Drug Overdoses: Data and Implications in Arizona

November 2024

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Drs. Villarroel and Salek have nothing to disclose.



Outline

- Surveillance & statistics
 - 20-, 5-, and 1-year data
 - Disparities
 - Risk factors
- Impact on public health
 - Hospitalizations
 - Opioid prescriptions
- Prevention & intervention strategies
- Resources





Surveillance & Statistics

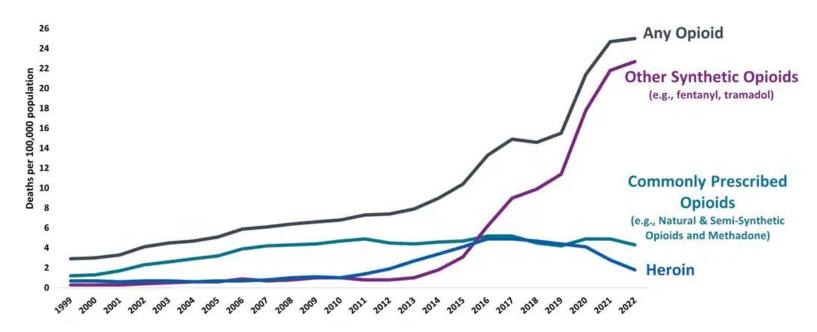


20 Year Data from U.S. and Arizona



The number of opioid-related deaths nationwide has been rising continuously since 1999.

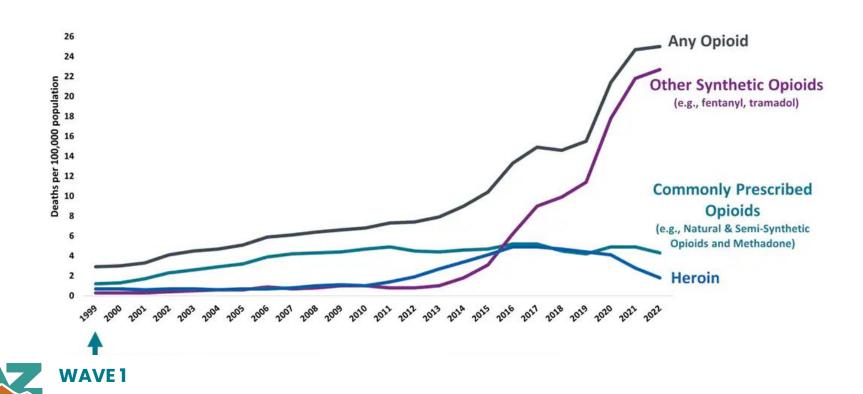
Three distinct waves of increases are related to different types of opioids.



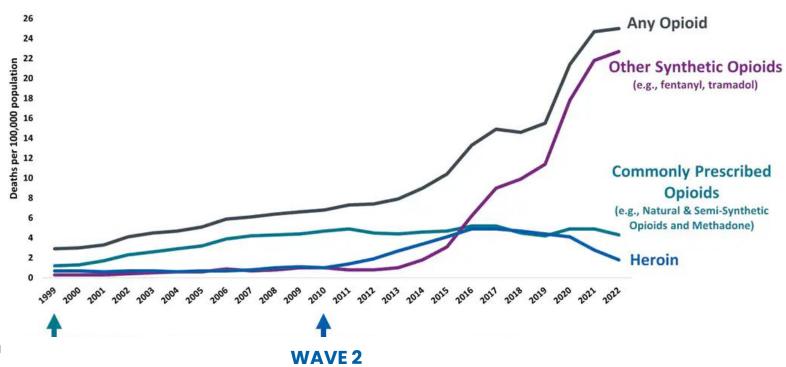


WAVE 1: National Rise in Prescription Opioid Deaths

Prescription opioids include natural and semi-synthetic opioids and methadone.



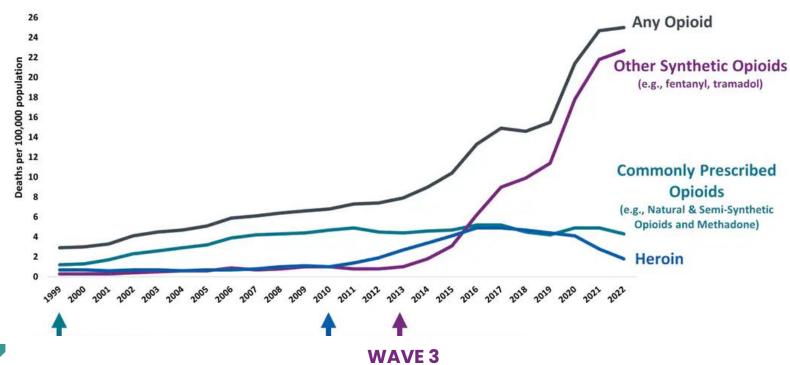
WAVE 2: National Rise in Heroin Overdose Deaths





WAVE 3: National Rise in Synthetic Opioid Overdose Deaths

Synthetic opioids include illicitly made fentanyl.





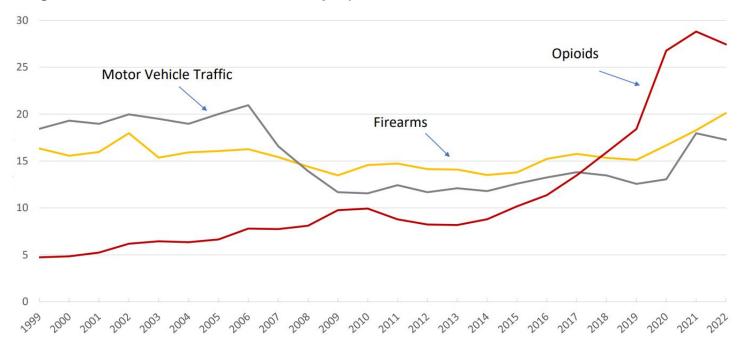
The number of <u>fatal</u> opioid overdoses in Arizona have been increasing for over 20 years.

WAVE 3 (synthetic opioid use) beginning in 2013 has been a catalyst 19151928 1886 for the opioid epidemic in Arizona. 1294 1116 526 527



Opioid overdose <u>fatalities</u> are a leading cause of injury-related death in Arizona.

Surpassing motor vehicle and firearm injury-related deaths.



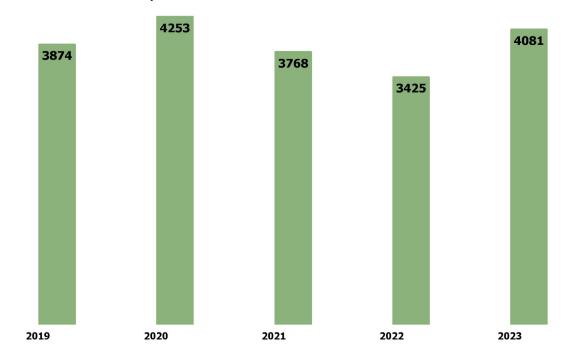


5 Year Data from Arizona



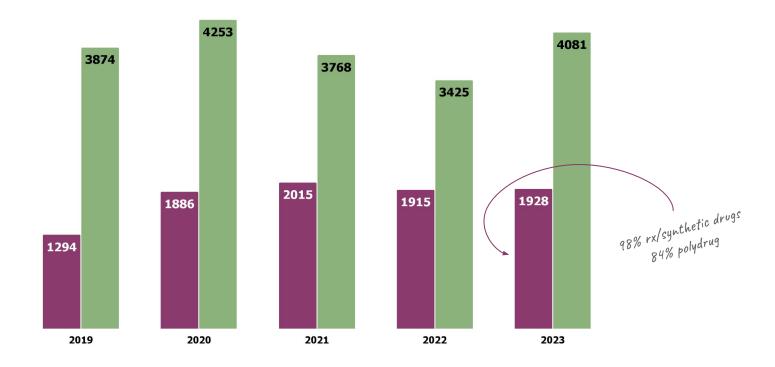
Annual <u>non-fatal</u> opioid overdoses in Arizona remain high, but stable.

In 2023, fentanyl (75%), meth/amphetamine (33%), and benzodiazepine (12%) were the most reported drug types in non-fatal opioid events.





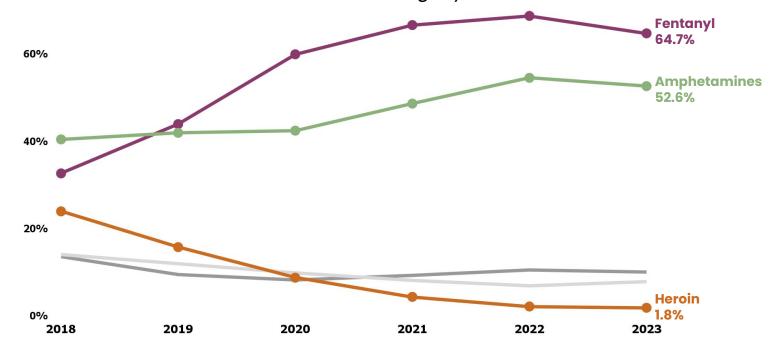
Annual <u>non-fatal</u> opioid overdoses in Arizona remain high but stable, as do annual <u>fatal</u> opioid overdoses.





From 2018 to 2023, deaths involving <u>fentanyl</u> and <u>amphetamines</u> increased while deaths involving <u>heroin</u> steadily decreased.

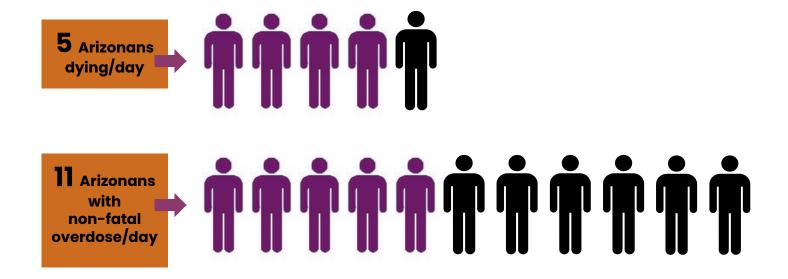
During this time, deaths from cocaine and sedatives slightly decreased.





In Arizona, <u>fentanyl</u> is involved in most opioid overdoses.

In 2023, 5 Arizonans a day died from an opioid overdose and 11 Arizonans experienced a non-fatal overdose.





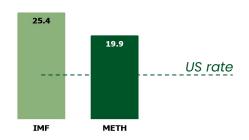
In 2022, Arizona had a lower rate of overdose deaths by <u>illegally-made fentanyls (IMF)</u> than the US.





In 2022, Arizona had a lower rate of overdose deaths by <u>illegally-made fentanyls (IMF)</u>; a higher rate of overdose deaths by <u>methamphetamine (METH)</u> than the US.

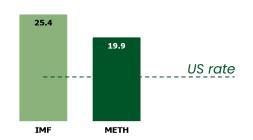


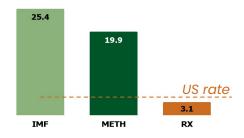




In 2022, Arizona had a lower rate of overdose deaths by <u>illegally-made fentanyls (IMF)</u>; a higher rate of overdose deaths by <u>methamphetamine (METH)</u>; and a lower rate of overdose deaths by <u>prescription (RX) opioids</u> than the US...

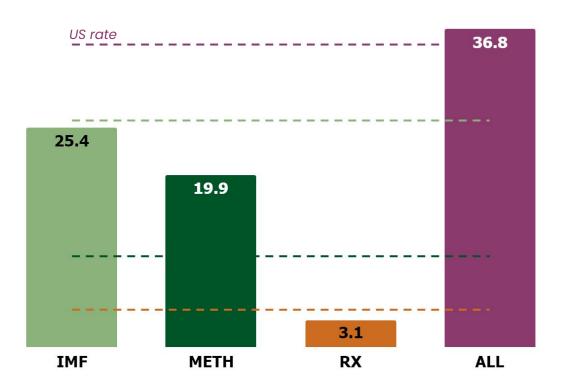








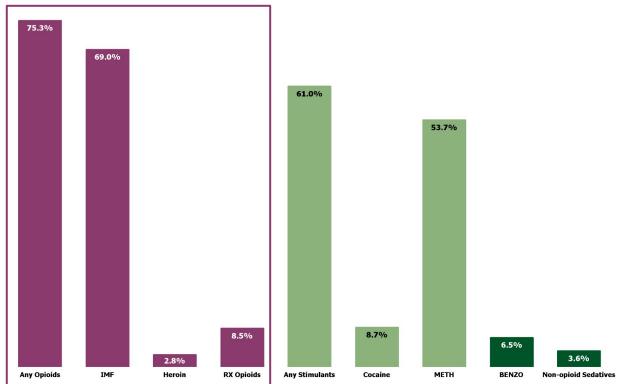
...but had a higher rate of overdose deaths by <u>all drugs</u> than the US.





In 2022, 75.3% of overdose deaths involved at least one opioid.

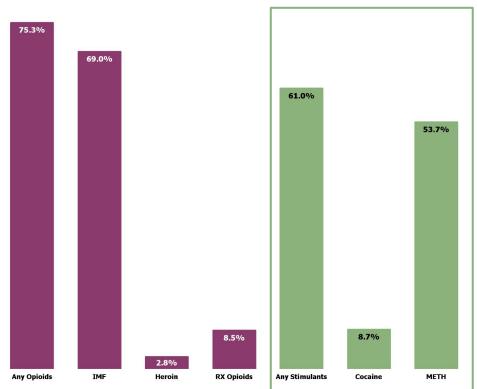
Illegally-made fentanyls (IMF) were the most commonly involved opioids.





In 2022, 61% of overdose deaths involved at least one stimulant.

The most common stimulant involved in overdose deaths was methamphetamine (METH).

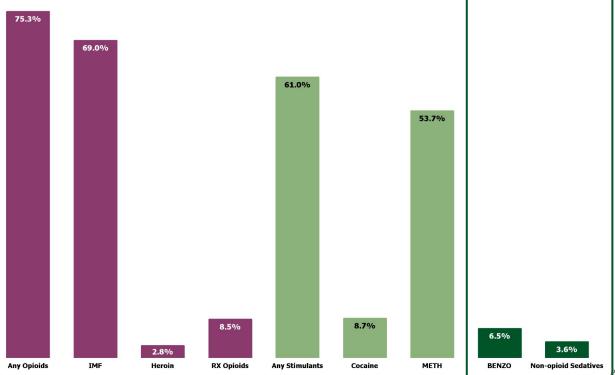


6.5% BENZO

3.6%

In 2022, 6.5% of overdose deaths involved at least one benzodiazepine.

Non-opioid sedatives were found even less.





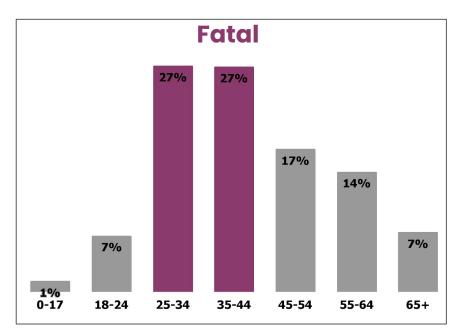
Percentages are not mutually exclusive.

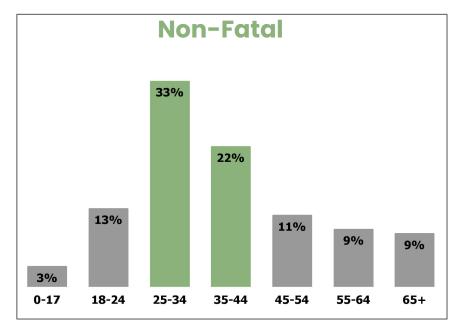
1 Year Data from Arizona



In 2023, over 50% of those who suffered <u>fatal</u> and <u>non-fatal</u> opioid overdoses in Arizona were aged 25 to 44 years old.

Targeted prevention and treatment efforts in this age range are needed to address the opioid crisis.

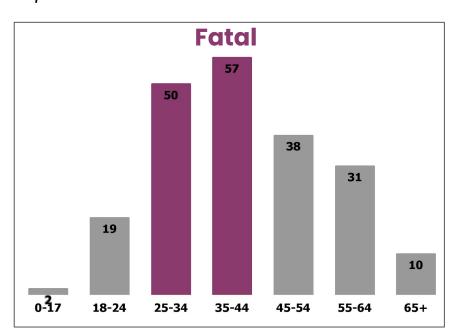


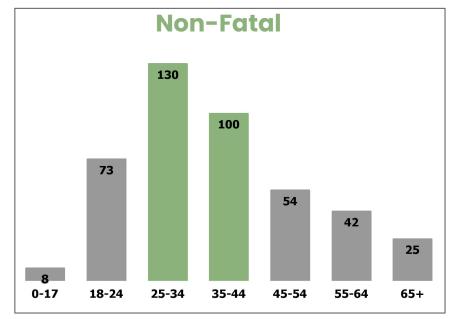




Arizonans aged 25 to 44 years old also suffered the highest rates of <u>fatal</u> and <u>non-fatal</u> opioid overdoses.

Targeted prevention and treatment efforts in this age range are needed to address the opioid crisis.

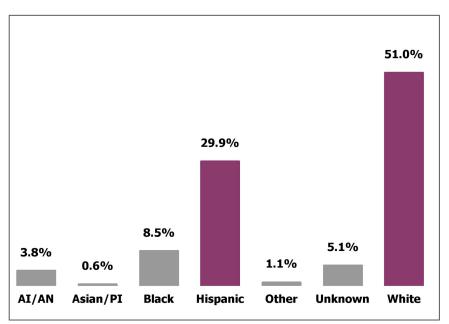






White and Hispanic or Latino Arizonans made up over 80% of <u>fatal</u> opioid overdoses, but...

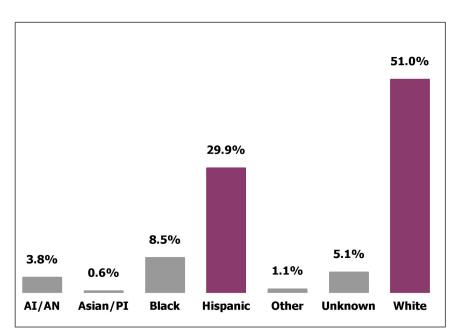
Significant racial and ethnic disparities exist in opioid overdose mortality rates.

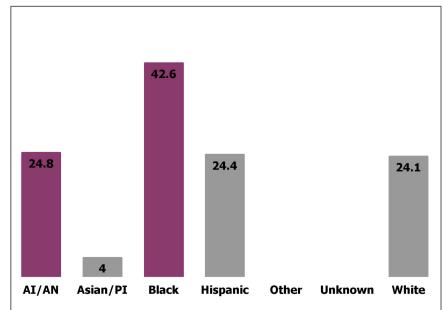




...Black and American Indian or Alaska Native Arizonans had the highest rates of <u>fatal</u> opioid overdoses.

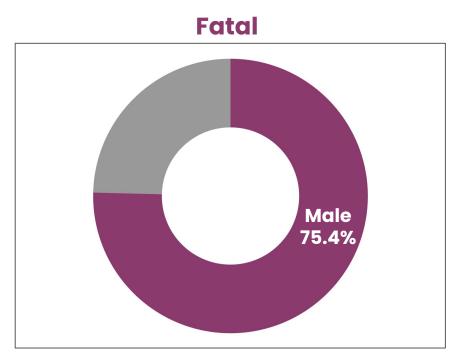
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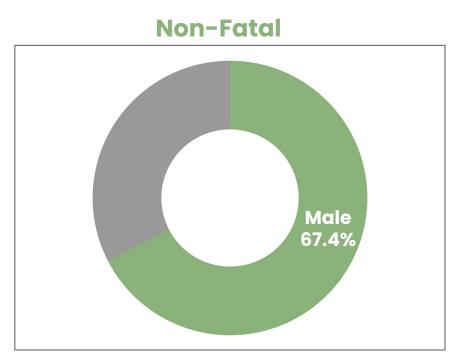






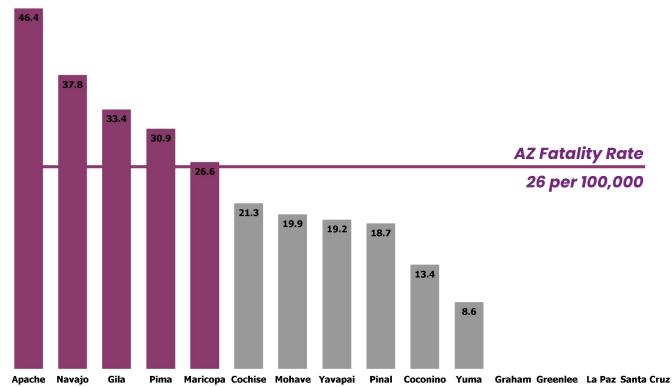
Males were more likely to experience <u>fatal</u> and <u>non-fatal</u> opioid overdose events.







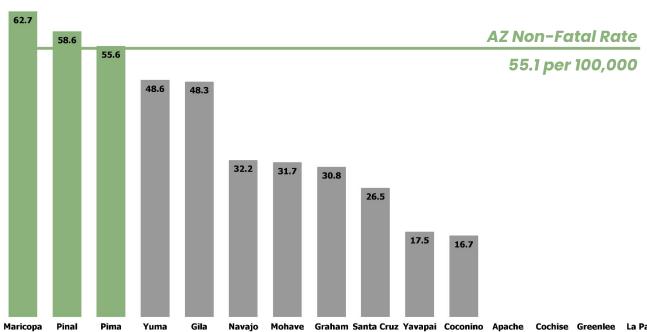
Apache, Navajo, Gila, Pima, and Maricopa Counties experienced opioid <u>fatality</u> rates higher than the statewide rate.





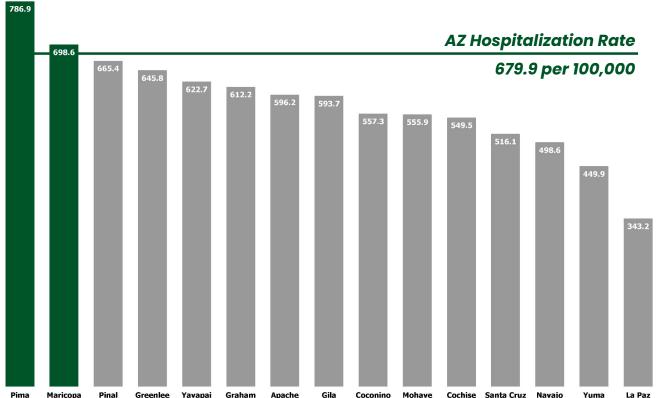
Rate per 100,000 population

Maricopa, Pinal, and Pima Counties experienced <u>non-fatal</u> opioid overdose rates higher than the statewide rate.



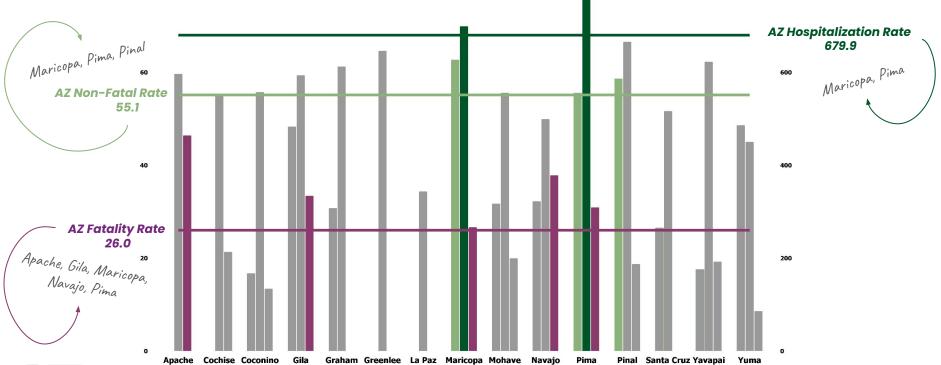


Pima and Maricopa Counties experienced <u>hospitalization and</u> <u>emergency department visit</u> opioid overdose rates higher than the statewide rate.





Maricopa and Pima Counties experienced <u>fatal</u> opioid rates, <u>non-fatal</u> opioid rates and opioid-related <u>hospitalization and emergency</u> <u>department visit</u> rates higher than the statewide rate.

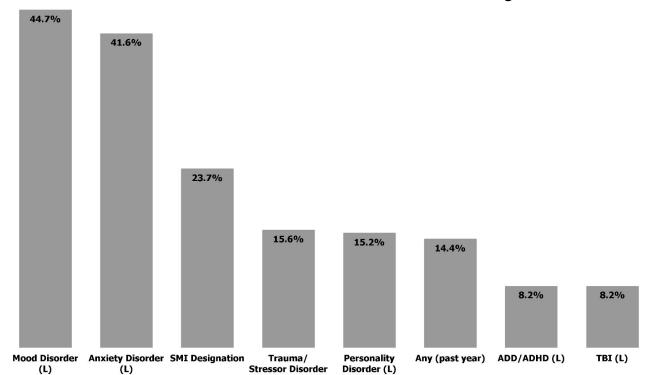




Fatal and non-fatal rate per 100,000 population Hospitalizations/ED visit rate per 100,000 visits

The 2021 Overdose Fatality Review Board identified contributing conditions to <u>fatal</u> overdoses, including...

over 60% of cases had a behavioral health diagnosis

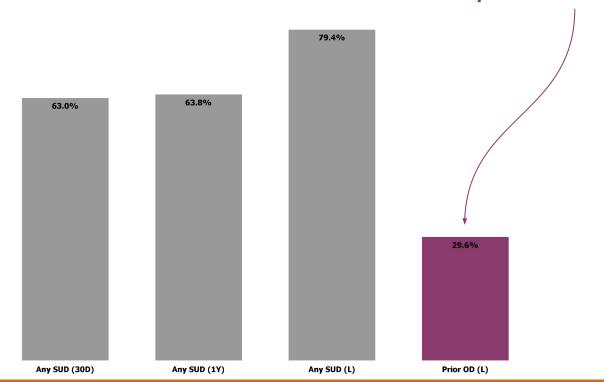




SMI = Serious Mental Illness TBI = Traumatic Brain Injury L = lifetime diagnosis

The 2021 Overdose Fatality Review Board identified contributing conditions to <u>fatal</u> overdoses, including...

almost 80% of cases had a substance use disorder, 30% of which had a prior overdose episode

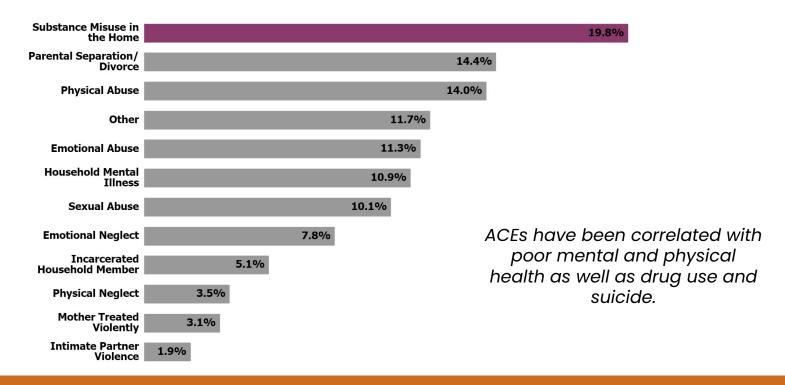


30D = past 30 days diagnosis 1Y = past year diagnosis L = lifetime diagnosis



The 2021 Overdose Fatality Review Board identified contributing conditions to <u>fatal</u> overdoses, including...

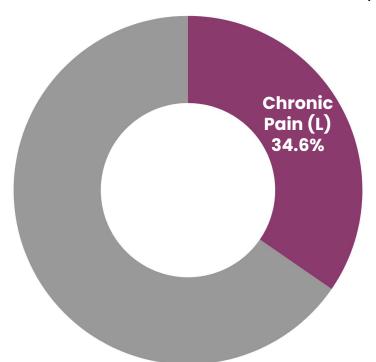
substance misuse in the home was the most common Adverse Childhood Event (ACE) reported





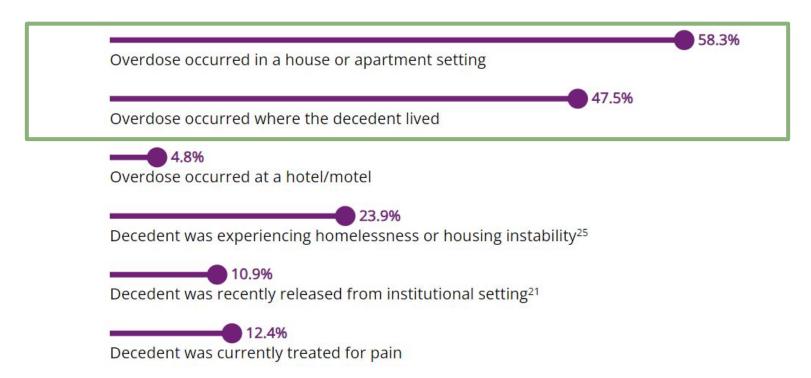
The 2021 Overdose Fatality Review Board identified contributing conditions to <u>fatal</u> overdoses, including...

a third of cases (35%) suffered from chronic pain



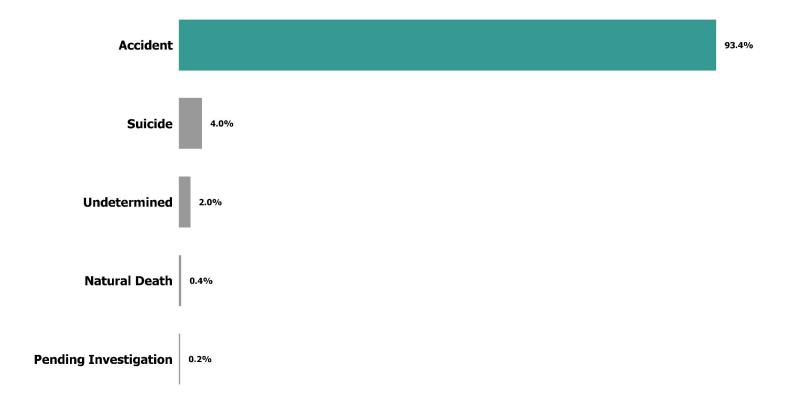


In 2022, the circumstances of death: At home...





In 2022, the circumstances of death: At home, <u>an accident</u>.





20 Year Data from U.S. and Arizona	RISE IN OPIOID DEATHS	
5 Year Data in Arizona	RISE IN METHAMPHETAMINE	
1 Year Data in Arizona	DISPARITIES IN FOCUS	



Arizona Surveillance Summary

 Opioid overdose deaths occur most often in males, aged 24-44, who are White or Hispanic who use synthetic opioids.

 Gila, Maricopa, and Pima Counties experienced fatal opioid rates, non-fatal opioid rates and opioid-related hospitalization and emergency department visit rates higher than the statewide rate.

We need more data and analysis to elucidate the risk factors.





Prevention & Intervention





of drug overdose deaths had **at least** one potential opportunity for intervention

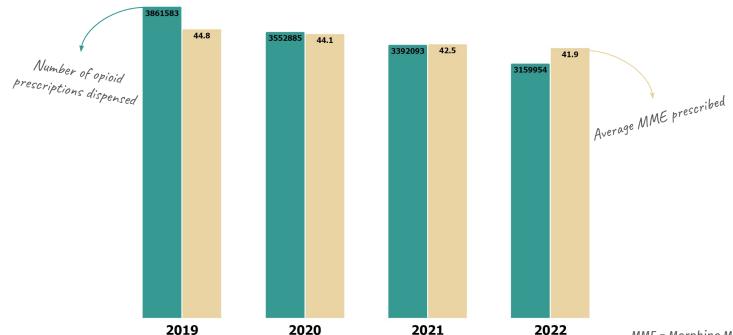


1. Check the PDMP



Arizona practitioners are reducing opioid prescriptions and MME.

A nationwide study found that when prescribers are mandated to check the PDMP, prescription opioid deaths decreased by 9% and benzodiazepine deaths decreased by 11%.

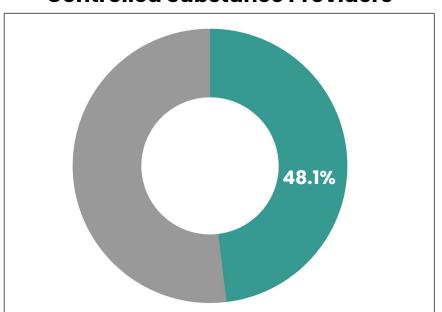




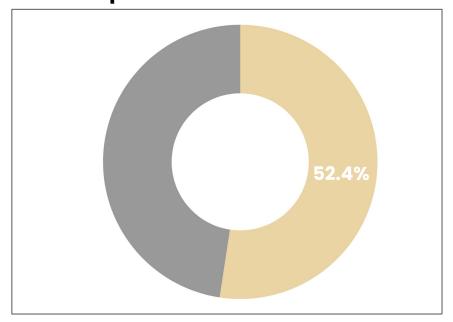
MME = Morphine Milligram Equivalent

But in 2022, only about half of providers are checking the Controlled Substance Prescription Monitoring Program (CSPMP)...

Controlled Substance Providers

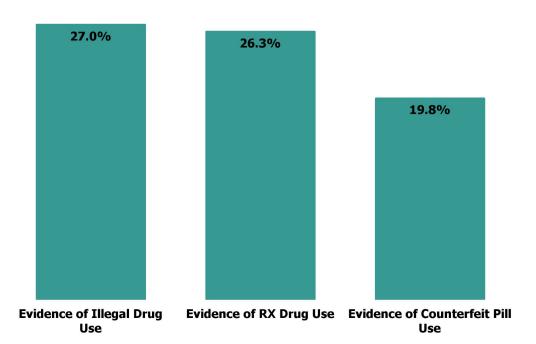


Opioid + Benzo Providers





...and there was evidence of prescription drug use in over a quarter of <u>fatal</u> opioid overdose scenes.







The PDMP needs to be checked every time.

- Arizona clinicians must register for the PDMP.
- Arizona clinicians must check the PDMP before prescribing an opioid analgesic or benzodiazepine controlled substance listed in schedule II, III or IV for a patient.
- Arizona clinicians must check the PDMP then at the beginning of each new course of treatment and at least quarterly that while prescription remains a part of the treatment.

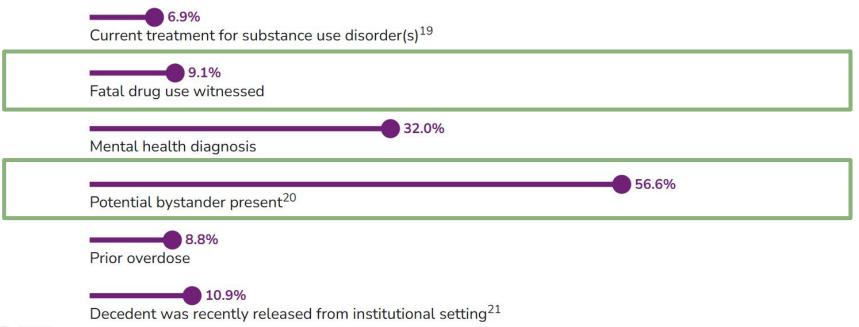


2. Distribute Naloxone



In 2022, over half of <u>fatal</u> overdoses had a potential bystander present or drug use was witnessed...

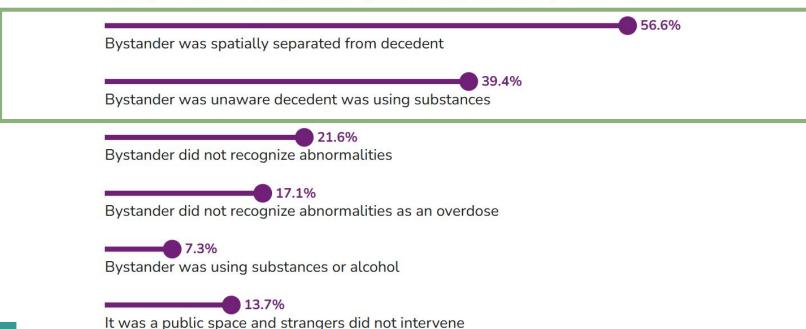
This could provide an opportunity for potential immediate life-saving intervention (Naloxone).





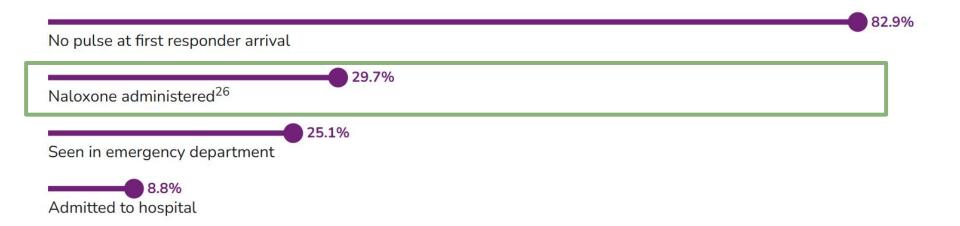
...however, a majority of bystanders were spatially separated or unaware substances were being used...

Among deaths with no bystander response, reasons for nonresponse included:





...and Naloxone was only administered about 30% of the time prior to first responder arrival.





NALOXONE CAN BE IMPACTFUL ON A POPULATION LEVEL.

Original Investigation | Substance Use and Addiction

May 30, 2024

Evaluation of Strategies to Enhance Community-Based Naloxone Distribution Supported by an Opioid Settlement

Xiao Zang, PhD1; Alexandra Skinner, MPH2; Maxwell S. Krieger, BS2; et al

A naloxone supply-based approach could reduce overdose deaths by **6.3%.** Increasing witnessed overdoses by 20% could reduce deaths by **8.5%.** Combining naloxone distributions with interventions to address solitary drug use could lead to a reduction in opioid overdose deaths by up to **37.4%.**



NALOXONE IS AVAILABLE: free to members of the public



WHO SHOULD CARRY NALOXONE?

- → People who are taking high-dose opioid medications (≥ 50 MME per day) prescribed by a doctor
- → People who use opioids and benzodiazepines together
- > People who use illicit opioids like heroin

ADHS has naloxone available at <u>no cost</u> for law enforcement agencies, county health departments, <u>hospital</u> and <u>medical center emergency departments</u>, and community-based organizations such as substance use prevention coalitions, harm reduction organizations, and family and homeless shelters. **ADHS**Naloxone Kit Request HERE.



NALOXONE IS AVAILABLE: free to members of the public

ARIZONA GRANT FUNDED NALOXONE

- → State Opioid Response (SOR) is the primary source of funding for nasal naloxone.
 - Additional one-time funding from the Substance Use Block Grant (SUBG/SUPTRS) was allocated to ADHS to support the need to expand the available supply of naloxone.
- Stabilizing the supply of naloxone across the state is critically important, and we are actively communicating with counties and cities who are planning their opioid settlement strategic plans.







NALOXONE IS AVAILABLE: through a standing order



STANDING ORDERS FOR NALOXONE

This standing order is issued by Dr. Lisa Villarroel, MD MPH (NPI #159808596), Chief Medical Officer of Public Health Services at the Arizona Department of Health Services. The standing order authorizes any Arizona-licensed pharmacist to dispense naloxone to any individual in accordance with the conditions of this order.

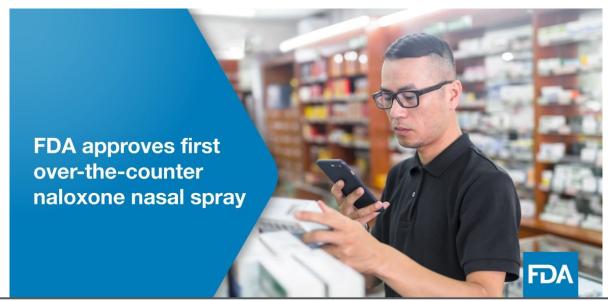
One of the following naloxone products can be dispensed to eligible persons based on product availability and preference.

- - Refills: PRN x 1 year

Lisa Villarroel, MD MPH, Chief Medical Officer of Public Health Services, ADHS Signed 8/23/23, expires 8/22/24



NALOXONE IS AVAILABLE: over the counter

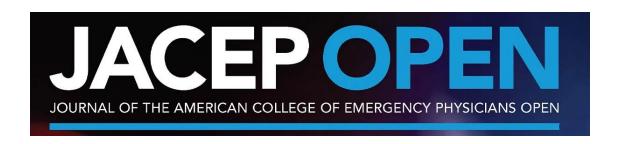


Agency Continues to Take Critical Steps to Reduce Drug Overdose Deaths Being Driven Primarily by Illicit Opioids

For Immediate Release: March 29, 2023



NALOXONE IS AVAILABLE: from healthcare providers



Emergency departments (EDs) may be a particularly effective venue for naloxone distribution, as many individuals experiencing overdoses or other health outcomes related to both licit and illicit opioid use are seen in EDs. Distributing naloxone to these patients may help to prevent future adverse outcomes.

The American College of Emergency Physicians supports naloxone distribution in EDs as an important intervention to prevent overdose deaths. ¹²



NALOXONE IS AVAILABLE: from healthcare providers

In FFY24, **55 Hospitals** and **10 freestanding Emergency Departments** participated in AHCCCS naloxone Differential Adjusted Payment (DAP) strategies.

d. Naloxone Distribution Program (0.5%)

Hospitals with an Emergency Department that meet the following milestones are eligible to earn a 0.5% DAP increase on all inpatient and outpatient services.

- ii. Milestone #1: No later than April 30, 2023, the hospital must submit a Letter of Intent (LOI) to AHCCCS to the following email address: AHCCCSDAP@azahcccs.gov, indicating that they will participate in the Naloxone Distribution Program (NDP). The LOI must contain each facility, including AHCCCS ID(s) and corresponding NPI(s), that the hospital requests to participate in the DAP.
- ii. Milestone #2: No later than November 30, 2023, develop and submit a facility policy that meets AHCCCS/ADHS standards for a NDP.
- iii. Milestone #3: No later than January 1, 2024, begin distribution of Naloxone to individuals at risk of overdose as identified through the facilities' policy.

If a hospital submits a LOI and receives a DAP increase for CYE 2024 but fails to achieve one or more of the milestones by the specified date or fails to maintain its participation in the milestone activities, the hospital will be ineligible to receive this DAP for CYE 2025, if a DAP is available at that time.



NALOXONE IS AVAILABLE: from healthcare providers

In FFY25, **72 Hospitals** and **24 freestanding Emergency Departments** participated in AHCCCS naloxone Differential Adjusted Payment (DAP) strategies.

d. Naloxone Distribution Program (0.5%)

Hospitals with an Emergency Department that meet the following milestones are eligible to earn a 0.5% DAP increase on all inpatient and outpatient services.

Cohort 1: Hospitals with an Emergency Department that participated in the NDP DAP in CYE 2024.

- i. Milestone #1: No later than April 1, 2024, the hospital must submit a Letter of Intent (LOI) to AHCCCS to the following email address: AHCCCSDAP@azahcccs.gov, indicating that they will participate in the Naloxone Distribution Program (NDP). The LOI must contain each facility, including AHCCCS ID(s) and correspondingNational Provider Identifier(s) (NPI), that the hospital requests to participate in the DAP.
- ii. Milestone #2: No later than November 30, 2024, the hospital must develop and submit a current facility policy that ensures hospitals are purchasing Naloxone through standard routine pharmacy ordering.
- Milestone #3: No later than February 28, 2025, the hospital must submit a Naloxone Distribution Program Attestation to AHCCCS to the following email address: AHCCCSDAP@azahcccs.gov.

Cohort 2: Hospitals with an Emergency Department that have **not** participated in the NDP DAP in CYE 2024.

- i. Milestone #1: No later than April 1, 2024, the hospital must submit a Letter of Intent (LOI) to AHCCCS to the following email address: AHCCCSDAP@azahcccs.gov, indicating that they will participate in the Naloxone Distribution Program (NDP). The LOI must contain each facility, including AHCCCS ID(s) and corresponding National Provider Identifier(s) (NPI), that the hospital requests to participate in the DAP.
- Milestone #2: No later than November 30, 2024, the hospital must develop and submit a facility policy that meets AHCCCS/ADHS standards for a NDP.
- Milestone #3: No later than January 1, 2025, the hospital must begin distribution of Naloxone to individuals at risk of overdose as identified through the facilities' policy.
- iv. Milestone #4: No later than February 28, 2025, the hospital must submit a Naloxone Distribution Program Attestation to AHCCCS to the following email address: AHCCCSDAP@azahcccs.gov.



NALOXONE IS AVAILABLE: to schools

The taskforce includes representatives from schools, health care, law enforcement, and other interested stakeholders.

SCHOOL TRAINING
OVERDOSE PREPAREDNESS
& INTELLIGENCE TASKFORCE
(STOP-IT)

On November 13th and 14th, over 16,000 naloxone kits were distributed to Arizona schools!

The Arizona Department of Education leads this initiative in collaboration with AHCCCS (funding support), ADHS (naloxone ordering support), and the Arizona National Guard (staff, vehicles, time, and logistical support).

NALOXONE IS AVAILABLE: at delivery sites

Neonatal Abstinence Syndrome (NAS) is underreported across the state. AHCCCS and ADHS work to improve NAS data reporting and distribute naloxone to parents.

- → AHCCCS, ADHS, and Contexture (contracted partner) are improving the completeness, accuracy, and frequency of birth characteristics data reported.
- → Over 1,500 naloxone kits are available for participating delivery sites and community based programs that work directly with parents.
- → Webinar trainings, a data entry help guide, and other staff training resources were developed and will be available on the ADHS site.

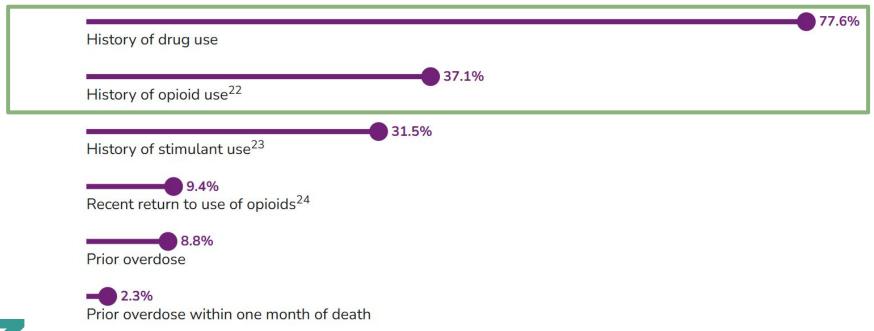


3. Utilize Medications for Opioid Use Disorder (MOUD)



In 2022, over 75% of <u>fatal</u> overdoses were in Arizonans who had a known history of drug use...

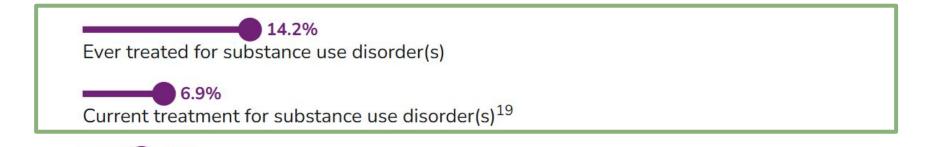
This could provide an opportunity for treatment and harm reduction interventions.





...but less than 15% had ever been treated and less than 7% were currently in treatment upon death.

Access to care is known to be a limiting factor for successful treatment.



Prescribed medications for opioid use disorder

5.0%



MOUD is the evidence-based treatment for opioid use disorder.

CDC Clinical Practice Guideline for Prescribing Opioids for Pain — United States, 2022

"Clinicians should... offer treatment or refer the patient for treatment with medications for opioid use disorder."





MOUD is the evidence-based treatment for opioid use disorder.

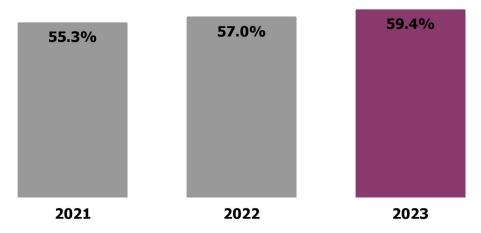
Below is a summary of benefits of treatment (\Box) or neutral/no effect (?) by medication.

	Buprenorphine	Methadone	Naltrexone XR
Reduced Mortality (primarily by opioid overdose)			?
Treatment Retention			
Reduced Illicit Opioid Use			
Reduced Opioid Cravings			
Improved Patient Health and Well-being			?



Although barriers have been removed, MOUD is not utilized enough.

National Substance Use and Mental Health Services Survey (N-SUMHSS)
Use of Pharmacotherapies in Substance Use Treatment Facilities



% of facilities providing MOUD



Although barriers have been removed, MOUD is not utilized enough.

In 2023, the federal requirement for practitioners to apply for a special waiver (X-Waiver) prior to prescribing buprenorphine for the treatment of opioid use disorder was removed.

Buprenorphine Prescribing Characteristics Following Relaxation of X-Waiver Training Requirements

"...relaxing buprenorphine training requirements was associated with an increase in the number of clinicians eligible to prescribe buprenorphine. However, in general, <u>no</u> <u>change in the number of clinicians prescribing buprenorphine or patients</u> <u>receiving buprenorphine treatment was found</u>."

JAMA 2024



Although barriers have been removed, MOUD is enough.

In 2023, the federal requirement for practitioners to apply for a special wa to prescribing buprenorphine for the treatment of opioid use disorder was

Physician Reluctance to Intervene in Addiction: A Systematic Review

"In this systematic review of reasons for physician reluctance to intervene in addiction, the most common reasons were <u>lack</u> <u>of institutional support, knowledge, skill, and cognitive</u> <u>capacity</u>."

JAMA 2024

Table 4. Top 4 Reasons for Reluctance Examples

Top 4 reasons for reluctance and exemplars

Institutional environment Regulatory and liability concerns

Lack of trained staff

Lack of acceptance of addiction interventions by leadership

Cost to the patient or lack of insurance coverage

Lack of clinician backun

Medication unavailability at pharmacies

Lack of resources to train staff

Physician reimbursement insufficient to cover both the staff time necessary to intervene in addiction and the expense of additional staff training

Record keeping or confidentiality concerns

Absence of population-specific patient education materials

Lack of acceptance of addiction interventions by staff

Nonexistent or unimplemented treatment algorithms

Lack of staff time required for prior authorizations

ontractual limitation

Mental health programs not accepting patients with addiction

Addiction treatment programs rejecting patients deemed insufficiently ready to change or having difficulty matching the level of care needed

Difficulty obtaining records from addiction treatment programs

Medicaid reimbursement specifically highlighted as inadequate

Physicians perceived the reimbursement to be inadequate but were not certain of the reimbursed amount

ack of knowle

Knowledge was more deficient for treatment than for screening or diagnosis and for drug use more than for alcohol

Physicians unfamiliar with the evidence for SUDs as biomedical conditions

Unfamiliar with harm reduction strategies

Unfamiliar with substance use screening

Physicians lacked awareness of the extent of substance use in their patients

Lack of skill

Lack of skills to conduct interventions effective enough to produce behavior change, including counseling

Lack of skill needed to initiate or manage treatment, especially for SUDs other than alcohol or tobacco

Lack of experience with observing or delivering an SUD intervention under supervision

Lack of skills to conduct brief intervention

Inabilities to assemble or demonstrate naloxone administration devices

Inability to deliver appropriate training in its use to patients

Lack of cognitive capacity

Intervening in addiction as too time-consuming, both during the appointment and for monitoring

Need to prioritize patients' competing needs

A general sense of overwhelm with clinical tasks (eg, "just too busy")

Delegating screening to other clinical team members was viewed as diverting time from the physician visit Available tools were considered time-consuming



Arizona is trying something new to address MOUD utilization.

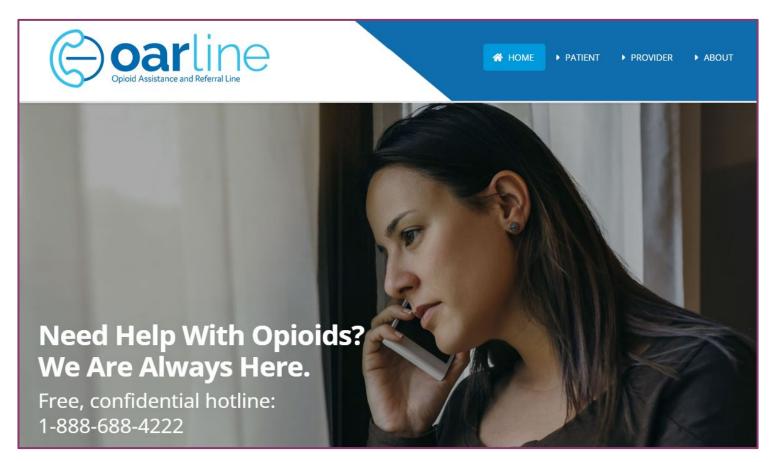
There is currently statewide collaboration through the "Arizona Clinical Opioid Workgroup" to establish a <u>standardized metric</u> for statewide healthcare systems and payors on the utilization of MOUD.

Patients on MOUD

Patients with OUD

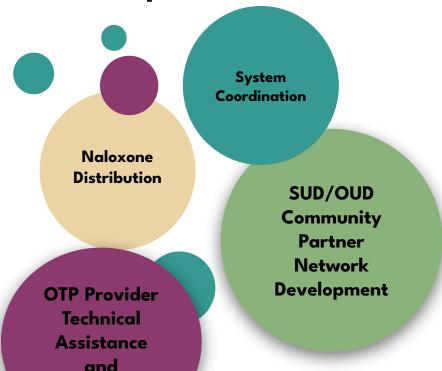


The OARLine can be used for clinician assistance.





State Opioid Treatment Authority (SOTA) Role



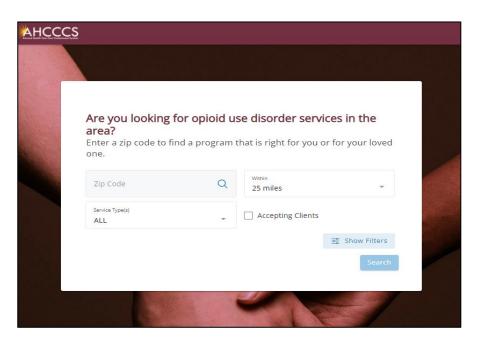
A central hub for opioid treatment, recovery support, and community network development, providing technical assistance to Opioid Treatment Programs (OTPs) and coordinating efforts with Arizona, as well as state and national agencies, to address the opioid crisis.

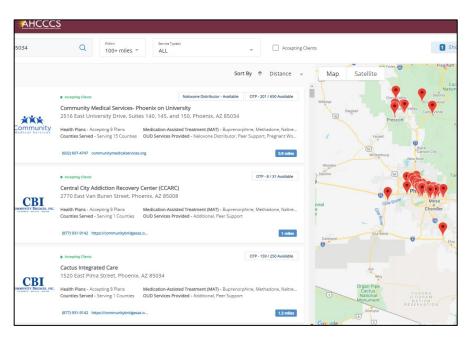
AZ SOTA: Catherine Dobler catherine.dobler@azahcccs.gov 602-417-4768



Compliance

The AHCCCS OUD Service Locator provides access to resources for MAT and OUD services.









Arizona has four 24/7 Access Point locations providing opioid treatment services to individuals seeking treatment.

Provider	Address	Phone Number
CODAC Health, Recovery and Wellness	380 E. Ft. Lowell Road Tucson, AZ 85705	520-202-1786
Community Bridges, East Valley Addiction Recovery Center	560 S. Bellview Mesa, AZ 85204	480-461-1711
Community Medical Services	2806 W. Cactus Road Phoenix, AZ 85029	602-607-7000
Intensive Treatment Systems, West Clinic	4136 N. 75th Ave #116 Phoenix, AZ 85033	623-247-1234



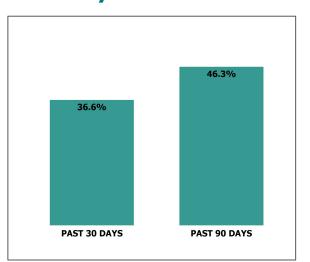
4. Intervention at Healthcare Access



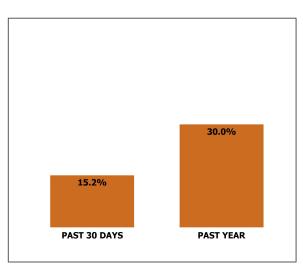
Fatal overdoses can be preventable.

In 2021, nearly half of persons who experienced fatal overdoses accessed healthcare (including behavioral health or chronic pain management) within the 90 days before their death.

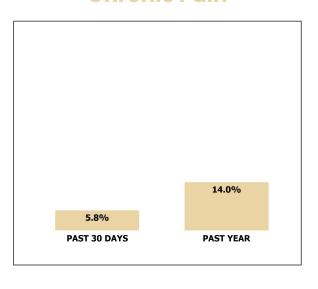
Any Healthcare



Behavioral Health



Chronic Pain







From best practices...

- Screen for unhealthy drug use in adults 18+ years (USPSTF Grade B) when services can be offered or referred..
- Dispense (not just prescribe) naloxone for all those at risk, and give education to patient and caregiver.
- Link the individual to a care provider to manage addiction, often requires a social worker or care coordinator.
- Initiate MOUD.





Resources



Opioid overdose data in Arizona is updated every Thursday.





The Substance Abuse Coalition Leaders of Arizona (SACLAz) provides <u>toolkits</u> to build healthier communities across Arizona.

- → Fentanyl & Counterfeit Pill: Education & Awareness
- → Naloxone: Education & Awareness
- Youth Resiliency Building
- → Addressing Stigma
- → Psychostimulants Methamphetamine: Education & Awareness
- → Youth & Young Adult Fentanyl Messaging
- → Marijuana Toolkit: Addressing Depression, Anxiety, & Suicide









DATA SOURCES

- **SLIDES [6-9]:** Centers for Disease Control and Prevention. Understanding the Opioid Overdose Epidemic. Atlanta, GA: US Department of Health and Human Services, CDC; [2024]. Access at: https://www.cdc.gov/overdose-prevention/about/understanding-the-opioid-overdose-epidemic.html
- **SLIDES [10-11, 15-16]:** ADHS Vital Records (Death Certificates)
- **SLIDES [13-14, 25-26, 29, 31, 33]:** Non-Fatal Arizona data is from the ADHS Medical Electronic Disease Surveillance and Intelligence System (MEDSIS) https://www.azdhs.gov/opioid/dashboards/index.php#nonfatal-overdoses
- **SLIDES [14, 25–30, 33, 39]:** Fatal Arizona data is from the ADHS Health Status and Vital Statistics https://www.azdhs.gov/opioid/dashboards/index.php#overdose-deaths
- SLIDES [17-23, 38, 43-48, 53]: Centers for Disease Control and Prevention. State Unintentional Drug Overdose Reporting System (SUDORS). Final Data. Atlanta, GA: US Department of Health and Human Services, CDC; [2024]. Access at: https://www.cdc.gov/overdose-prevention/data-research/facts-stats/sudors-dashboard-fatal-overdose-data.html?CDC_AAref_Val=https://www.cdc.gov/drugoverdose/fatal/dashboard/index.html
- **SLIDES [32-33]:** Hospitalization and emergency department Arizona data is from the BioSense Platform https://www.azdhs.gov/opioid/dashboards/index.php#emergency-inpatient-visits
- **SLIDES [34-37, 78]:** Arizona data is from the ADHS Overdose Fatality Review (2021) https://www.azdhs.gov/prevention/womens-childrens-health/injury-prevention/index.php#ofr-team
- SLIDES [51-52]: Prescription drug data is from the Arizona Prescription Drug Monitoring Program https://pharmacypmp.az.gov/
- **SLIDE [68]:** Substance Abuse and Mental Health Services Administration. National Substance Use and Mental Health Services Survey (N-SUMHSS): Data on Substance Use and Mental Health Treatment Facilities. Rockville, MD. Center for Behavioral Health Statistics and Quality, SAMHSA; [2024]. Access at: https://www.samhsa.gov/data/data-we-collect/n-sumhss-national-substance-use-and-mental-health-services-survey



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RESOURCE SOURCES

- https://www.azdhs.gov/opioid/documents/naloxone-standing-order.pdf?v=20210915
- https://www.fda.gov/news-events/press-announcements/fda-approves-first-over-counter-naloxone-nasal-spray
- https://www.azahcccs.gov/AHCCCS/Downloads/PublicNotices/rates/CYE24_DAP_Notice.pdf
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- https://www.azed.gov/stopit
- https://www.azdhs.gov/oarline/; https://www.youtube.com/watch?v=fyytHKdHa_E
- https://opioidservicelocator.azahcccs.gov/
- azdhs.gov/opioid/
- saclaz.org/toolkit



THANK YOU!

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