

2020 ANNUAL REPORT

Deaths related to opioids and other drugs

Allegan

This report is in memory of those who lost their life or a loved one to substance use. These losses must motivate us all to prevent future deaths.

A few notes...

- **Purpose:**

- This data was collected by the **Office of the Medical Examiner in the Department of Pathology at WMed**. Unless otherwise noted, data is from 2020 and includes deaths where drugs were the immediate cause of death (Pt. I of the death certificate). This report is meant to provide up to date statistics to those involved in efforts to reduce the number of drug-related deaths.

- **Sections with the following headings are approximations and frequencies may be higher than what is reported:**

- Health Factors, Mental Health Factors, Social Factors, Children and Substance Use History.

- **Sources:**

- All data was extracted from a Medical Examiner database, law enforcement (LE) and EMS reports, death certificates, obituaries, Swift Toxicology of Overdose-Related Mortalities (STORM) results, medical records, toxicology reports, MDHHS reports, and autopsy reports.

Please email Chloe Bielby for additional information or to set up a time to discuss your county's report: chloe.bielby@med.wmich.edu

Deaths Related to Opioids and Other Drugs

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All Drug-Related Deaths

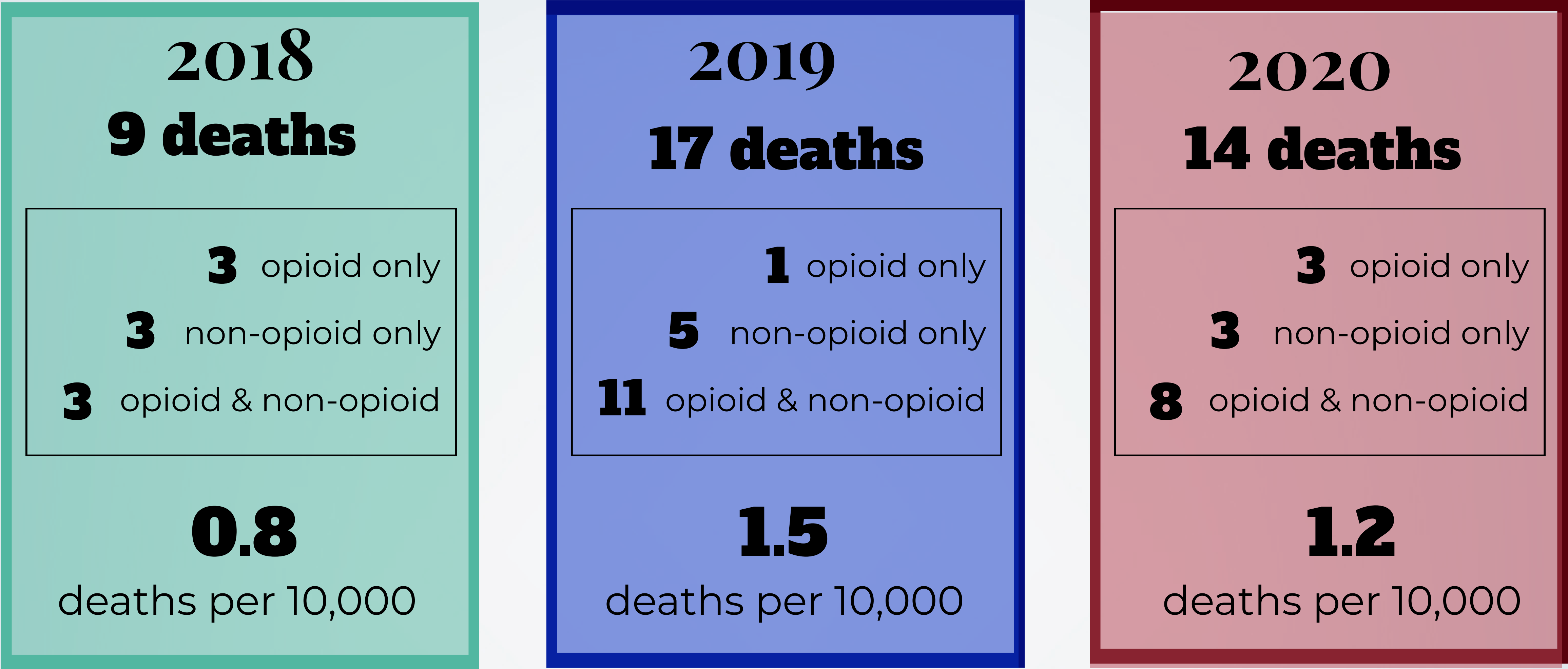
Age	Race	Sex	Death Certificate: Substances Contributing to Death	Injury Zip Code
24	W	M	Pt. I: Fentanyl, methamphetamine	49010
28	W	M	Pt. I: Fentanyl	49078
29	W	M	Pt. I: Clonazepam, doxylamine, fentanyl, trazodone	49078
30	W	M	<i>Pt. II: Methamphetamine*</i>	49419
30	W	M	Pt. I: Methamphetamine	49419
31	W	M	Pt. I: Fentanyl, morphine	49080
36	W	M	Pt. I: Methamphetamine, flualprazolam	49323
36	W	F	Pt. I: Fentanyl, xylazine	49323
39	W	M	Pt. I: Methamphetamine	49450
43	W	M	Pt. I: Alprazolam, fentanyl	49408
43	W	M	Pt. I: Fentanyl	49348
45	W	M	Pt. I: Alprazolam, fentanyl, heroin, hydrocodone, gabapentin	49423
48	W	M	Pt. I: Fentanyl, ethanol	49408
49	W	F	Pt. I: Methadone, gabapentin	49423
52	W	M	<i>Pt. I: Acute and chronic alcoholism*</i>	49423
59	W	M	Pt. I: Fentanyl, diazepam, oxycodone, gabapentin	49328

* Case is not included in the following report

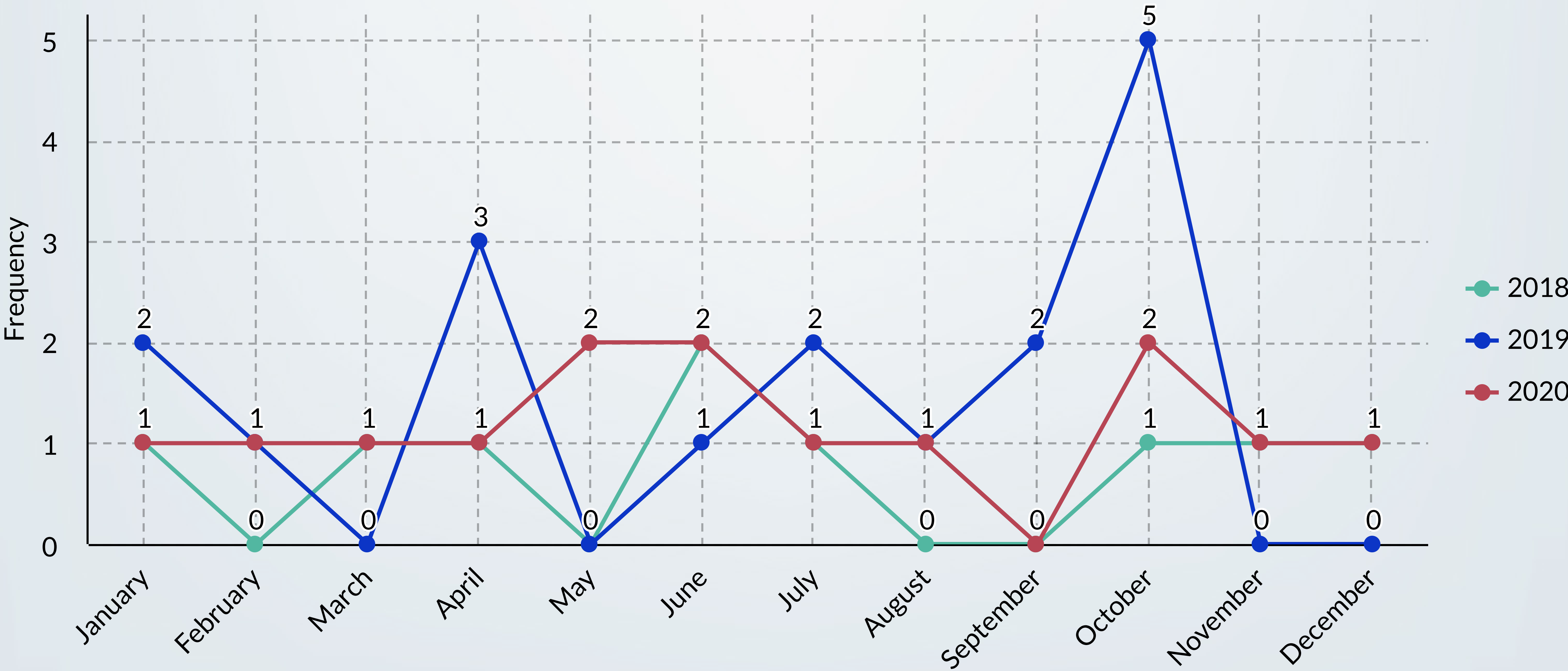
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Total deaths due to drugs: 2018, 2019, 2020



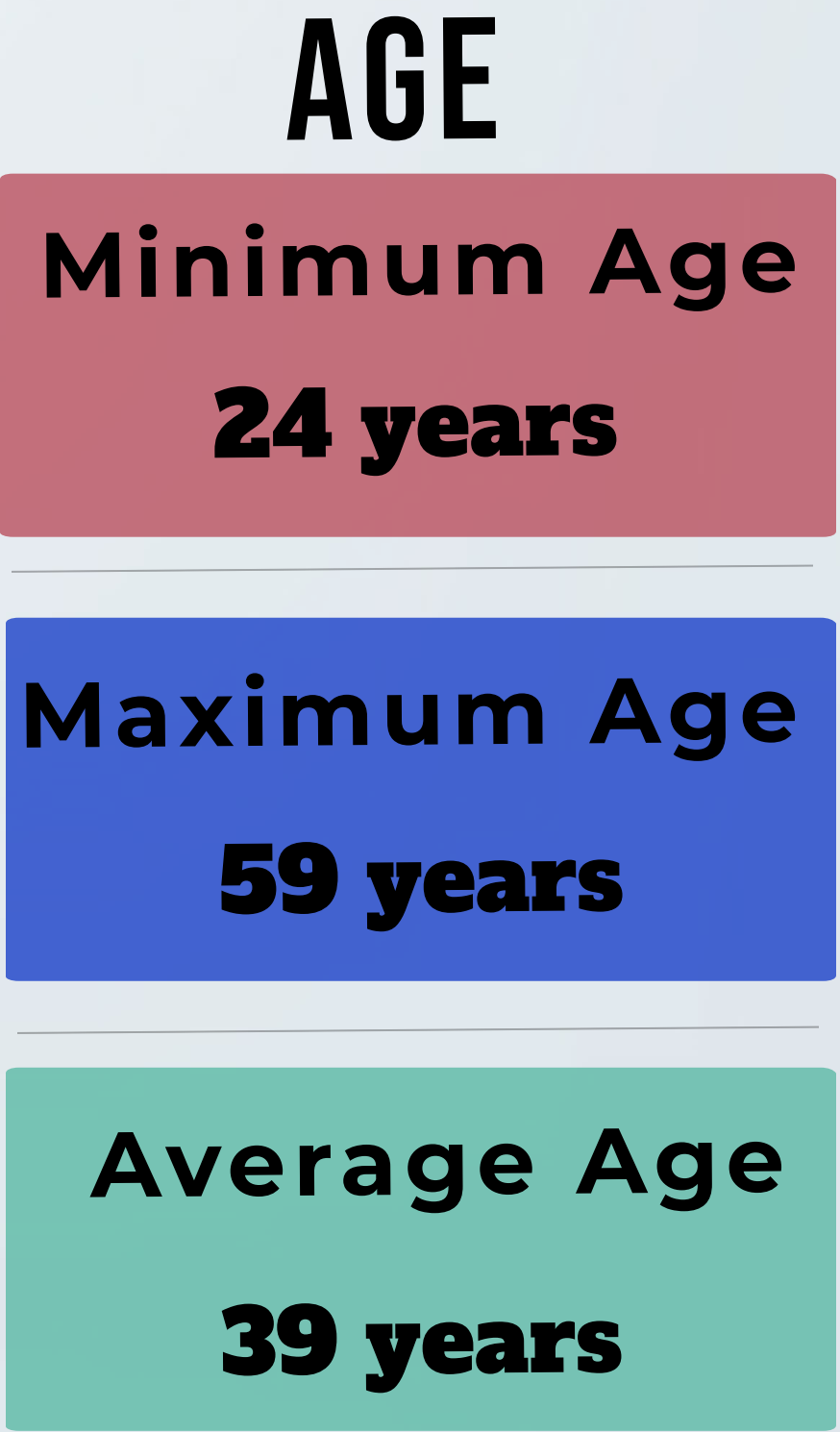
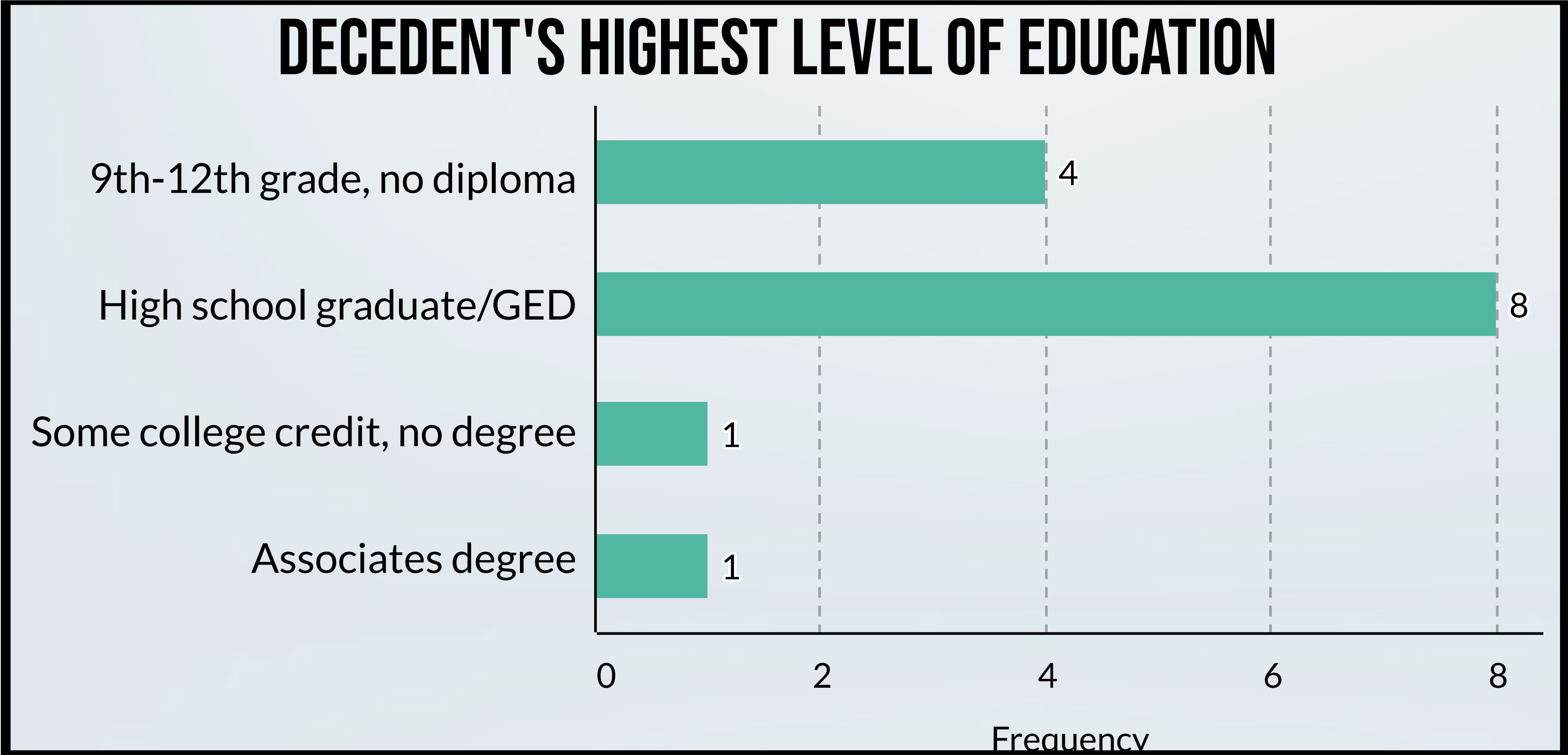
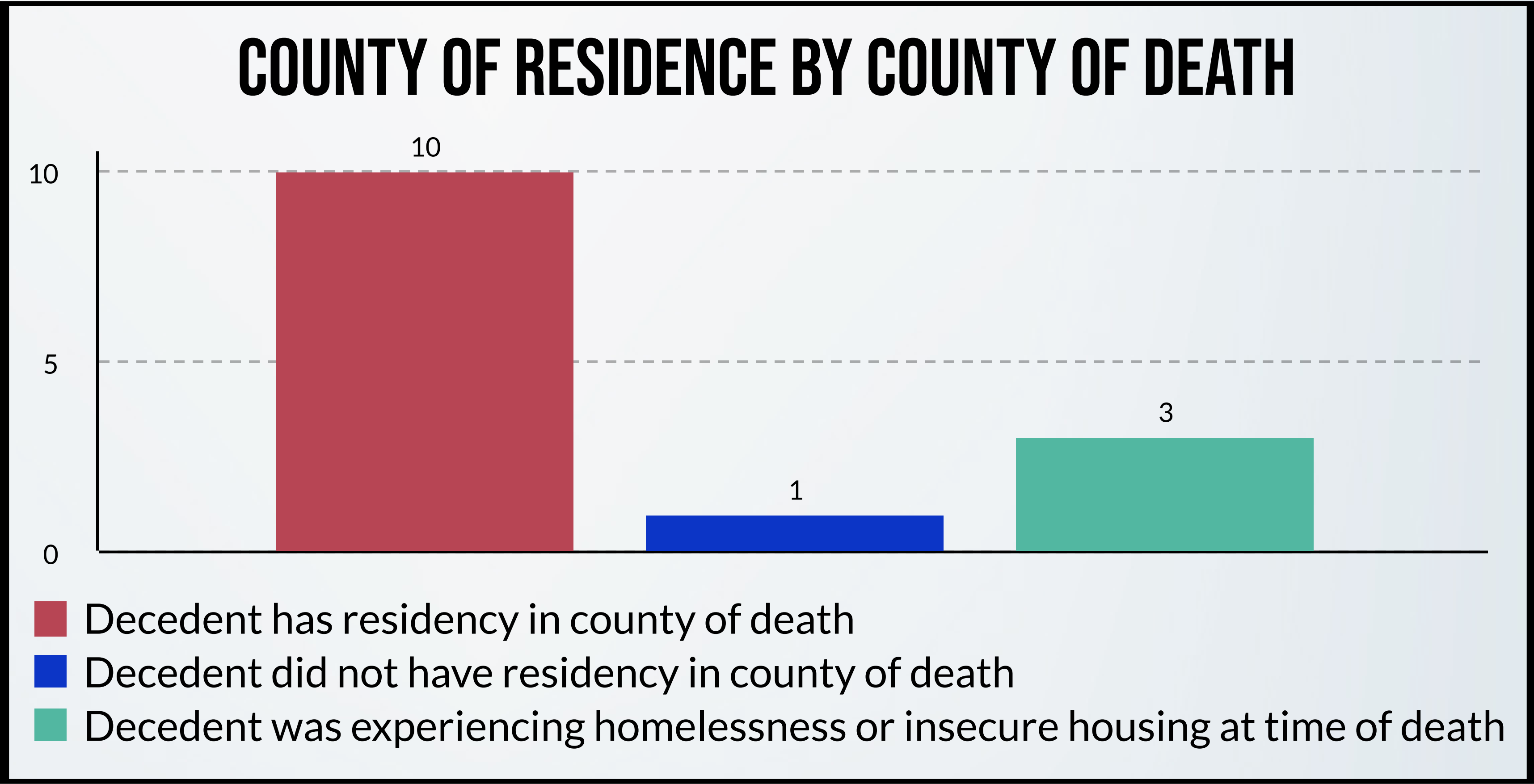
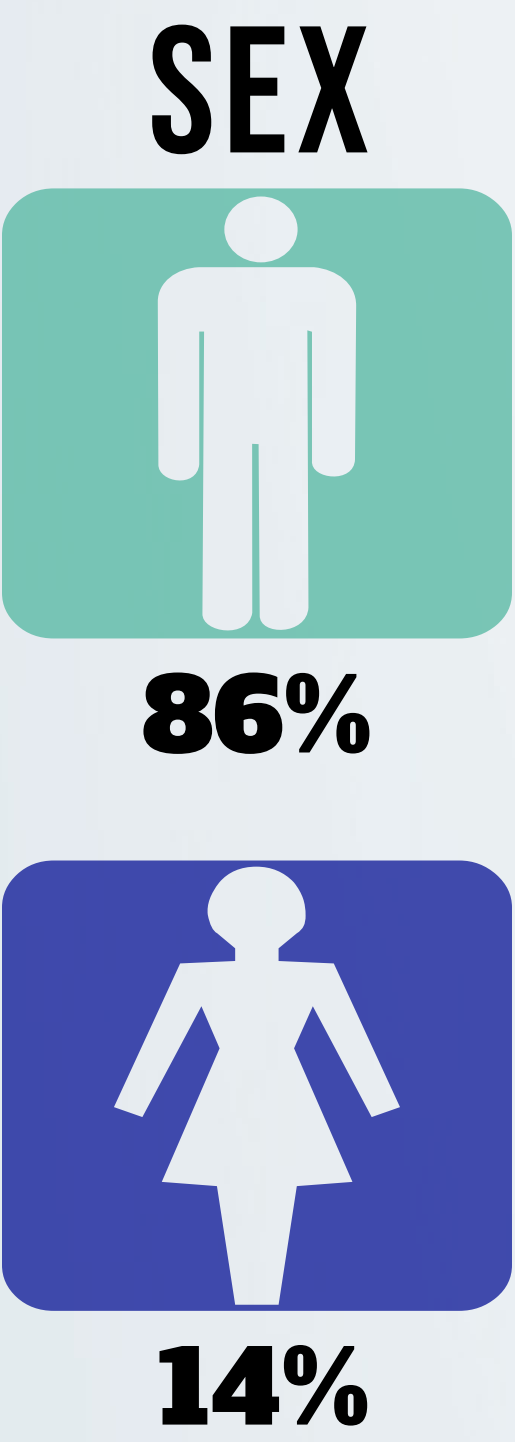
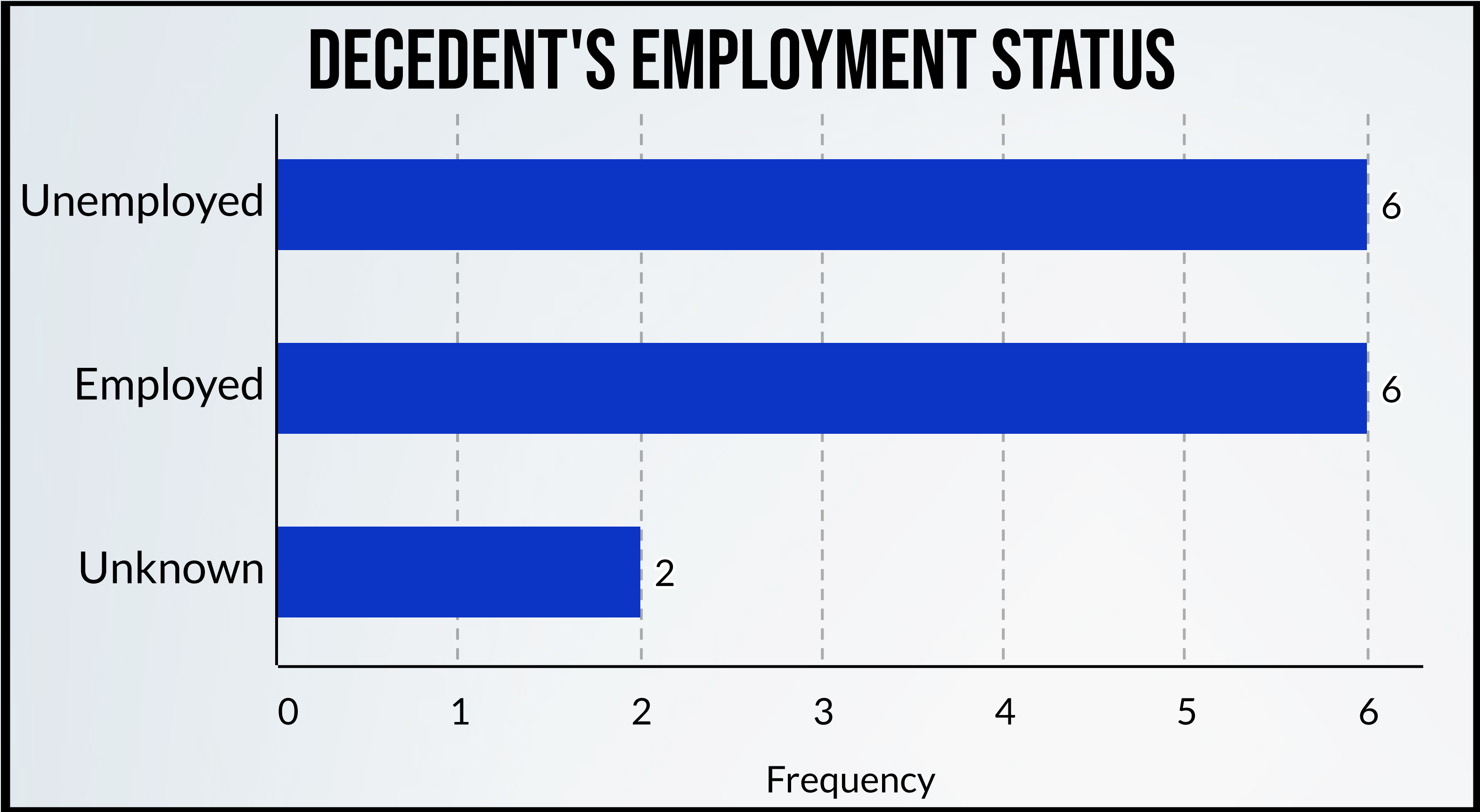
Number of all drug-related deaths by month and year



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Demographics



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Health Factors

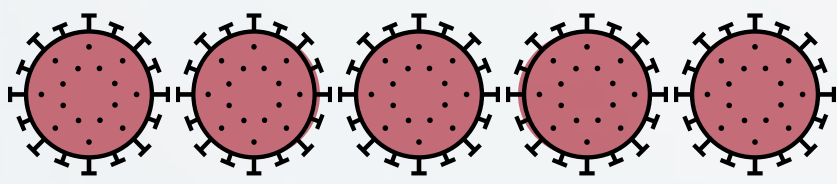
MOST PREVALENT AILMENTS*

Chronic pain (29%)

Hypertension (21%)

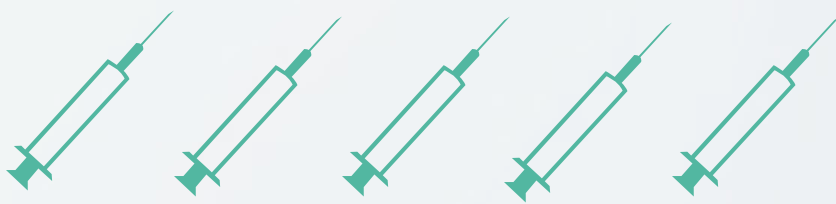
Diabetes (14%)

*Decedents may be represented in more than one category. Only illnesses with official diagnosis are included.



At least 2 decedents were
Hepatitis C positive

Both of these decedents were
known to use
substances intravenously



Decedent used tobacco

86%+



Decedent drank alcohol

50%+



Decedent had a PCP

36%



BODY MASS INDEX (BMI)



Underweight

0



Normal weight

6



Overweight

6



Obese class 1

0



Obese class 2

2



Obese class 3

0

0

2

4

6

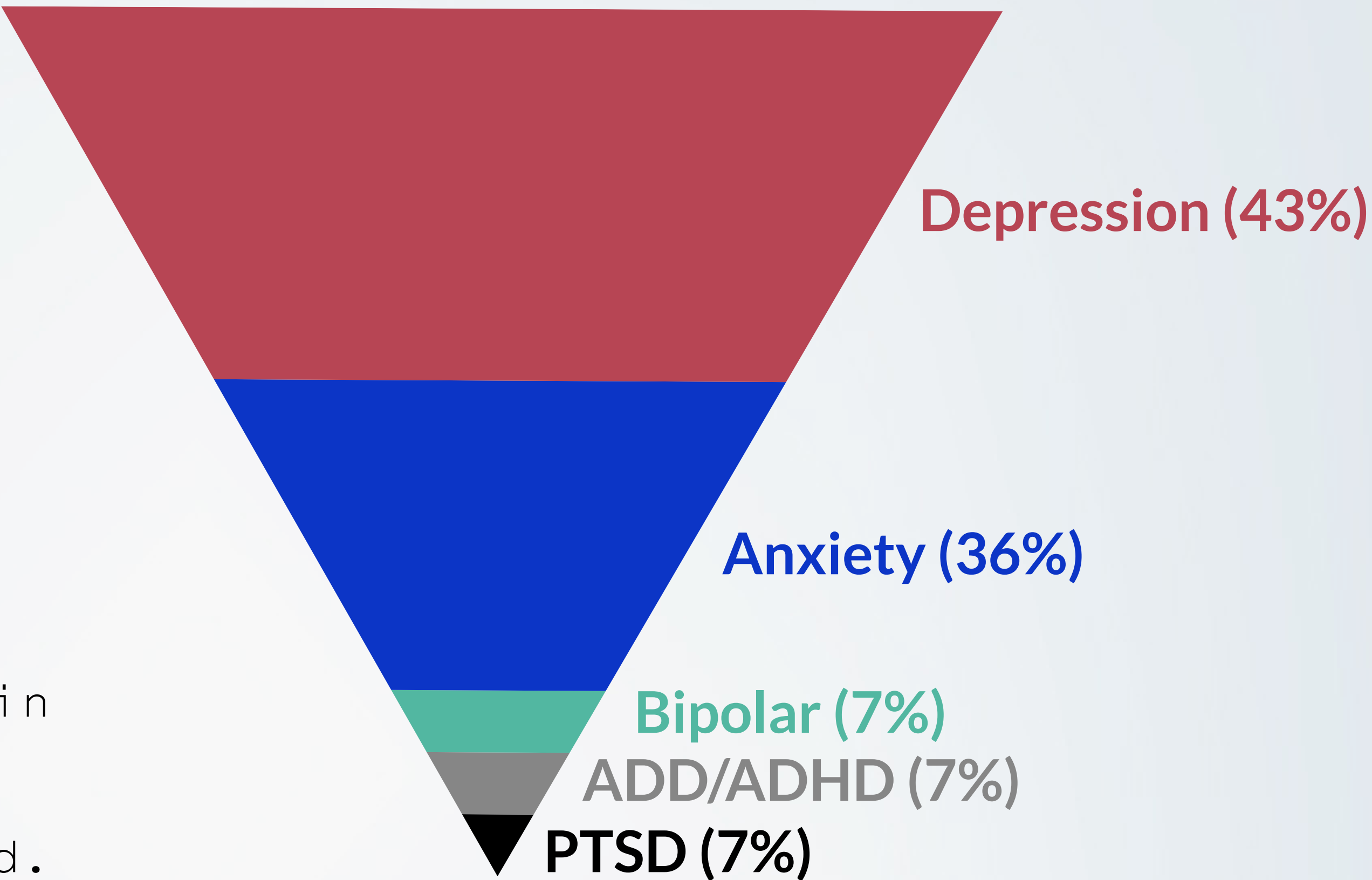
Frequency

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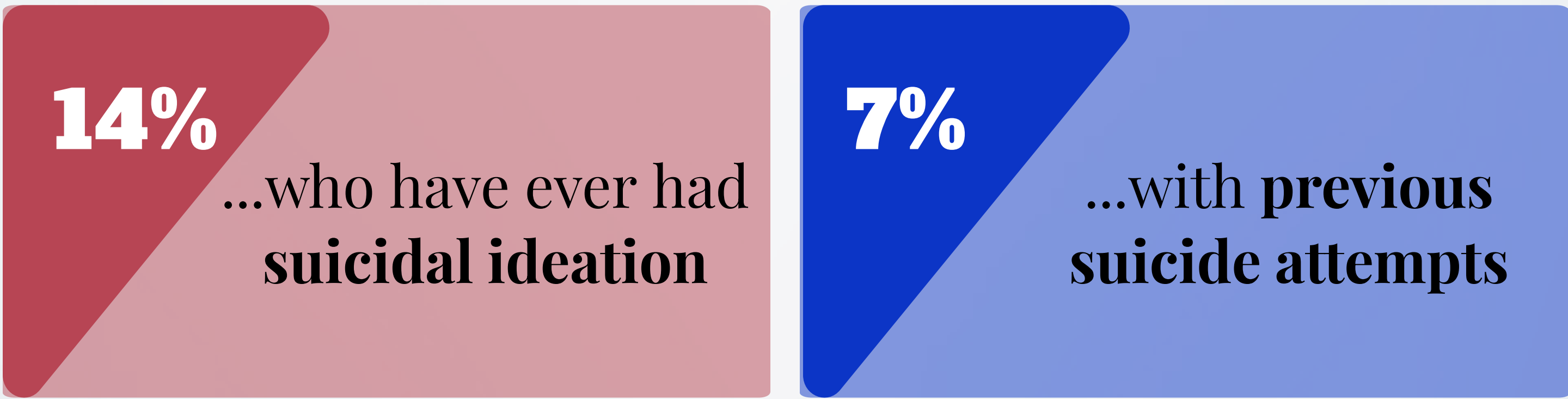
Mental Health Factors

MOST
PREVALENT
MENTAL ILLNESSES*

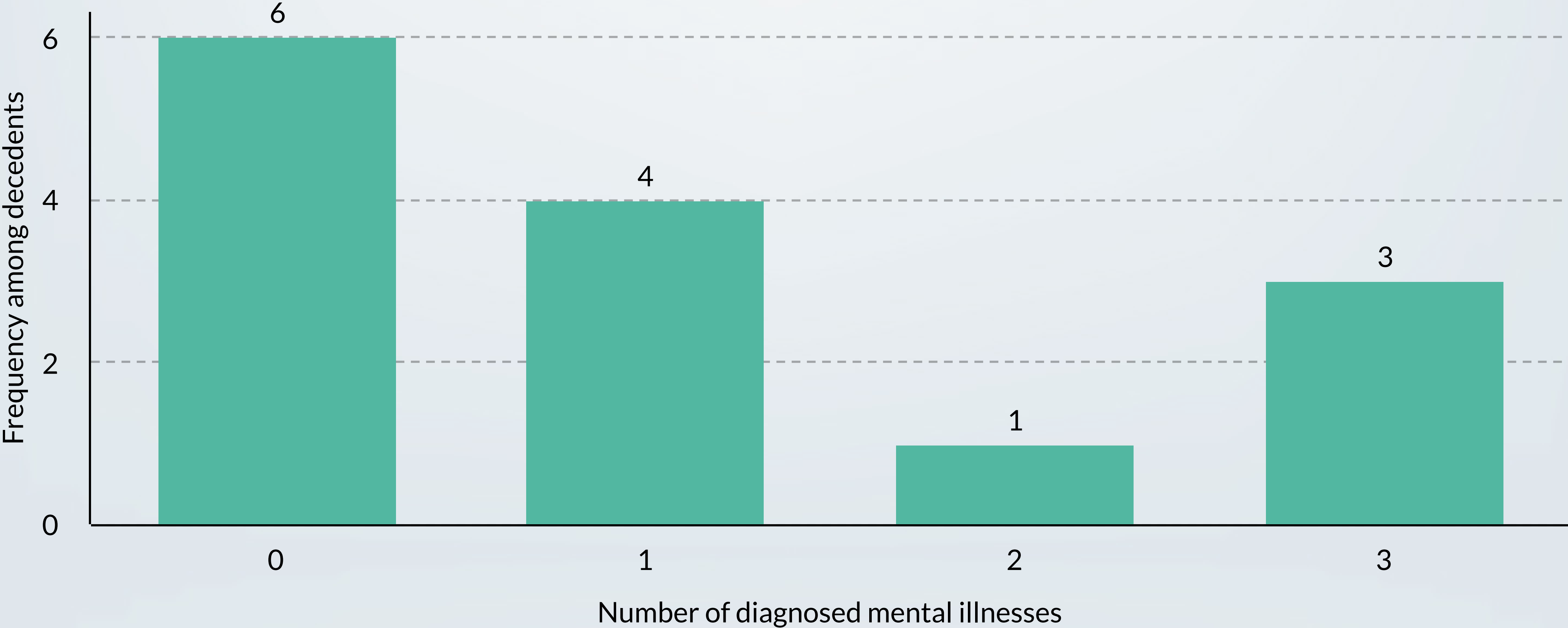


*Decedents may be represented in more than one category. Only mental illnesses with official diagnosis are included.

PERCENTAGE OF DECEDENTS...



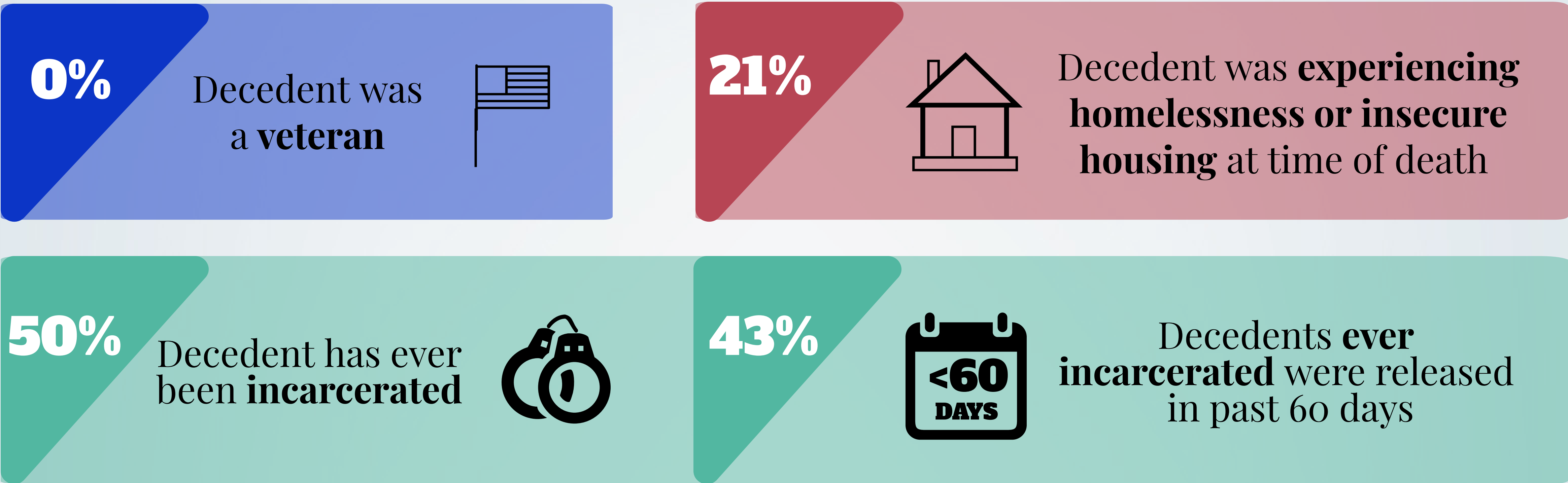
NUMBER DIAGNOSED MENTAL ILLNESSES AMONG DECEDENTS



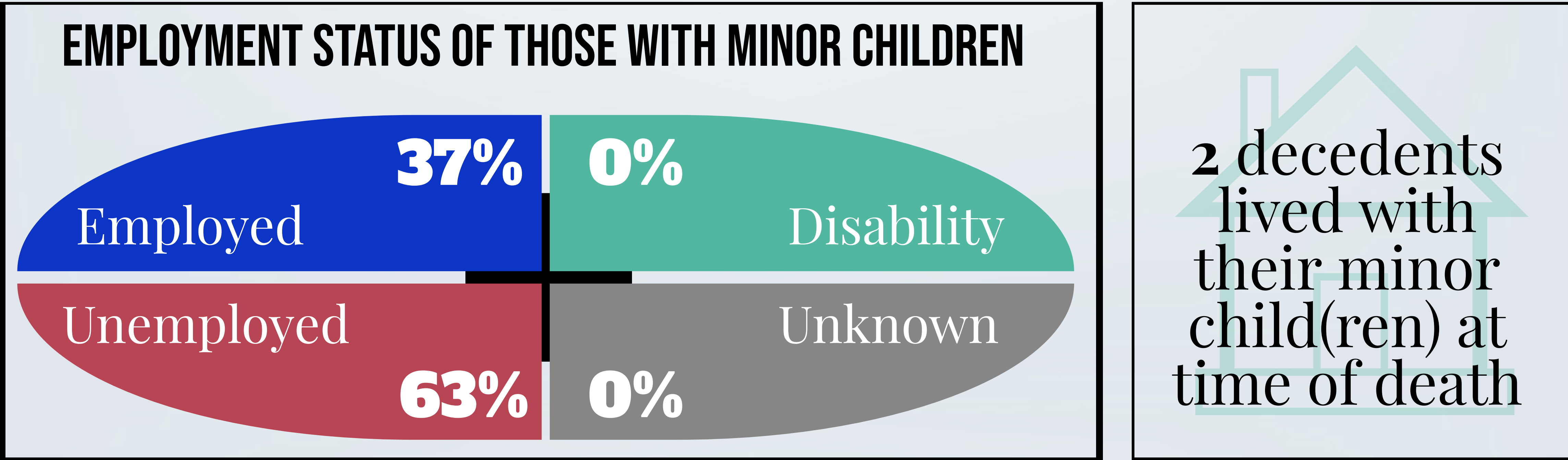
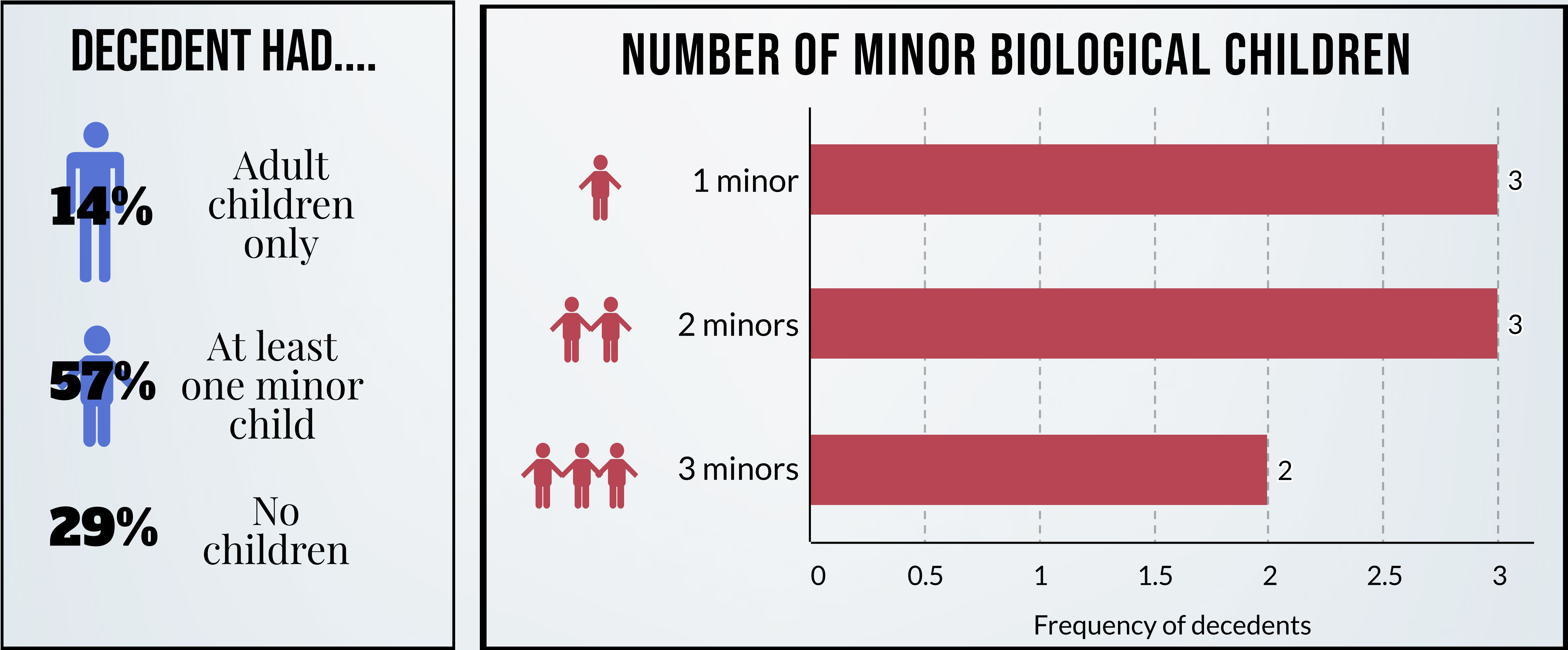
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Social Factors



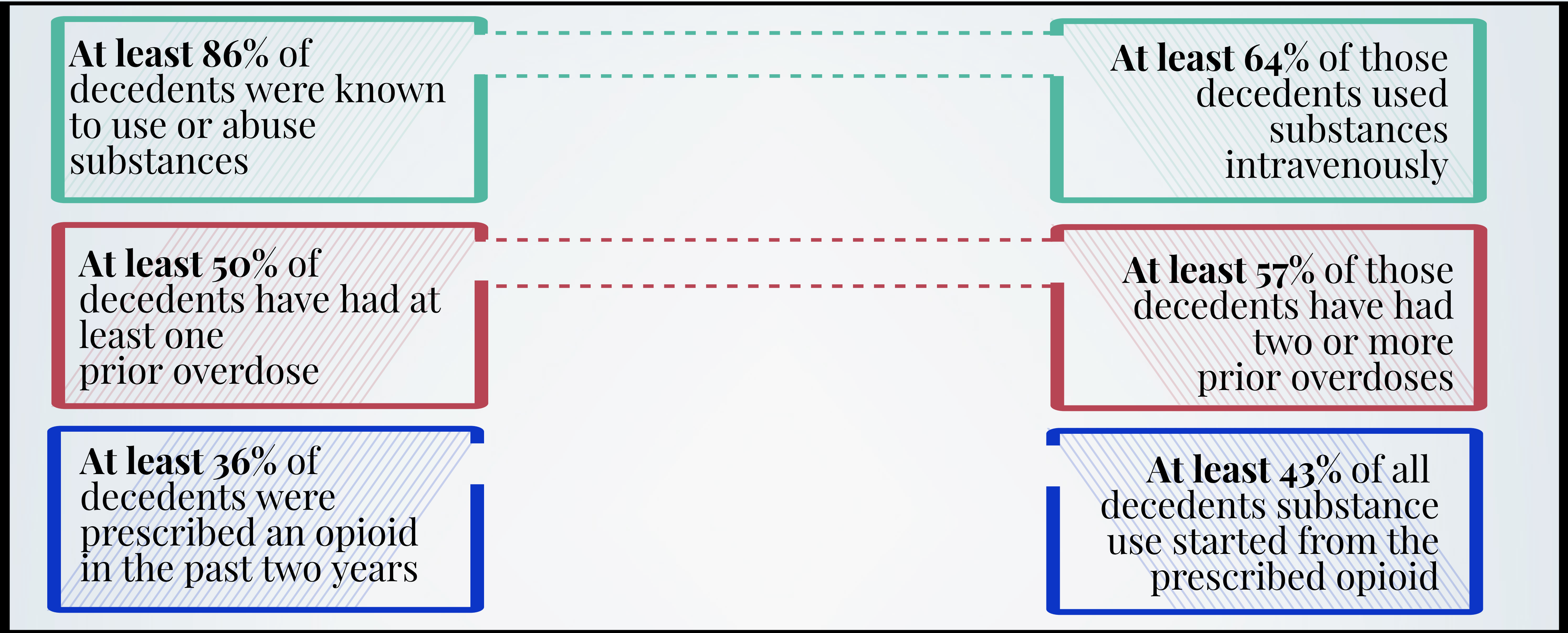
Children



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Substance Use History



RECOVERY HISTORY (N=12*)

50%

Decedent has been to a substance rehabilitation clinic at least one time

7%

Decedent was currently receiving or has received a form of medication-assisted treatment (MAT) in the past two years

33%

Decedent was recently substance free in the past three weeks

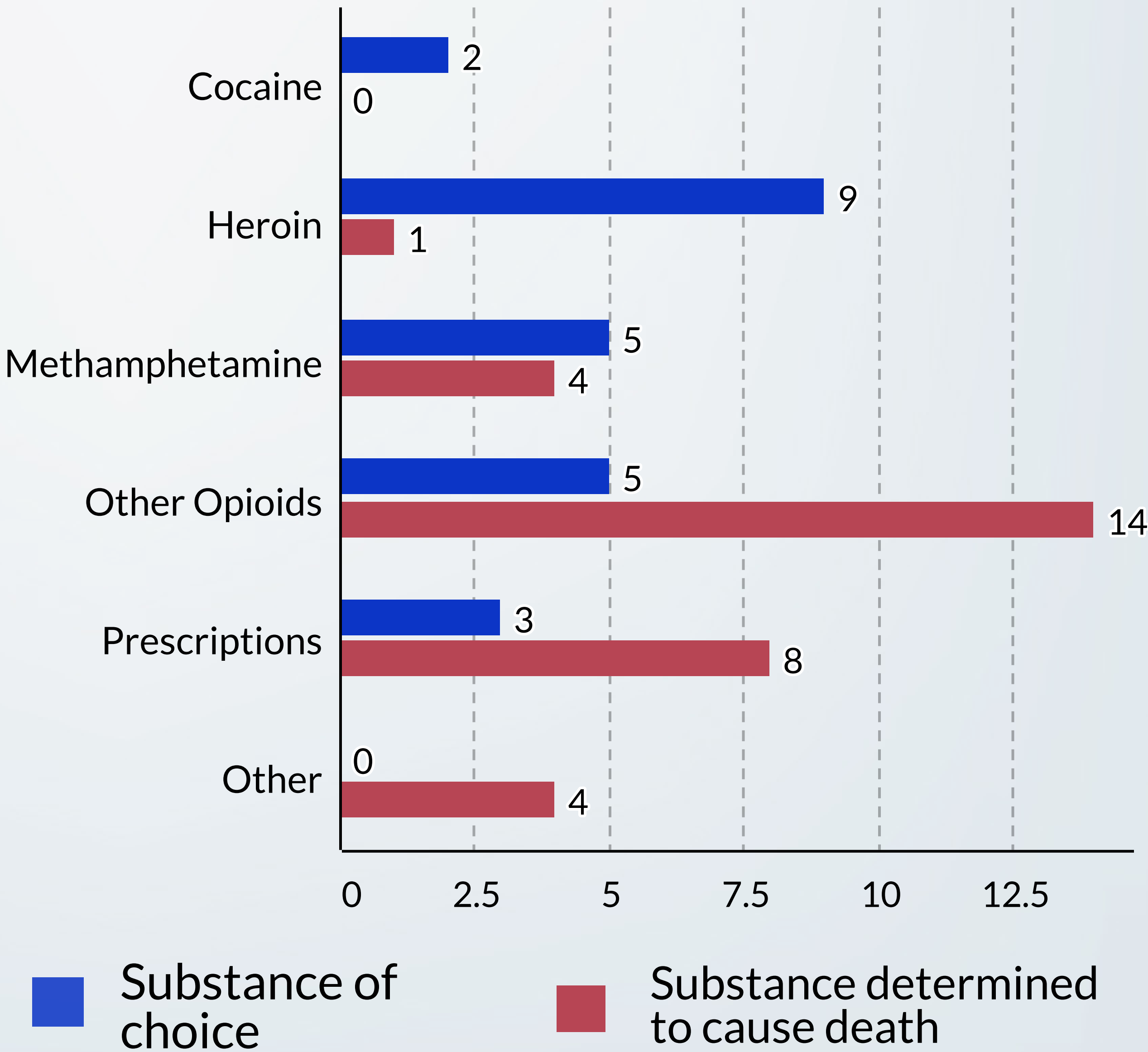
SUSPECTED REASONS FOR RELAPSE**



*ONLY decedents known to use substances are included.

**These factors were mentioned by those close to decedent for why they may have begun to use substances again after a few months to years of living substance free.

DECEDENT'S SUBSTANCE OF CHOICE VS. WHAT WAS DETERMINED TO CAUSE DEATH



*Decedent may have had more than one substance of choice and in their toxicology.

NOTE: 2 decedents were not known to use substances

Prescriptions does not include opioids.

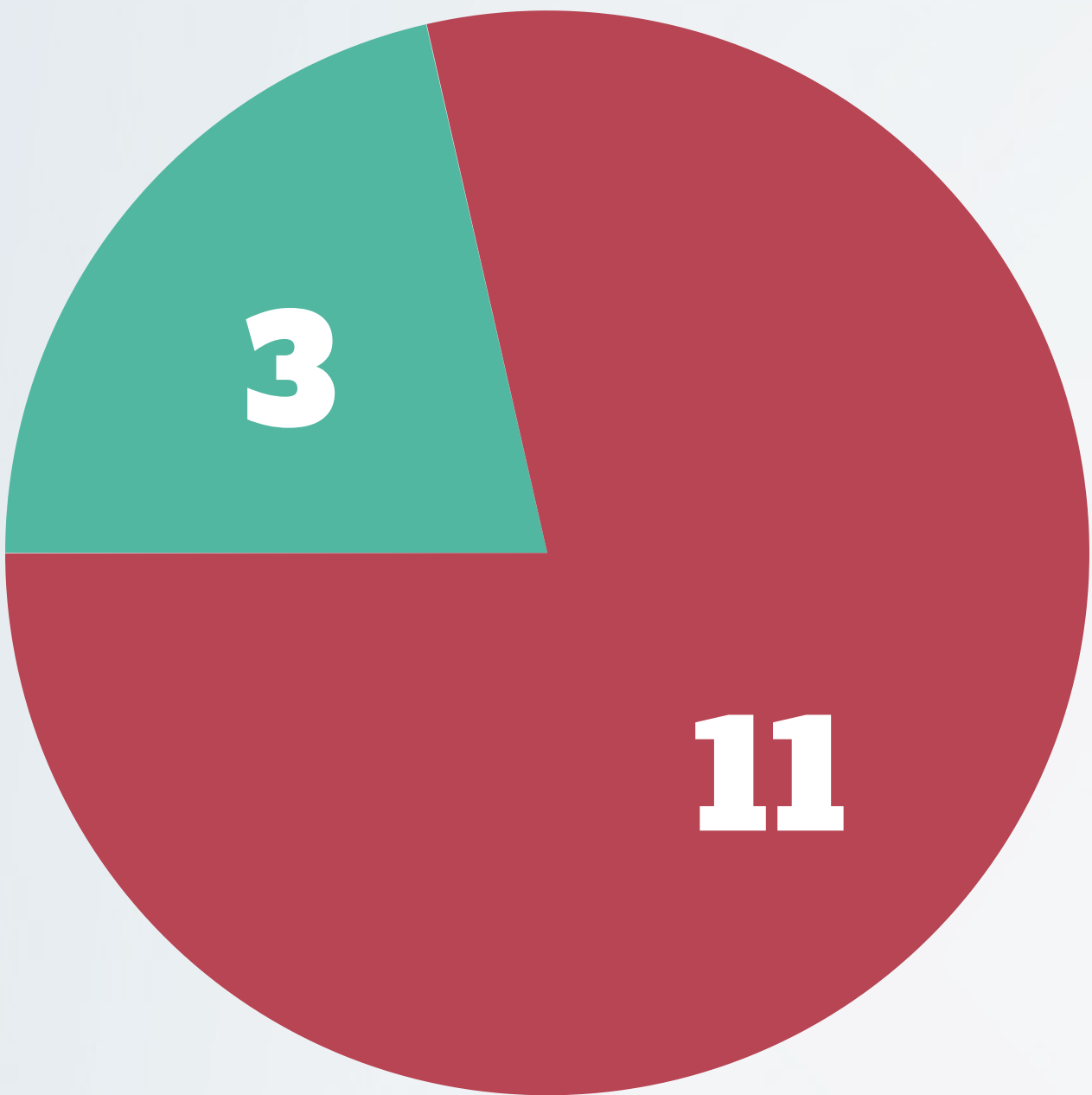
Other includes doxylamine, ethanol, flualprazolam, and xylazine.

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Naloxone Administration

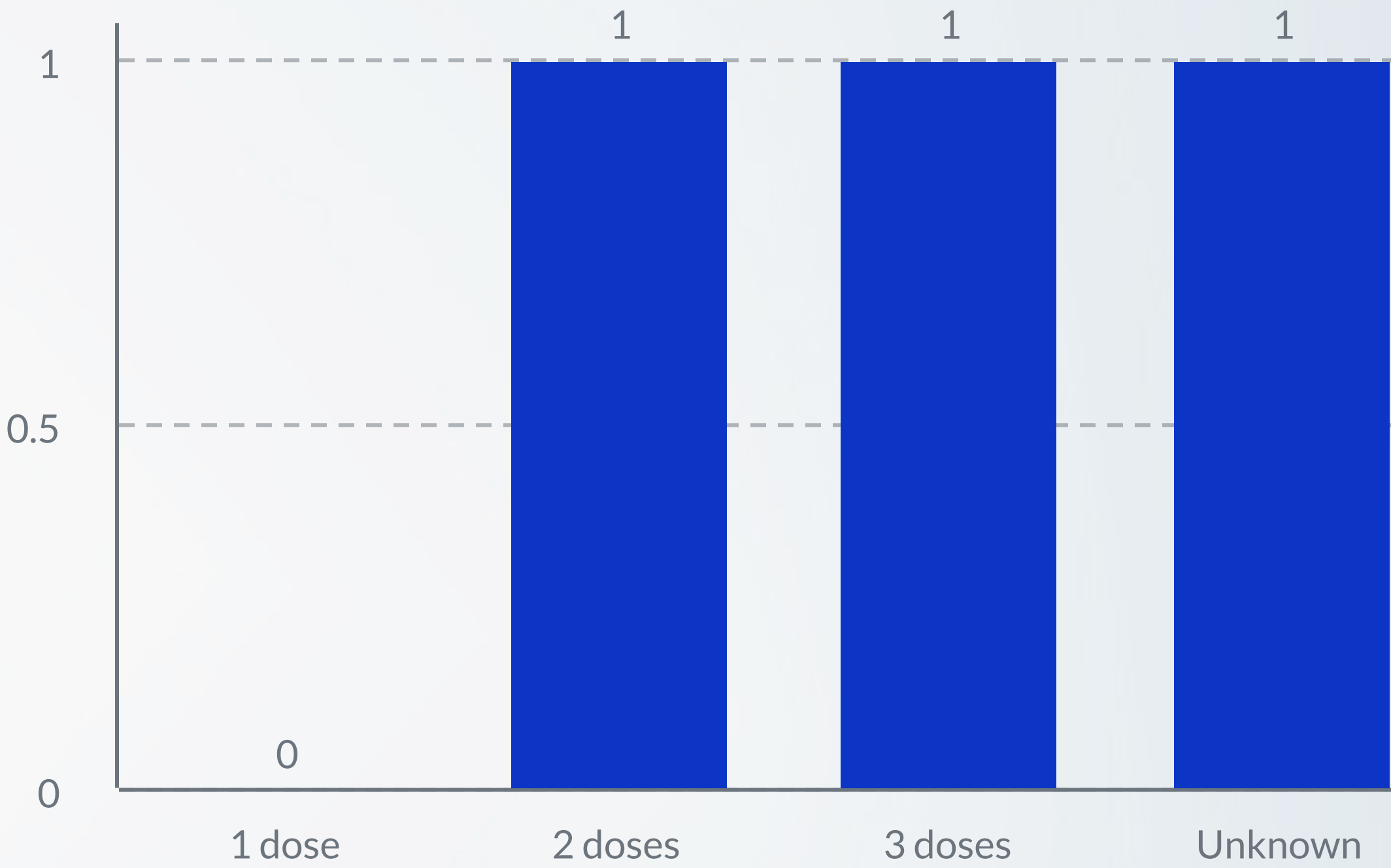
NALOXONE ADMINISTRATION STATUS



Naloxone administered

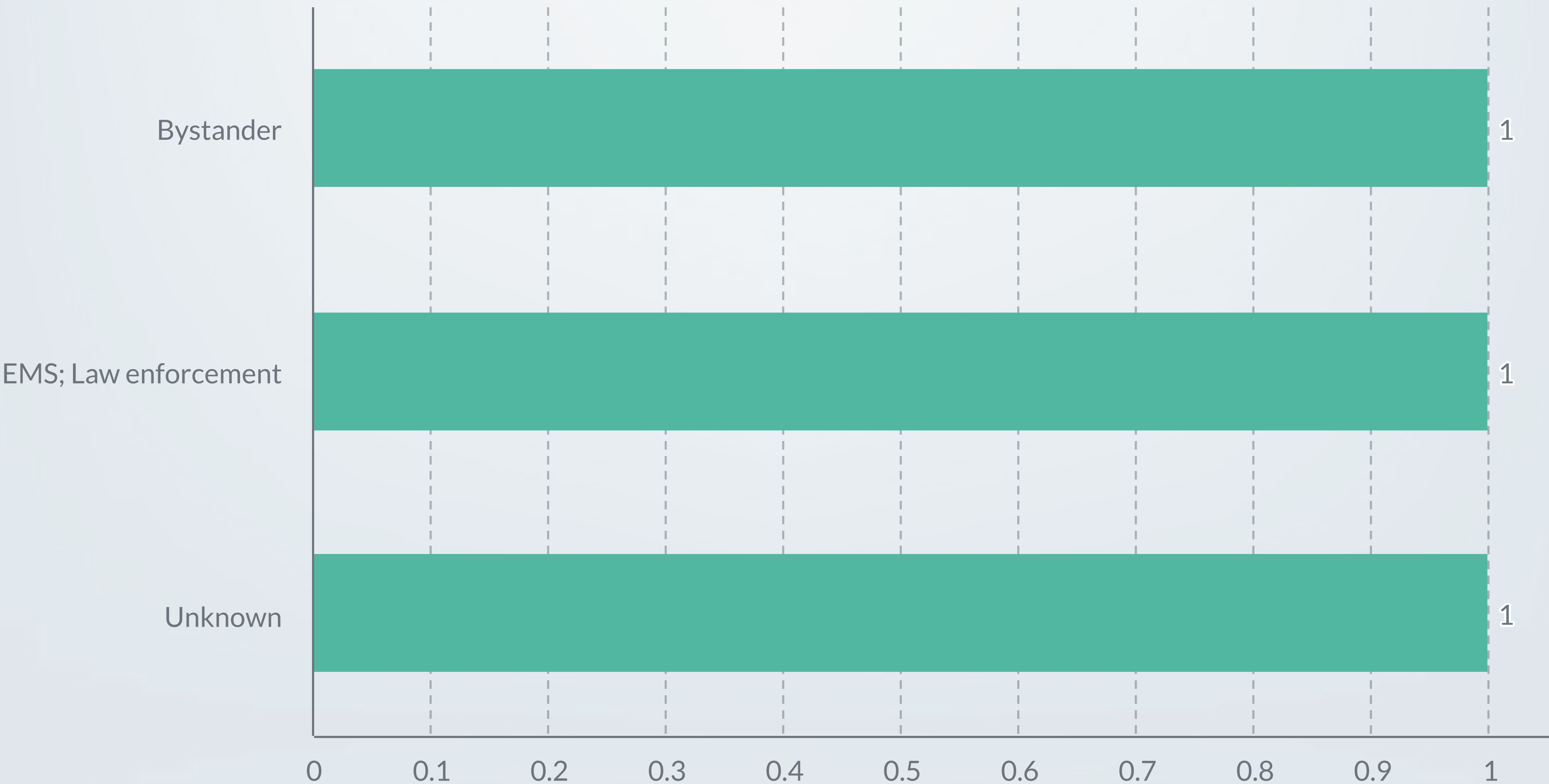
No Naloxone administered

HOW MANY DOSES (2 MG) OF NALOXONE WERE ADMINISTERED



2 decedents were given extensive resuscitative efforts (CPR, epinephrine, etc.) but were not given Naloxone.

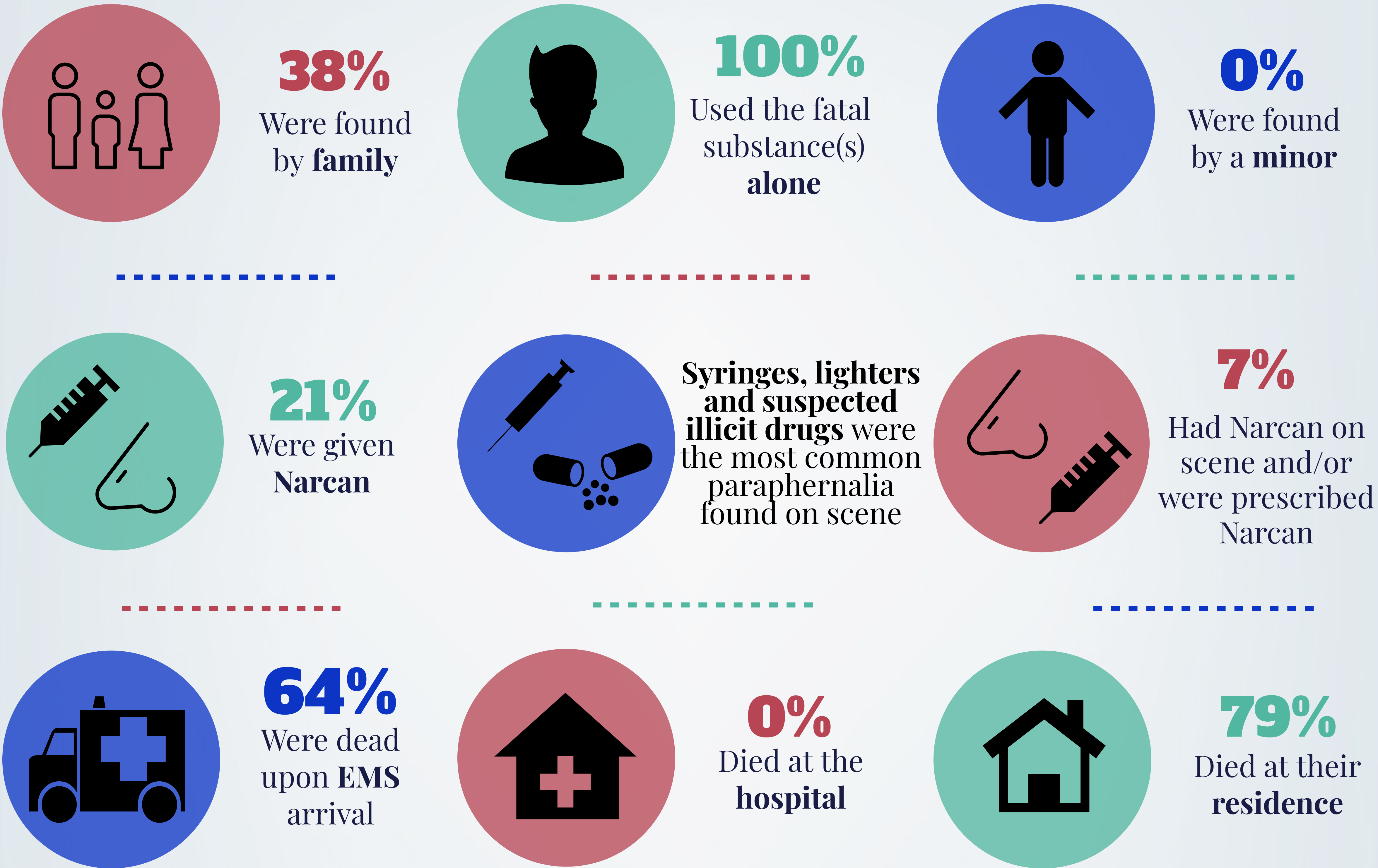
WHO ADMINISTERED NALOXONE?



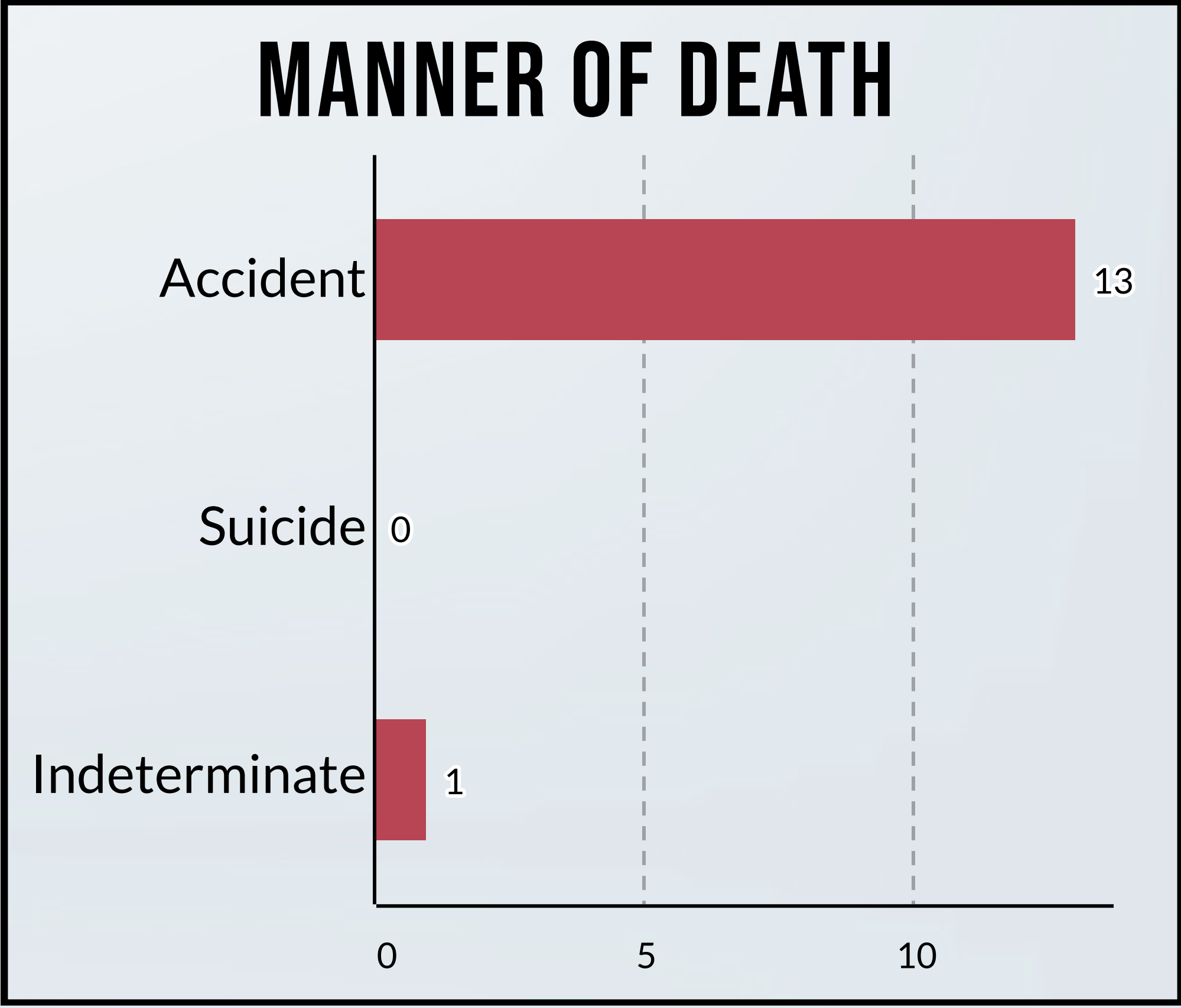
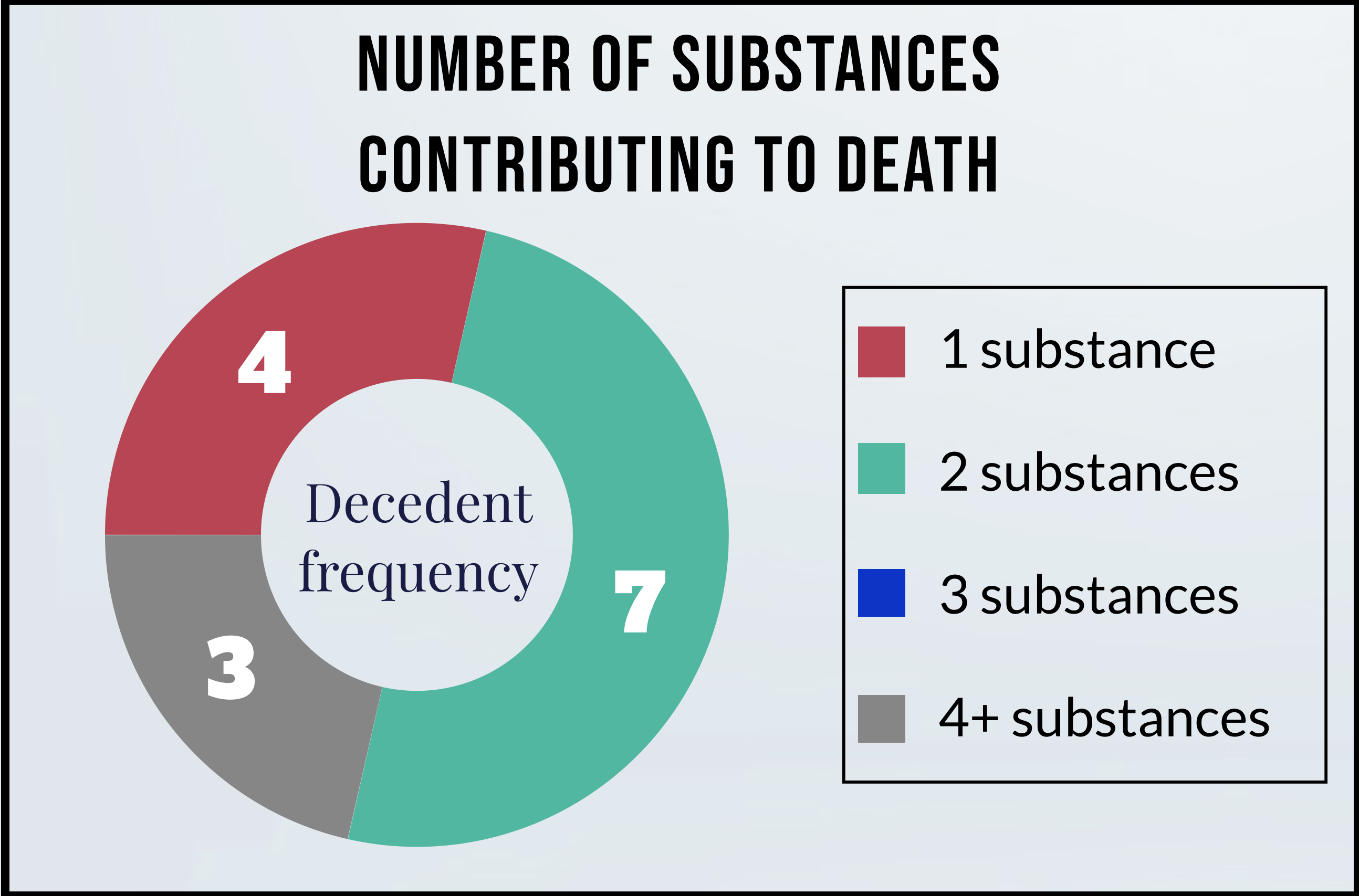
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Death Scene Findings



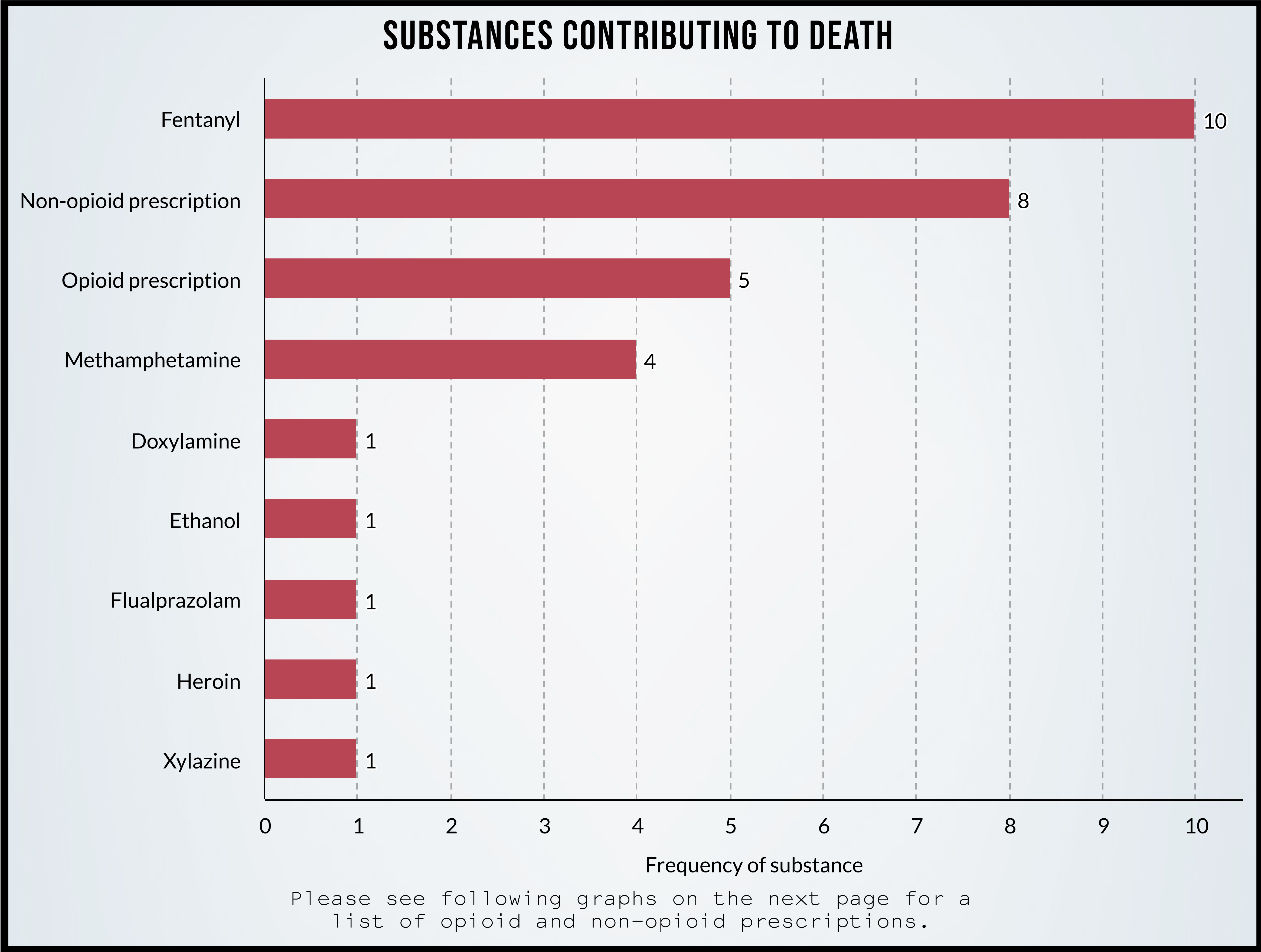
Autopsy and Toxicology Results



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Substance Breakdown



HEROIN & FENTANYL

- 1 decedent had heroin in their toxicology
- This decedent also had fentanyl in their toxicology

XYLAZINE & FENTANYL

- 1 decedent had xylazine in their toxicology
- This decedent also had fentanyl in their toxicology

BENZODIAZEPINES & OPIOIDS

- 4 decedents had a benzodiazepine and an opioid in their toxicology
- 2 decedents were prescribed that opioid and benzodiazepine

METHAMPHETAMINE & OPIOIDS

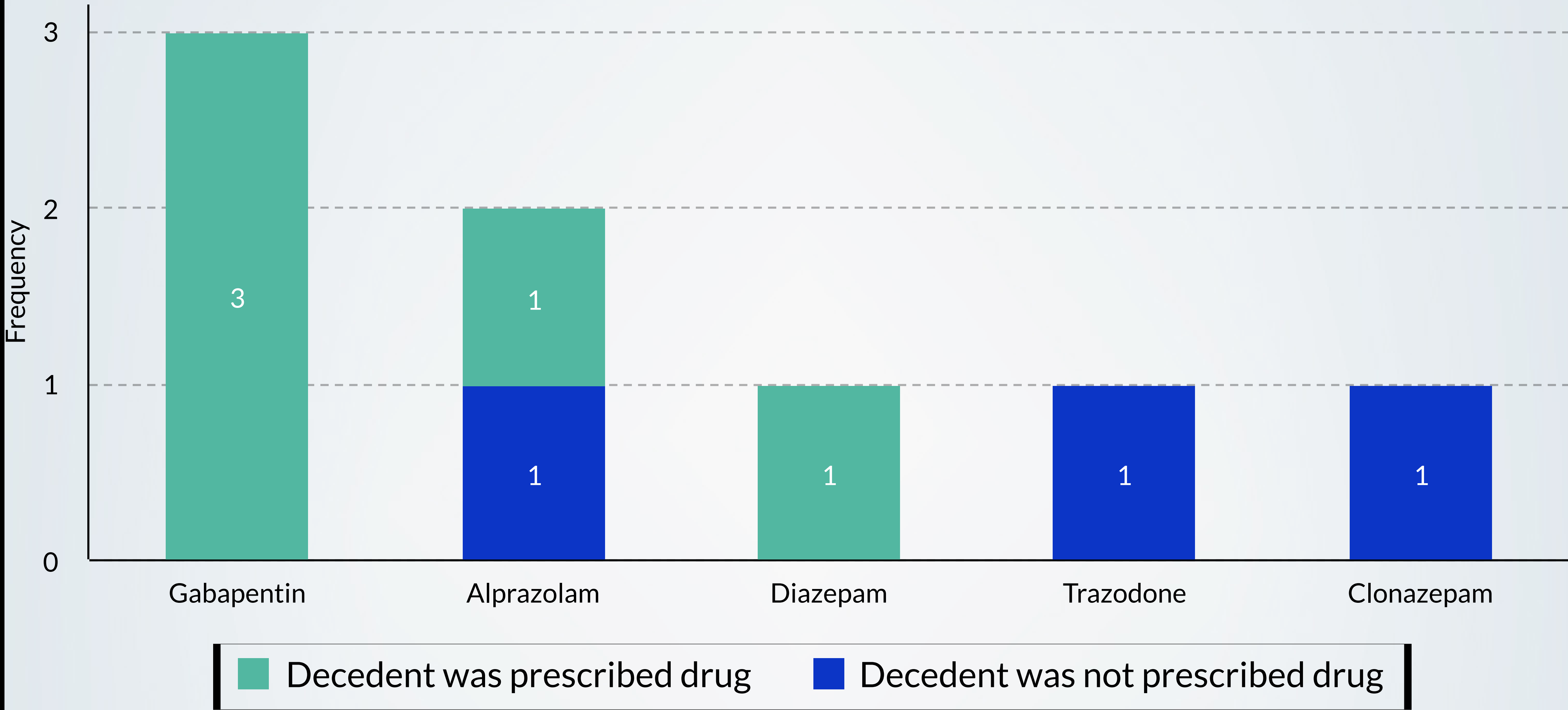
- 1 decedent had methamphetamine and opioid(s) in their toxicology
- 0 decedents had methamphetamine and heroin in their toxicology

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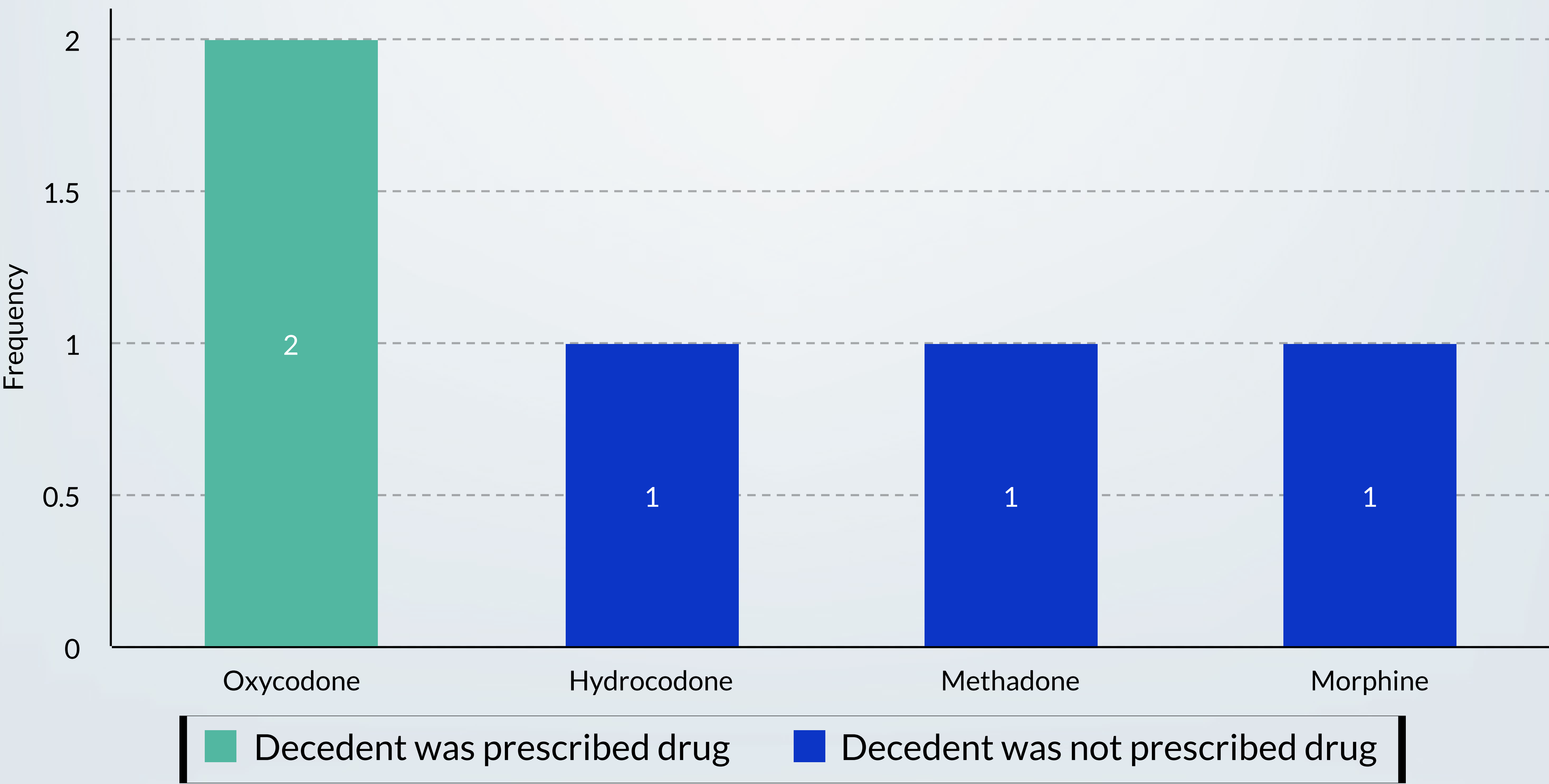
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Autopsy and Toxicology Results, cont.

NON-OPIOID PRESCRIPTIONS PRESENT IN TOXICOLOGY



OPIOID PRESCRIPTIONS PRESENT IN TOXICOLOGY



Note: Of the 8 decedents with fentanyl present in their toxicology, 1 was prescribed fentanyl