West Virginia Fatal Drug Overdoses

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2021 WV Resident Deaths and Occurrences



West Virginia resident deaths: 1,493

- West Virginia residents who died in state: 1,410
- West Virginia residents who died out-of-state: 83
 - OH: 20, VA: 12, MD: 12, KY: 11, PA: 8
 - FL, NC, SC, LA, CA, CT, GA, MI, MT, ND

West Virginia occurrences: 1,504

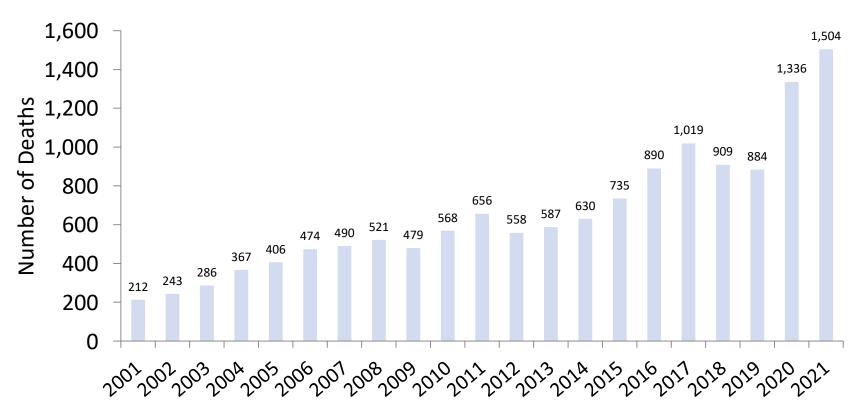
- Out-of-state residents who died in West Virginia: 95
 - OH: 32, PA: 15, VA: 12, MD: 10, KY: 4
 - NC: 7, SC, FL, IN, MI, TN, IL, MS

West Virginia Occurrences

West Virginia Occurrences



Drug Overdose Deaths Occurring in West Virginia, 2001-2021



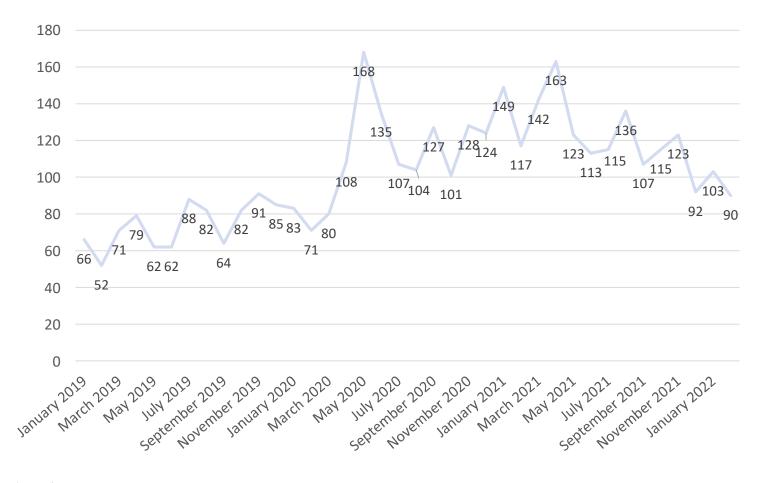
Data Source: West Virginia Health Statistics Center, Vital Statistics System

These statistics include all manners of drug overdose deaths including accidents, suicides, homicides, and undetermined intent with an underlying cause of death ICD-10 code of X40-X44 (accidents), X60-X64 (suicides), X85 (homicides), or Y10-Y14 (undetermined intent). Data from 2020 and 2021 are preliminary and subject to change.

West Virginia Deaths by Month



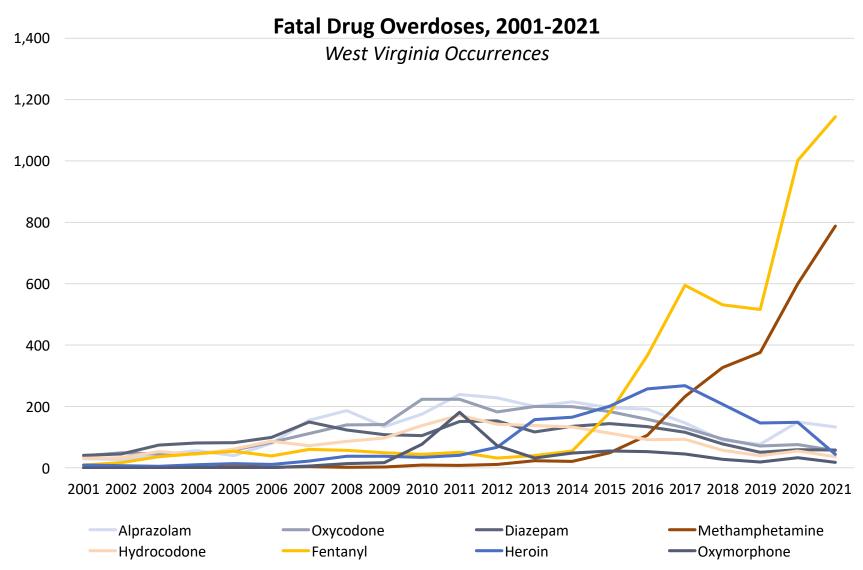
West Virginia Occurrence Drug Overdose Deaths, 2019-2021*



^{*}Data from 2021 and 2022 are preliminary and subject to change. Data Source: West Virginia Health Statistics Center, Vital Statistics System

Trend Analysis

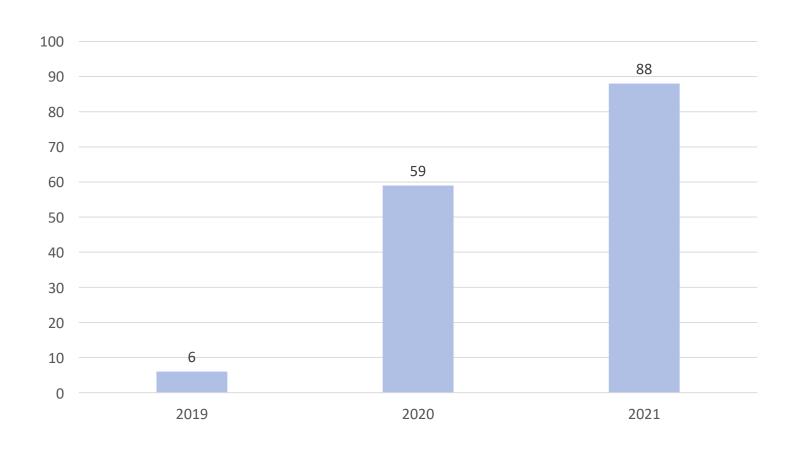




Xylazine

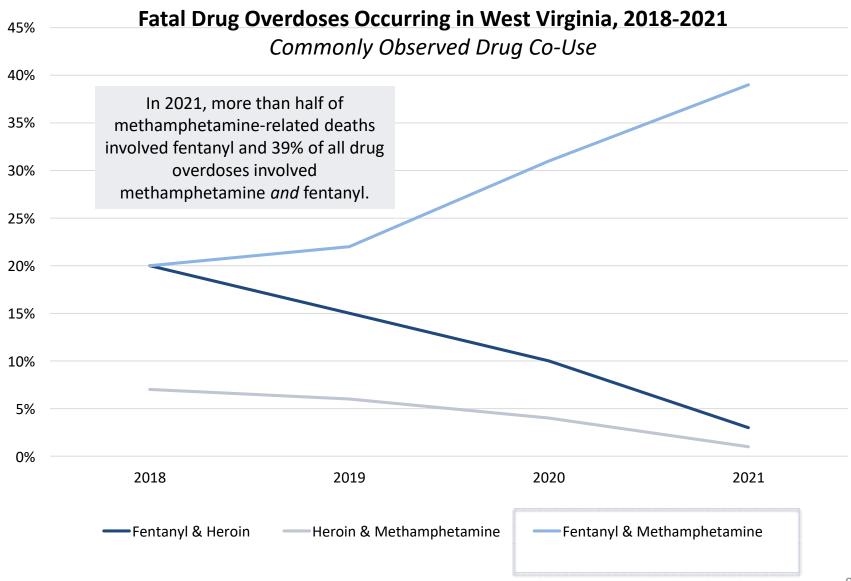


Fatal Xylazine-related Overdoses Occurring in West Virginia, 2018-2021



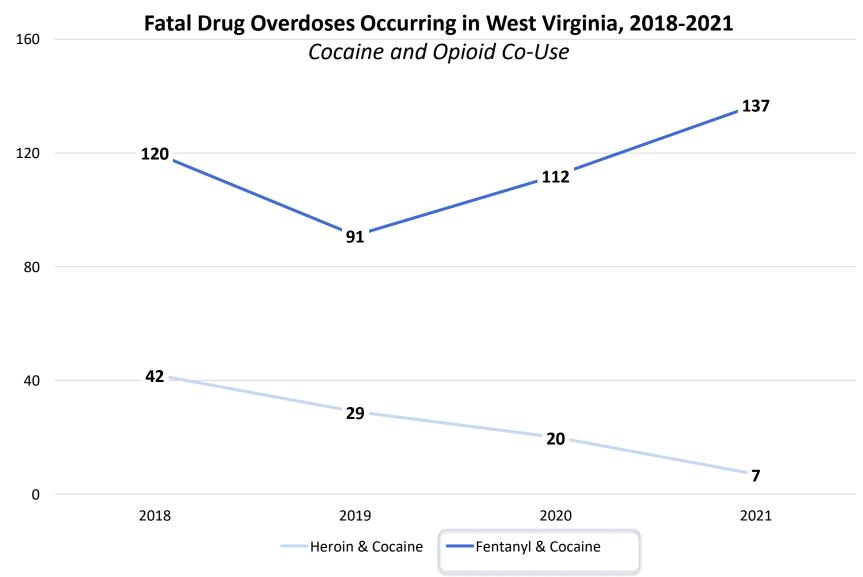
Co-Occurring Drug Use





Co-Occurring Drug Use, Cont.



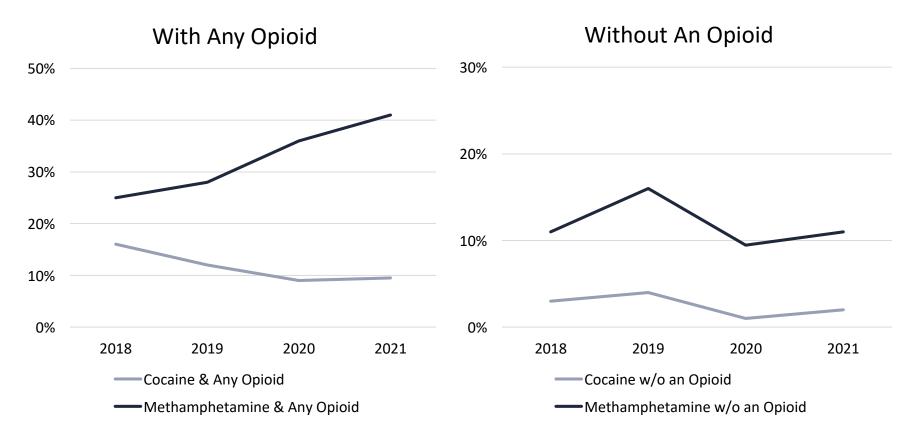


Co-Occurring Drug Use, Cont.



Fatal Drug Overdoses Occurring in West Virginia, 2018-2021 Stimulant & Opioid Co-Use

Fatal drug overdoses involving methamphetamine *and* an opioid increased from **25%** of deaths in 2018 to **41%** of deaths in 2021.



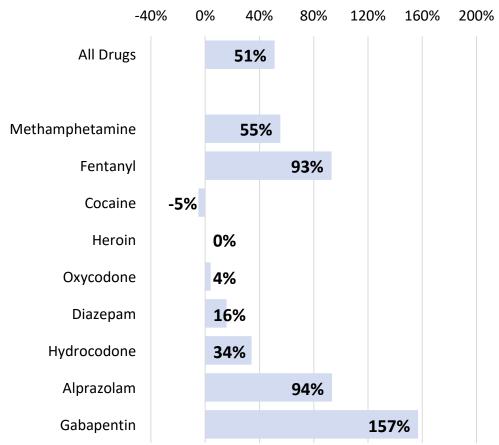
Stimulants and CNS Depressants



In 2020, there was an increase in most drug-related deaths, with a small decrease in cocaine-related deaths. Largest increase observed between 2019 and 2020 was in gabapentin-related, followed by fentanyl-related.

Drug Overdose Deaths Occurring in West Virginia

%-change from 2019-2020



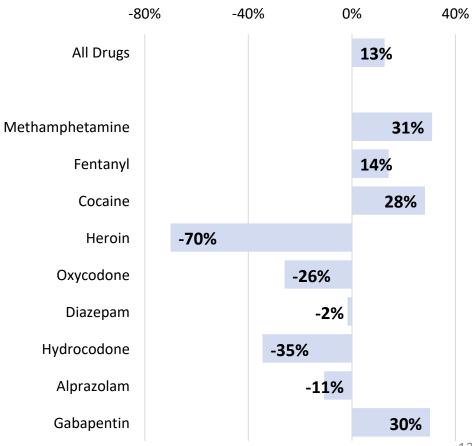
Note: Data from 2021 are preliminary and subject to change. Source: West Virginia Health Statistics Center, Vital Statistics System

Stimulants and CNS Depressants, Cont.



In 2021, there was an increase in methamphetamine-related deaths, gabapentin-related deaths and cocaine-related deaths with a sharp decrease in heroin-related deaths.

Drug Overdose Deaths Occurring in West Virginia %-change from 2020-2021



Note: Data from 2021 are preliminary and subject to change. Source: West Virginia Health Statistics Center, Vital Statistics System

2021 West Virginia Overdose Occurrences



West Virginia overdose occurrences by drug type:

- 82% involved an opioid
- 76% involved fentanyl/fentanyl analogs
- 52% involved methamphetamine
- 11% cocaine
- 11% gabatentin
- 9% alprazolam
- 7% buprenorphine
- 6% morphine
- 6% xylazine

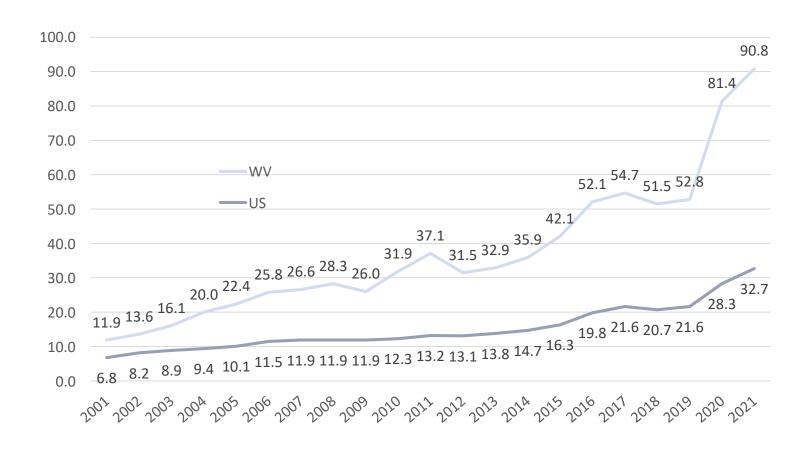
West Virginia Residents

West Virginia vs. United States



US and WV Resident Drug Overdose Mortality, 2000-2021*

Age-Adjusted Rate per 100,000 Population



^{*}Data from 2020 and 2021 are preliminary and subject to change.

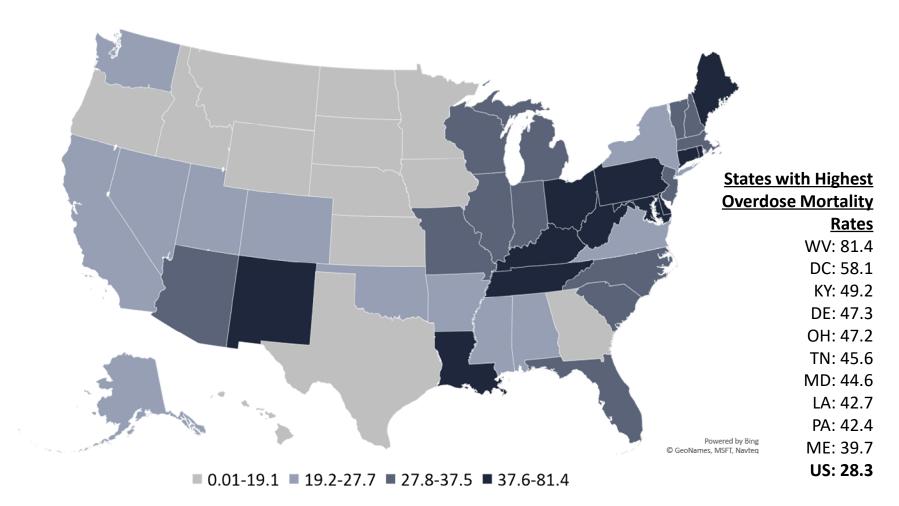
Data Source: West Virginia Health Statistics Center, Vital Statistics System, and CDC Wonder

State-Level Drug Overdose Mortality, 2020



US Resident Drug Overdose Mortality, 2020

Age-Adjusted Rate per 100,000 Population



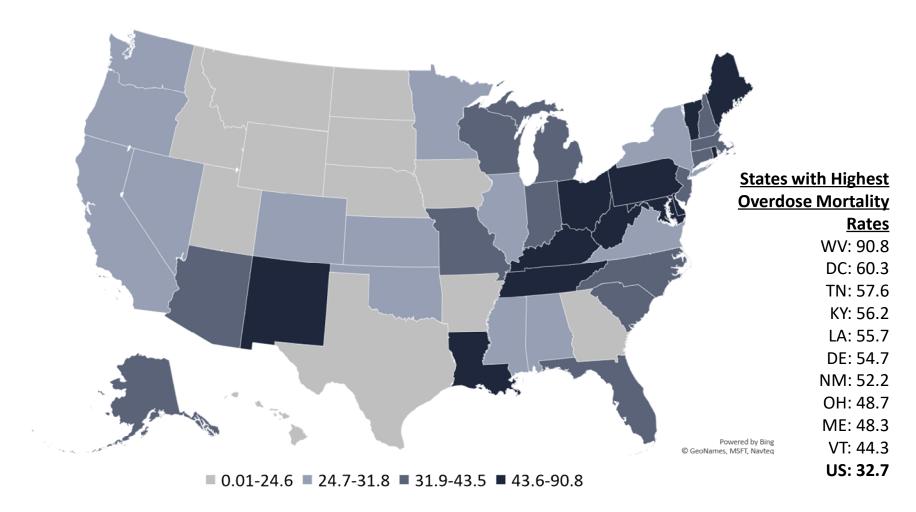
Note: The WV age-adjusted mortality rate calculated by Health Statistics Center to reflect updated count of resident deaths. Source: CDC Wonder and West Virginia Health Statistics Center, Vital Statistics System

State-Level Drug Overdose Mortality, 2021



US Resident Drug Overdose Mortality, 2021, Preliminary

Age-Adjusted Rate per 100,000 Population

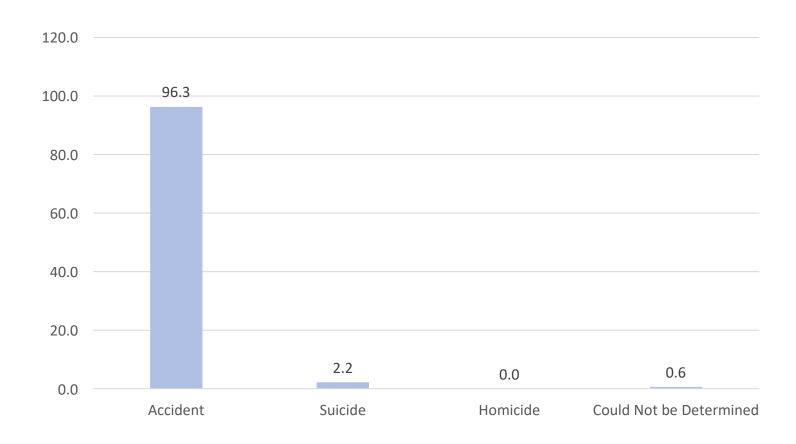


Note: The WV age-adjusted mortality rate calculated by Health Statistics Center to reflect updated count of resident deaths. Source: CDC Wonder and West Virginia Health Statistics Center, Vital Statistics System

Manner of Death



West Virginia Resident Drug Overdose Deaths, 2021 Percentage by Manner

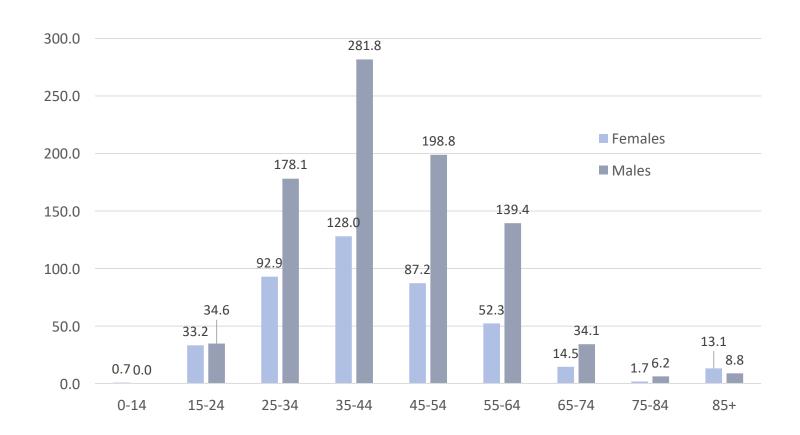


Sex and Age Group Comparison



West Virginia Resident Drug Overdose Deaths, 2021

Crude Mortality Rate by Sex and Age Group

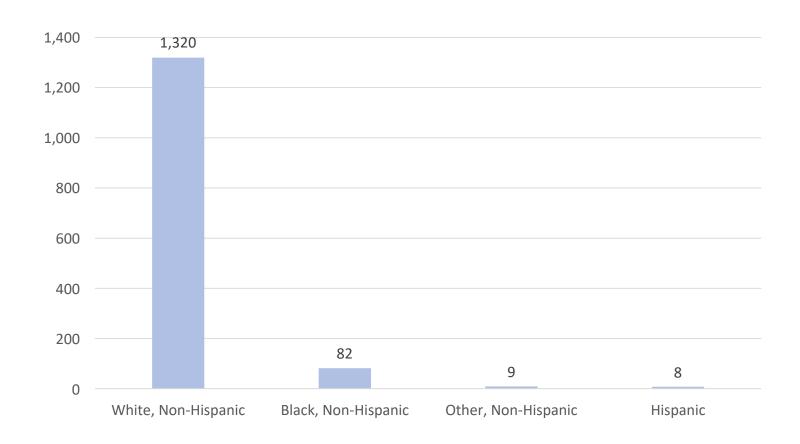


Race/Ethnicity Comparison



West Virginia Resident Drug Overdose Deaths, 2021

Number of Deaths by Race/Ethnicity



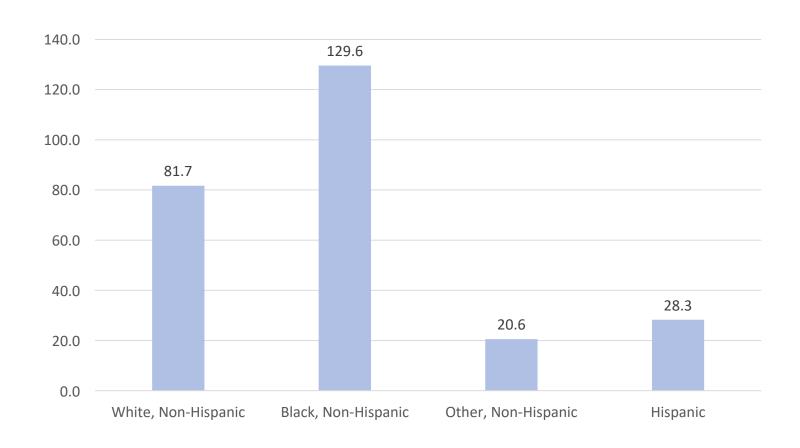
Data Source: West Virginia Health Statistics Center, Vital Statistics System

Race/Ethnicity Comparison, Cont.



West Virginia Resident Drug Overdose Deaths, 2021

Crude Mortality Rate by Race/Ethnicity



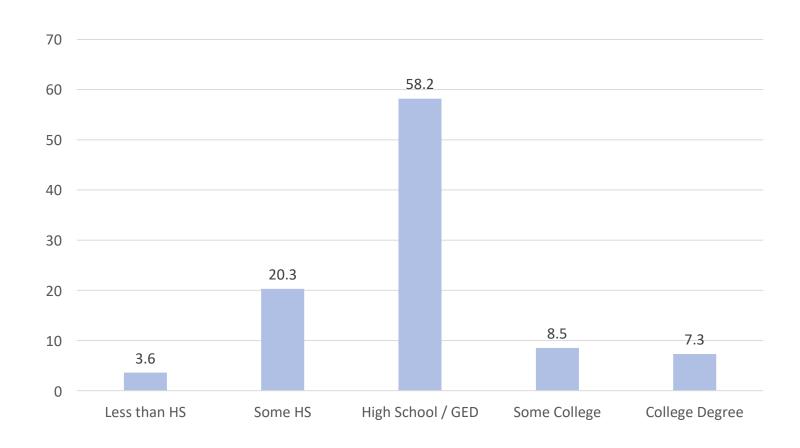
Data Source: West Virginia Health Statistics Center, Vital Statistics System

Educational Attainment Comparison



West Virginia Resident Drug Overdose Deaths, 2021

Percentage by Educational Attainment

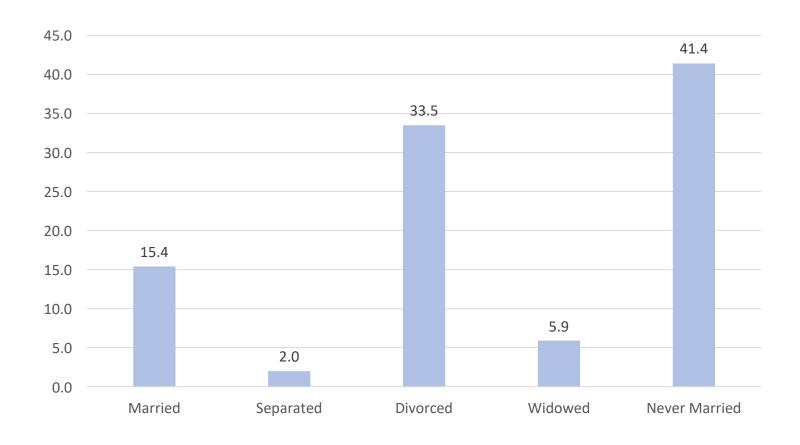


Marital Status Comparison



West Virginia Resident Drug Overdose Deaths, 2021



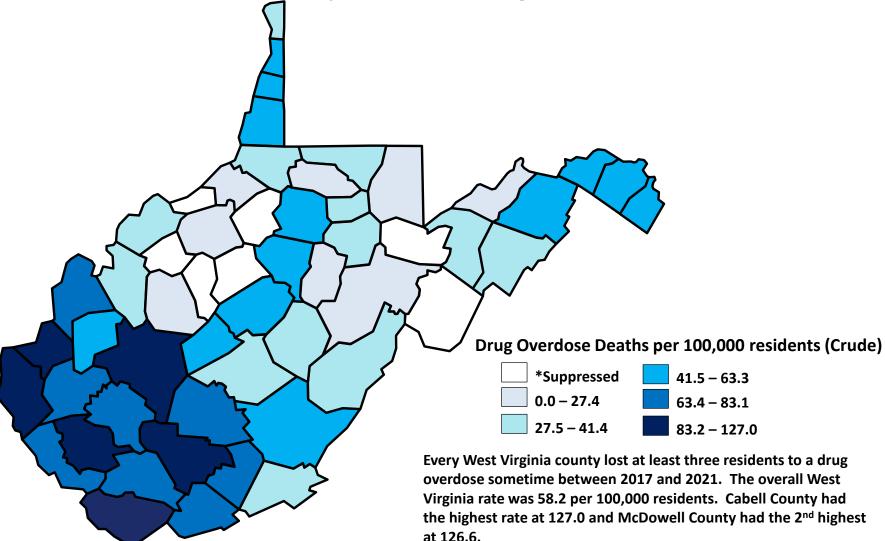


Data Source: West Virginia Health Statistics Center, Vital Statistics System

Geographic Differences, All Drugs



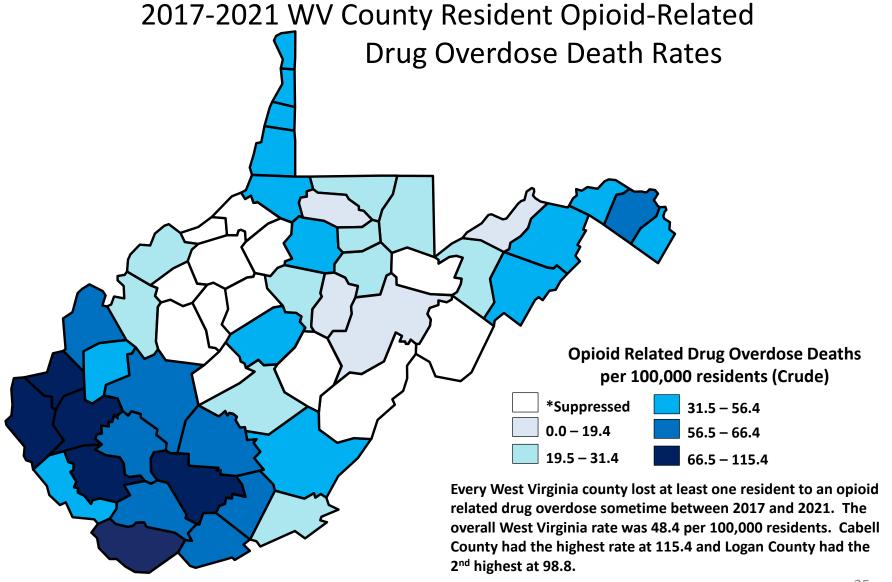
2017-2021 WV County Resident Drug Overdose Death Rates



2021 data are preliminary.

Geographic Differences, Opioid-Related





2021 data are preliminary.

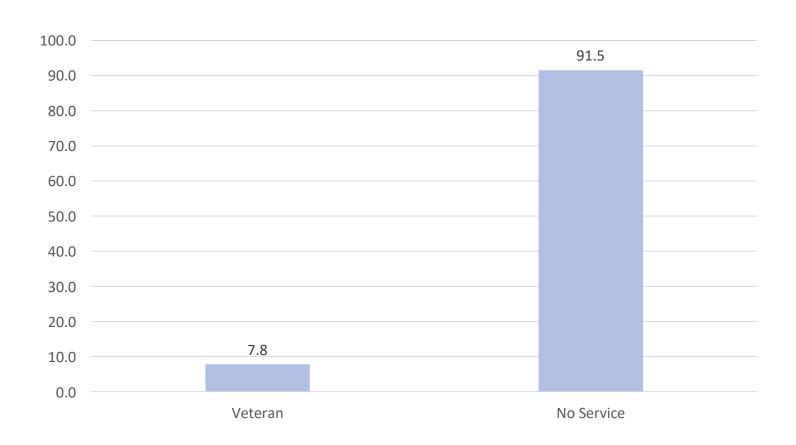
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Veteran Status Comparison



West Virginia Drug Overdose Deaths, 2021

Resident Number of Deaths by Veteran Status



What's Next?

Future Considerations



- Drug combinations
 - Average number
 - By sex, age
- New drug types
- West Virginia county rates
- Occupation/Industry
- Expand Veteran analysis
- Other significant conditions
- Deep dive into analysis of injury description

Contact



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