

Overview of 2019 State Unintentional Drug Overdose Reporting System (SUDORS) Deaths in WV

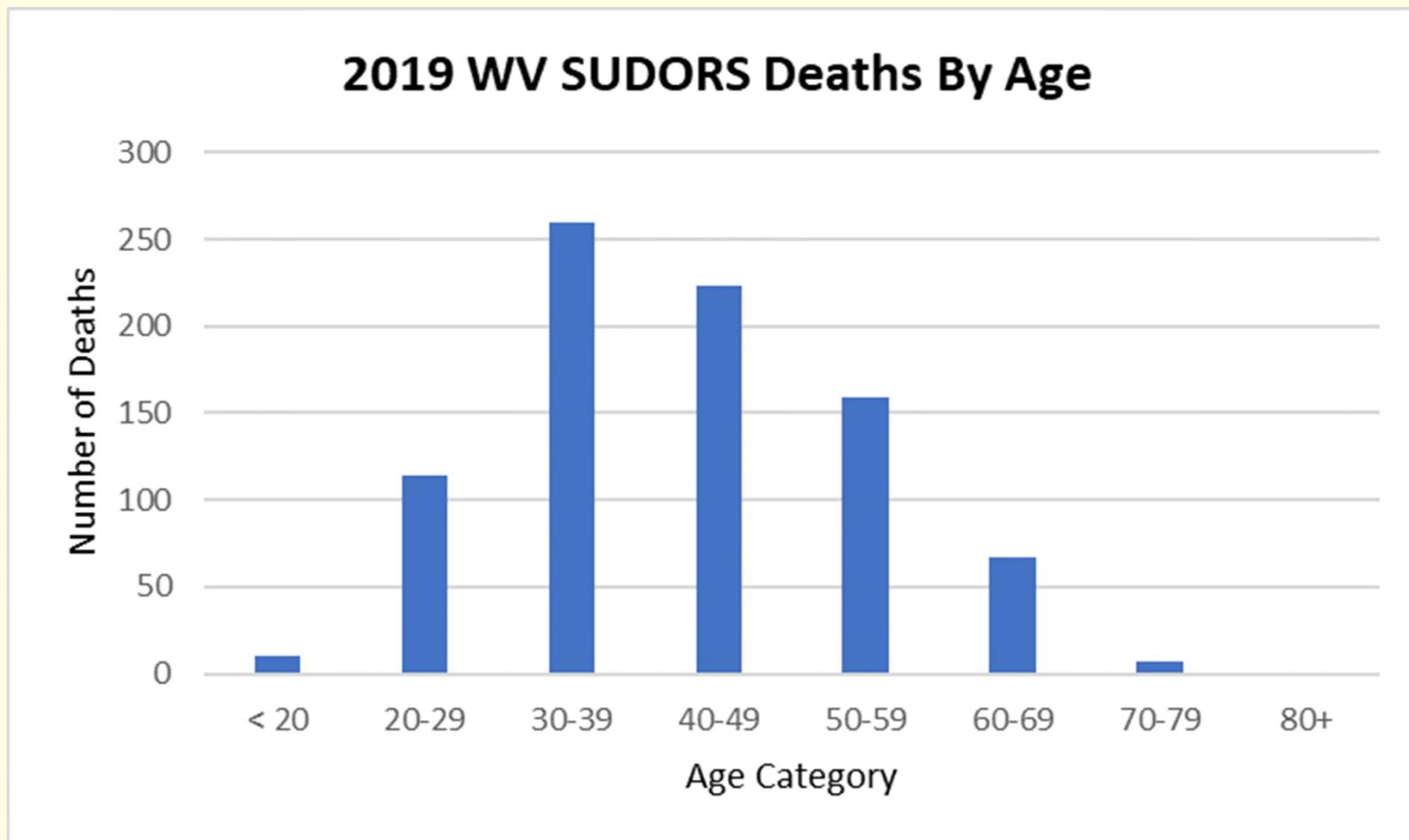
Johanna Bossé, Epidemiologist
WV Violence and Injury Prevention Program
SEOW Meeting
July 22, 2021



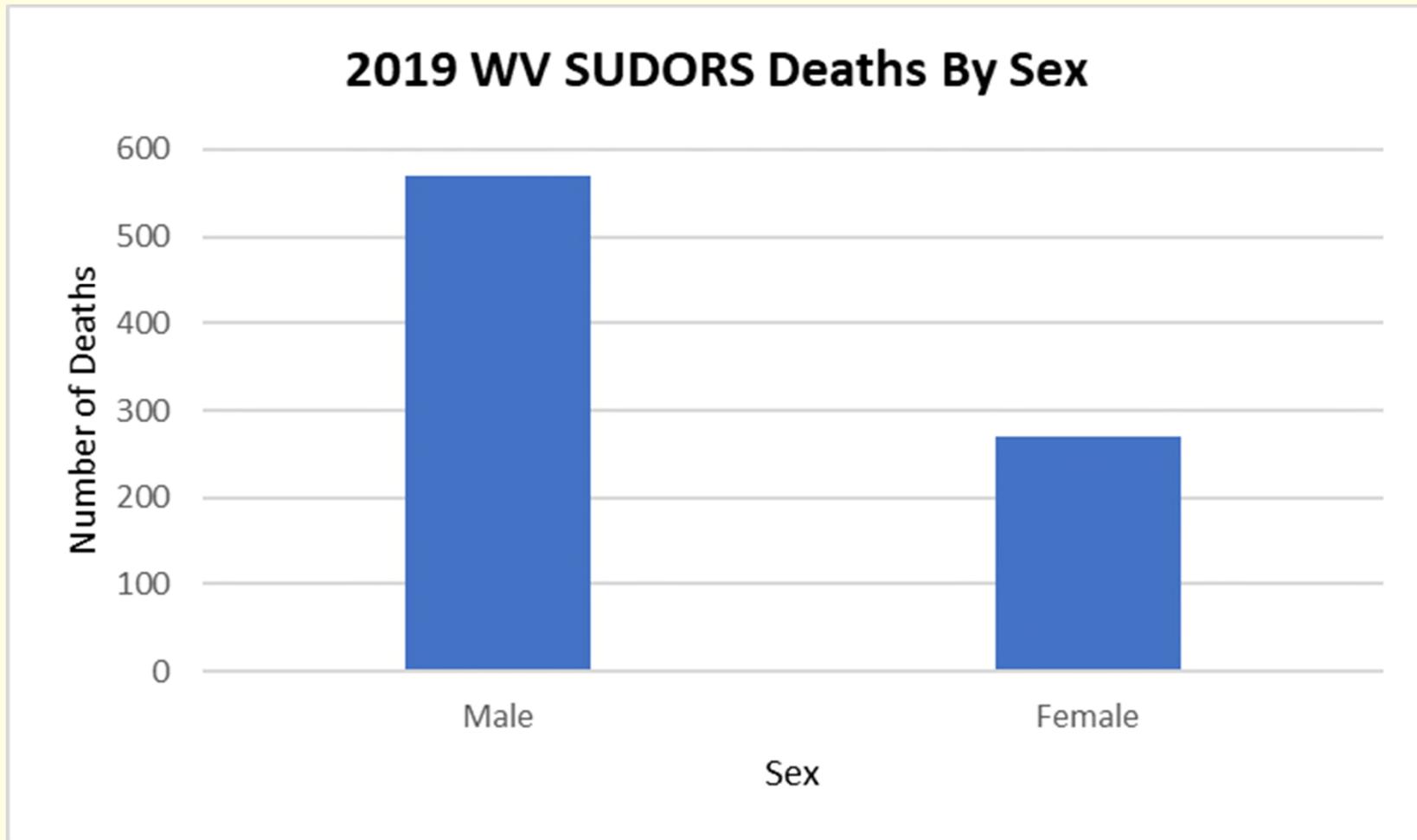
What is SUDORS?

Funded by the Overdose Data to Action (OD2A) Grant awarded by CDC

- Goal: to increase the timeliness and comprehensiveness of reporting fatal opioid overdoses
- Captures detailed information on toxicology, death scene investigations, route of administration, and risk factors that may be associated with a fatal overdose
- The required source documents for entering a case into SUDORS are death certificate, Medical Examiner Report, and Toxicology Report

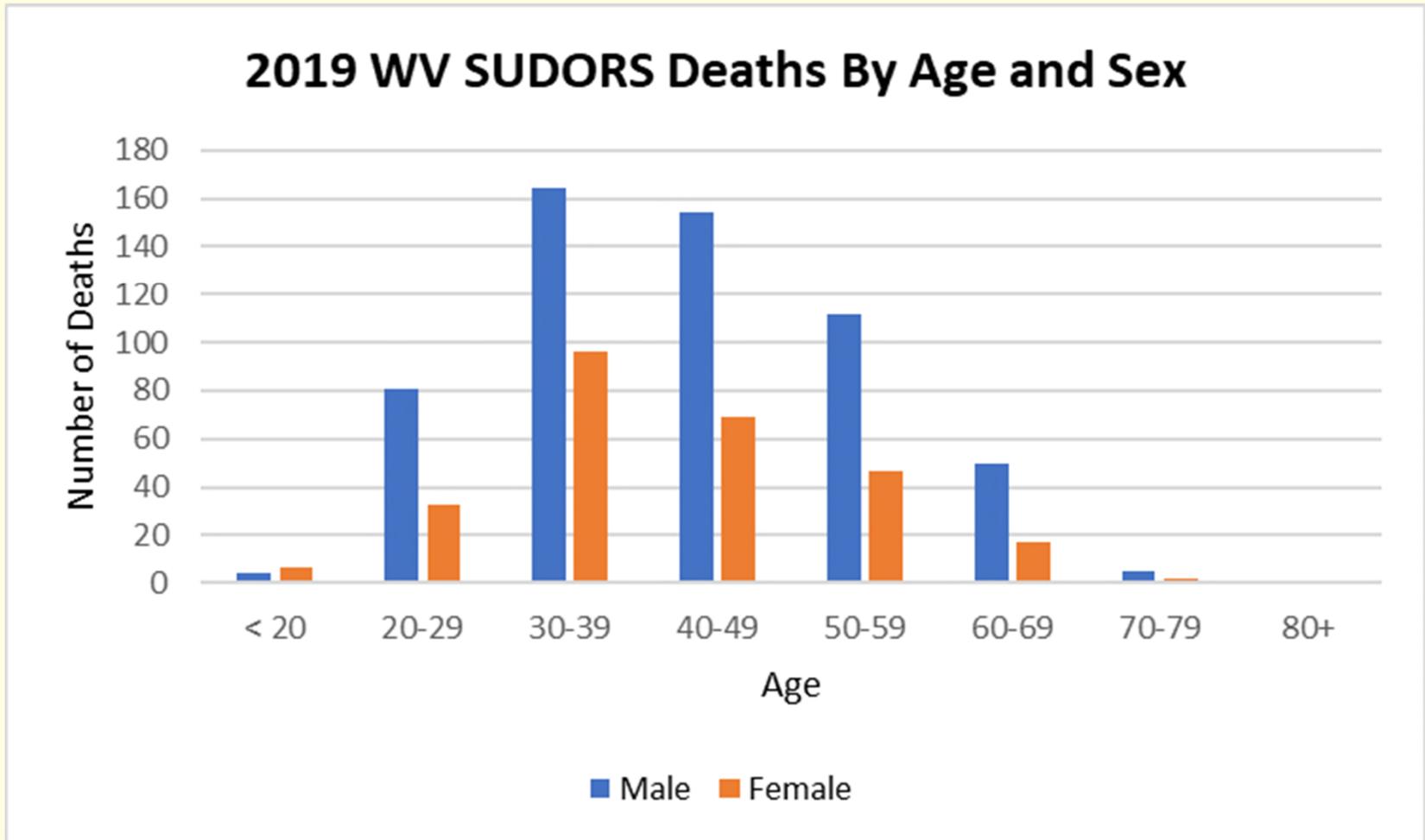


The OD deaths were highest in the 30-39 age category followed by the 40-49 age category.



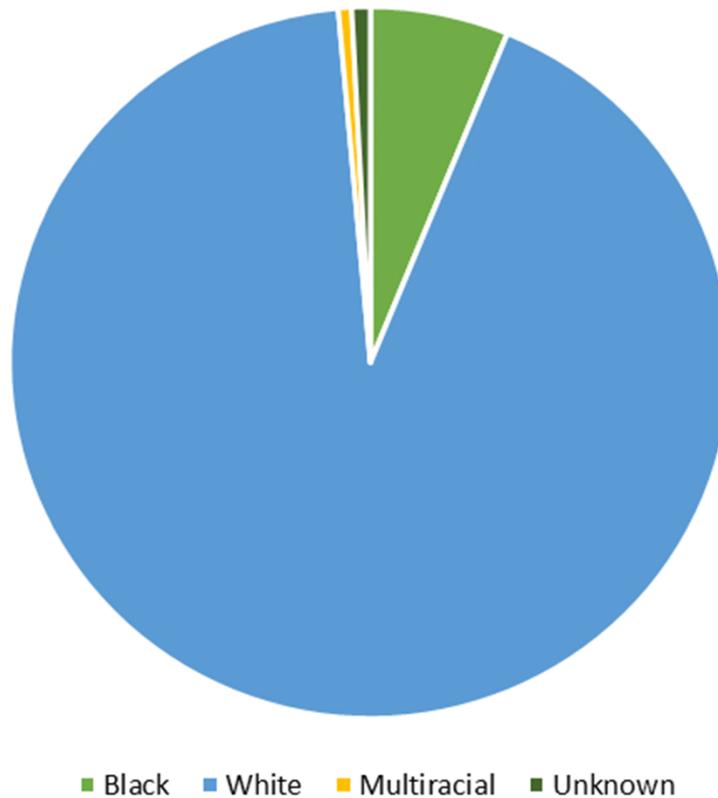
A majority of OD deaths in 2019 were seen in males.

Sex By Age Category



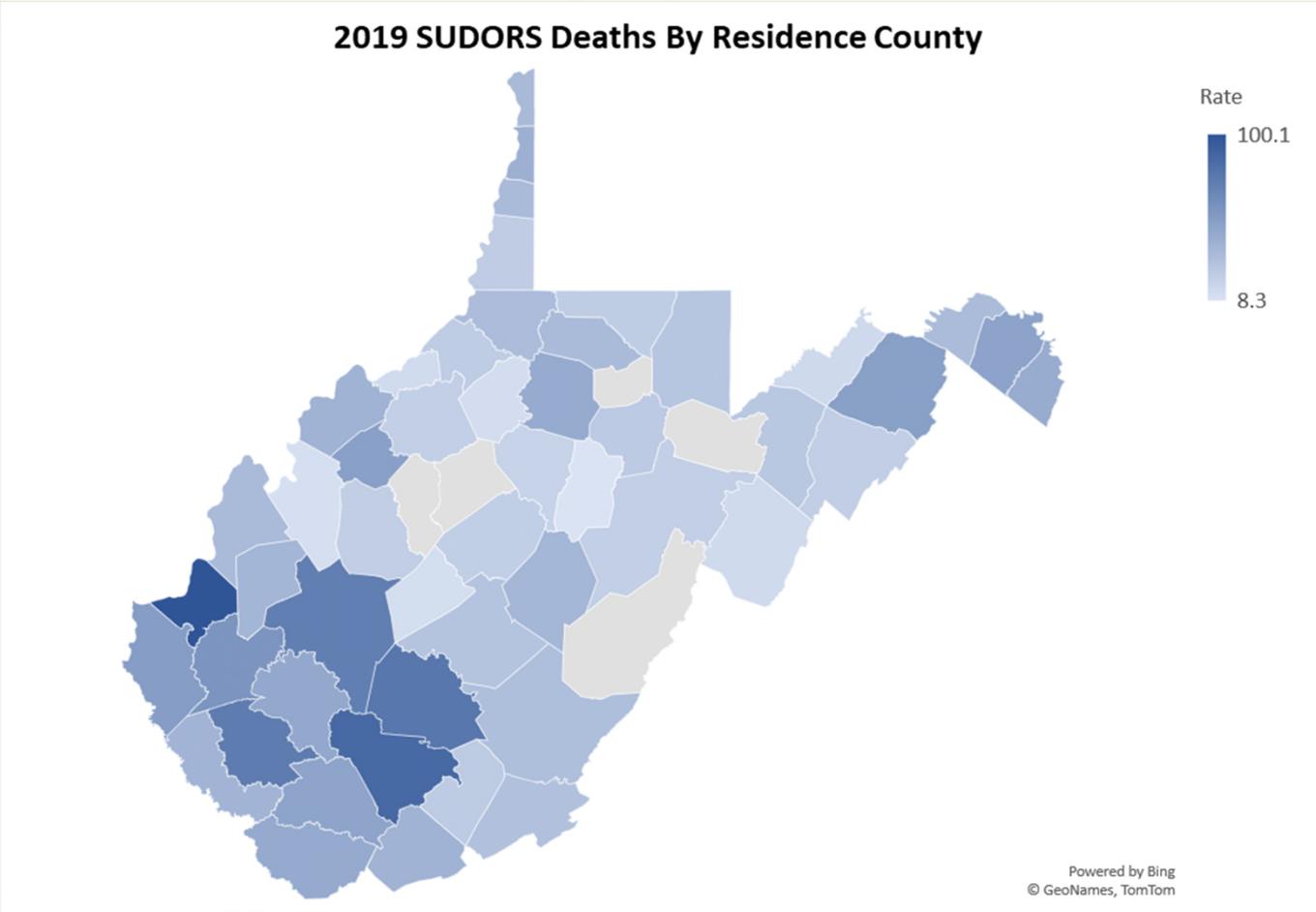
The < 20 age category was the only one with females outnumbering males. For all other age categories, males are at least double the number of deaths when compared to females.

2019 WV SUDORS Deaths By Race



About 92% of OD decedents were white.

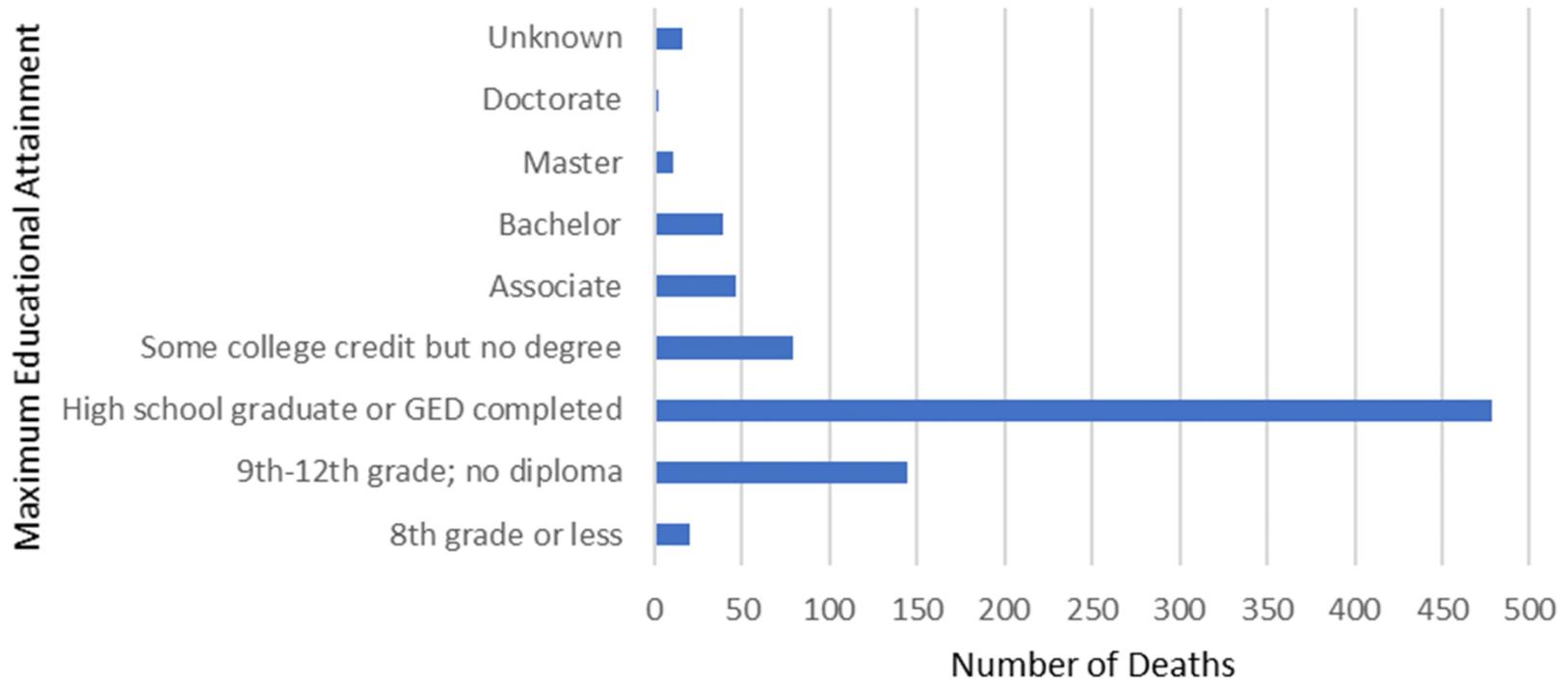
Residence County



Cabell County had the highest rate of resident overdose deaths in 2019. Mortality rates are shown here which accounts for differences in population.

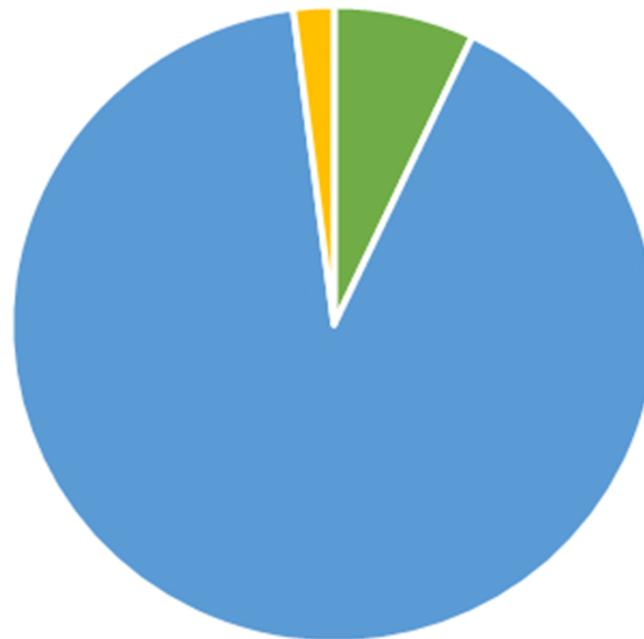
Education

2019 WV SUDORS Deaths By Level of Education



In 2019, 78% of OD deaths were in individuals with a high school diploma/GED or above.

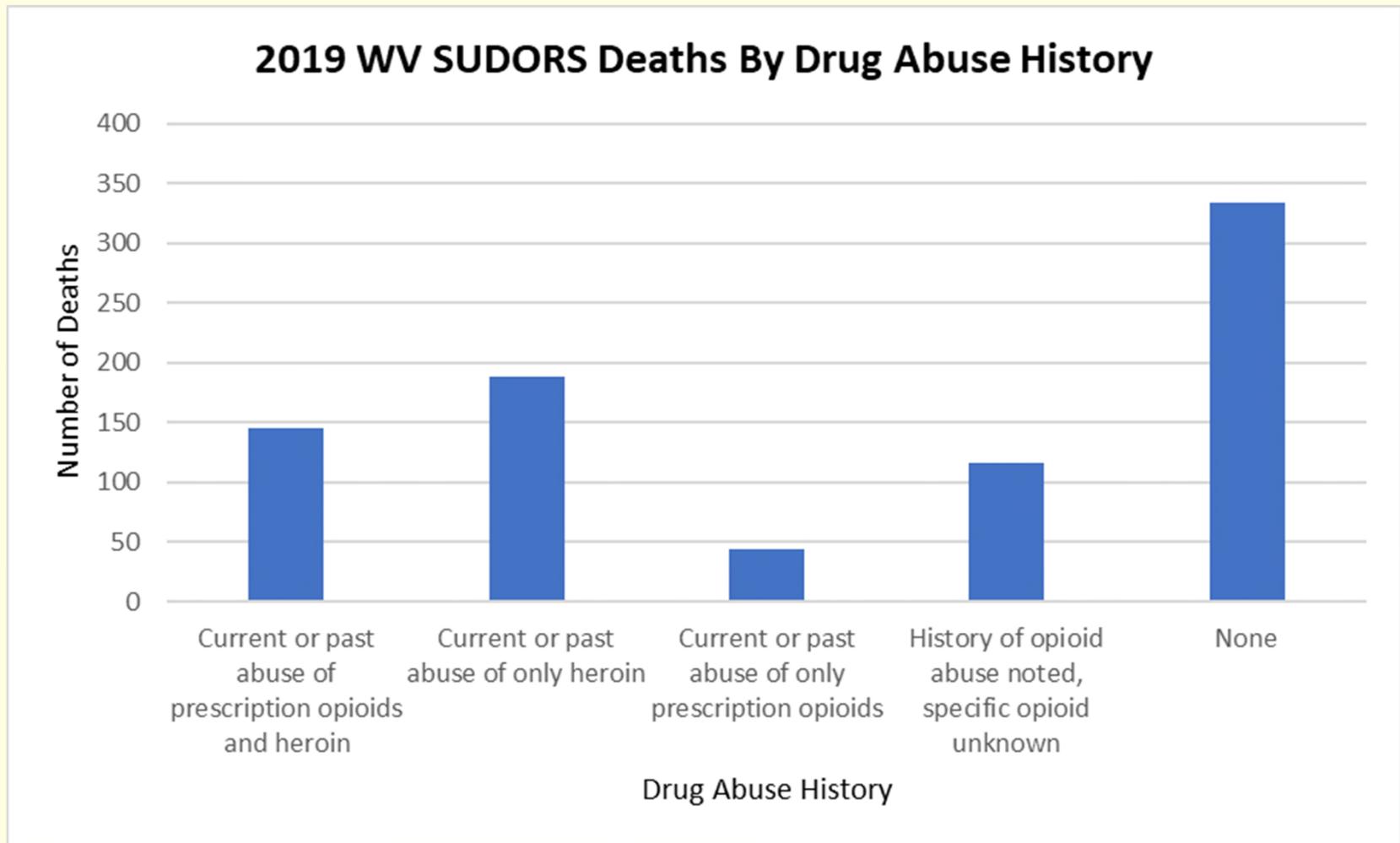
2019 WV SUDORS Deaths By Veteran Status



■ Yes ■ No ■ Unknown

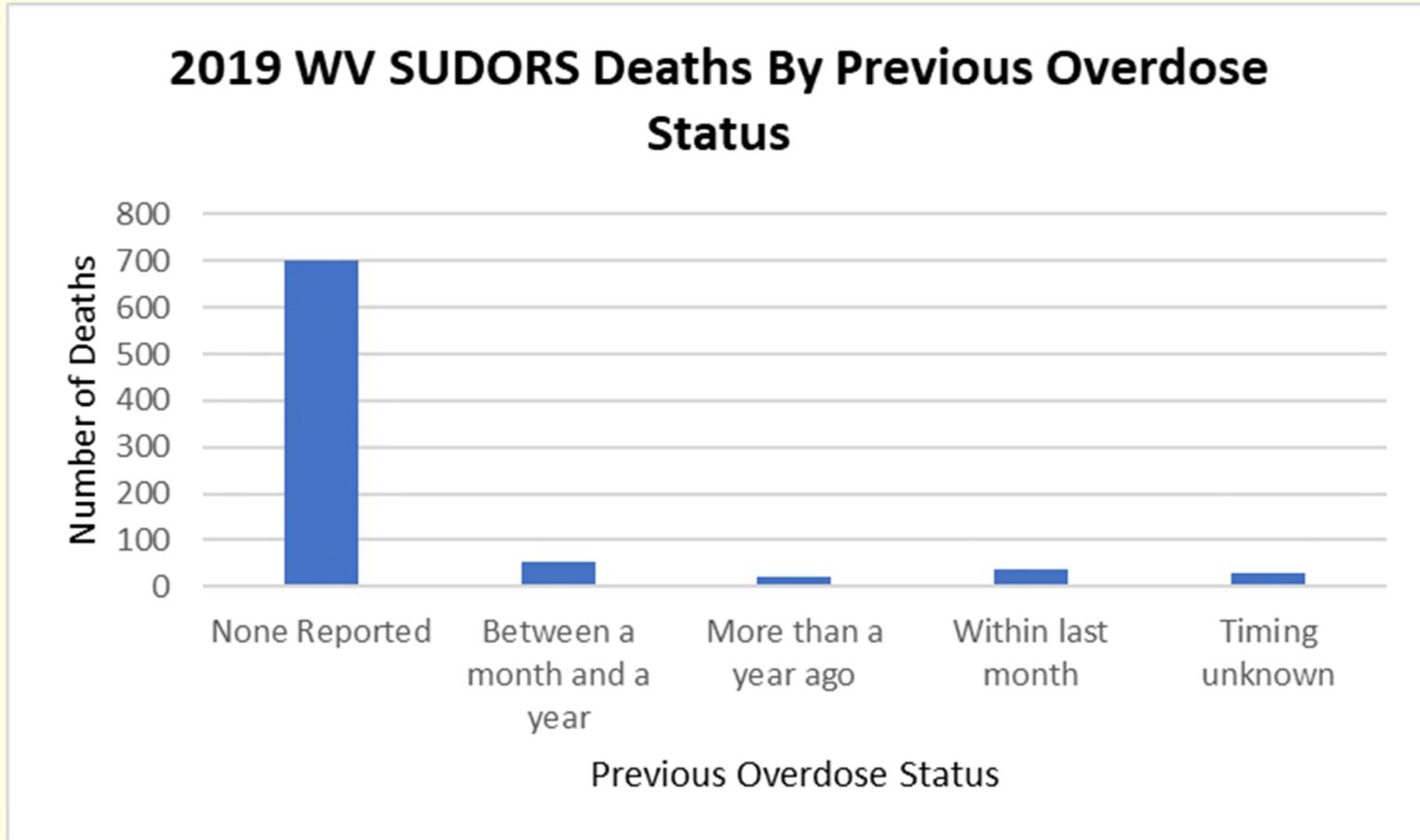
Only 7% of OD deaths in 2019 occurred in veterans.

Drug Abuse History



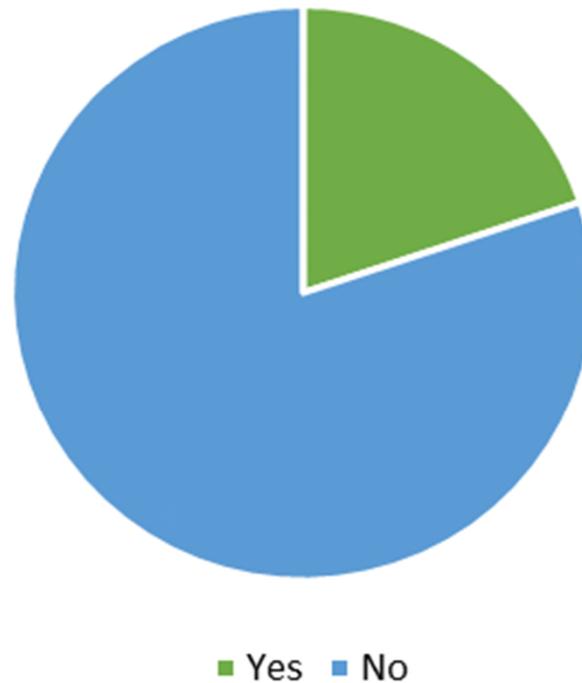
Almost 40% of OD deaths for 2019 had no indication of a drug abuse history.

Previous Overdose



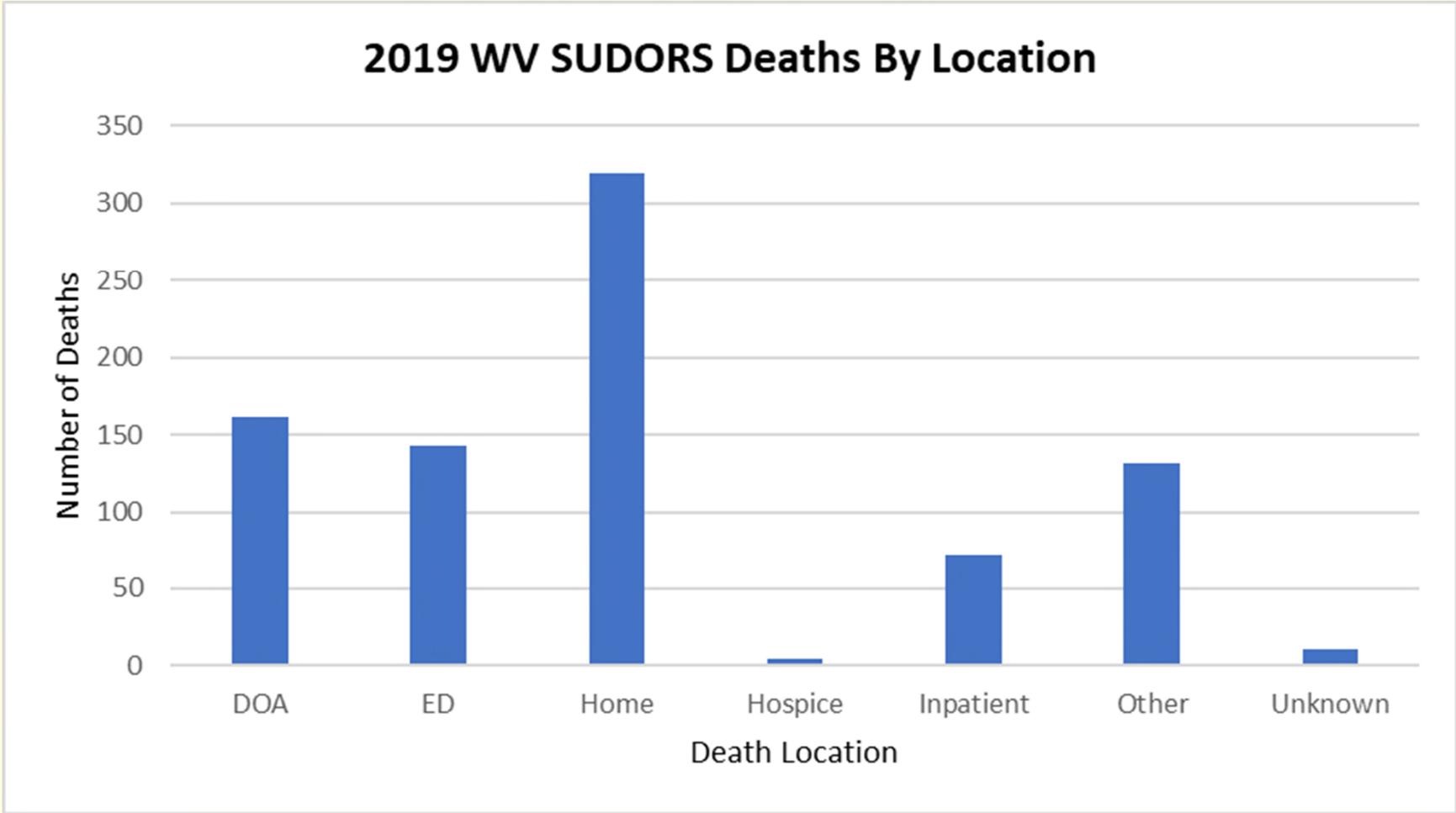
A little over 80% of OD deaths had no previous overdose reported.

2019 WV SUDORS Deaths By Naloxone Administration



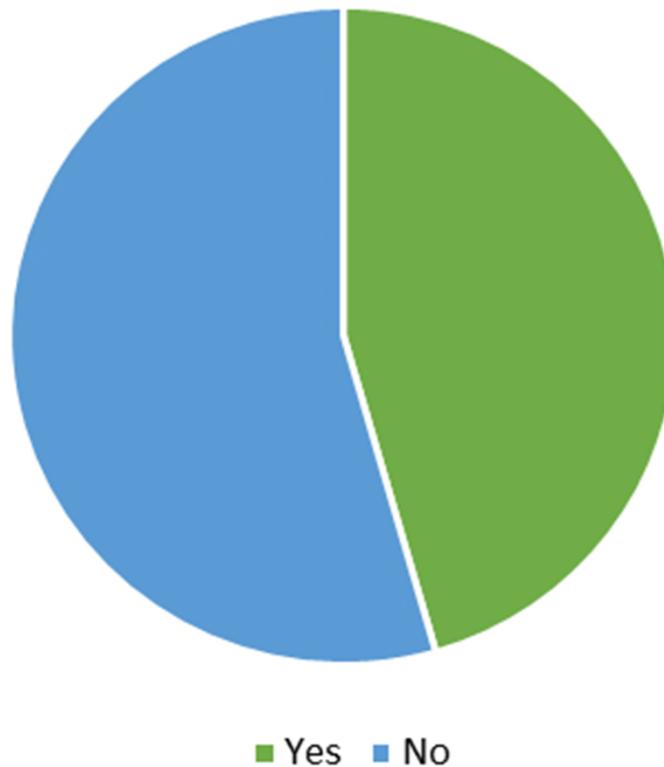
About 20% of OD deaths were administered Naloxone.

Location of Death



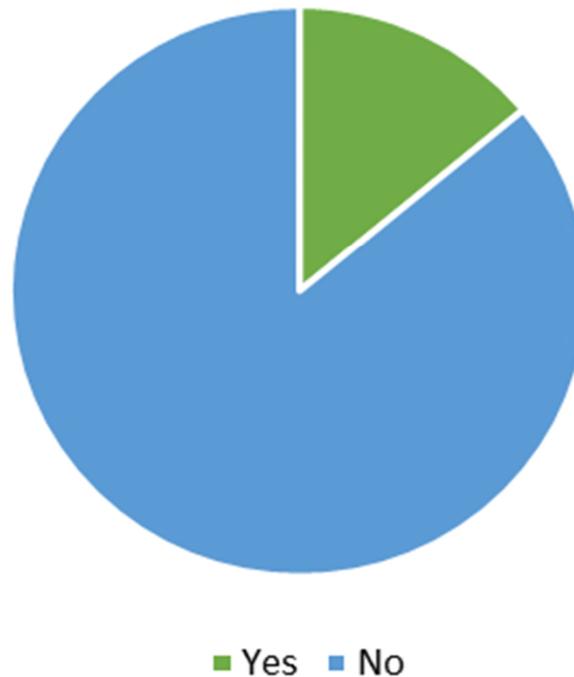
Almost 40% of OD deaths occurred in the decedent's home.

2019 WV SUDORS Deaths Bystander Present



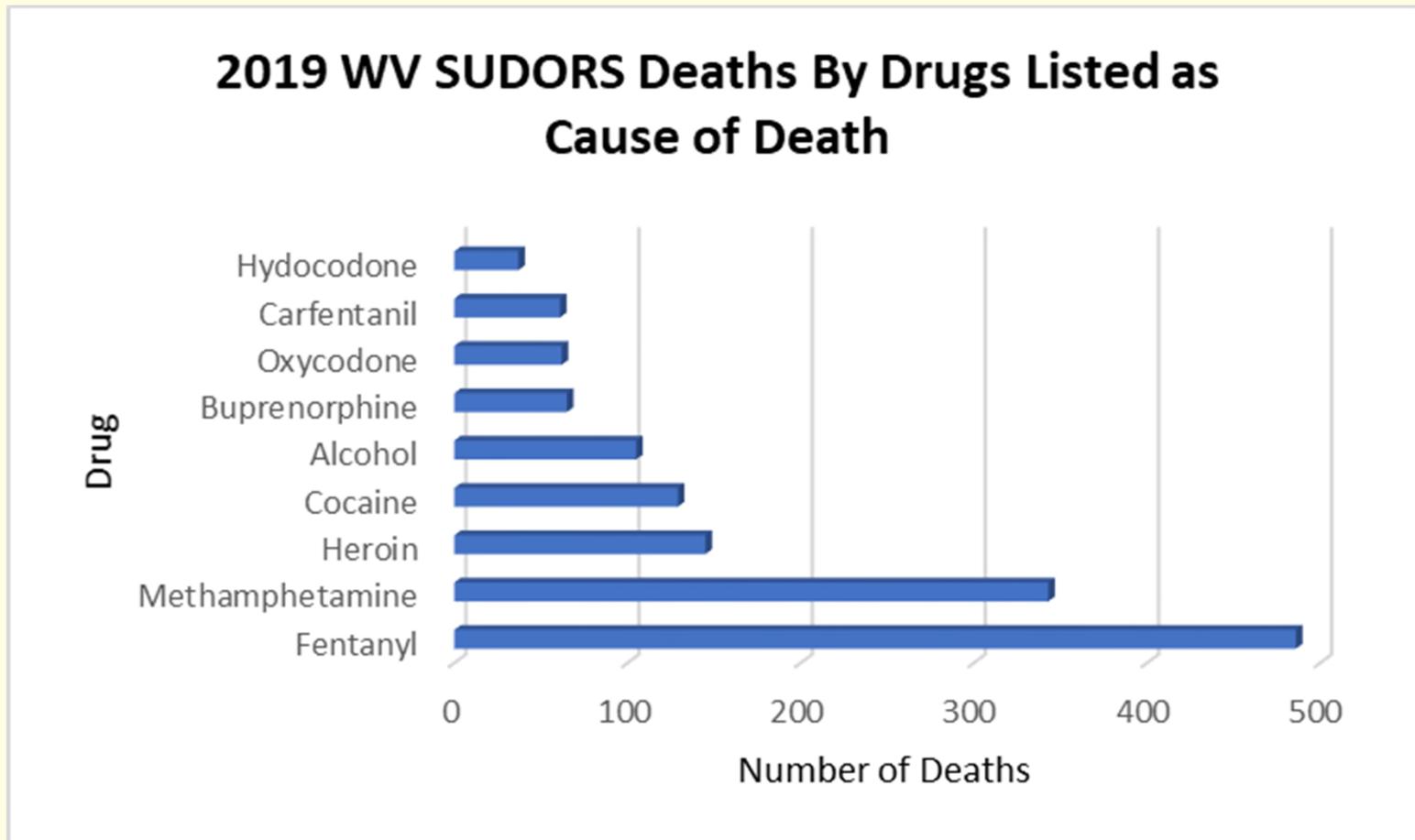
Over 54% of OD deaths did not have a bystander present at the time of the fatal event.

2019 WV SUDORS Deaths By Institutional Release Status



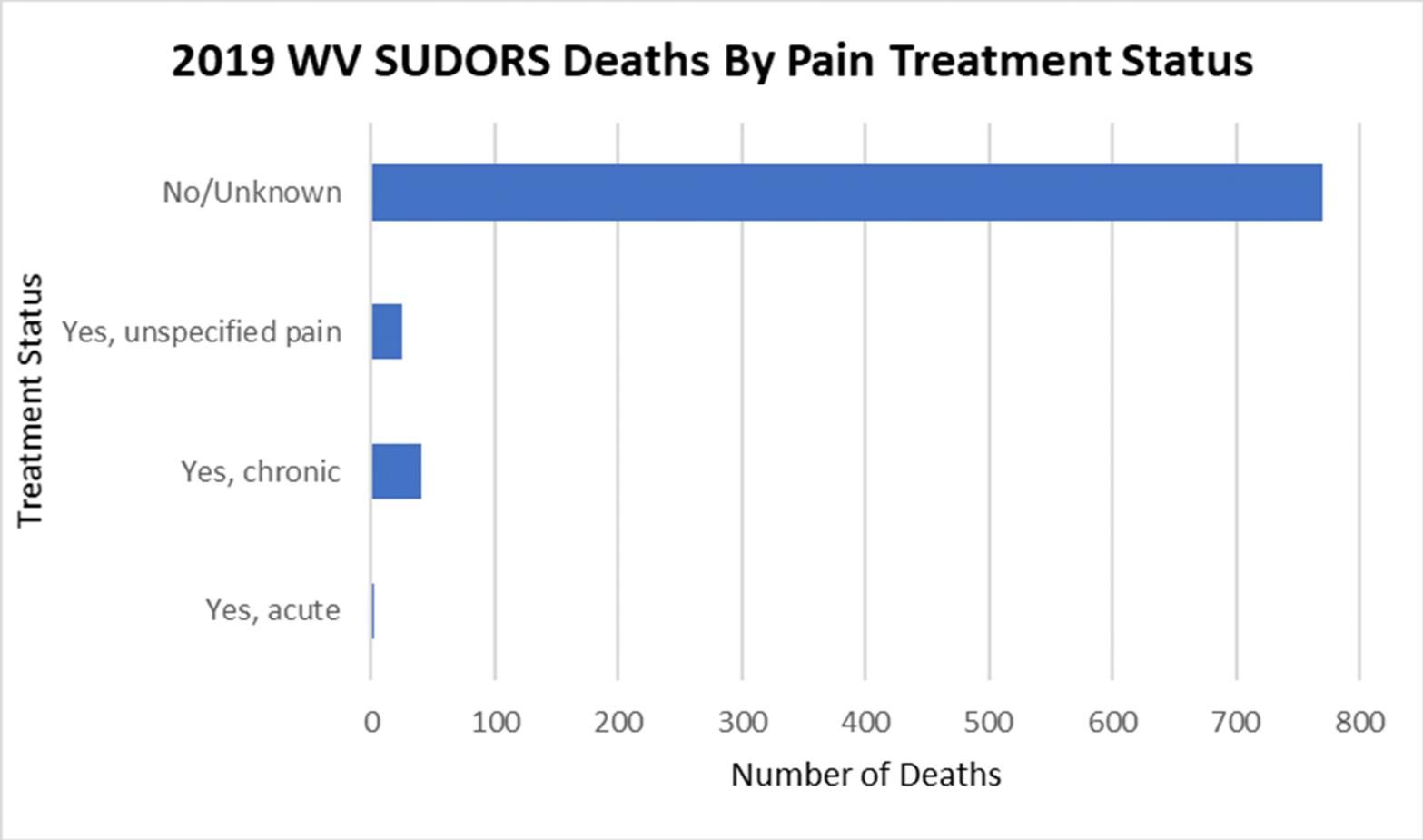
About 14% of decedent's had been released from an institution within the two weeks preceding their death.

Cause of Death



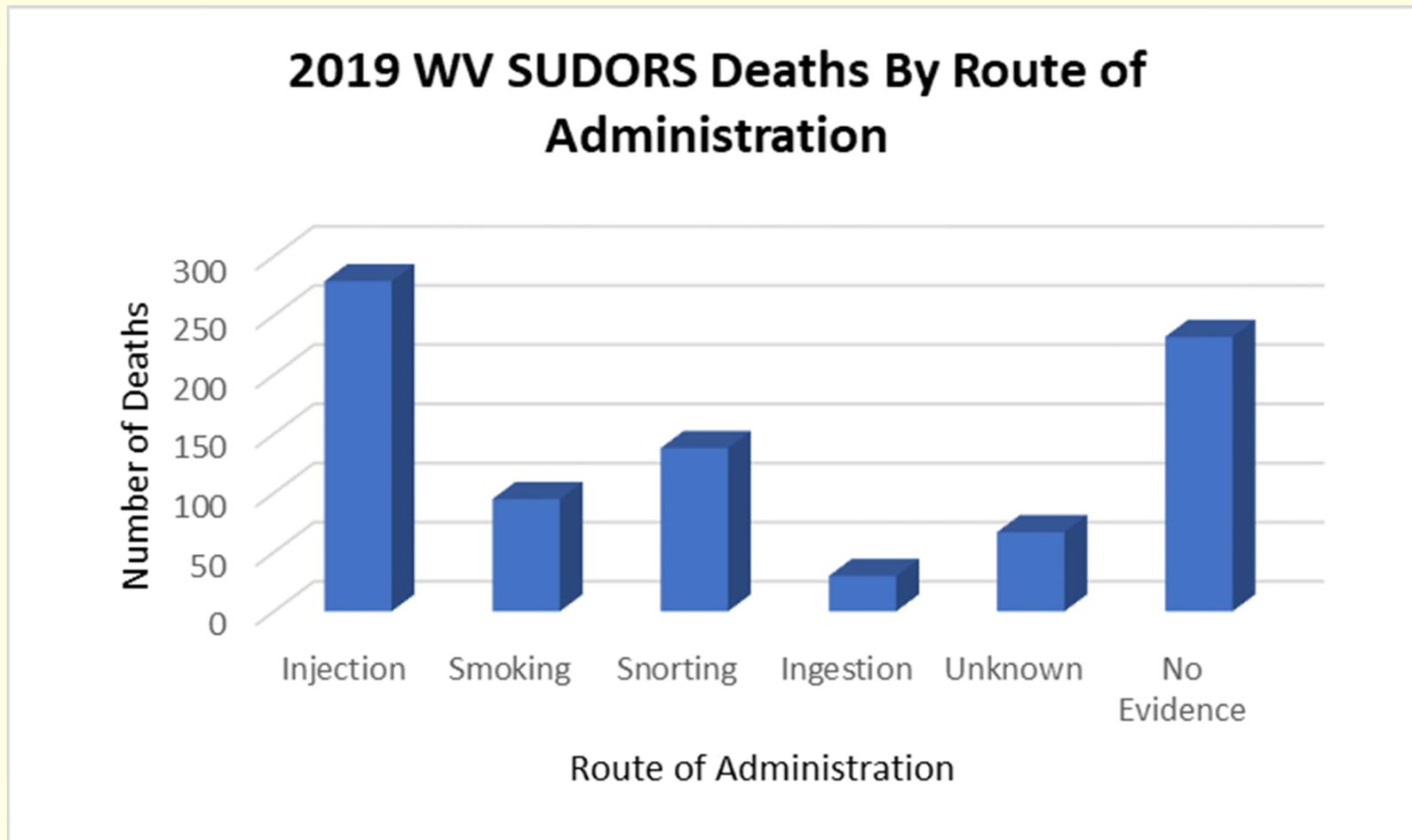
Over 57% of deaths included fentanyl listed as the cause of death. It is important to note that these categories are not mutually exclusive as most deaths resulted from polysubstance abuse.

Pain Treatment



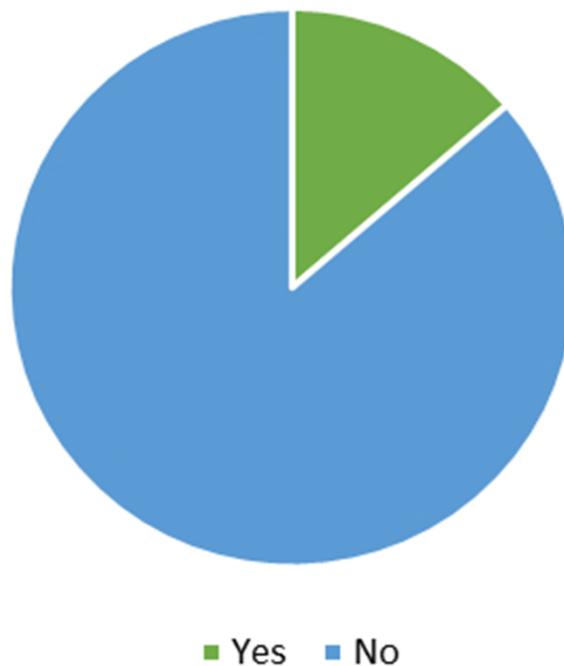
Almost 92% of decedents did not have a known history of being treated for pain prior to their fatal overdose.

Route of Administration



Injection was the most common route of administration and accounted for 33% of overdose deaths.

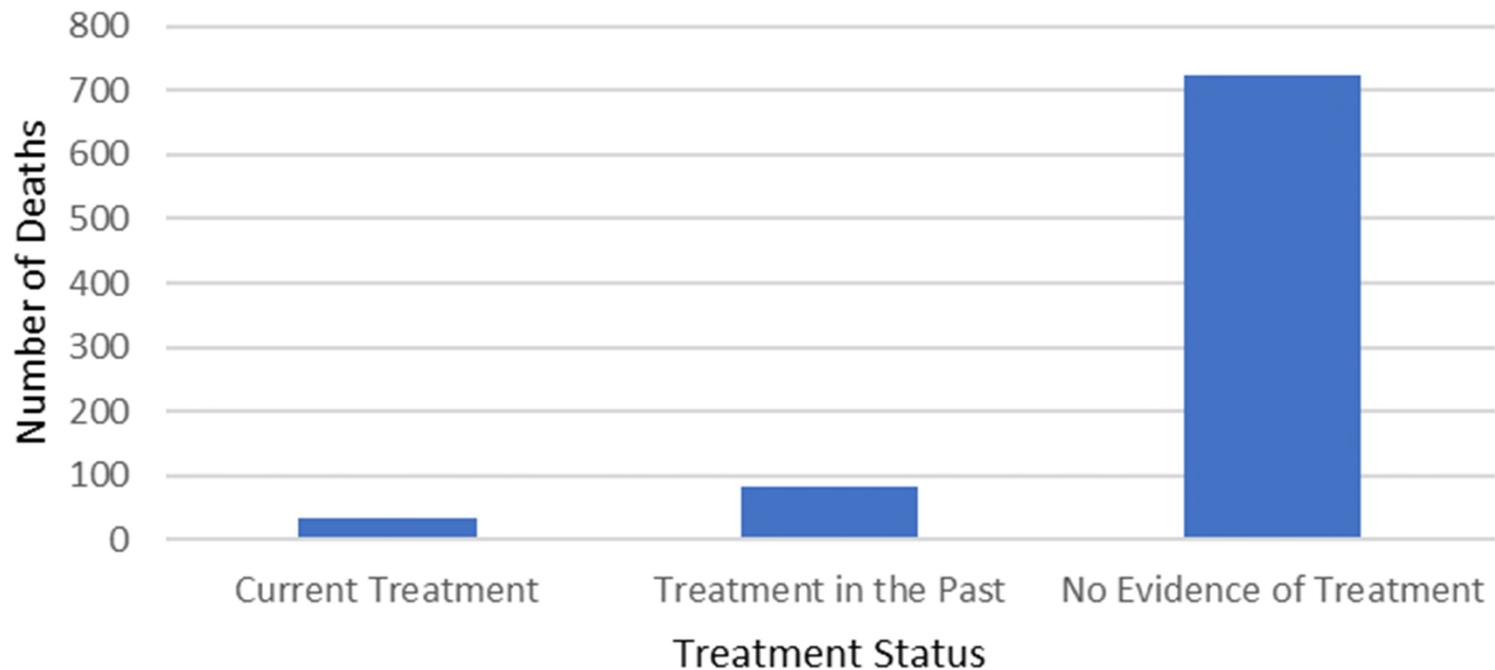
2019 WV SUDORS Deaths By Evidence of Rapid Overdose



Almost 14% of overdose deaths had evidence that the fatal event was the result of a rapid overdose.

Substance Abuse Treatment

2019 WV SUDORS Deaths By Substance Abuse Treatment Status



Only 14% of decedents had an indication of ever being involved in substance abuse treatment.

Thank you!

Any Questions?

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