Joe Lombardo *Governor* 



Richard Whitley

Director

### **Opioid Data Sources and Reporting**

#### Office of Analytics

Natalie Bladis, Biostatistician III

March 14<sup>th</sup>, 2024



### Department of Health and Human Services

Helping people. It's who we are and what we do.



### Agenda

- 1. Review available state databases and resources tracking substance use.
- 2. Publicly available opioid data.
  - a) Dashboards
  - b) Report
- 3. Gaps and areas of further study.



### **Available Data Sources**

### Treatment Episode Data Sets (TEDS)

 State funded substance abuse treatment centers admission and discharge records

### Drug Overdose Surveillance and Epidemiology (DOSE)

 Chief complaint related to substance use from EMS/ED (daily)

#### **Vital Records**

- Birth mothers self report drug use (separate category for opioids)
- Death ICD-10 Codes
  - State

     Unintentional
     Drug Overdose
     Reporting System
     (SUDORS)

#### Prescription Drug Monitoring Program (PDMP)

 Database of controlled substance prescriptions dispensed to patients in Nevada



### Available Data Sources (continued)

### Hospital Emergency Department Billing (HEDB)

 Collected using a standard universal billing form for patients who used an emergency room service.

### Hospital Inpatient Billing (HIB)

 Health billing data for patients discharged from Nevada's nonfederal hospitals.

#### **AVATAR**

- Adult mental health data from state funded mental health facilities.
- Shows cooccurring substance use disorders.

### Medicaid Decision Support System (DSS) and Medicaid Data Warehouse

 Claims show Medicaid recipients who are receiving treatment for substance use.

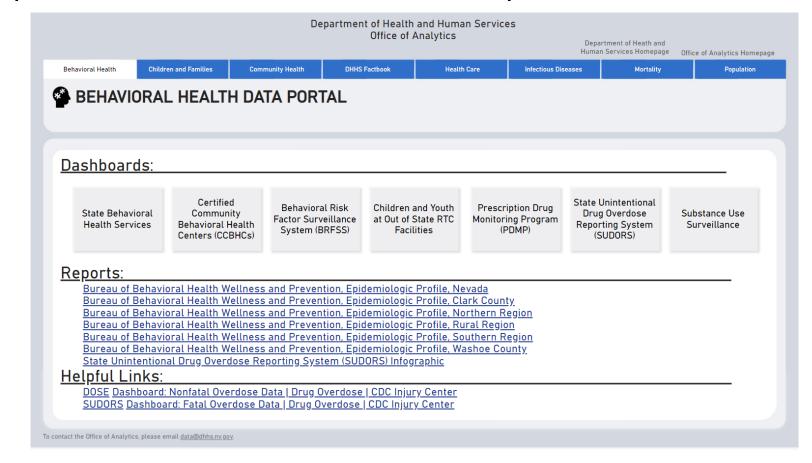
#### National Violent Death Reporting System (NVDRS)

 Violent deaths related to opioids show up as poisoning from drug use.



### Public Dashboards and Reports

- Office of Analytics homepage
- The dashboards and reports are located on the OOA Data portal:





### Substance Use Surveillance Dashboard

#### Monitoring Substance Use in Nevada

Overview

Current Status

Trends

Demographics

Office of Analytics Homepage

DASHBOARD UPDATED ON 02/26/2024

Provided by the **Office of Analytics**, Department of Health and Human Services



Richard Whitley, MS

Director

Kyra Morgan, MS State Biostatistician

Helping DHHS staff and stakeholders help people by providing reliable analytics and data to make a difference.

This dashboard analyzes the current status and trends related to substance use in Nevada. It also provides a breakdown of demographic information, including distribution by age group, sex, and race/ethnicity. Key metrics, maps, tables, and trend graphs are available at the county level. These data can inform public health prevention strategies, support evaluations of public health programs and guide future interventions and policies.

Data throughout are separated into three categories: dependence, poisoning, and death, and are collected from three different data sources which are hospital emergency department/room encounters, hospital inpatient admissions, and the electronic death registry system for Nevada which is housed in the Division of Public and Behavioral Health (DPBH), Office of Vital Records (OVR). Dependence (which refers to mental and behavioral disorders due to psychoactive substance use) and poisoning (which is when a person has accumulated too much of a substance in their bloodstream leading to adverse effects) are collected from hospital data. Deaths due to substance poisoning, regardless of intent, are collected from the electronic death registry system in OVR.

Data are separated into the following substances: alcohol, opioids, stimulants, and all substances (excluding nicotine but including alcohol, opioids, stimulants, and all other substances).

County data have been grouped into categories aligned with the Nevada Behavioral Health Regions:

Clark County

Northern Region: Carson City, Churchill, Douglas, Lyon and Storey Counties Rural Region: Elko, Eureka, Humboldt, Lander, Pershing, and White Pine Counties Southern Region: Esmeralda, Lincoln, Mineral, and Nye Counties Washoe County

Substance Use
Surveillance

Dashboard

This dashboard is updated annually. For questions or feedback please email data@dhhs.nv.gov.



### Prescription Drug Monitoring Program (PDMP) Dashboard

#### Monitoring the Prescription Drug Monitoring Program (PDMP) in Nevada Overview Current Status **Trends** Demographics Office of Analytics Homepage **Patient County** Prescriptions by MME Day Supply Groups Refills Prescriptions by Diagnosis Code DASHBOARD UPDATED ON 2/6/2024 DATA AS OF 1/31/2024 CURRENT STATUS - PATIENT COUNTY (2024) Data below are displayed by the county of the patient receiving the prescription. Rates for benzodiazepines, buprenorphine, opioids, and stimulants are calculated per 1,000 population and rates for concurrent prescriptions and methadone are per 100,000 population. Data for 2024 are preliminary. — 6₹ KEY METRICS RATE OF PRESCRIPTIONS BY PATIENT COUNTY SELECT A DRUG TYPE COUNTY POPULATION PRESCRIPTION PRESCRIPTION TOTAL RATE Benzodiazepine 107.582 Buprenorphine 59,704 2,459 41.2 Carson City Concurrent Prescriptions PRESCRIPTION COUNT Churchill 26,662 1,006 37.7 Methadone 2,440,597 77,152 Clark 31.6 Opioid 32.3 Stimulant 54.286 2.249 41.4 Douglas PRESCRIPTION RATE Elko 56,407 1,302 23.1 SELECT A COUNTY 1,112 23 20.7 Esmeralda ^ North 1,934 58 30.0 Eureka Carson City 17,809 475 26.7 Humboldt Washoe Lander 6.278 212 33.8 ↑ South 4.992 313 62.7 Lincoln Clark ∧ Rural 62,516 2,852 45.6 Lyon Churchill 4,834 276 57.1 Legend Mineral Douglas 52.804 3,113 59.0 Nye 50.2 + Elko 7,328 197 26.9 Pershing Esmeralda 37.6 to 50.2 Storey 4.765 221 46.4 Eureka 25.1 to 37.6 Humboldt Washoe 520.758 15,267 29.3 12.5 to 25.1 Lander White Pine 10,238 407 39.8 0 to 12.5 Lincoln Total 3.333.024 107.582 32.3 0 Lyon Minoral

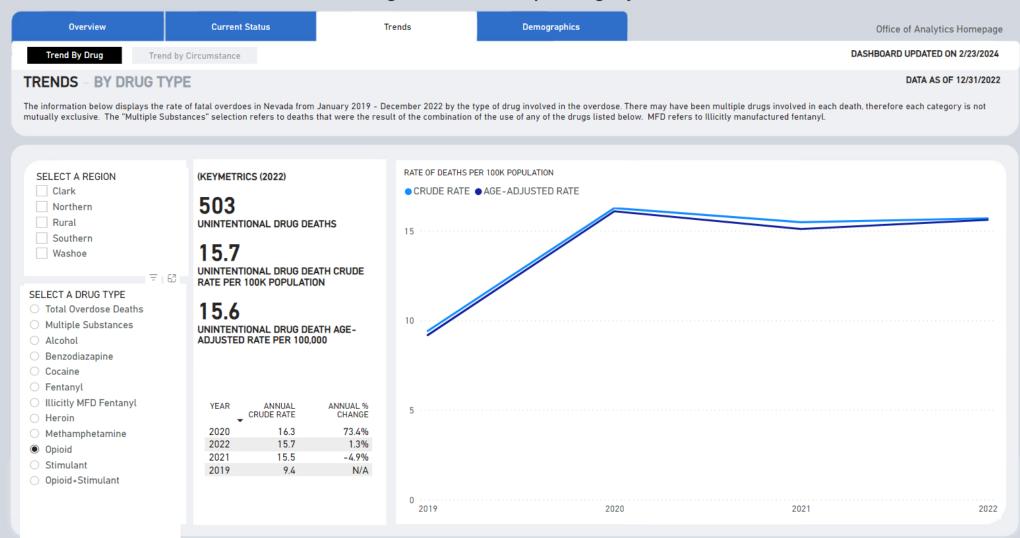
PDMP Dashboard

This dashboard is updated monthly. For questions or feedback please email data@dhhs.nv.gov.



### State Unintentional Drug Overdose Reporting System (SUDORS) Dashboard

#### State Unintentional Drug Overdose Reporting System (SUDORS)



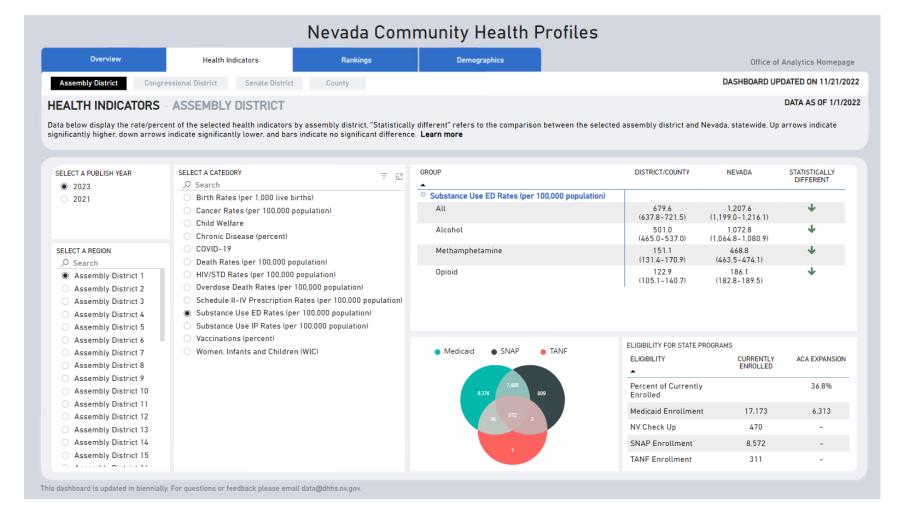
SUDORS Dashboard

This dashboard is updated annually. For questions or feedback please email data@dhhs.nv.gov.



### Nevada Community Health Profiles Dashboard

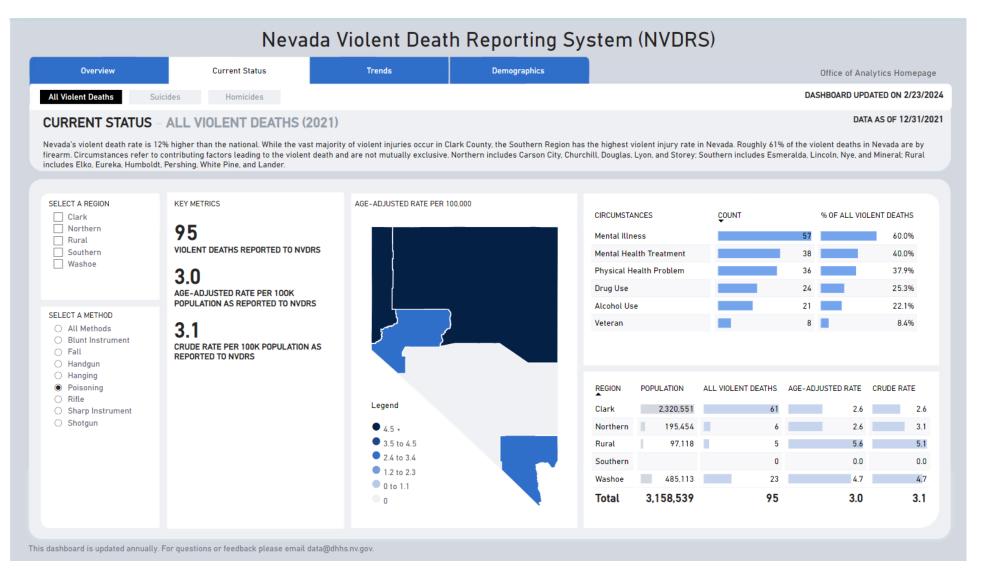
Display some substance use data by assembly, congressional, and senate district or county.



Nevada
Community
Health
Profiles
Dashboard



### Nevada Violent Death Reporting System (NVDRS) Dashboard





### Reports

- The <u>Bureau of Behavioral Health Wellness and Prevention, Epidemiologic Profile, Nevada, 2023</u> for all of Nevada
  - Biennial reports
  - One for each behavioral health region as well
    - Bureau of Behavioral Health Wellness and Prevention, Epidemiologic Profile for Clark County, 2023
    - Bureau of Behavioral Health Wellness and Prevention, Epidemiologic Profile for Northern Region, 2023
    - Bureau of Behavioral Health Wellness and Prevention, Epidemiologic Profile for Rural Region, 2023
    - Bureau of Behavioral Health Wellness and Prevention, Epidemiologic Profile for Southern Region, 2023
    - Bureau of Behavioral Health Wellness and Prevention, Epidemiologic Profile for Washoe County,
       2023
- State Unintentional Drug Overdose Reporting System (SUDORS) Infographic, 2022
- Veteran Suicide Report
  - Method of suicide includes opioid related overdose



### Gaps and Areas of Further Study

- TEDS data dashboard (in review)
- DOSE data on SUDORS dashboard (in review)
- Tracking opioid abatement
  - FRN Program Spending/Impact (dashboard under development)
  - SOR Program Spending/Impact
- Law enforcement intelligence data
  - Example Test impaired drivers for drugs even if they already tested positive for alcohol (not a standard practice)
- Drug Checking in Forensic labs
  - A very small % of seized drugs get tested (a court date must be schedule before drugs are tested)
  - Testing seized drugs would allow us to know what is in the drug supply
- All-Payer Claims Database (APCD)
  - Could be used to generate insights about individuals who receive a substance use diagnosis or treatment through private providers



### Questions?



### **Contact Information**

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https://dhhs.nv.gov/Programs/Office\_of\_Analytics/DHHS\_Office\_of\_Analytics/



### Clark County Opioid Task Force

Terry Kerns

Nevada Office of the Attorney General

Substance Abuse/Law Enforcement Coordinator



### Objectives

- Understand SURG structure, mandates, and reporting
- Be aware of other agencies working opioid matters
- Be aware of opioid reporting
- Understand guidelines/toolkits



### NRS 458.460 Establishes Statewide Substance Use Response Working Group (SURG) in Attorney General's Office

**Section 10** of this bill requires the Working Group to comprehensively review various aspects of substance misuse and substance use disorders and programs and activities to combat substance misuse and substance use disorders in this State.

**Section 10.5** of this bill requires the Department of Health and Human Services to annually report to the Working Group concerning the use of state and local money to address substance misuse and substance use disorders, and

**Section 10** requires the Working Group to study, evaluate and make recommendations concerning the use of that money.

http://ag.nv.gov/About/Administration/SURG\_Info\_Page/



### SURG Membership 18 members

AG appointments

1) One representative of a local governmental entity that provides or oversees the provision of human services in a county whose population is 700,000 or more, (

One representative of a local governmental entity that provides or oversees the provision of human services in a county whose population is 100,000 or more but less than 700,000,

One representative of a local governmental entity that provides or oversees the provision of human services in a county whose population is less than 100,000,

One provider of health care with expertise in medicine for the treatment of substance use disorders,
One representative of the Nevada Sheriffs' and Chiefs' Association, or its successor organization,
One advocate for persons who have substance use disorders and family members of such persons,
One person who is in recovery from a substance use disorder,
One person who provides services relating to the treatment of substance use disorders,
One representative of a substance use disorder prevention coalition,
One representative of a program to reduce the harm caused by substance misuse
One representative of a school district.

#### Other Appointees

- 13) AG appointee,
- 14) DHHS Director appointee,

- 15) NV Senate appointee,
  16) NV Assembly appointee,
  17) NV Assembly Minority Leader of the Assembly appointee, and
  18) NV Senate Minority Leader appointee



### **SURG Mandates**

- (a) Leverage and expand efforts by state and local governmental entities to reduce the use of substances which are associated with substance use disorders, including, without limitation, heroin, other synthetic and non-synthetic opioids and stimulants, and identify ways to enhance those efforts through coordination and collaboration.
- (b) Assess evidence-based strategies for preventing substance use and intervening to stop substance use, including, without limitation, the use of heroin, other synthetic and non-synthetic opioids and stimulants. Such strategies must include, without limitation, strategies to:
  - (1) Help persons at risk of a substance use disorder avoid developing a substance use disorder;
  - (2) Discover potentially problematic substance use in a person and intervene before the person develops a substance use disorder;
  - (3) Treat the medical consequences of a substance use disorder in a person and facilitate the treatment of the substance use disorder to minimize further harm; and
  - (4) Reduce the harm caused by substance use, including, without limitation, by preventing overdoses.



### SURG Mandates continued

- (c) Assess and evaluate existing pathways to treatment and recovery for persons with substance use disorders, including, without limitation, such persons who are members of special populations.
- (d) Work to understand how residents of this State who are involved in the criminal justice system access supports for treatment of and recovery from substance use disorders at various points, including, without limitation, by reviewing existing diversion, deflection and reentry programs for such persons.
- (e) Evaluate ways to improve and expand evidence-based or evidence-informed programs, procedures and strategies to treat and support recovery from opioid use disorder and any co-occurring substance use disorder, including, without limitation, among members of special populations.
- (f) Examine support systems and programs for persons who are in recovery from opioid use disorder and any co-occurring substance use disorder.
- (g) Make recommendations to entities including, without limitation, the State Board of Pharmacy, professional licensing boards that license practitioners, other than veterinarians, the State Board of Health, the Division, the Governor and the Legislature, to ensure that controlled substances are appropriately prescribed in accordance with the provisions of NRS 639.2391 to 639.23916, inclusive.



### SURG Mandates continued

- (h) Examine qualitative and quantitative data to understand the risk factors that contribute to substance use and the rates of substance use and substance use disorders, focusing on special populations.
- (i) Develop strategies for local, state and federal law enforcement and public health agencies to respond to and prevent overdoses and plans for implementing those strategies.
- (j) Study the efficacy and expand the implementation of programs to:
  - (1) Educate youth and families about the effects of substance use and substance use disorders; and
  - (2) Reduce the harms associated with substance use and substance use disorders while referring persons with substance use disorders to evidence-based treatment.
- (k) Recommend strategies to improve coordination between local, state and federal law enforcement and public health agencies to enhance the communication of timely and relevant information relating to substance use and reduce duplicative data collection and research.



### SURG Mandates continued

- (1) Evaluate current systems for sharing information between agencies regarding the trafficking and distribution of legal and illegal substances which are associated with substance use disorders, including, without limitation, heroin, other synthetic and non-synthetic opioids and stimulants.
- (m) Study the effects of substance use disorders on the criminal justice system, including, without limitation, law enforcement agencies and correctional institutions.
- (n) Study the sources and manufacturers of substances which are associated with substance use disorders, including, without limitation, heroin, other synthetic and non-synthetic opioids and stimulants, and methods and resources for preventing the manufacture, trafficking and sale of such substances.
- (o) Study the effectiveness of criminal and civil penalties at preventing the misuse of substances and substance use disorders and the manufacture, trafficking and sale of substances which are associated with substance use disorders, including, without limitation, heroin, other synthetic and non-synthetic opioids and stimulants.
- (p) Evaluate the effects of substance use disorders on the economy of this State.



### SURG Mandate continued

- (q) Study, evaluate and make recommendations to the Department of Health and Human Services concerning the use of the money described in section 10.5 of this act to address substance use disorders, with a focus on:
  - (1) The use of the money described in subsections 1, 2 and 3 of section 10.5 of this act to supplement rather than supplant existing state or local spending;
  - (2) The use of the money described in section 10.5 of this act to support programs that use evidence-based interventions;
  - (3) The use of the money described in section 10.5 of this act to support programs for the prevention of substance use disorders in youth;
  - (4) The use of the money described in section 10.5 of this act to improve racial equity; and
  - (5) Reporting by state and local agencies to the public concerning the funding of programs to address substance misuse and substance use disorders.



- 1) Prevention (primary, secondary, and tertiary) and included discussion around harm reduction strategies
  - (a) Leverage and expand efforts by state and local governmental entities to **reduce the use of substances** which are associated with substance use disorders, including, without limitation, heroin, other synthetic and non-synthetic opioids, and stimulants, and identify ways to enhance those efforts through coordination and collaboration.
  - (g) Make recommendations to entities including, without limitation, the State Board of Pharmacy, professional licensing boards that license practitioners, other than veterinarians, the State Board of Health, the Division, the Governor, and the Legislature, to **ensure that controlled substances are appropriately prescribed** in accordance with the provisions of NRS 639.2391 to 639.23916, inclusive
  - (j) Study the efficacy and expand the implementation of programs to: (1) Educate youth and families about the effects of substance use and substance use disorders;

#### Harm Reduction

• (j) Study the efficacy and expand the implementation of programs to: (2) **Reduce the harms associated** with substance use and substance use disorders while referring persons with substance use disorders to evidence-based treatment.



#### • 2) Treatment and Recovery

- (c) Assess and evaluate existing pathways to treatment and recovery for persons with substance use disorders, including, without limitation, such persons who are members of special populations.
- (e) Evaluate ways to improve and expand evidence-based or evidence-informed programs, procedures, and strategies to **treat and support recovery from opioid use disorder and any co-occurring substance use disorder**, including, without limitation, among members of special populations.
- (f) Examine support systems and programs for persons who are in recovery from opioid use disorder and any co-occurring substance use disorder.



#### • 3) Response

- (d) Work to understand how residents of this State who are involved in the criminal justice system access supports for treatment of recovery from substance use disorders at various points, including, without limitation, by **reviewing existing diversion**, **deflection**, and **reentry programs** for such persons.
- (i) Develop strategies for local, state, and federal law enforcement and public health agencies to respond to and prevent overdoses and plans for implementing those strategies.
- (k) Recommend strategies to **improve coordination between local, state, and federal law enforcement and public health agencies** to enhance the communication of timely and relevant information relating to substance use and reduce duplicative data collection and research.
- (l) Evaluate current systems for sharing information between agencies regarding the trafficking and distribution of legal and illegal substances which are associated with substance use disorders, including, without limitation, heroin, other synthetic and non-synthetic opioids, and stimulants.
- (m) Study the effects of substance use disorders on the criminal justice system, including, without limitation, law enforcement agencies and correctional institutions.
- (n) Study the sources and manufacturers of substances which are associated with substance use disorders, including, without limitation, heroin, other synthetic and non-synthetic opioids and stimulants, and methods and resources for preventing the manufacture, trafficking, and sale of such substances.
- (o) Study the effectiveness of criminal and civil penalties at preventing the misuse of substances and substance use disorders and the manufacture, trafficking and sale of substances which are associated with substance use disorders, including, without limitation, heroin, other synthetic and non-synthetic opioids, and stimulants.
- (p) Evaluate the effects of substance use disorders on the economy of this State.



- Cross cutting across all SURG subcommittees
- (b) Assess evidence-based strategies for preventing substance use and intervening to stop substance use, including, without limitation, the use of heroin, other synthetic and non-synthetic opioids and stimulants. Such strategies must include, without limitation, strategies to: (1) Help persons at risk of a substance use disorder avoid developing a substance use disorder; (2) Discover potentially problematic substance use in a person and intervene before the person develops a substance use disorder;
- (h) Examine qualitative and quantitative data to understand the risk factors that contribute to substance use and the rates of substance use, and substance use disorders, focusing on special populations.
- (q) Study, evaluate and make recommendations to the Department of Health and Human Services concerning the use of the money described in section 10.5 of this act to address substance use disorders, with a focus on:

  (1) The use of the money described in subsections 1, 2 and 3 of section 10.5 of this act to supplement rather than supplant existing state or local spending; (2) The use of the money described in section 10.5 of this act to support programs that use evidence-based interventions; (3) The use of the money described in section 10.5 of this act to support programs for the prevention of substance use disorders in youth; (4) The use of the money described in section 10.5 of this act to improve racial equity; and (5) Reporting by state and local agencies to the public concerning the funding of programs to address substance misuse and substance use disorders.



### Other Groups addressing Substance Use Disorder

- Advisory Committee on a Resilient Nevada (ACRN)
- Fund for a Resilient Nevada (FRN)
  - FRN Home (nv.gov)
- Southern Nevada Opioid Advisory Council (SNOAC)
  - Southern Nevada Opioid Advisory Council Southern Nevada Health District
- Southern Nevada Harm Reduction Alliance
- Opioid Needs Assessment and State Plan
  - Nevada Opioid Needs Assessment and Statewide Plan 2022 (nv.gov)



### Reporting

- Department of Health and Human Services (DHHS) Office of Analytics
- Fatality Reporting
- ODMAP/EMS/Hospital (Suspected Overdoses and/or non-fatal overdose reporting)
- Law Enforcement/Intelligence Reporting
- Drug Checking Reports
- Opioid Mapping for funds
  - What funds are used for
  - Specific funds are designated for specific usages
- One Nevada Agreement (One Nevada Agreement on Opioid Recoveries with Sig Pages (nv.gov))
- SURG annual report <a href="https://ag.nv.gov/About/Administration/SURG\_Info\_Page/">https://ag.nv.gov/About/Administration/SURG\_Info\_Page/</a>
- Statewide Overdose Data to Action <u>The Overdose Data to Action Program Nevada State Opioid Response</u> (nvopioidresponse.org)



### Guiding Principles/Toolkits

- Evidence-based practices
  - What they are
  - Why they work
- Implementation resources
  - Toolkits
  - Guidelines
  - References to research



# Legislative Analysis and Public Policy Association (LAPPA) 2023 State of the States Legislative Roadmap for Reducing Overdose Deaths and Increasing Access to Treatment

Ten evidence-based policy approaches to reduce overdoses

- Strategy 1: Syringe services programs
- Strategy 2 & 3: Fentanyl test strips and other drug checking equipment
- Strategy 4: Medication for addiction treatment in correctional settings



# LAPPA 2023 State of the States Legislative Roadmap for Reducing Overdose Deaths and Increasing Access to Treatment

- Strategy 5: Withdrawal management services in correctional settings
- Strategy 6: School response to drug related incidents
- Strategy 7: Naloxone in public high schools
- Strategy 8: Substance use treatment in the emergency department
- Strategy 9: Substance use during pregnancy and family care plans
- Strategy 10: Overdose fatality review teams



# LAPPA 2023 State of the States Legislative Roadmap for Reducing Overdose Deaths and Increasing Access to Treatment

Nevada adopted 5-6 strategies





### LAPPA 2023 State of the

### States Legislative Roadmap for Reducing Overdose Deaths and Increasing Access to Treatment

- Strategies Nevada adopted
  - STRATEGY 1: SUPPORT EXPANDED ACCESS TO SYRINGE SERVICES PROGRAMS
  - STRATEGY 2: DO NOT SUBJECT FENTANYL TEST STRIPS TO DRUG PARAPHERNALIA PENALTIES &
  - STRATEGY 3: DO NOT SUBJECT DRUG CHECKING EQUIPMENT THAT TESTS FOR DRUGS OTHER THAN FENTANYL TO DRUG PARAPHERNALIA PENALTIES
  - STRATEGY 4: REQUIRE ACCESS TO MEDICATION FOR ADDICTION TREATMENT IN STATE OR LOCAL CORRECTIONAL SETTINGS
  - STRATEGY 6: A DRUG-RELATED INCIDENT THAT OCCURS AT SCHOOL SHOULD NOT NECESSARILY BE REPORTED TO LAW ENFORCEMENT
  - STRATEGY 9: ASSIST PREGNANT OR POSTPARTUM INDIVIDUALS WITH SUBSTANCE USE DISORDER IN SEEKING HELP BY HAVING SPECIFIC LAWS/REGULATIONS DESIGNED TO HELP FAMILIES WITH SUBSTANCEEXPOSED INFANTS; AND NOT AUTOMATICALLY CONSIDERING SUBSTANCE USE DURING PREGNANCY, OR GIVING BIRTH TO A SUBSTANCE-EXPOSED INFANT, TO BE CHILD ABUSE OR NEGLECT



# LAPPA 2023 State of the States Legislative Roadmap for Reducing Overdose Deaths and Increasing Access to Treatment

- Strategies Nevada has not adopted
  - STRATEGY 5: REQUIRE STATE AND LOCAL CORRECTIONAL SETTINGS TO PROVIDE WITHDRAWAL MANAGEMENT SERVICES
  - STRATEGY 7: REQUIRE ALL PUBLIC HIGH SCHOOLS TO STORE NALOXONE ON SITE FOR RESPONDING TO OVERDOSES AT SCHOOL AND AT SCHOOL-SPONSORED EVENTS
  - STRATEGY 8: INCREASE ACCESS TO SUBSTANCE USE TREATMENT IN EMERGENCY DEPARTMENT SETTINGS
  - STRATEGY 10: SUPPORT INFORMATION SHARING WITH OVERDOSE FATALITY REVIEW TEAMS



### Guiding Principles/Toolkits

- <u>Evidence-Based Strategies for Preventing Opioid Overdose: What's Working in the United States | Drug Overdose | CDC Injury Center</u>
- Opioid-Settlement-Toolkit-Final-cobranded.pdf (preventchildabuse.org)
- Principles for the Use of Funds from the Opioid Litigation | JHSPH
- <u>States' and Localities' Opioid Settlement Spending Plans & News Opioid Settlement Tracker</u>
- 2023 State of the States: Legislative Roadmap (legislativeanalysis.org)



### Questions ????

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