



Data Sources on Opioid Use

Purpose

The Arizona Center for Rural Health (AzCRH) compiled the following list of data sources to assist agencies, non-profits, organizations, community groups, and coalitions with collecting and assessing data on opioid use. This data can be used in conjunction with [Social Determinants of Health](#) data to identify areas of need to inform grant and program development, and implementation.

This is not an exhaustive list, but it can serve as a starting point to compile and assess data on opioid use. In developing grant proposals and selecting programs or interventions to prevent or treat opioid or other substance use disorders, the AzCRH recommends the use of evidence based prevention and treatment approaches that integrate harm reduction and anti-stigma strategies.

Data Sources

1) Overview of Substance misuse, abuse, and addiction

National Institute on Drug Abuse Report Drugs, Brains, and Behavior, the Science of Addiction
https://d14rmgtrwzf5a.cloudfront.net/sites/default/files/soa_2014.pdf

National Institutes of Health Biology of Addiction
<https://newsinhealth.nih.gov/2015/10/biology-addiction>

The Surgeon General's Report on Alcohol, Drugs, and Health: At a Glance
<https://addiction.surgeongeneral.gov/sites/default/files/report-highlights.pdf>

2) National and State Data

National Overview

Annual Surveillance Report of Drug-Related Risks and Outcomes (2019)
<https://www.cdc.gov/drugoverdose/pdf/pubs/2019-cdc-drug-surveillance-report.pdf>

National Mental Health Services Survey (N-MHSS): 2019, Data on Mental Health Treatment Facilities
<https://www.samhsa.gov/data/report/national-mental-health-services-survey-n-mhss-2019-data-mental-health-treatment-facilities>

National Survey on Drug Use and Health 2019 – SAMHSA
<https://www.samhsa.gov/data/release/2019-national-survey-drug-use-and-health-nsduh-releases>

The State of Mental Health in America (2020) <https://www.mhanational.org/issues/state-mental-health-america> (also includes state data)

State Estimates

2018 -2019 National Survey on Drug Use and Health – State level estimates
<https://www.samhsa.gov/data/report/2018-2019-nsduh-state-estimates-substance-use-and-mental-disorders>



2017-2018 National Survey on Drug Use and Health – 50 State Prevalence Estimate Report
<https://www.samhsa.gov/data/report/2017-2018-nsduh-state-prevalence-estimates>

National Survey of Substance Abuse Treatment Services (N-SSATS): 2019, Data on Substance Abuse Treatment Facilities
<https://www.samhsa.gov/data/report/national-survey-substance-abuse-treatment-services-n-ssats-2019-data-substance-abuse>

Rural and Urban Comparisons

Defining Rural: <https://www.ruralhealthinfo.org/am-i-rural>

“The drug overdose death rate in rural areas is higher than in urban areas,” said CDC Director Brenda Fitzgerald, M.D. “We need to understand why this is happening so that our work with states and communities can help stop illicit drug use and overdose deaths in America.”
<https://www.cdc.gov/media/releases/2017/p1019-rural-overdose-deaths.html>

Morbidity & Mortality Weekly Report Illicit Drug Use, Illicit Drug Use Disorders, and Drug Overdose Deaths in Metropolitan and Nonmetropolitan Areas — United States
https://www.cdc.gov/mmwr/volumes/66/ss/ss6619a1.htm?s_cid=ss6619a1_w

NCHS Data Brief (2019) Urban–rural Differences in Drug Overdose Death Rates, by Sex, Age, and Type of Drugs Involved, 2017
<https://www.cdc.gov/nchs/data/databriefs/db345-h.pdf>

3) ADHS State Data

Opioid Reports

ADHS has a variety of opioid related reports. These reports can be located on their Opioid Epidemic [homepage](#). The most recent report from 2018 on opioid related deaths and hospitalization is linked on this page and [here](#).

State Health Assessment 2019

ADHS published the most recent State Health Assessment in 2019. The assessment includes relevant data including data on substance use and social determinant of health
<https://www.azdhs.gov/documents/operations/managing-excellence/2019-state-health-assessment.pdf>

ADHS Community Profile Data

ADHS Community Profile Dashboard page has the data up to 2017 on drug-induced deaths, opiates/opioids contributing to deaths, heroin contributing to deaths, & pharmaceutical opioids contributing to deaths. Data is available at the state and county level. This data is available within the mortality indicator.
<https://www.azdhs.gov/gis/community-profiles-dashboard/index.php>



4) Native American-Tribal data

Arizona Department of Health Services Tribal Liaison <https://www.azdhs.gov/director/tribal-liaison/index.php>

Tribal Epidemiology Centers <https://tribalepicenters.org/inter-tribal-council-of-arizona-tribal-epidemiology-center/>

Albuquerque Area Southwest Tribal Epidemiology Center Opioid Fact Sheet
https://www.aastec.net/wp-content/uploads/2018/03/AASTE_C_opioids-fact-sheet_17x11_pages.pdf

National Congress of American Indians Policy Research Center, Research policy update
http://www.ncai.org/NCAI_PRC_Research_Policy_Update_-_Opioids_March_2018_FINAL.pdf

5) County Level Data

NORC at the University of Chicago

Opioid Misuse interactive data tool <https://opiodmisusetool.norc.org/>

The County Health Rankings and Roadmap data on Overdose rate

Arizona (by county) Drug Overdose Rate:

<https://www.countyhealthrankings.org/app/arizona/2020/measure/factors/138/data?sort=desc-3>

UDS Mapper

The UDS mapper provides interactive population data at the county level. You can use the MAP for MAT indicators to identify county level data on opioid mortality, prescribing, and dispensing rate. You can also identify the rate and number of DATA waived providers <https://udsmapper.org/>

Issue Brief from Center for Population Science and Discovery

Includes data from hospitals on Emergency Department visits related to substance use disorders (including opioid abuse/dependence). Data is available at the state and county level.

https://pophealth.uahs.arizona.edu/sites/default/files/uploads/issue_brief_vol_1_issue_1.pdf

6) Health Resources

Workforce Shortage Areas

HRSA Shortage Areas

<https://datawarehouse.hrsa.gov/topics/shortageAreas.aspx>

Health Professional Shortage Area (HPSA) and Medically Underserved Area/Medically Underserved Population (MUA/MUP) Data

<https://data.hrsa.gov/tools/shortage-area>

You can use the Health Services Resources Administration [HPSA find tool](#) to locate HPSA (Health Professional Shortage Areas) for Mental Health in Arizona. There are two data elements that might be helpful, the HPSA FTE score which is “This attribute represents the number of practitioners providing ambulatory patient care in the Health Professional Shortage Area (HPSA) expressed as full-time equivalents” and the HPSA Score which is “This attribute represents the Health Professional Shortage



Area (HPSA) Score developed by the National Health Service Corps (NHSC) in determining priorities for assignment of clinicians. The scores range from 1 to 26 where the higher the score, the greater the priority.” You can use this tool to also sort by counties if you are interested in the shortage areas in just one county.

This [table](#) by the Kaiser Family Foundation summarizes the Mental Health Care HPSA designations at the state level and presents the total met need and the number of practitioners needed to remove the shortage designation.

Arizona Department of Health Services (ADHS) Shortage Areas

<https://www.azdhs.gov/prevention/health-systems-development/shortage-designation/index.php>

ADHS Arizona Designation of Arizona Medically Underserved Areas

<https://www.azdhs.gov/documents/prevention/health-systems-development/data-reports-maps/reports/azmua-biennial-report.pdf>

ADHS Arizona Primary Care Needs Assessment

<https://www.azdhs.gov/documents/prevention/health-systems-development/data-reports-maps/reports/primary-care-needs-assessment.pdf>

Arizona’s Behavioral Health Workforce. (2020). Arizona Center for Rural Health.

<https://crh.arizona.edu/publications/crhworks-workforce-report/2882>

Mental Health Providers

The County Health Rankings website provides a good visual map of the mental health provider ratio. The mental health provider by county map is [here](#). If you click on the [data](#) source above the link you will get access to the total mental health providers per county. This is a link to the definition they [use](#).

DEA Waivered Providers

SAMHSA has a list of buprenorphine practitioners [here](#). You can filter by location and has a list of new DATA waived physicians per [year](#). You can also use the treatment locator tool and sort for buprenorphine [providers](#).

ADHS also has a treatment [locator](#). You can search by zip code and if they provide MAT. This is at the facility, not provider level.