	Below, Similar, or Above Comparison
Marijuana	Adult	Current /30-Day Use (BRFSS)	17.4%	12.6%*		
Marijuana	LGBTQ	Current /30-Day Use (BRFSS)	33.0%*	13.2%*	+19.8%	
E-cigarettes	Adult	Current /30-Day Use (BRFSS)	6.1%	5.4%	+0.7%	
E-cigarettes	LGBTQ	Current /30-Day Use (BRFSS)	13.6%*	5.7%*	+7.9%	
Cigarettes	LGBTQ	Current /30-Day Use (BRFSS)	22.0%*	14.4%*	+7.6%	
Alcohol	Adult	Binge drinkers (BRFSS)	16.8%	16.7%	-0.1%	
Alcohol	Adult	Heavy drinkers (BRFSS)	6.4%	6.4%	0.0%	

*2018 data

Severity

Limited data are available to make meaningful comparisons related to severity or seriousness of substances. For example, one useful measure of severity is “years of potential life lost;” these data are not currently available for this prioritization process. Severity data available are provided below.

Alcohol and Drug-Related Emergency Department (ED) Encounters by Quarter and Year, 2010-2019

Emergency Department (ED) Encounters	2019 Count
Total Alcohol and Drug-Related ED Encounters	67,405
Alcohol-Related ED Encounters (<i>primary</i>) diagnosis	16,979
Drug-Related ED Encounters (<i>primary</i>) diagnosis	10,576
ED Encounters by Drug Type	Rank order*
Methamphetamines**	1
Marijuana**	2
Opioids	3
Cocaine	4
Hallucinogens	5
Heroin	6

*Exact numbers excluded from Nevada Epi Profile

**Increased statistically significantly between 2018 and 2019

Inpatient Admissions

Inpatient Admission	Counts
2019 total alcohol and drug-related admissions	54,385
Total alcohol-related admissions	22,953
Total drug-related admissions	38,184
Admissions with alcohol as <i>primary</i> diagnosis	5,489
Admissions with drug as <i>primary</i> diagnosis	3,567
Inpatient Admission by Drug Type	Rank Order*
Marijuana**	1
Methamphetamines**	2
Opioids	3
Cocaine**	4
Heroin	5
Hallucinogens**	6

*Exact numbers excluded from Nevada Epi Profile

**Increased statistically significantly between 2018 and 2019

Treatment Center Data

Treatment	Counts
Other substances	4,530
Methamphetamines	1,436
Alcohol	1,435
Cannabis	927
Heroin	531
Opioids	177
Cocaine/crack	134

Alcohol and/or Drug-Related Deaths and Rates

Age-adjusted Death Rate	Rates per 100,000
2019 total age-adjusted alcohol and/or death rate	54.8
Age-adjusted alcohol death rate	37.6
Age-adjusted drug death rate	20.9

Overdose Deaths of Unintentional/Undetermined Intent	Counts
2019 Total	510
Non-opioids*	609
--Methamphetamines were highest	262
Opioids*	319
--Prescription opioids (excluding methadone) were highest	108
--Heroin/heroin metabolites were next	103
Opioids and Methamphetamines Involved in Unintentional/Undermined Overdose Deaths	%
Opioids (overall)	>50%
Prescription opioids	21%
Heroin	20%
Fentanyl	16%
Methamphetamines	>50%

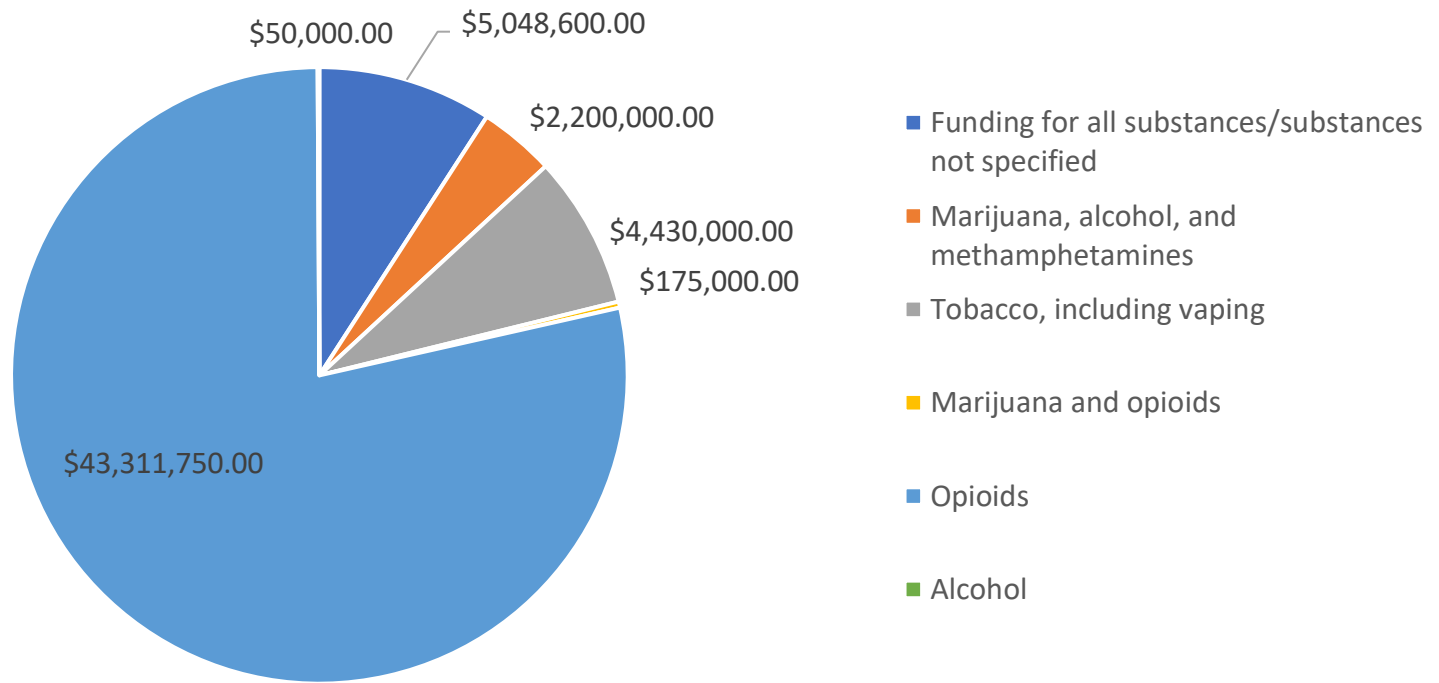
* Counts are not mutually exclusive as more than one substance could be involved

Nevada Funding Allocation

Approximate Dollar Amount by Funding Source and Substance(s) Addressed

Funding Type by Substances Addressed	Approx. Dollar
Funding for all substances/Substances not specified	\$
Block Grant (SAPT)	\$ 3,200,000.00
Substance Abuse Prevention Programming (SAPP)	\$ 1,800,000.00
Misc. City funds	\$ 48,600.00
<i>Subtotal</i>	<i>\$ 5,048,600.00</i>
Tobacco, including vaping	\$
Fund for a Healthy Nevada (FHN)	\$ 845,000.00
Centers for Disease Control and Prevention (CDC)	\$ 500,000.00
Youth Vaping Prevention (SB263)	\$ 2,500,000.00
Centers for Disease Control and Prevention (CDC)	\$ 585,000.00
<i>Subtotal</i>	<i>\$ 4,430,000.00</i>
Opioids	\$
Centers for Disease Control and Prevention (CDC) OD2A	\$ 3,000,000.00
Attorney General Settlement	\$ 28,461,750.00
SOR/STR (2019 allocation)	\$ 10,900,000.00
Resilient 8	\$ 950,000.00
<i>Subtotal</i>	<i>\$ 43,311,750.00</i>
Marijuana, alcohol, and methamphetamines	\$
Strategic Prevention Framework Partnerships for Success (SPF-PFS)	\$ 2,200,000.00
<i>Subtotal</i>	<i>\$ 2,200,000.00</i>
Marijuana and opioids	\$
Drug Free Communities (DFC)	\$ 125,000.00
CARA	\$ 50,000.00
<i>Subtotal</i>	<i>\$ 175,000.00</i>
Alcohol	\$
Sober Truth on Preventing Underage Drinking (STOP)	\$ 50,000.00
<i>Subtotal</i>	<i>\$ 50,000.00</i>
OVERALL TOTAL	\$ 55,215,350.00

Approximate Substance Use Funding Allocations In Nevada



Summary of Magnitude, Time Trend, and Comparison Data by Population

Magnitude/Time Trend/Comparison Data Scoring

The prioritization process uses unweighted scoring, applying these scores based on magnitude (high, moderate, low), time trends (increasing, stable, decreasing), and comparison data (higher than, statistically equal to, lower than). Unknown data was scored as 0 points. Scores reaching a “4” or “5” are moved into the final phase for prioritization.

- High/Increasing/Higher Than = 2 points
- Moderate/Stable/Statistically equal to = 1 point
- Low/Decreasing/Lower Than/Unknown = 0 points

Middle School Summary Scores

Substance	Data Indicator	Magnitude	Time Trends	Comparison Data	Overall
Alcohol	Lifetime Use/Ever Used (YRBS)	High (1)	→	unknown	3
Alcohol	Driving under the influence/Ever rode in a car with someone who was drinking (YRBS)	High (2)	↗	unknown	4
Vaping Products	Lifetime Use/Ever Used (YRBS)	High (3)	↗	↘	4
Marijuana	Driving under the influence/Ever rode in a car with someone who was using (YRBS)	Moderate (4)	↗	unknown	3
Marijuana	Lifetime Use/Ever Used (YRBS)	Moderate (5)	↗	↗	5
Alcohol	Early Initiation/Use before age 11 (YRBS)	Moderate (6)	→	unknown	2
Vaping Products	Current/30-Day Use (YRBS)	Moderate (7)	↗	→	4
Alcohol	Current/30-Day Use (YRBS)	Moderate (8)	↗	unknown	3
Prescription Drugs	Lifetime Use/Ever Used (YRBS)	Moderate (9)	↗	unknown	3
Marijuana	Current/30-Day Use (YRBS)	Low (10)	↗	↗	4
Vaping Products	Early Initiation/Use before age 11 (YRBS)	Low (11)	→	unknown	1

High School Summary Scores

Substance	Data Indicator	Magnitude	Time Trends	Comparison Data	Overall
Alcohol	Lifetime Use/Ever Used (excluding religious purposes) (YRBS)	High (1)		unknown	2
Vaping Products	Lifetime Use/Ever Used (YRBS)	High (2)			3
Marijuana	Lifetime Use/Ever Used (YRBS)	High (3)			3
Alcohol	Current/30-Day Use (YRBS)	High (4)			4
Vaping Products	Current/30-Day Use (YRBS)	High (5)			4
Marijuana	Current/30-Day Use (YRBS)	Moderate (6)*			3
Prescription Drugs	Lifetime Use/Ever Used (YRBS)	Moderate (6)*			5
Alcohol	Early Initiation/Use before age 13 (YRBS)	Moderate (8)			3
Alcohol	Ever rode in a car with someone who was drinking (YRBS)	Moderate (9)			3
Alcohol	Participated in binge drinking during the 30 days before the survey (YRBS)	Moderate (10)			3
Vaping Products	Early Initiation/Use before age 13 (YRBS)	Low (11)			3
Alcohol	Drove a car when they had been drinking (YRBS)	Low (12)			1

*Magnitude was equal for both

Adult Populations Summary Score

Substance	Population	Data Indicator	Magnitude	Time Trends	Comparison Data	Overall
Marijuana	LGBTQ	Current /30-Day Use (BRFSS)	High (1)	unknown		4
Cigarettes	LGBTQ	Current /30-Day Use (BRFSS)	High (2)	unknown		4
Marijuana	Adult	Current /30-Day Use (BRFSS)	Moderate (3)			5
Alcohol	Adult	Binge drinkers (BRFSS)	Moderate (4)			3
E-cigarettes	LGBTQ	Current /30-Day Use (BRFSS)	Moderate (5)	unknown		3
Alcohol	Adult	Heavy drinkers (BRFSS)	Low (6)			2
E-cigarettes	Adult	Current /30-Day Use (BRFSS)	Low (7)	unknown		2

Severity—Rank Order Score

Using Poll Everywhere, MPAC members voted on the rank order of various substances based on the limited severity data and knowledge of more recent trends. The results are presented below. Methamphetamine was ranked as the most severe substance impacting Nevadans, followed by alcohol and fentanyl, which were tied as the second most severe substance impacting Nevadans.

Substance	Rank Order
Alcohol	2
Cannabis/marijuana	4
Cocaine	7
Fentanyl	2
Hallucinogens	8
Heroin	6
Methamphetamines	1
Prescription opioids	5

Overall Summary of Prioritized Data Indicators

The table below shows the data indicators that received a score of a “4” or a “5” for the group’s final consideration.

Population	Substance	Indicator	Score
Middle School	Marijuana	Lifetime Use/Ever Used (YRBS)	5
Middle School	Marijuana	Current/30-Day Use (YRBS)	4
Middle School	Vaping Products	Lifetime Use/Ever Used (YRBS)	4
Middle School	Vaping Products	Current/30-Day Use (YRBS)	4
Middle School	Alcohol	Driving under the influence/ever rode in a car with someone who was drinking (YRBS)	4
High School	Prescription Drugs	Lifetime Use/Ever Used (YRBS)	5
High School	Alcohol	Current/30-Day Use (YRBS)	4
High School	Vaping Products	Current/30-Day Use (YRBS)	4
Adult	Marijuana	Current /30-Day Use (BRFSS)	5
LGBTQ	Marijuana	Current /30-Day Use (BRFSS)	4
LGBTQ	Cigarettes	Current /30-Day Use (BRFSS)	4

Final Priorities

The group agreed that “lifetime use/ever use” was not a useful indicator as a final priority. The final recommended priorities per MPAC vote are:

- Middle School Students
 - Current use of marijuana/cannabis
 - Current use of vaping/electronic nicotine delivery system device
- High School
 - Current use of alcohol
 - Current use of vaping/electronic nicotine delivery system device
- Adults
 - Current use of marijuana/cannabis
- LGBTQ (adult population):
 - Current use of marijuana/cannabis
 - Current use of tobacco

The group also agreed that given the age of these data, limitations in available data, knowledge of current data trends not reflected in the 2020 Epi Profile, there is a need to carefully monitor and potentially address additional substances, such as fentanyl, pressed pills, and kratom.