Data Unit 2023 6-month Report

Community Overdose Action Team (COAT)

Period: January 1, 2023 through June 30, 2023

Montgomery County, Ohio



Our mission is to reduce the number of people dying from overdoses and drug abuse.

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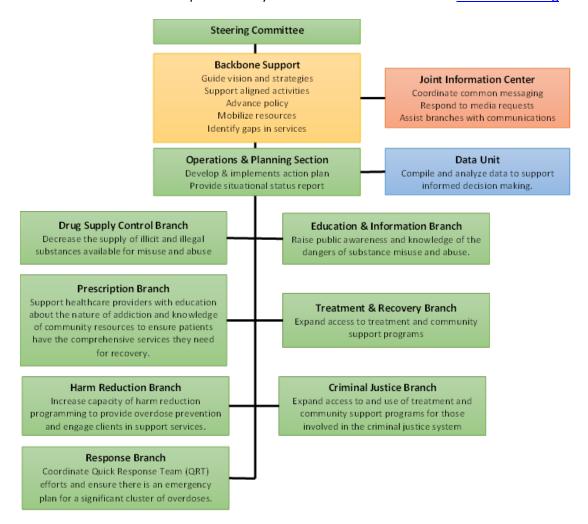
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Community Overdose Action Team

In September 2016, the Montgomery County Commissioners convened a community-wide forum to request that stakeholders work together to address the epidemic. Public Health – Dayton & Montgomery County and Montgomery County Alcohol, Drug Addiction & Mental Health Services (ADAMHS) have taken the lead in coordinating these efforts. The result has been the formation of the Community Overdose Action Team (COAT). The team seeks to enhance current services, looks for gaps in existing services, and explores more effective ways to combat the drug overdose crisis.

The COAT operates under a Collective Impact Model – an innovative and structured approach to making collaboration work across various sectors to achieve significant and lasting social change. The COAT is managed using the Incident Command System structure. ICS provides a comprehensive management system designed to enable community partners to work together to respond to local, state and federal emergencies. Over 200 individuals from community agencies, along with people in recovery and family members, participate in one of eight branches. It is only through this community-wide collaborative effort that we can begin to reduce the number of overdose deaths.

The COAT Incident Action Plan is updated every two months and is available at www.mccoat.org.



Data Unit Overview

With representatives from agencies across Montgomery County, the goal of the Data Unit is to enhance efforts to monitor drug use and drug-related morbidity and mortality. Activities include providing data to COAT branches, sharing data between agencies, updating members on data sources and activities, and producing a six month and annual Data Report.

Represented Agencies and Programs Include:

- Ascend Innovations Inc
- Dayton Police Department
- Miami Valley Bulk Smuggling Task Force
- Montgomery County Adult Probation
- Montgomery County Alcohol, Drug Addiction, and Mental Health Services (ADAMHS)
- Montgomery County Coroner's Office
- Project DAWN
- Public Health Dayton & Montgomery County
- Regional Agencies Narcotics & Gun Enforcement Task Force (R.A.N.G.E)
- Wright State University

Drug Overdose Deaths

There were **160** suspected and confirmed drug overdose deaths between January and June 2023; this is a 3% increase from 155 deaths during the same period in 2022.

The 118 drug overdose deaths in this report include residents and non-residents of Montgomery County who died in Montgomery County that occurred in 2023 and were confirmed as of July 3, 2023. This report does not include residents who died outside of Montgomery County. Overdose death data are provided by the Montgomery County Coroner's Office; deaths that were not confirmed by July 3, 2023 are not included in this report.

Overdose Deaths by Month

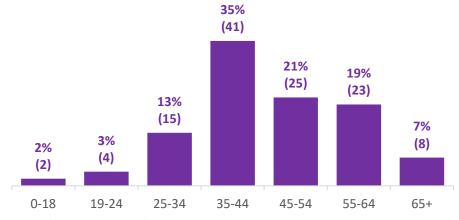
Drug Overdose Deaths by Month Montgomery County, January - June 2023



*Preliminary as of September 8, 2023

Demographics

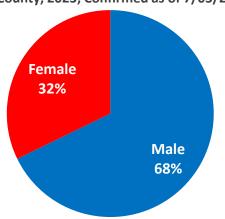
Drug Overdose Deaths by Age Group Montgomery County, 2023, Confirmed as of 7/03/2023



^{*}Due to rounding, percentages do not sum to 100%.

The highest percentage of drug overdose deaths occurred in the age group **35 to 44 years** (35%). The median age increased from 41 in 2022 to 44 in the first six months of 2023.

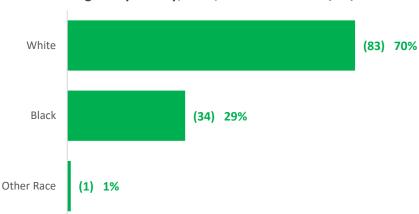
Drug Overdose Deaths by Sex
Montgomery County, 2023, Confirmed as of 7/03/2023



Thirty-two percent (38 of 118) of individuals who died of a drug overdose were female and 68% (80 of 118) were male. This is similar to 2022.

Whites accounted for 70% of drug overdose deaths. Thirty-four (34) of the 118 drug overdose deaths were among Black residents (29% of the total). The percent of individuals who were Black increased from 22% in 2022.

Drug Overdose Deaths by Race Montgomery County, 2023, Confirmed as of 7/03/2023



Overdose Deaths Among Black Men

Black men represented 22% of overdose death, a **large increase** from 2022.

This group accounts for around 10% of the population and is overrepresented among overdose deaths.

Overdose Deaths by Sex and Race Montgomery County, 2019 - 2023

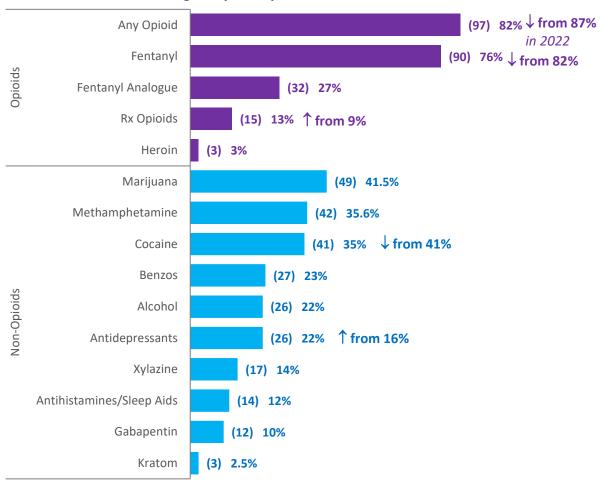
					2023
	2019	2020	2021	2022	As of 7/3/23
	%	%	%	%	%
White Men	50.0%	47.5%	47.1%	49.0%	44.9%
White Women	27.3%	24.5%	30.7%	26.3%	25.4%
Black Men	13.1%	18.6%	13.4%	14.7%	22.0%
Black Women	9.6%	9.4%	8.8%	7.4%	6.8%

Drug Types

Definition of a Drug Mention

A drug "mention" means a specific drug was found in a bodily system of an individual who died, but the particular drug was not necessarily the sole cause of death. The presence of multiple drugs in a person's system can result in more than one mention for that individual.

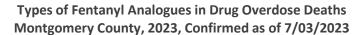
Drug Mentions in Drug Overdose Deaths Montgomery County, 2023, Confirmed as of 7/03/2023

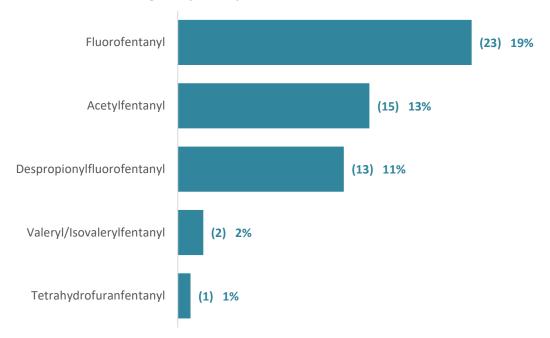


Of those who died from a drug overdose, 76% had **illicit fentanyl** in their system, the most common drug mention among confirmed deaths in 2023. **Fentanyl analogues** (drugs with a similar chemical structure to fentanyl) were the second most common opioid mention, representing 27% of overdose deaths. **Marijuana, methamphetamine, and cocaine** were the most common non-opioids.

The percent of deaths involving any opioid, illicit fentanyl, or fentanyl analogues decreased from 2022, while the percent involving prescription opioids increased. The percent of deaths involving cocaine declined, while the percent involving antidepressants increased.

Fentanyl Analogues





Fluorofentanyl (found in 19% of deaths) was the most common fentanyl analogue found during drug overdose autopsies, followed by **acetylfentanyl** (found in 13% of deaths).

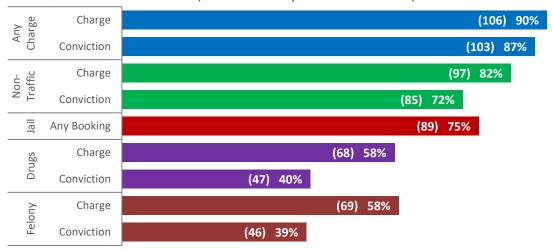
Carfentanil, the most common fentanyl analogue in 2017, was not present in any autopsies since 2020.

Criminal History

This section presents law enforcement data on the individuals who died of a drug overdose in Montgomery County. These data are collected from JusticeWeb, a portal that aggregates information from criminal justice agencies in and around Montgomery County. Note that not all agencies report data to JusticeWeb. Charges include any criminal complaints that were filed with a local court. Convictions include trial verdicts and pleading guilty.

Lifetime Cases and Convictions in Overdose Deaths Montgomery County, 2023, Confirmed as of 07/03/2023





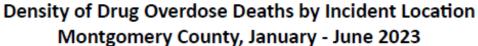
Ninety-eight percent of individuals who died of an overdose had **any lifetime contact** with the criminal justice system. **Eighty-nine percent** had a charge for a **non-traffic offense**. The percent of individual with a criminal charge increased from prior years. This is similar to prior years.

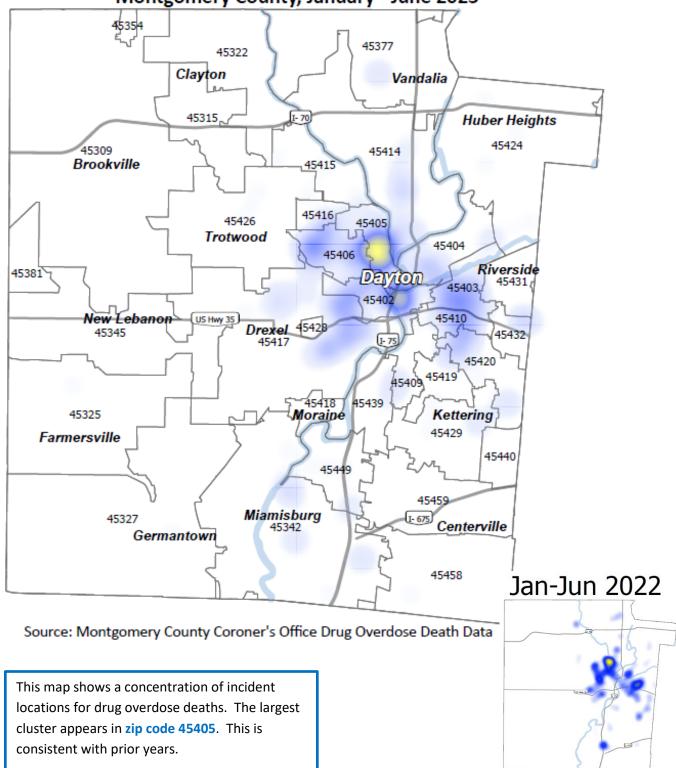
Days Between Criminal Justice Contact* and Overdose Deaths Montgomery County, 2023, Confirmed as of 07/3/2023

Time Between Last Contact and Death	Any Contact		Release From Jail		Drug Contact	
Ever	106	90%	89	75%	68	58%
Within 1 Year	53	45%	43	36%	19	16%
Within 1 Month	46	39%	35	30%	16	14%
Within 1 Week	18	15%	13	11%	7	6%

Note: Table includes all individuals who had contact during a listed time period. For example, "Within 1 Year" also includes individuals who had contact within one month and one week.

Forty-five percent (53 of 118) of individuals had contact with the criminal justice system within **one year** of death; 39% (46) had contact within **one month** of death and 15% (18) had contact within **one week** of death. The percent of individuals with a **jail booking within 6 months of death increased** from 24% in 2022. Contact is defined as a charge, court appearance, or jail booking.





Drug Overdose Emergency Department Visits

Data regarding drug overdose emergency department visits come from EpiCenter, Ohio's syndromic surveillance system. Drug-related visits were counted as overdoses if descriptions specifically stated the terms "OD" or "overdose." Drug-related visits with references to suicidal ideations or intentional self-harm, or to everyday drugs such as Tylenol or insulin, were excluded from overdose counts. Numbers in this section represent an estimate and may not reflect the true number of drug overdoses due to variability in visit descriptions and the inconsistent use of ICD codes.

Emergency Department Visits by County of Residence

Top 10 Ohio Counties with the Highest Number of Overdose Emergency Department visits by Home Location January – June 2023					
Rank	County	Number of Visits			
	All of Ohio	11,610			
1	Franklin	1,708			
2	Cuyahoga	1,541			
3	Hamilton	952			
4	Montgomery	707			
5	Lucas	452			
6	Mahoning	408			
7	Butler	405			
8	Lorain	340			
9	Trumbull	338			
10	Stark	263			

Top 10 Ohio Counties with the Highest Rates of Overdose Emergency Department visits by Home Location January – June 2022					
Rank	County	Rate (per 1,000)			
	All of Ohio	2.0			
1	Marion	4.2			
2	Mahoning	3.5			
3	Trumbull	3.3			
4	Richland	3.1			
5	Ashtabula	2.9			
6	Jefferson	2.8			
7	Allen	2.8			
8	Pickaway	2.8			
9	Scioto	2.8			
10	Columbiana	2.7			
12	Montgomery	2.7			

Montgomery County ranks
4th (of 88 counties) for the
highest number of drug
overdose (OD) visits to
emergency departments
(ED) and 12th (of 88
counties) for the highest
rate of such visits.

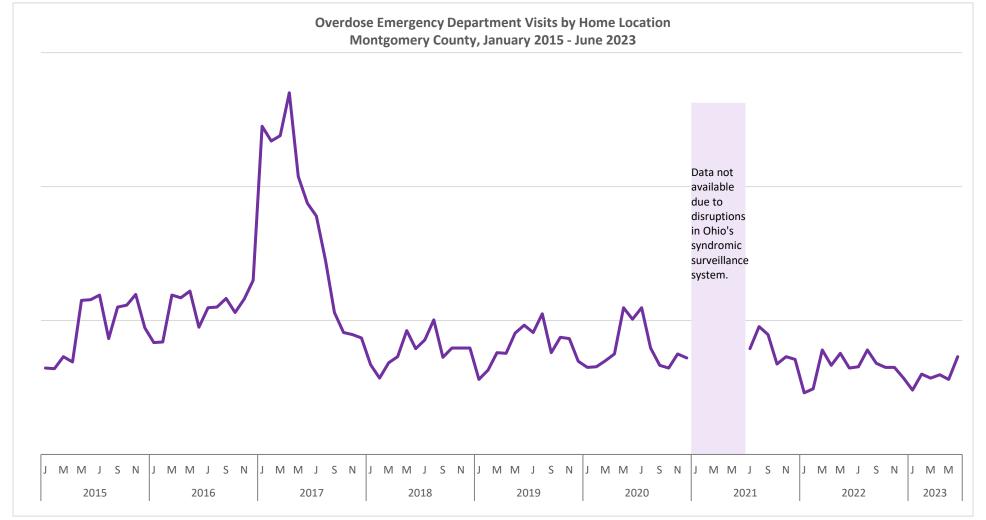
Note: Home location may be different than incident location. EpiCenter provides information on place of residence only.

Emergency Department Visits by Montgomery County Residents

Number of visits per month

Data Disruption The number of overdose visits per month peaked in the Spring of 2017, averaging 170.5 visits per month between January and June. The number also increased in late 2021 and 2022. Between 2018 and 2020, there was an average of 77.6 visits per month.

Following a disruption in Ohio's syndromic surveillance system in the first half of 2021, there was an average of 139.3 visits per month between July 2021 and December 2022. Between January and June 2023, there was an average of 117.8 visits per month, an 11% decline from the second half of 2022.



Visits by Facility

Hospital and County of Overdose Emergency Department Visits Montgomery County Residents, January – June 2023

Facility	Count	Percent	County
Miami Valley Hospital	250	35.4%	Montgomery
Grandview Medical Center	187	26.4%	Montgomery
Kettering Medical Center	70	9.9%	Montgomery
Sycamore Medical Center	40	5.7%	Montgomery
Miami Valley Hospital North	38	5.4%	Montgomery
Miami Valley Hospital South	18	2.5%	Montgomery
Southview Medical Center	17	2.4%	Montgomery
Atrium Medical Center	15	2.1%	Butler
Dayton Children's Hospital	10	1.4%	Montgomery
Soin Medical Center	10	1.4%	Greene
Other	52	7.4%	Multiple
Grand Total	707	100%	

Miami Valley Hospital had the highest percentage of Montgomery County resident overdose visits to their Emergency Department (35% of all visits). This is consistent with prior years. Ten percent (9.5% or 67 visits) of Montgomery County resident overdose ED visits were made to hospitals outside of Montgomery County.

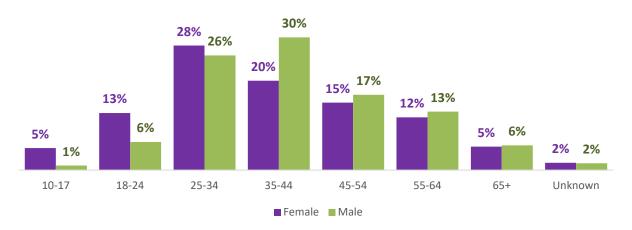
Overdose Emergency Department Visits per Patient Montgomery County Residents, January – June 2023

# of Visits	# of Patients	Percent
1	611	93.7%
2	30	4.6%
3	8	1.2%
4	3	0.5%
Total	652	100.0%

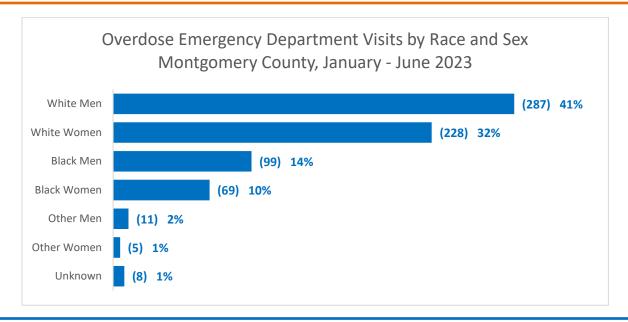
There was a total of 652 Montgomery County residents who visited an ED for a drug overdose in the first half of 2023 for a total of 707 visits. Of the 652 residents, 41 (6.3%) visited an ED for an overdose more than once. The percent of patients with multiple visits is consistent with prior years.

Age and Sex

Overdose Emergency Department Visits by Age and Sex Montgomery County, January - June 2023



Fifty-seven (57%) percent of overdose ED visits were male, 43% were female. This is consistent with prior years. Patients ages 25 to 54 years accounted for 68% of overdose ED visits in January to June 2023. Female patients tended to be younger than male patients; 19% of female patients were younger than 25 years of age, while 8% of male patients were younger than 25.



The most common group by race and sex was White men, who accounted for 41% of overdose visits, followed by White women (32%). Black men, who represent 10% of the population, accounted for 14% of visits.

Top 10 Montgomery County Zip Codes for Overdose by Home Location Emergency Department Visits by Percent of Visits, January – June 2023

Rank*	Zip Code	City	Number of Visits	Percent of Visits
1	45417	Dayton/Jefferson Township/Drexel	79	11.2%
2	45402	Dayton	55	7.8%
3	45405	Dayton	55	7.8%
4	45424	Huber Heights	47	6.6%
5	45342	Miamisburg	46	6.5%
6	45410	Dayton	46	6.5%
7	45420	Dayton/Kettering	40	5.7%
7	45403	Dayton	37	5.2%
9	45404	Dayton	34	4.8%
10	45414	Northridge	33	4.7%

^{*}Ranking based on number/percent of all ED visits

Zip code **45417** had the **highest number** of overdose ED visits (79 visits or 11.2% of all Montgomery County resident visits). This is consistent with prior years.

Top 10 Montgomery County Zip Codes for Overdose by Home Location Emergency Department Visits by Rate of Visits, January – June 2023

Rank*	Zip Code	City	Number of Visits	Rate [†]
1	45402	Dayton	55	10.5
2	45404	Dayton	34	6.3
3	45405	Dayton	55	5.7
4	45417	Dayton/Jefferson Township/Drexel	79	5.6
5	45410	Dayton	46	5.6
6	45403	Dayton	37	5.5
7	45420	Dayton/Kettering	40	3.3
8	45414	Northridge	33	3.2
9	45406	Dayton	32	3.2
10	45449	West Carrollton	27	2.9

^{*}Ranking based on rate of ED visits

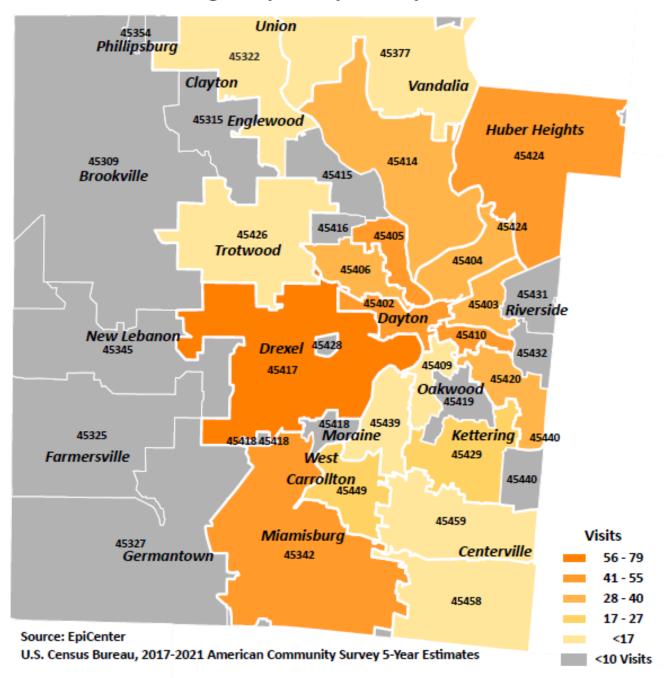
Zip code **45402** had the **highest rate** (10.5 per 1,000 per year) of overdose ED visits. Zip code 45417 falls to 4th when taking its population into account with a rate of 5.6 per 1,000 per year. Zip Code 45402 also had the highest rate in the first half of 2022.

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Note: Home location may be different than incident location. EpiCenter provides information on place of residence only.

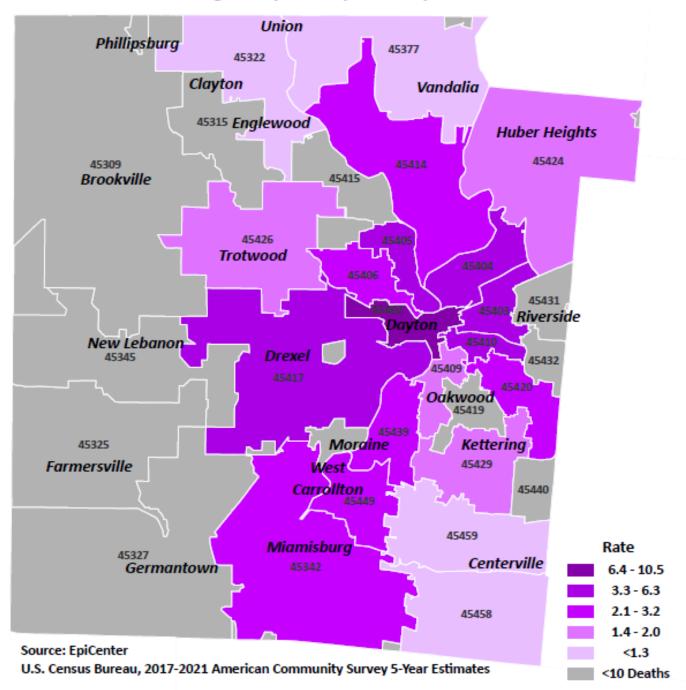
[†]Rate per 1,000 population

Number of Overdose Emergency Department Visits by Home Zip Code Montgomery County, January - June 2023



Note: 45417 includes a men's homeless shelter whose residents may be included in the above rates 45428 lies within 45417 and contains the Dayton Veteran's Administration Medical Center

Rate (per 1,000) of Overdose Emergency Department Visits by Home Zip Code Montgomery County, January - June 2023



Note: 45417 includes a men's homeless shelter whose residents may be included in the above rates 45428 lies within 45417 and contains the Dayton Veteran's Administration Medical Center

Harm Reduction Initiatives

Syringe Services (CarePoint)

The CarePoint Syringe Services program began on April 17, 2015. The program currently operates at three separate locations: Vogel Health Center, CarePoint Mobile Unit behind DayMont, and CarePoint Mobile Unit near East End Community Services. Services at the Life Enrichment Center ended in April 2021.

Between January and June 2023, there were 2,035 encounters and a total of 167,819 syringes exchanged. This represents a 7.3% increase in the number of encounters when compared with the first half of 2021, but a 0.4% decrease in the number of syringes exchanged.

CarePoint (Syringe Services) Encounters by Type and Location, January – June 2023						
Type of Encounter	Total	East End Mobile	Vogel	DayMont Mobile	Priority Site	
New Client	64	24	35	5	0	
Repeat Client	1,956	657	1,171	112	16	
Exchange for Other	15	7	7	1	0	
Total Encounters (%)	2,035 (100%)	688 (34%)	1,213 (60%)	18 (.01%)	16 (0.01%)	

CarePoint (Syringe Services) Exchanges and Distributions by Location, January – June 2023						
Exchange/Distribution	Total	East End Mobile	Vogel	DayMont Mobile	Priority Site	
Syringes Exchanged	167,819	43,256	103,360	11,603	9,600	
Alcohol Pads	74,291	27,110	43,401	3,780	0	
Cookers	7,586	2,912	4,283	391	0	
Ointment	7,469	2,779	4,266	424	0	
Tourniquets	3,723	1,394	2,118	211	0	
Condoms	2,563	955	1,446	162	0	
Lube	1,055	386	603	66	0	
Cotton Balls	1,138	427	638	73	0	

Naloxone Distribution and Overdose Reversals

Naloxone Kits Distributed to the Public January – June 2023

Location	Kits Distributed	Refills
Addiction Services Outreach Team	342	0
Project DAWN	1,584	347
Syringe Services	172	962
Total	2.089	1.309

From January to June 2023, Montgomery County agencies distributed 2,089 Naloxone kits to new recipients and refilled 1,309 for a total of 3,398 kits. This is a dramatic increase from the first half of 2022 when there were was a total of 2,616 kits distributed.

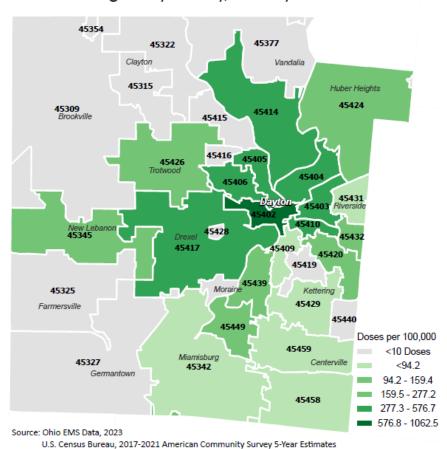
Note: For the purposes of this report, we will refer to Narcan® Nasal Spray by its generic name Naloxone.

Overdose Reversals with Naloxone Montgomery County, January – June 2023

	January - June
Project DAWN Reported Refills Due to Reversal*	206
Doses Administered by Emergency Medical Services**	1,192

^{*}Source: ADAMHS. Includes overdoses reported to Project DAWN at time of Naloxone kit refill.

Rate of Naloxone Doses Administered (per 100,000) Montgomery County, January - June 2023



EMS agencies in Montgomery County administered 1,192 doses of naloxone in the first half of 2023, a 7% decrease when compared to the first half of 2022 (1,290 doses). During this time, 206 kits from Project DAWN were used to reverse overdoses.

Zip Code **45402** had the highest rate of naloxone administration.

^{**}Source: Ohio Emergency Medical Services

Drug Seizure

Law Enforcement Drug Seizures and Forfeitures

The Regional Agencies Narcotics and Gun Enforcement (R.A.N.G.E.) Task Force includes twelve law enforcement agencies in Montgomery and Clark Counties and works to combat drug abuse and trafficking.

Miami Valley Bulk Smuggling Task Force includes six agencies that conduct criminal investigations utilizing their investigative authority to protect the citizens of the Miami Valley by disrupting and dismantling international drug trafficking organizations.

Dayton Police Department's (DPD) Narcotics Bureau drug seizures are also listed below.

Regional Agencies Narcotics and Gun Enforcement (R.A.N.G.E.) Task Force Drug Seizures January – June 2023

Drug	Jan-June
Cocaine (grams)	2,120
Crack Cocaine (grams)	32
Heroin (grams)	100
Fentanyl (grams)	6,970
Marijuana (grams)	27,472
THC Candies, Oil, Vape, Hash (grams)	28,331
Methamphetamine (grams)	13,726
Opioid Pain Pills (pills)	30,790
Xanax (grams)	0
Ecstasy (grams)	0

Note: A full list of agencies participating in R.A.N.G.E. and Miami Valley Bulk Smuggling Task Force is available in the addendum.

Miami Valley Bulk Smuggling Task Force Drugs Removed or Forfeited, January – June 2023

, ,	
Drug	Jan-Jun
Marijuana (grams)	26,274
Cocaine/Crack (grams)	24,058
Heroin (grams)	0
Fentanyl (grams)	69,533
Methamphetamine (grams)	10,437

Dayton Police Department Narcotics Drug Seizures January – June 2023

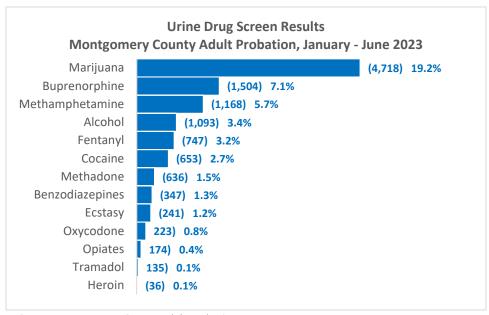
January June 2025	
Drug	Jan-Jun
Cocaine/Crack (grams)	4,233
Heroin (grams)	0
Methamphetamine (grams)	31,132
Fentanyl (grams)	11,993
Other Drugs (pills)	110
Drop Box (lbs)	123
Marijuana (grams)	73,874
Pharmaceuticals (dosage unit)	0

Drugs seized by law enforcement provide a snapshot of drugs present in the community.

Between January and June of 2023, the Miami Valley Bulk Smuggling Task Force, R.A.N.G.E., and Dayton Police Department's Narcotics Bureau seized a combined 127,620 grams of marijuana, 88,596 grams of heroin and fentanyl, 55,295 grams of methamphetamine, and 30,443 grams of cocaine and crack cocaine.

Drug Screen Results

The Montgomery County Jail conducts urine drug screenings upon consent for individuals who enter the jail. Screenings are offered to all individuals who enter the jail by NaphCare, the jail's medical services provider, to support care management. Individuals may be offered detoxification support, continuation of medication assisted treatment, or referral to treatment upon release.



Source: Montgomery County Adult Probation

Between January and June 2023, Montgomery County Adult Probation performed 13,118 urine drug screens. Nineteen percent (19%) tests were positive for marijuana. Seven percent (7%) were positive for buprenorphine and five percent (5%) were positive for methamphetamine.

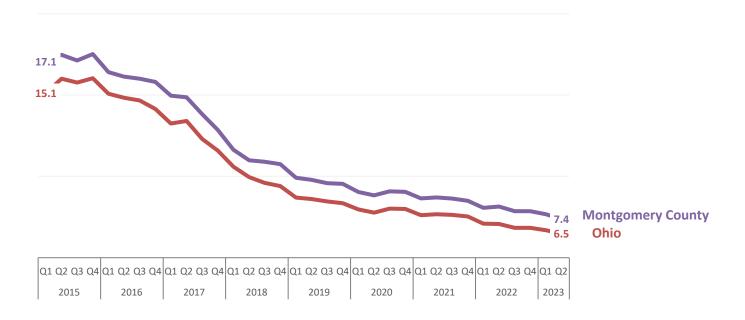
Prescription Opioids

Prescriptions by Quarter

Ohio Automated Rx Reporting System (OARRS)

The Ohio Automated Rx Reporting System (OARRS) allows prescribers and pharmacies to monitor opioid prescriptions and address overprescribing and "doctor shopping" in the state of Ohio. The charts below represent the number of doses dispensed per capita; this is the total number of doses sold to patients at pharmacies divided by the total population.

Opioid Doses Dispensed per Capita Montgomery County and Ohio; January 2015 - June 2023

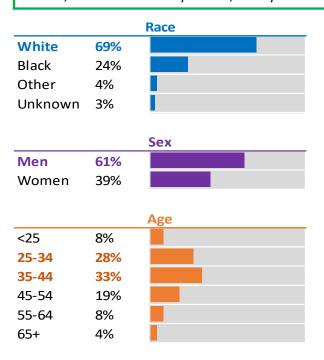


Between 2015 and June 2023, the rate of opioids dispensed per capita was higher in Montgomery County than in the State of Ohio. The number of opioid doses dispensed per capita decreased consistently between 2015 and 2019, and then declined at a slower rate through mid-2023.

Treatment

Montgomery County's Alcohol, Drug Addiction & Mental Health Services (ADAMHS) funds treatment and recovery supports for Substance Use Disorder through 16 providers, including 9 who provide medication assisted treatment. Between January and June 2022, **485 Montgomery County residents received services** through Greater Office Solutions Helper (GOSH), a billing system used by the majority of Ohio ADAMHS Boards to pay for contracted services for Substance Use Disorder (SUD).

In Montgomery County, this includes services paid for by the Human Services Levy. Services include early intervention, recovery housing, peer support services, outpatient services, partial hospitalization, clinically managed high-intensity residential services, and medically monitored inpatient services. Providers include Daybreak Inc., Eastway Corp., Goodwill Easter Seals Miami Valley, MonDay Community Correctional, Nova Behavioral, Project Cure, Public Health Addiction Services, Samaritan Behavioral Health Incorporated – OneFifteen, South Community, TCN Behavioral Health, Women's Recovery Center, Family Services Association, and Urban Minority Alcoholism &



Between January and June 2023, 485

Montgomery County residents received services for Substance Use Disorder (SUD)* through GOSH. Of those:

- Sixty-nine percent were White, 24% were Black.
- Sixty-one percent were men, 39% were women.
- Individuals between the ages of 25 and 44
 represented 61% of those who received SUD
 services.

Notes:

*Diagnoses include: F10 (Alcohol), F11 (Opioids), F12 (Cannabis), F13 (Sedatives), F14 (Cocaine), F15 (Stimulants), F16(Hallucinogens), F17 (Nicotine), F18 (Inhalants), and F19 (Other psychoactive substances/multiple drug use).

Data Limitations: These are only individuals enrolled in GOSH. This does not represent the total Montgomery County population due to the federal CFR 42 Part 2 rule restricting the sharing of Medicaid-only SUD patient data with county boards by OhioMHAS.

Addendum

R.A.N.G.E. Agencies Include:

- Homeland Security Investigation
- Montgomery County Sheriff's Office
- Clark County Sheriff's Office
- Clayton Police Department
- Dayton Police Department
- Englewood Police Department
- Five Rivers MetroParks Law Enforcement Department
- Franklin Police Department
- Germantown Police Department
- Jackson Township Police Department
- Miami Township Police Department
- Ohio State Highway Patrol

Miami Valley Bulk Smuggling Task Force Agencies Include:

- Montgomery County Sheriff's Office
- The Ohio State Highway Patrol
- Miami Township Police Department
- Butler Township Police Department
- Ohio Bureau of Criminal Investigation
- Homeland Security Investigations
- Montgomery County Prosecutor's Office