

# ➤ Drug Overdose in Oklahoma: Data Update

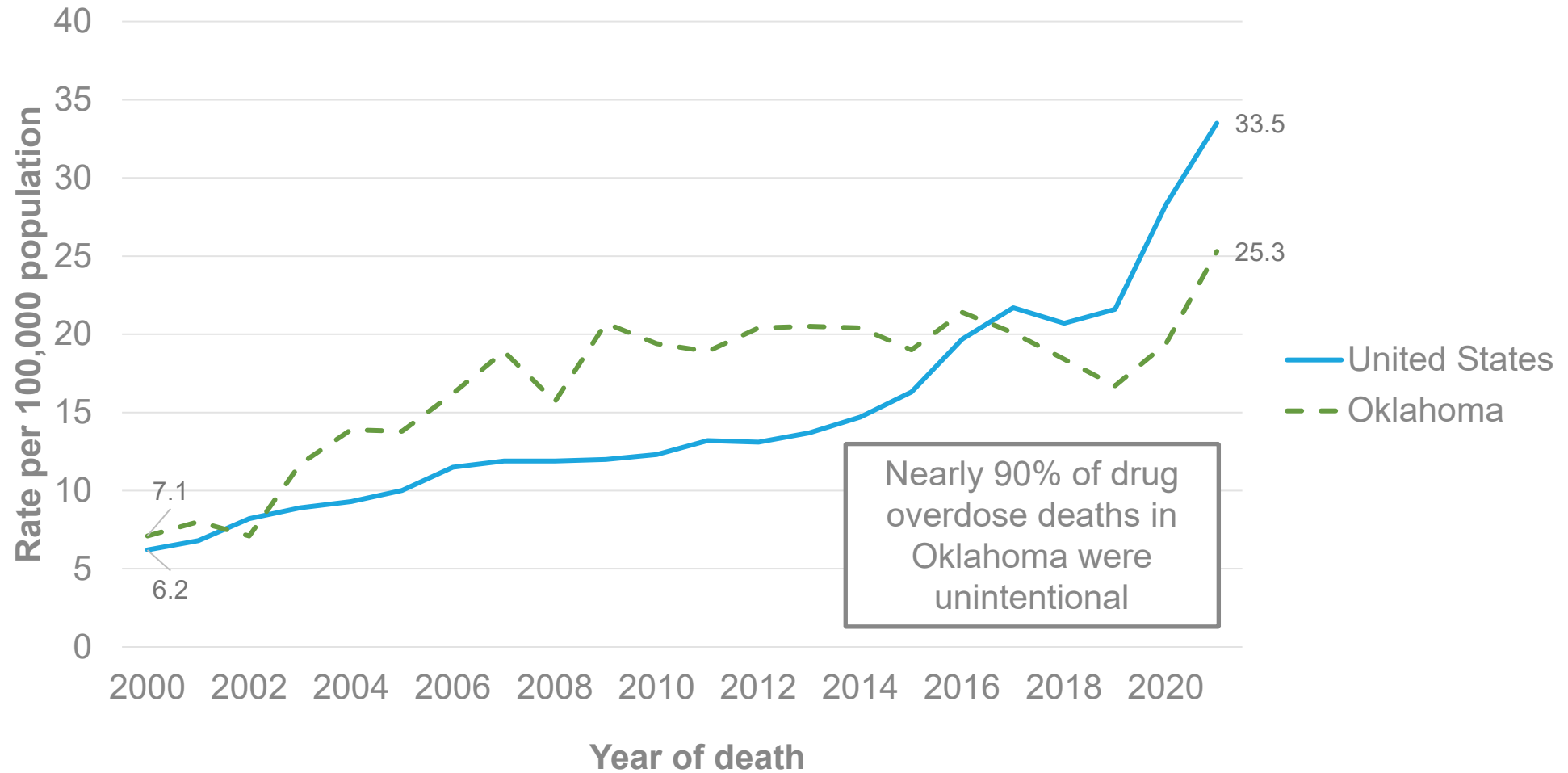


OKLAHOMA  
State Department  
of Health

# Overdose death data



## ➤ Age-adjusted Drug Overdose Death Rates (All Intentions), Oklahoma and United States, 2000-2021\*



\*2021 data are provisional.

Source: CDC, National Center for Health Statistics, WONDER Multiple Cause of Death File

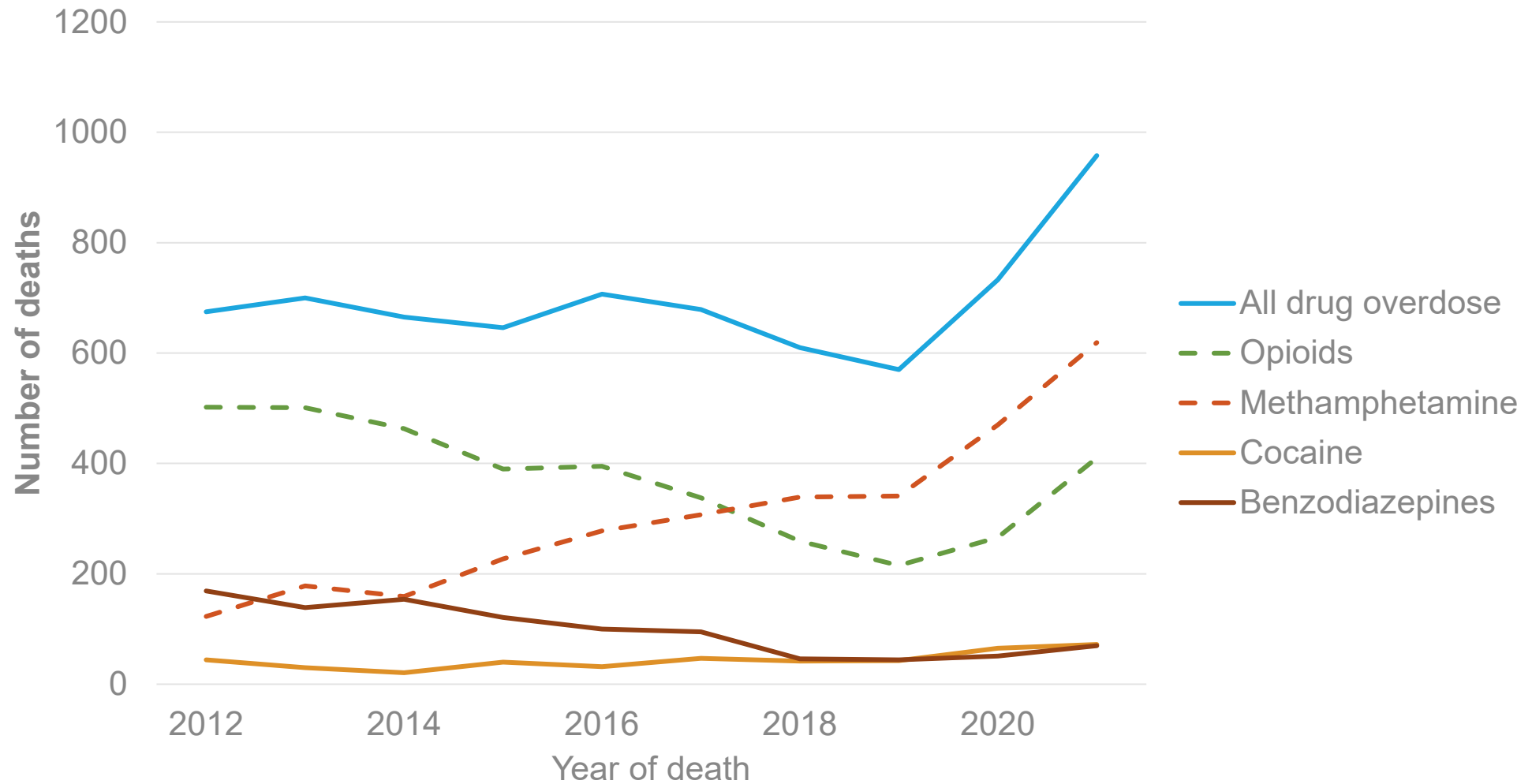


## ➤ Background

- The IPS reviews all incoming Medical Examiner reports and uses the criteria below to determine if a death will be included in the OSDH Injury Prevention Service Fatal Unintentional Poisoning Surveillance System.
- Nearly 90% of drug overdose deaths in Oklahoma are unintentional, meaning:
  - The decedent did not intend harm to themselves or someone else. They may have intentionally taken a drug, but did not intend to kill themselves.
- **Include:**
  - Manner – Accident
  - Drug overdose listed in cause of death
  - OK resident
- **Exclude:**
  - Adverse allergy/hypersensitivity reactions to correct drugs, properly administered, correct dose
  - Injury consequences of substance abuse



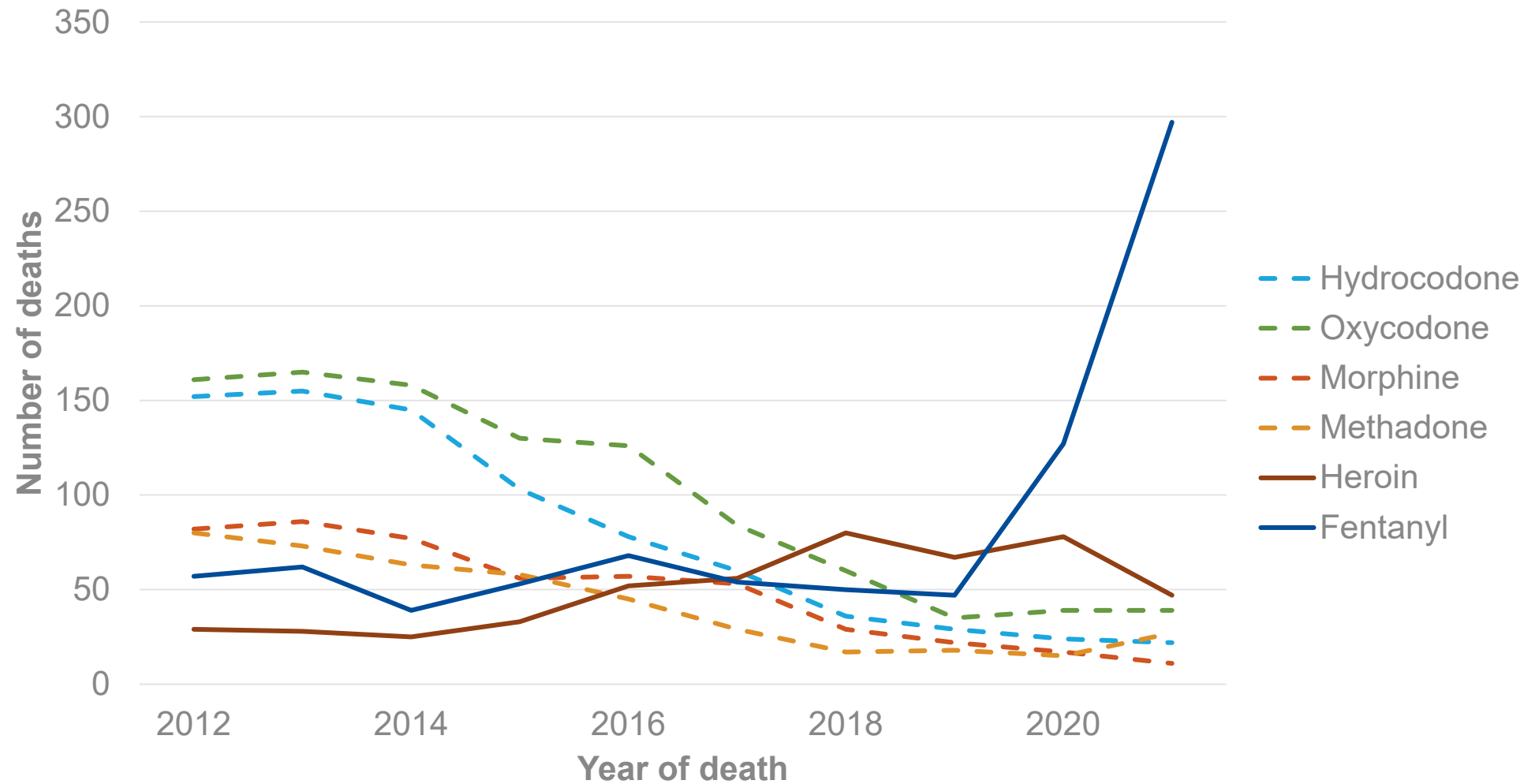
# ► Unintentional Drug Overdose Deaths by Type of Drug, Oklahoma, 2012-2021



Source: OSDH, Injury Prevention Service, Fatal Unintentional Poisoning Surveillance System



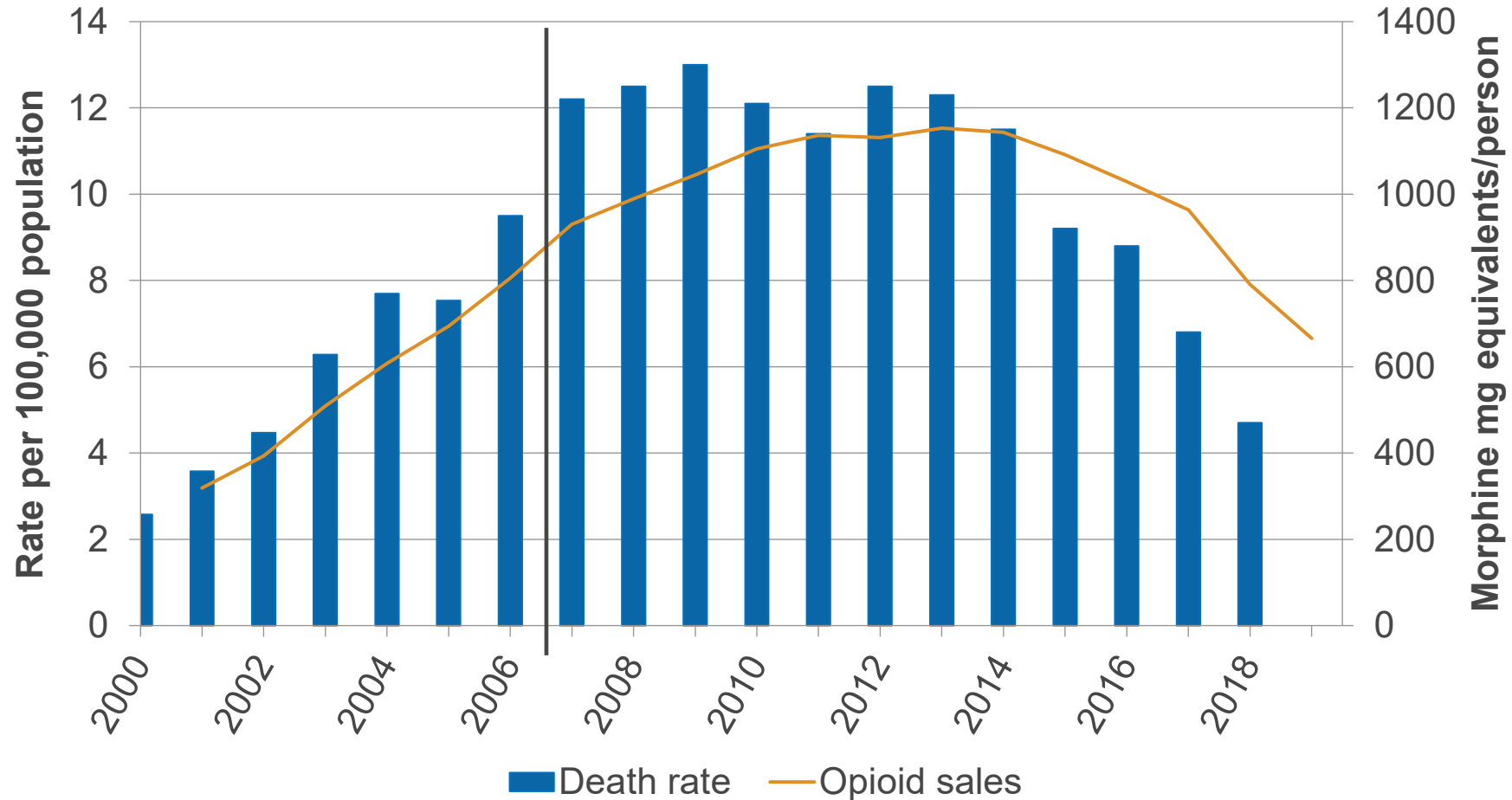
# ► Unintentional Opioid Overdose Deaths by Drug, Oklahoma, 2012-2021



Source: OSDH, Injury Prevention Service, Fatal Unintentional Poisoning Surveillance System



# Unintentional Prescription Opioid-related<sup>1</sup> Overdose Death Rates<sup>2</sup> and Opioid Sales per Person<sup>3</sup>, Oklahoma, 2000-2019



<sup>1</sup>In the past, the majority of opioid-related overdose deaths involved prescription opioids and we categorized opioids as either 'prescription' or 'illicit.' Beginning in 2020, we no longer categorize opioids as 'illicit' or 'prescription' because of the increase in overdose deaths involving fentanyl, and in most cases we are now unable to determine whether the fentanyl was 'illicit' or 'prescription.' Therefore, beginning with 2020, reporting will include all opioids combined or individual opioids (instead of reporting on prescription or illicit opioids).

<sup>2</sup>OSDH, Injury Prevention Service, Fatal Unintentional Poisoning Surveillance System

<sup>3</sup>U.S. Department of Justice, Drug Enforcement Administration, Office of Diversion Control, Automation of Reports and Consolidated Orders System (ARCOS) Reports, Retail Drug Summary Reports by State, Cumulative Distribution Reports (Report 4).

The black line indicates a change: opioid sales data prior to 2007 were based on historical data calculated using the same methodology.



## ► Unintentional Drug Overdose Deaths by Year of Death, Oklahoma, 2012-2021

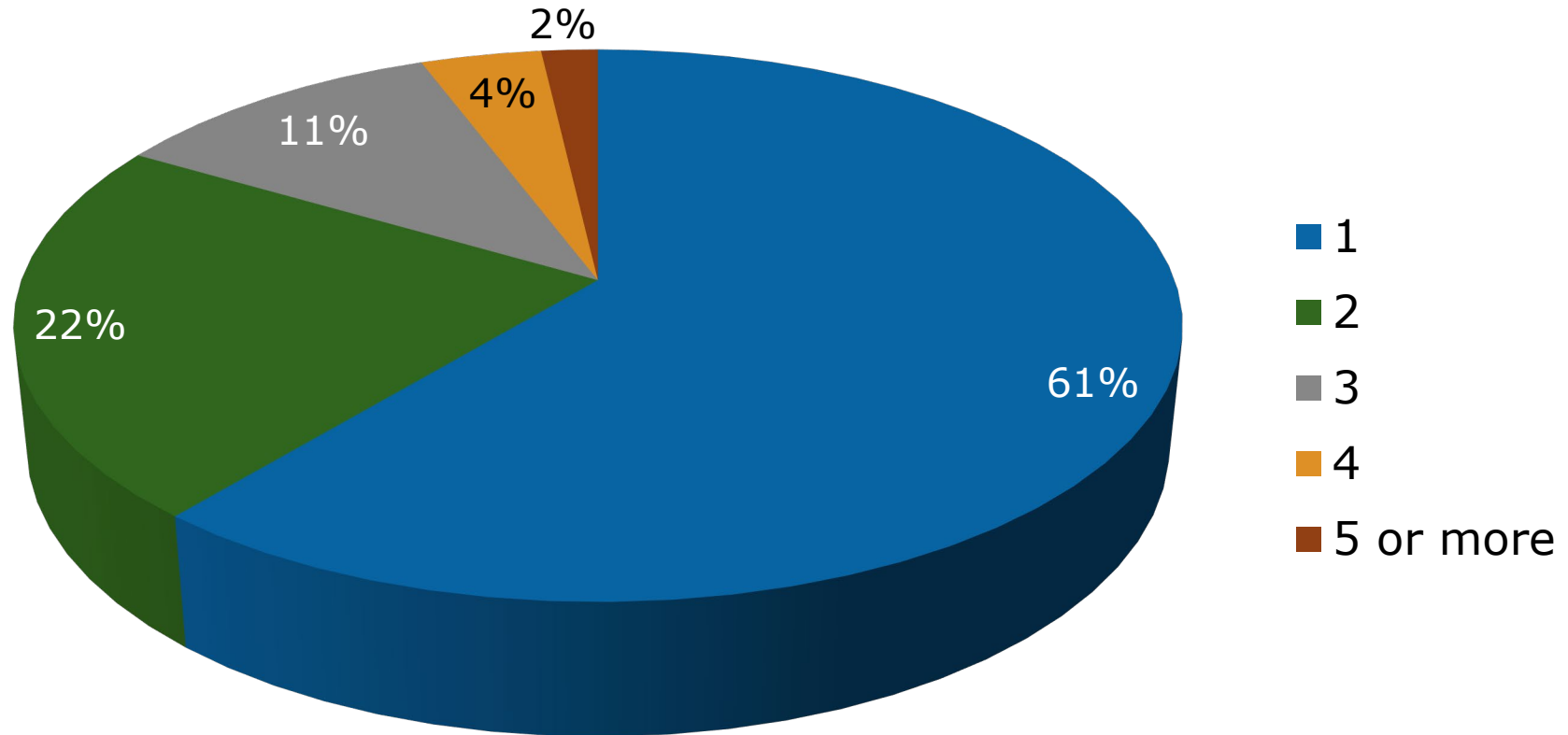
Drug	Number of deaths									
	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
All Drug Overdose	675	700	665	646	707	679	610	570	733	958
Prescription	536	535	505	415	424	339	248	198	*	*
Prescription Opioids	473	471	432	355	344	266	185	156	*	*
Opioids	502	501	463	390	395	338	259	215	266	410
<i>Fentanyl</i>	57	62	39	53	68	54	50	47	127	297
Benzodiazepines	169	139	154	121	100	95	46	44	51	70
Methamphetamine	123	178	159	227	278	307	339	341	470	619
Heroin	29	28	25	33	52	56	80	67	78	47

\*In the past, the majority of opioid-related overdose deaths involved prescription opioids and we categorized opioids as either 'prescription' or 'illicit.' Beginning in 2020, we no longer categorize opioids as 'illicit' or 'prescription' because of the increase in overdose deaths involving fentanyl, and in most cases we are now unable to determine whether the fentanyl was 'illicit' or 'prescription.' Therefore, beginning with 2020, reporting will include all opioids combined or individual opioids (instead of reporting on prescription or illicit opioids).





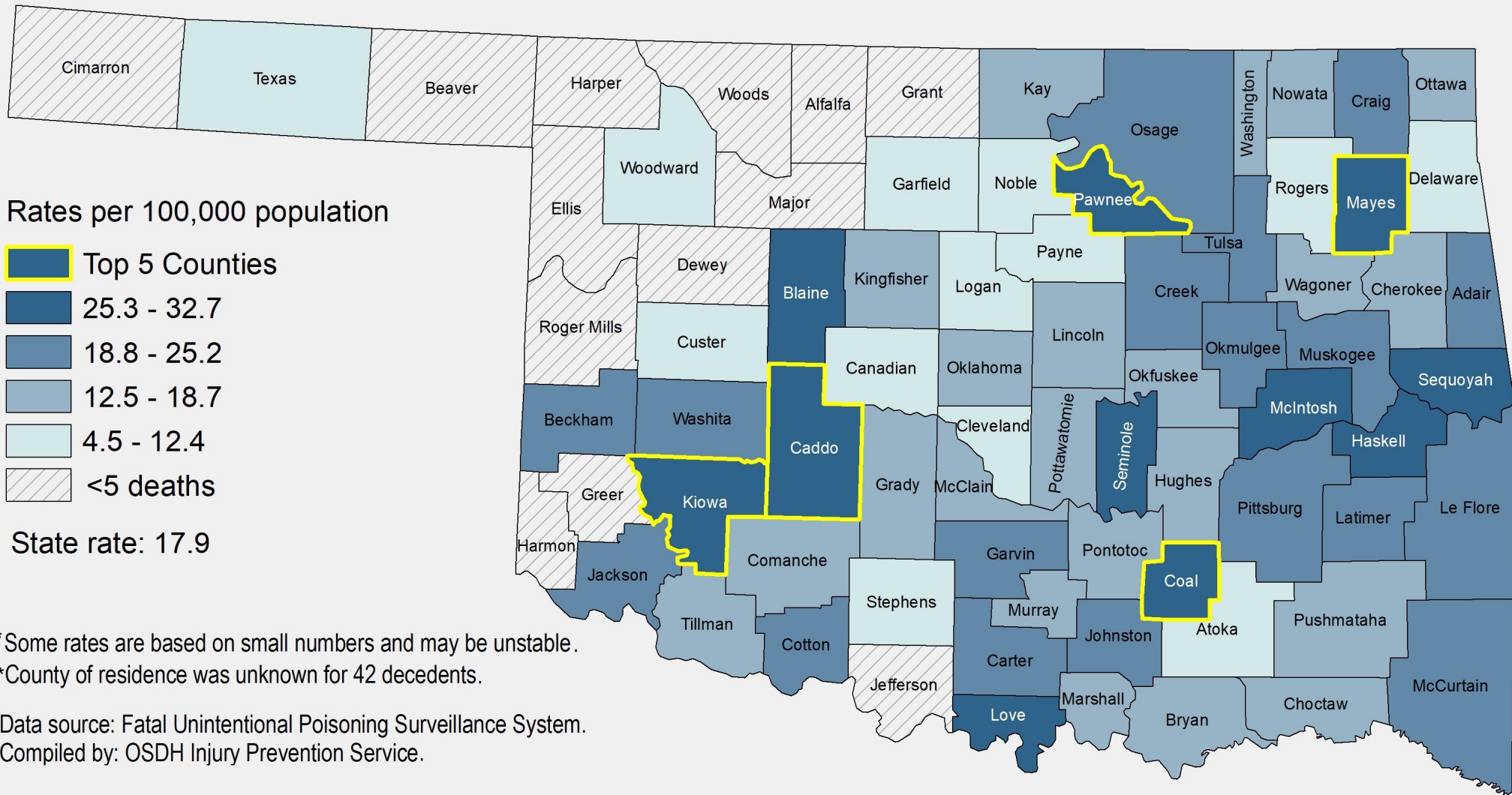
## ➤ Number of Substances Involved in Unintentional Drug Overdose Deaths, Oklahoma, 2017-2021



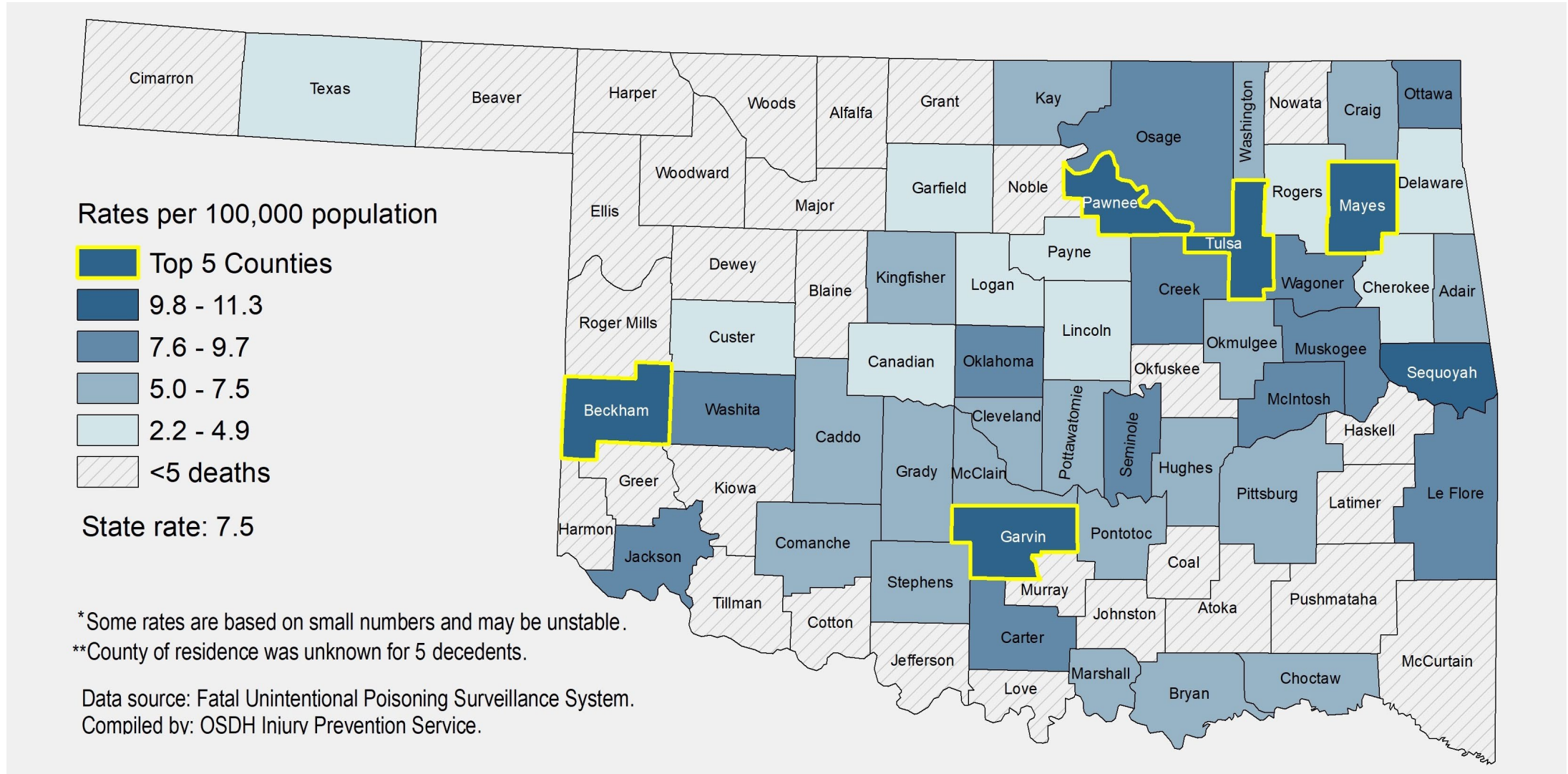
Source: OSDH, Injury Prevention Service, Fatal Unintentional Poisoning Surveillance System



# ➤ Unintentional Drug Overdose Death Rates\* by County of Residence\*\*, Oklahoma, 2017-2021

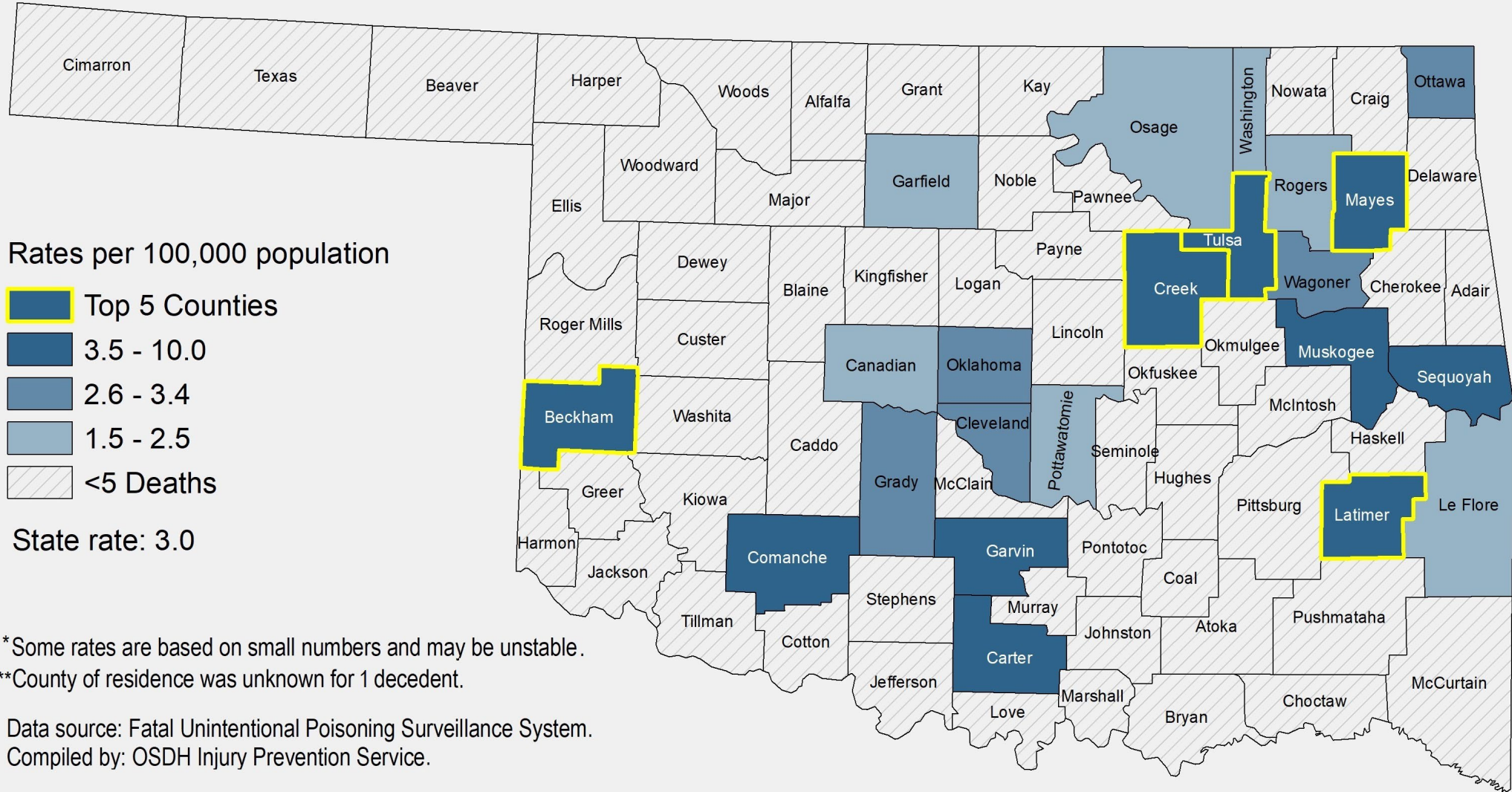


# ➤ Unintentional Opioid Overdose Death Rates\* by County of Residence\*\*, Oklahoma, 2017-2021





# ➤ Unintentional Fentanyl Overdose Death Rates by County of Residence, Oklahoma, 2017-2021



\*Some rates are based on small numbers and may be unstable.

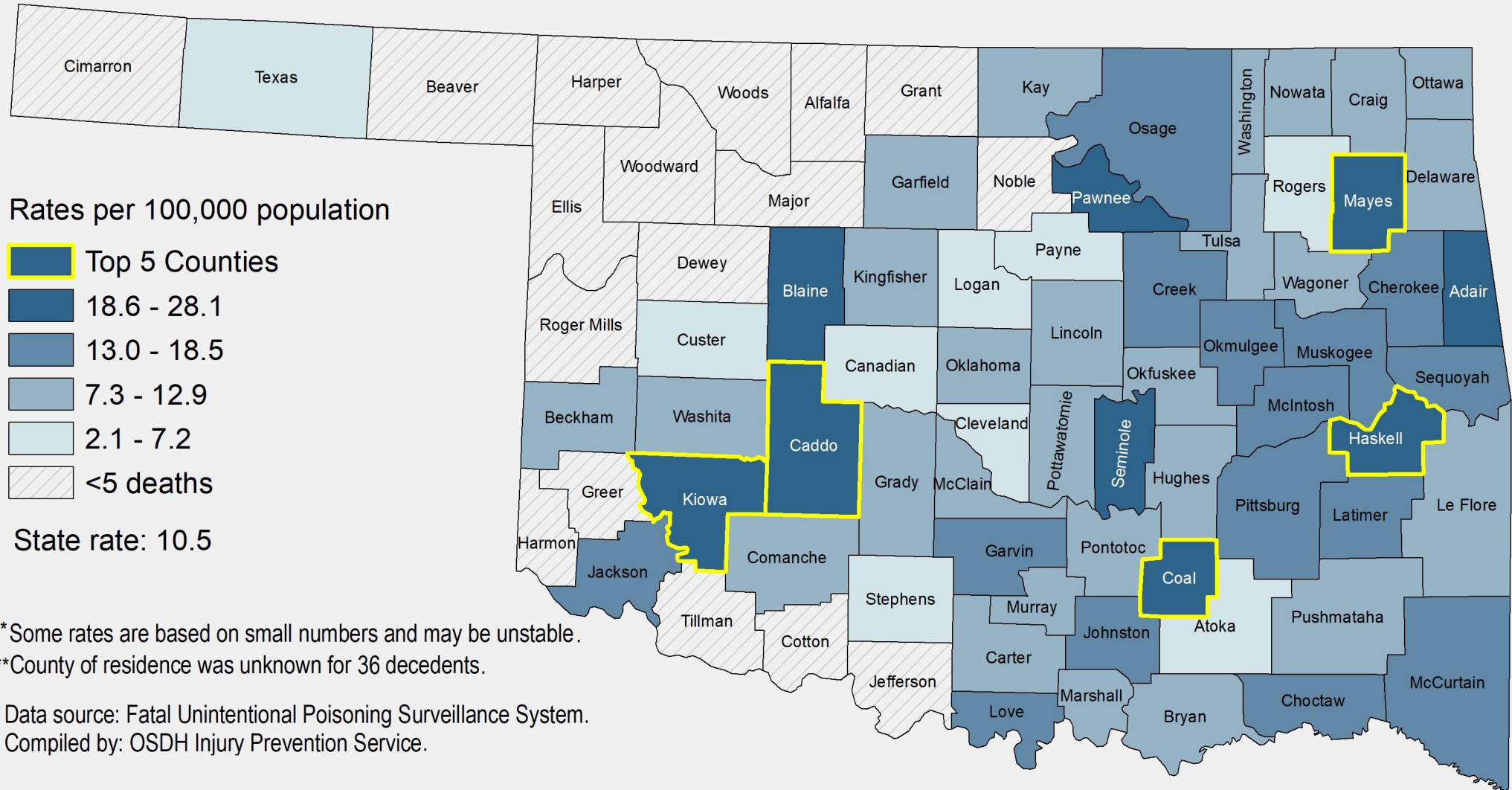
\*\*County of residence was unknown for 1 decedent.

Data source: Fatal Unintentional Poisoning Surveillance System.

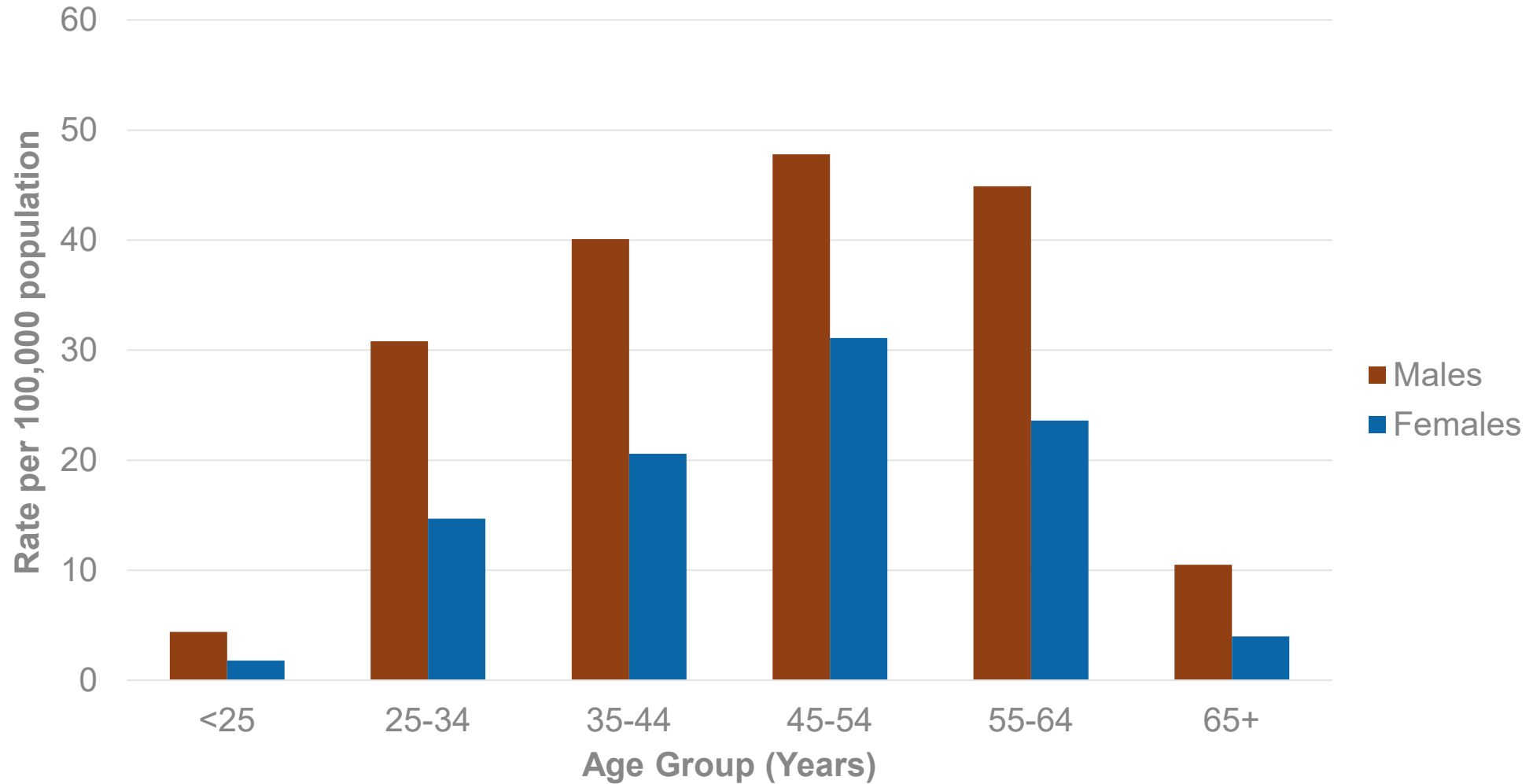
Compiled by: OSDH Injury Prevention Service.



# Unintentional Methamphetamine Overdose Death Rates by County of Residence, Oklahoma, 2017-2021

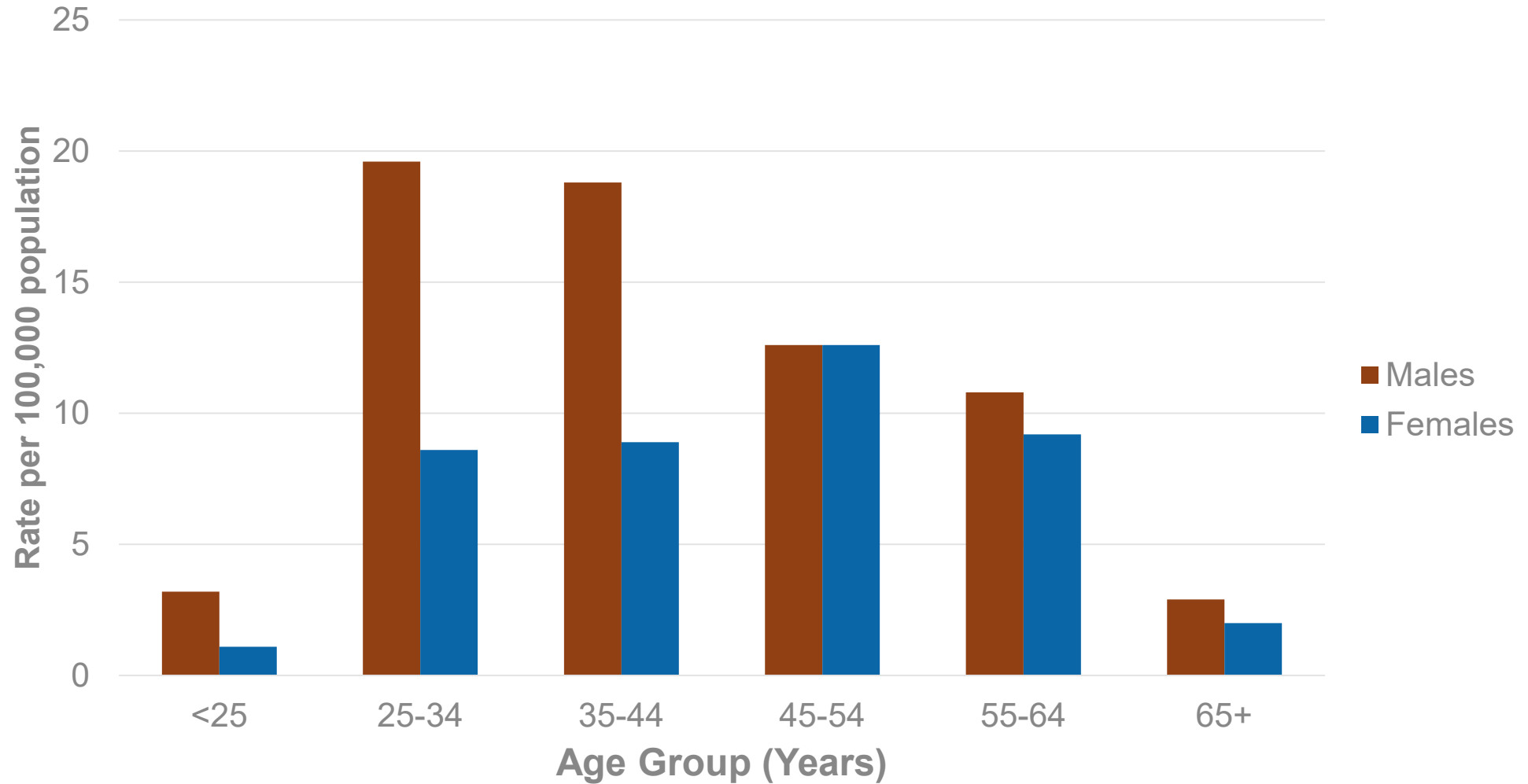


## ➤ Unintentional Drug Overdose Death Rates by Age Group and Gender, Oklahoma, 2017-2021



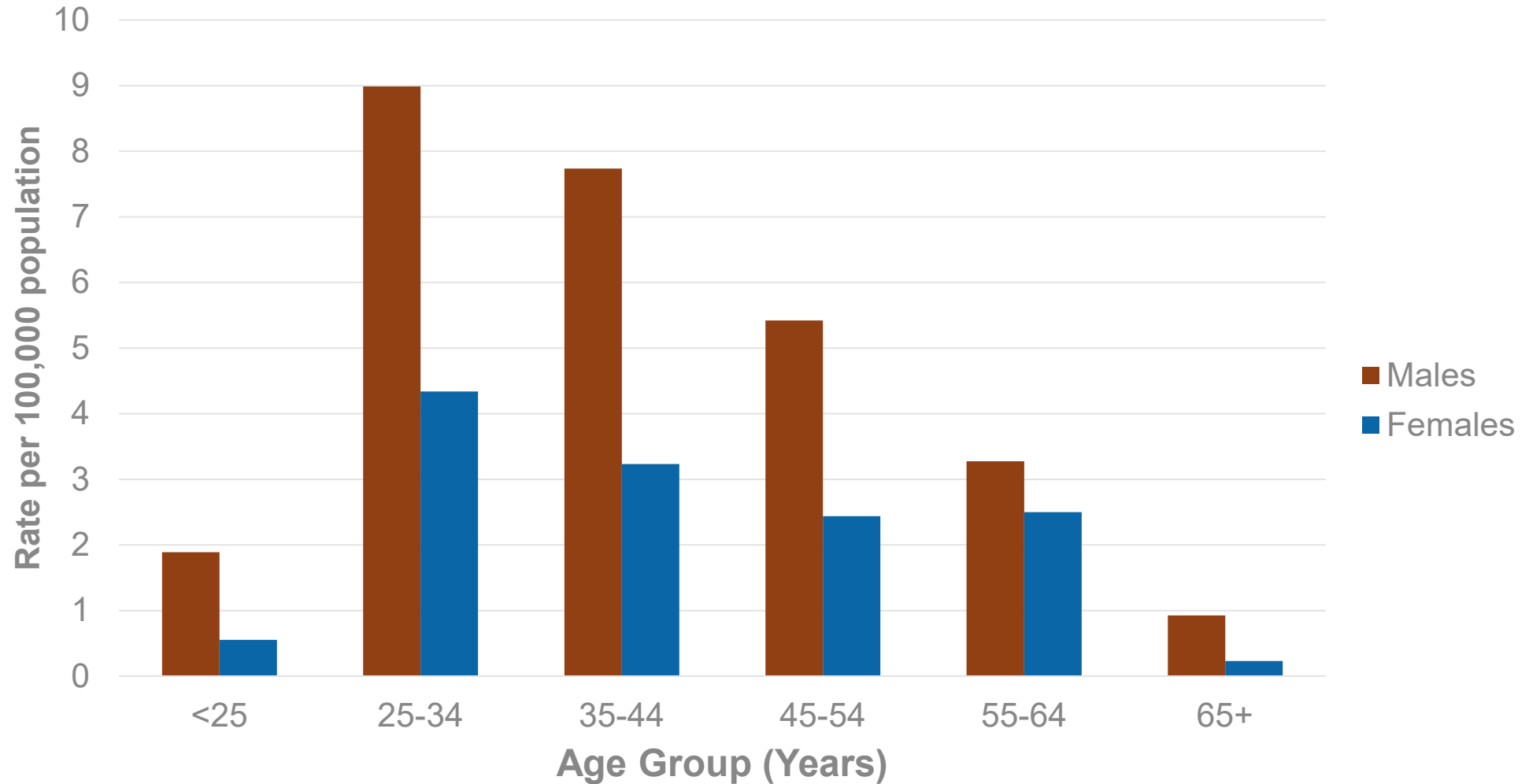
Source: OSDH, Injury Prevention Service, Fatal Unintentional Poisoning Surveillance System

## ➤ Unintentional Opioid Overdose Death Rates by Age Group and Gender, Oklahoma, 2017-2021



Source: OSDH, Injury Prevention Service, Fatal Unintentional Poisoning Surveillance System

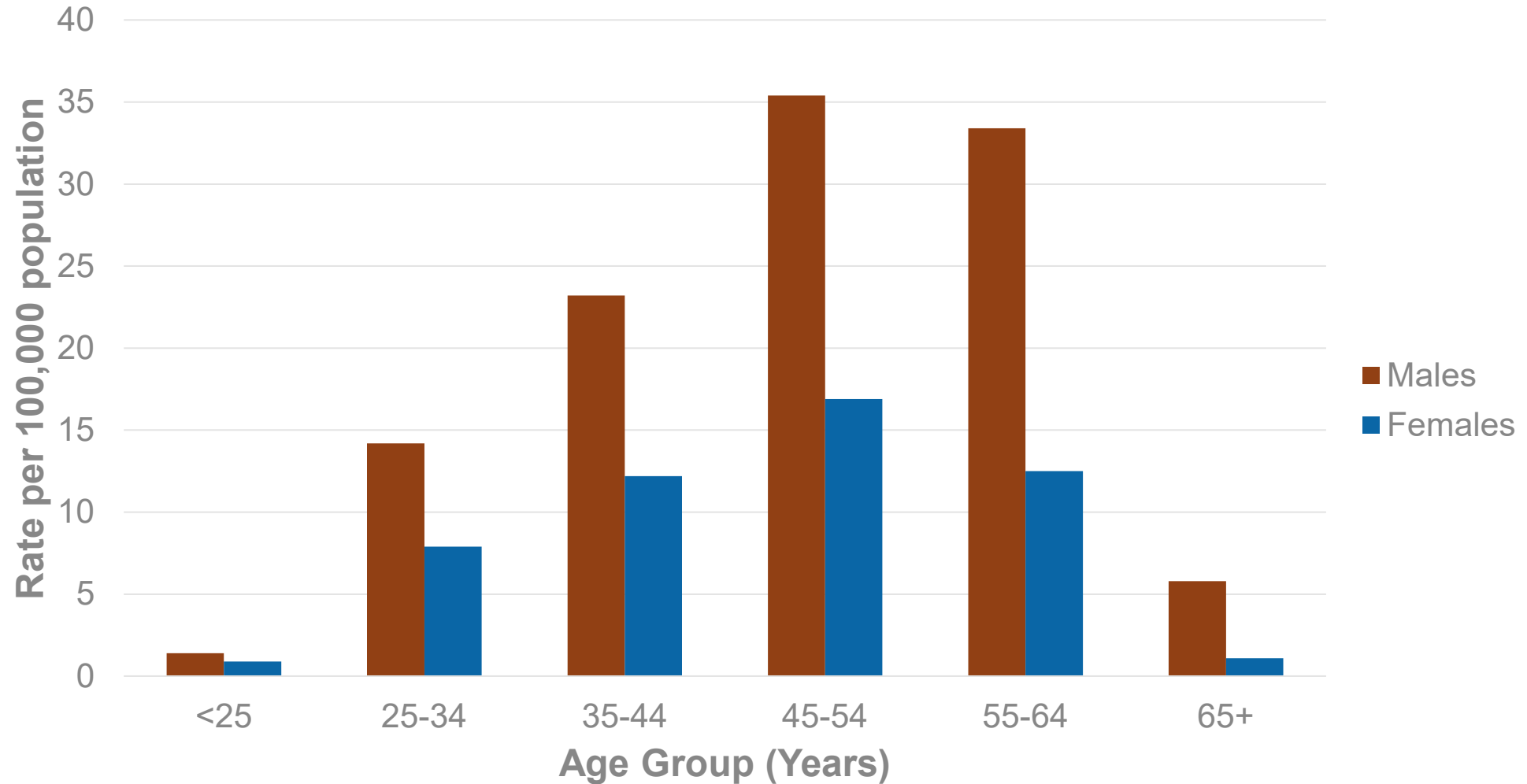
## ➤ Unintentional Fentanyl Overdose Death Rates by Age Group and Gender, Oklahoma, 2017-2021



Source: OSDH, Injury Prevention Service, Fatal Unintentional Poisoning Surveillance System

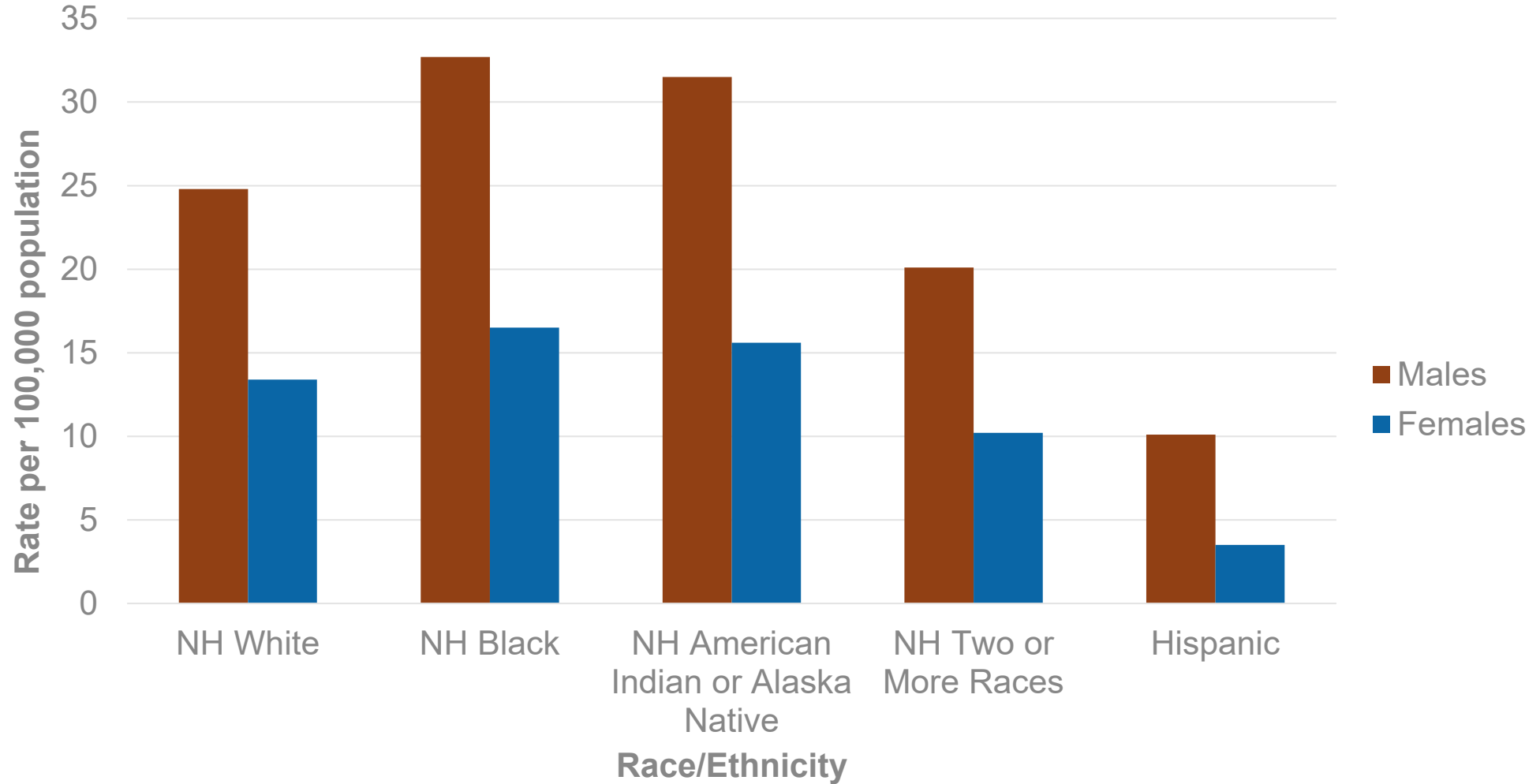


## ➤ Unintentional Methamphetamine Overdose Death Rates by Age Group and Gender, Oklahoma, 2017-2021



Source: OSDH, Injury Prevention Service, Fatal Unintentional Poisoning Surveillance System

# ➤ Unintentional Drug Overdose Death Rates by Race/Ethnicity and Gender, Oklahoma, 2017-2021

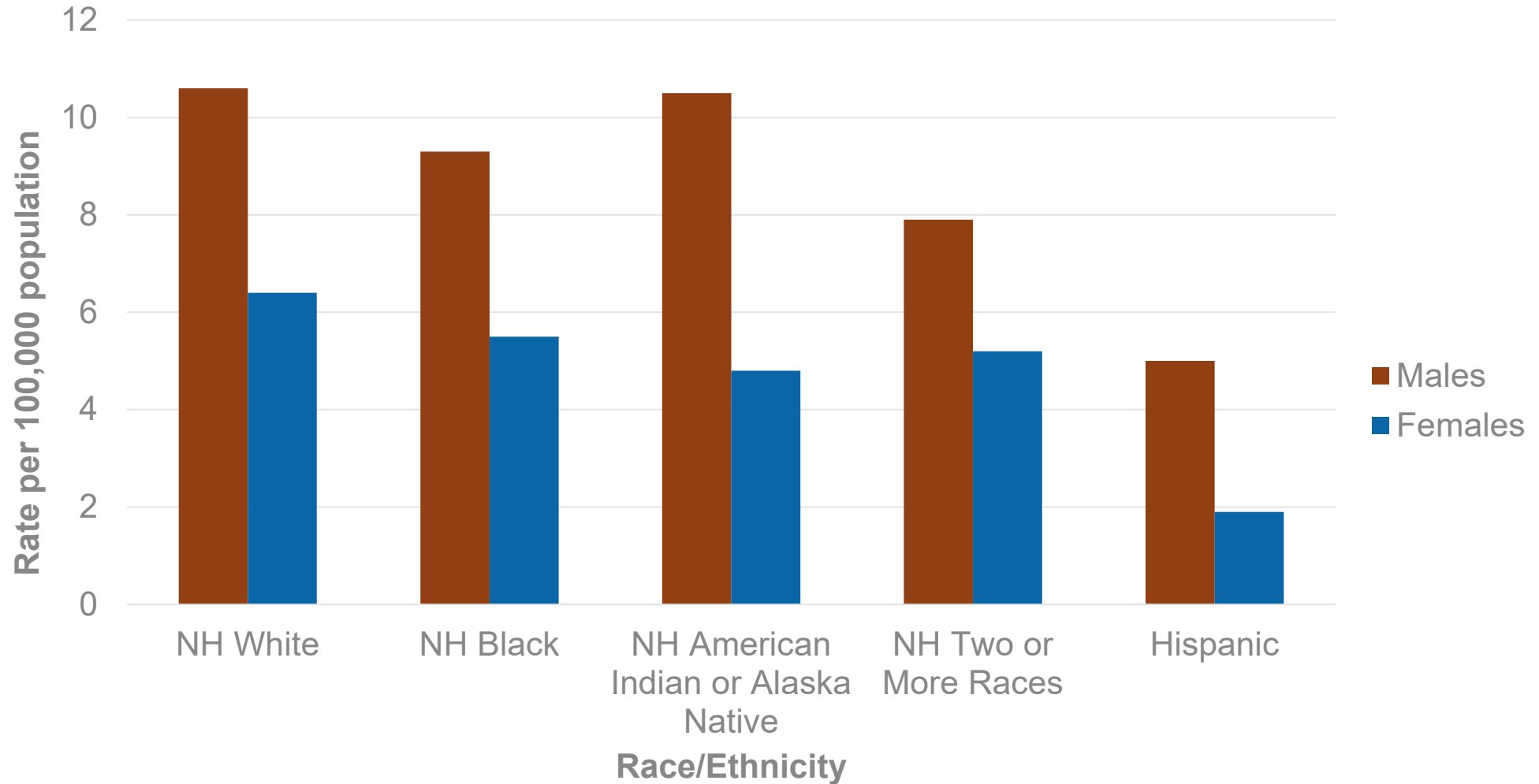


NH=Non-Hispanic

Source: OSDH, Injury Prevention Service, Fatal Unintentional Poisoning Surveillance System



## ➤ Unintentional Opioid Overdose Death Rates by Race/Ethnicity and Gender, Oklahoma, 2017-2021

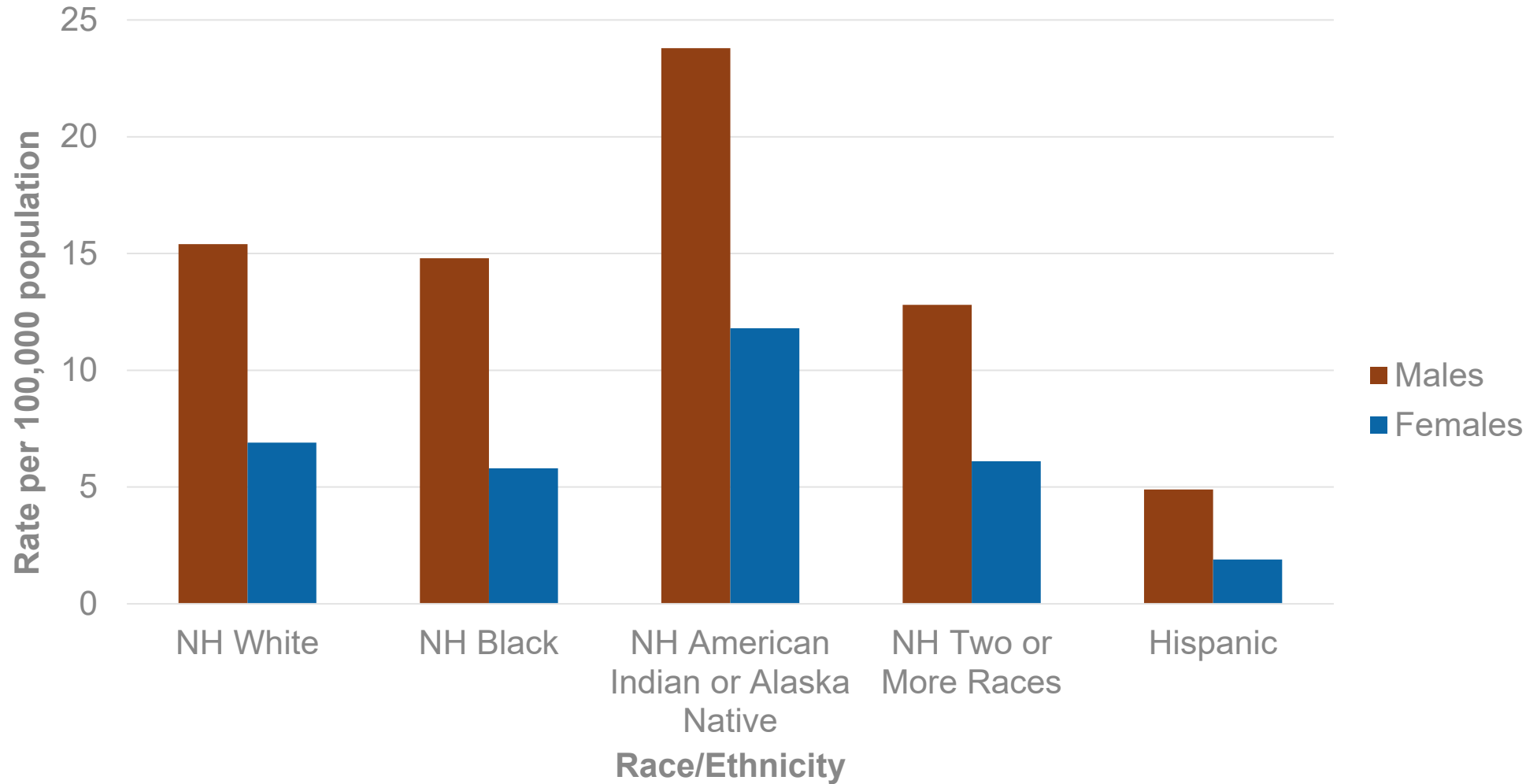


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Source: OSDH, Injury Prevention Service, Fatal Unintentional Poisoning Surveillance System



# ➤ Unintentional Methamphetamine Overdose Death Rates by Race/Ethnicity and Gender, Oklahoma, 2017-2021

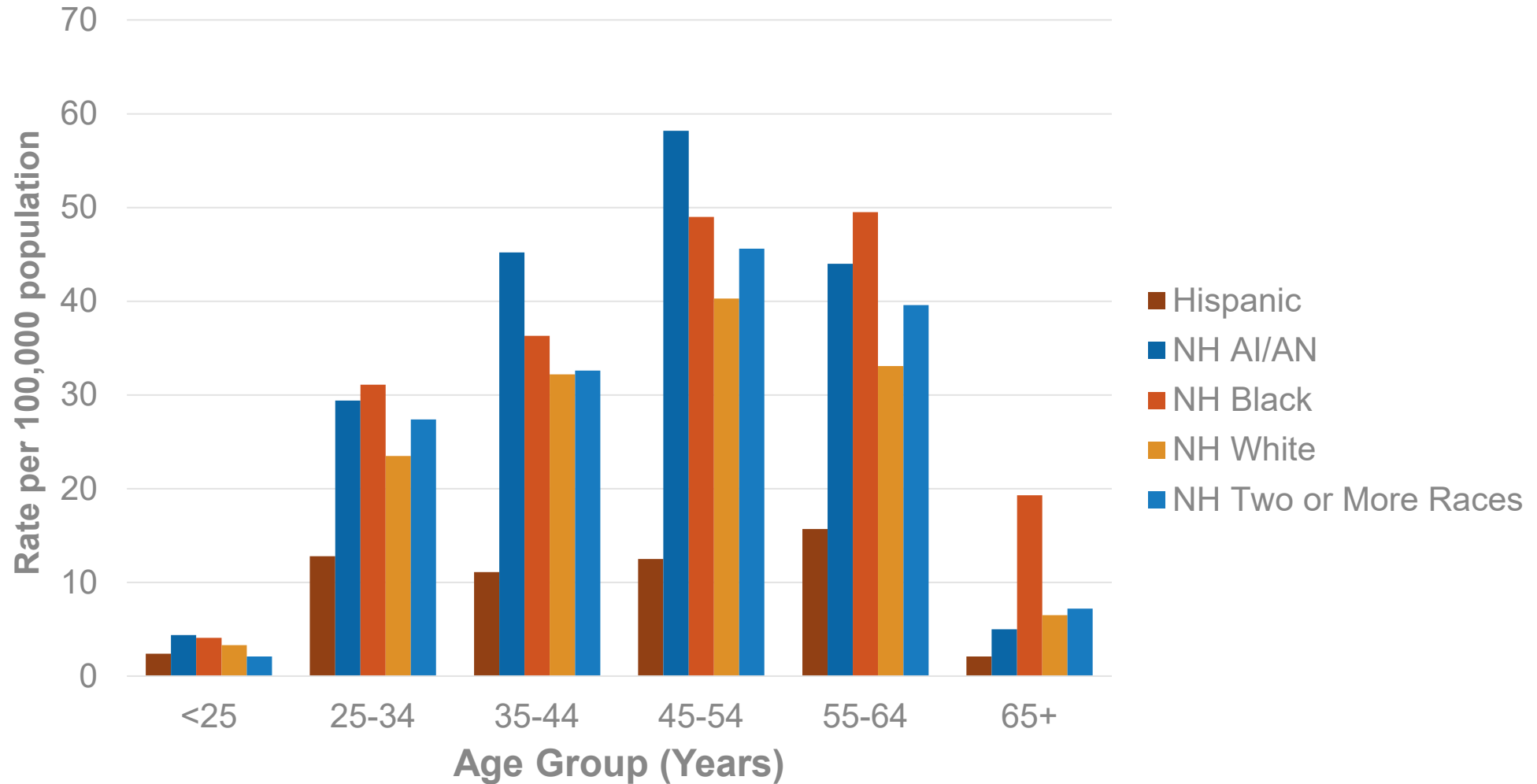


NH=Non-Hispanic

Source: OSDH, Injury Prevention Service, Fatal Unintentional Poisoning Surveillance System



# Unintentional Drug Overdose Death Rates by Age Group and Race/Ethnicity, Oklahoma, 2017-2021

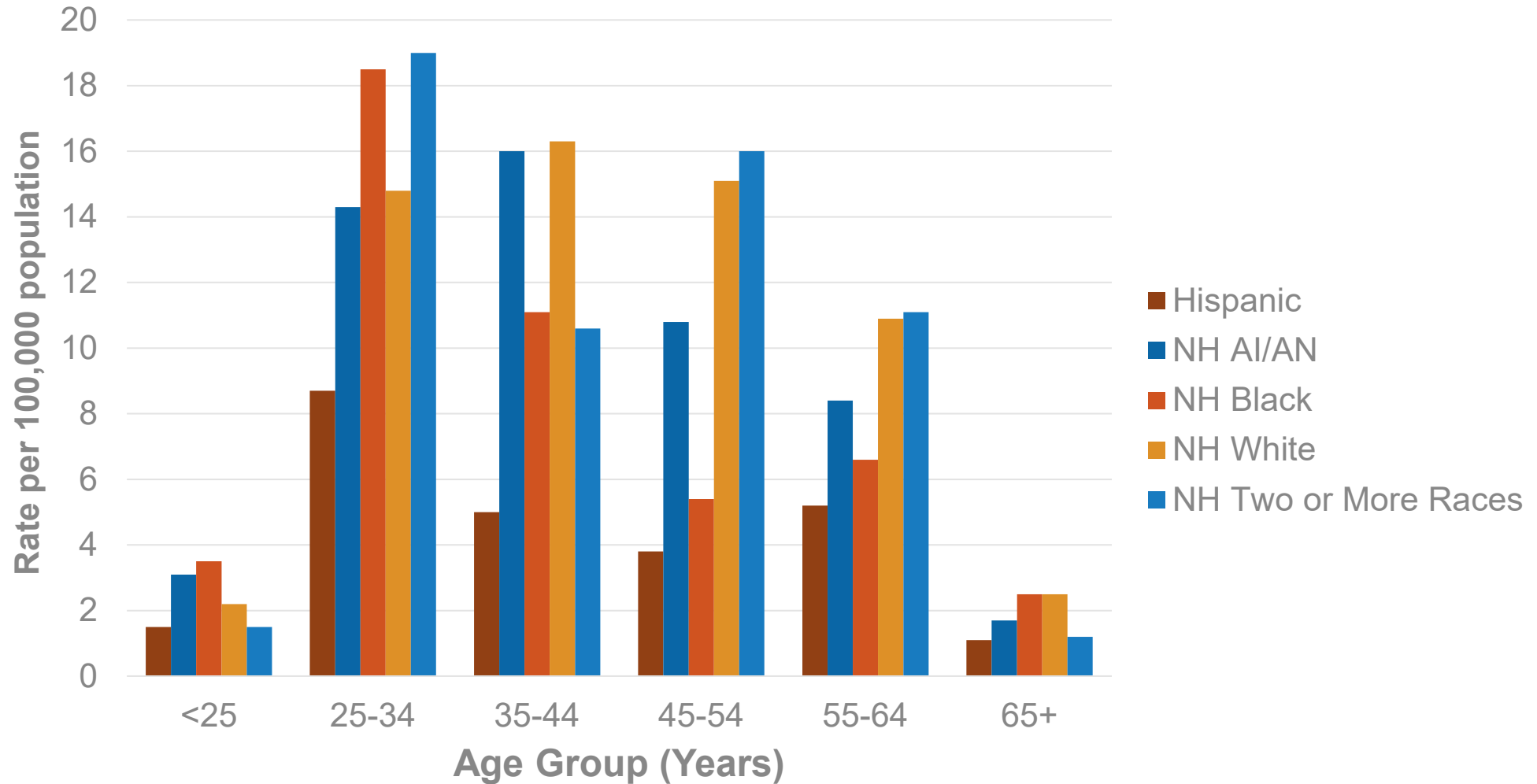


NH=Non-Hispanic

Source: OSDH, Injury Prevention Service, Fatal Unintentional Poisoning Surveillance System



# Unintentional Opioid Overdose Death Rates by Age Group and Race/Ethnicity, Oklahoma, 2017-2021

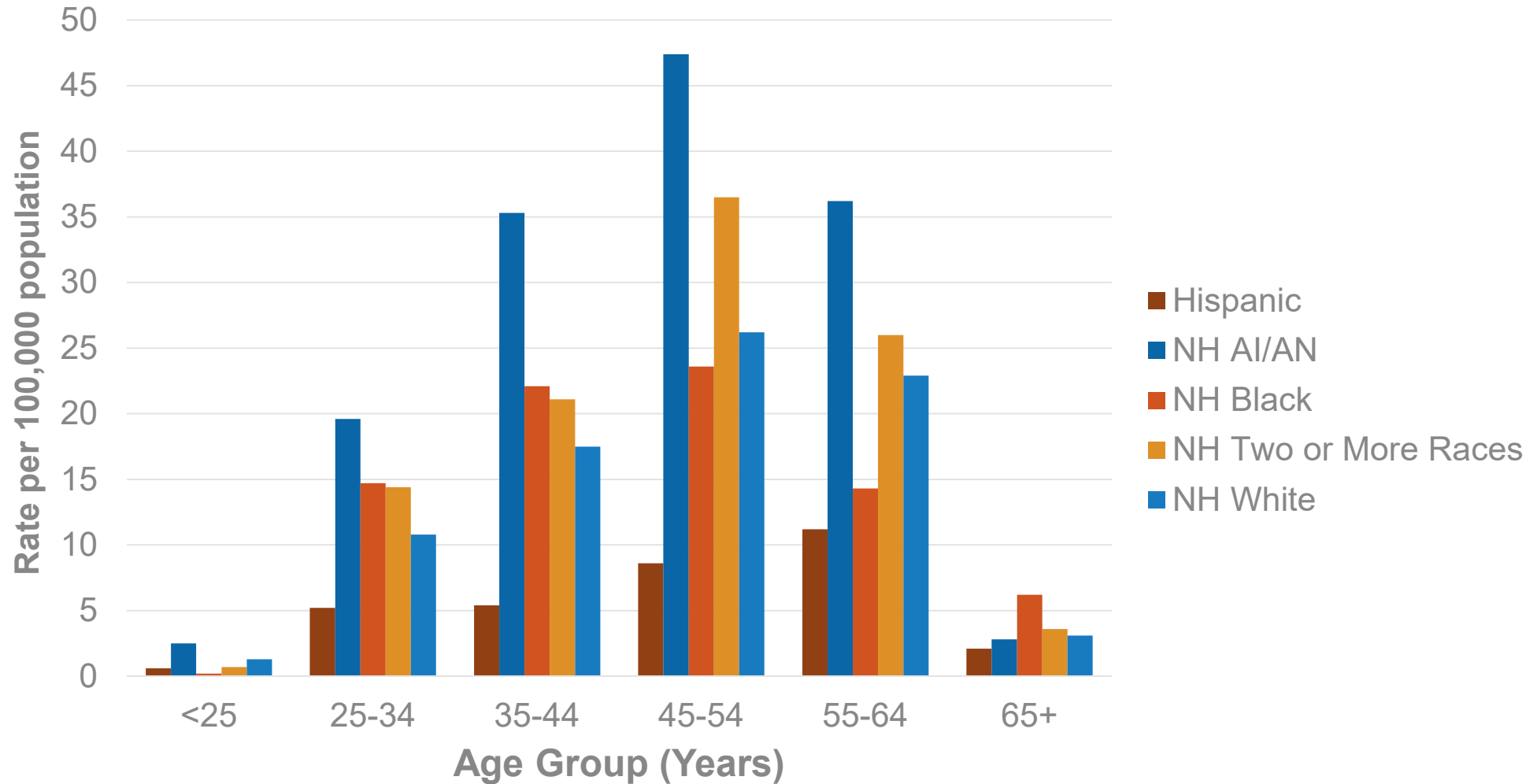


NH=Non-Hispanic

Source: OSDH, Injury Prevention Service, Fatal Unintentional Poisoning Surveillance System



# Unintentional Methamphetamine Overdose Death Rates by Age Group and Race/Ethnicity, Oklahoma, 2017-2021



NH=Non-Hispanic

Source: OSDH, Injury Prevention Service, Fatal Unintentional Poisoning Surveillance System



## **Drug Overdose by Severity, Oklahoma, 2021**

- **Number of Unintentional Drug Overdose Deaths – 958**
- **Number of Inpatient Hospitalizations (nonfatal, all intents) – 4,230\***
- **Number of Emergency Department Discharges (nonfatal, all intents, and not admitted as an inpatient) 5,605\***



Source: OSDH, Injury Prevention Service, Fatal Unintentional Poisoning Surveillance System

OSDH, Center for Health Statistics, Hospital Discharge Data

\*Preliminary 2021 data

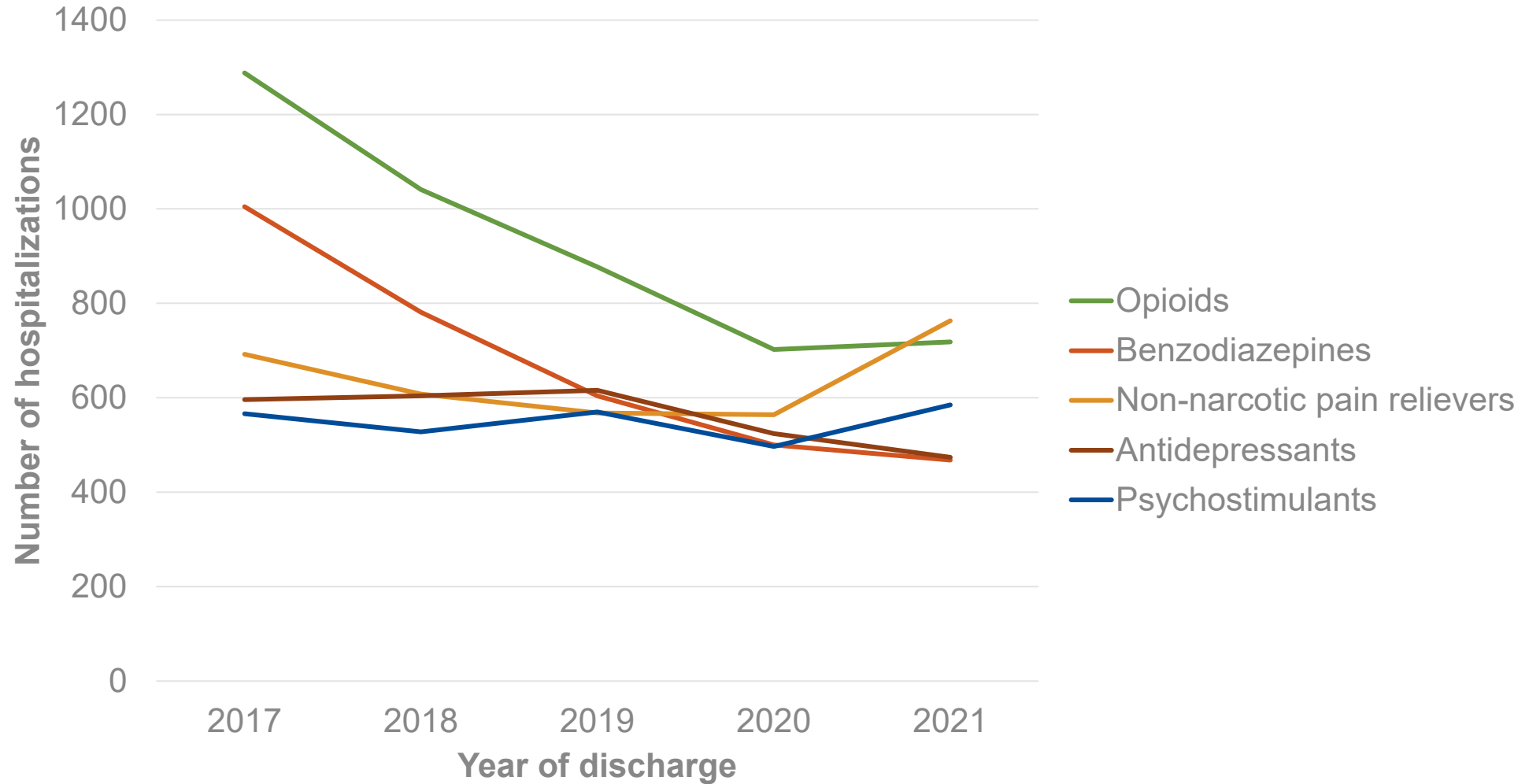


**Overdose  
hospitalization  
data**





# Most Common Substances Involved in Drug Overdose Hospitalizations by Year of Discharge, Oklahoma, 2017-2021\*

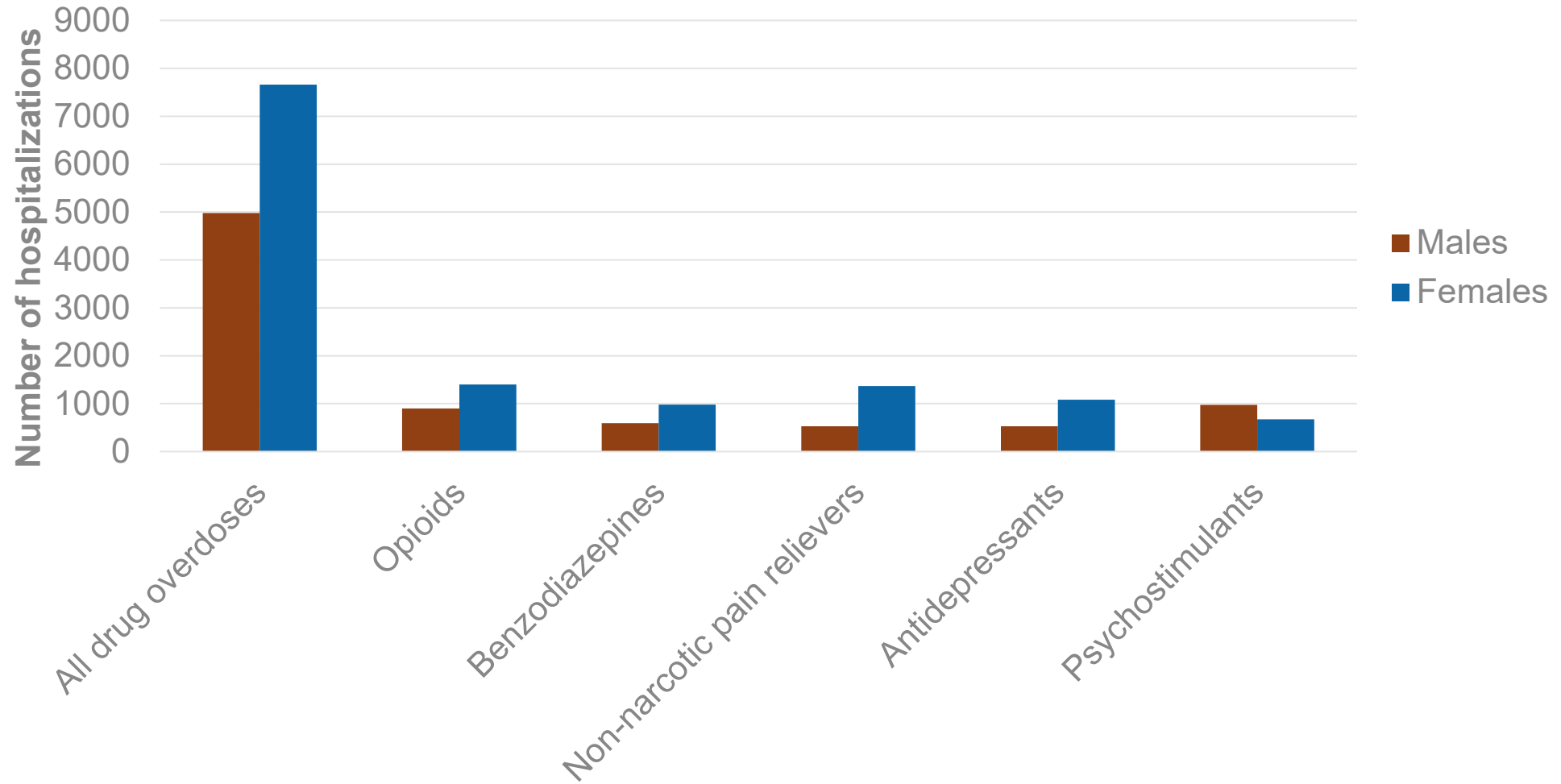


\*Preliminary 2021 data

Source: OSDH, Center for Health Statistics, Oklahoma Hospital Discharge Data



## ➤ Most Common Substances Involved in Drug Overdose Hospitalizations by Gender, Oklahoma, 2019-2021\*

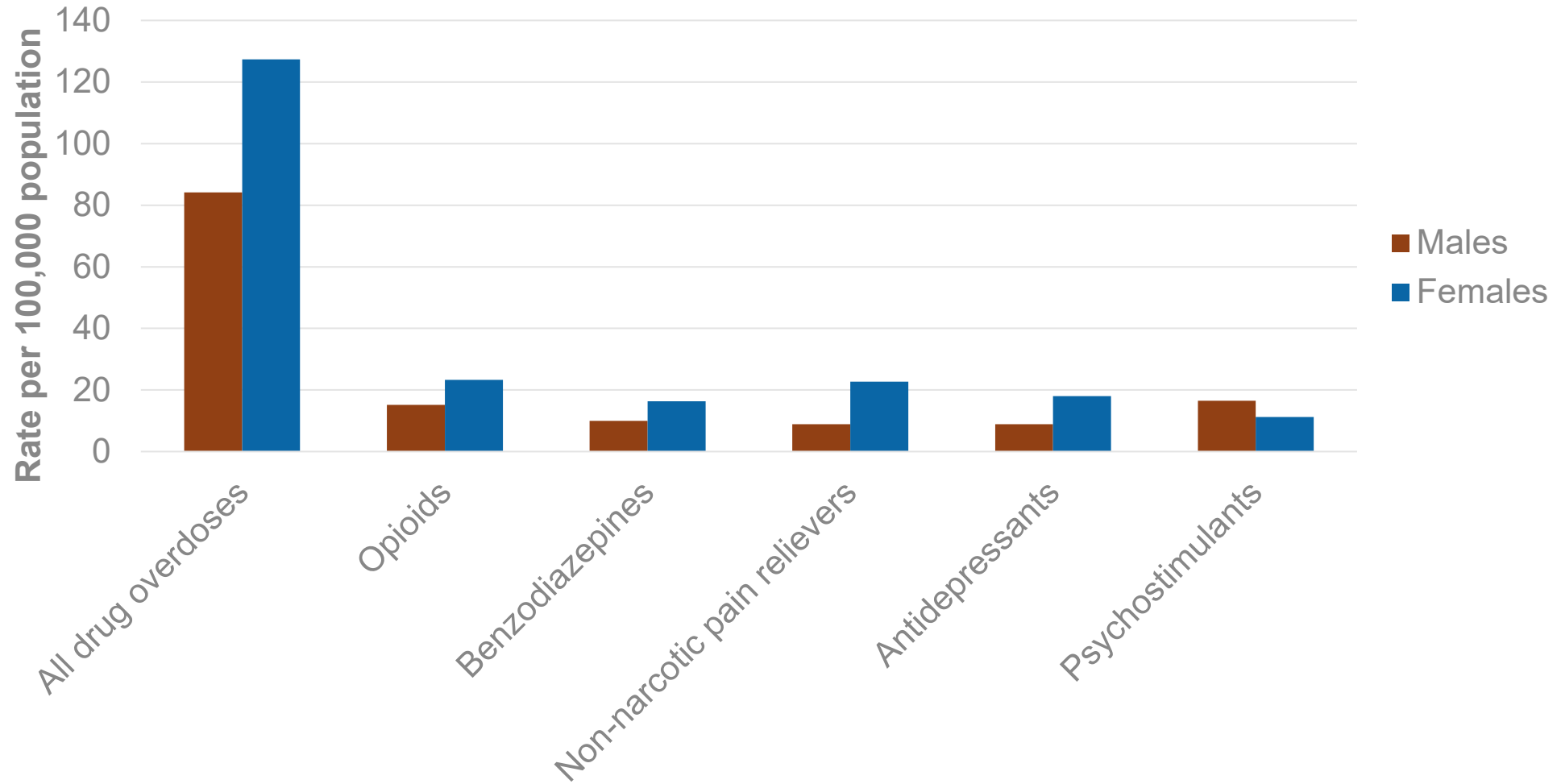


\*Preliminary 2021 data

Source: OSDH, Center for Health Statistics, Oklahoma Hospital Discharge Data



## ➤ Drug Overdose Hospitalization Rates by Gender and Substance, Oklahoma, 2019-2021\*

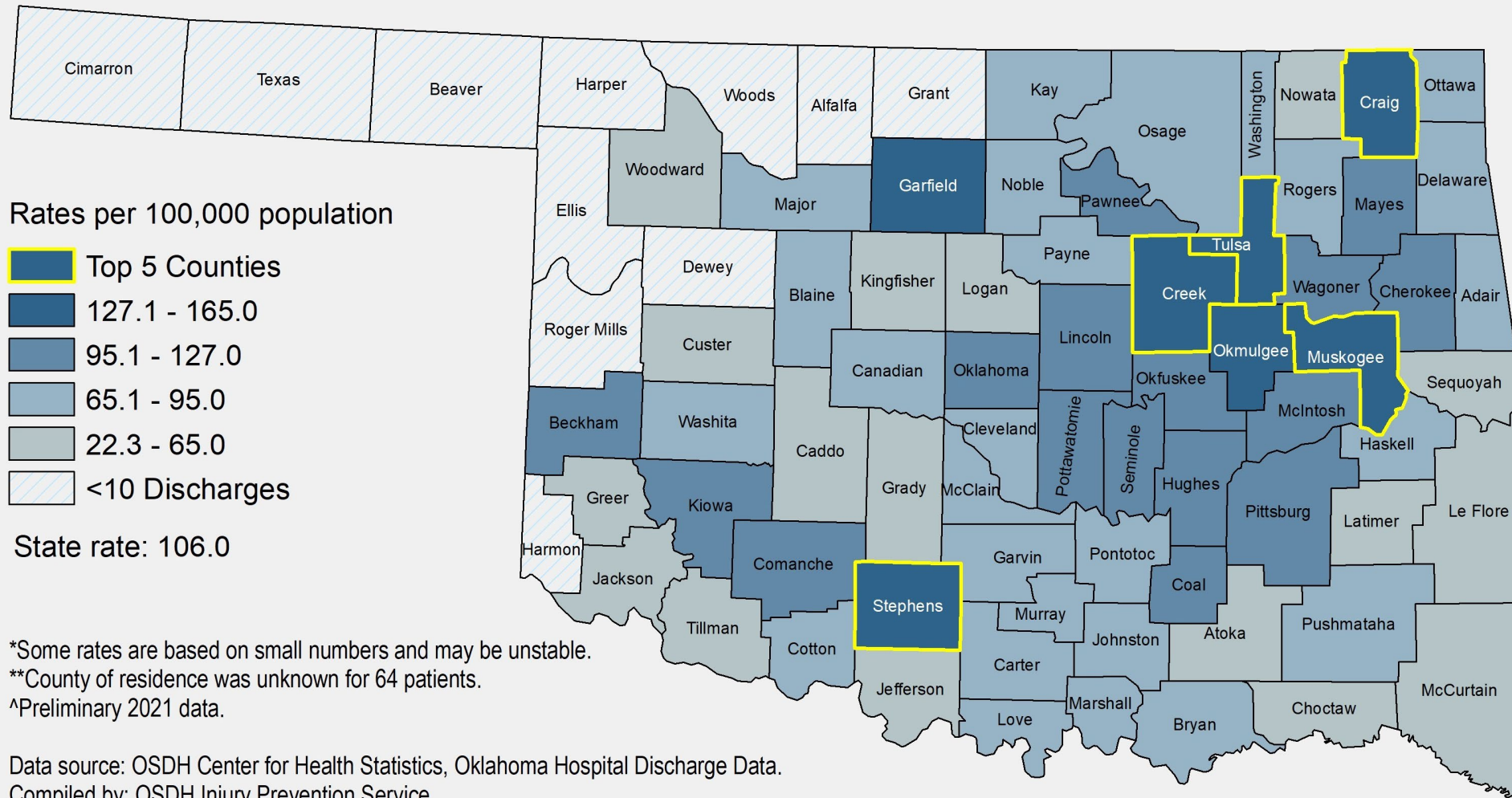


\*Preliminary 2021 data

Source: OSDH, Center for Health Statistics, Oklahoma Hospital Discharge Data



# ➤ Drug Overdose Hospitalization Rates\* by County of Residence\*\*, Oklahoma, 2019-2021<sup>^</sup>



# Questions?

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