

North Dakota Drug Overdose Death Reporting

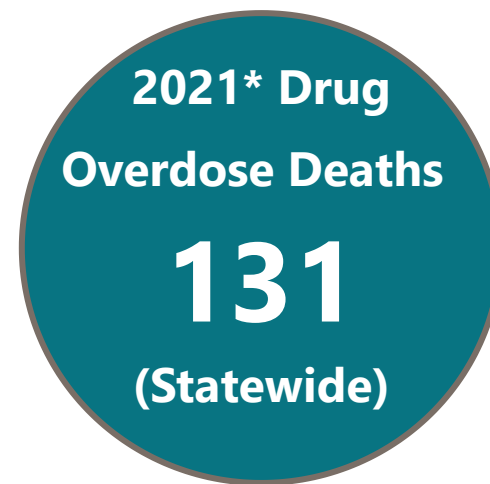
Data Notes: Finalized Data for 2019 and 2020

*Preliminary Data for 2021 and 2022

Numbers represent both ND residents and Out-of-State residents where the initial injury occurred in ND

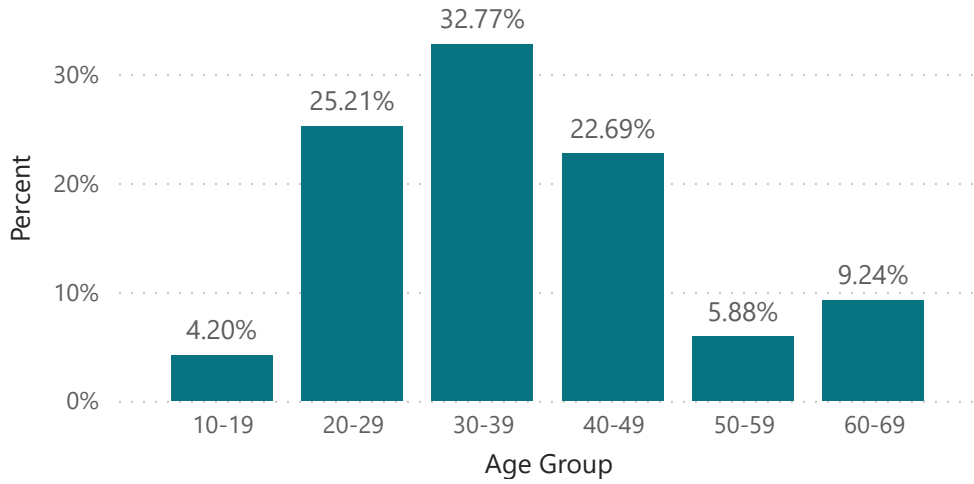
Data Source: ND Department of Health & Human Services

Last Updated: February 9, 2023



ND Drug Overdose Death Demographics

Drug Overdose Deaths by Age Group

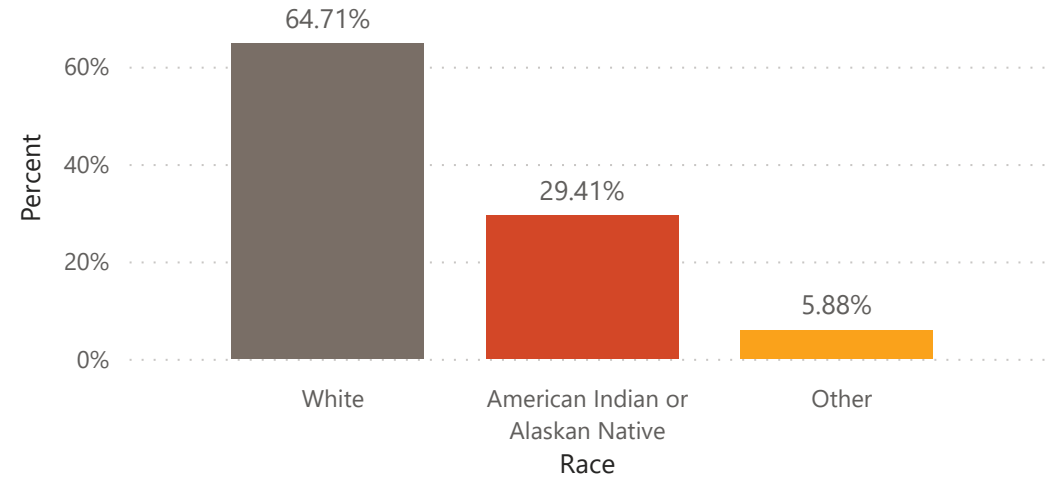


Year

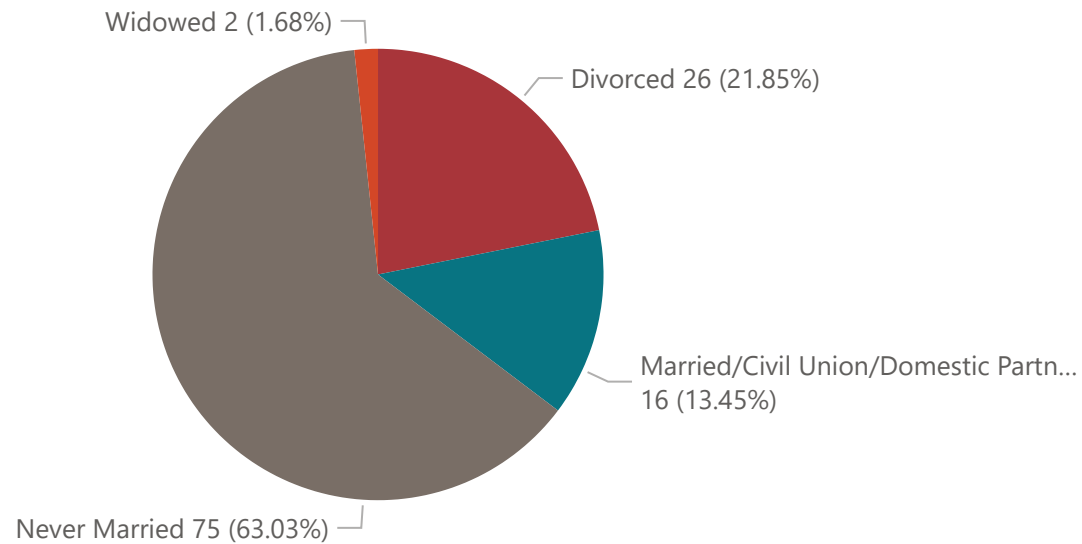
119
Drug Overdose Deaths

37
Average Age

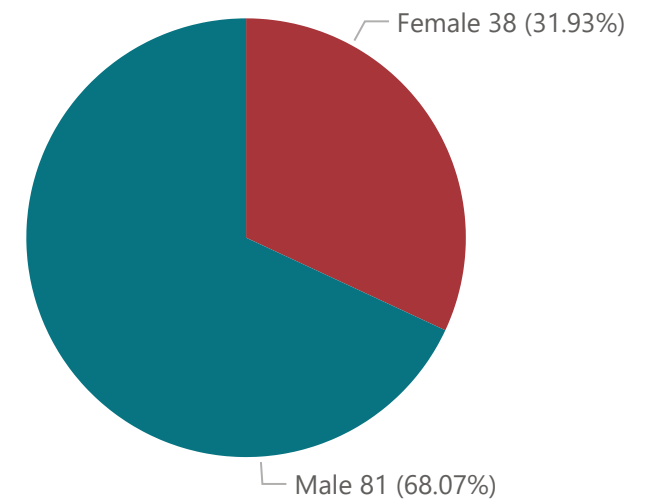
Drug Overdose Deaths by Race



Drug Overdose Deaths Marital Status

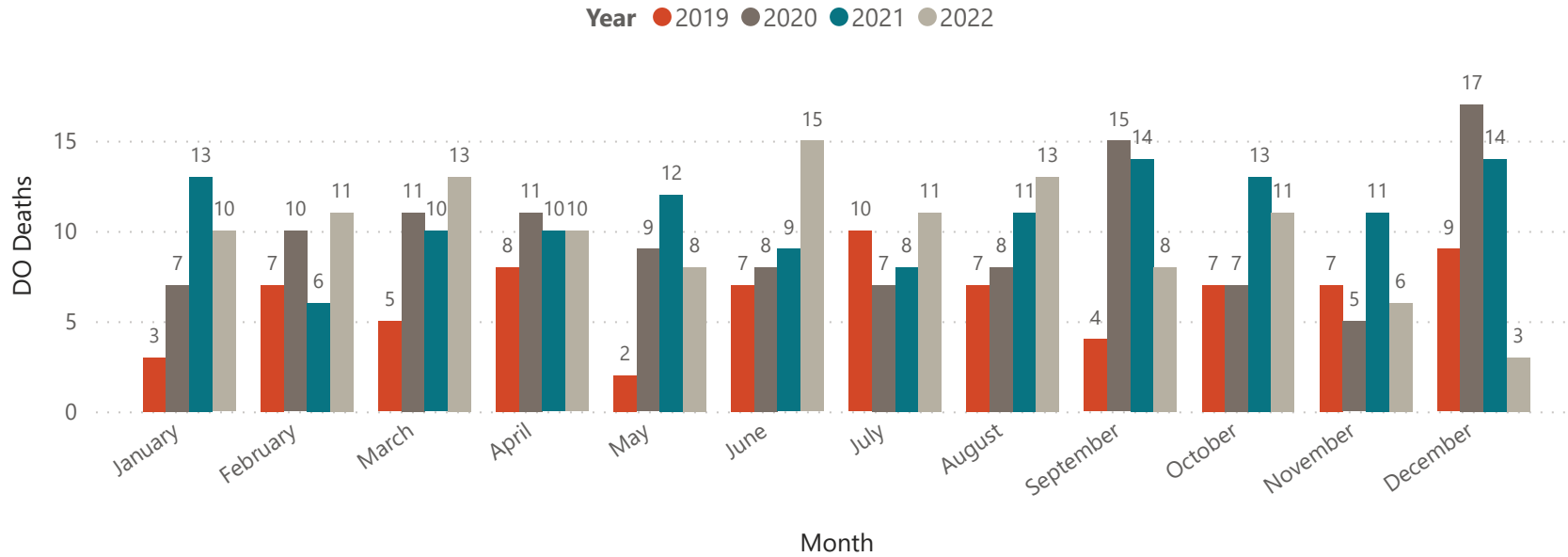


Drug Overdose Deaths Gender

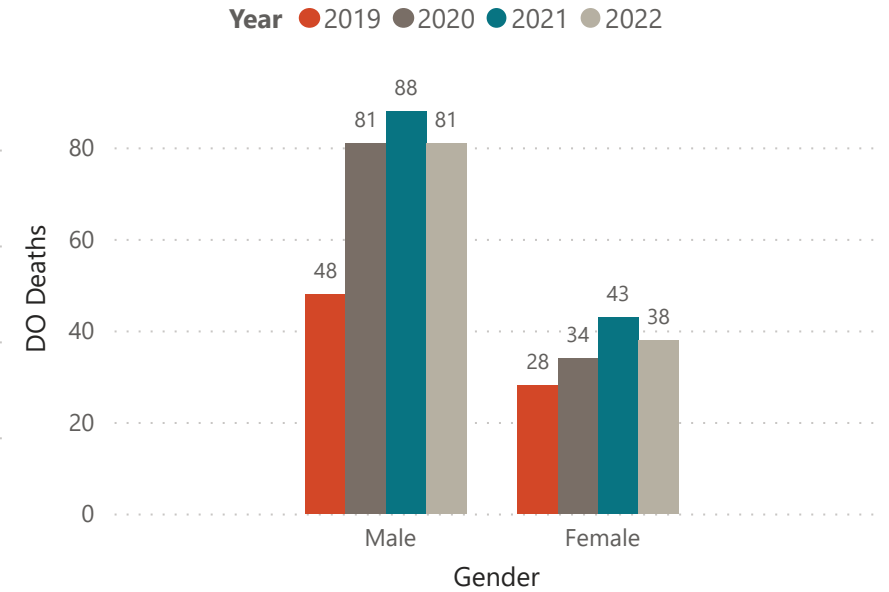


ND Drug Overdose Death Trends

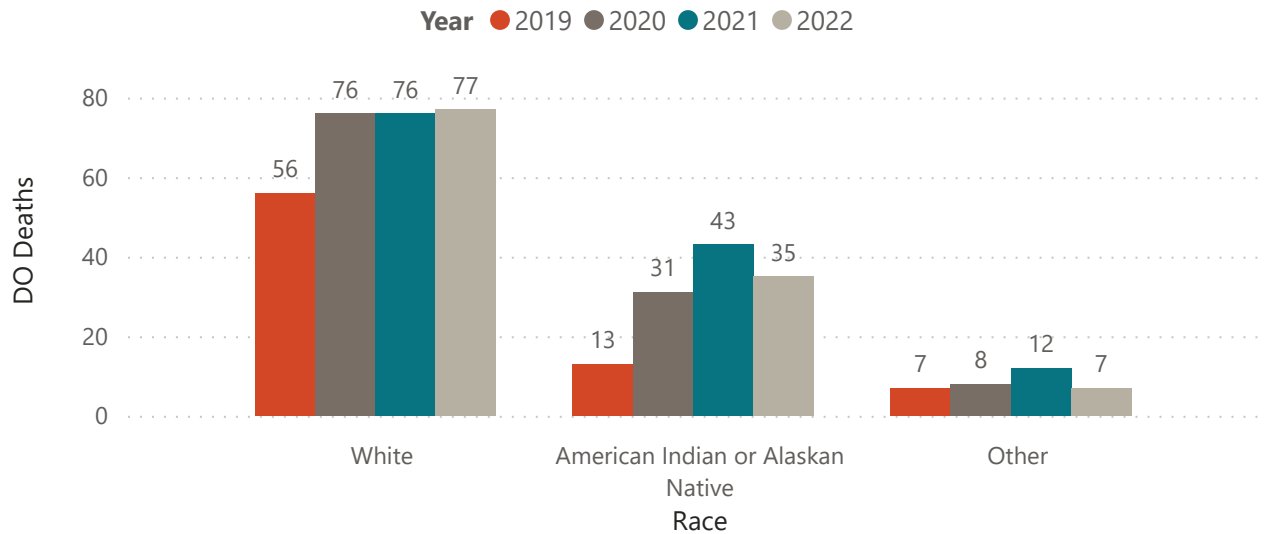
North Dakota Drug Overdose Deaths



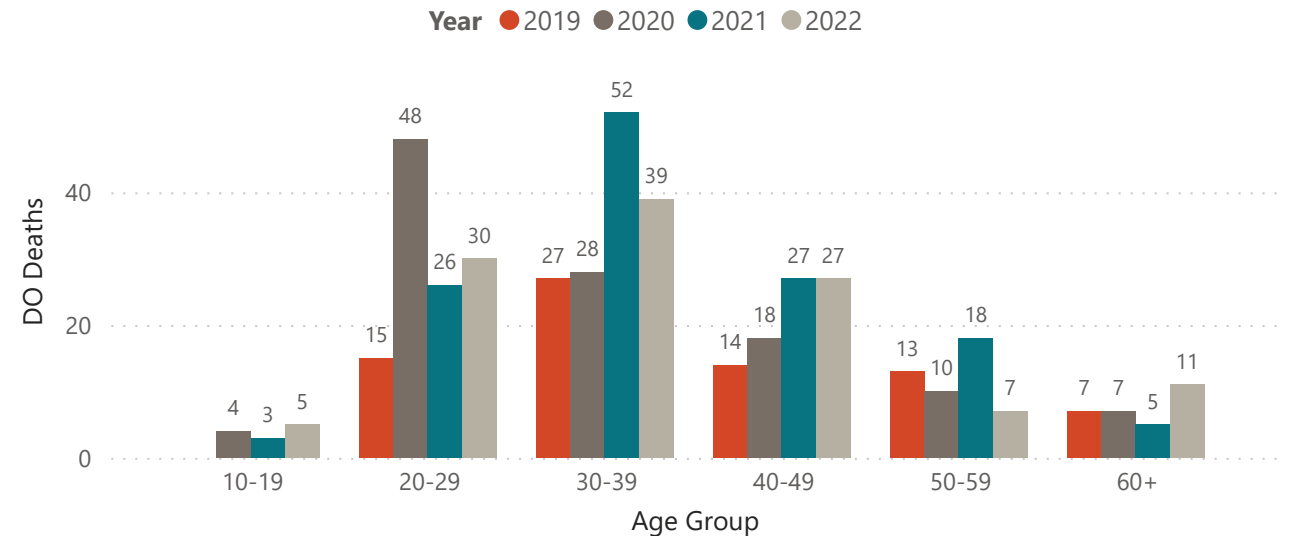
Drug Overdose Deaths Gender



Drug Overdose Deaths by Race



Drug Overdose Deaths by Age Group

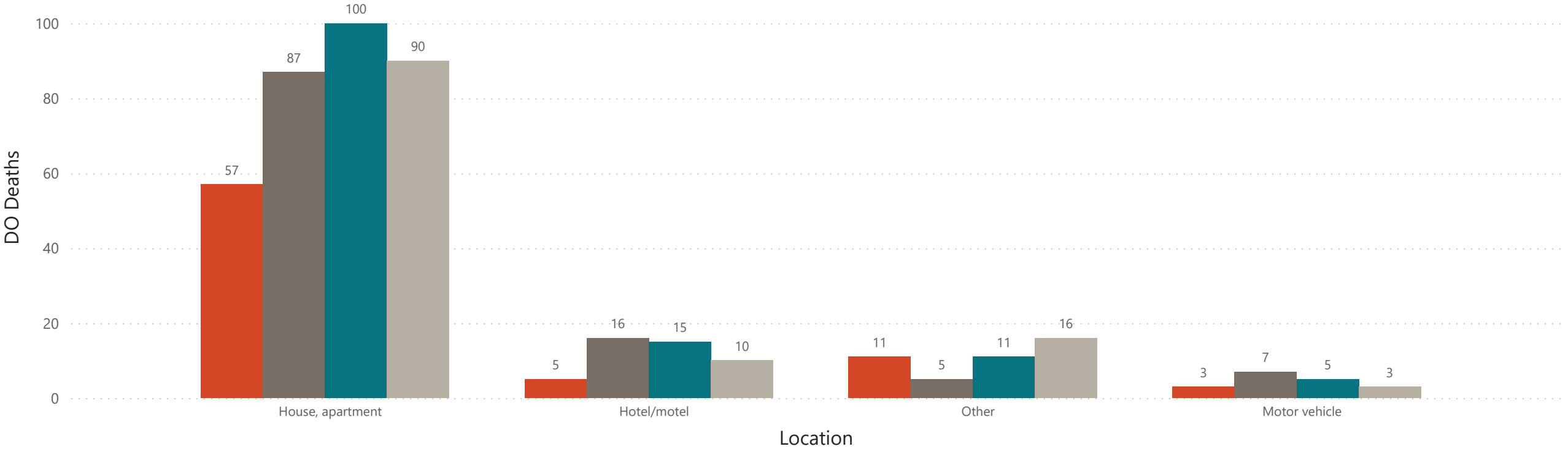


ND Drug Overdose Death Injury Location Type

County

Drug Overdose Deaths by Location Where Injury Occurred

Death Year ● 2019 ● 2020 ● 2021 ● 2022



Race

Select all American Indian or Alaskan Native Other White

Sex

Select all Female Male

Age Group

Select all 10-19 20-29 30-39 40-49 50-59 60+

ND Drug Overdose Death Location

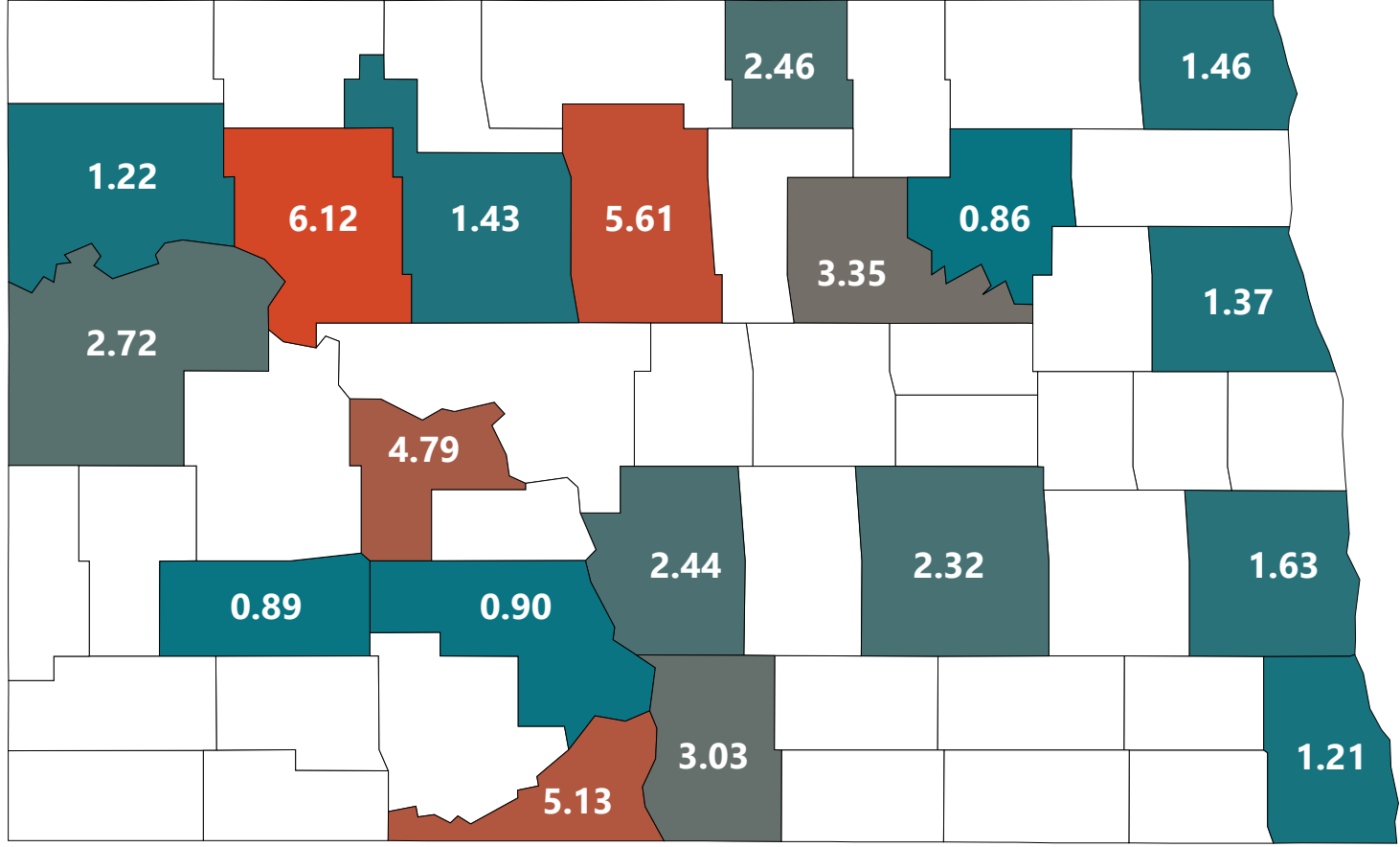
Year

119
Drug Overdose Deaths

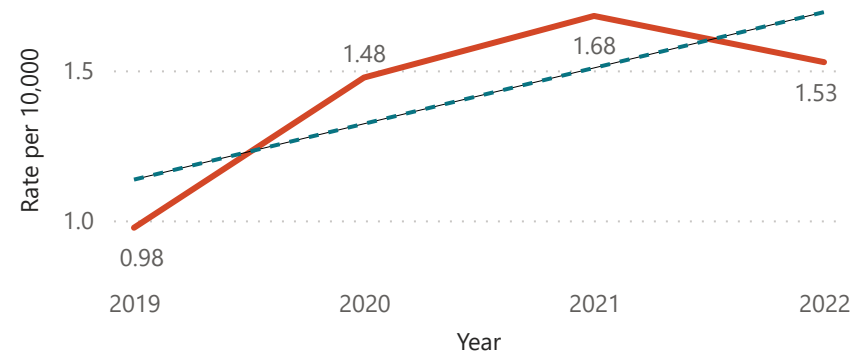
779,094
Population

1.53
Drug Overdose Death Rate per 10,000

Drug Overdose Death Rate per 10,000 by County Where Injury Occurred



Drug Overdose Death Rate per 10,000



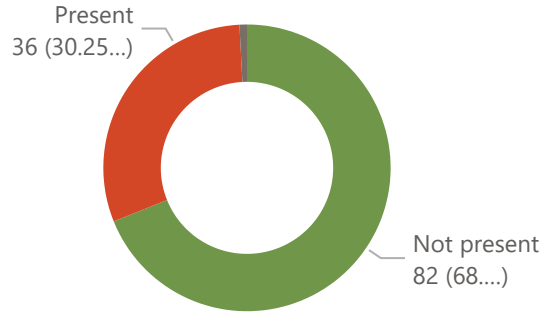
ND Drug Overdose Death Toxicology

0.02
Min of Alcohol BAC

0.44
Max of Alcohol BAC

0.10
Median of Alcohol BAC

Alcohol Involvement



Year
2022

Toxicology Trends

82
Fentanyl Present

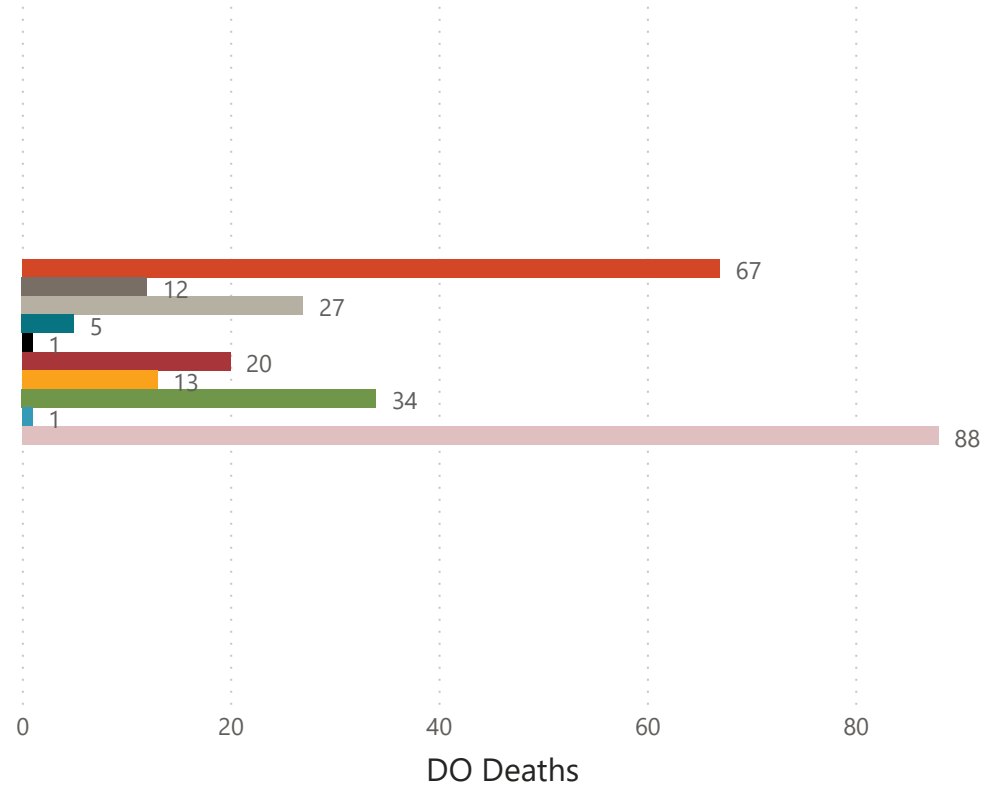
29
Fentanyl & Meth Present

1
Xylazine Present

119
Drug Overdose Deaths

Toxicology Present in Drug Overdose Deaths

- Amphetamines
- Anticonvulsants
- Antidepressants
- Antipsychotics
- Barbiturates
- Benzodiazepines
- Cocaine
- Marijuana
- Muscle Relaxants
- Opiates



0.02%: This is the lowest level of intoxication with some measurable impact on the brain and body.
0.05%: At this level behavior will become exaggerated with impaired judgement and reduction in coordination. Inhibitions will be lowered causing one to potentially engage in risky behaviors.
0.08%: This is the current legal limit in the ND that it is considered illegal and unsafe to drive.
0.10%: At this level, reaction time and control will be reduced, speech slurred, thinking and reasoning are slower and coordination of arms and legs is poor.
0.15%: This is a very high level with much less control over balance and voluntary muscles so walking and talking are difficult. May fall and vomiting begins.
0.20%: Stupor, confusion, feeling dazed and disorientation are common. Standing and walking may require help and sensations of pain decrease. Blackouts begin at this level as well as choking/aspiration on vomit.
0.30%: At this level, you may be unconscious and potential for death increases along with loss of understanding, increased heart rate, loss of bladder control.
0.40% and over: This level may put you in a coma or cause sudden death because your heart or breathing will suddenly stop.

Race

- Select all
- American Indian or Alaskan Native
- Other
- White

Sex

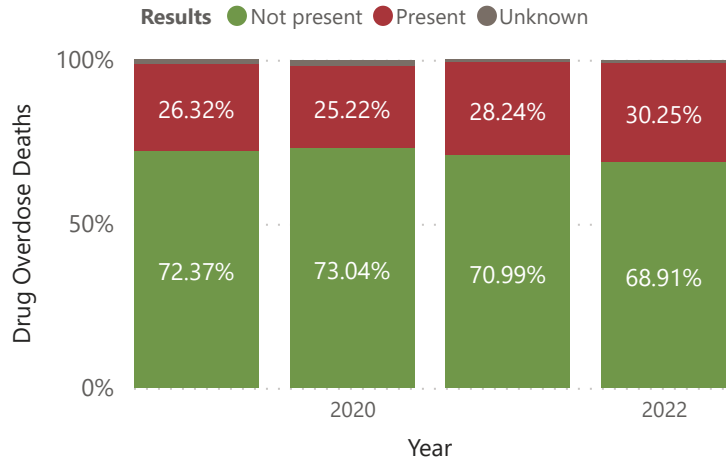
- Select all
- Female
- Male

Age Group

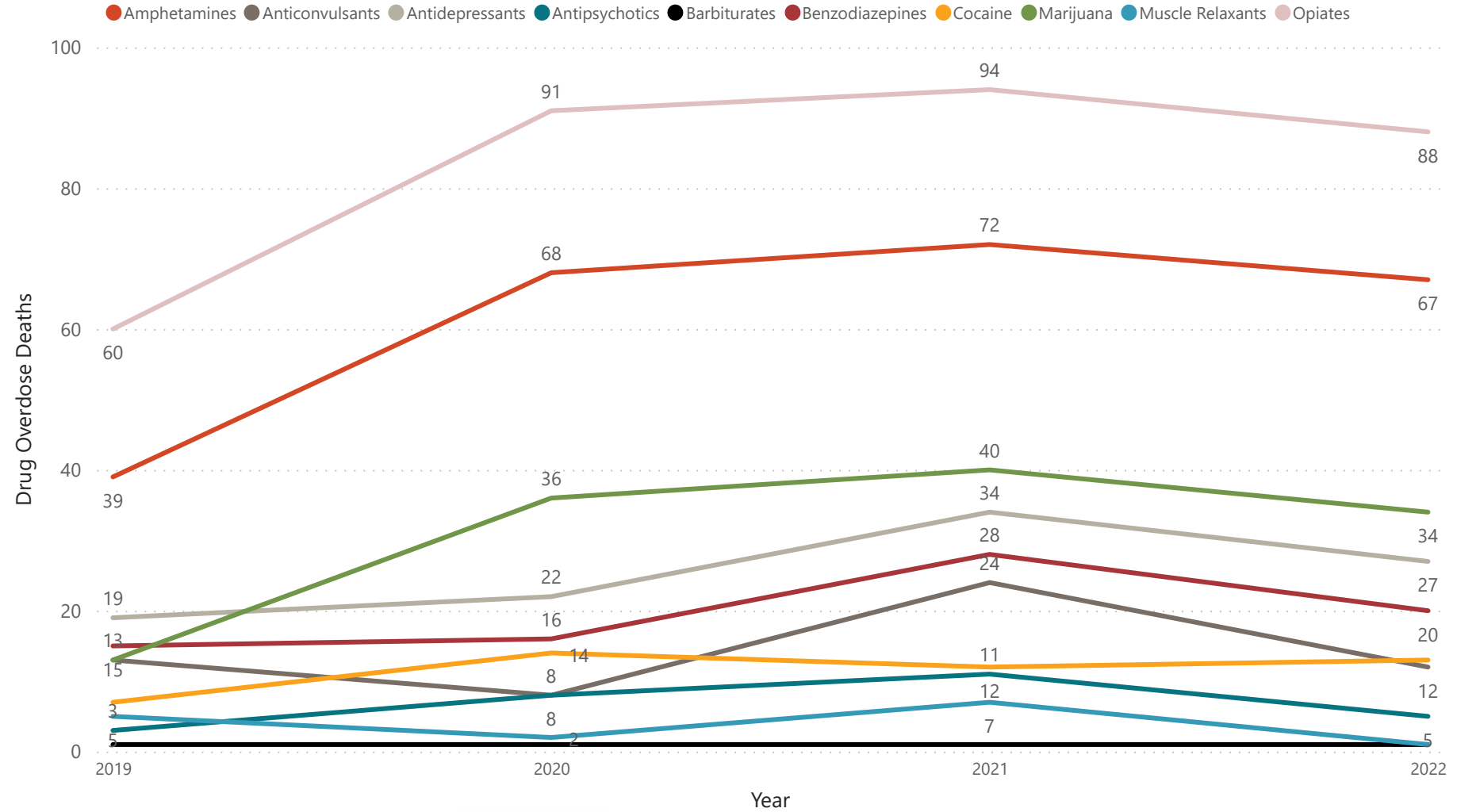
- Select all
- 10-19
- 20-29
- 30-39
- 40-49
- 50-59
- 60+

ND Drug Overdose Death Toxicology Trends

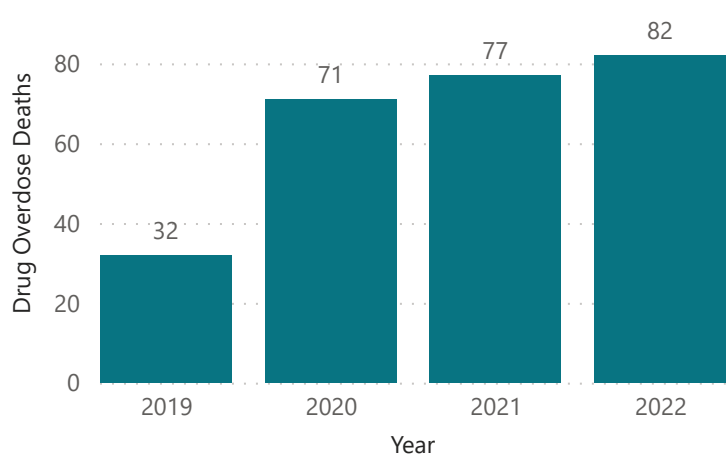
Alcohol Involvement by Year



Toxicology Present in Drug Overdose Deaths



Fentanyl Related Deaths by Year



Race

- Select all
- American Indian or Alaskan Native
- Other
- White

Sex

- Select all
- Female
- Male

Age Group

- Select all
- 10-19
- 20-29
- 30-39
- 40-49
- 50-59
- 60+

North Dakota ESSENCE Data Information

The Electronic Surveillance System for the Early Notification of Community-Based Epidemics (ESSENCE), captures syndromic surveillance data from hospitals in the State. This includes data from all acute care and critical access hospitals. This data consists of emergency department, urgent care and walk-in-clinic visit information. The purpose is to capture and analyze health-indicator data to identify abnormal health conditions, events, and enable early detection of outbreaks.

The data provided on the "Attempts" page was obtained from the ND ESSENCE. Please note the caveats of this data:

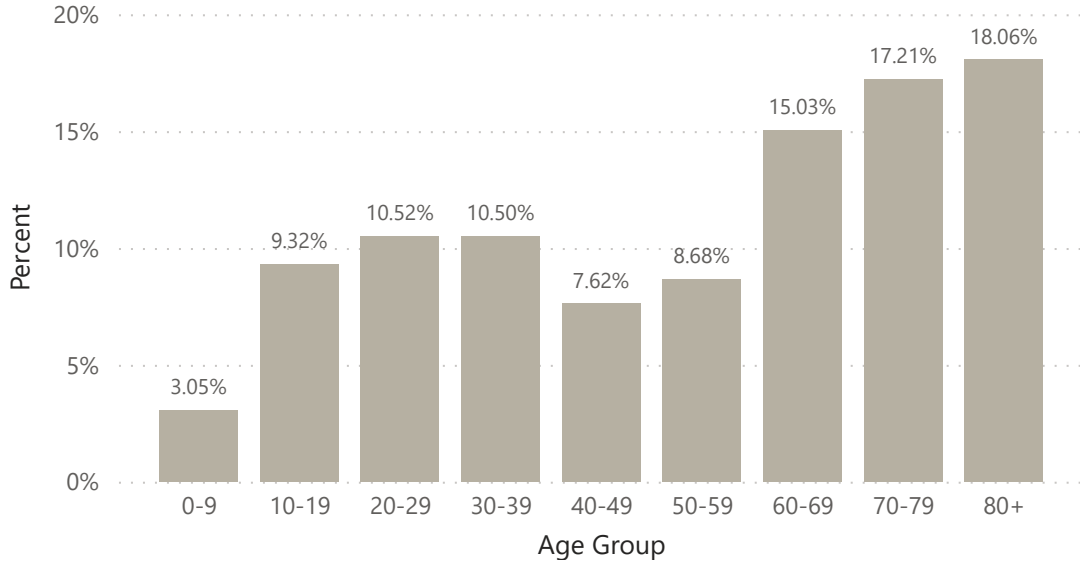
1. These numbers represent a syndrome definition that utilizes both ICD-10 codes and chief complaint which looks for key words. These **should not** be considered a true "number of cases." Syndromes may also contain "noise" meaning that the syndrome data may count actual non-related events.
2. NOT every hospital submits both ICD and chief complaint so some visits may be missing.
3. Some hospitals only submit data on ND residents. Transient populations may not be included; therefore, underestimating the impact.
4. Increase in number may be due to actual increases or it may be due to increase in number of facilities participating.



Back

ESSENCE Data - All Drugs

All Drug Overdoses by Age Group



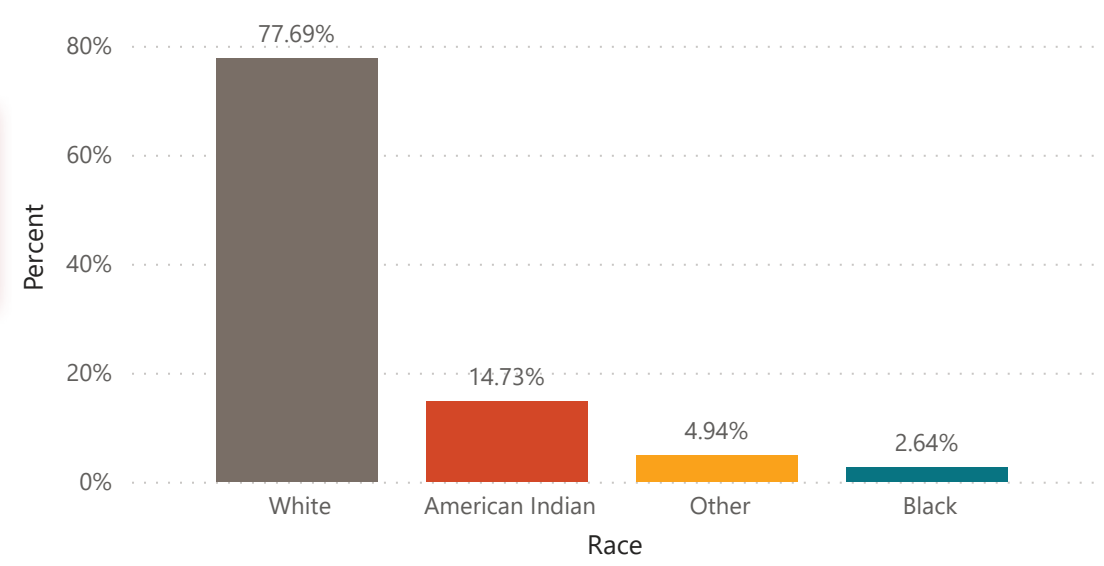
Year

All Drug
4733
Overdoses

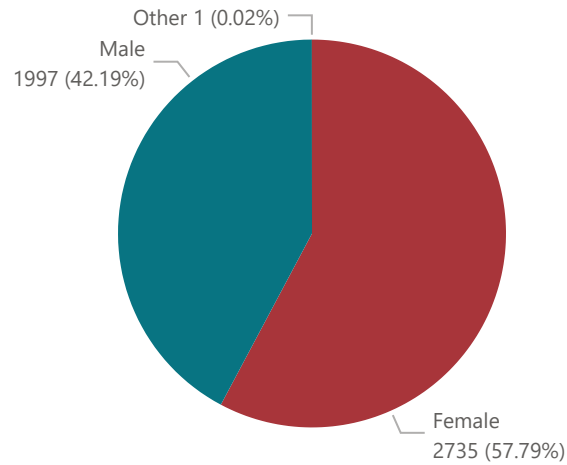
54
Average Age

Information

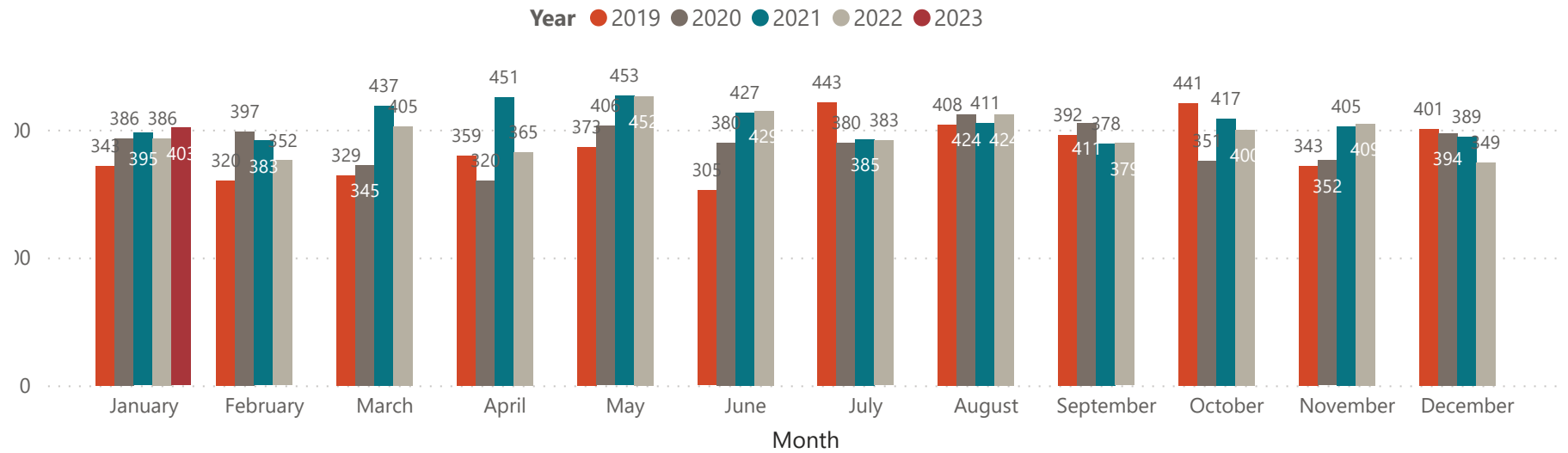
All Drug Overdoses by Race



All Drug Overdoses Gender

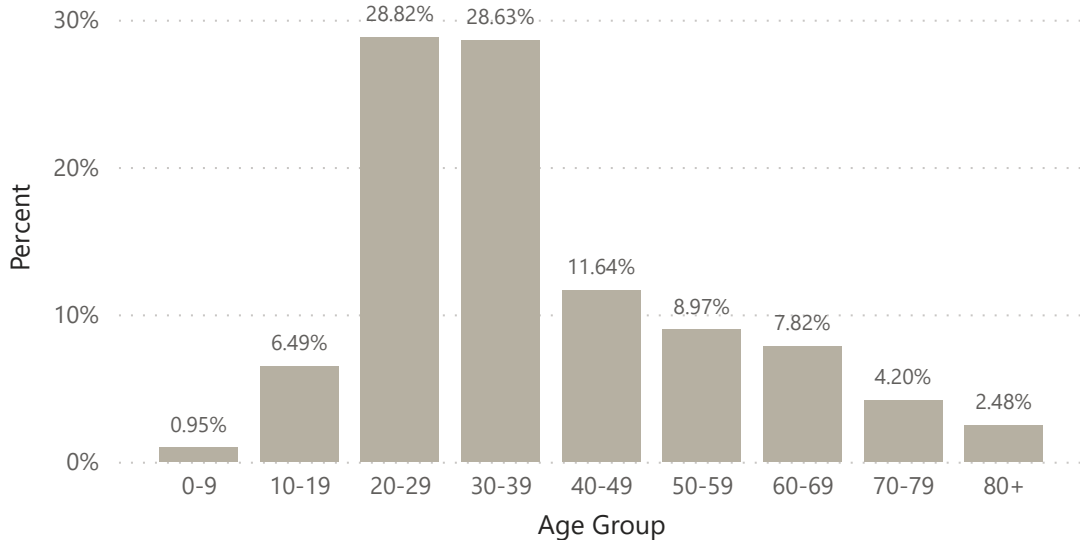


All Drug Overdoses



ESSENCE Data - Opioids

Opioid Overdose by Age Group



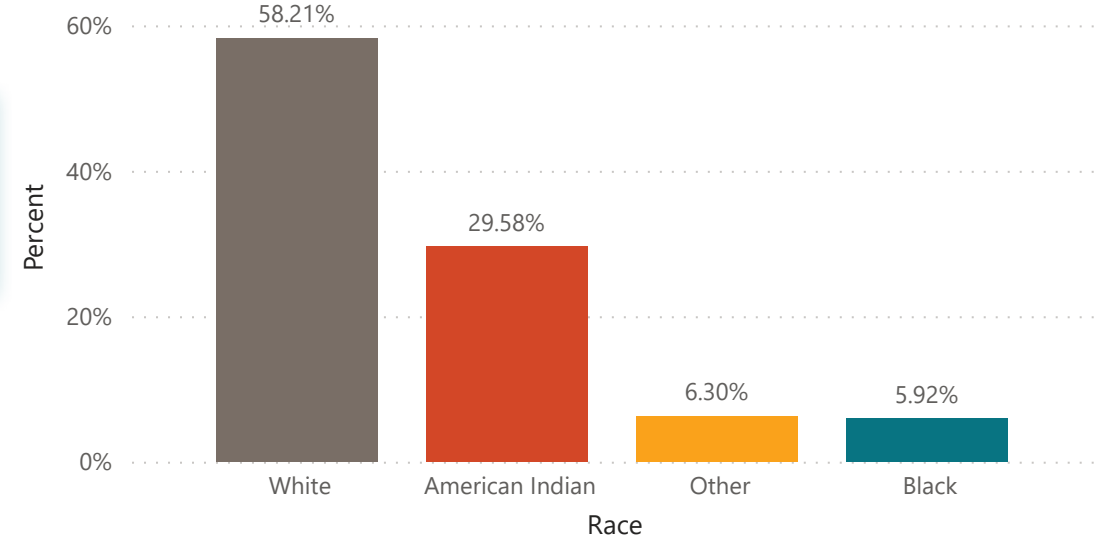
Year

Opioid
524
Overdoses

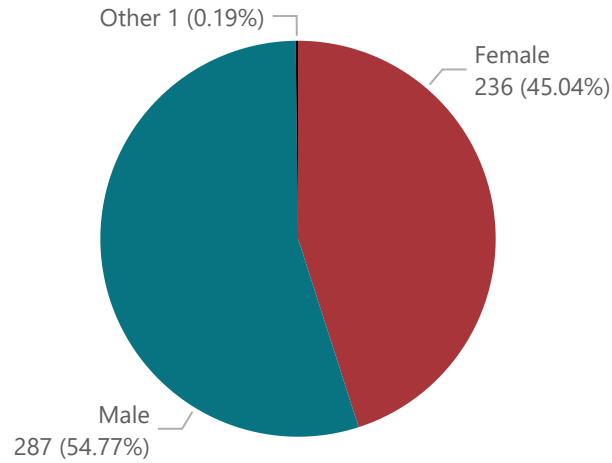
38
Average Age

Information

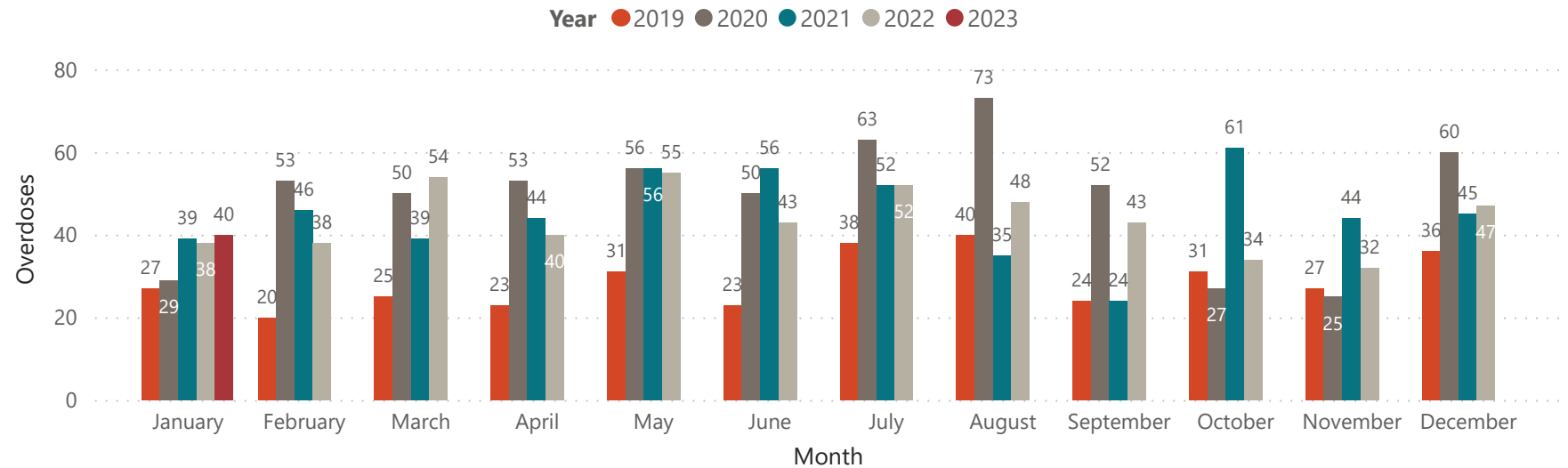
Opioid Overdose by Race



Opioid Overdose Gender

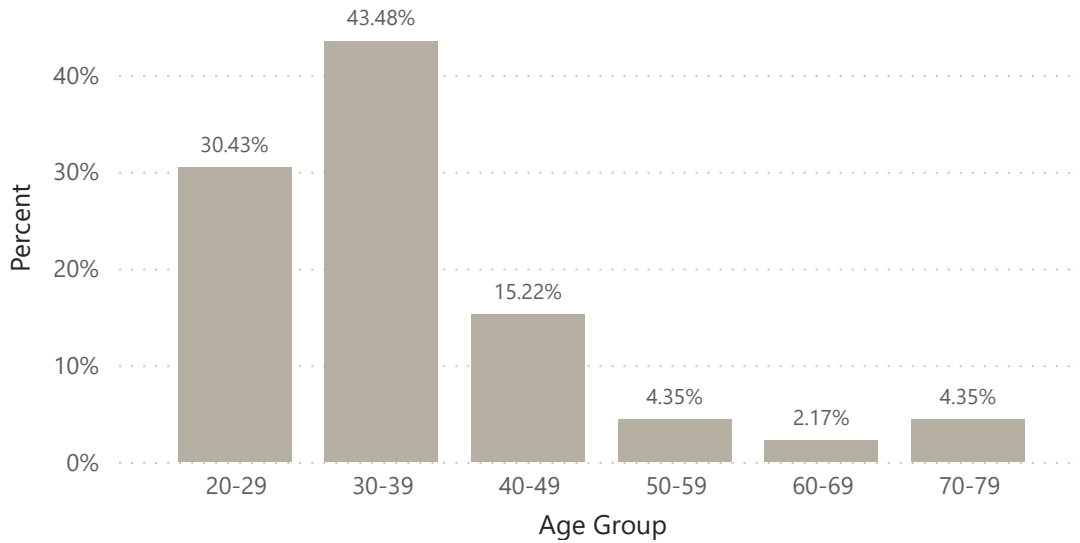


Opioid Overdoses



ESSENCE Data - Heroin

Heroin Overdose by Age Group



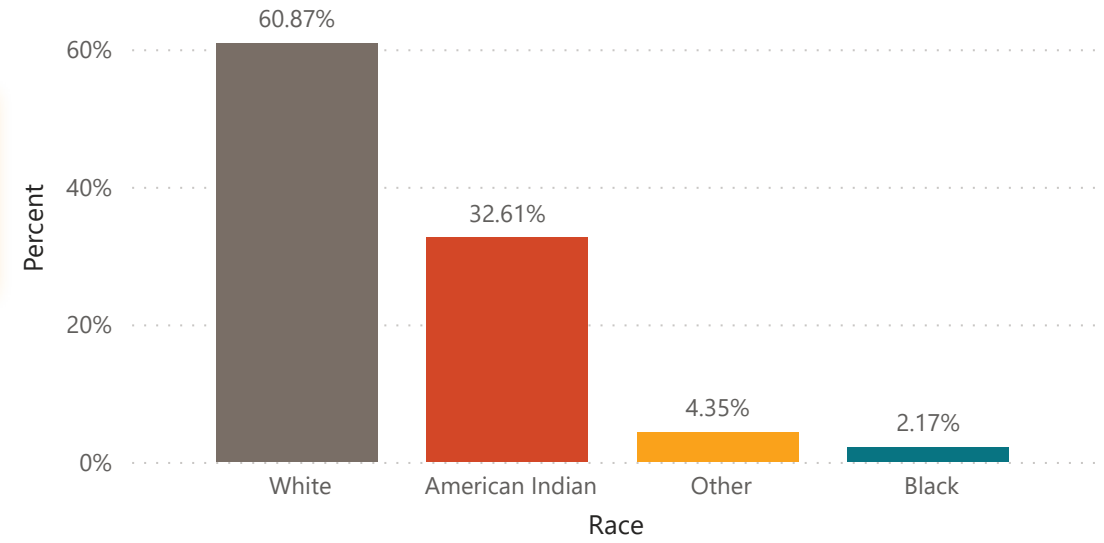
Year
2022

Heroin
46
Overdoses

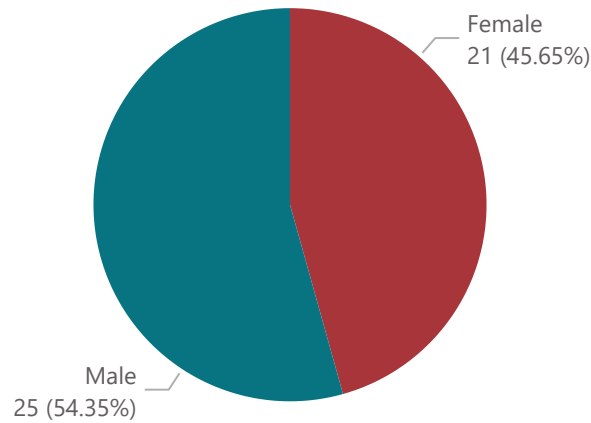
36
Average Age

Information

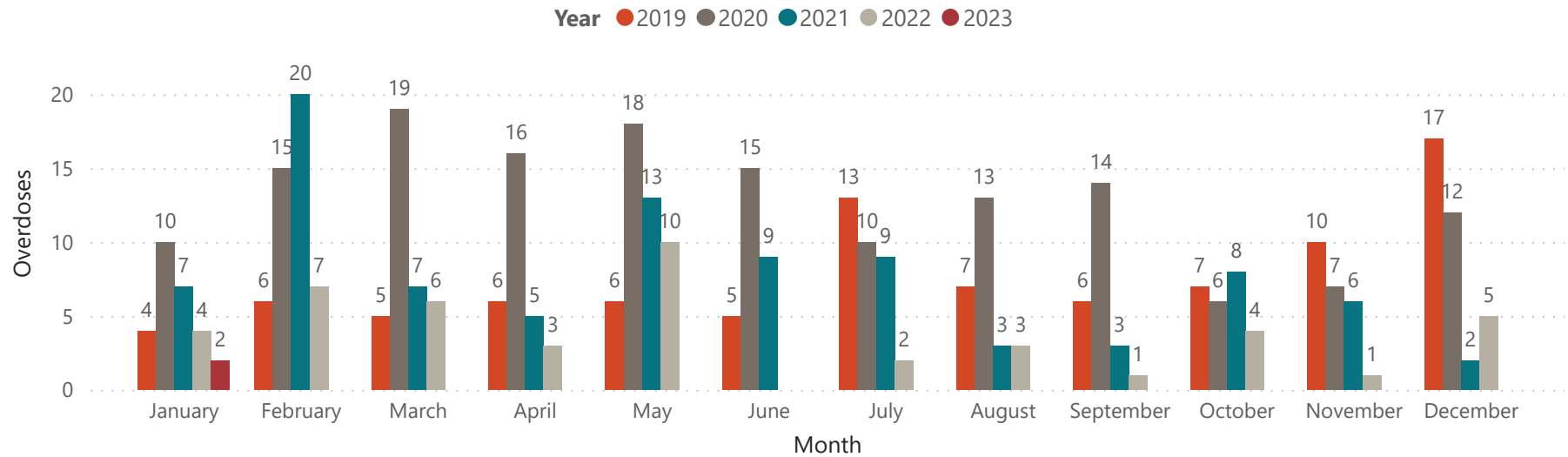
Heroin Overdose by Race



Heroin Overdose Gender

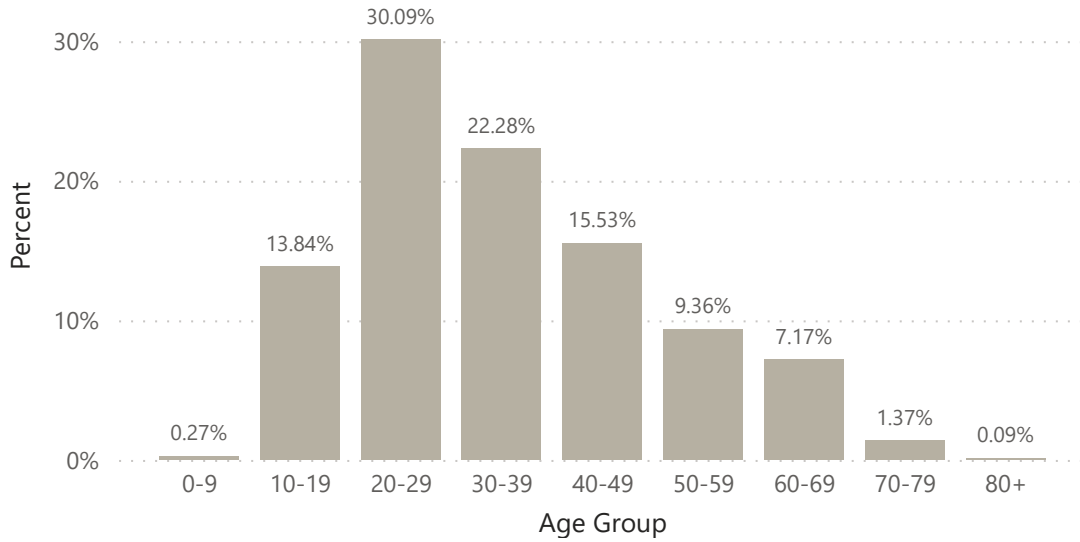


Heroin Overdoses



ESSENCE Data - Marijuana

Marijuana Overdose by Age Group



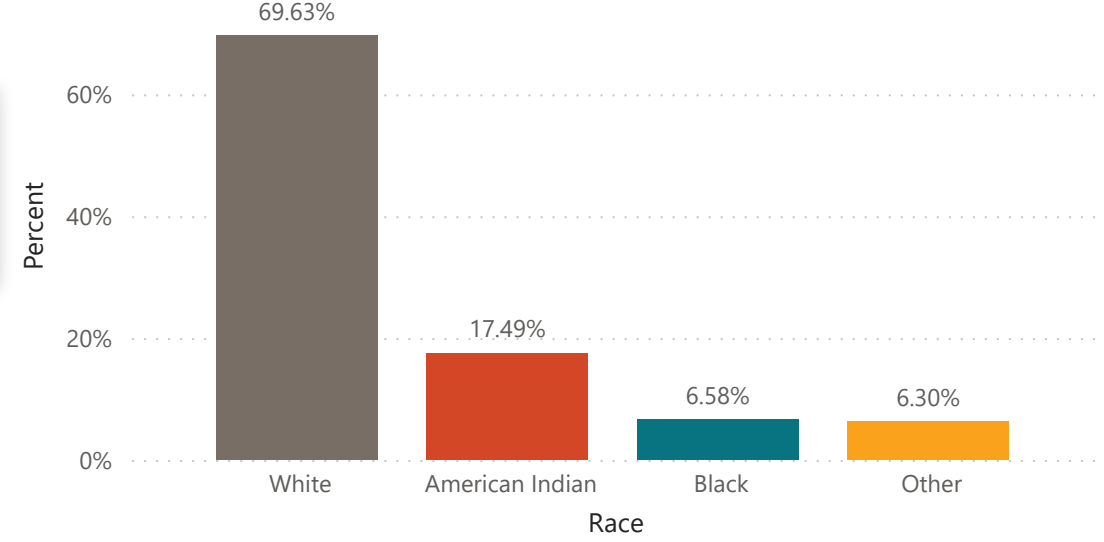
Year

Marijuana
2190
Overdoses

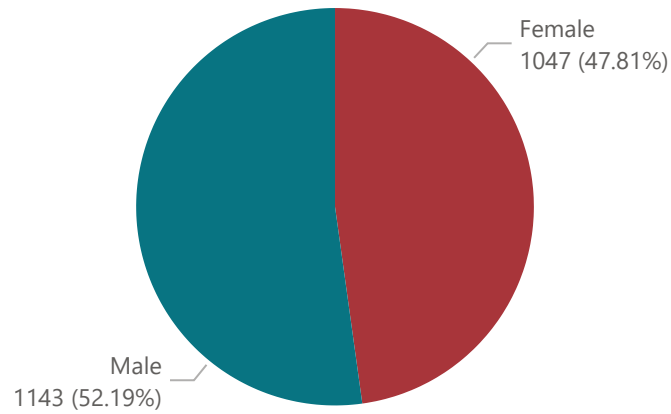
35
Average Age

Information

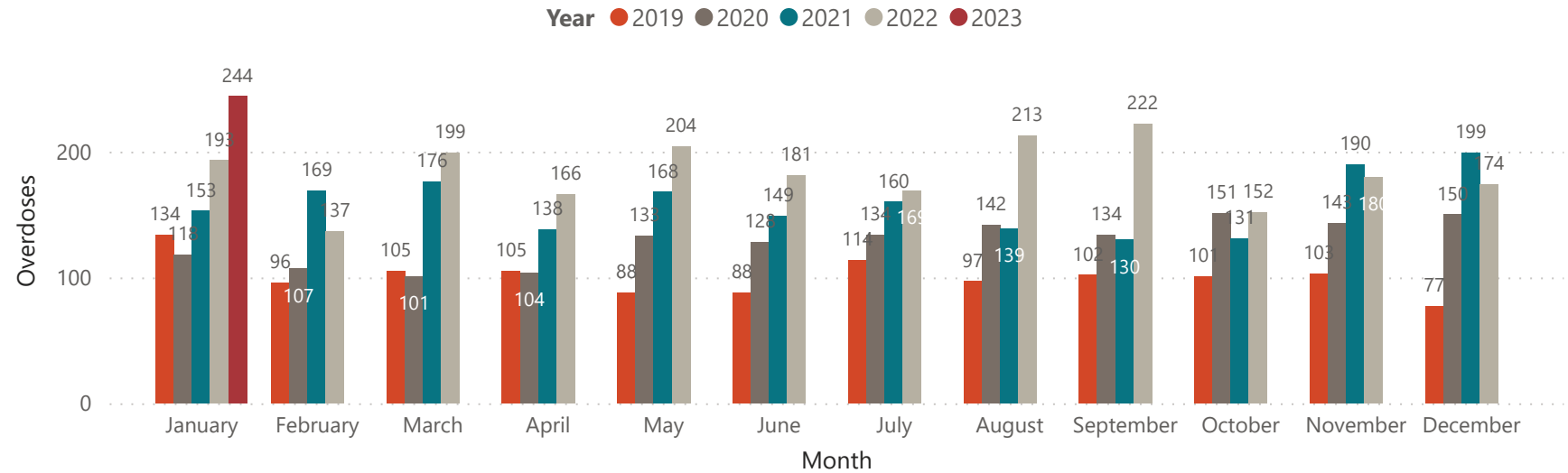
Marijuana Overdose by Race



Marijuana Overdose Gender

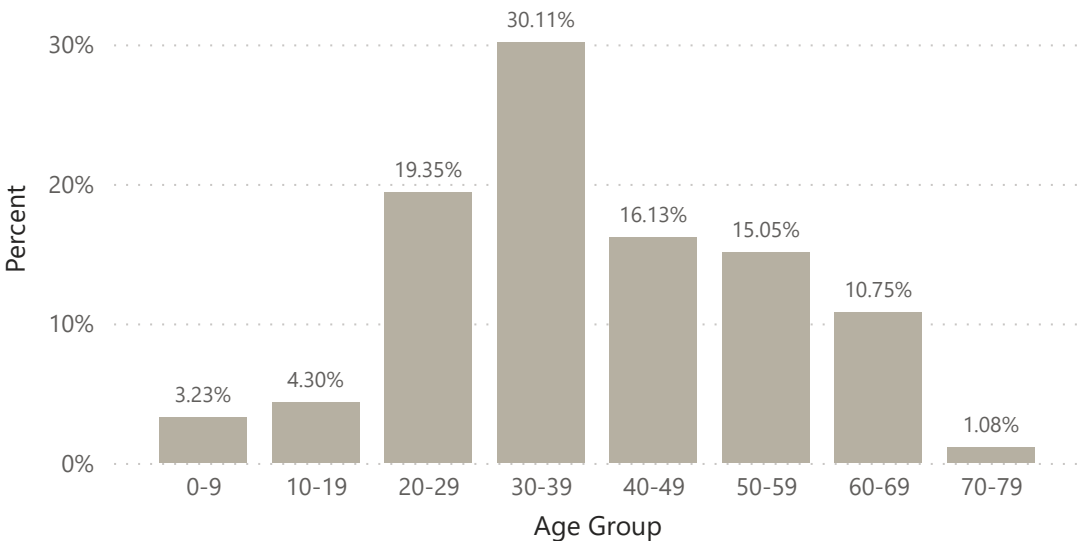


Marijuana Overdoses



ESSENCE Data - Stimulants

Stimulant Overdose by Age Group



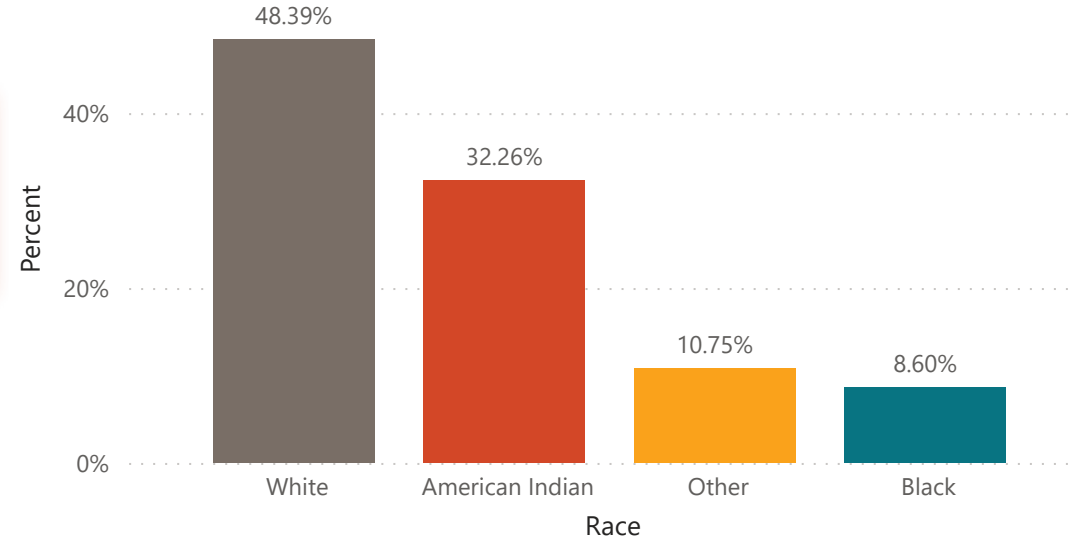
Year

Stimulant
93
Overdoses

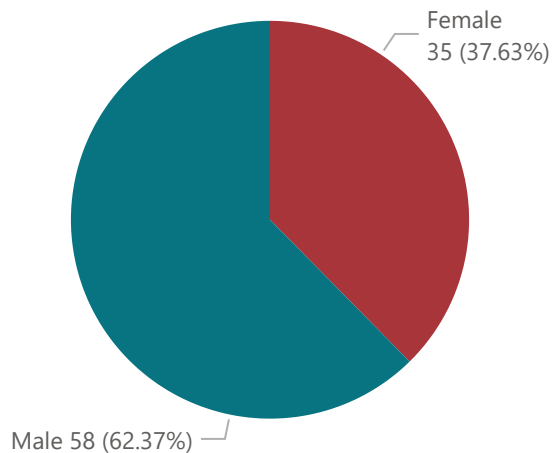
Average Age
34

Information

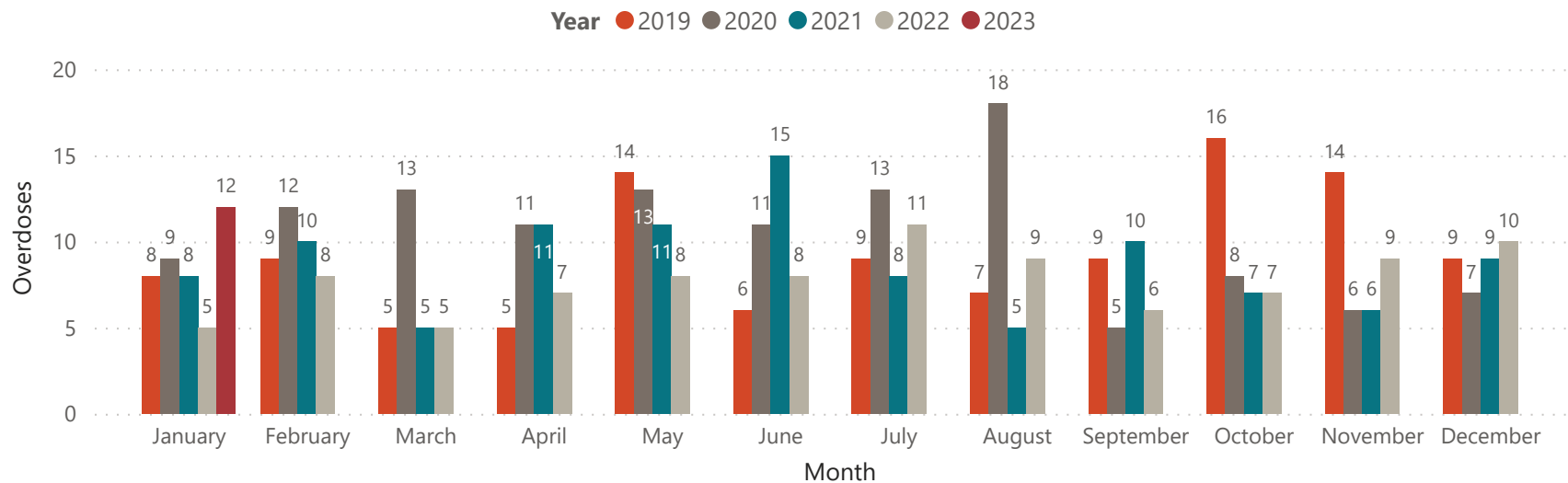
Stimulant Overdose by Race



Stimulant Overdose Gender

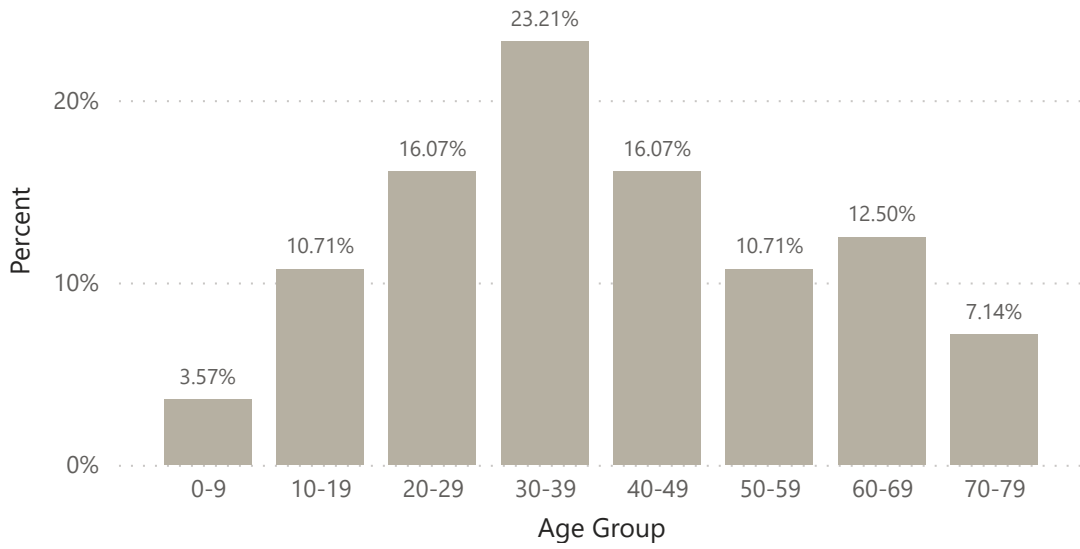


Stimulant Overdoses



ESSENCE Data - Benzodiazepines

Benzodiazepine Overdose by Age Group



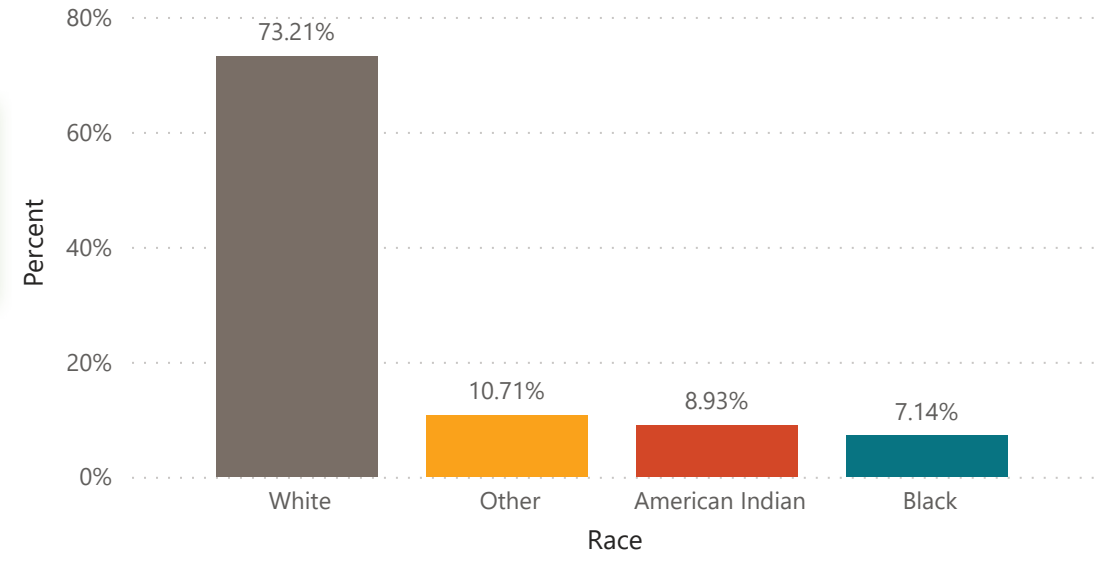
Year

Benzodiazepine
56
Overdoses

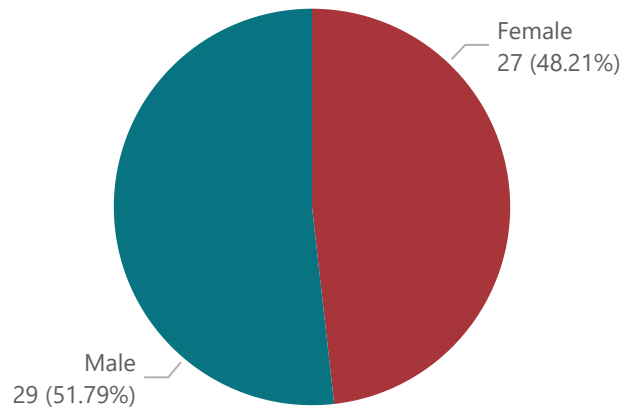
40
Average Age

Information

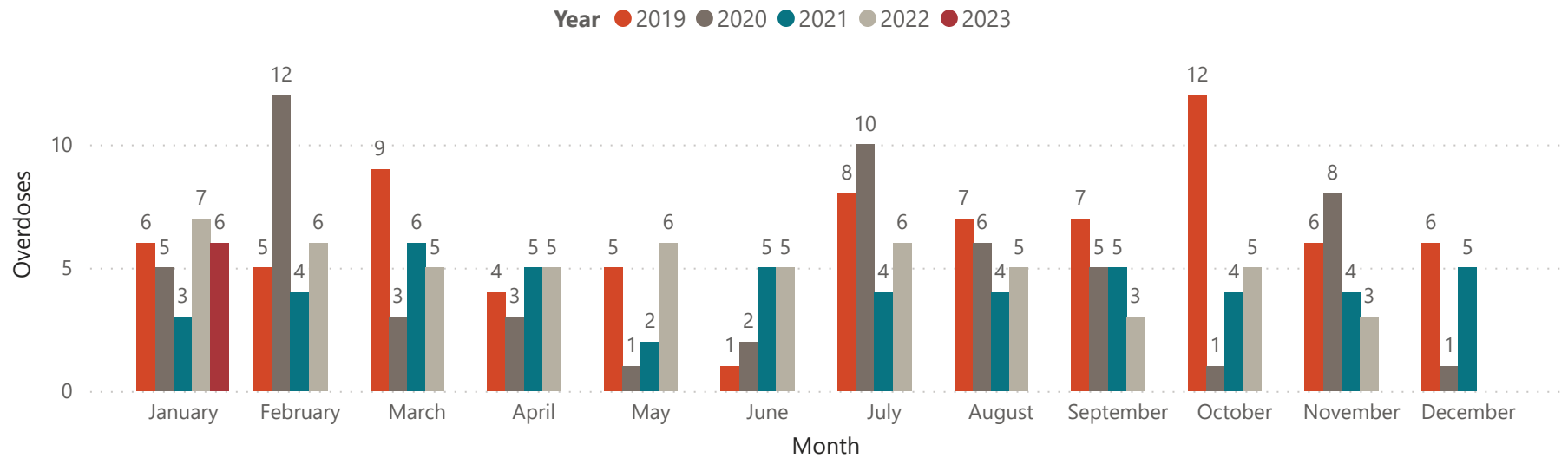
Benzodiazepine Overdose by Race



Benzodiazepine Overdose Gender

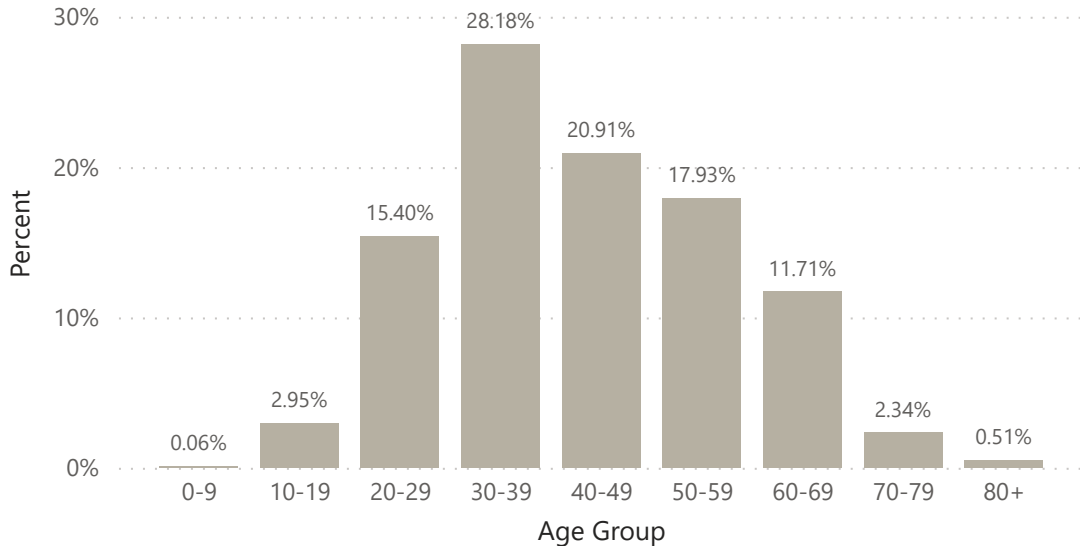


Benzodiazepine Overdoses

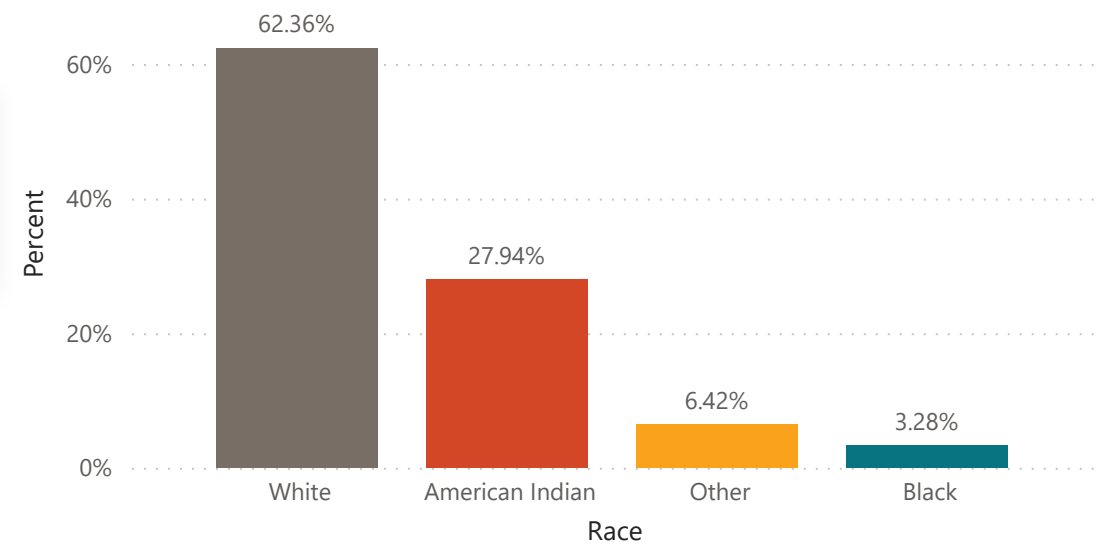


ESSENCE Data - Alcohol

Alcohol Overdose by Age Group



Alcohol Overdose by Race



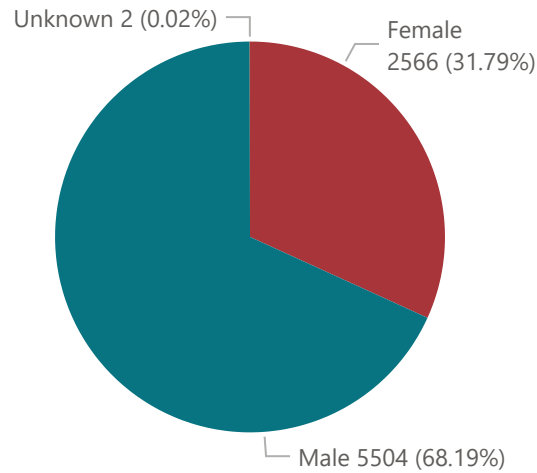
Year

Alcohol
8072
Overdoses

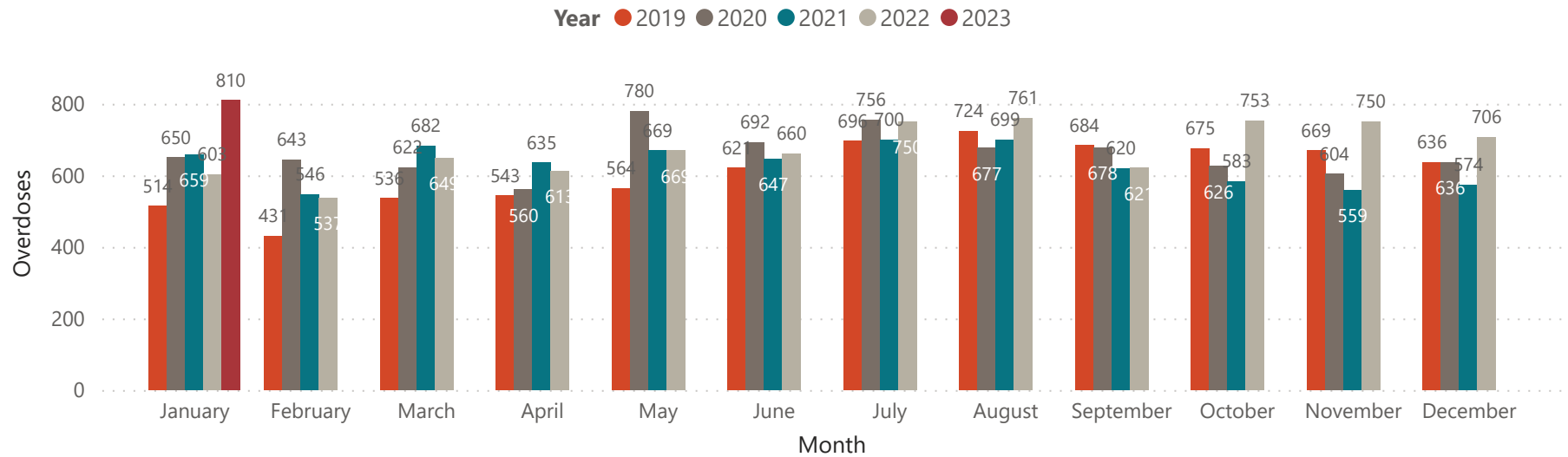
43
Average Age

Information

Alcohol Overdose Gender

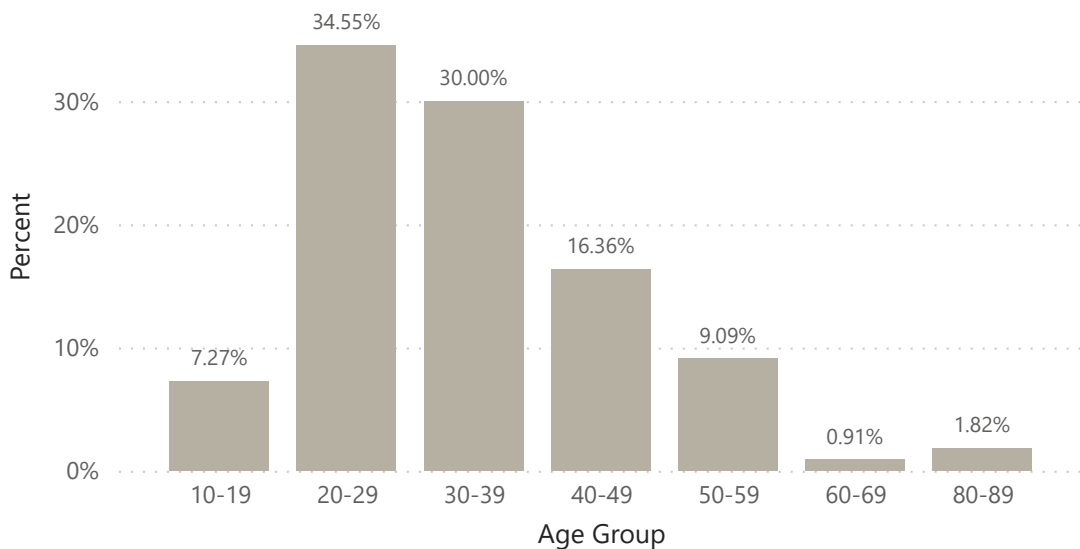


Alcohol Overdoses



ESSENCE Data - Fentanyl

Fentanyl Overdose by Age Group



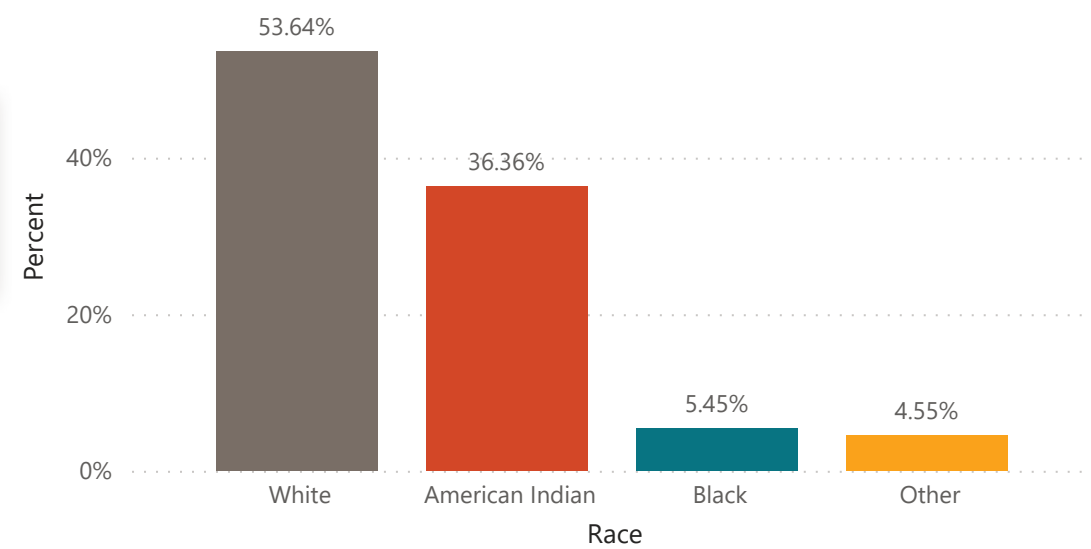
Year

Fentanyl
110
Overdoses

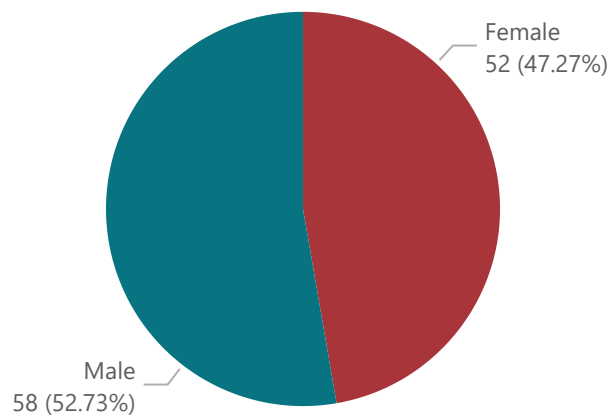
34
Average Age

Information

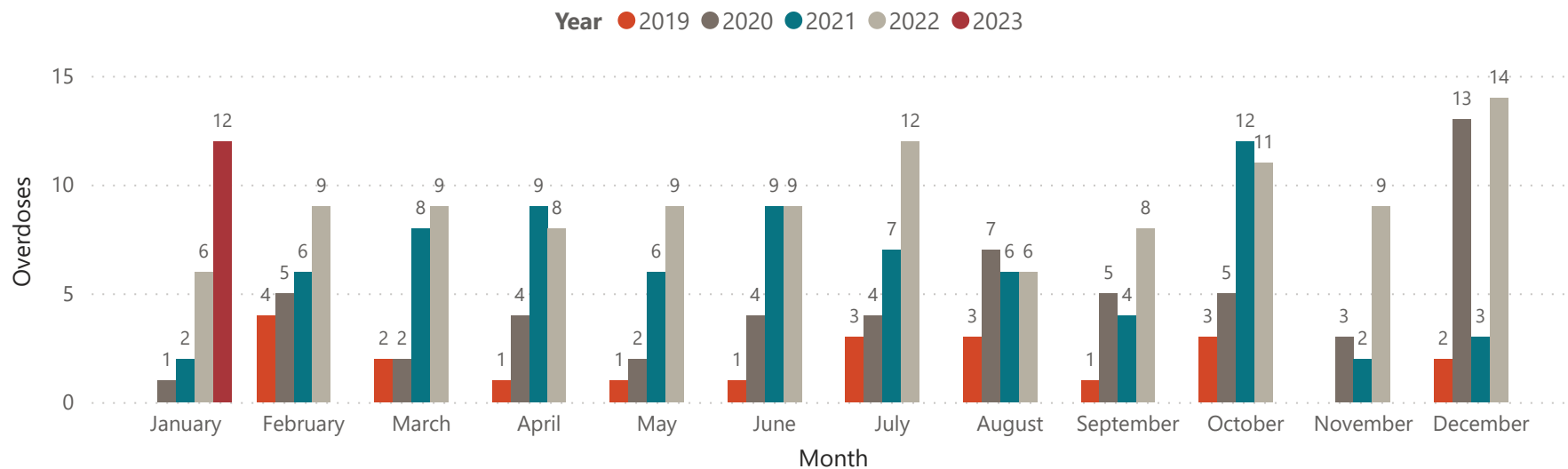
Fentanyl Overdose by Race



Fentanyl Overdose Gender



Fentanyl Overdoses



ESSENCE - Map All Drugs

Select below to see other maps.

- ➔ All Drugs
- Opioids
- Heroin
- Marijuana
- Stimulants
- Benzodiazepines
- Alcohol
- Fentanyl

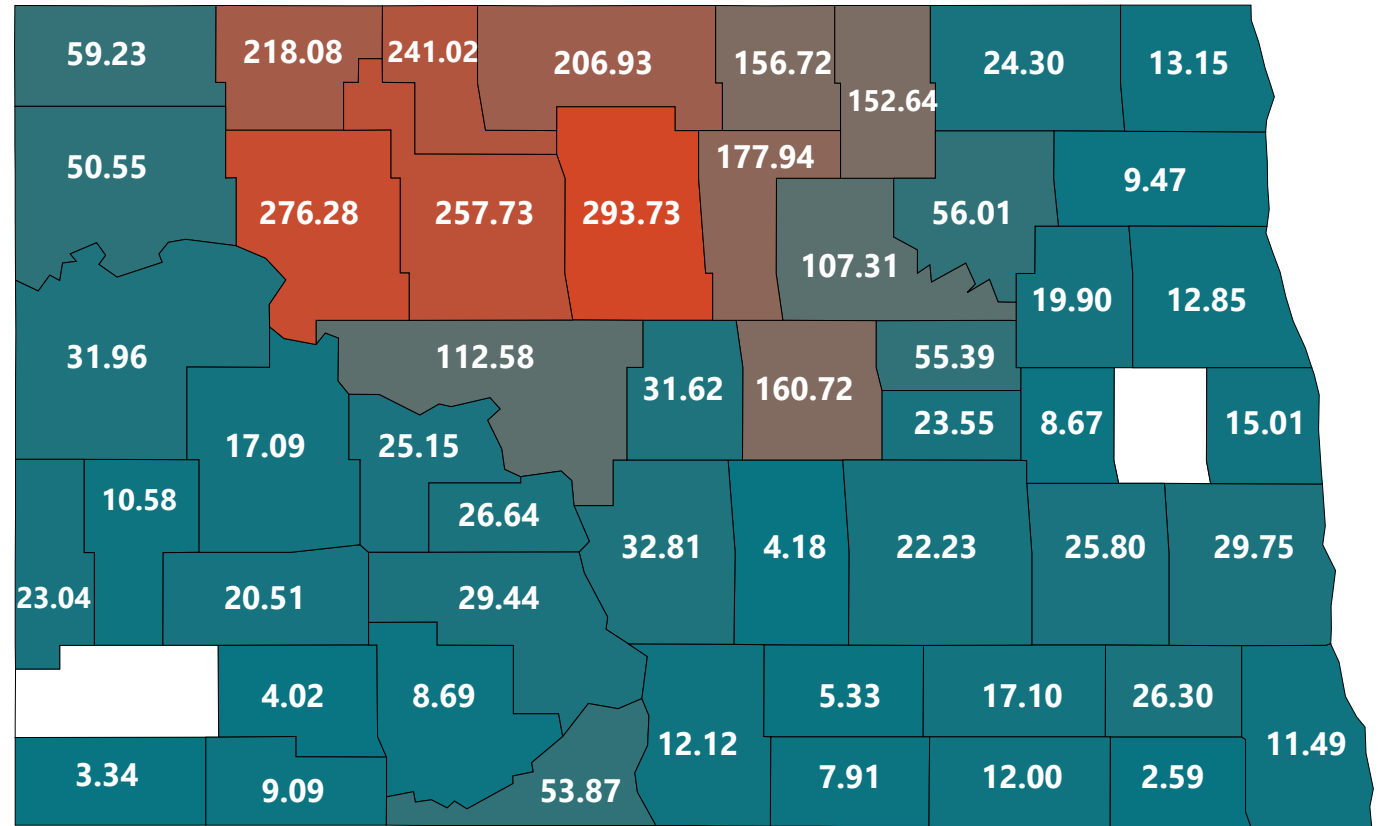
Year: 2022

4733 All Drug Overdoses

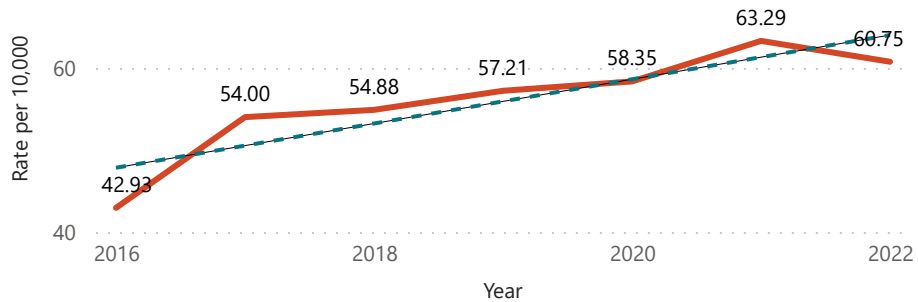
779,094 Population

60.75 All Drugs Rate per 10,000

All Drug Overdose Rate per 10,000 by County Where Patient Lives



All Drug Overdose Rate per 10,000



ESSENCE - Map Opioids

Select below to see other maps.

- All Drugs
- Opioids**
- Heroin
- Marijuana
- Stimulants
- Benzodiazepines
- Alcohol
- Fentanyl

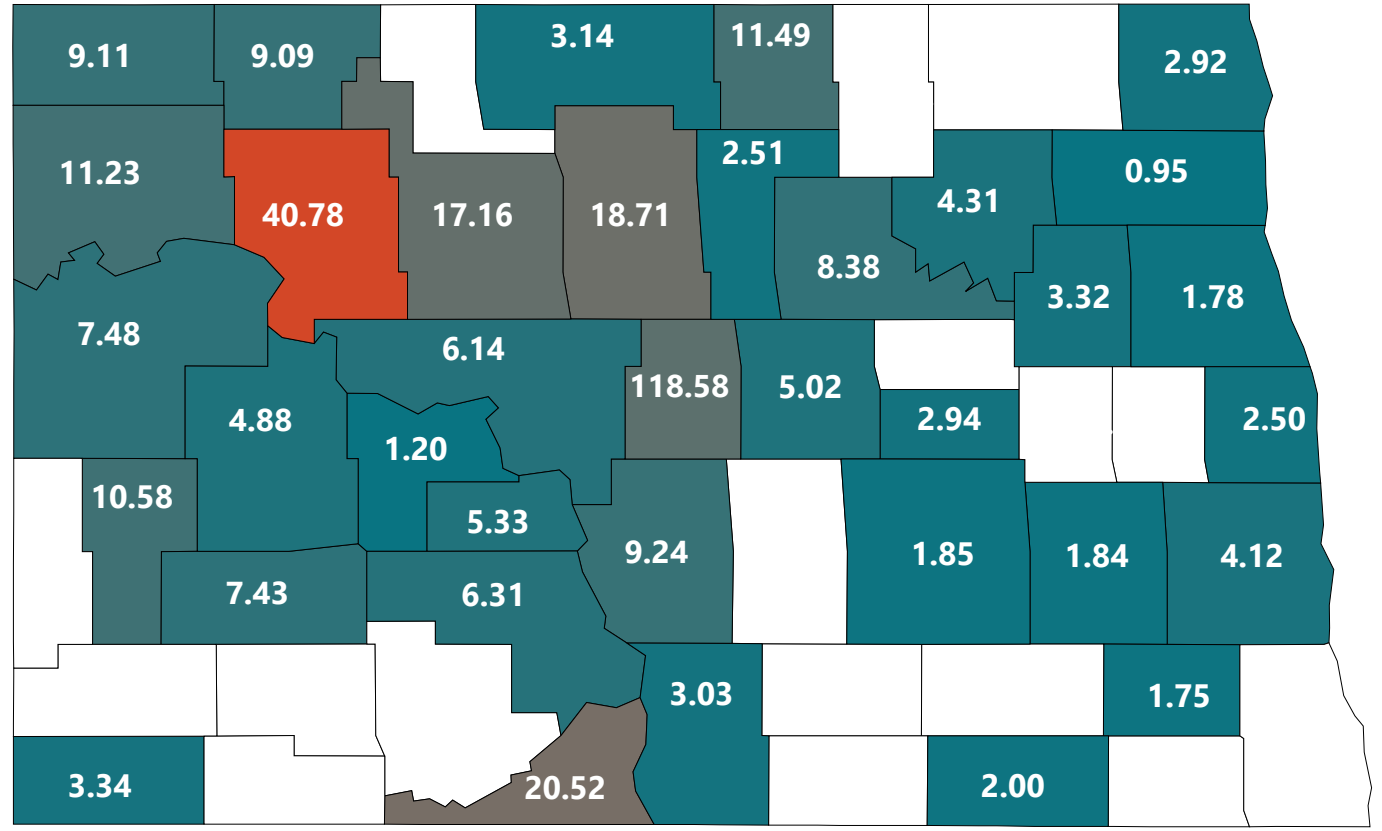
Year: 2022

524 Opioid Overdoses

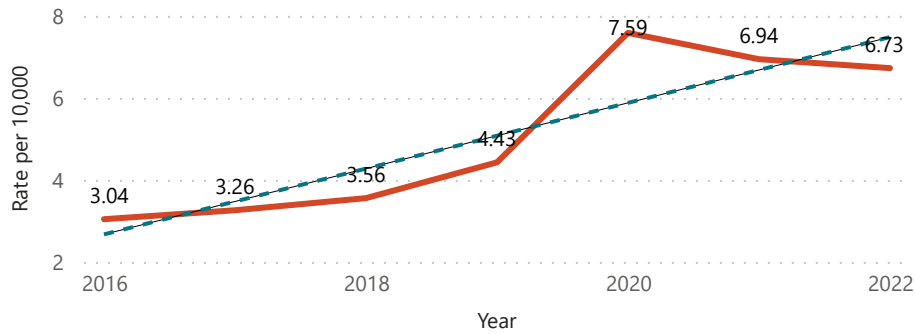
779,094 Population

6.73 Opioid Rate per 10,000

Opioid Overdose Rate per 10,000 by County Where Patient Lives



Opioid Overdose Rate per 10,000



ESSENCE - Map Heroin

Select below to see other maps.

- All Drugs
- Opioids
- Heroin**
- Marijuana
- Stimulants
- Benzodiazepines
- Alcohol
- Fentanyl

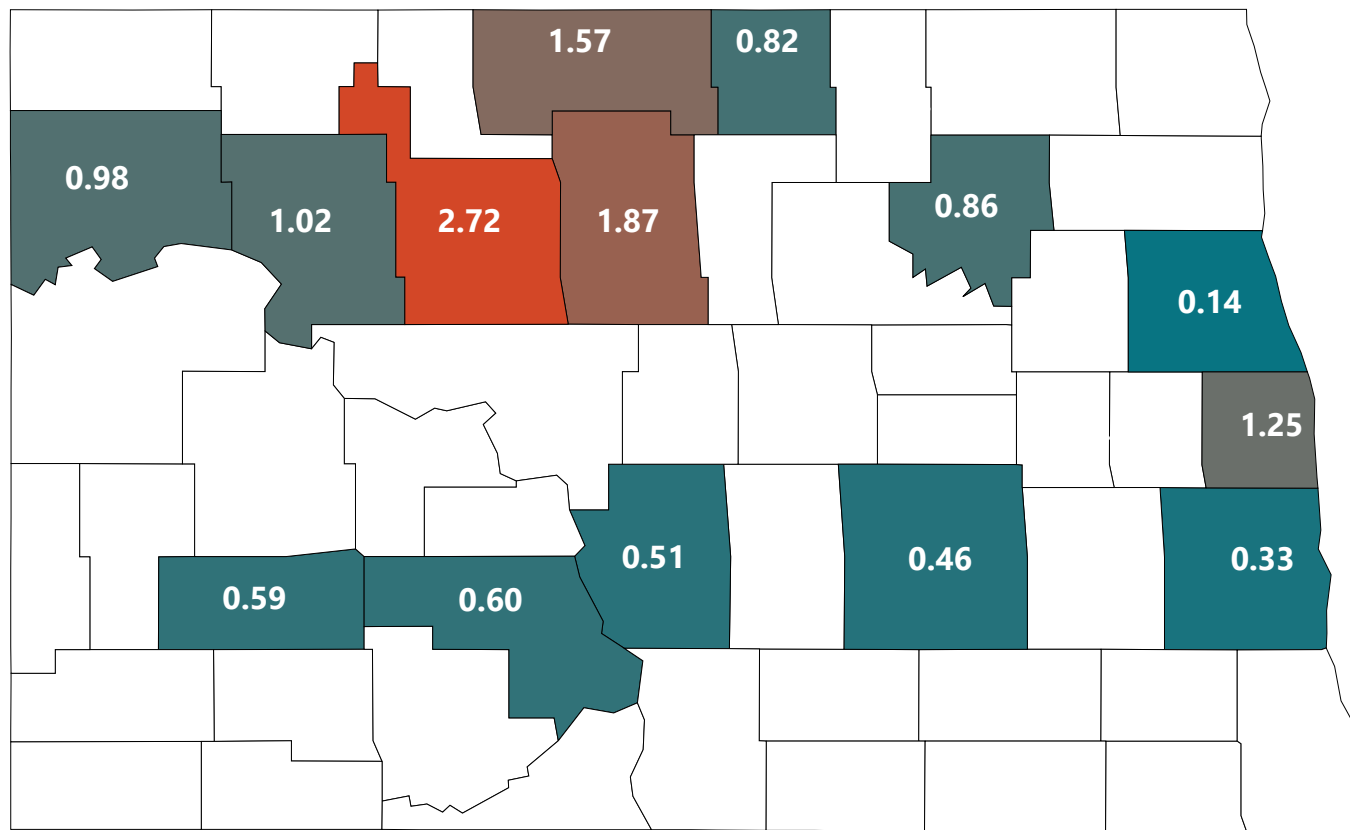
Year: 2022

46 Heroin Overdoses

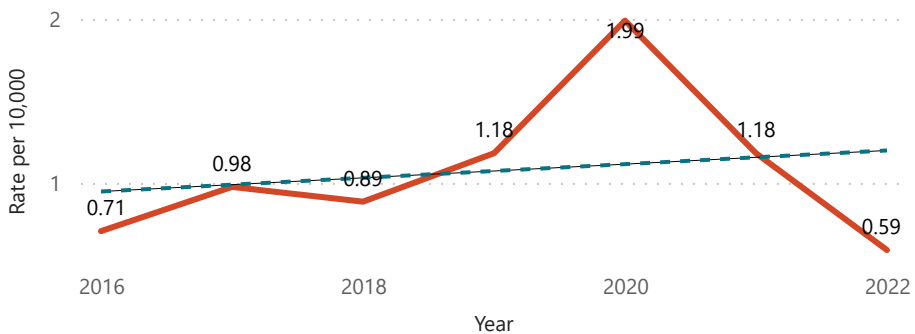
779,094 Population

0.59 Heroin Rate per 10,000

Heroin Overdose Rate per 10,000 by County Where Patient Lives



Heroin Overdose Rate per 10,000



ESSENCE - Map Marijuana

Select below to see other maps.

- All Drugs
- Opioids
- Heroin
- Marijuana**
- Stimulants
- Benzodiazepines
- Alcohol
- Fentanyl

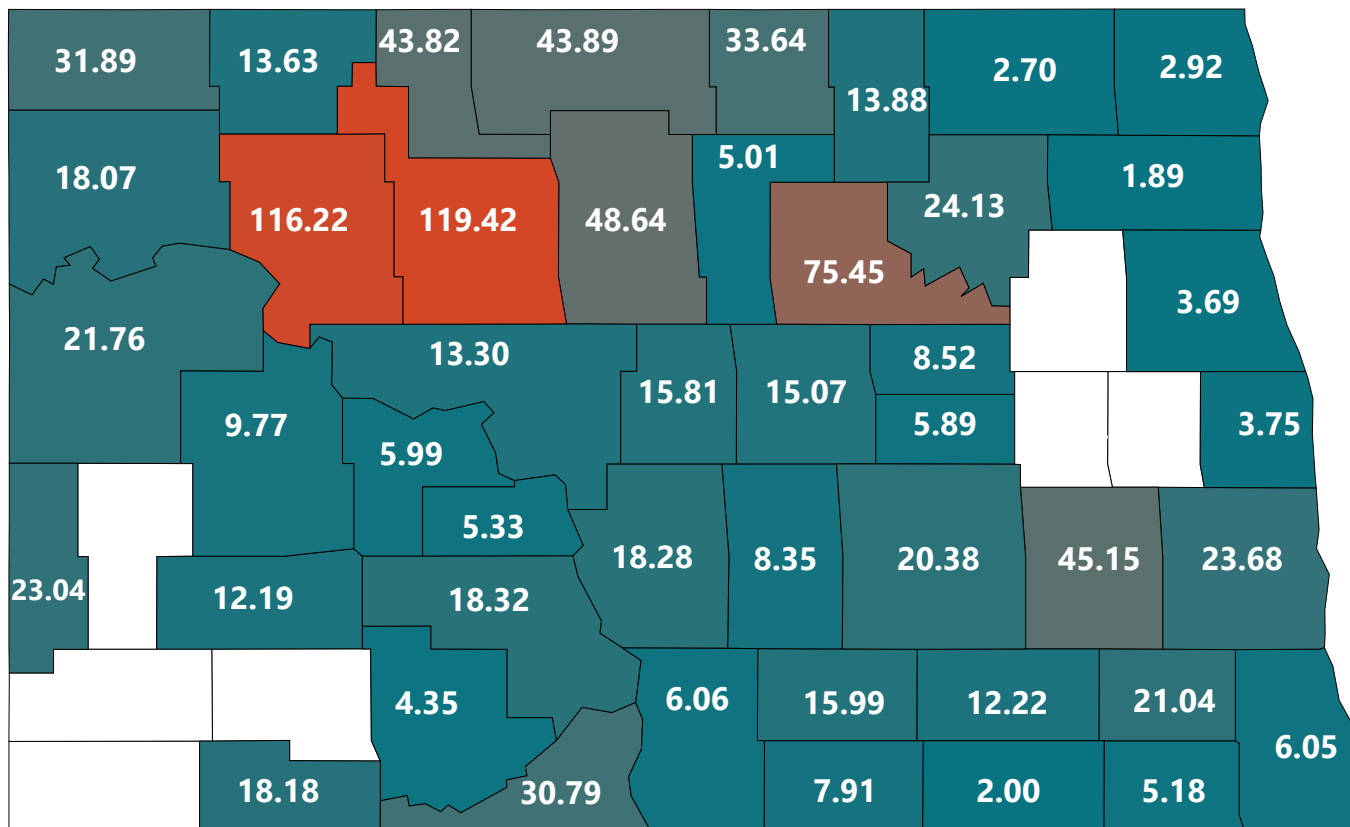
Year: 2022

2190 Marijuana Overdoses

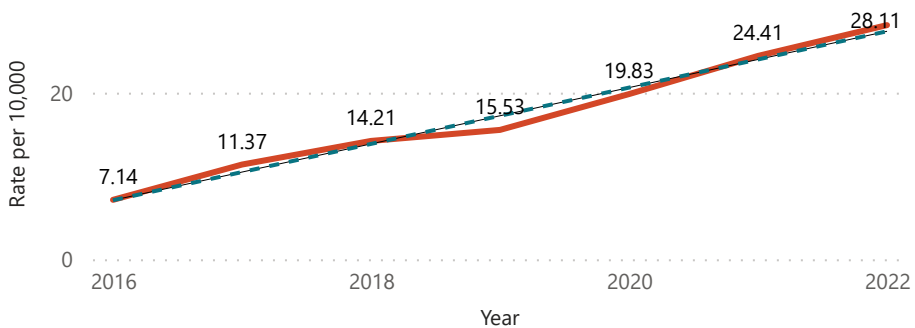
779,094 Population

28.11 Marijuana Rate per 10,000

Marijuana Overdose Rate per 10,000 by County Where Patient Lives



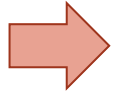
Marijuana Overdose Rate per 10,000



ESSENCE - Map Stimulants

Select below to see other maps.

- All Drugs
- Opioids
- Heroin
- Marijuana
- Stimulants**
- Benzodiazepines
- Alcohol
- Fentanyl



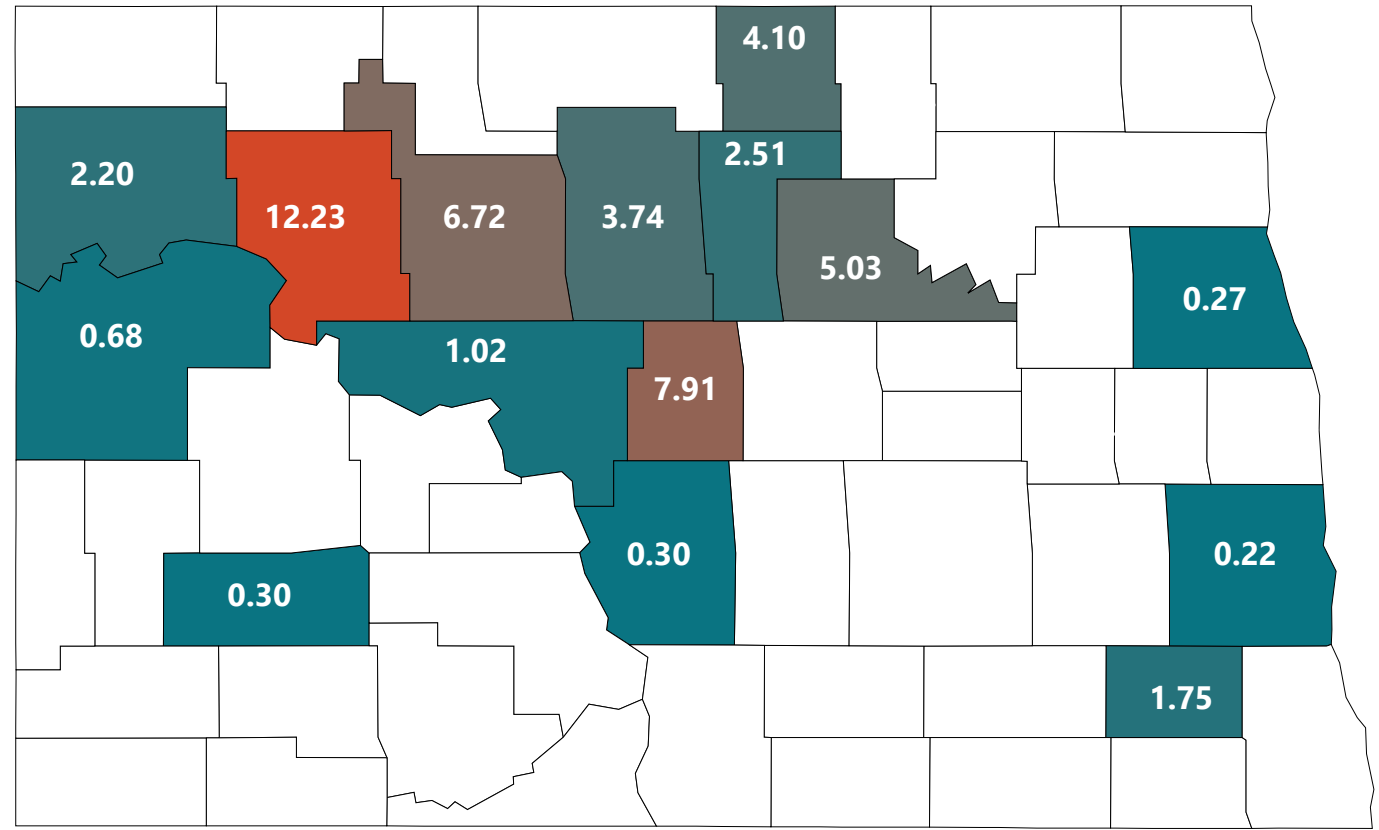
Year: 2022

93 Stimulant Overdoses

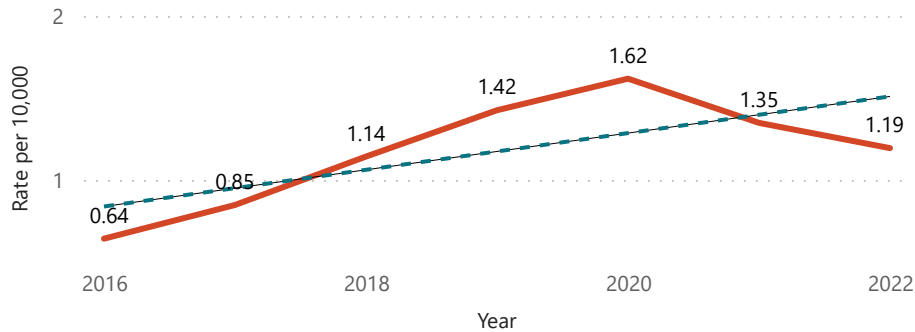
779,094 Population

1.19 Stimulant Rate per 10,000

Stimulant Overdose Rate per 10,000 by County Where Patient Lives



Stimulant Overdose Rate per 10,000



ESSENCE - Map Benzodiazepines

Select below to see other maps.

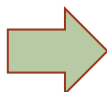
All Drugs

Opioids

Heroin

Marijuana

Stimulants



Benzodiazepines

Alcohol

Fentanyl

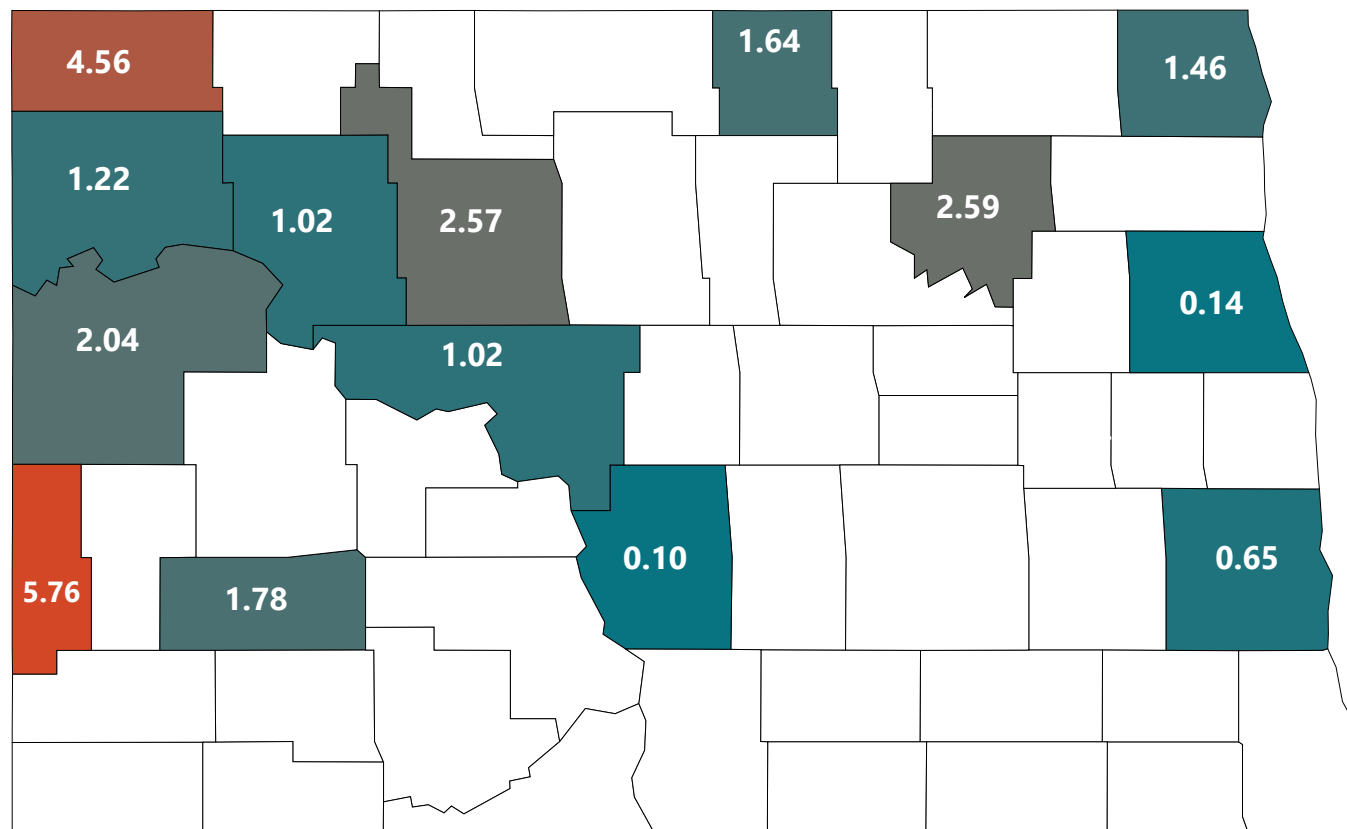
Year
2022

56
Benzodiazepine Overdoses

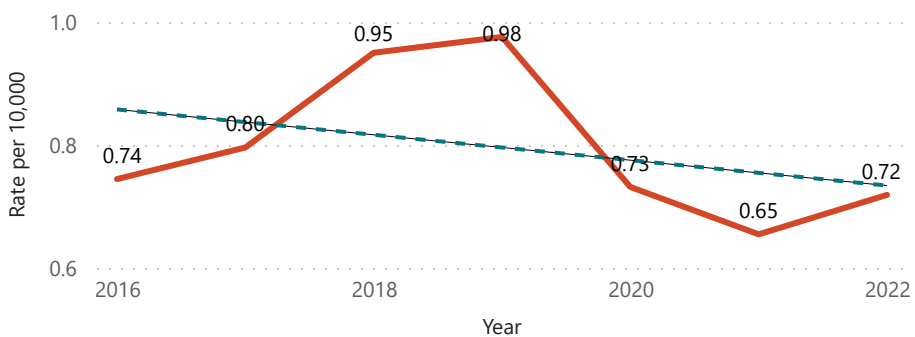
779,094
Population

0.72
Benzodiazepine Rate per 10,000

Benzodiazepine Overdose Rate per 10,000 by County Where Patient Lives



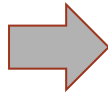
Benzodiazepine Overdose Rate per 10,000



ESSENCE - Map Alcohol

Select below to see other maps.

- All Drugs
- Opioids
- Heroin
- Marijuana
- Stimulants
- Benzodiazepines
- Alcohol
- Fentanyl



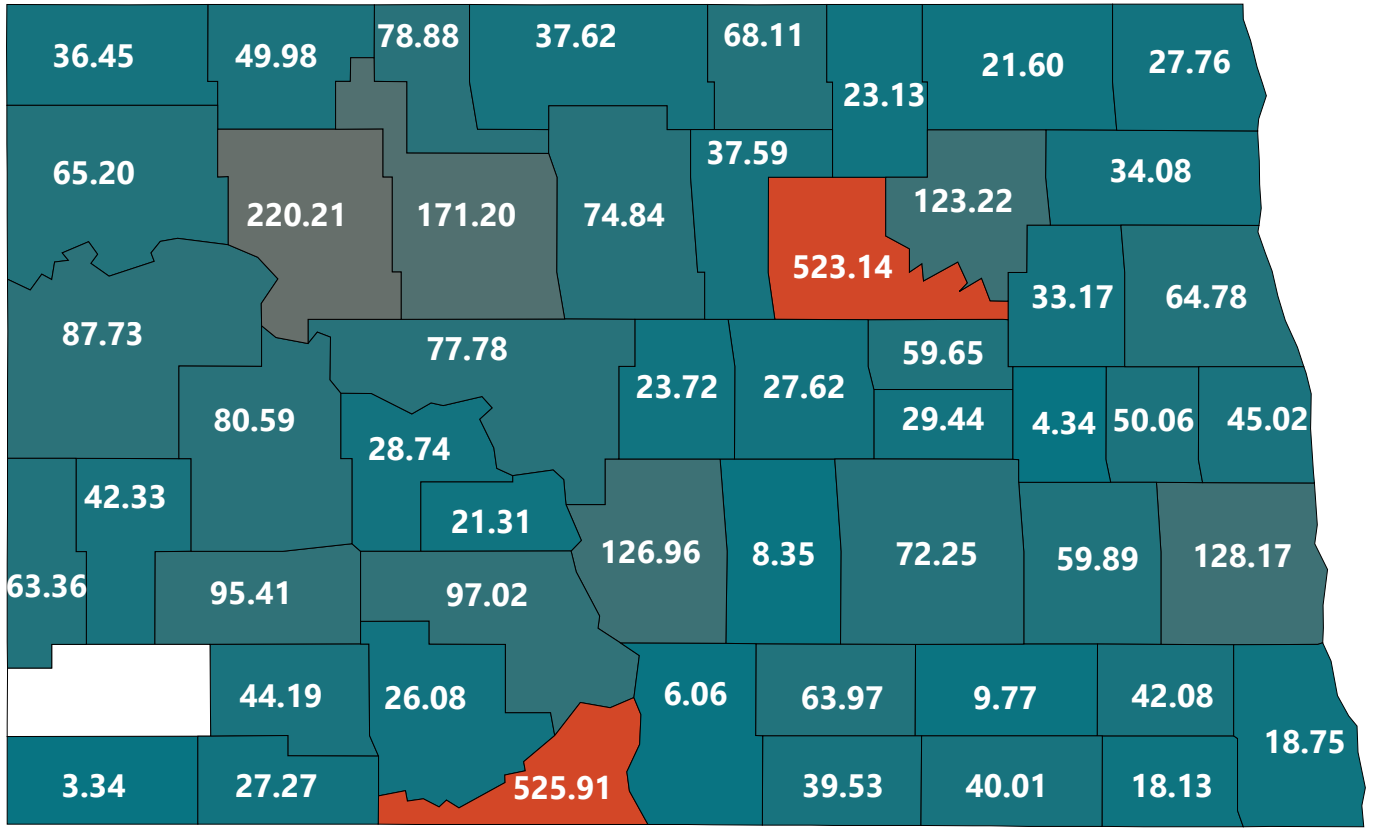
Year: 2022

8072 Alcohol Overdoses

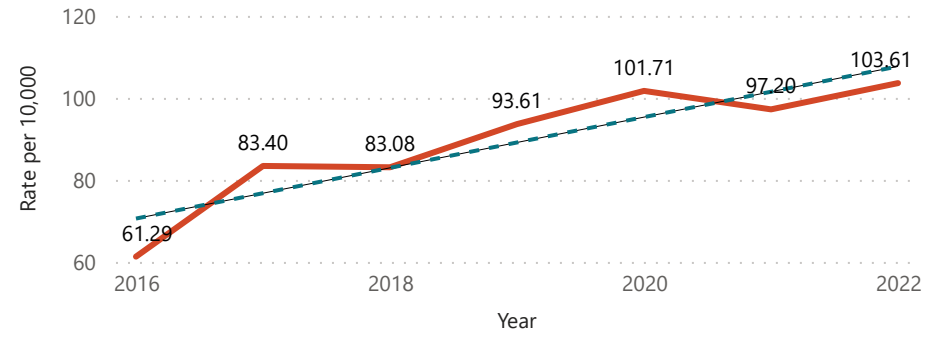
779,094 Population

103.61 Alcohol Overdose Rate per 10,000

Alcohol Overdose Rate per 10,000 by County Where Patient Lives



Alcohol Overdose Rate per 10,000



ESSENCE - Map Fentanyl

Select below to see other maps.

All Drugs

Opioids

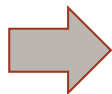
Heroin

Marijuana

Stimulants

Benzodiazepines

Alcohol



Fentanyl

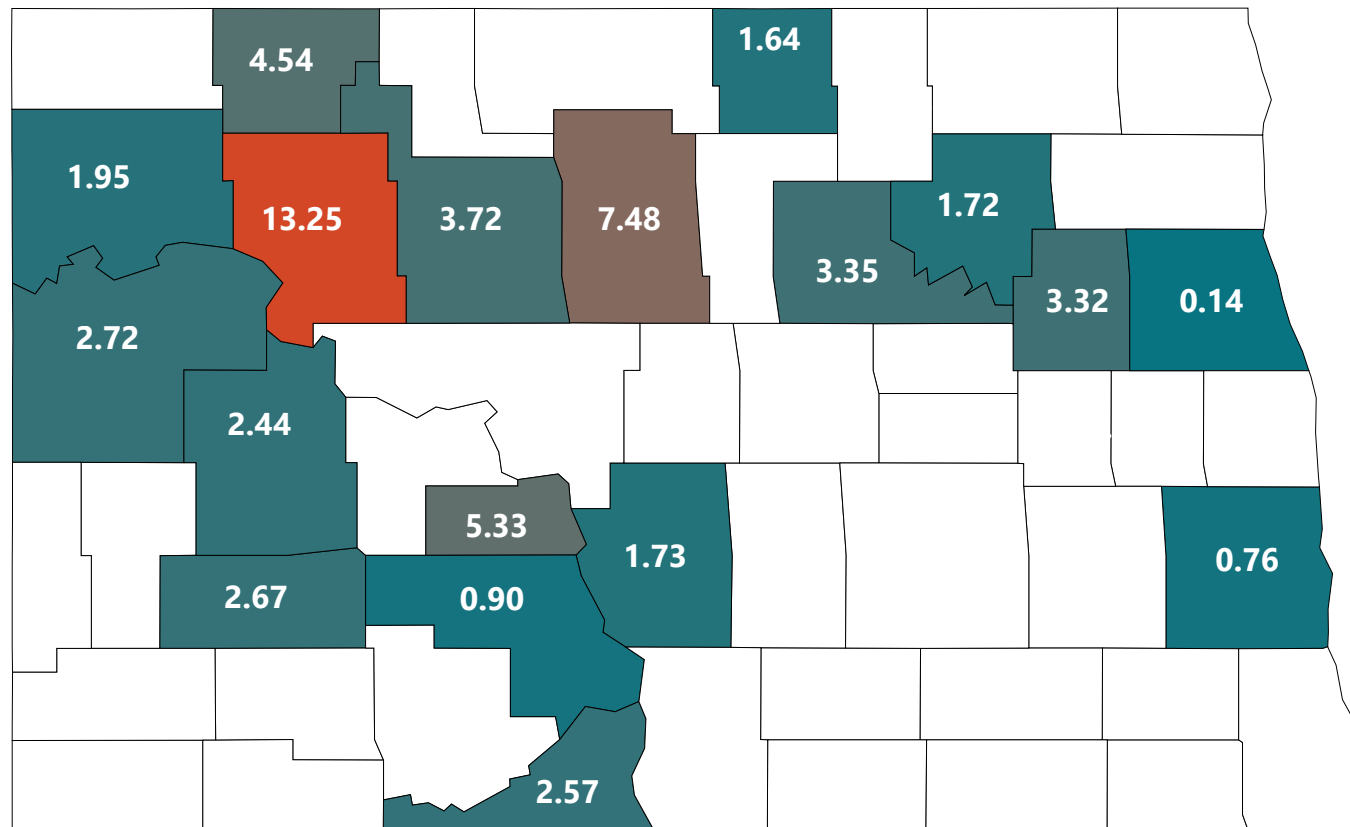
Year
2022

110
Fentanyl Overdoses

779,094
Population

1.41
Fentanyl Overdose Rate per 10,000

Fentanyl Overdose Rate per 10,000 by County Where Patient Lives



Fentanyl Overdose Rate per 10,000

