ARIZONA'S RURAL HEALTH TRANSFORMATION PROGRAM OPPORTUNITY

Rural Arizona Opioid Morbidity & Mortality, Prevention & Treatment Services

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KEY POINTS:

- ▶ H.R. 1 was signed into law 7/4/25 . Title VII, Sec. 71401 details the Rural Health Transformation Program (RHTP).1
- ▶ The Governor's Office will coordinate Arizona's response to the CMS RHTP opportunity.
- ▶ One RHTP activity for states is "Supporting access to opioid use disorder treatment services... other substance use disorder treatment services, and mental health services." This is not surprising given the rates of overdose over the past 10 years, particularly from synthetic opioids (Figure 1).
- ▶ Arizona can use RHTP funds to build on the existing substance use care continuum to transform the care for substance use and opioid use disorders (SUD/OUD) and mental health in rural areas.

THE NEED IN ARIZONA:

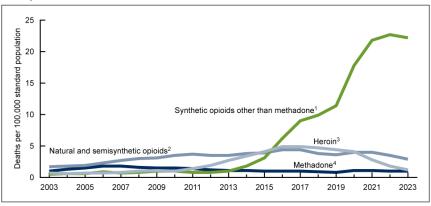
In Arizona more than five people a day die from an overdose primarily driven by prescription opioids and counterfeit pills laced with fentanyl.²

Arizona's rural pregnancy-associated deaths increased between 2018-19. SUD was a contributing factor in 48% among all pregnancy-associated deaths in Arizona.3

Shared priorities between the Arizona Department of Health Services and rural serving Critical Access Hospitals (CAHs) include mental, behavioral health, and substance use services.4

There is limited opportunity for students and professionals.

Figure 1. Age-adjusted rate of drug overdose deaths involving opioids, by type of opioid: United States, 2003-2023



No significant trend from 2003 to 2013; significant increasing trend from 2013 to 2021, with different rates of change over time; no significant trend from 2021 to 2023 ($\rho < 0.05$). Rate in 2023 significant by lower than in 2022 ($\rho < 0.05$). Significant increasing trend from 2003 to 2010, no significant trend from 2010 to 2021; significant decreasing trend from 2021 to 2023 ($\rho < 0.05$). Significant increasing trend from 2003 to 2016, with different rates of change over time; significant decreasing trend from 2016 to 2023, with different rates of change over time; one continue over time; one conti

Garnett MF, Miniño AM. Drug overdose deaths in the United States, 2003–2023. NCHS education and training among healthcare Data Brief, no 522. Hyattsville, MD: National Center for Health Statistics. 2024. DOI: https:// dx.doi.org/10.15620/cdc/170565.

BACKGROUND:

The current rural crisis involves opioids, stimulants, and mental health disorders. This affects families as 19% of the U.S. population reports having a family member or close friend who died from an overdose. Rural communities are hard hit due to access to care, health workforce shortages, lack of technology and funding.

Figures 2 and 39.10 show changes in drug overdose mortality rates from 2016 to 2023. The number of people who died in Arizona from a drug overdose death 2016 was 6.3 to <23.22 per 100,000 total population in 2016, the year prior to the June 5, 2017 declaration of emergency in Arizona.11 In 2023, the rate increased to 23.22-<40.14 per 100,000.

KEY DEFINITIONS:

Substance Use Disorder (SUD):

Occurs when the recurrent use of alcohol and/or drugs causes clinically and functionally significant impairment, such as health problems, disability, and failure to meet major responsibilities at work, school, or home. According to the DSM-5-TR, a diagnosis of SUD is based on evidence of impaired control, social impairment, risky use, and pharmacological criteria.⁵

Opioid Use Disorder (OUD): A

disorder characterized by loss of control of opioid use, risky opioid use, impaired social functioning, tolerance, and withdrawal.⁶

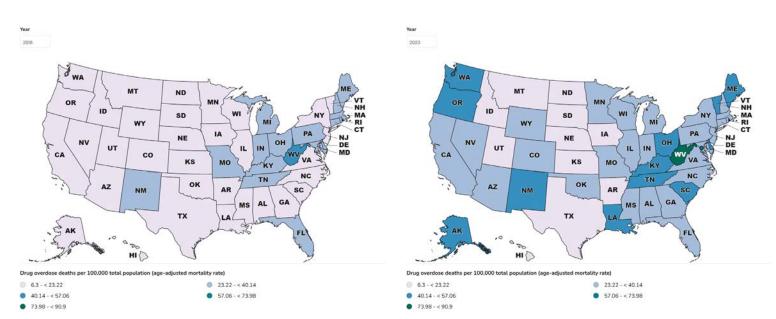


Figure 2: Drug overdose deaths in 2016 per 100,000

Figure 3: Drug overdose deaths in 2023 per 100,000

RELEVANCE TO RURAL ARIZONA:

Table 1 shows fatal, non-fatal overdoses and Emergency Department (ED)/Inpatient (IP) visits for a suspected drug overdose in Arizona since 2017. For this brief, we define rural areas as any county besides Maricopa or Pima. Two of the four counties with a fatal overdose rate higher than the state rate are rural. Four of the six counties with a non-fatal overdose rate higher than the state rate are rural. One rural county has an ED/IP visit rate higher than the state rate.

Since 2019, 7 of the 14 Arizona counties with data report naloxone administration at or above the state rate of 79%.⁴ High mortality rates associated with SUD/OUD include people who survive an opioid overdose. People who survive an overdose are 100 times more likely to die by overdose in the following year, 18 times more likely to die by suicide than the general population, and up to 5.5% of such people treated in an ED die within a year.¹²

Table 1. Arizona Overdose Mortality, Morbidity, Emergency Department/Inpatient Visits, June 2017 - July 2025

	Fatal Overdose (per 100,000) (mortality)	Rank of 15 Counties Highest (worse) (1) to Lowest (15)	Non-fatal overdose (per 100,000) (morbidity)	Rank of 15 Counties Highest (worse) (1) to Lowest (15)	ED/IP (per 100,000)	Rank of 15 Counties Highest (worse) (1) to Lowest (15)
Arizona	20.5	-	47.9	-	714.1	-
Apache	19.2	5	16.6	13	670.5	6
Cochise	15.4	11	13.2	14	622.7	8
Coconino	14.9	12	20.9	12	608.6	9
Gila	22.1*	2	54.6*	1	638.5	7
Graham	16.4	9	52.6*	4	600.0	10
Greenlee	16.0	10	21.7	11	685.4	5
La Paz	21.1*	4	12.6	15	400.0	12
Maricopa	21.6*	3	51.3*	5	714.6*	3
Mohave	17.2	8	38.5	8	537.2	14
Navajo	17.5	7	43.4	7	582.1	12
Pima	23.6*	1	48.9*	6	852.0*	1
Pinal	13.9	14	52.9*	3	700.6	4
Santa Cruz	14.3	13	24.9	10	561.0	13
Yavapai	18.2	6	26.1	9	716.2*	2
Yuma	5.0	15	54.3*	2	585.0	11

Source: Arizona Department of Health Services, Opioid Dashboard, July 31, 2025.

Notes: ED = Emergency department. IP = Inpatient. * = Higher than the Arizona state per 100,000 rate. light blue shaded indicates one or measures above the state rate.

PREVENTION AND TREATMENT:

SUD and OUD are typically progressive disorders that worsen over time.¹³ People may encounter services that provide an opportunity of prevention and referral to treatment For example, the percent of patients using emergency departments show mentions of alcohol (38.9%), polysubstance use (21.3%), cannabis (13.0%), opioids (11.2%), and methamphetamine (6.7%) use.¹⁴ Its unclear how, if at all, these patients received a brief intervention, medications, or referral to specialty care. This is especially relevant given the high mortality rates after an emergency department visit and the high cost of emergency department care.

Not having access to care early and often leads to dissimilarities and disparities particularly for rural populations. For example, American Indian/Alaska Native and Black, Non-Hispanic populations had higher rates of overdose as compared to other racial/ethnic groups and comprise a sizable proportion of rural communities.

Many factors contribute to SUD/OUD risk. The younger a person first uses alcohol, nicotine or other drugs is a strong predictor for future problems.¹³ Injury and chronic pain are a risk factors; 20% of the U.S. population reports chronic pain.¹⁵ Patients who take opioids for pain, as prescribed, may not be identified as needing treatment.¹⁶ Pain and OUD often co-occur with mental health issues such as depression, anxiety, suicidality and certain infectious diseases (e.g., HIV, HCV).^{15,17}

Most people who use or misuse prescription or other drugs do not meet SUD/OUD diagnostic criteria. This means we have to opportunity to interrupt the progression of substance use disorders by transforming rural healthcare. (see Appendix: Substance Use Care Continuum).

Historically, SUD + MH services have been treated in specialty care typically when symptoms have progressively worsened. There are effective and reimbursable SUD health promotion, prevention, and early intervention treatments including integrated behavioral health models that aim to identify and treat symptoms early. Integrated behavioral health models combine general medical and behavioral health services. In practice, scholars have cited treatment complexity, financial constraints, regulatory burdens, and sociocultural challenges as barriers to scaling SUD services. 18,19

It is equally important to address the inadequacy of learning and practice opportunities for health professionals. For example, 68% of medical schools included curriculum events (primarily lectures) about addiction medicine and opioids in academic year 2018-2019. This was an increase from 26% in 2013-2014.²⁰ This means the current medical workforce may not have adequate training in these areas. Arizona developed and implemented the pain and addiction curriculum in 15 schools. The evaluation indicated 10 schools implemented 10 of the 10 recommended curriculum components.²¹ Building on and expanding this curriculum and evaluation can address learning and practice gaps.

TRANSFORMATION OPPORTUNITIES:

Arizona implemented effective SUD/OUD + MH policies, practices, and approaches that contributed to a modest but important decline in non-fatal and fatal overdoses from 2023 to 2024: non-fatal = 4,084 in 2023 decreased to 4,051 in 2024; fatal = 1,928 in 2023 decreased to 1,651 in 2024. Nationally 70 million adults perceive they have a substance use and/or mental health problem, of whom 72% (50 million) consider themselves in recovery or recovered.¹⁹ Prevention and treatment work. Sustaining and expanding rural efforts include:

Supporting the Rural Infrastructure to:

- ▶ Enhance Workforce Development: Compared to national averages AzRHCs consistently report building on the existing infrastructure to allow coordination and collaboration across the substance use care continuum inclusive of people and families with lived experience, first responders, employers, educators, child welfare, justice, and faith communities.
- Train, retain, and provide practice opportunities for the rural health workforce on laws, policies and evidence-based services to address substance use and related issues.
- Expand naloxone availability and train first responders, healthcare providers, community health workers and representatives (CHW/ Rs), peer and family support specialists, and bystanders (e.g., family members, students; educators, employers, and businesses).
- ▶ Use technology to enhance continuity of care across health systems on SUD/OUD + MH issues including telehealth, telepsychiatry, integrated electronic health records, controlled substance prescription monitoring program, and health information exchange.
- ► Amplify existing efforts that produce positive results through systematic evaluation.

Enhancing health services to:

- Expand multi-modal approaches to pain care using opioid stewardship programs.
- Prioritize addressing SUD/OUD + MH for young people, pregnant women, and people who are older.
- ► Educate providers and patients about medication safety and heat.
- ► Integrate CHW/Rs, peer and family support specialists into health delivery settings.
- ► Use developmentally appropriate approaches to enhance health throughout the lifespan.
- ▶ Promote individual, family, and community strengths, resilience, and growth.

Promoting prevention efforts to:

- Expand access to community coalitions to address county wide risk and protective factors.
- Implement evidence-based prevention and treatment using the screening, brief intervention, and referral (SBIRT) framework. SBIRT is scalable, reimbursable, and portable in a variety of settings.
- Engage employers and educators to support prevention efforts in the workplace and schools/universities.
- ► Support prevention strategies throughout the lifespan.

Supporting, enhancing treatment to:

- ► Educate first responders and healthcare providers about the safety and efficacy of pharmacological and behavioral treatments.
- Use mobile and street medicine approaches to provide access to SUD/OUD + MH treatment in remote locations.
- Increase use of medications and brief behavioral interventions for SUD/OUD + MH by starting them in the ED and acute care settings.
- Expand access to SUD/OUD, treatment and support services by coordinating care.
- Ensure continuity of care with community based primary care, pharmacies, and specialty care.

Support recovery efforts to:

- Provide employer incentives to hire people in recovery.
- Expand peer led models such as CHW/ Rs, peer and family support specialists, navigators to provide regular checkups.
- ► Connect recovery communities and their loved ones through volunteer activities, social support, and civic engagement.

APPROACH:

Data in this AzCRH brief is an analysis of publicly available data from the:

Arizona Department of Health Services (ADHS) Opioid Prevention website retrieved on July 31, 2025.

Note: For the purposes of this policy brief, rural areas were defined as all counties except Maricopa and Pima. More precise rural definitions can be found on the AzCRH RHTP Toolkit at https://crh.arizona.edu/arizona-rural-health-transformation-program-toolkit

RESOURCES:

Contact the AzCRH Overdose Data to Action – State (OD2A-S) team at AzCRH-OD2A@arizona.edu with questions.

LAND ACKNOWLEDGEMENT:

This work was primarily conducted on the lands of the O'odham, Yaqui Peoples.

DISCLAIMER:

This brief is intended for information purposes. It was made possible, in part, by funding support from the Arizona Department of Health Services (ADHS) through the Centers for Disease Control and Prevention's (CDC) Overdose Data to Action in States (OD2A-S) cooperative agreement grant number CDC-RFA-CE23-2301. It was also supported by a Career Development Award to B. Murphy funded by the University of Arizona Health Sciences and Mel & Enid Zuckerman College of Public Health. The content presented is solely the responsibility of the authors and does not necessarily reflect the views, opinions or policies of ADHS, CDC, or University of Arizona. This project has been reviewed by the University of Arizona, Human Subjects Participant Protection program and determined not to be human subjects' research.

APPENDIX:

Substance Use Care Continuum⁵

ENHANCING HEALTH

Promoting optimum physical and mental health and well-being, free from substance misuse through health communications and access to health care services, income and economic security, and workplace certainty

PRIMARY PREVENTION

Addressing individual and environmental risk factors for substance use through evidence-based programs, policies, and strategies

EARLY INTERVENTION

Detecting substance use problems at an early stage and providing brief intervention, as needed

TEATMENT

Intervening via

medication, counseling, and supportive services to eliminate symptoms and achieve and maintain sobriety, physical, spiritual, and mental health, and maximum functional ability. Levels of care: Outpatient services; intensive outpatient. partial hospital services; residential, inpatient services: medically managed intensive inpatient services

RECOVERY SUPPORT

Removing barriers and providing supports to aid the long-term recovery process. Including social, educational, legal, and services that facilitate recovery wellness and improved quality of life

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