



## Why Prevention Matters: Applying Prevention Science to Practice

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#### Carolina Corrales, Ph.D.

Psychologist – Researcher – Prevention Scientist

Academic Program Manager

Mountain Plains Prevention Technology Transfer Center
University of Utah

Substance Abuse and Mental Health Services Administration

# The use of affirming language inspires hope. LANGUAGE MATTERS. Words have power. PEOPLE FIRST.

The PTTC Network uses affirming language to promote the application of evidence-based and culturally informed practices.

#### Indigenous Land Acknowledgement



We acknowledge that this land, which is named for the Ute Tribe, is the traditional and ancestral homeland of the Shoshone, Paiute, Goshute, and Ute Tribes. The University of Utah recognizes and respects the enduring relationship that exists between many Indigenous peoples and their traditional homelands.









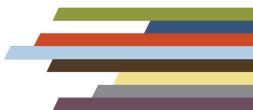


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## **Learning Objectives**

01

Describe substance use prevalence

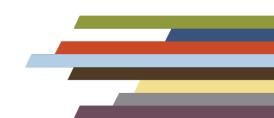
02

Discuss risk and protective factors for substance use

03

Provide the impact of substance use and reasons for prevention science







- What is Prevention?
  - And ...Why Does it Matter?



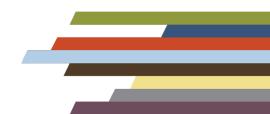


### **Prevention Metaphor**



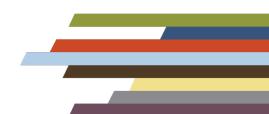
Missouri River, South Dakota

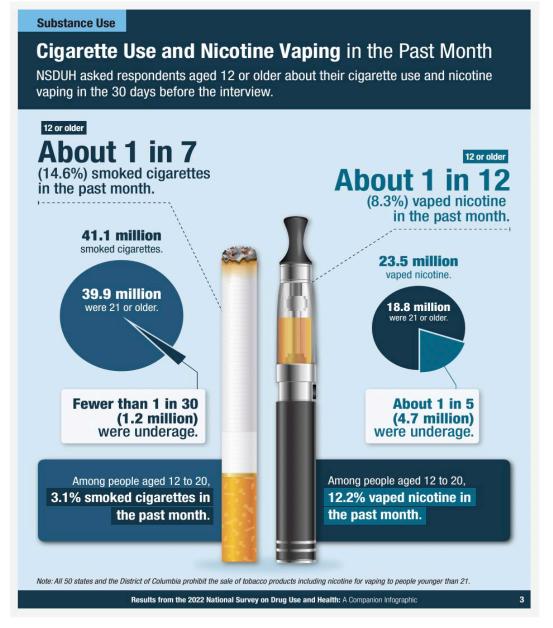




# Substance Use Prevalence

Results from The 2022 National Survey on Drug Use and Health





(NSDUH, 2023)



Mountain Plains (HHS Region 8)

Prevention Technology Transfer Center Network

#### **Substance Use**

#### Alcohol Use in the Past Month

NSDUH asked respondents aged 12 or older about their alcohol use in the 30 days before the interview.

## About half

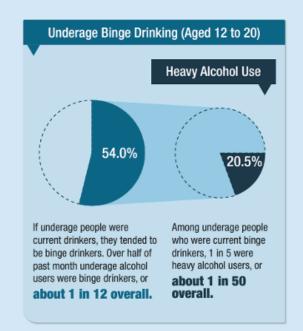
(48.7%) of people aged 12 or older drank alcohol in the past month.



5.8 million **15.1%** 

of underage people aged 12 to 20 drank alcohol in the past month.

# A little less than half of people who drank alcohol in the past month were binge drinkers, or about 1 in 5 overall. Heavy Alcohol Use About a quarter of people who were binge drinkers in the past month were heavy alcohol users, or about 1 in 20 overall.



(NSDUH, 2023)



Mountain Plains (HHS Region 8)



#### Illicit Drug Use in the Past Year

NSDUH asked respondents aged 12 or older about their use of drugs in the 12 months before the interview.

70.3 million

1 in 4

(24.9%) used illicit drugs in the past year.



#### 24.7 million

(8.8%) used illicit drugs other than marijuana in the past year.



#### 61.9 million

(22%) used marijuana in the past year.

22.7 million vaped marijuana in the past year.

#### 7.4 million About 1 in 5

people aged 12 to 20 used marijuana in the past year.





#### 4.3 million About 1 in 9

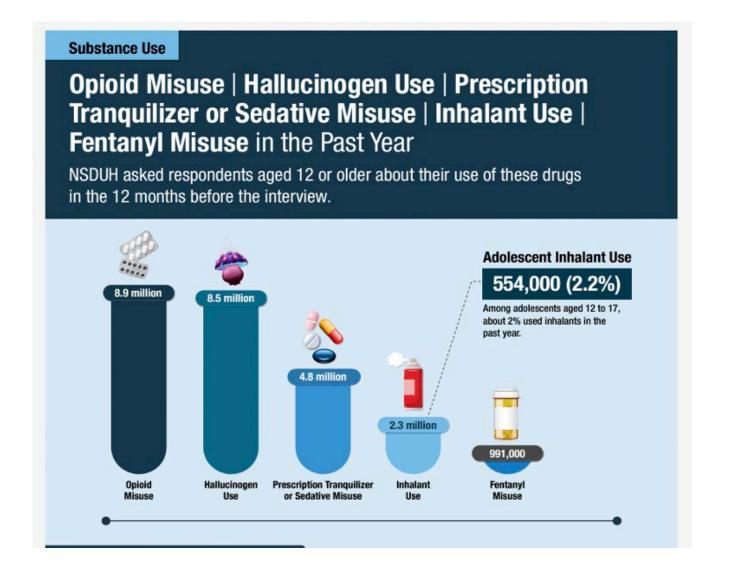
people aged 12 to 20 vaped marijuana in the past year.



(NSDUH, 2023)



Mountain Plains (HHS Region 8)



(NSDUH, 2023)





### Drug Use Disorder | Opioid Use Disorder | Alcohol Use Disorder in the Past Year

NSDUH asked respondents aged 12 or older about the effects of their drug or alcohol use on their lives in the 12 months before the interview.



Substance Use Disorder (SUD)

48.7 million (17.3%)

Among people aged 12 or older, about 17% had an SUD in the past year.



Drug Use Disorder (DUD)

27.2 million (9.7%)

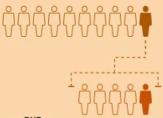
About 1 in 10 people had a DUD in the past year.



Opioid Use Disorder (OUD)

6.1 million (2.2%)

Among people aged 12 or older with a past year DUD, a little over 1 in 5 had an OUD, or about 2% overall.





Alcohol Use Disorder (AUD)

29.5 million (10.5%)

About 1 in 10 people had an AUD in the past year.



(NSDUH, 2023)



Mountain Plains (HHS Region 8)



#### Substance Use Disorder

#### Severity Levels in the Past Year

NSDUH asked respondents aged 12 or older about the effects of their drug or alcohol use on their lives in the 12 months before the interview.

#### 48.7 million -----

#### More than 1 in 6

(17.3%) people aged 12 or older had a substance use disorder (SUD) in the past year.

Among people who had an SUD in the past year,

- about 1 in 5 had a severe disorder,
- about 1 in 5 had a moderate disorder, and
- more than half had a mild disorder.

#### Severe 10.9 million (22.3%)

Moderate 11.0 million (22.6%)

Mild 26.8 million (55.0%)

#### Severe

Six or more criteria for that substance were met. For SUD measures that include more than one substance, such as any SUD for alcohol or drug use, severe SUD means that people had a severe SUD for at least one substance.

#### Moderate

Four or five criteria for that substance were met. For SUD measures that include more than one substance, such as any SUD for alcohol or drug use, moderate SUD means that the worst SUDs were moderate.

#### Mild

Two or three criteria for that substance were met. For SUD measures that include more than one substance, such as any SUD for alcohol or drug use, mild SUD means that all SUDs were mild.

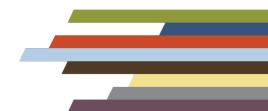


(NSDUH, 2023)



## Substance Use Prevalence in Region 8 and South Dakota

SAMHSA, Center for Behavioral Health Statistics and Quality, National Survey on Drug Use and Health, 2004–2007 and 2016–2019.



#### Substance Use | Aged 12 or Older

#### Alcohol Use in the Past Month

Any Alcohol Use | Binge Alcohol Use

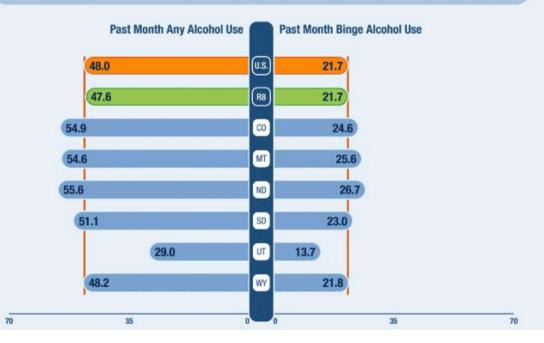




In 2021-2022, among people aged 12 or older in Region 8, 47.6% (or 5.0 million) used alcohol in the past month, which was similar to the national annual average (48.0%).

Compared with the national average, the estimate was higher for Colorado, Montana, and North Dakota; lower for Utah; and similar for South Dakota and Wyoming.

Compared with the regional average, the estimate was higher for Colorado, Montana, and North Dakota; lower for Utah; and similar for South Dakota and Wyoming.



(SAMHSA, 2020)



Mountain Plains (HHS Region 8)

#### Substance Use | Aged 12 or Older

#### Tobacco Use in the Past Month

Any Tobacco Products | Cigarettes

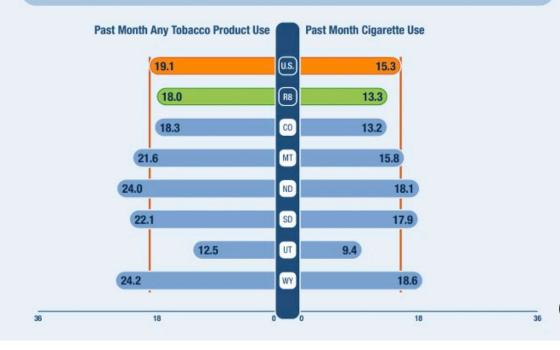




In 2021-2022, among people aged 12 or older in Region 8, 18.0% (or 1.9 million) used tobacco products in the past month, which was similar to the national annual average (19.1%).

Compared with the national average, the estimate was higher for North Dakota, South Dakota, and Wyoming; lower for Utah; and similar for Colorado and Montana.

Compared with the regional average, the estimate was higher for Montana, North Dakota, South Dakota, and Wyoming; lower for Utah; and similar for Colorado.



(SAMHSA, 2020)



## Substance Use | Aged 12 or Older | Illicit Drug Use in the Past Month Any Illicit Drugs | Illicit Drugs Other Than Marijuana

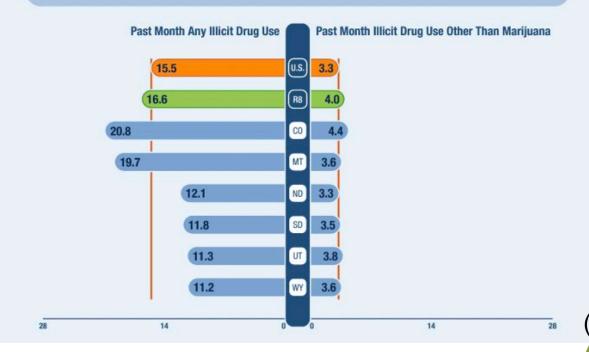




In 2021-2022, among people aged 12 or older in Region 8, 16.6% (or 1.7 million) used illicit drugs in the past month, which was similar to the national annual average (15.5%).

Compared with the national average, the estimate was higher for Colorado and Montana and lower for North Dakota, South Dakota, Utah, and Wyoming.

Compared with the regional average, the estimate was higher for Colorado; lower for North Dakota, South Dakota, Utah, and Wyoming; and similar for Montana.



(SAMHSA, 2020)



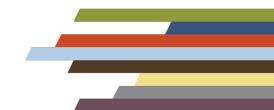
# Risk and Protective Factors

#### **Risk and Protective Factors**

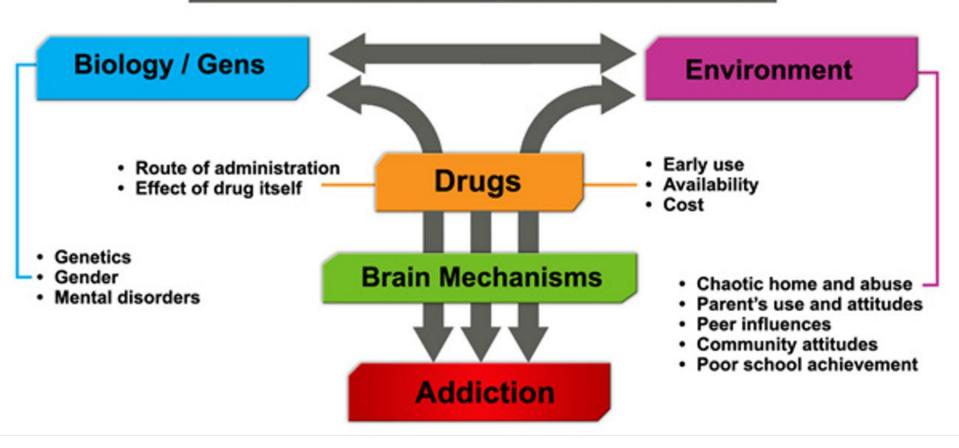
Risk factors have been linked to people having a greater potential to develop a substance use disorder and protective factors with a reduced potential for people to use and abuse substances

(Hawkins et al., 2002)

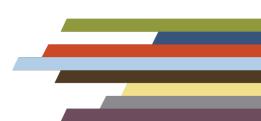




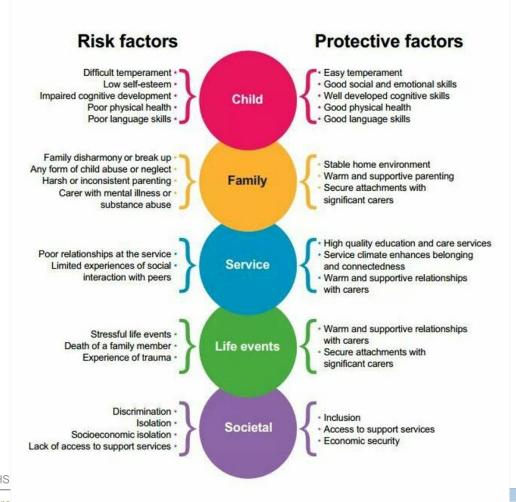
#### Factors Leading to Addiction



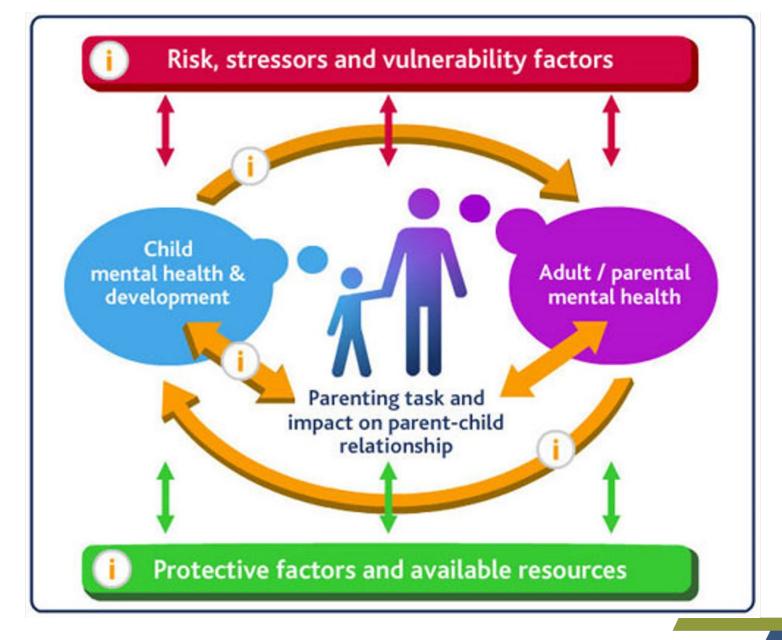




## Risk and protective factors









Mountain Plains (HHS Region 8)

PTTC Prevention Technology Transfer Center Network
Funded by Substance Abuse and Mental Health Services Administration

# The Need for Prevention



**EMOTIONAL IMPACT** 



SOCIAL **IMPACT** 



**MEDICAL IMPACT** 



**FINANCIAL IMPACT** 



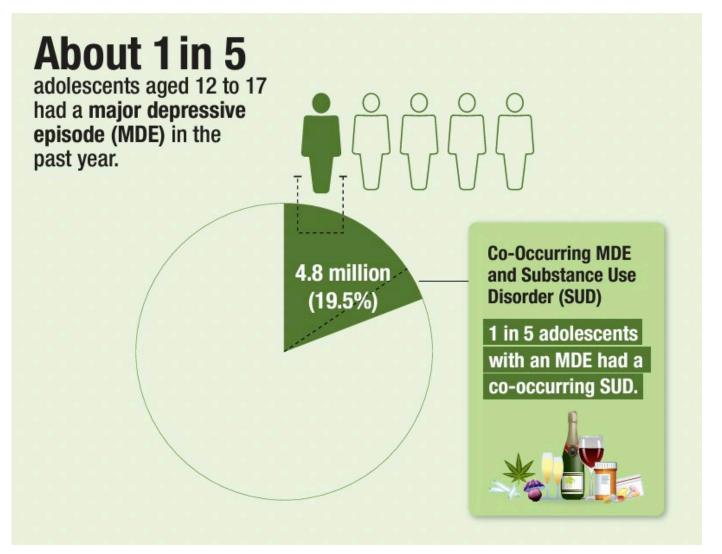




## **Emotional Impact**

- Comorbidity of Substance Use Disorders and Mental Health Issues
- Emotional impact is evident both as a cause and as a consequence to other mental health issues





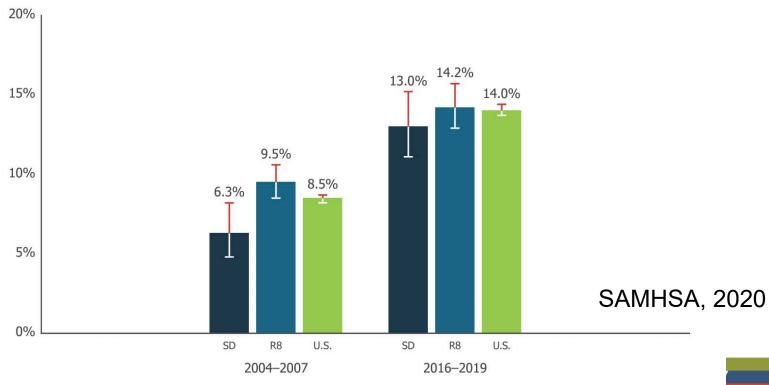
(NSDUH, 2023)





Among youth aged 12–17 in South Dakota, the annual average percentage with an MDE in the past year increased between 2004–2007 and 2016–2019.

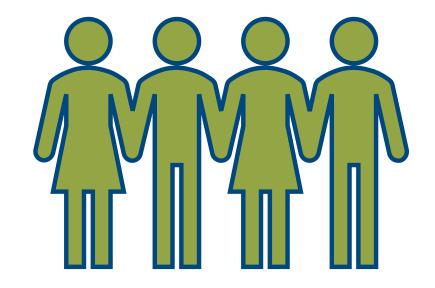
During 2016–2019, the annual average prevalence of past-year MDE in South Dakota was **13.0%** (or **9,000**), similar to both the regional average (**14.2%**) and the national average (**14.0%**).





## Social Impact

- Prenatal exposure to substances
- Parents with SUDs
- Abuse and Neglect
- At least 50% of people arrested for crimes such as homicide, assault, and theft are under the influence of substances (NIDA, 2015)



## **Medical Impact**



Chronic medical issues



Diabetes



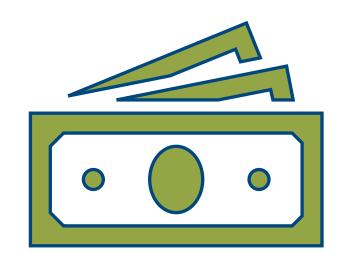
**Heart Disease** 



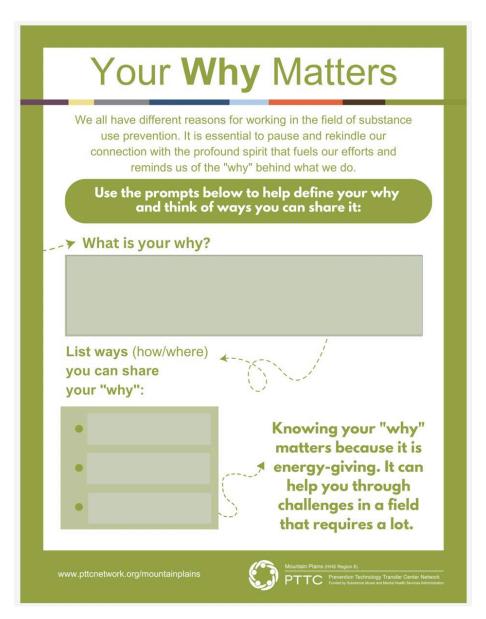
SUDs can negatively impact outcomes for cardiovascular disease, stroke, cancer, HIV/AIDS, hepatitis, and lung disease (NIDA, 2012)

## Financial Impact

\$600 billion annually



## And for you... What is your Why?





### References

- Hawkins, J.D., Catalano, R.F., & Arthur, M.W. (2002). Promoting science-based prevention in communities. Addictive Behaviors, 27, 951-976.
- Substance Abuse and Mental Health Services Administration. (2023). Results from the 2022 National Survey on Drug Use and Health: A companion infographic (SAMHSA Publication No. PEP23-07-01-007). Center for Behavioral Health Statistics and Quality, Substance Abuse and Mental Health Services Administration. https://www.samhsa.gov/data/report/2022-nsduh-infographic
- Substance Abuse and Mental Health Services Administration, Center for Behavioral Health Statistics and Quality, National Survey on Drug Use and Health, 2004–2007 and 2016–2019.



