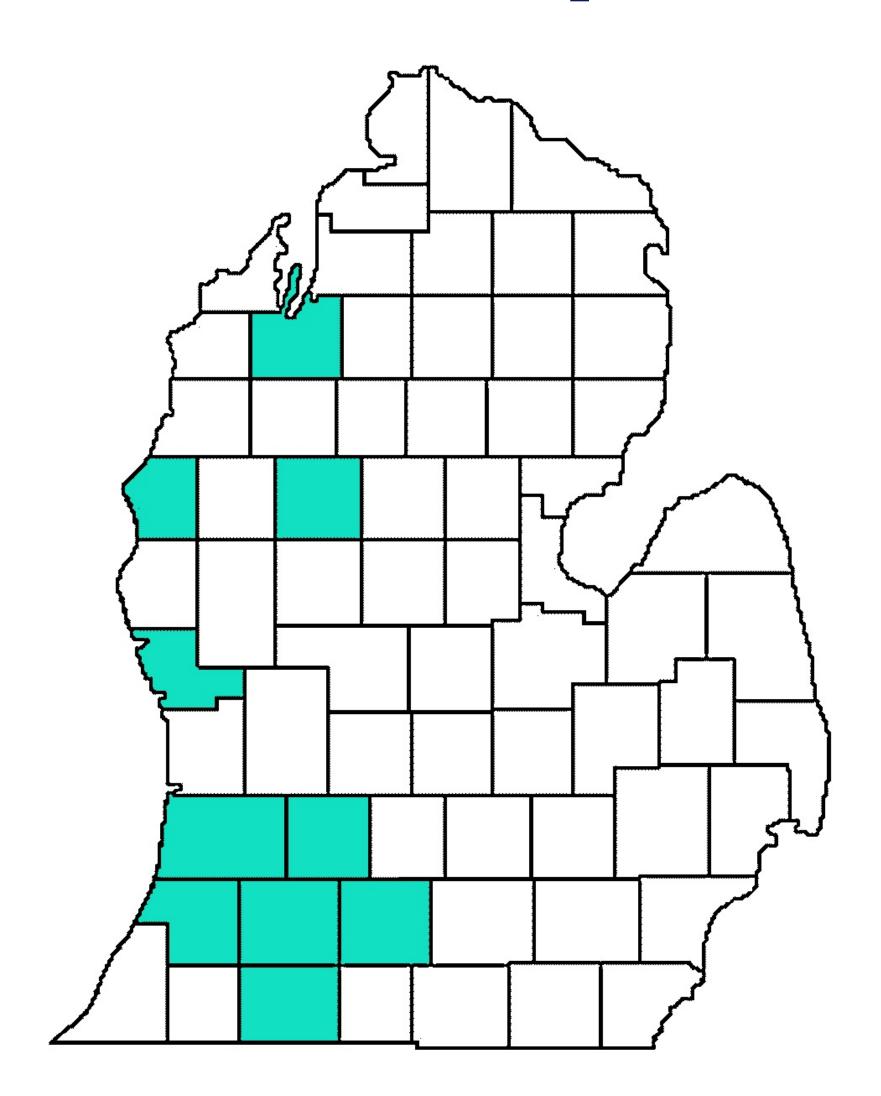
**Medical Examiner Office** 

# Counties covered in this report:

Allegan
Barry
Calhoun
Grand Traverse
Kalamazoo
Mason
Muskegon
Osceola
St. Joseph
Van Buren



#### Purpose:

This data was collected from 10 counties served by the Office of the Medical Examiner in the Department of Pathology at WMed in 2018 and 2019 (Leelanau did not have any overdose deaths in 2018 or 2019 so they are excluded from this report). Data includes deaths where drugs were the immediate cause of death. This report is meant to provide historical data to those involved in efforts to reduce the number of drug-related deaths.

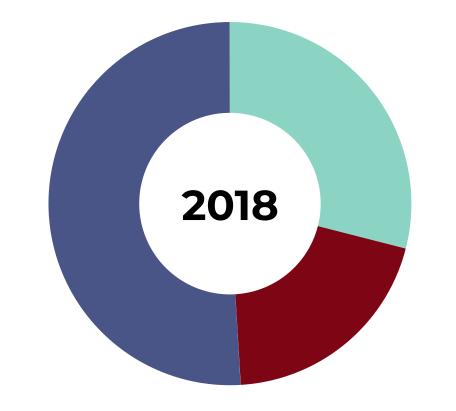
**Sources:** All data was extracted from a Medical Examiner database, law enforcement (LE) and EMS reports, death certificates, toxicology reports, and autopsy reports.

Please contact Chloe Bielby for additional information at <a href="mailto:chloe.bielby@med.wmich.edu">chloe.bielby@med.wmich.edu</a>

Allegan, Barry, Calhoun, Grand Traverse, Kalamazoo, Leelanau, Mason, Muskegon, Osceola, St. Joseph, Van Buren

#### Total Drug-Related Deaths

2018 214 deaths

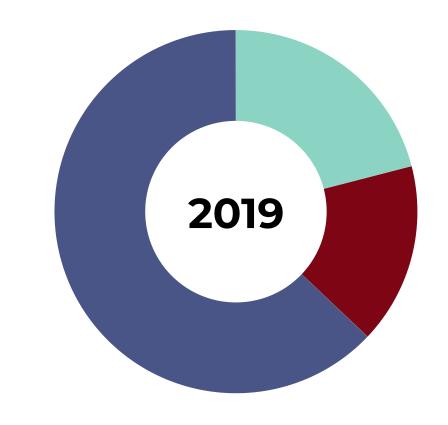


109 opioid and non-opioid





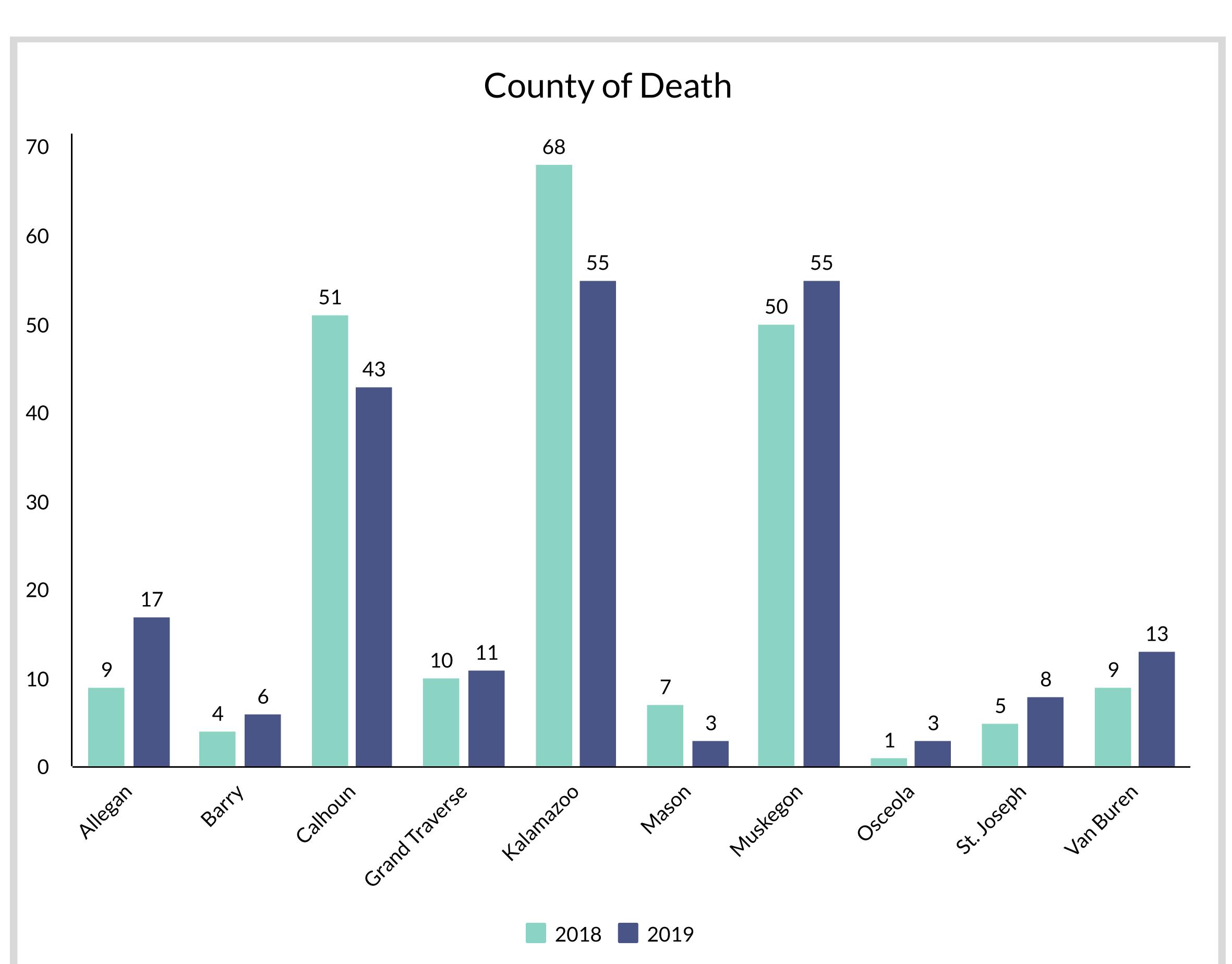
2019 214 deaths



126 opioid and non-opioid

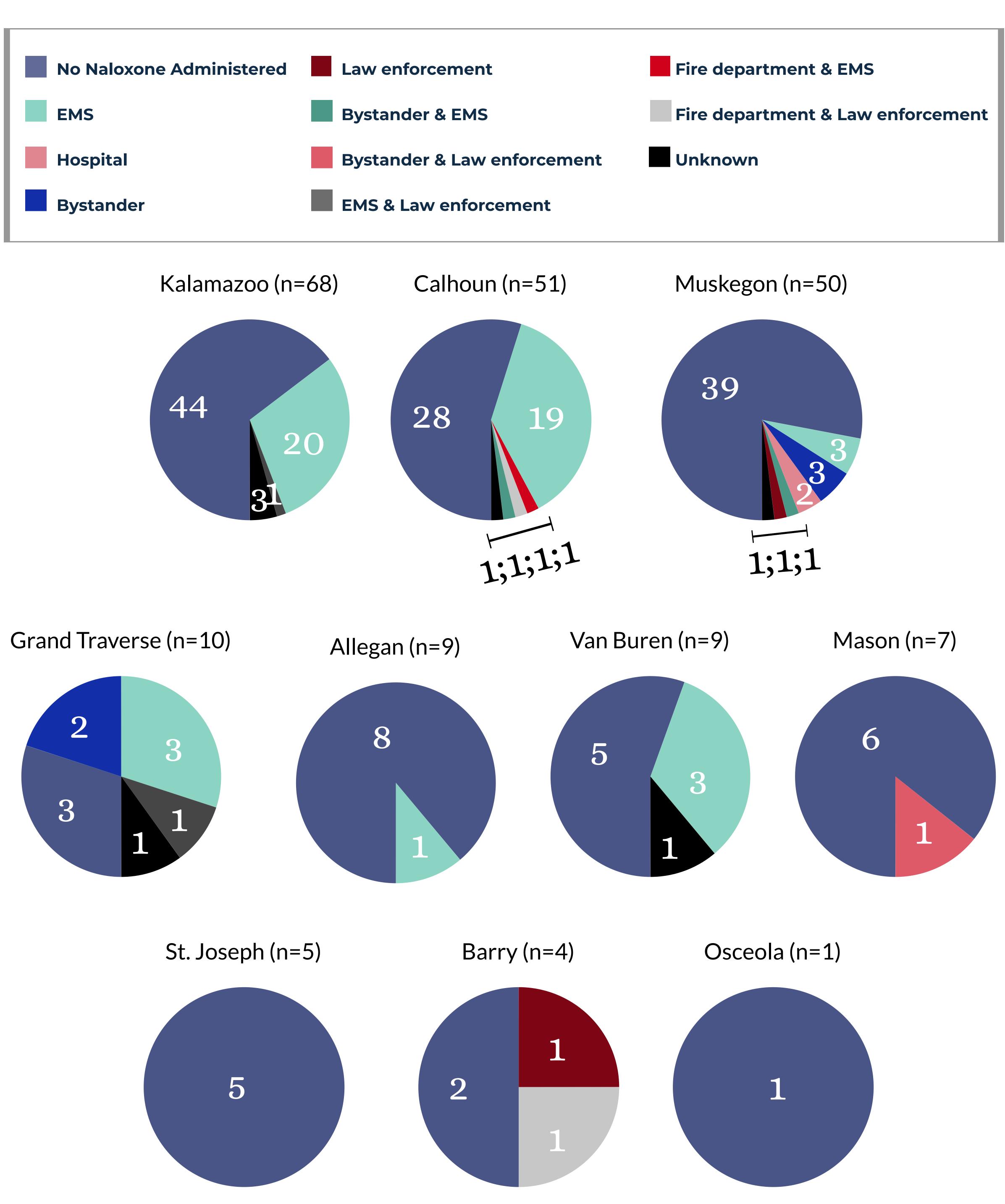


59 non-opioid only



Allegan, Barry, Calhoun, Grand Traverse, Kalamazoo, Leelanau, Mason, Muskegon, Osceola, St. Joseph, Van Buren

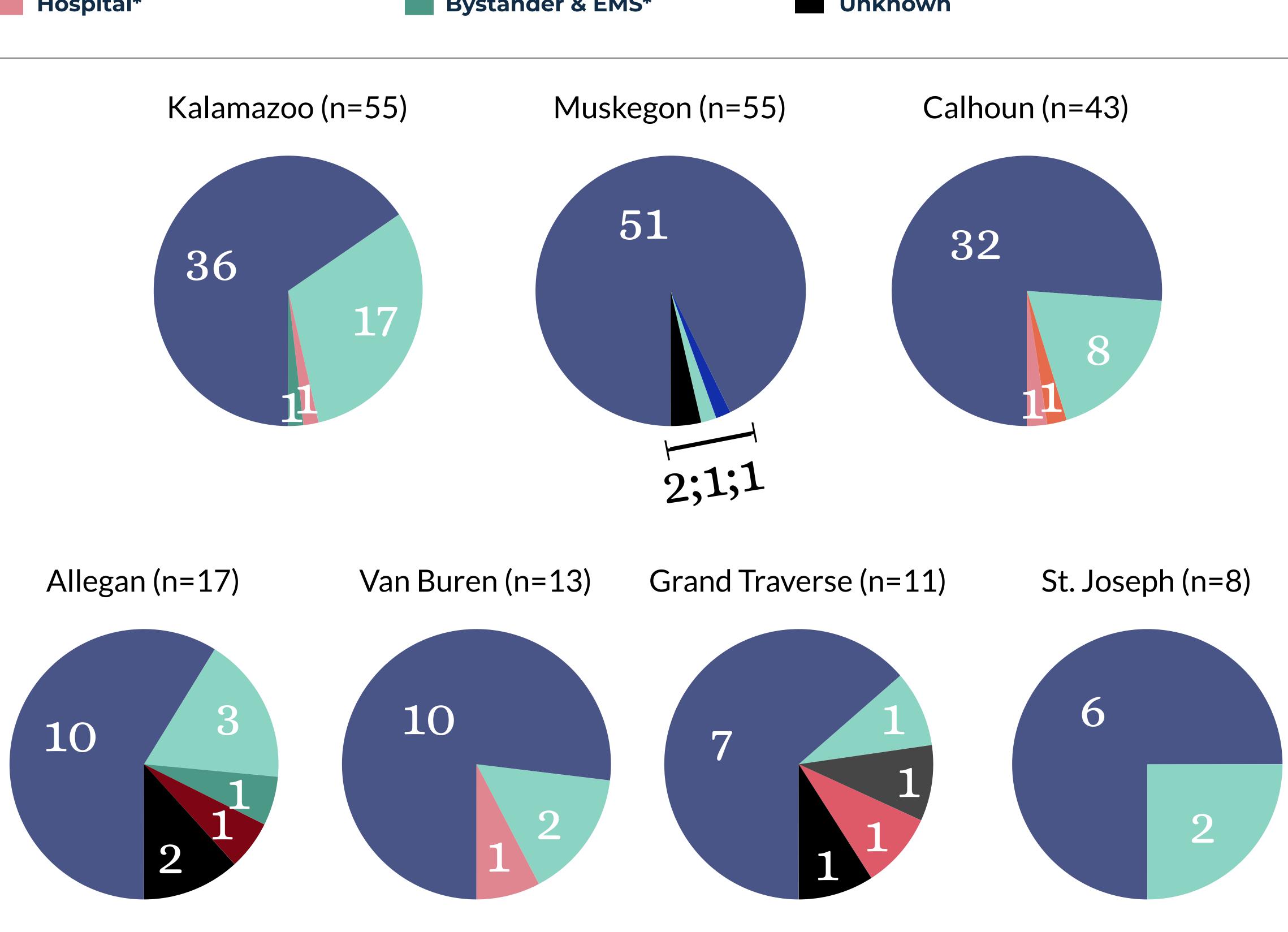
#### Naloxone Administration (2018)

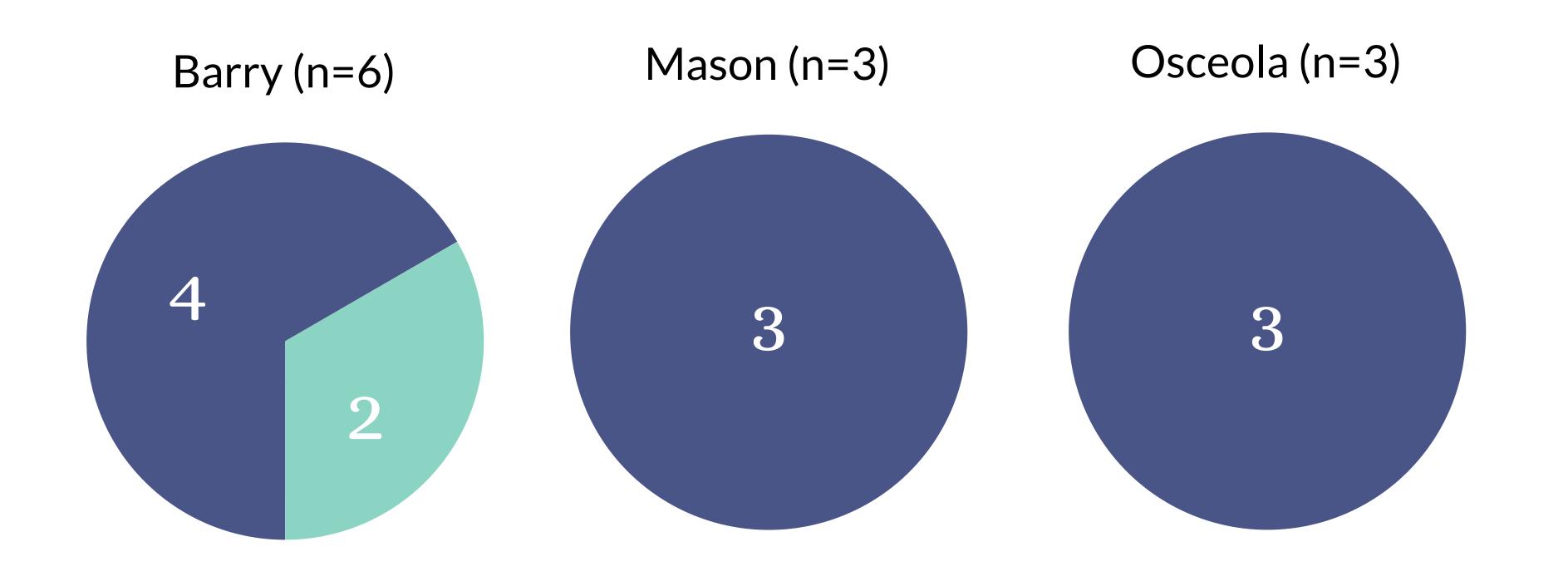


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#### Naloxone Administration (2019).





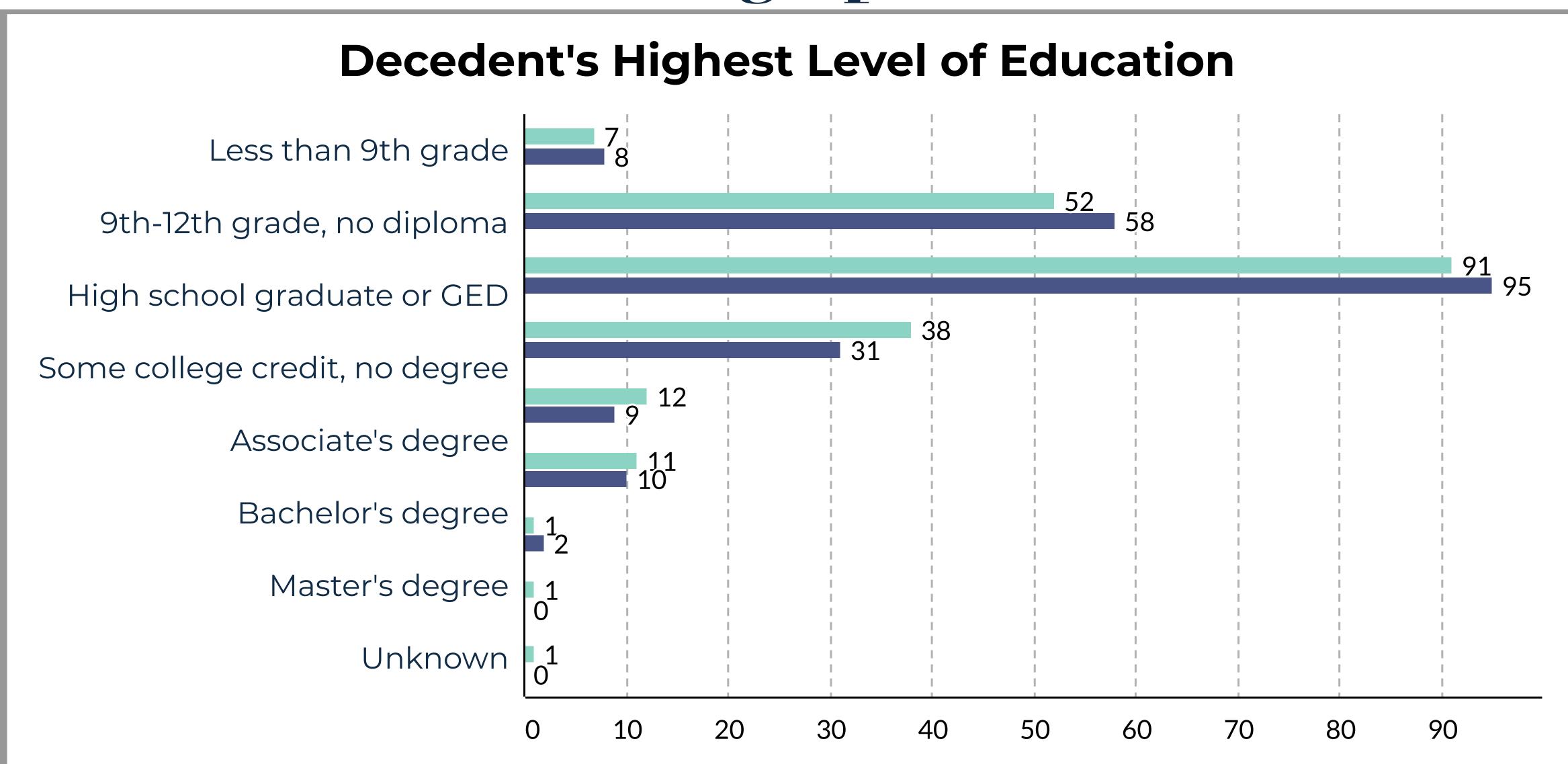


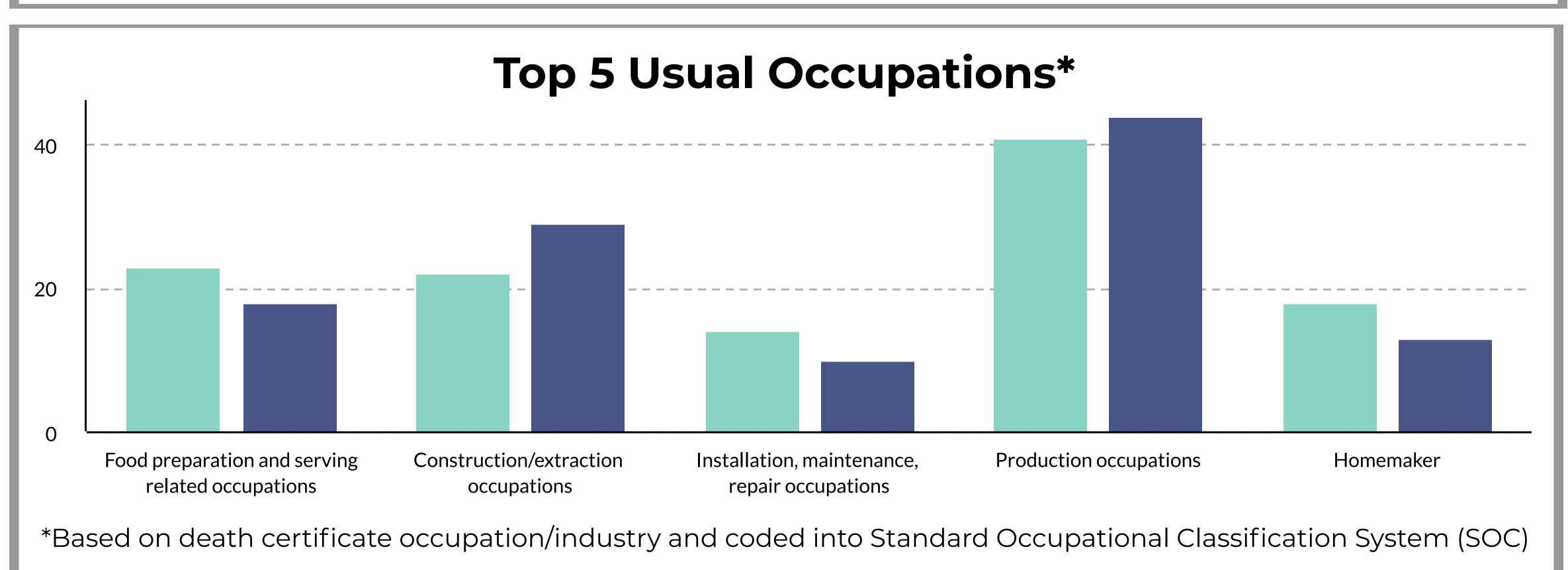
Allegan, Barry, Calhoun, Grand Traverse, Kalamazoo, Leelanau, Mason, Muskegon, Osceola, St. Joseph, Van Buren

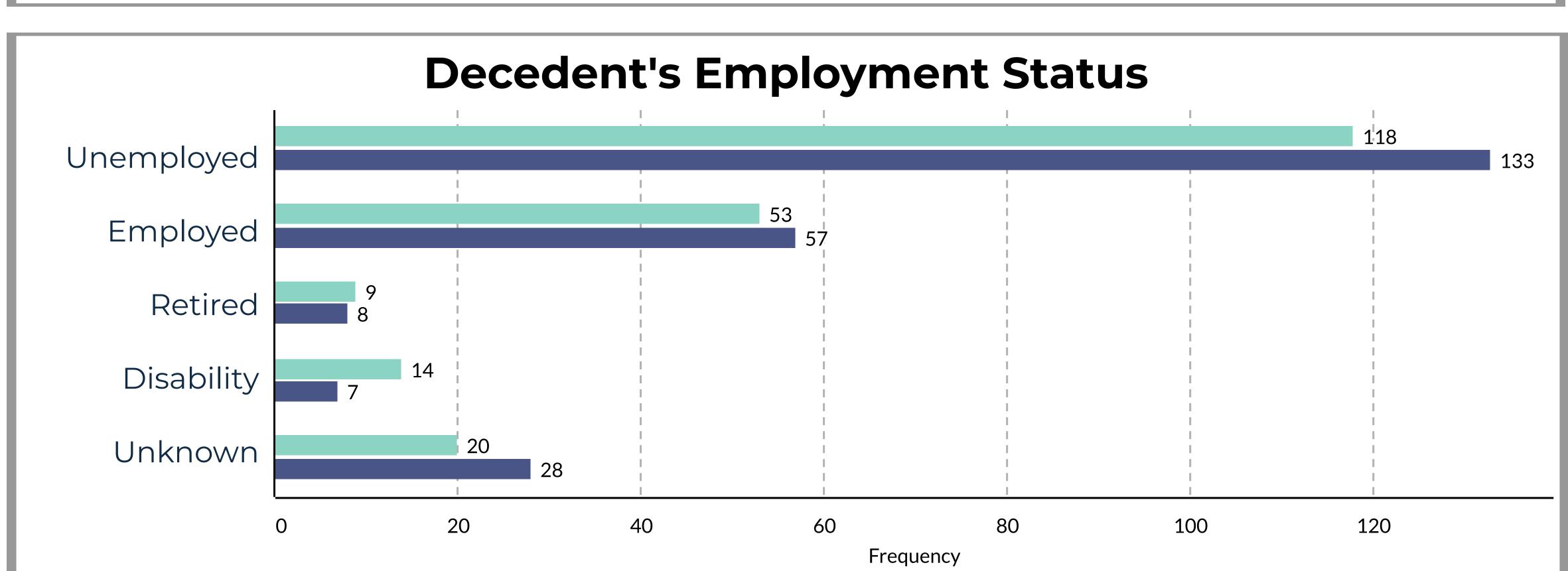
2018

### Demographics

2019



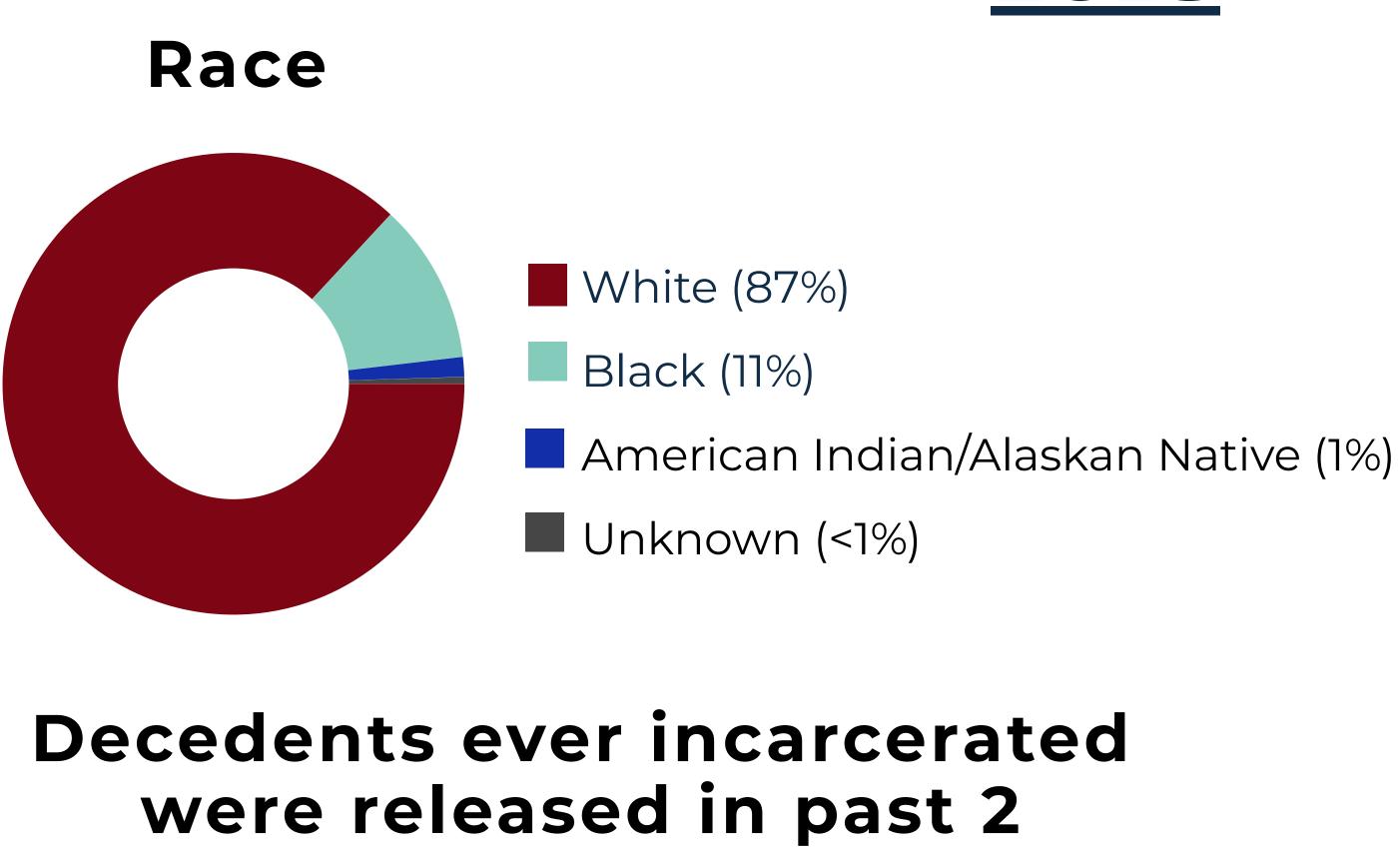




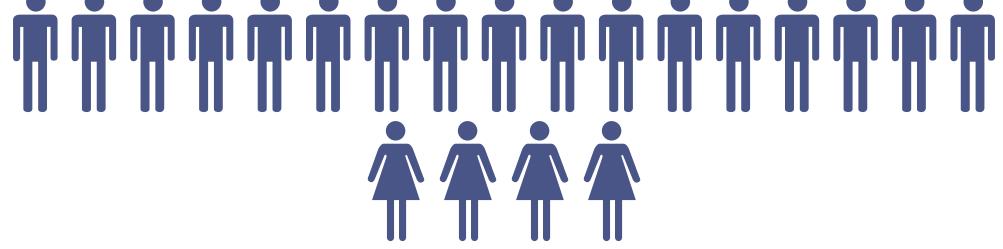
Allegan, Barry, Calhoun, Grand Traverse, Kalamazoo, Leelanau, Mason, Muskegon, Osceola, St. Joseph, Van Buren

#### Demographics cont.

## **2018**



Decedents ever incarcerated were released in past 2 months (10%)



#### Age

Minimum Age

19 years

Maximum Age

84 years

Average Age

42 years

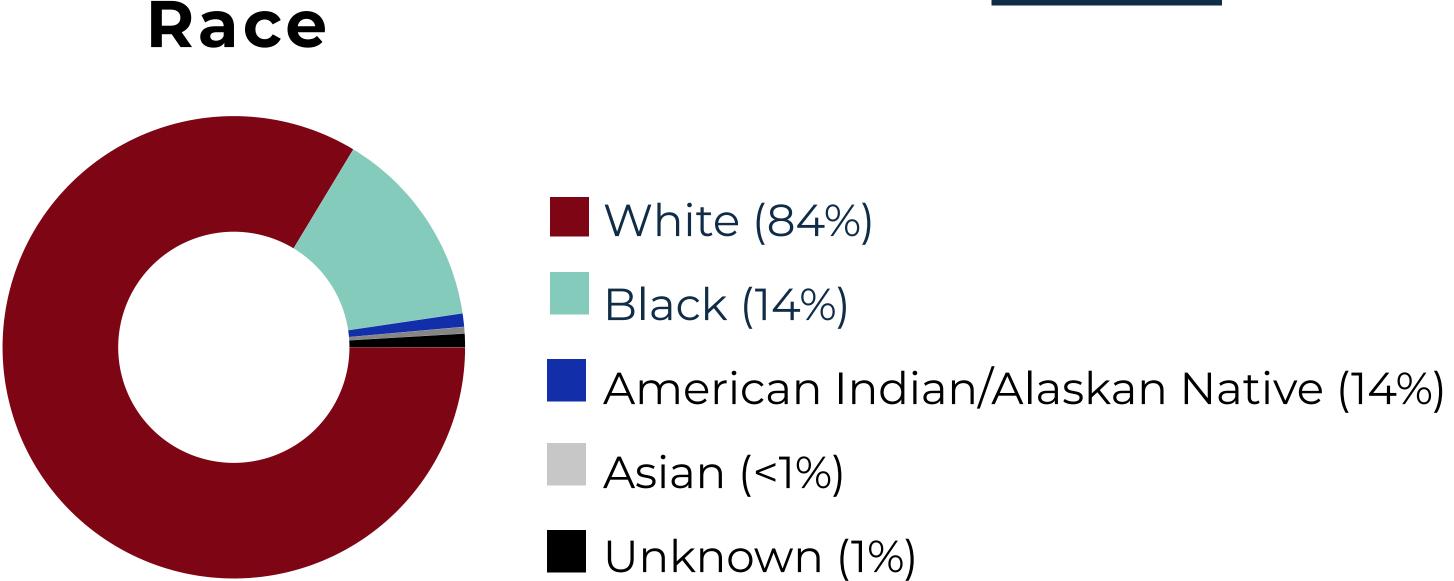
Sex



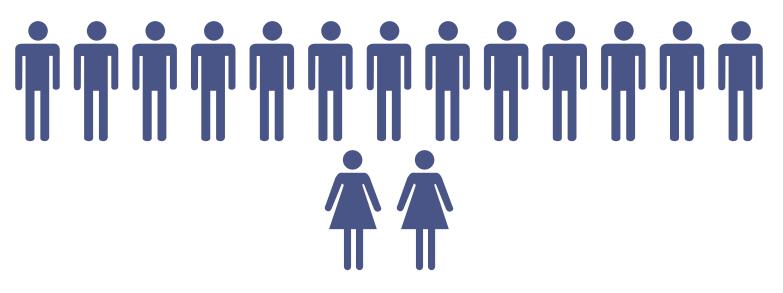
64%

36%

## 2019



Decedents ever incarcerated were released in past 2 months (9%)



#### Age

Minimum Age

15 years

Maximum Age

86 years

Average Age

43 years

Sex





69%

31%

Allegan, Barry, Calhoun, Grand Traverse, Kalamazoo, Leelanau, Mason, Muskegon, Osceola, St. Joseph, Van Buren

# Decedent's Substance Use History 2018 2019

At least 85% of decedents were known to use or abuse substances

At least 10% of decedents substance use started from a prescribed opioid

Decedent's typical substance(s) of choice

55%
HEROIN

30%
COCAINE

20%

**METHAMPHETAMINE** 

<sup>T</sup> Decedent may have had more than one substance of choice

At least 84% of decedents were known to use or abuse substances

At least 10% of decedents substance use started from a prescribed opioid

# Decedent's typical substance(s) of choice

43% HEROIN

21% COCAINE

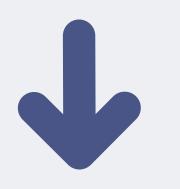
23%

**METHAMPHETAMINE** 

Decedent was reportedly substance free in the past month\*

23%

#### Suspected reasons for relapse\*



790/

39% 29%

32%

Left jail/rehab Life stress\*\*

Unknown

\*These factors were mentioned by those close to decedent (with substance use history) for why they may have begun to use substances again after a period of being substance free ranging from a few months to years.

\*\*Life stress includes social influences, changes within the family, and issues accessing treatment.

Decedent was reportedly substance free in the past month

26%

#### Suspected reasons for relapse\*



37%

24%

39%

Left jail/rehab

Life stress\*\*

Unknown

\*These factors were mentioned by those close to decedent (with substance use history) for why they may have begun to use substances again after a period of being substance free ranging from a few months to years.

\*\*Life stress includes social influences, changes within the family, and injuries.

<sup>&</sup>lt;sup>†</sup> Decedent may have had more than one substance of choice

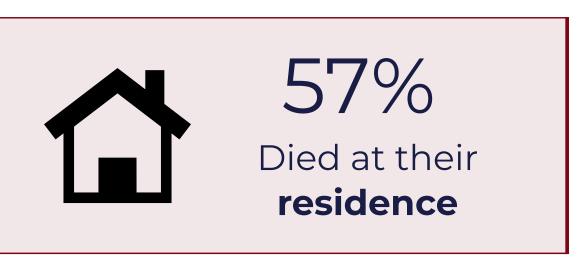
Allegan, Barry, Calhoun, Grand Traverse, Kalamazoo, Leelanau, Mason, Muskegon, Osceola, St. Joseph, Van Buren

# Death Scene Findings 2018













#### Autopsy and Toxicology Results 2018 2019

