

Minnesota's Growing and Evolving Opioid Crisis

Colin Planalp, MPA
Senior Research Fellow, SHADAC

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Background

What are opioids?

 A family of addictive drugs that act on the opioid receptors in pleasure centers of the brain

What are their effects?

Can relieve pain and cause euphoria

Types of opioids:

- Natural opioids, derived from opium poppy (e.g., morphine)
- Semi-synthetic opioids, synthesized from natural opioids (e.g., oxycodone, heroin)
- Synthetic opioids, synthesized from non-opioid compounds to mimic opioid effects (e.g., fentanyl)

Opioid overdose death records

Natural and semi-synthetic opioids

• i.e., prescription opioid painkillers

Heroin

Illicit opioid with no legal medical use

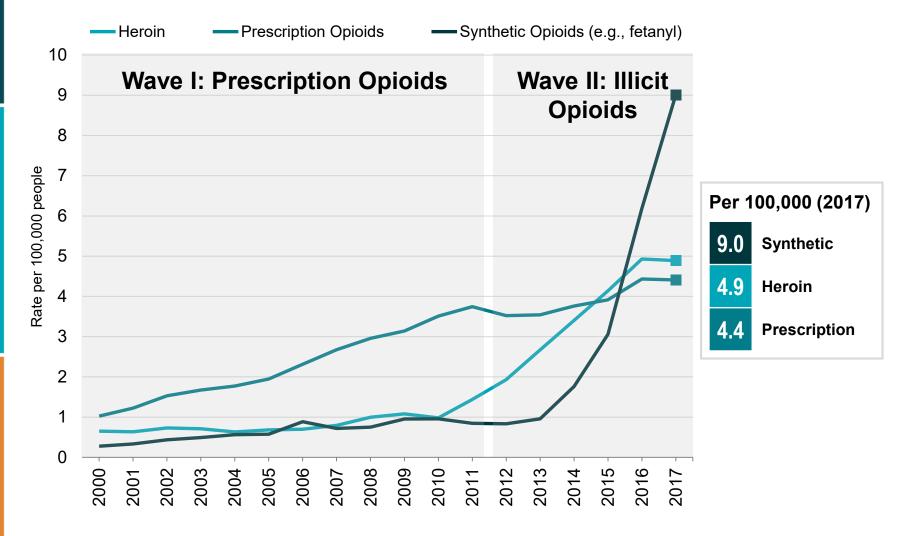
Synthetic opioids

- e.g., fentanyl
- Some have legal medical uses, but deaths dominated by illegally manufactured and trafficked fentanyl

U.S. Trends

Prescription Opioid, Synthetic Opioid, and Heroin Overdose Deaths

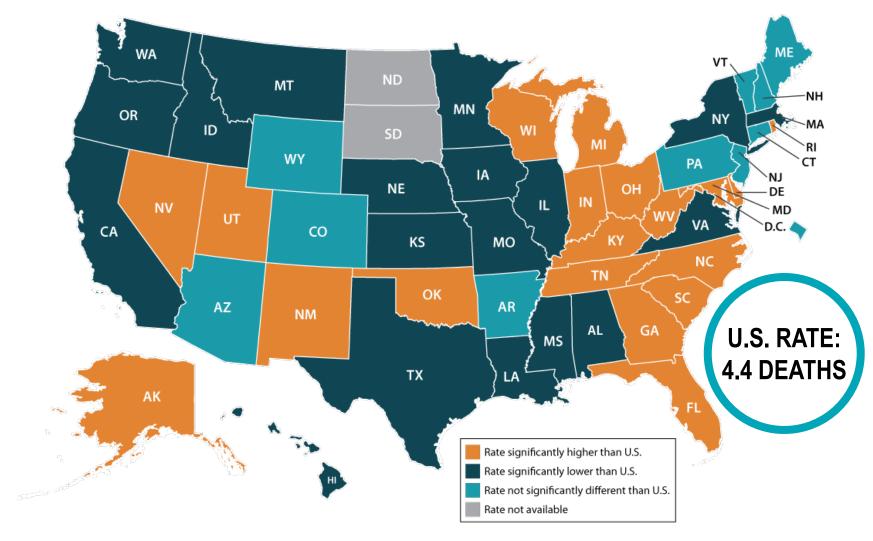
U.S. Opioid Deaths Rates per 100,000 People, by Opioid Type



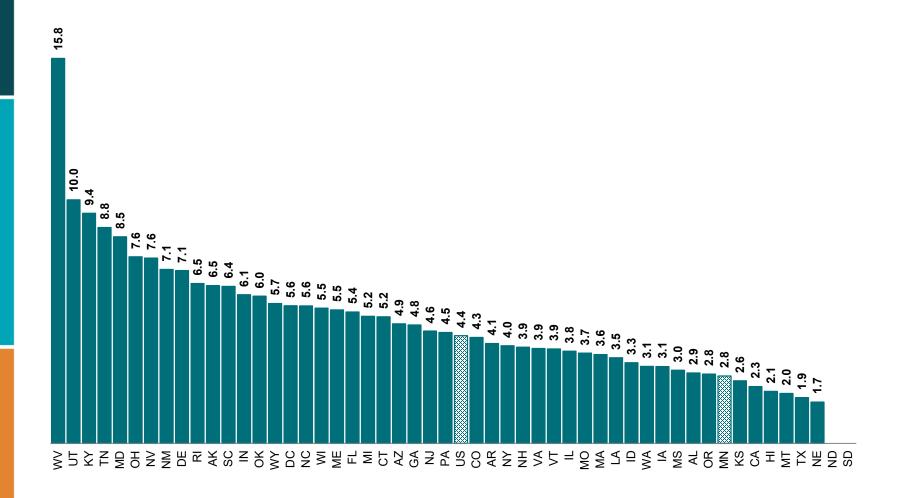
State Trends and Variation

Opioid Overdose Deaths

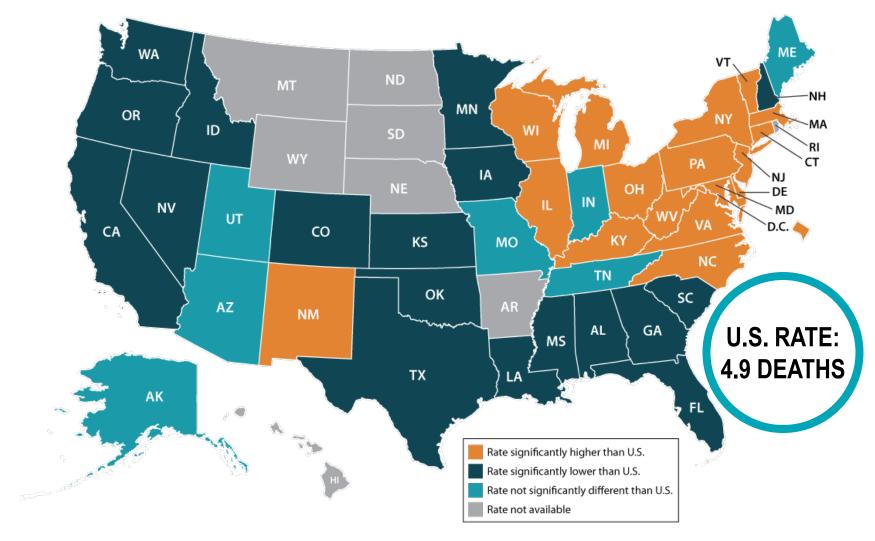
Prescription Opioid Deaths Rates per 100,000 People, 2017



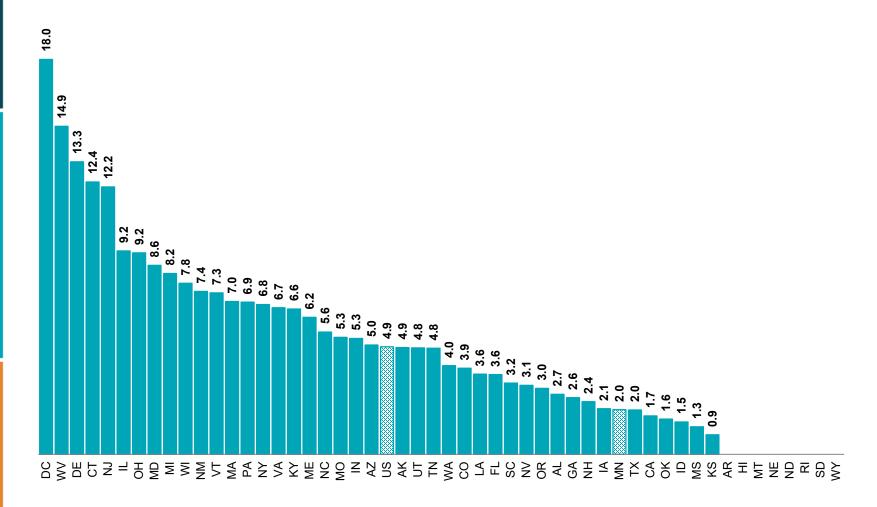
Prescription Opioid Deaths Rates per 100,000 People, 2017



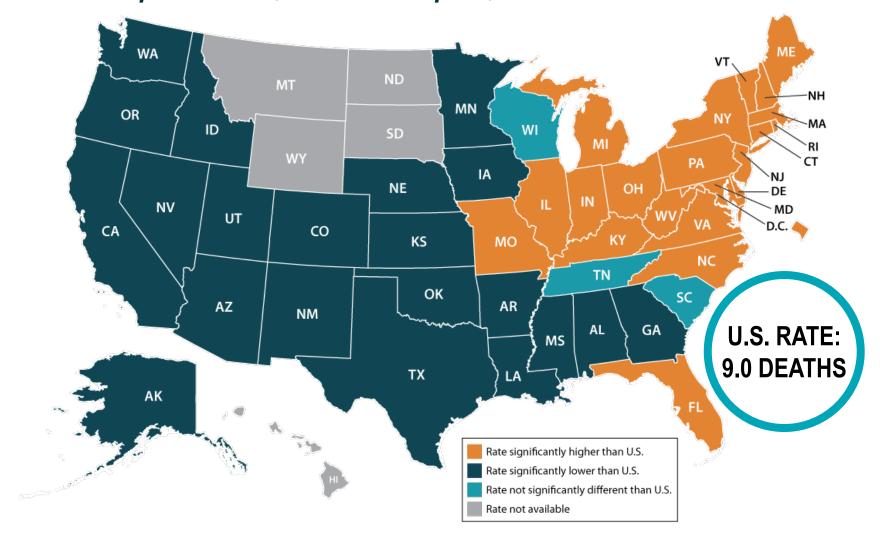
Heroin Deaths Rates per 100,000 People, 2017



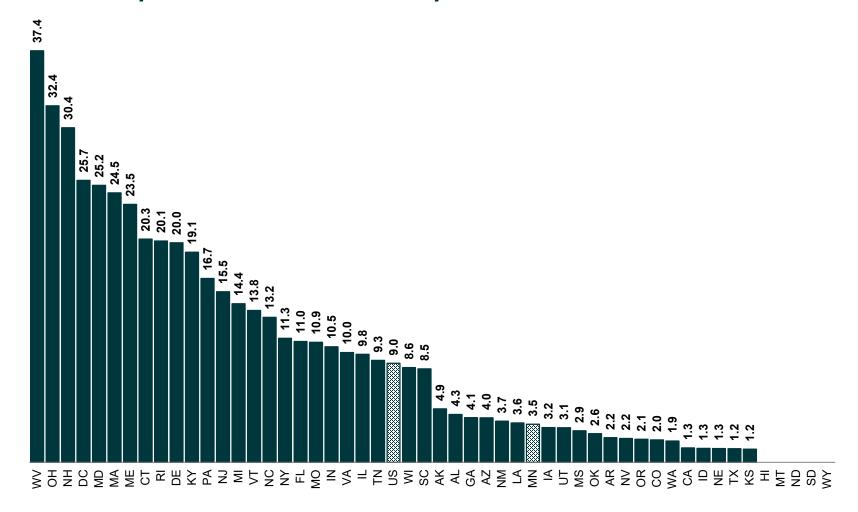
Heroin Deaths Rates per 100,000 People, 2017



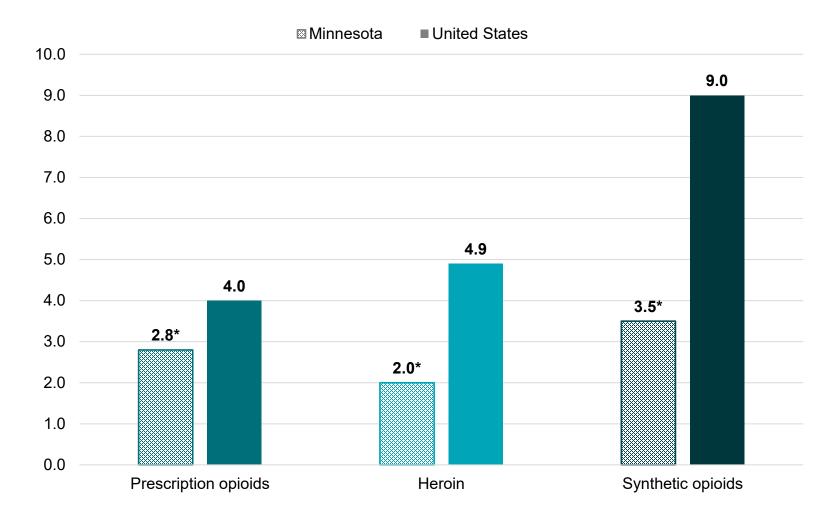
Synthetic Opioid Deaths *Rates per 100,000 People, 2017*



Synthetic Opioid Deaths Rates per 100,000 People, 2017



Minnesota and U.S. Opioid Deaths Rates per 100,000 People by Type, 2017



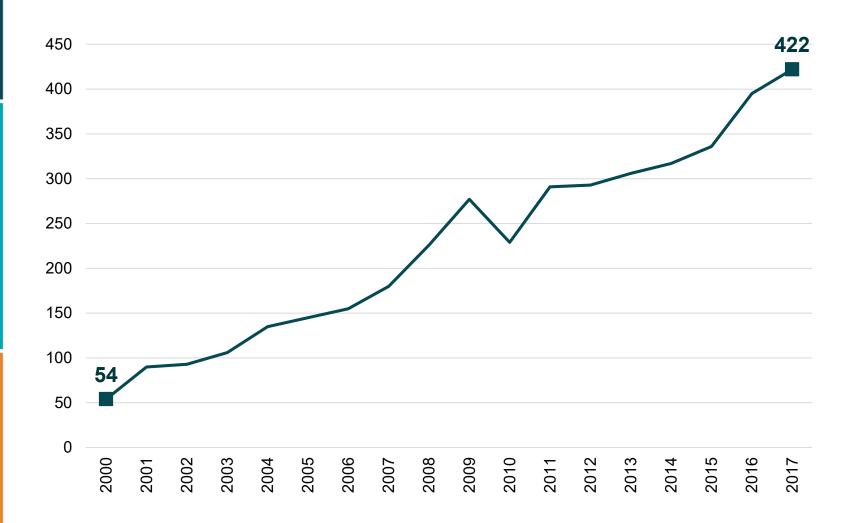
^{*} Statistically significant difference from U.S. rate at 95% level. Source: SHADAC analysis of age-adjusted rates of drug poisoning deaths, National Center for Health Statistics



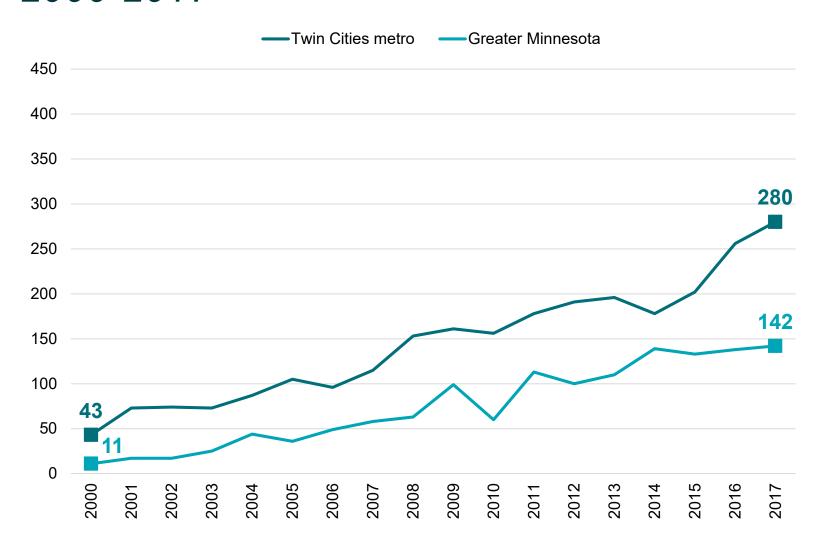
Minnesota Trends

Opioid Overdose Deaths

Number of Opioid Deaths in Minnesota, 2000-2017



Number of Opioid Deaths in Minnesota, 2000-2017

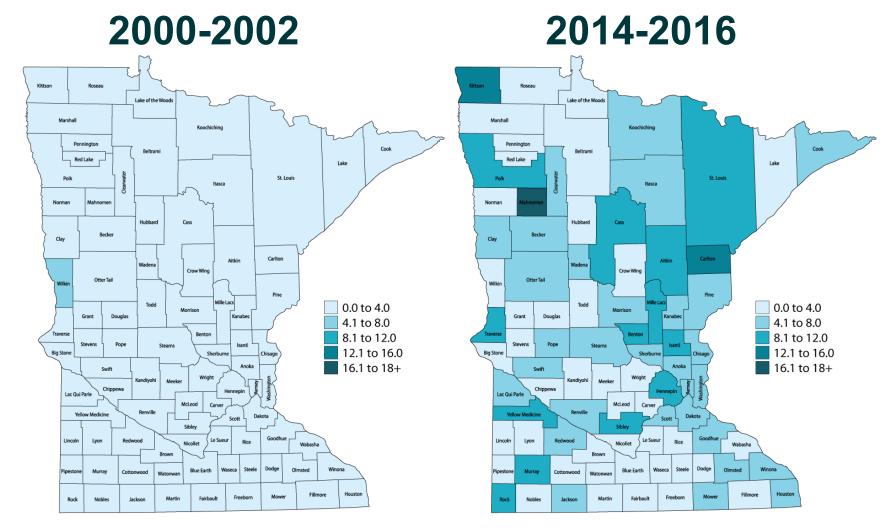


Number of Opioid Overdose Deaths by Minnesota Counties, 2016

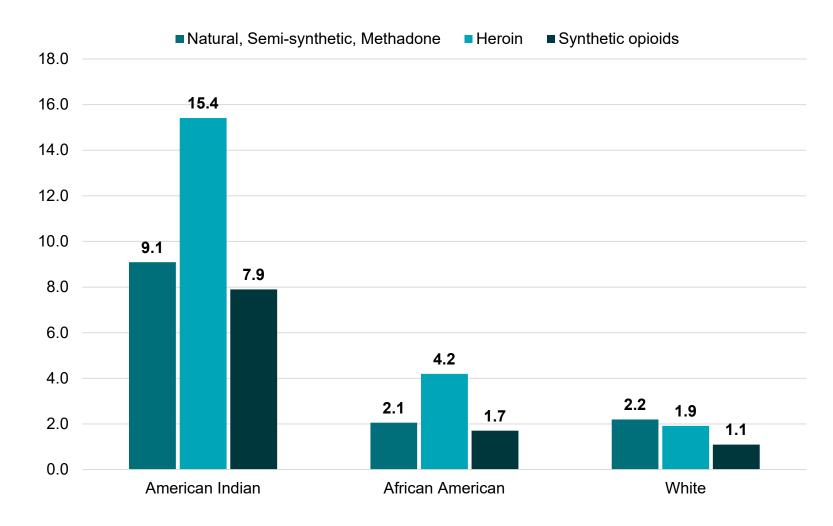
Top 5 Counties in Minnesota with the Highest Number of Opioid Overdose Deaths

County	# of opioid deaths	Rate per 100,000
Hennepin (Minneapolis)	146	11.2
Ramsey (St. Paul)	34	6.3
Anoka (Blaine)	26	7.5
Dakota (Eagan)	26	6.2
St. Louis (Duluth)	23	11.5

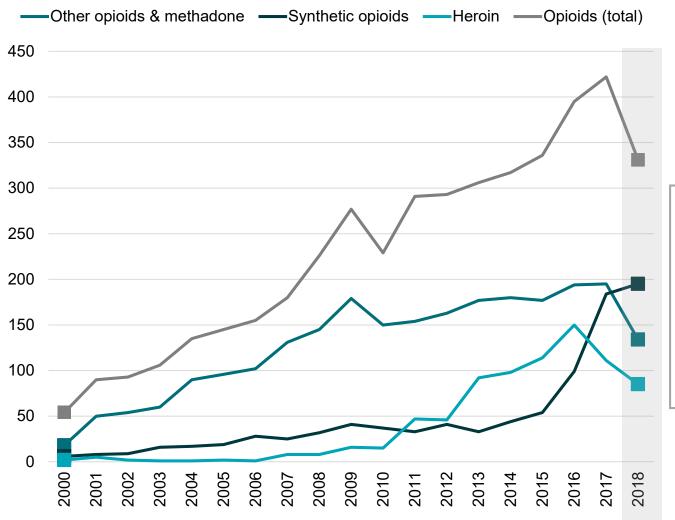
Opioid Overdose Deaths by Minnesota Counties Rates per 100,000 people, 2000-2002 and 2014-2016



Minnesota Opioid Overdose Deaths Rates per 100,000 People by Race, 2014-2016



Number of Minnesota Drug Overdose Deaths, 2000-2018 (preliminary)





State Trends

Non-opioid Illicit Drug Overdose Deaths

Non-opioid illicit drugs

Cocaine

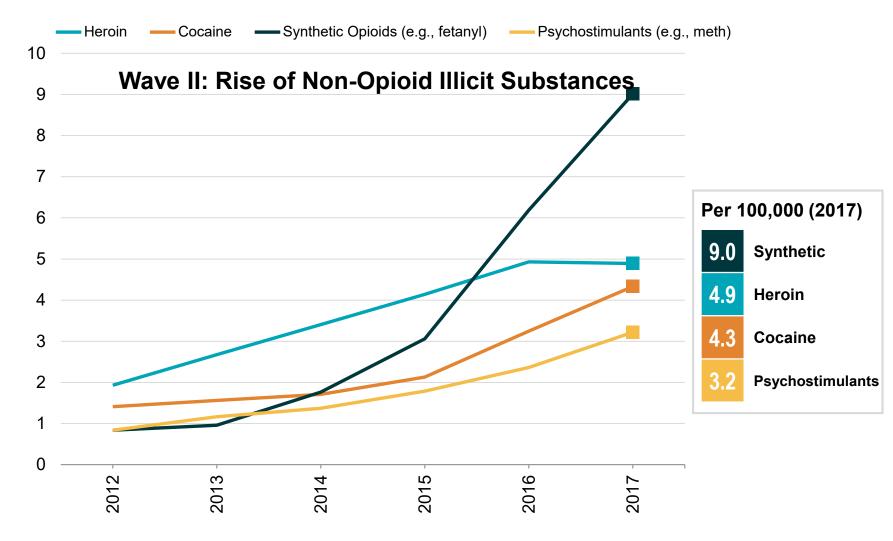
 Limited legal medical uses in U.S. (e.g., topical anesthetic) but also is trafficked illicitly

Psychostimulants with abuse potential

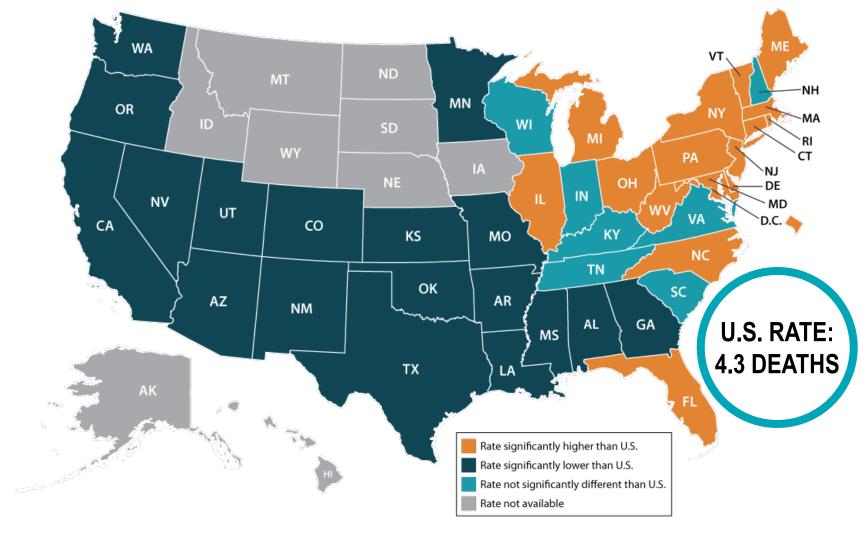
- Broader category of substances including prescription stimulants (e.g., Ritalin, Adderall) and illicit drugs (e.g., methamphetamine, MDMA)
 - Most common cause of psychostimulant death is methamphetamine, according to CDC research



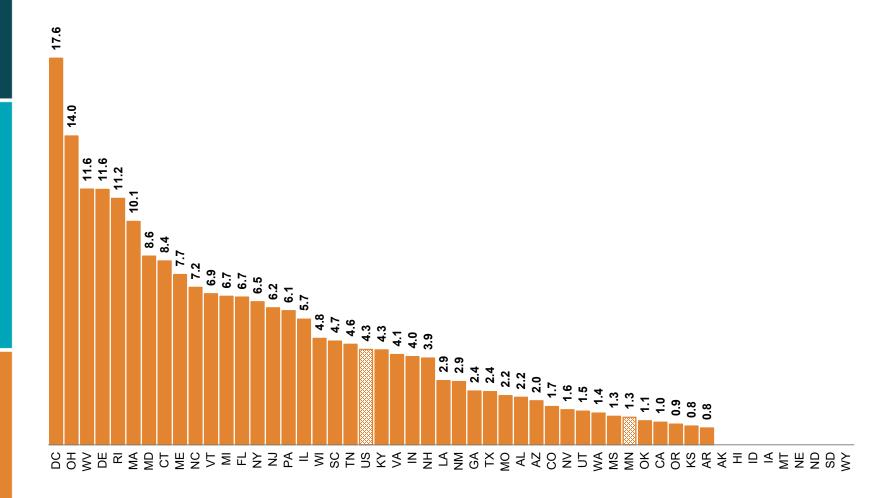
U.S. Drug Overdose Deaths Rates per 100,000 People, by Drug Type, 2012-2017



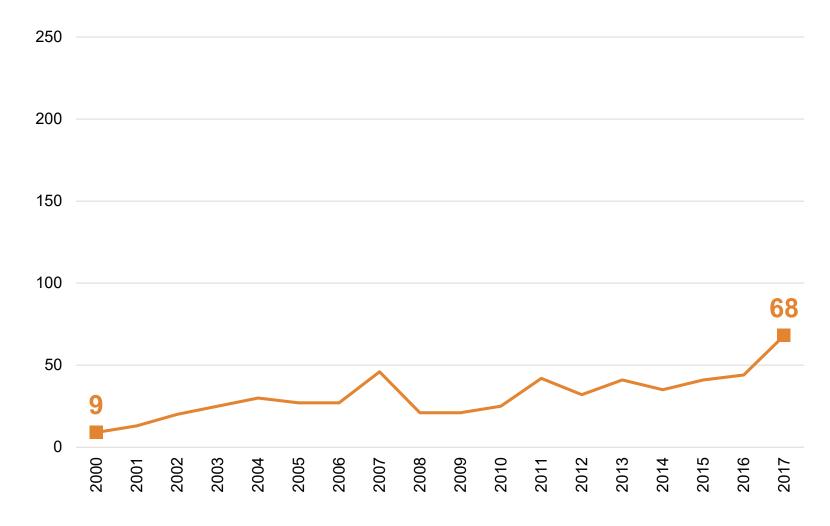
Cocaine Deaths Rates per 100,000 People, 2017



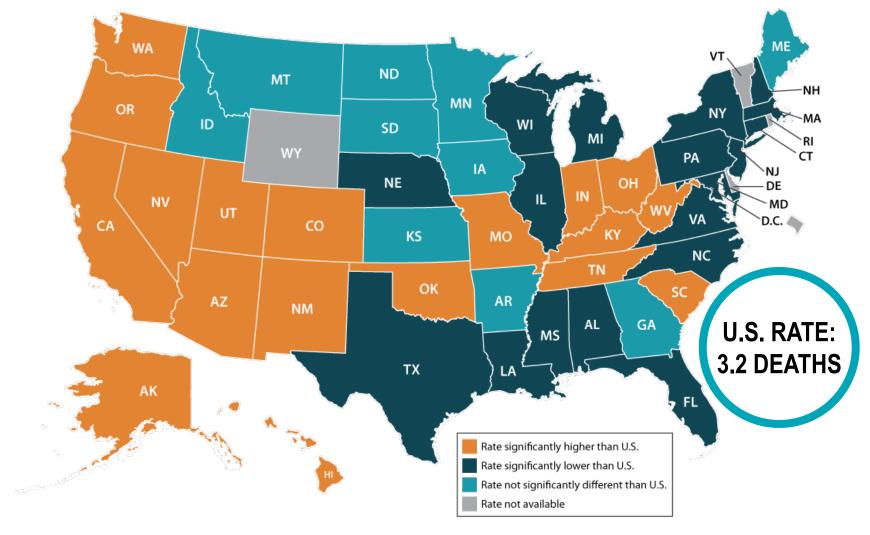
Cocaine Deaths Rates per 100,000 People, 2017



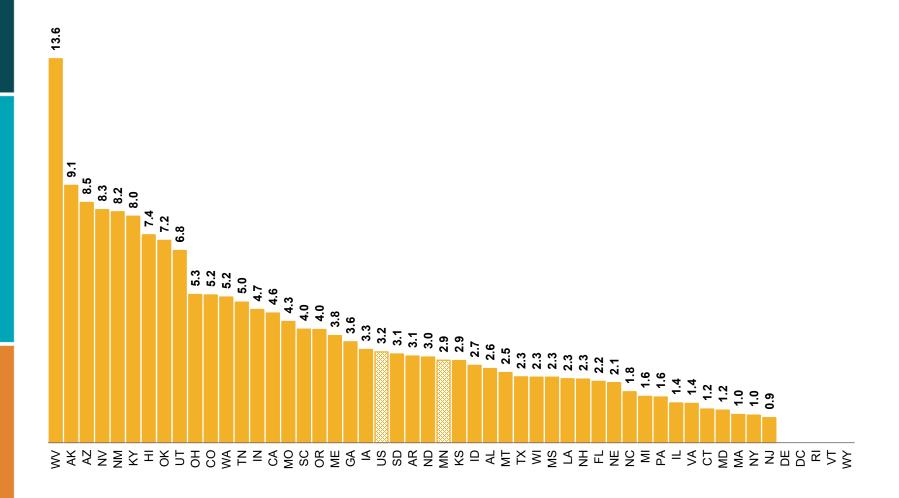
Number of Minnesota Cocaine Deaths, 2000-2017



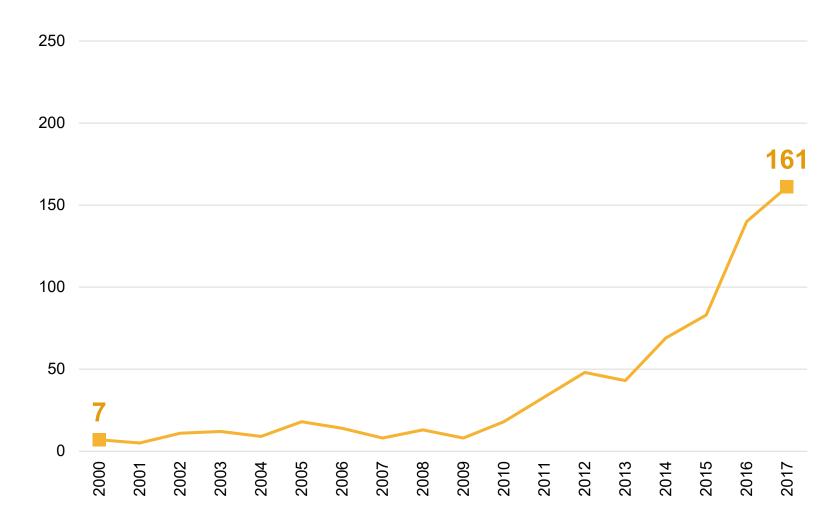
Psychostimulant Deaths Rates per 100,000 People, 2017



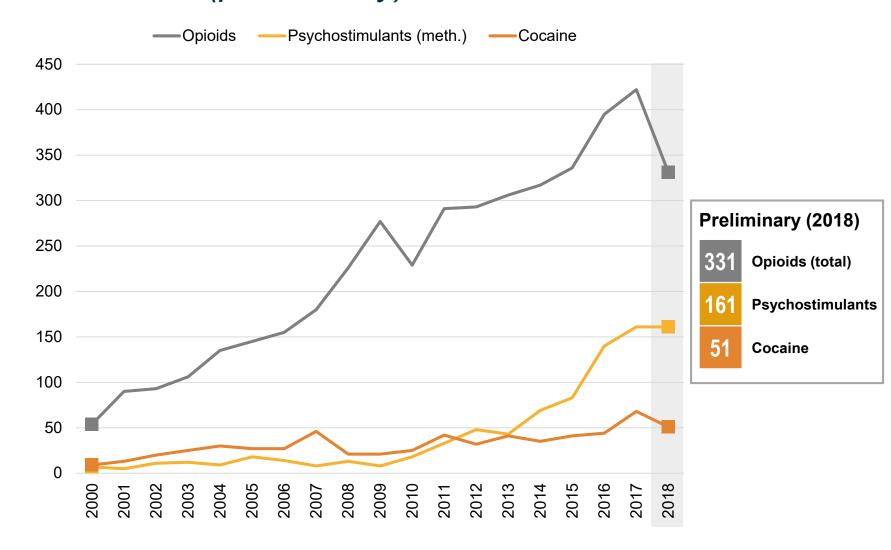
Psychostimulant Deaths Rates per 100,000 People, 2017



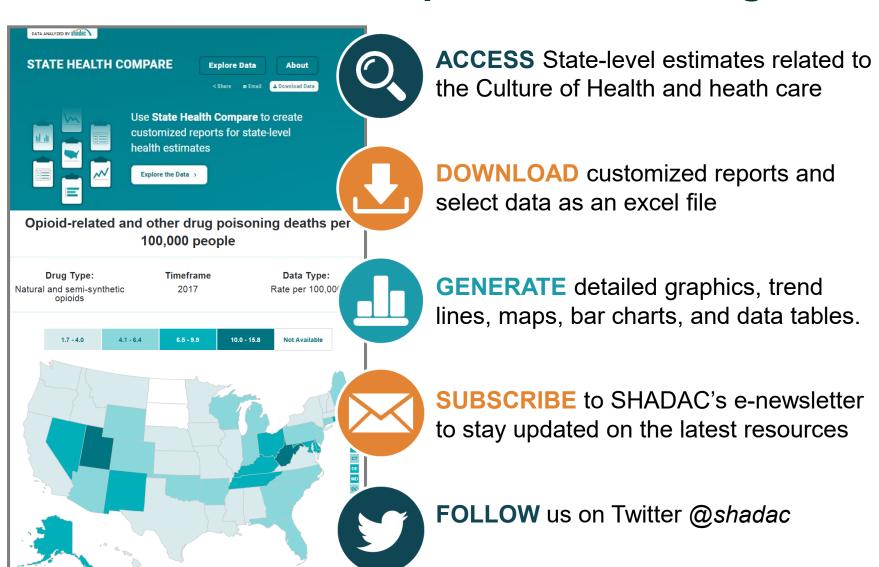
Number of Minnesota Psychostimulant Deaths, 2000-2017



Number of Minnesota Drug Overdose Deaths, 2000-2018 (preliminary)



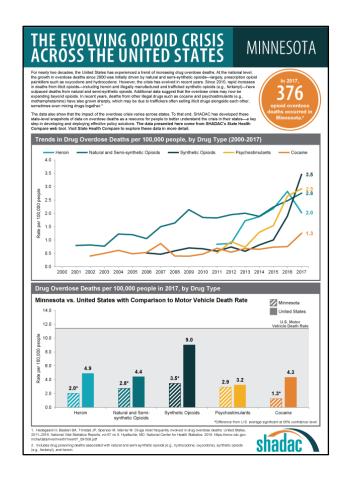
Visit StateHealthCompare.SHADAC.org



SHADAC Opioid Resources Webpage SHADAC.org/resource-opioids







Thank you

Colin Planalp, MPA
Senior Research Fellow
cplanalp@umn.edu

State Health Access Data Assistance Center (SHADAC)
University of Minnesota, Minneapolis

www.SHADAC.org

