



*Clark County
Combined
Health District*

2024 OVERDOSE FATALITY REVIEW REPORT

Clark County, Ohio

June 30, 2025

Clark County Combined Health District
529 E Home Rd.
Springfield, OH 45503

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Overview

The data presented in this report were compiled during the Clark County Overdose Fatality Review (OFR). Coroner's actual figures may vary. These overdose fatalities were classified as unintentional overdoses and include overdoses that occurred in Clark County for each year. Emergency Department data for non-fatal overdoses are also included with data from Epicenter syndromic surveillance system.

Overdose Fatalities

The total number of overdose fatalities reviewed by the OFR committee peaked in 2017 at 105 deaths. The number of deaths increased again to 79 deaths in 2021. Since 2021, the numbers have been declining and reaching an all-time low of 27 in 2024 since the start of the OFR committee in 2015.

Overdose fatalities have significantly decreased since 2021, the lowest in ten years.

Count of overdose fatalities per year in Clark County, OH 2015-2024

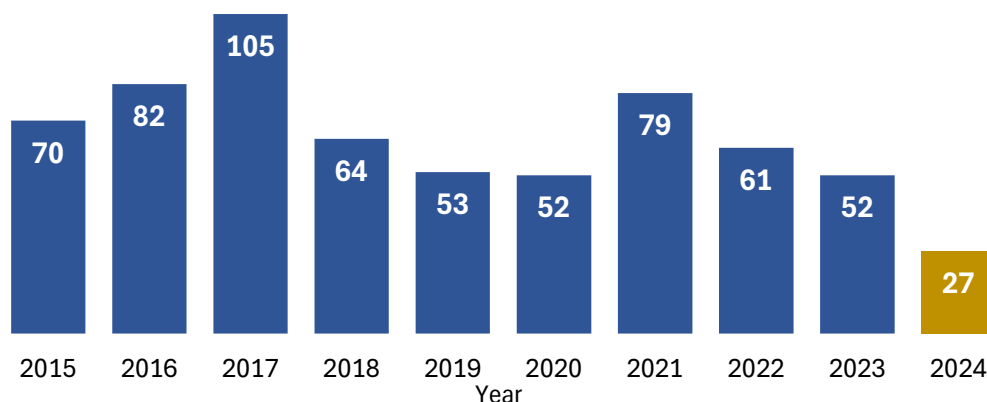


Figure 1: Count of overdose fatalities per year in Clark County, Ohio between 2015 and 2024. Data from Clark County Overdose Fatality Review.

Age adjusted death rates for overdose fatalities have been higher than the Ohio age adjusted overdose fatality rates for the past nine years but has generally followed the same pattern of increases and decreases over the years (figure 2).

Age-adjusted death rate for overdose fatalities have remained higher in **Clark County** than death rates in **Ohio**.

Age-adjusted deaths rates per 100,000 persons in Clark County and Ohio 2015-2023.

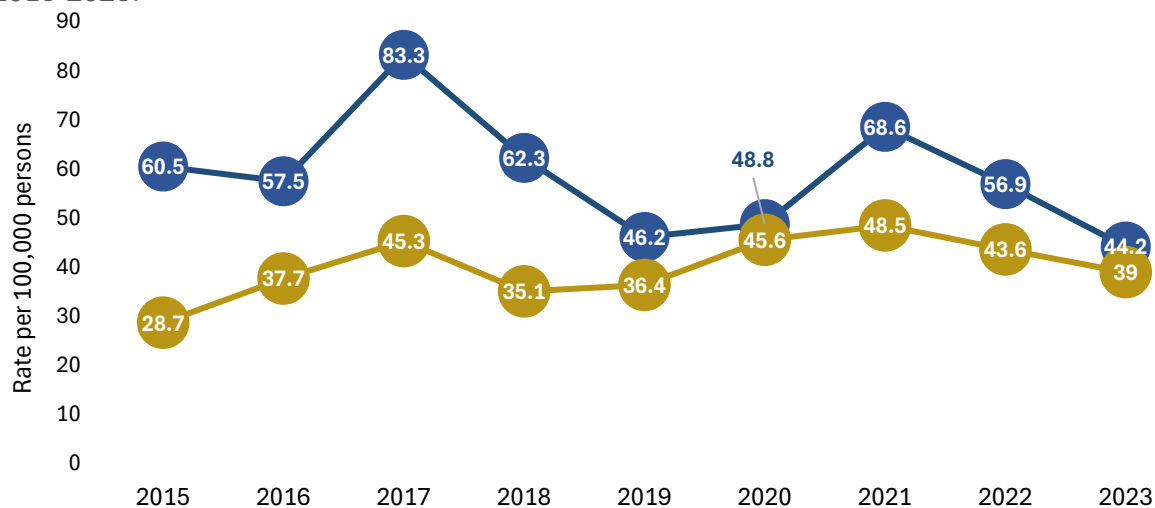


Figure 2: Age-adjusted death rates per 100,000 persons in Ohio and Clark County each year between 2015 and 2023. Data retrieved from Ohio Department of Health's 2023 Ohio Unintentional Overdose Fatality Report.

Home Zip Code

The highest percentage of overdose fatalities resided in the 45505-zip code (the southeast side of Springfield) in 2024 (Figure 3). The 45505 and 45503 zip codes were the zip codes with the highest cumulative number of overdose fatalities between 2015 and 2024 (Table 1).

The 45505 Zip code had the highest percentage of overdose fatalities in 2024.

Percentage of overdose fatalities by home zip code in Clark County, OH
2024

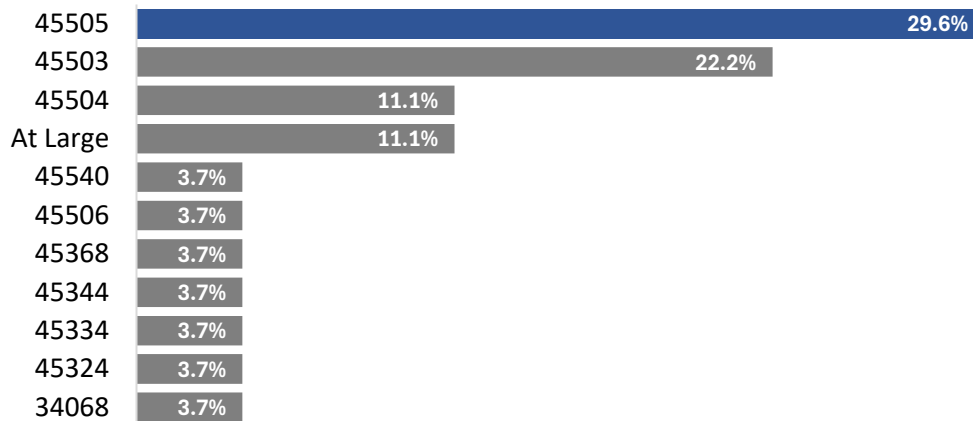


Figure 3: Percentage of overdose fatalities in Clark County, Ohio in 2024 by zip code of home residence. Data collected from Clark County Overdose Fatality Review.

Table 1: Top home zip codes of Clark County overdose fatalities between 2015 and 2024. Data collected from Clark County Overdose Fatality Review.

| Zip Code | # of overdose fatalities |
|----------|--------------------------|
| 45503 | 136 |
| 45505 | 135 |
| 45506 | 92 |
| 45504 | 68 |
| 45344 | 33 |
| 45502 | 27 |
| At Large | 12 |

Place of Death

More than half of overdose fatalities in 2024 took place at the decedent's home.

Percentage of overdose fatalities by place of death in Clark County, OH 2024

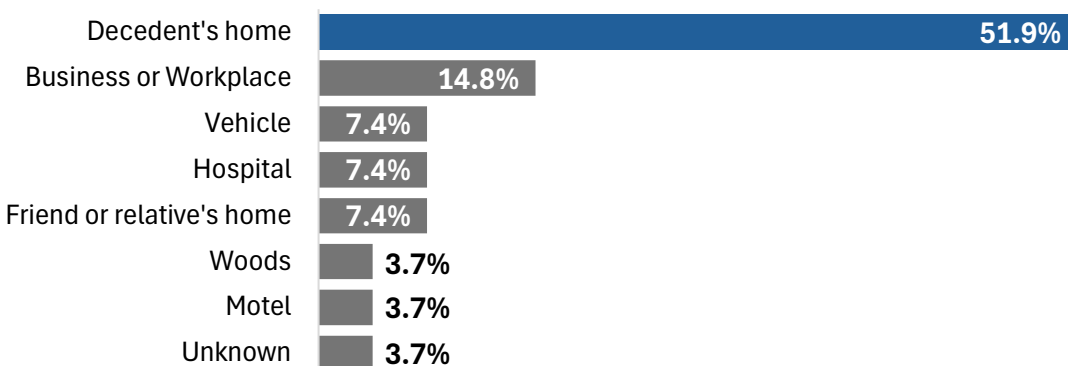


Figure 4: Percentage of overdose fatalities by place where death occurred in Clark County, Ohio in 2024. Data from Clark County Overdose Fatality Review.

Most overdose fatalities occur at the decedent's home (63.5%), and the rest of the places of death are listed here.

Percentage of overdose fatalities by place of death in Clark County, OH 2015-2024

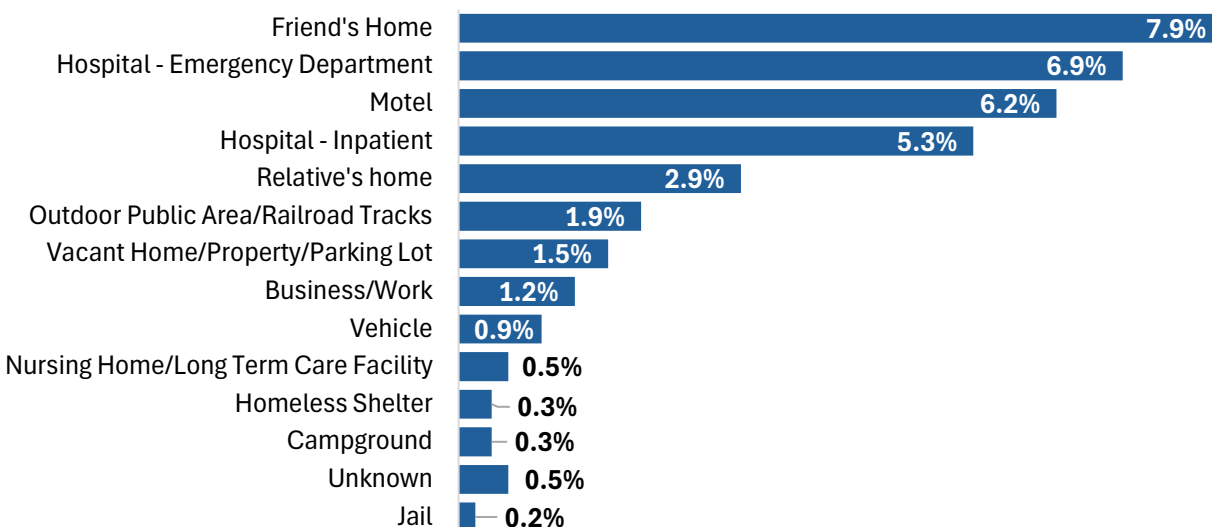


Figure 5: Percentage of overdose fatalities by place where death occurred in Clark County, Ohio 2015-2024. The Most common place of death was the decedent's home (63.5%), which is not included in the graph to allow for viewing of the breakdown of other locations. Data collected from Clark County Overdose Fatality Review.

Monthly Trends

Figures 6 and 7 below show monthly trends over the past 5 years in overdose fatalities. The monthly 5-year average was highest in April and July between 2020 and 2024.

The average number of overdose fatalities was highest in the months of **April** and **July** during the past **5 years**.

Average count of overdose fatalities by month in Clark County, OH 2020-2024

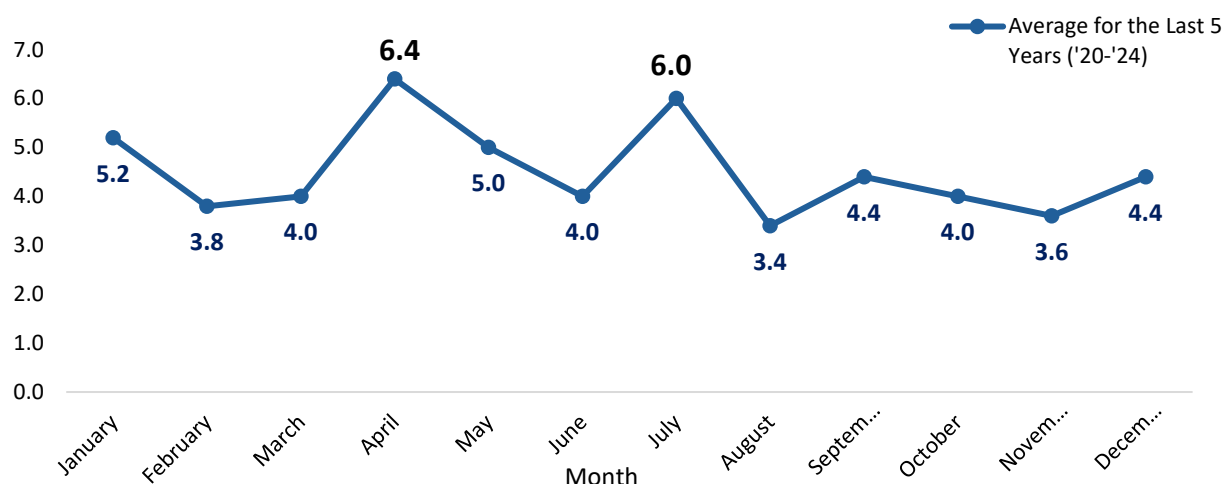


Figure 6: Average count of overdose fatalities each month over the past five years (2020-2024).

Data collected from the Clark County Overdose Fatality Review.

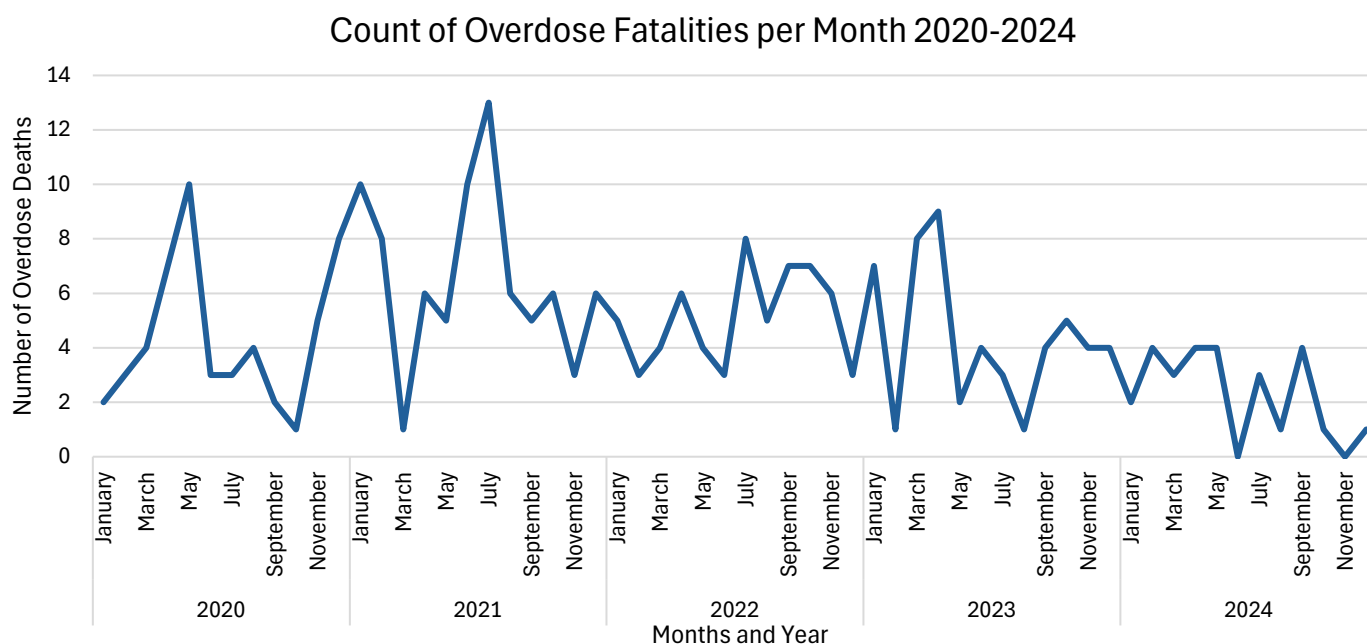


Figure 7: Count of overdose fatalities per month 2020-2024. Data collected from the Clark County Overdose Fatality Review.

Demographics

Sex

The majority of overdose fatalities between 2018 and 2024 were among **males** after 2020.

Percentage of overdose fatalities by sex in Clark County, OH 2018-2024

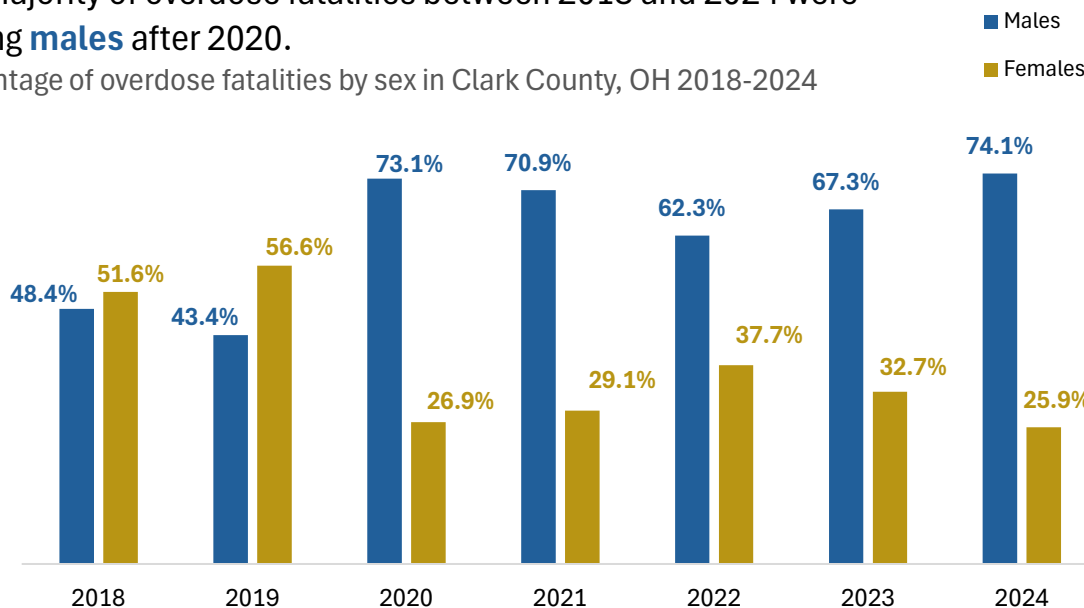


Figure 8: Percentage of overdose fatalities by sex each year from 2018 to 2024. Data collected from Clark County Overdose Fatality Review.

Most overdose fatalities occurred among males in 2024.

Percentage of overdose fatalities by sex in Clark County, OH 2024

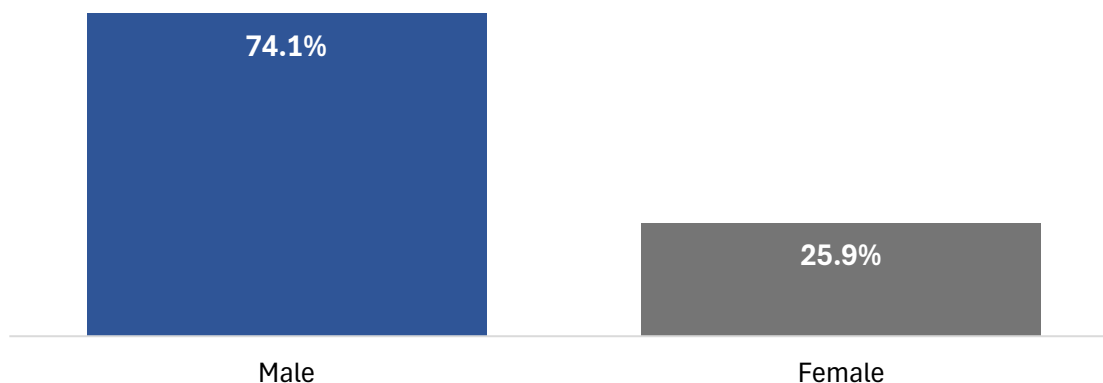


Figure 9: Percentage of Overdose fatalities by sex in 2024 in Clark County, Ohio. Data collected from the Clark County Overdose Fatality Review.

Age

The most common age group for overdose fatalities has been the 35–44-year-old age group both in 2024 (figure 10) and between 2015 and 2024 (figure 11).

The 35-44 year old age group has the largest percentage of overdose fatalities in Clark County between 2015 -2024.

Percentage of overdose fatalities by age group in Clark County, OH 2015-2024

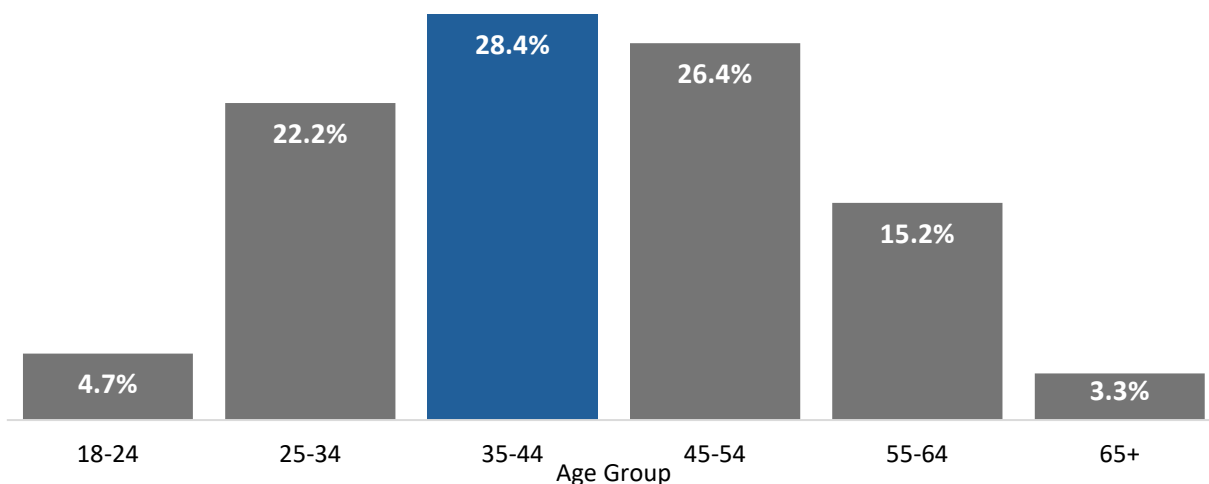


Figure 10: Percentage of overdose fatalities by age group in Clark County, Ohio 2015-2024. Data collected from the Clark County Overdose Fatality Review.

One third of overdose fatalities in 2024 were in the 35-44 age group.

Percentage of overdose fatalities by age group in years in Clark County, OH 2024

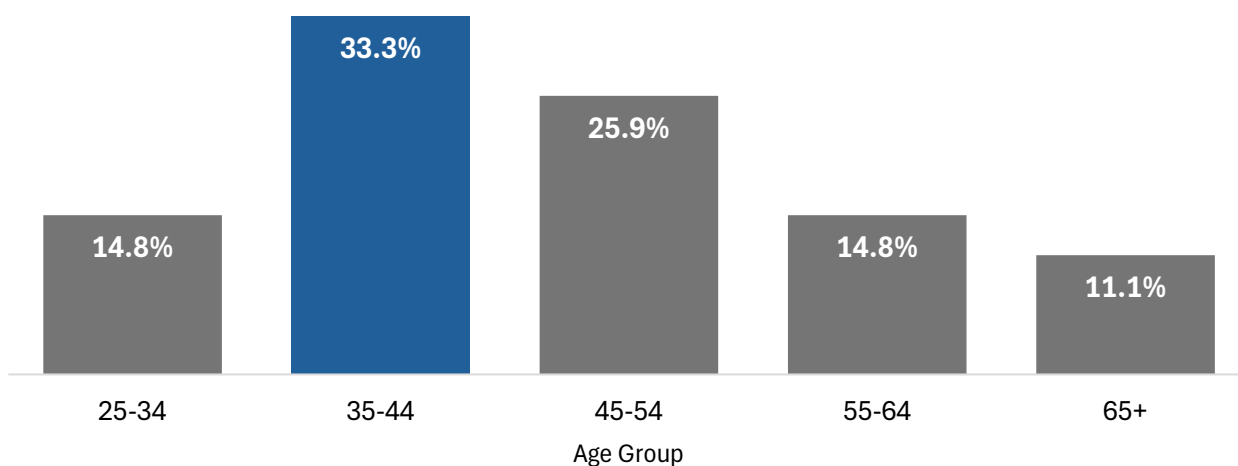


Figure 11: Percentage of overdose fatalities by age group in Clark County, Ohio 2024. Data collected from Clark County Overdose Fatality Review.

Race

In the past 5 years, most overdose fatalities have been white. In Clark County, the U.S. Census Bureau estimated percentage of those who identify as black is 9.4%. The percentage of overdose fatalities that were black was 19.8%. This means that black residents are overrepresented in overdose fatalities.

Over 75% of overdose fatalities between 2020-2024 were among white individuals.

Percentage of overdose fatalities by race in Clark County, OH 2020-2024

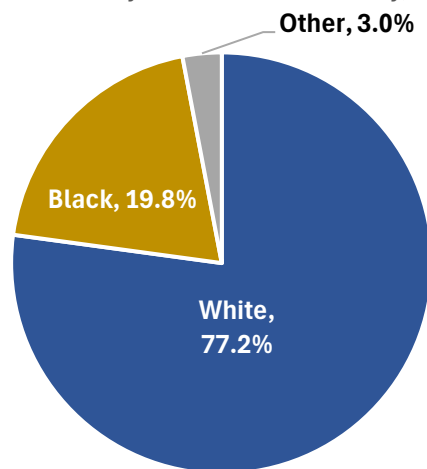


Figure 12: Percentage of overdose fatalities by race in Clark County, Ohio 2020-2024. Data collected from Clark County Overdose Fatality Review.

Over 80% of the overdose fatalities in 2024 among white individuals.

Percentage of overdose fatalities by race in Clark County, OH 2024

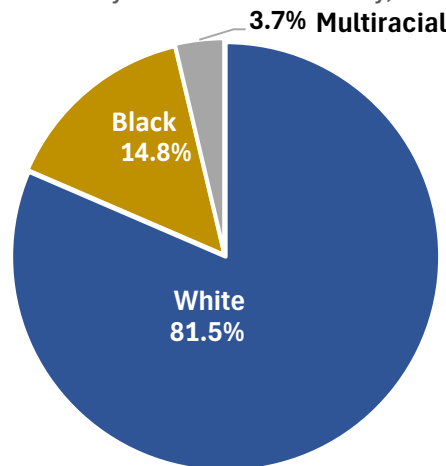


Figure 13: Percentage of overdose fatalities by race in Clark County, Ohio in 2024. Data collected from the Clark County Overdose Fatality Review.

Decedent Background/History

Life Circumstances Among Overdose Fatalities in 2024

Percentage of overdose fatalities in 2024 Clark County, Ohio

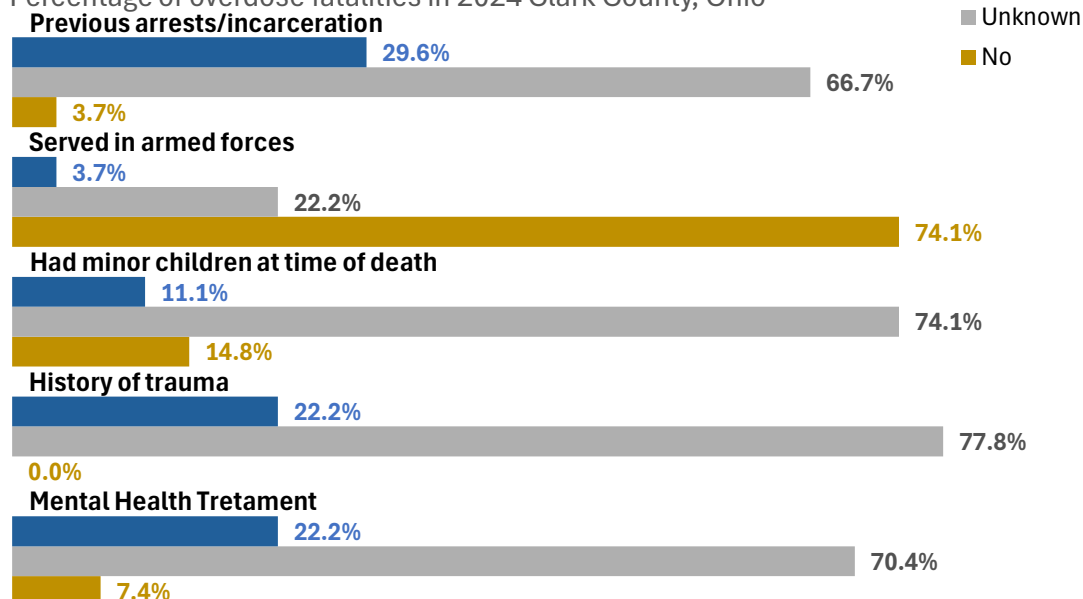


Figure 14: Percentage of overdose fatalities by answer (yes/no/unknown) for life circumstance questions of overdose fatalities in Clark County, Ohio in 2024. Data collected from the Clark County Overdose Fatality Review.

Substance Use Among Overdose Fatalities in 2024

Percentage of overdose fatalities in 2024 Clark County, Ohio

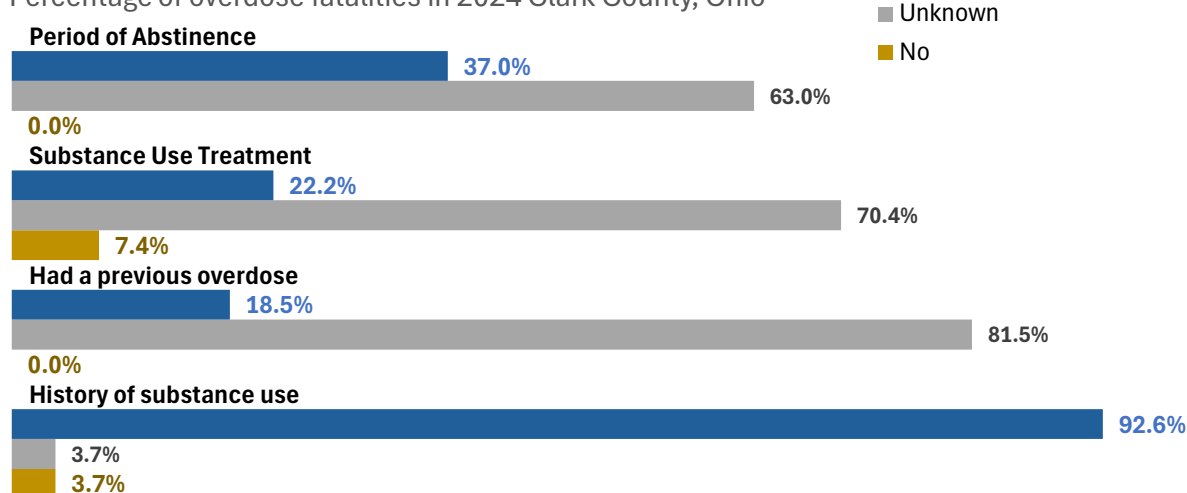


Figure 15: Percentage of overdose fatalities by answer (yes/no/unknown) the questions about substance use history of overdose fatalities in Clark County, Ohio in 2024. Data collected from the Clark County Overdose Fatality Review.

Education

The highest level of educational attainment among most of the overdose fatalities (55.6%) was Highschool graduate or GED (figure 16). The data collected for this category does not include trade schools or apprenticeships, so that education level would not be captured in this data.

Highest educational attainment among overdose fatalities in 2024 was most commonly High School/GED.

Percentage of overdose fatalities by highest level of educational attainment in Clark County, OH in 2024

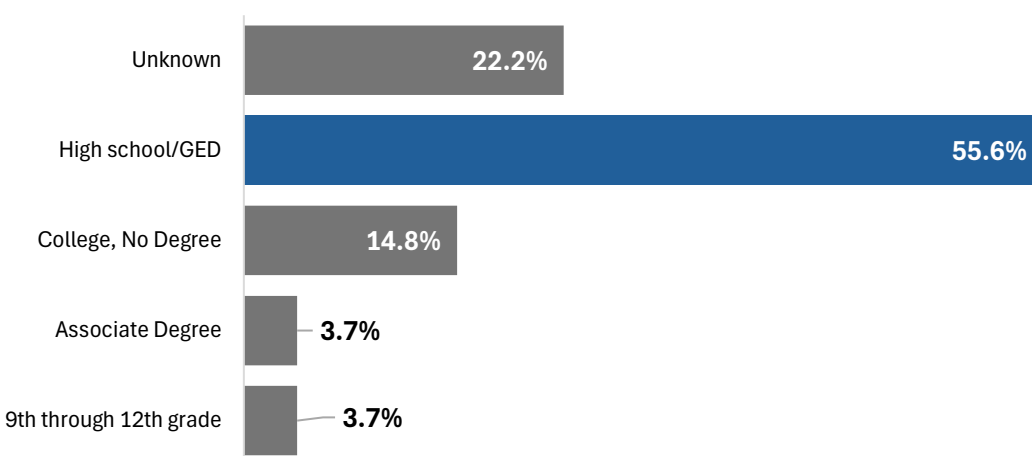


Figure 16: Percentage of overdose fatalities by highest level of educational attainment in Clark County, Ohio in 2024. Data collected from the Clark County Overdose Fatality Review.

Employment

Employment status of overdose fatalities in 2024

Percentage of overdos fatalities by employment status in Clark County, OH 2024

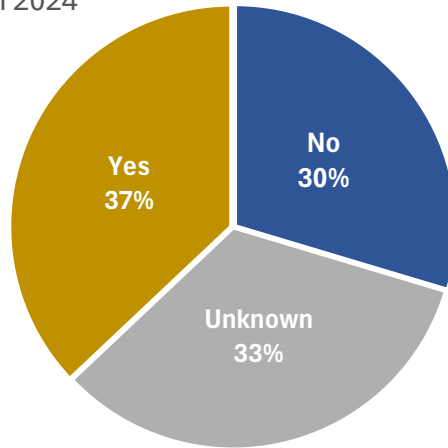


Figure 17: Percentage of overdose fatalities by employment status in Clark County, Ohio in 2024. Data collected from the Clark County Overdose Fatality Review.

Over 40% of overdose fatalities in 2015-2024 were **employed** while 30% were **unemployed**.

Percentage of overdose fatalities by employment, Clark County 2015-2024

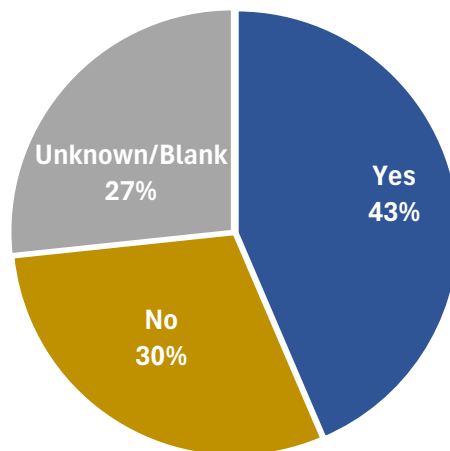


Figure 18: Percentage of overdose fatalities by employment status in Clark County, Ohio 2015-2024. Data collected from the Clark County Overdose Fatality Review.

The top three employment types among overdose fatalities that were employed were manual labor professions.

Percentage of overdose fatalities that were employed by employment type in Clark County, OH 2015-2024

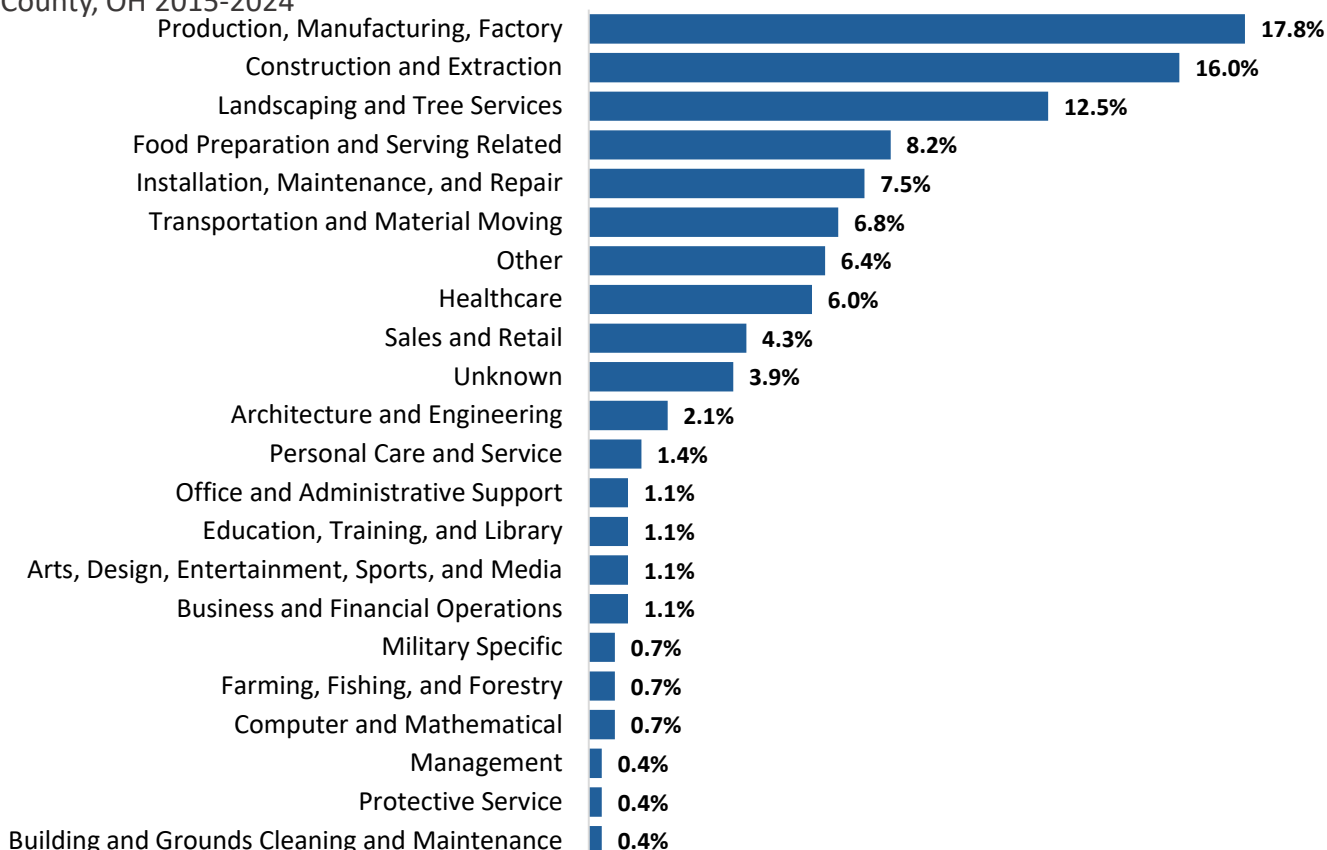


Figure 19: Percentage employed overdose fatalities by type of employment. This only includes number for those that has “yes” for employment status. Data collected from the Clark County Overdose Fatality Review.

Health

Significant Medical Conditions

A Significant Medical Condition Mention means that there was a report of physical illness for the individual at some point in their lives. Individuals may have multiple significant medical conditions by the time of death, so percentages may sum to more than 100%.

The most common significant medical condition among overdose fatalities in 2024 was cardiovascular disease.

Percentage of overdose fatalities in 2024 that had known history of each medical condition in Clark County, OH

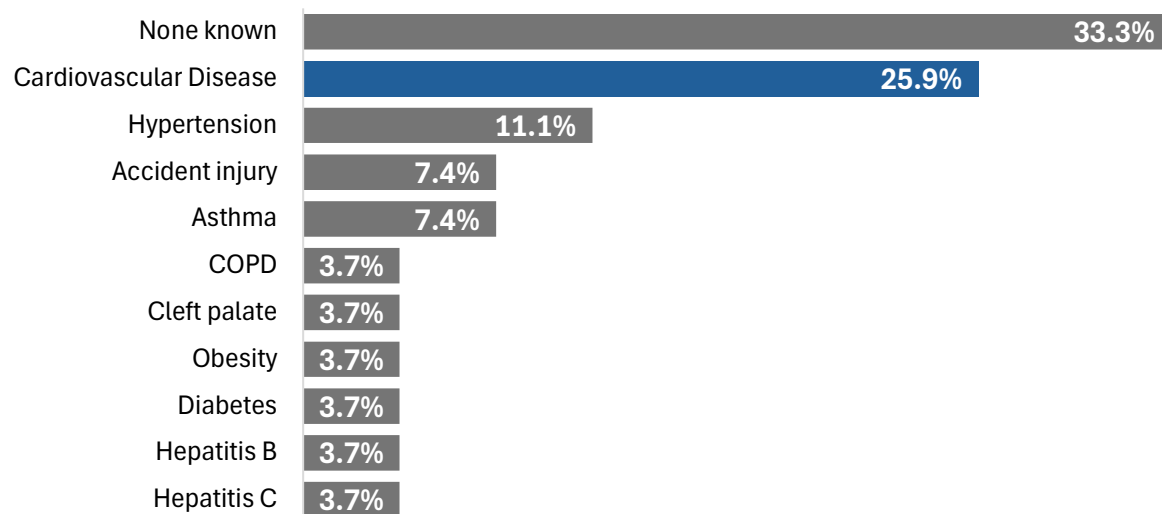


Figure 20: Percentage of overdose fatalities that mentioned each significant medical condition listed in Clark County, Ohio in 2024. Individuals may have multiple significant medical conditions by the time of death, so percentages may sum to more than 100%. Data collected from the Clark County Overdose Fatality Review.

Cadiovascular Disease was the most common significant medical condition among overdose fatalities 2015-2024.

Percentage of mentions of medical conditions in overdose fatality cases in Clark County, OH 2015-2024

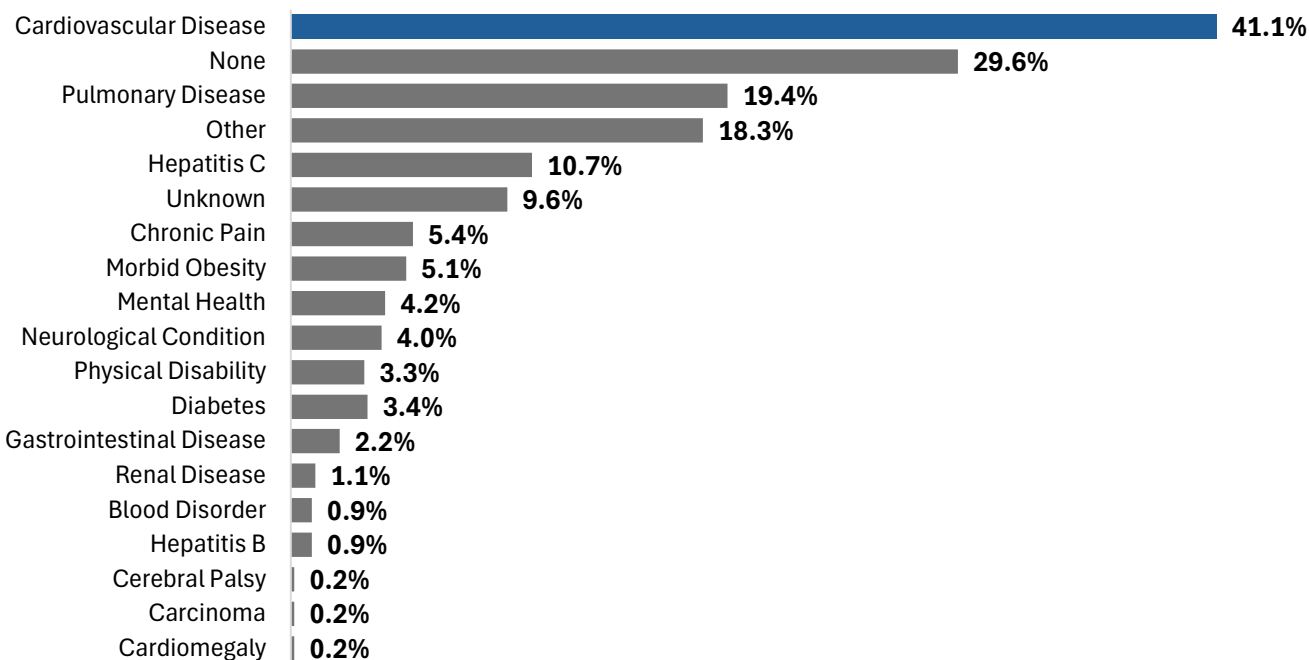


Figure 21: Percentage of overdose fatalities that mentioned each significant medical condition in Clark County, Ohio between 2015-2024. Individuals may have multiple significant medical conditions by the time of death, so percentages may sum to more than 100%. Data collected from the Clark County Overdose Fatality Review.

Mental Health Diagnoses

A Mental Health Diagnosis Mention means that there was a report of mental health diagnosis for the individual at some point in their lives. Individuals may have multiple mental health diagnoses by the time of death, so percentages may sum to more than 100%.

Mental health Diagnoses among Overdose Fatalities in Clark County 2024

Percentage of overdose fatalities by mental health diagnosis in Clark County, OH 2024

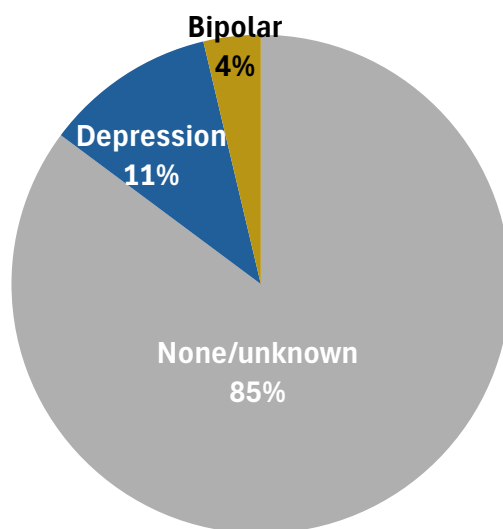


Figure 22: Percentage of overdose fatalities by mental health diagnoses in Clark County, Ohio in 2024. Data collected from the Clark County Overdose Fatality Review.

The most common mental health diagnosis among overdose fatalities in Clark County 2015-2024.

Percentage of overdose fatalities with each mental health diagnosis Clark County, OH, 2015-2025

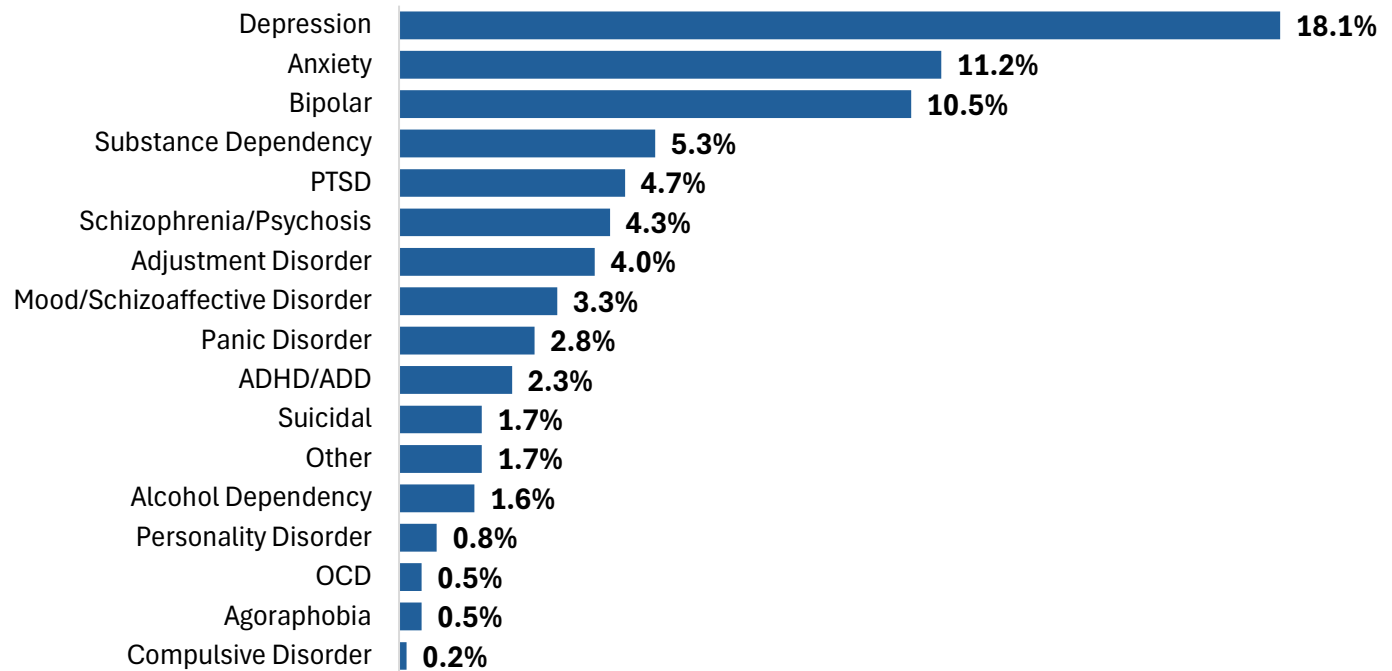


Figure 23: Percentage of overdose fatalities for each mental health diagnosis in Clark County, Ohio between 2015-2024. Individuals may have multiple mental health diagnoses by the time of death, so percentages may sum to more than 100%. Data collected from the Clark County Overdose Fatality Review.

Drugs Contributing to Overdose Deaths

A Drug Mention means that a substance was found in the individual's body at the time of hospital admission or after death, as reported in the Clark County Coroner's toxicology screen. The substance was not necessarily the cause of death and individuals may have multiple substances in their system at the time of death, so percentages may sum to more than 100%. Some of the drug mentions were found to be either a metabolite or byproduct and have since been reclassified. From 2021 on, there will now be a Metabolite/Byproduct category.

Appendix I at the end of this report has additional details on drug mentions and drugs contributing to deaths 2015-2024.

Drug Mentions 2024

Fentanyl and Xylazine contributed to the highest percentage of overdose fatalities in 2024.

Percentage of overdose fatalities to which each drug contributed

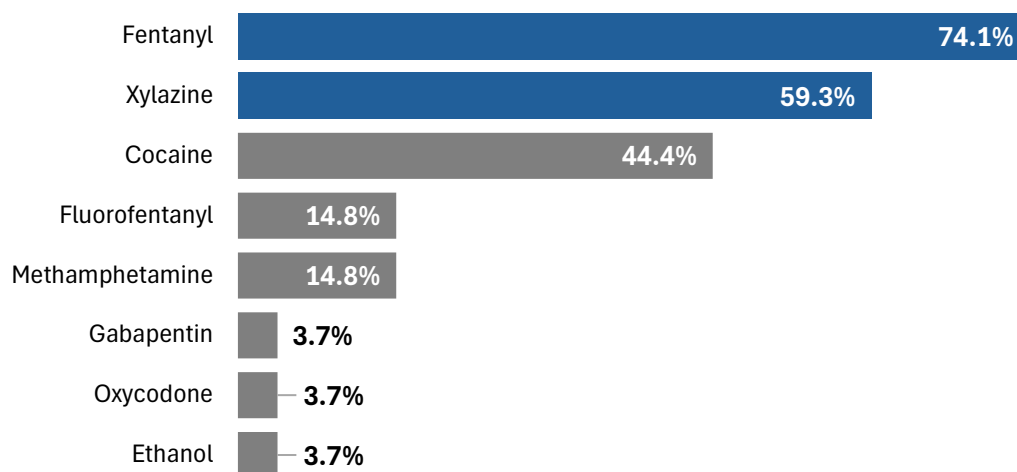


Figure 24: Percentage of overdose fatalities that each drug contributed to in Clark County, Ohio in 2024. Individuals may have multiple substance in their system at the time of death, so percentages may sum to more than 100%. Data collected from the Clark County Overdose Fatality Review.

Drug Mentions 2015-2024

Fentanyl was found in over 60% of overdose fatalities between 2015-2024.

Percentage of overdose fatalities that mention each drug type, Clark County 2015-2024

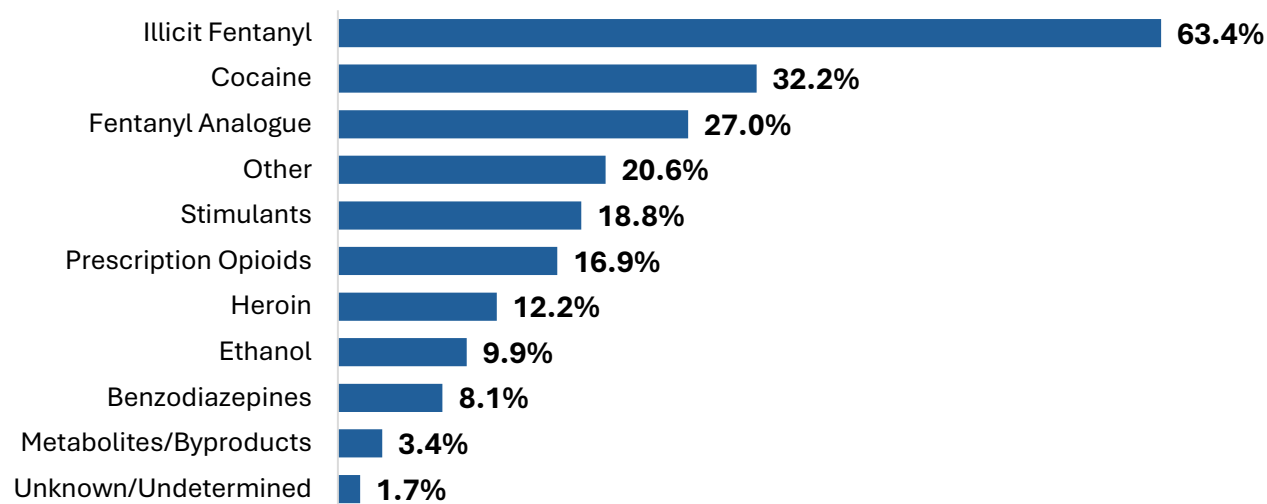


Figure 25: Percentage of overdose fatalities that each drug contributed to in Clark County, Ohio between 2015-2024. Individuals may have multiple substance in their system at the time of death, so percentages may sum to more than 100%. Data collected from the Clark County Overdose Fatality Review.

Table 2: Drugs mentioned in overdose fatalities between 2015-2024. Data collected from Clark County Overdose Fatality Review.

| Substance | # of Mentions | % of Deaths |
|------------------------|---------------|-------------|
| Opiates | | |
| Fentanyl Analogue | 174 | 27.0% |
| Illicit Fentanyl | 409 | 63.4% |
| Prescription Opioids | 109 | 16.9% |
| Heroin | 79 | 12.2% |
| Benzodiazepines | 52 | 8.1% |
| Cocaine | 208 | 32.2% |
| Ethanol | 64 | 9.9% |
| Other | 133 | 20.6% |
| Stimulants | 121 | 18.8% |
| Metabolites/Byproducts | 22 | 3.4% |
| Unknown/Undetermined | 11 | 1.7% |

Emergency Department Data – Suspected Drug Overdoses

Data were retrieved from the Ohio syndromic surveillance system, Epicenter, of suspected drug overdoses to incorporate non-fatal overdose data into this report. When interpreting data to identify trends, caution should be used since the number of participating facilities may change over time and facility data entry, classifiers, and codes may change over time. Epicenter overdose data does not differentiate between intentional and unintentional suspected drug overdoses or type of drug (prescription, illicit, OTC, etc.)

Count of Suspected Overdoses per year at the Emergency Department

Epicenter Syndromic Surveillance data 2021-2024 in Clark County, OH by home residence

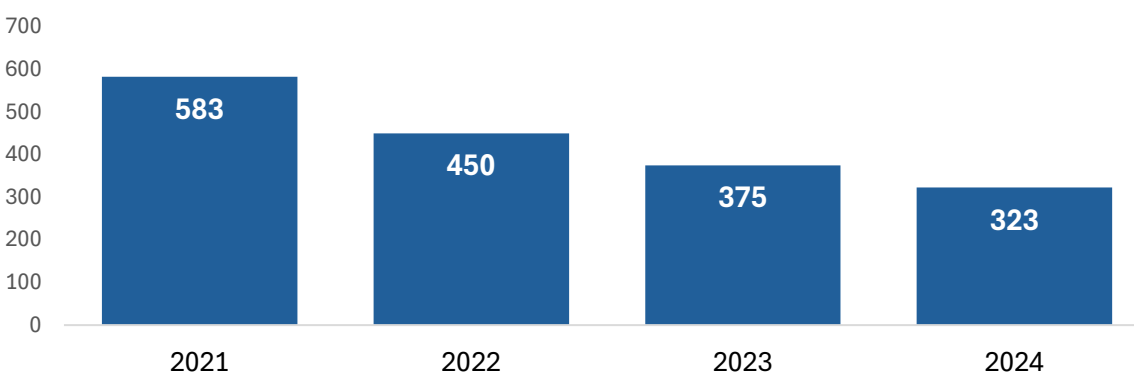


Figure 26: Count of suspected overdoses per year in Clark County, Ohio from Epicenter syndromic surveillance system of emergency department encounters for suspected drug overdose by home address from 2021-2024.

Count of Suspected Drug Overdoses in Emergency Department by Month 2024

Epicenter syndromic surveillance data in Clark County, OH by home residence

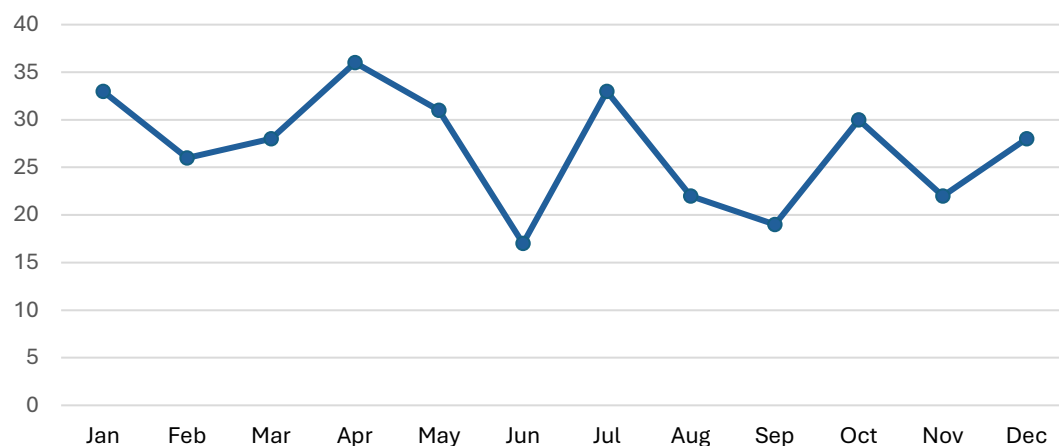


Figure 27: Count of suspected overdoses each month in Clark County, Ohio in 2024. Data from Epicenter syndromic surveillance system of emergency department encounters for suspected drug overdose by home address in 2024.

Appendix I: Drug Mention Data Tables, 2015-2024

Table 3: Fentanyl analogue drug mentions in overdose deaths Clark County 2015-2024

| Fentanyl analogues | # of Mentions | % of Deaths |
|--|---------------|-------------|
| Acetylfentanyl | 25 | 3.9% |
| Acrylfentanyl | 24 | 3.7% |
| Benzylfentanyl | 2 | 0.3% |
| Butyryl/Isobutyryl Fentanyl | 4 | 0.6% |
| Carfentanil | 43 | 6.7% |
| Cyclopropylfentanyl | 3 | 0.5% |
| Fluoro-butyryl fentanyl/Fluoro-isobutyryl fentanyl | 7 | 1.1% |
| Fluorofentanyl | 32 | 5.0% |
| Furanylfentanyl | 25 | 3.9% |
| Methoxyacetylfentanyl | 2 | 0.3% |
| Valeryl/Isovaleryl Fentanyl | 3 | 0.5% |

Table 4: Prescription Opioid Drug Mentions in Overdose Deaths in Clark County, 2015-2024

| Prescription Opioids | # of Mentions | % of Deaths |
|----------------------|---------------|-------------|
| Buprenorphine | 4 | 0.6% |
| Codeine | 3 | 0.5% |
| Hydrocodone | 12 | 1.9% |
| Hydromorphone | 1 | 0.2% |
| Methadone | 8 | 1.2% |
| Morphine | 17 | 2.6% |
| Oxycodone | 43 | 6.7% |
| Oxymorphone | 5 | 0.8% |
| Tramadol | 13 | 2.0% |
| U-47700 | 3 | 0.5% |

Table 5: Benzodiazepine Drug Mentions in Overdose Deaths in Clark County, 2015-2024

| Benzodiazepines | # of Mentions | % of Deaths |
|------------------|---------------|-------------|
| Alprazolam | 21 | 3.3% |
| Chlordiazepoxide | 1 | 0.2% |
| Clonazepam | 2 | 0.3% |
| Clonazepam | 6 | 0.9% |
| Cyclobenzaprine | 7 | 1.1% |
| Diazepam | 12 | 1.9% |
| Lorazepam | 2 | 0.3% |
| Temazepam | 1 | 0.2% |

Table 6: Stimulant Mentions in Overdose Deaths in Clark County, 2015-2024

| Stimulants | # of Mentions | % of Deaths |
|-----------------|---------------|-------------|
| Amphetamine | 27 | 4.2% |
| Methamphetamine | 94 | 14.6% |

Table 7: Other Drug Mentions in Overdose Deaths in Clark County, 2015-2024

| Other | # of Mentions | % of Deaths |
|------------------|---------------|-------------|
| Amitriptyline | 9 | 1.4% |
| Butalbital | 1 | 0.2% |
| Bupropion | 1 | 0.2% |
| Carisoprodol | 1 | 0.2% |
| Citalopram | 6 | 0.9% |
| Dextromethorphan | 2 | 0.3% |
| Difluoroethane | 1 | 0.2% |
| Diphenhydramine | 15 | 2.3% |
| Doxepin | 1 | 0.2% |
| Doxylamine | 1 | 0.2% |
| Duloxetine | 1 | 0.2% |
| Fluoxetine | 2 | 0.3% |
| Gabapentin | 11 | 1.7% |
| isopropanol | 1 | 0.2% |
| Lidocaine | 1 | 0.2% |
| Marijuana | 1 | 0.2% |
| Meprobamate | 1 | 0.2% |
| Mirtazapine | 1 | 0.2% |
| Mitragynine | 3 | 0.5% |
| Nortriptyline | 1 | 0.2% |
| Olanzapine | 1 | 0.2% |
| Paroxetine | 1 | 0.2% |
| PCP | 4 | 0.6% |
| Promethazine | 1 | 0.2% |
| Quetiapine | 1 | 0.2% |
| Sertraline | 3 | 0.5% |
| Trazodone | 5 | 0.8% |
| Xylazine | 38 | 5.9% |