

# West Virginia Fatal Drug Overdoses

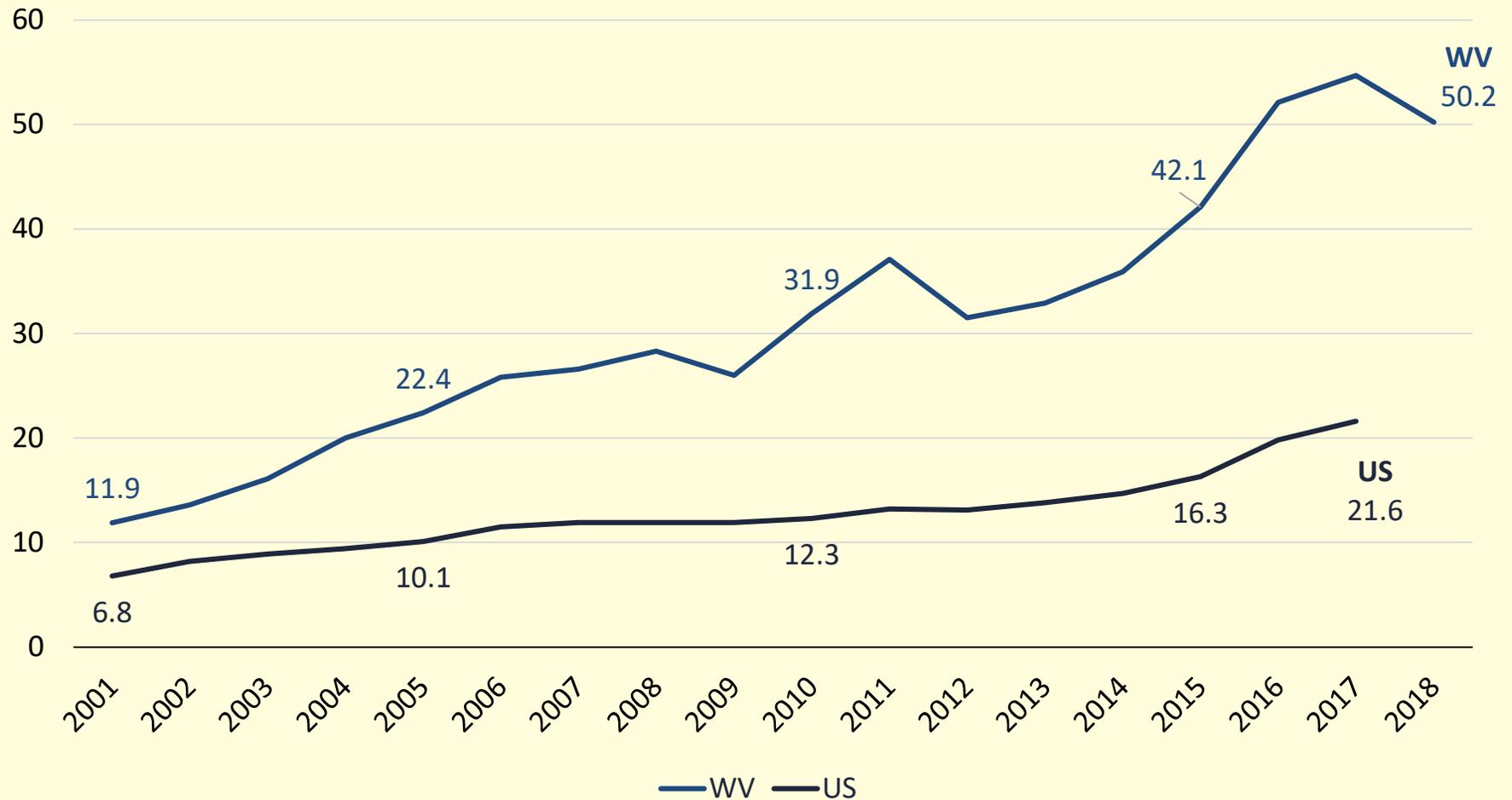
Update prepared by WV Health Statistics Center for the  
Statewide Epidemiological Outcomes Workgroup  
January 13, 2019



# WV and US

## WV and US Resident Drug Overdose Mortality, 2000-2018\*

Age-Adjusted Rate per 100,000 Population



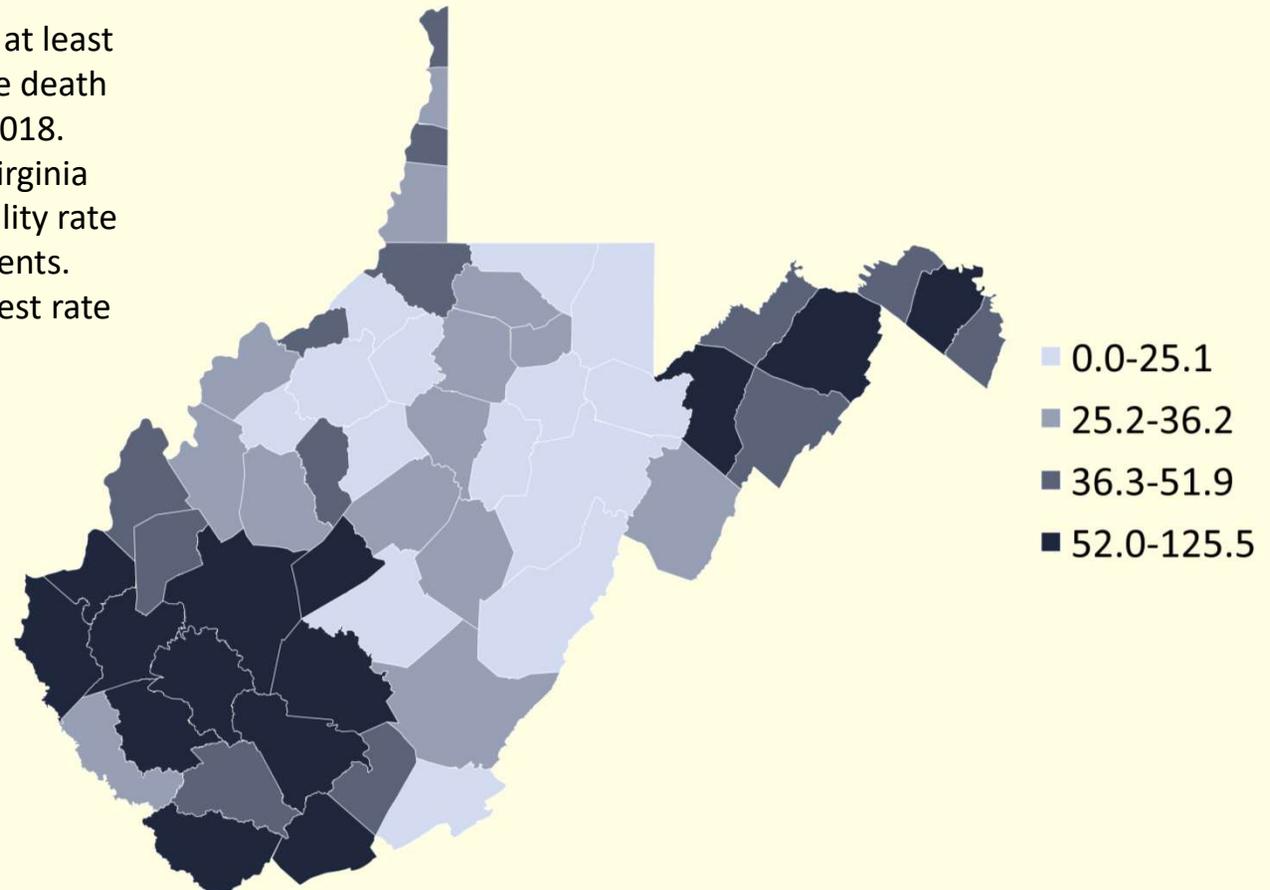
\*Data from 2018 are preliminary and subject to change. The US 2018 drug overdose mortality rate is not available.  
Source: WV Health Statistics Center, Vital Statistics System, December 2019 and CDC Wonder.

# Geographic

## WV Resident Drug Overdose Mortality, 2018\* *Crude Rate per 100,000 Population*

Every West Virginia county lost at least one resident to a drug overdose death sometime between 2015 and 2018.

- In 2018, the overall West Virginia crude drug overdose mortality rate was **48.0 per 100,000** residents.
- Cabell County had the highest rate at **125.5 per 100,000**.

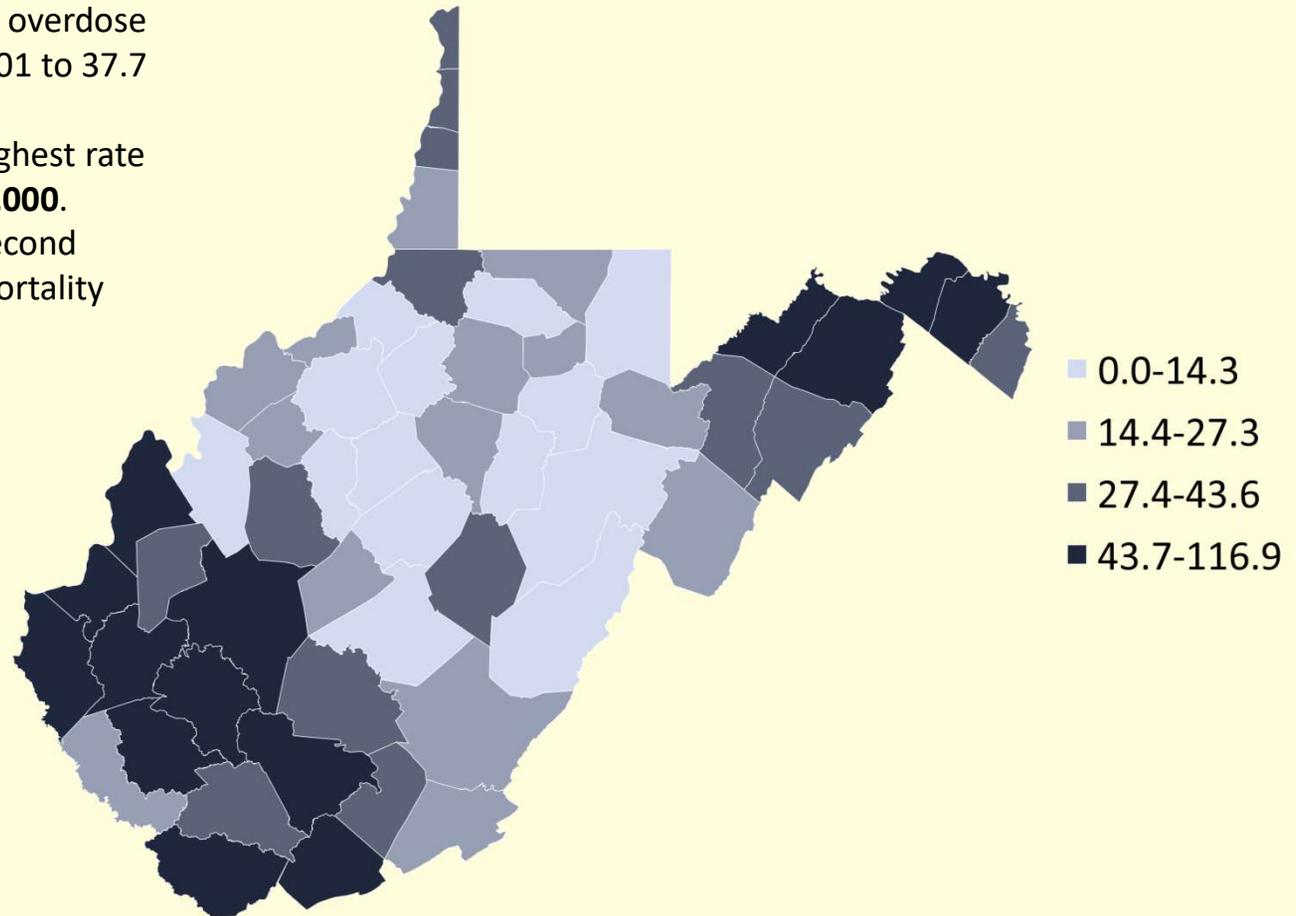


# Geographic

## WV Resident Opioid-Related Overdose Mortality Rate, 2018\* *Crude Rate per 100,000*

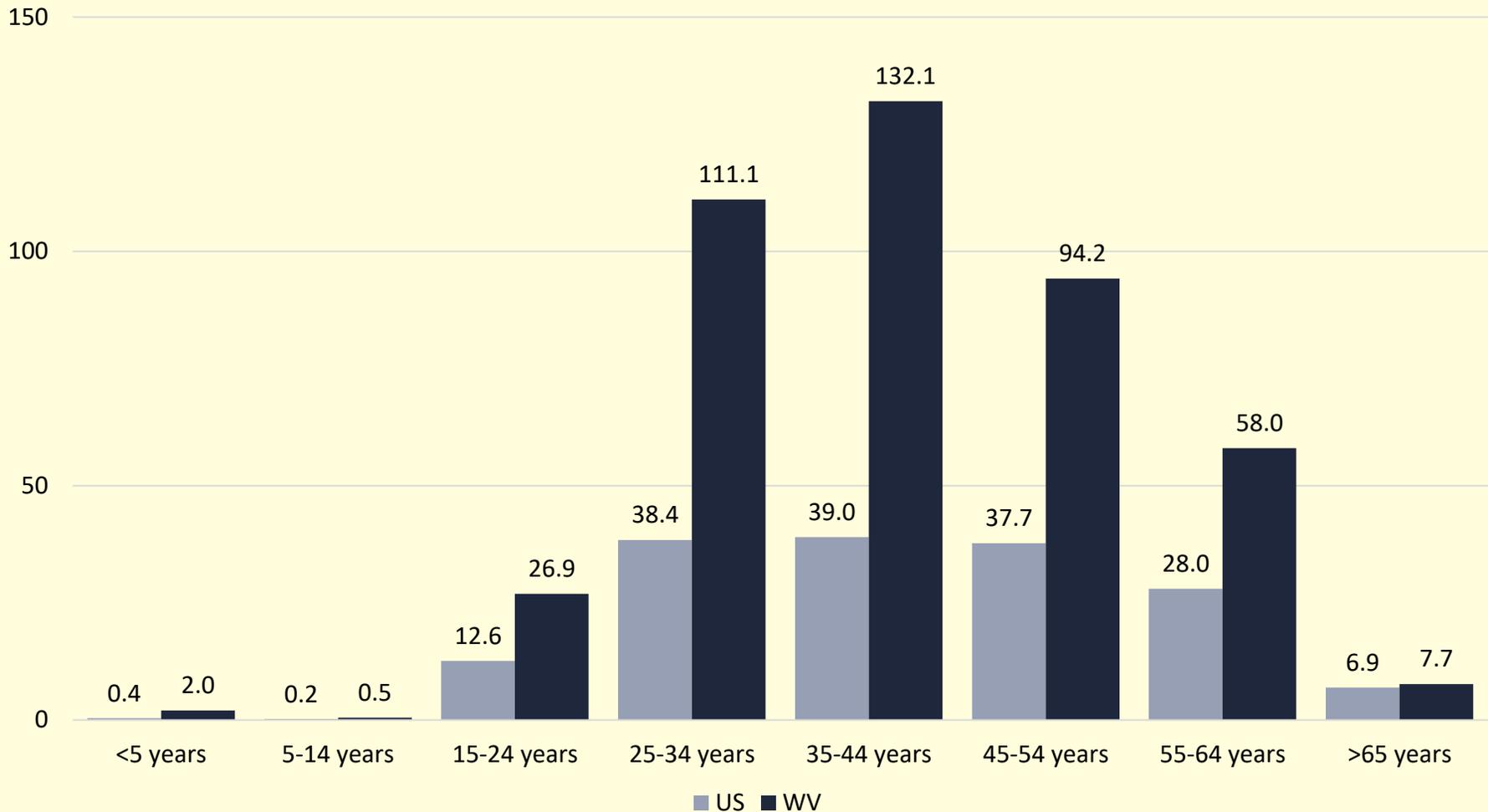
The statewide opioid-related overdose mortality rose from 8.4 in 2001 to 37.7 in 2018.

- Cabell County had the highest rate in 2018 at **114.8 per 100,000**.
- Boone County had the second highest opioid-related mortality rate at **82.0 per 100,000**.



# Age Group Comparison

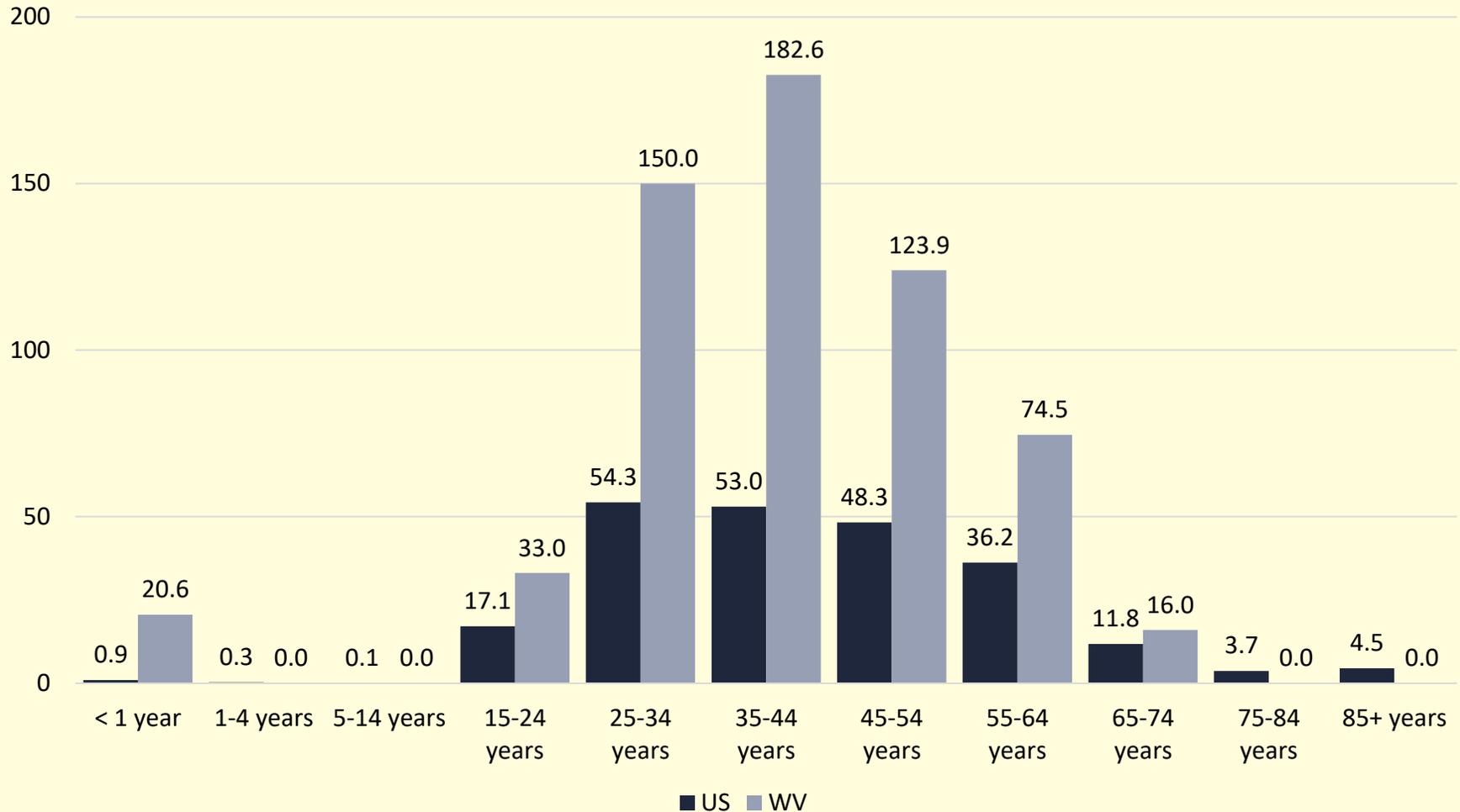
**Drug Overdose Mortality, 2017**  
*Age-Specific Mortality Rate per 100,000 Population*



Rates calculated for age groups with fewer than 10 overdose deaths are unreliable and subject to large fluctuations.  
Source: WV Health Statistics Center, Vital Statistics System, December 2019 and CDC Wonder.

# Age-Specific Mortality Rates

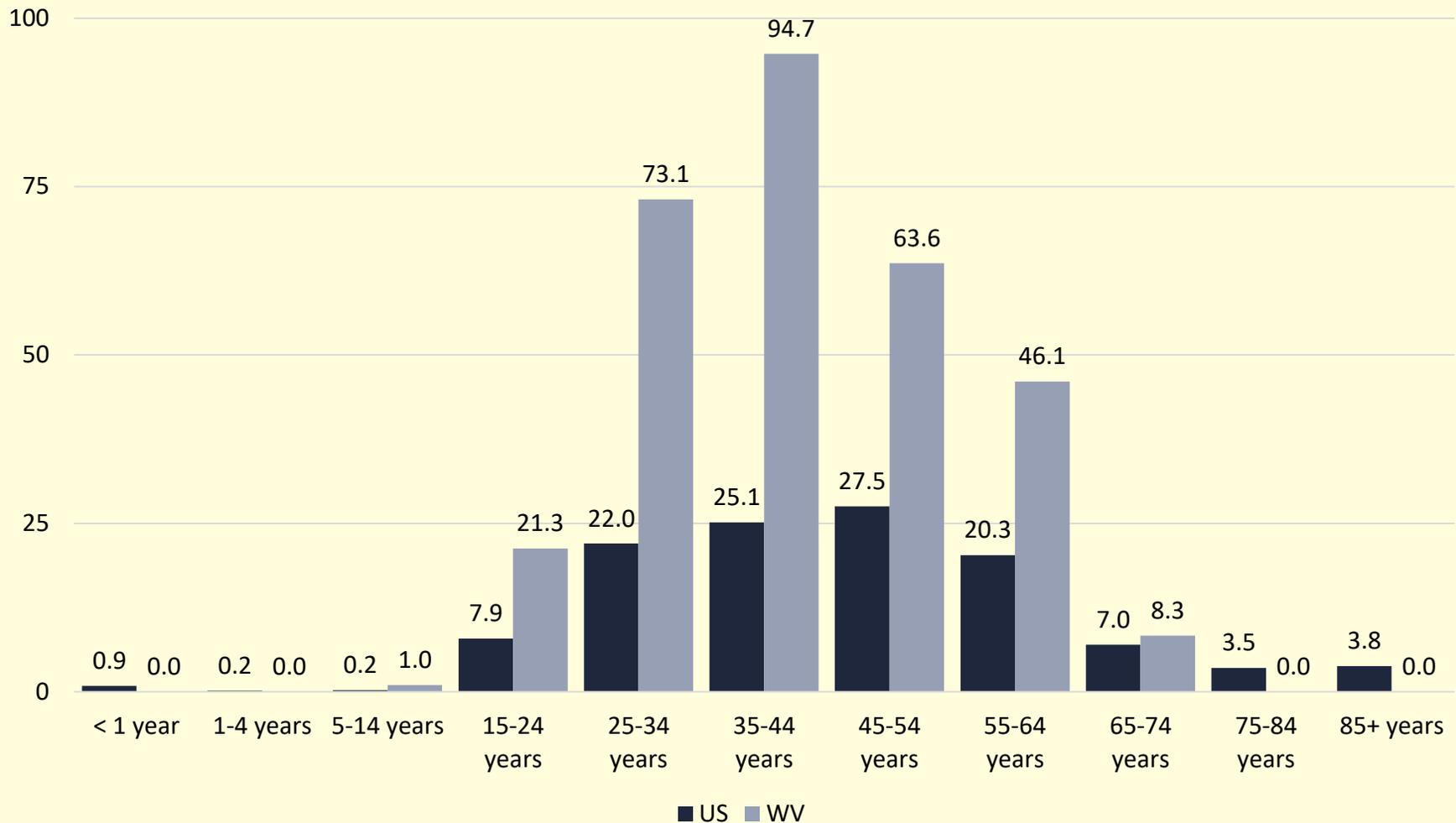
**Male Drug Overdose Mortality, 2017**  
*Age-Specific Mortality Rates per 100,000*



Rates calculated for age groups with fewer than 10 overdose deaths are unreliable and subject to large fluctuations.  
Source: WV Health Statistics Center, Vital Statistics System, December 2019.

# Age-Specific Mortality Rates

**Female Drug Overdose Mortality, 2017**  
*Age-Specific Mortality Rates per 100,000*

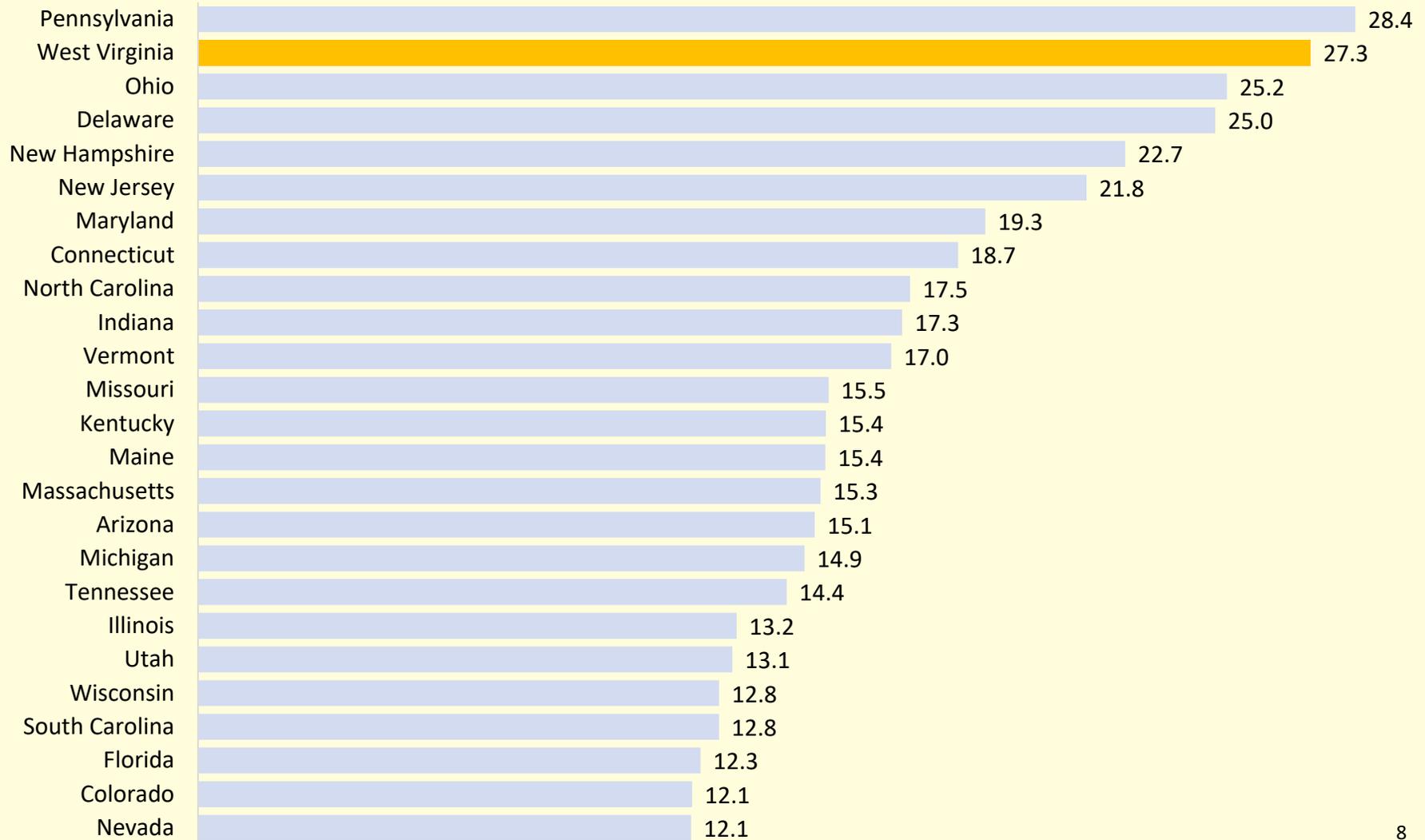


Rates calculated for age groups with fewer than 10 overdose deaths are unreliable and subject to large fluctuations.  
Source: WV Health Statistics Center, Vital Statistics System, December 2019.

# State-Level Mortality Rates by Age Group

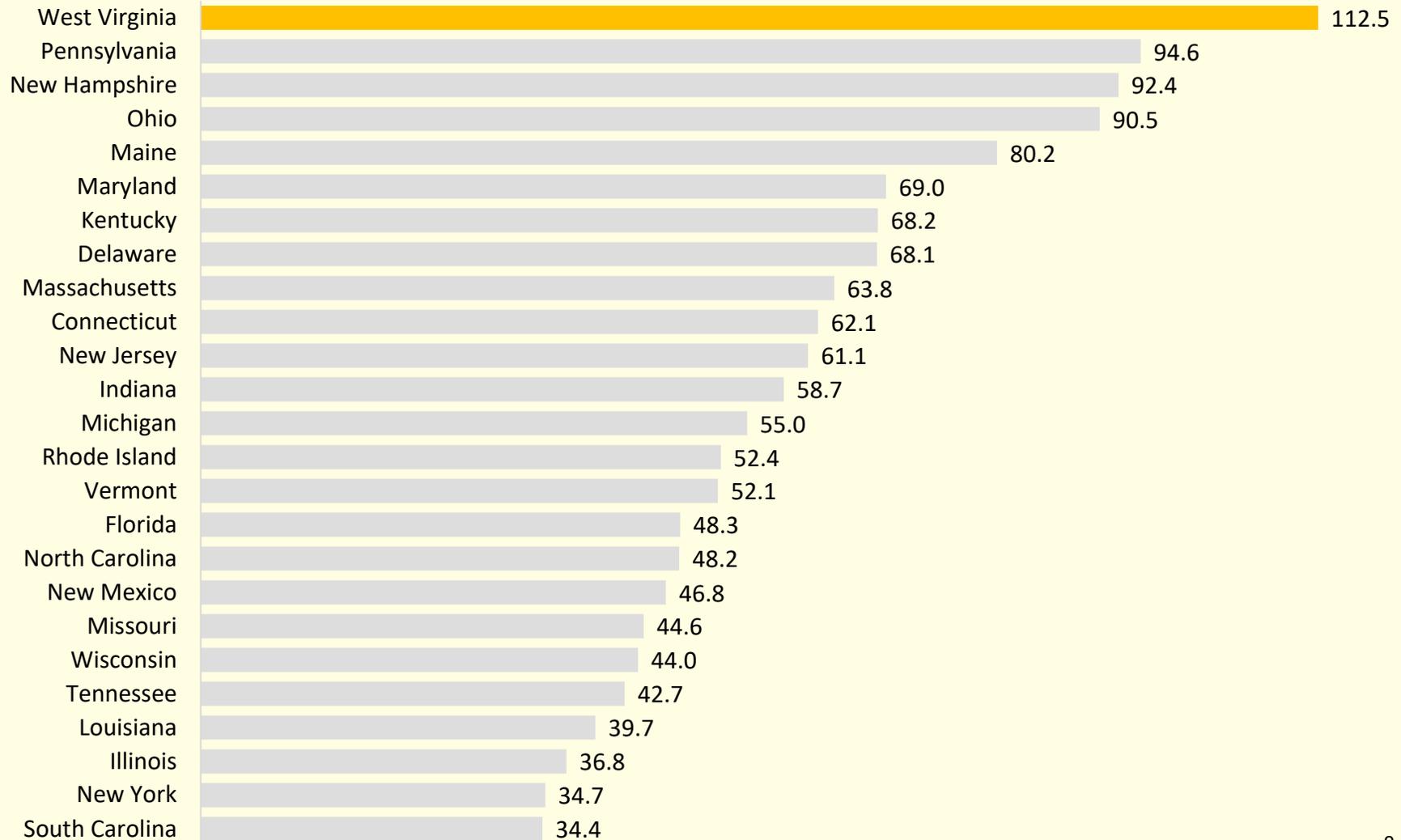
# State-Level Mortality Rates by Age Group

## Crude Drug Overdose Mortality Rates Among Those Aged 15-24 Years, 2017 *25 Highest Rates*



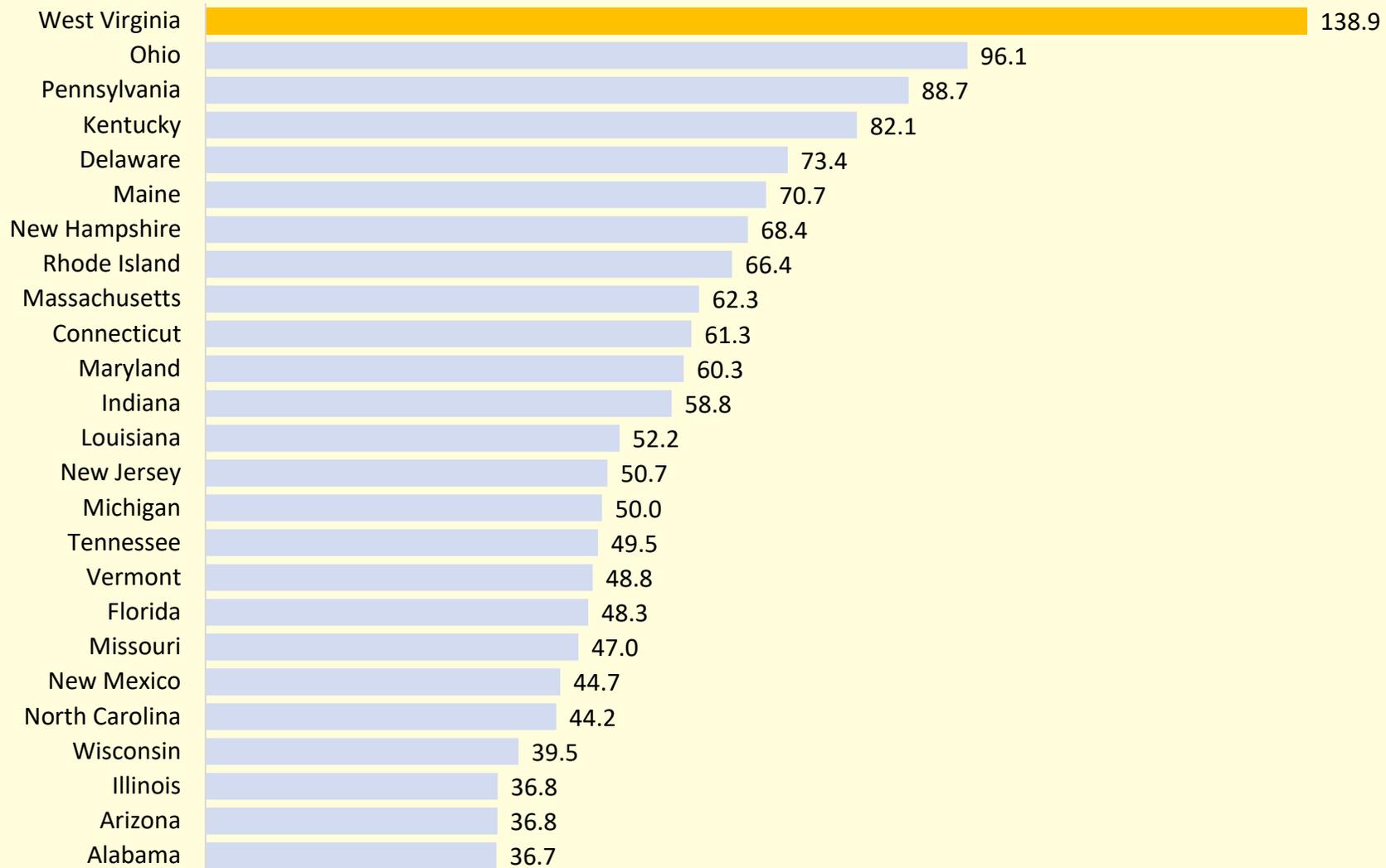
# State-Level Mortality Rates by Age Group

## Crude Drug Overdose Mortality Rates Among Those Aged 25-34 Years, 2017 *25 Highest Rates*



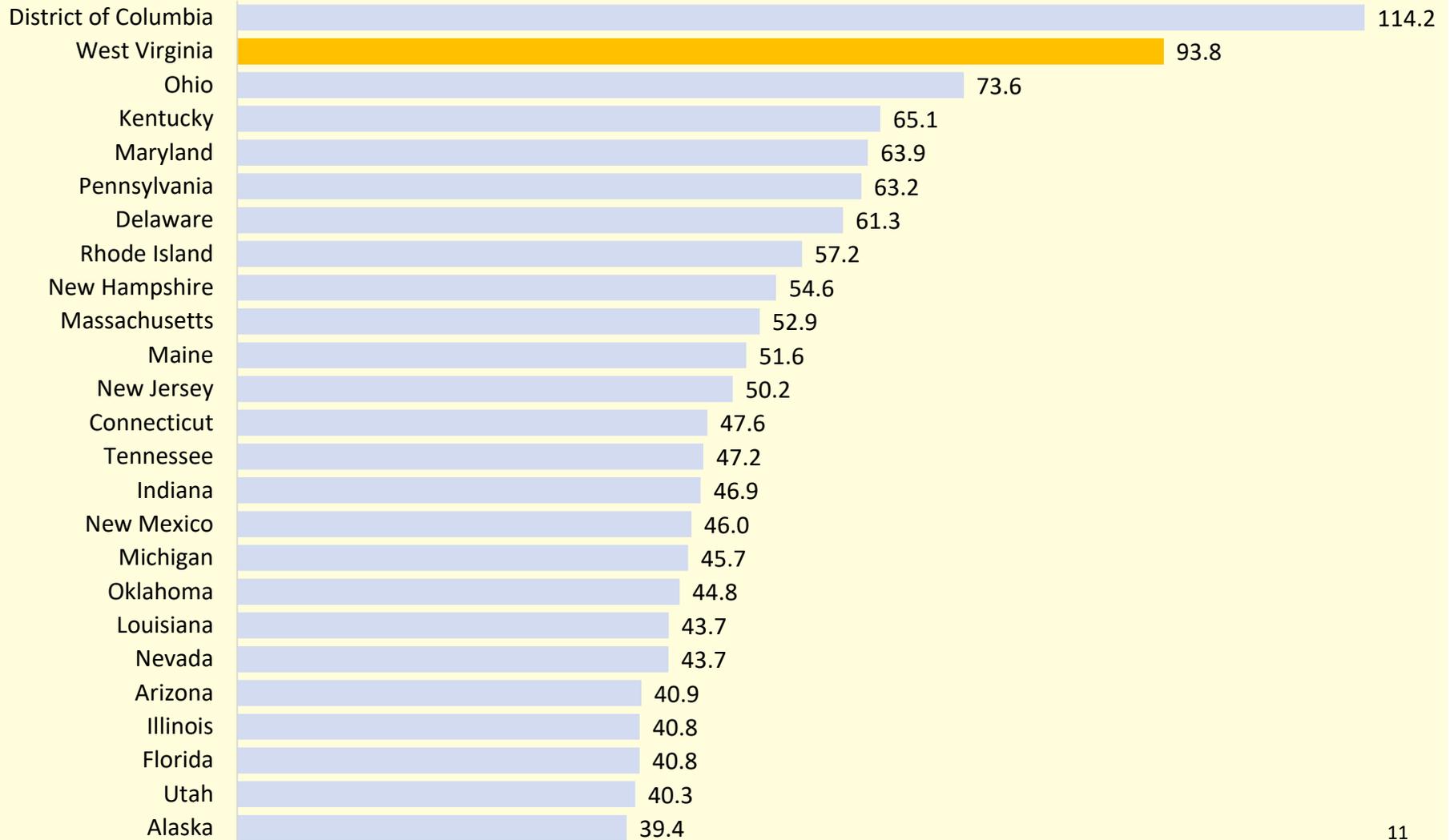
# State-Level Mortality Rates by Age Group

## Crude Drug Overdose Mortality Rates Among Those Aged 35-44 Years, 2017 *25 Highest Rates*



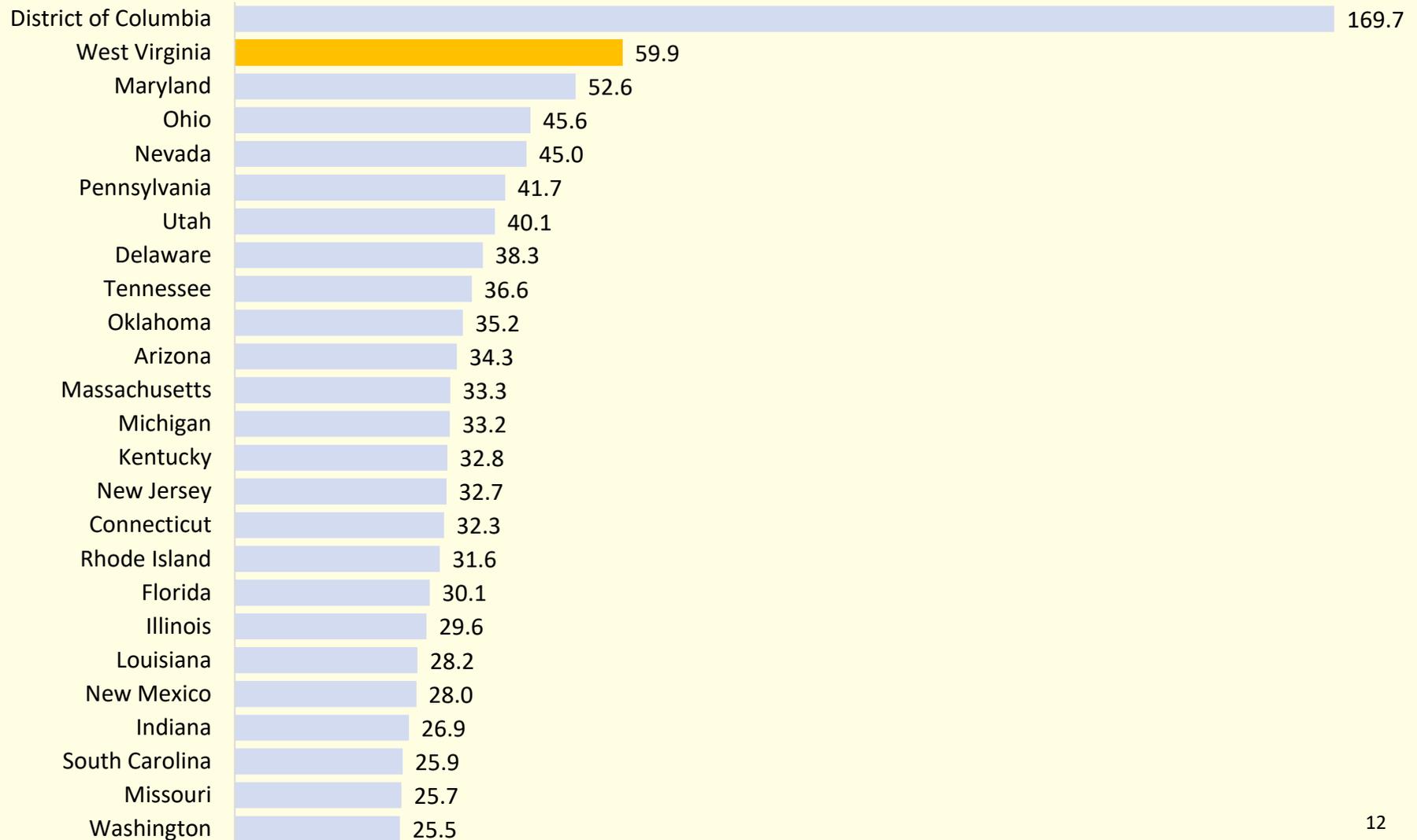
# State-Level Mortality Rates by Age Group

## Crude Drug Overdose Mortality Rates Among Those Aged 45-54 Years, 2017 *25 Highest Rates*



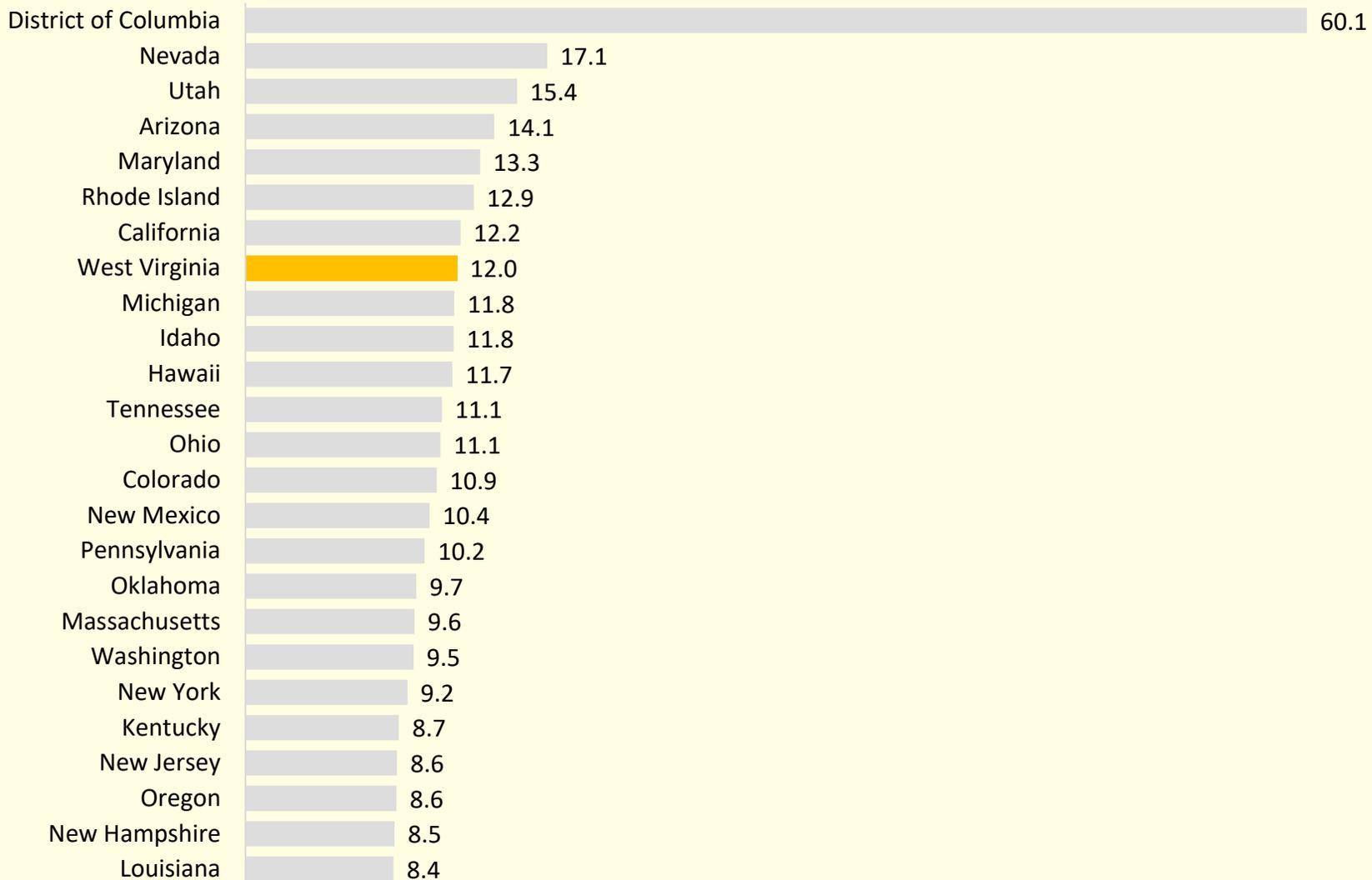
# State-Level Mortality Rates by Age Group

## Crude Drug Overdose Mortality Rates Among Those Aged 55-64 Years, 2017 *25 Highest Rates*



# State-Level Mortality Rates by Age Group

## Crude Drug Overdose Mortality Rates Among Those Aged 65-74 Years, 2017 *25 Highest Rates*



# Fatal Drug Overdoses Occurring in West Virginia

# Trends

**WV Monthly Fatal Overdoses, 2017-2018**  
*WV Occurrences*

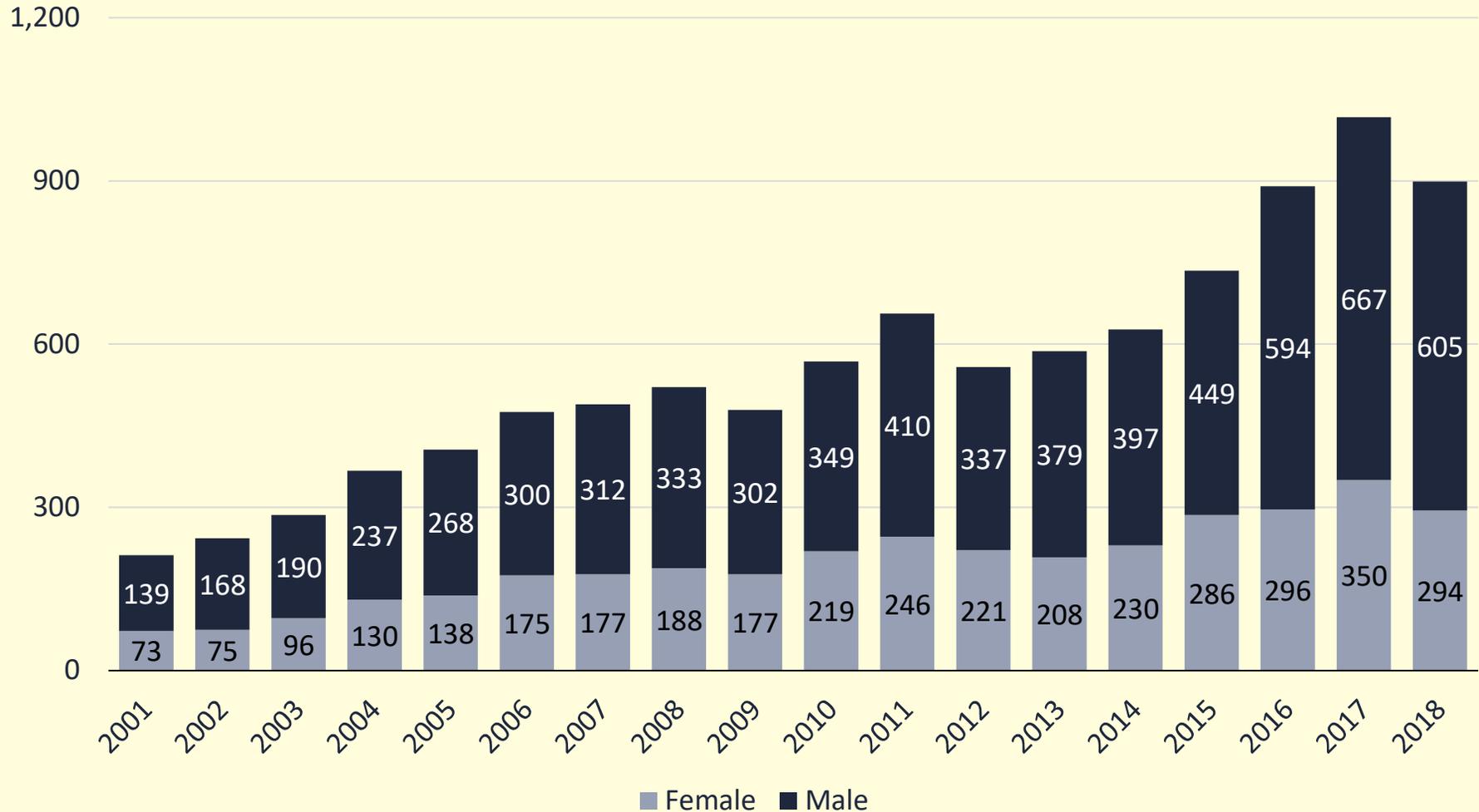


	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
2018	62	76	83	77	75 ↑	79	79	89 ↑	68 ↑	75	61	75
2017	97	96	95	104	72 ↑	81	87	67 ↑	59 ↑	79	84	96

Note: Data from 2017 and 2018 are preliminary and subject to change.  
Source: WV Health Statistics Center, Vital Statistics System, December 2019.

# Trend Analysis

## Fatal Drug Overdoses Occurring in WV by Sex, 2001-2018



Note: Data from 2017 and 2018 are preliminary and subject to change.  
Source: WV Health Statistics Center, Vital Statistics System, December 2019.

# All Drug Overdose Deaths

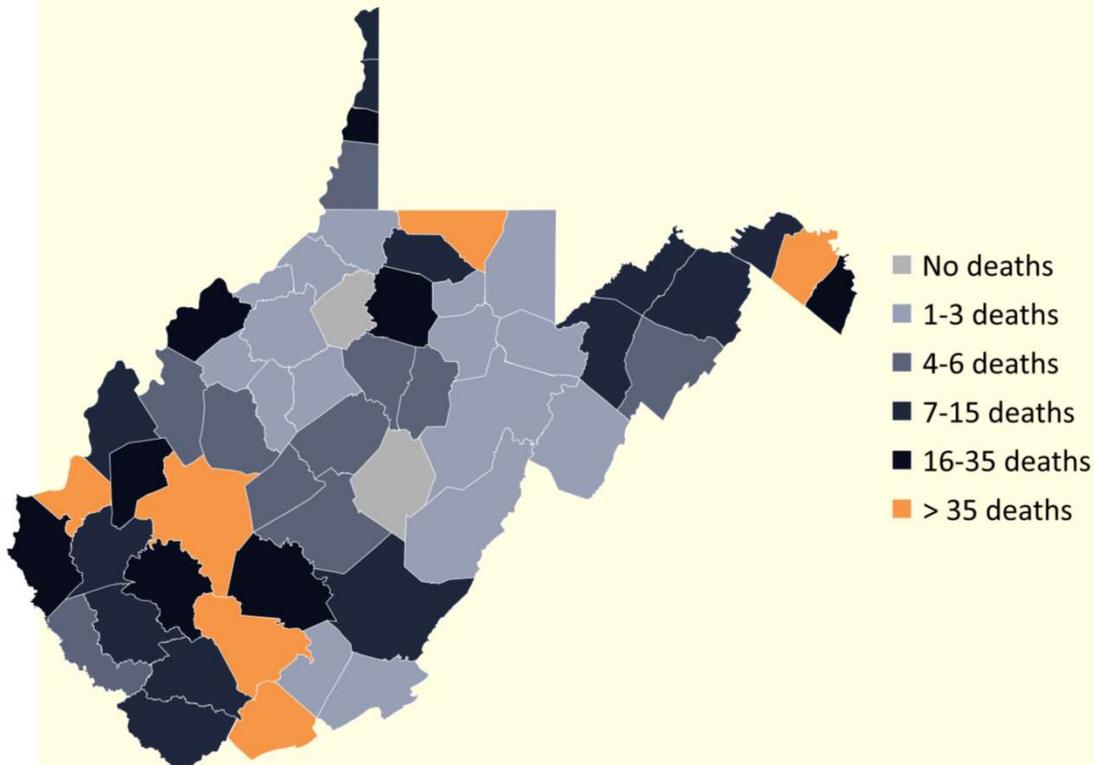
In 2018:

**899** drug overdose deaths occurred in WV

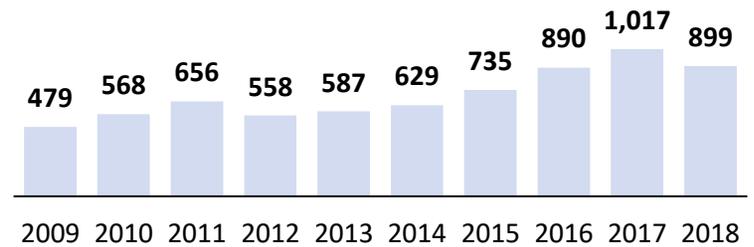
**151** occurred in Cabell County

**2** counties had no drug overdose deaths

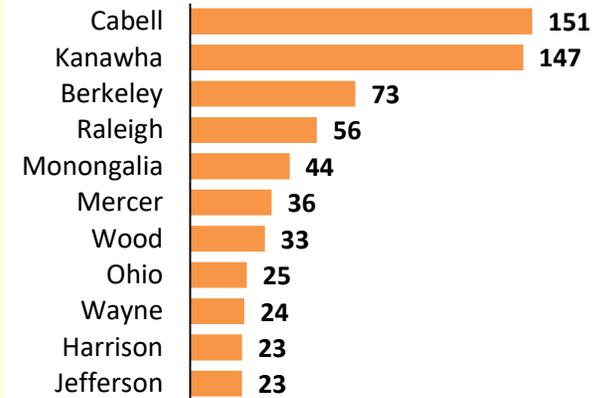
Fatal Drug Overdoses by County of Occurrence, 2018



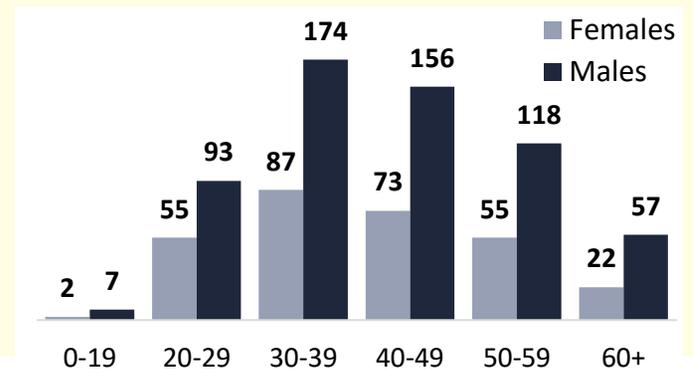
Fatal Drug Overdoses, 2009-2018



Top Ten Counties, 2018



Fatal Drug Overdoses, 2018



Note: Data from 2017 and 2018 are preliminary and subject to change. Map categories are defined at the 25<sup>th</sup>, 50<sup>th</sup>, 75<sup>th</sup>, and 90<sup>th</sup> percentile.

Source: WV Health Statistics Center, Vital Statistics System, December 2019.

# Opioid-Related Overdose Deaths

In 2018:

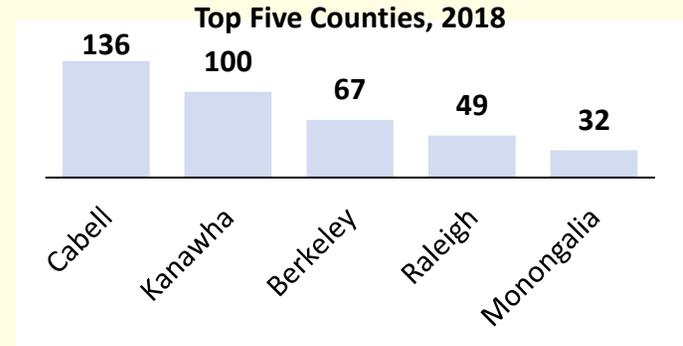
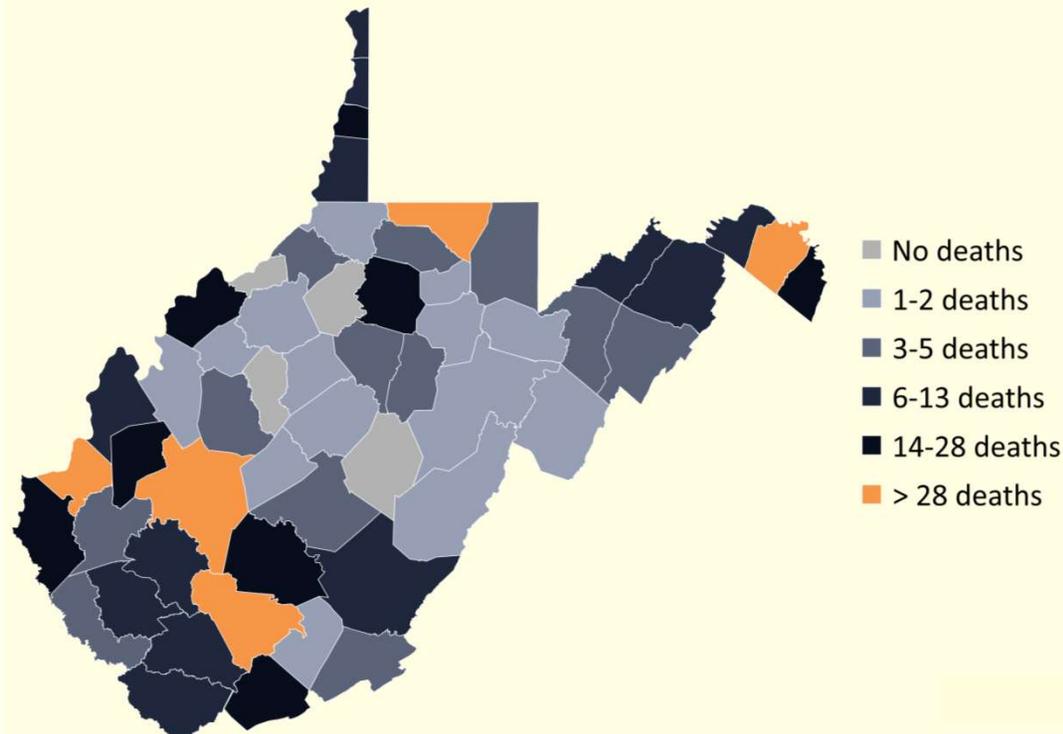
**732** opioid-related overdose deaths occurred in WV

**136** occurred in Cabell County

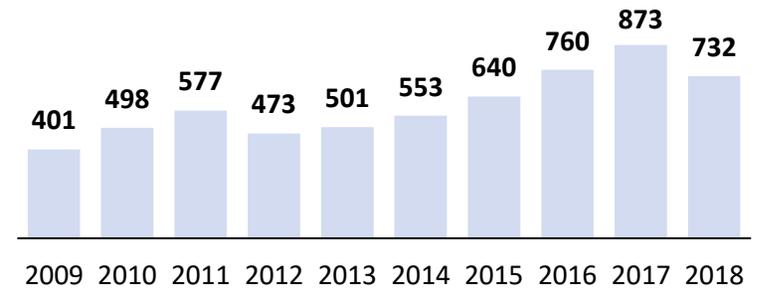
**4** counties had no opioid-related overdose deaths

**81%** of overdose deaths involved an opioid

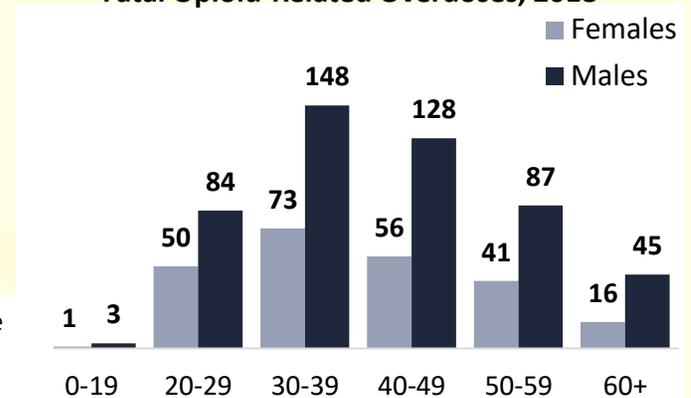
Fatal Opioid-Related Overdoses by County of Occurrence, 2018



Fatal Opioid-Related Overdoses, 2009-2018



Fatal Opioid-Related Overdoses, 2018



Note: Data from 2017 and 2018 are preliminary and subject to change. Map categories are defined at the 25<sup>th</sup>, 50<sup>th</sup>, 75<sup>th</sup>, and 90<sup>th</sup> percentile. Due to polypharmacy, other types of drugs are normally involved in opioid-related deaths.

Source: WV Health Statistics Center, Vital Statistics System, December 2019.

# Fentanyl-Related Overdose Deaths

In 2018:

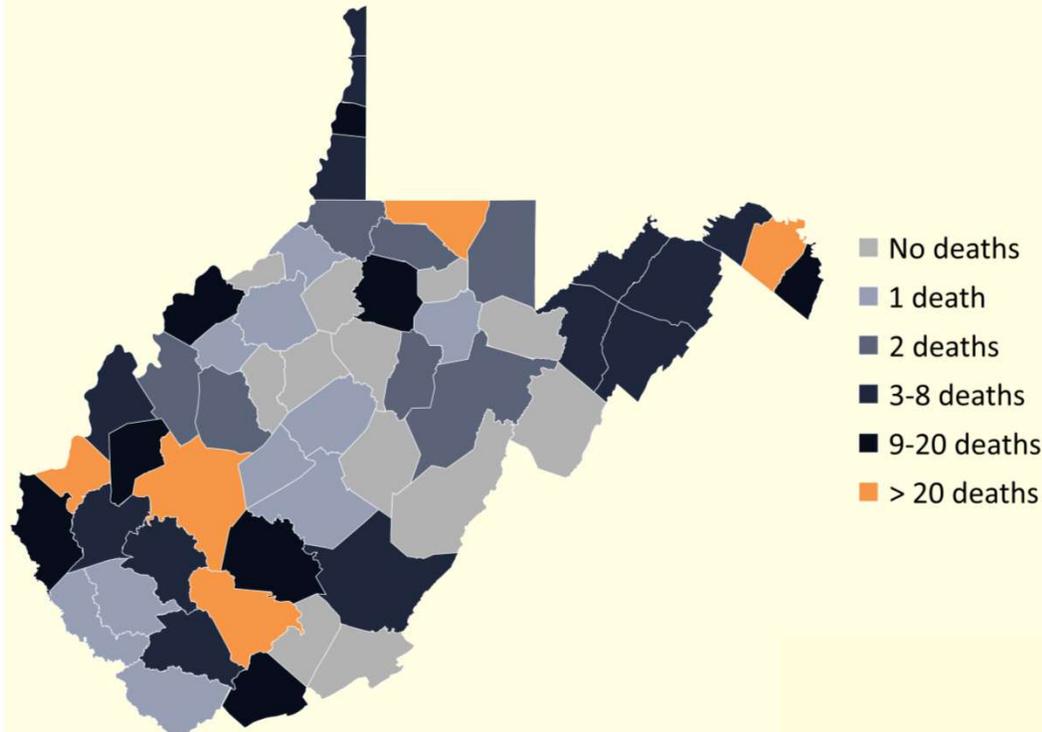
**530** fentanyl-related overdose deaths occurred in WV

**122** occurred in Cabell County

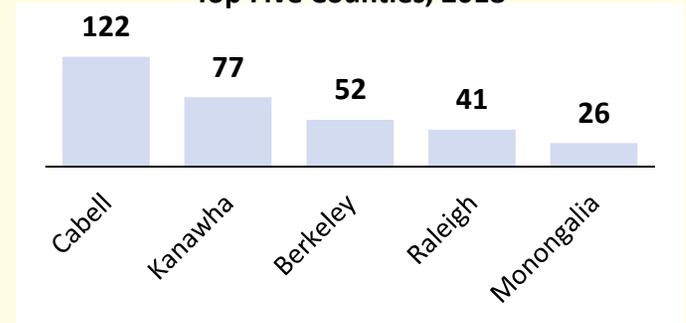
**12** counties had no fentanyl-related overdose deaths

**59%** of overdose deaths involved fentanyl

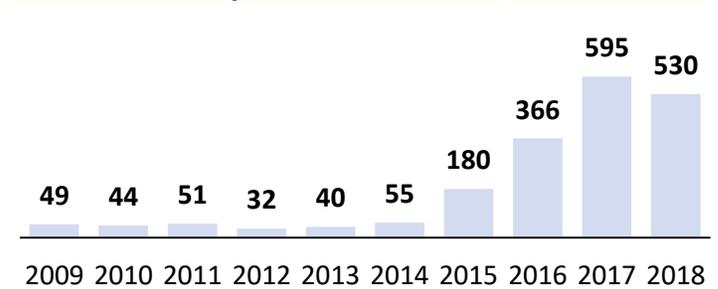
Fatal Fentanyl-Related Overdoses by County of Occurrence, 2018



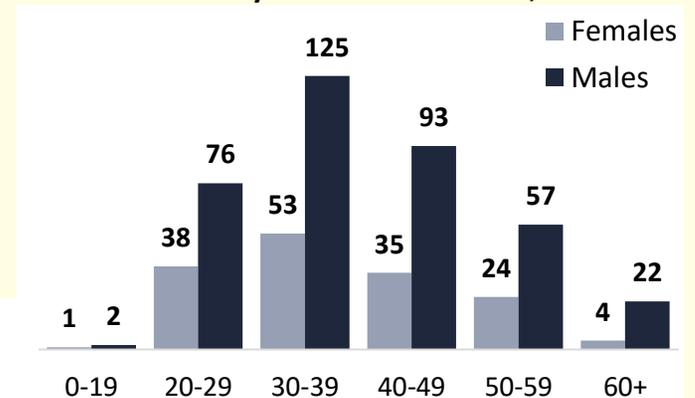
Top Five Counties, 2018



Fatal Fentanyl-Related Overdoses, 2009-2018



Fatal Fentanyl-Related Overdoses, 2018



Note: Data from 2017 and 2018 are preliminary and subject to change. Map categories are defined at the 25<sup>th</sup>, 50<sup>th</sup>, 75<sup>th</sup>, and 90<sup>th</sup> percentile. Due to polypharmacy, other types of drugs are normally involved in fentanyl-related deaths.

Source: WV Health Statistics Center, Vital Statistics System, December 2019.

# Methamphetamine-Related Overdose Deaths

In 2018:

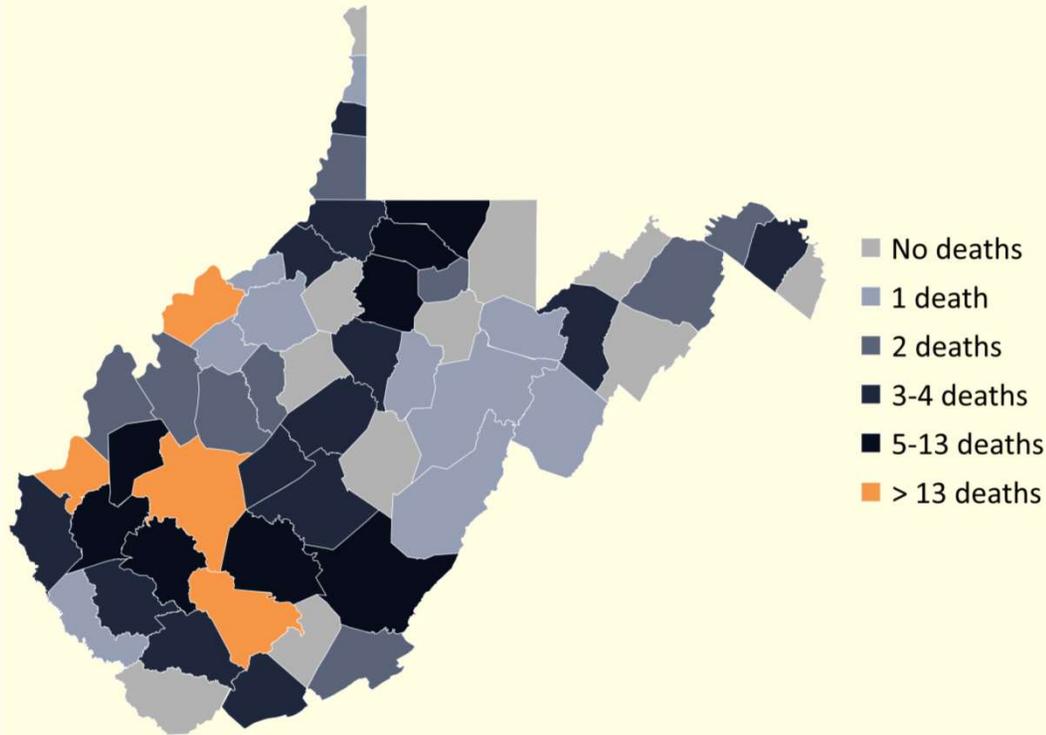
**323** methamphetamine-related overdose deaths occurred in WV

**77** occurred in Kanawha County

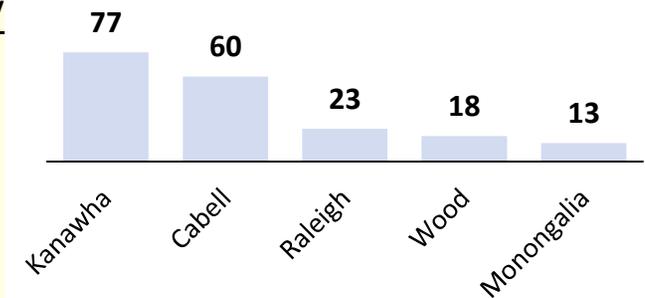
**9** counties had no methamphetamine-related overdose deaths

**36%** of overdose deaths involved methamphetamine

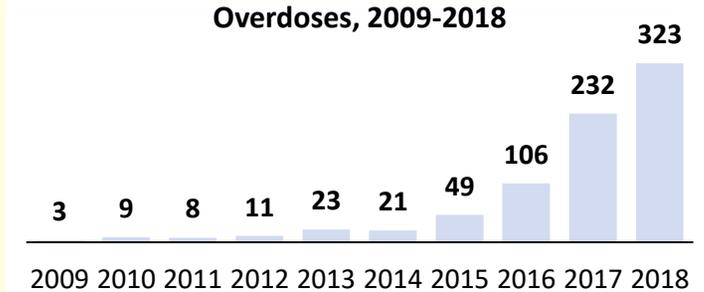
Fatal Methamphetamine-Related Overdoses by County of Occurrence, 2018



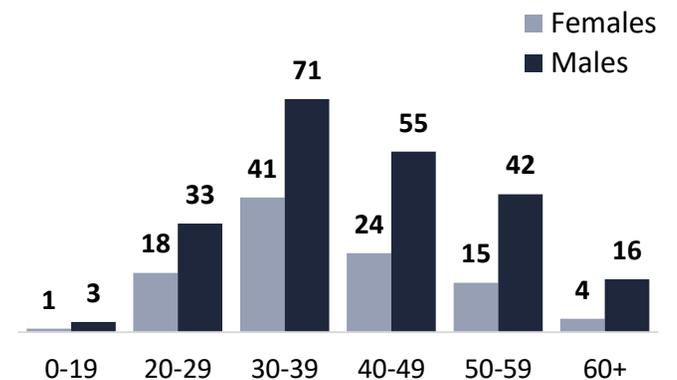
Top Five Counties, 2018



Fatal Methamphetamine-Related Overdoses, 2009-2018



Fatal Methamphetamine-Related Overdoses, 2018

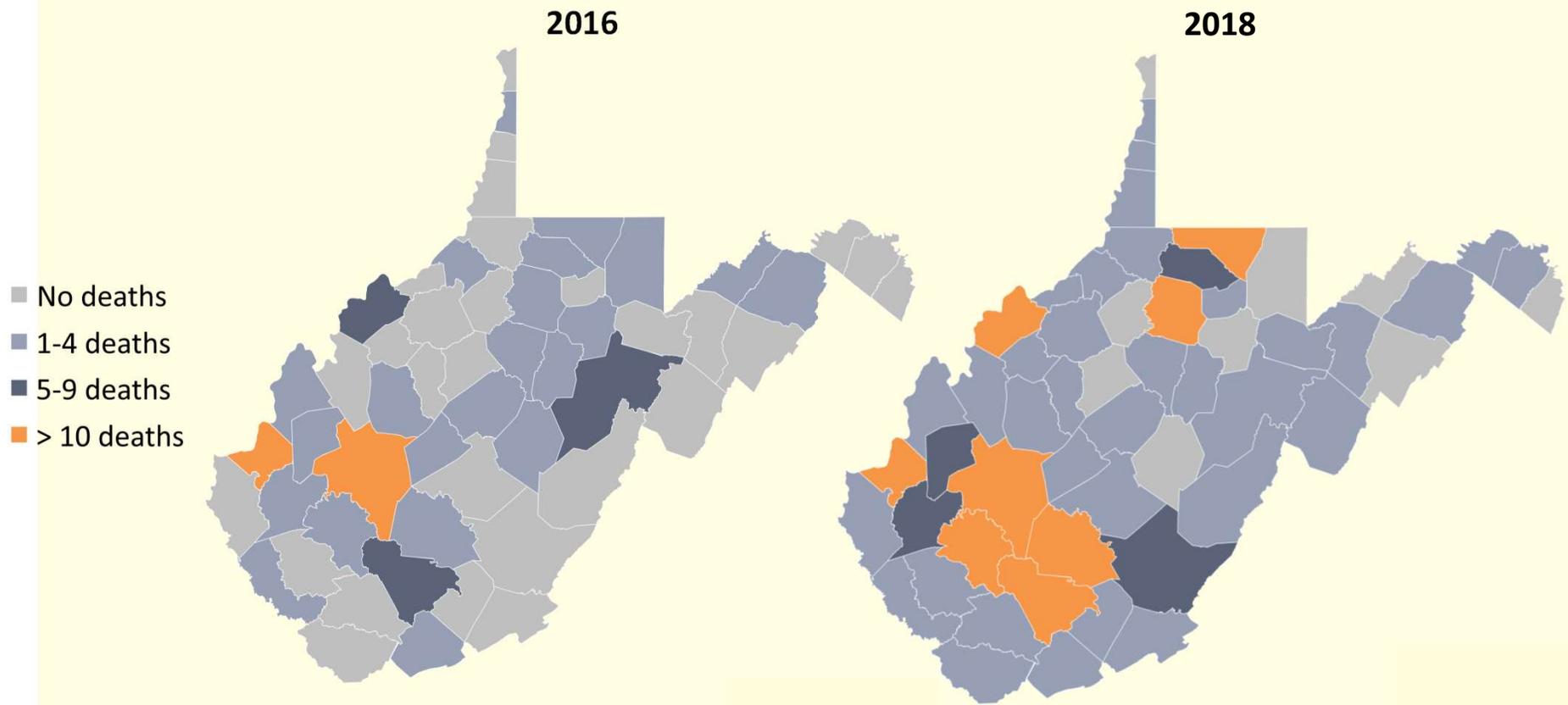


Note: Data from 2017 and 2018 are preliminary and subject to change. Map categories are defined at the 25<sup>th</sup>, 50<sup>th</sup>, 75<sup>th</sup>, and 90<sup>th</sup> percentile. Due to polypharmacy, other types of drugs are normally involved in methamphetamine-related deaths.

Source: WV Health Statistics Center, Vital Statistics System, December 2019.

# Fatal Methamphetamine-Related Overdoses by County of Occurrence

In 2016, there were **106** methamphetamine-related overdoses in WV, and 28 counties did not have any methamphetamine-related overdose deaths. By 2018, there were **323** methamphetamine-related overdose deaths, and 9 counties did not have any methamphetamine-related overdose deaths.



Note: Data from 2017 and 2018 are preliminary and subject to change. Map categories are defined at the 25<sup>th</sup>, 50<sup>th</sup>, 75<sup>th</sup>, and 90<sup>th</sup> percentile in 2018. Due to polypharmacy, other types of drugs are normally involved in methamphetamine-related deaths.

Source: WV Health Statistics Center, Vital Statistics System, December 2019.

# Contact



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