

# Data Unit 2021 Annual Report

## Community Overdose Action Team (COAT)

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Period: January 1, 2021 through December 31, 2021

Montgomery County, Ohio



**Community Overdose Action Team**  
*Working Together To Combat Overdoses and Drug Abuse*

Our goal is to reduce the number of fatal overdoses.

## **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.

### **COAT Data Sharing Unit Members:**

**Caresse Boyd** - Public Health - Dayton & Montgomery County

**Lt. Matthew Dickey** - Dayton Police Department

**Dawn Ebron** - Public Health - Dayton & Montgomery County

**Josh Gratsch** - Ascend Innovations Inc.

**Susan Herzfeld** - Public Health - Dayton & Montgomery County

**Dr. Matthew Juhascik** - Montgomery County Coroner's Office

**Dr. Sara Paton** - Wright State University

**Ashley Seybold** - Public Health - Dayton & Montgomery County

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## Executive Summary

The 2021 Community Overdose Action Team (COAT) Data Report provides an overview of overdose trends in the community. This report also includes data regarding prevention, treatment, harm reduction, and criminal justice efforts of COAT members and community agencies.

COAT Data: Five Year Overview					
Year	2017	2018	2019	2020	2021 <sup>+</sup>
Deaths	566	291	288	323	337
Emergency Dept Visits	4,266	2,002	2,062	2,047	*
Syringes Exchanged	125,383	206,983	296,182	292,504	324,638
Heroin/Fentanyl Seized (grams)	67,450	119,276	99,949	66,053	81,117
Opioid Doses Per Capita	56.5	44.3	38.8	36.0	32.6

\*Total ED Visits not available for 2021

+2021 death total is preliminary

### Data Sources Include:

Montgomery County Alcohol, Drug Addiction & Mental Health Services (ADAMHS) \* CarePoint Syringe Services  
 Dayton Police Department Narcotics Bureau \* Overdose Detection Mapping Application Program (ODMAP)  
 EpiCenter Syndromic Surveillance \* Montgomery County Coroner's Office \* JusticeWeb \* Ohio EMS  
 Miami Valley Bulk Smuggling Task Force \* Montgomery County Sheriff's Office \*  
 Montgomery County Adult Probation \* Ohio Automated Rx Reporting System (OARRS)  
 Regional Agencies Narcotics and Gun Enforcement (R.A.N.G.E.) Task Force

### Overdose Deaths

There were an estimated 337 overdose deaths in 2021; this is a 4% increase over 2020. The most common demographic groups were **Whites**, who represented 76% of deaths; **males** (62%); and individuals between the **ages of 35-44** (30%). When compared with 2020, the percent of individuals who were **women increased** by 13% and the percent who were **Black decreased** by 21%.

The most common drugs present in an individual's system at the time of death were **illicit fentanyl** (81%), **cocaine** (39%), **marijuana** (39%), and **methamphetamine** (37%). The percent of individuals with a mention of **fentanyl analogs increased by 85%** from 2020.

### Harm Reduction

In 2021, CarePoint **exchanged 324,638 clean syringes** with clients, an **11% increase** from 2020. Agencies in Montgomery County provided the public with **5,337 naloxone kits** in 2021, a **18% increase** from 2020.

### Drug Supply

Regional drug interdiction agencies seized **316,116 grams** of marijuana, **113,403 grams** of methamphetamine, **81,117 grams** of heroin and fentanyl, and **20,019 grams** of cocaine and crack cocaine. The Miami Valley Regional Crime Laboratory tested **10,103 drug samples**. The most common substances were **methamphetamine** (present in 23% of samples), **fentanyl** (16%), and **cocaine** (9%). Samples containing multiple substances primarily contained fentanyl with smaller amounts of other drugs.

### Urine Drug Screens

The Montgomery County Sheriff's Office tested 5,520 individuals booking into the jail who consented to a drug screen; the most common drugs present in screenings were **marijuana** (46%), **methamphetamine** (43%), and **fentanyl** (35%). Montgomery County Adult Probation conducted 23,900 screenings. The most common drugs present in these screenings were marijuana (15%) and methamphetamine (5%).

### Prescriptions

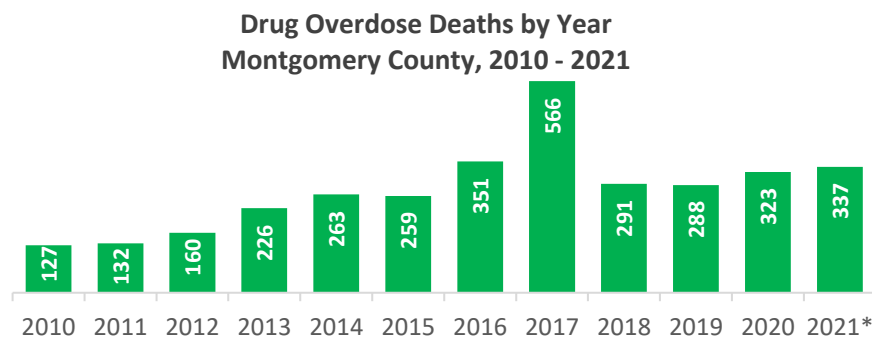
The number of **opioids prescribed continues to decline**. Between 2015 and 2021, the number of doses distributed per capita in Montgomery County declined by 53%.

## Drug Overdose Deaths

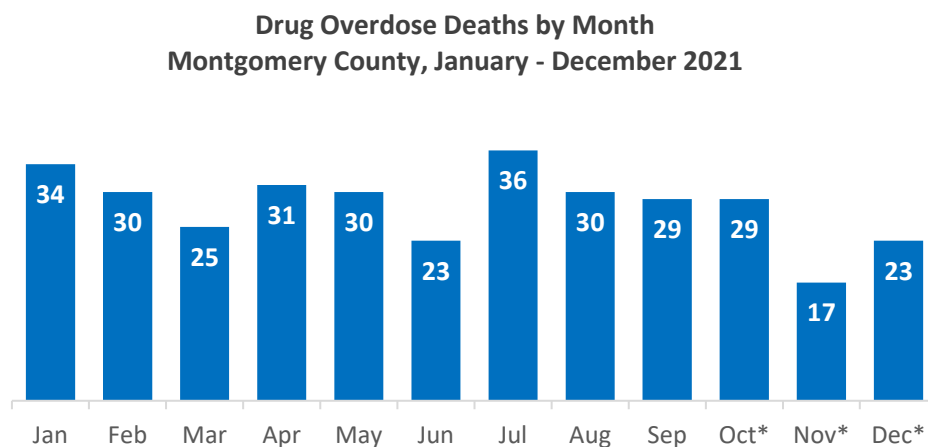
There were **337 suspected drug overdose deaths** in 2021; this is a **4% increase from 2020** when there were 332 confirmed deaths. While preliminary totals are available for the entirety of 2021, the Coroner’s Office has not finalized their investigation for all cases in the last quarter of the year. Therefore, this report describes the **329 cases** that were confirmed as of February 20, 2022.

Drug overdose deaths in this report include residents and non-residents of Montgomery County who died in Montgomery County. This report does not include residents who died outside of Montgomery County. Overdose death data are provided by the Montgomery County Coroner’s Office.

### Overdose Deaths by Month and Year

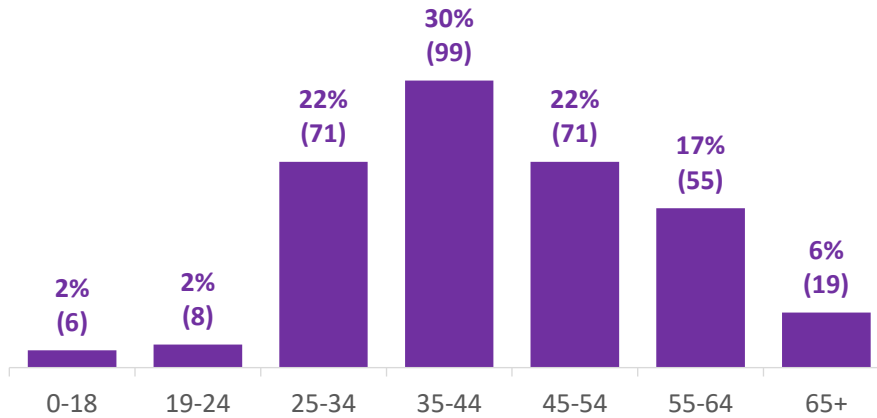


The number of overdose deaths occurring in Montgomery County **peaked in 2017** with 566 occurring in that year. **Between 2017 and 2018 there was a 49% decrease** to 291; 2018 and 2019 had similar totals. There was a 12% increase in 2020, and with October through December still preliminary, **2021 is on track to be 4% higher than 2020**. Of the months in 2021 with complete data, **July had the highest number of deaths** at 36.



## Demographics

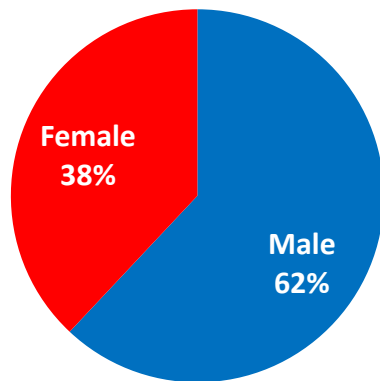
**Drug Overdose Deaths by Age Group**  
Montgomery County, 2021, Confirmed as of 2/20/2021



\*Due to rounding, percentages do not sum to 100%.

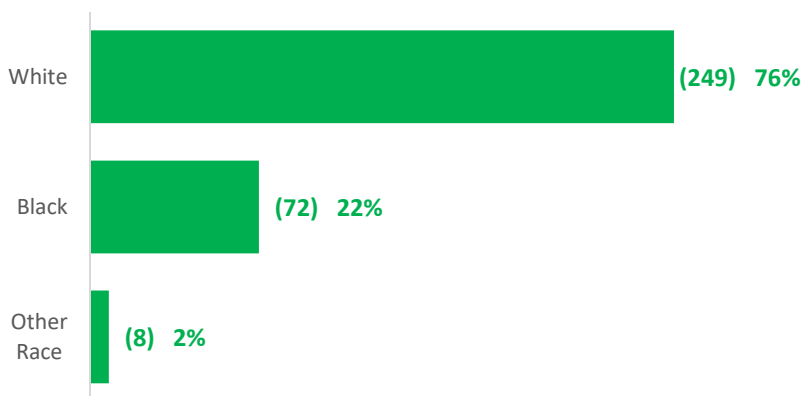
The highest percentage of drug overdose deaths occurred in the age group **35 to 44 years** (31%). Seventy-three percent of drug overdose deaths occurred among individuals aged 25 to 54 years.

**Drug Overdose Deaths by Sex**  
Montgomery County, 2021, Confirmed as of 2/20/2021



**Thirty-eight percent** (125 of 329) of individuals who died of a drug overdose were **female**. This is a **small increase from 2020** when 34% of overdose deaths were among women.

**Drug Overdose Deaths by Race**  
Montgomery County, 2021, Confirmed as of 2/20/2021



**Whites** accounted for **seventy-six percent** (76%) of confirmed drug overdose deaths in 2021. Seventy-two (72) of the 329 drug overdose deaths were among **Blacks** (22% of the total). This is a **21% decrease** from 2020 when 28% of deaths were among Blacks.

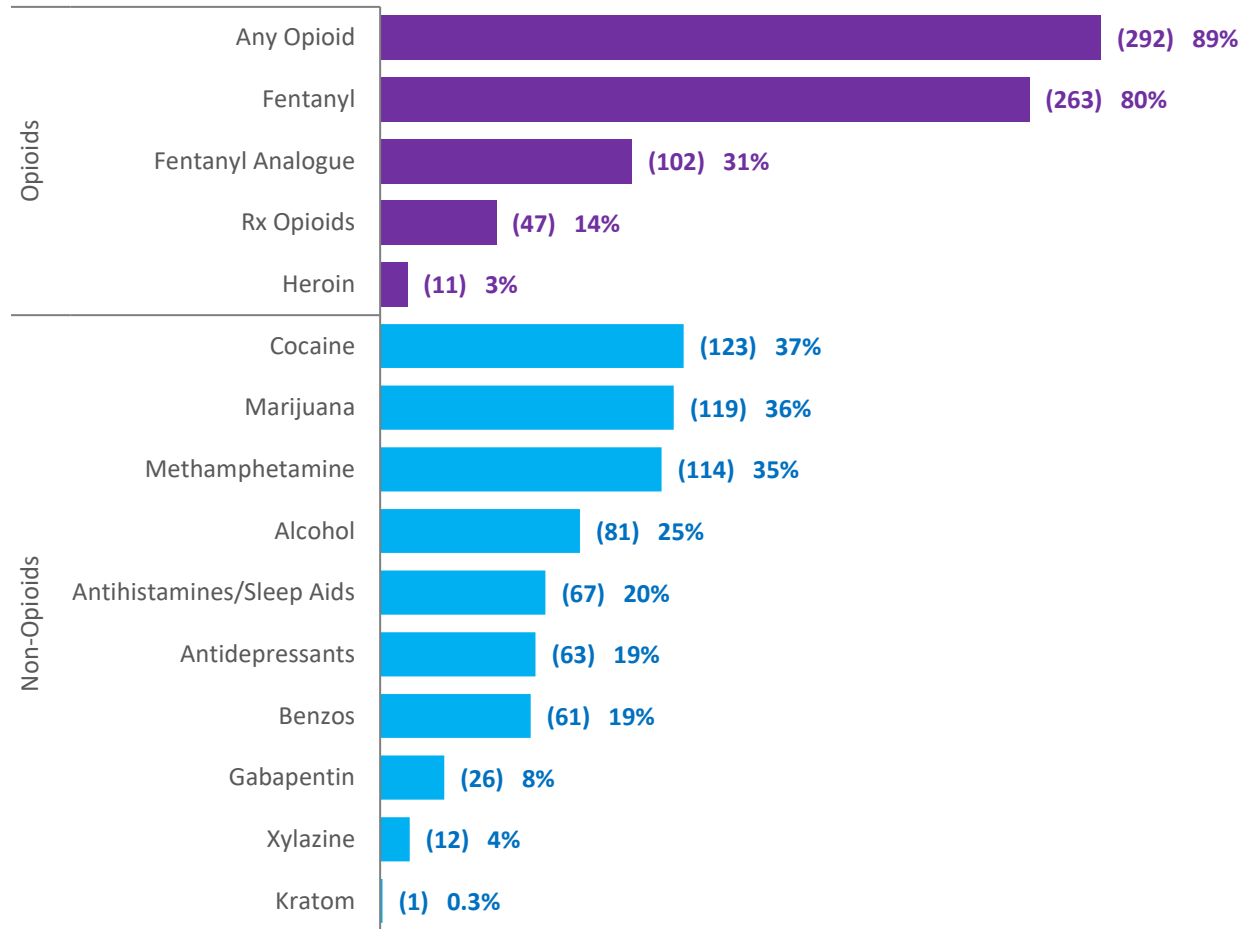
Note: Due to rounding, percentages may not sum to 100%.

## 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.

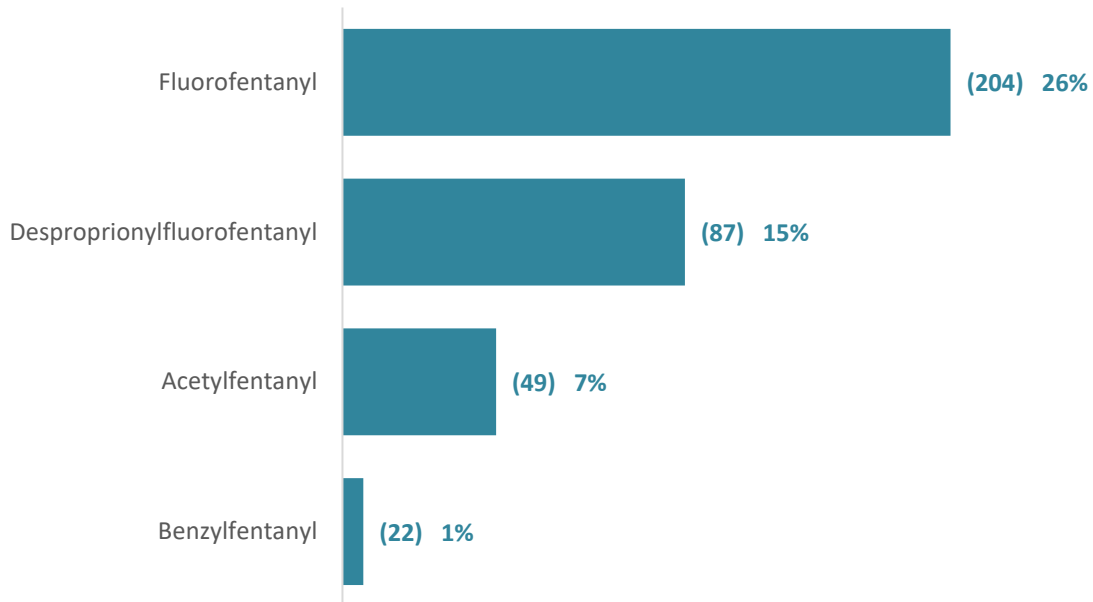
**Drug Mentions in Drug Overdose Deaths  
Montgomery County, 2021, Confirmed as of 2/20/2021**



Of those who died from a drug overdose, 80% had **illicit fentanyl** in their system. This was the most common drug in 2021. **Cocaine, marijuana, and methamphetamine** were the next most common drugs mentioned, present in 37%, 36% and 35% of overdose deaths respectively. When compared with 2020, **fentanyl analogs** (drugs with a similar chemical structure to fentanyl) **increased by 85%** (from 17% to 31%) and **heroin decreased from 5% to 3% of deaths**.

## Fentanyl Analogs

Types of Fentanyl Analogues in Drug Overdose Deaths  
Montgomery County, 2021, Confirmed as of 2/20/2021



**Fluorofentanyl** (found in **26% of all confirmed overdose deaths** in 2021) was the most common fentanyl analog found during drug overdose autopsies. This is an **increase** from 2020 when four deaths (1% of the total) involved this substance.

**Carfentanil**, which contributed to the surge in overdose deaths in 2017, **was not present in any deaths in 2020 or 2021.**

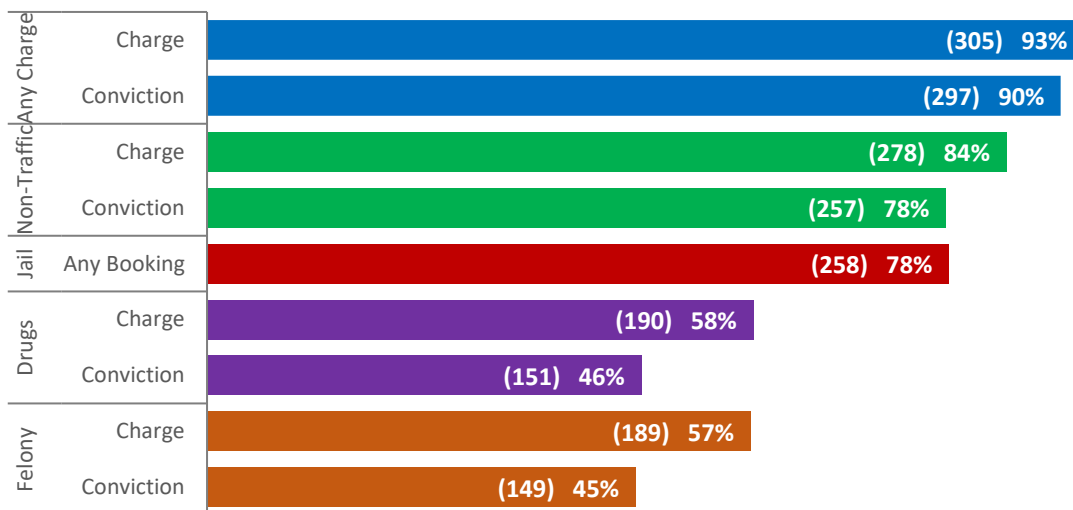


## Criminal History

This section presents law enforcement data on the individuals who died of a drug overdose in Montgomery County in 2021. These data are collected from JusticeWeb, a portal that aggregates information from criminal justice agencies in and around Montgomery County. Note that criminal justice involvement with agencies in other areas who do not report to JusticeWeb will not appear below.

### Lifetime Cases and Convictions in Overdose Deaths Montgomery County, 2021, Confirmed as of 02/20/2021

(Includes data reported to JusticeWeb)



**Ninety-three percent** of individuals who died of an overdose had **any lifetime contact** with the criminal justice system. **Eighty-four percent** had a charge for a **non-traffic offense**.

### Days Between Criminal Justice Contact\* and Overdose Deaths Montgomery County, 2021, Confirmed as of 02/20/2021

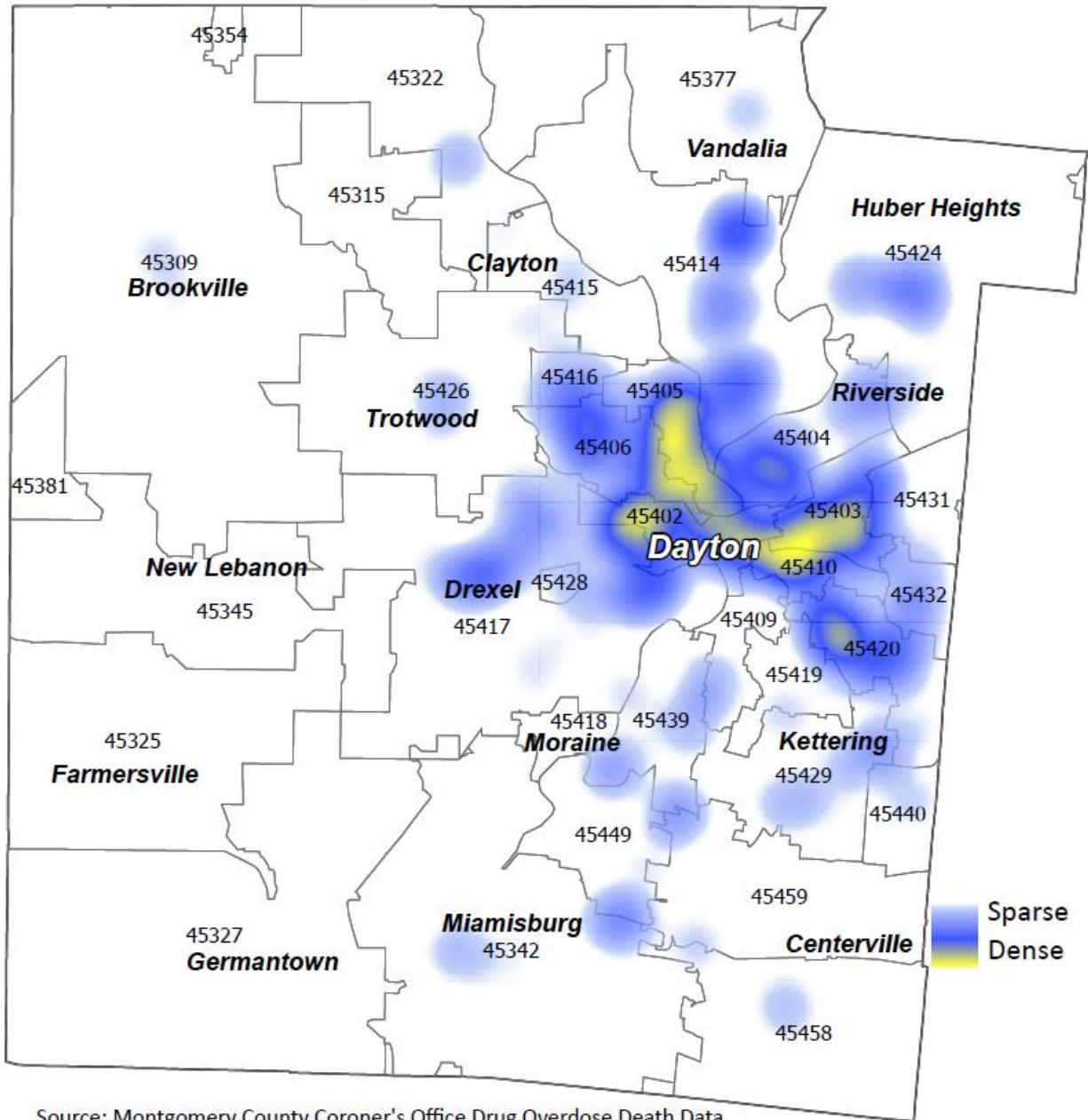
Time Between Last Contact and Death	Any Contact		Release From Jail		Drug Contact	
	#	%	#	%	#	%
Ever	305	93%	258	78%	190	58%
Within 1 Year	153	47%	82	25%	58	18%
Within 6 Months	113	34%	56	17%	40	12%
Within 1 Month	45	14%	21	6%	9	3%

\*Contact includes a charge, court appearance, or release from jail.

While 93% (305) of individuals had any charge with the criminal justice system, 47% (153) had a charge, court appearance, or release from jail within **one year** of death. The percent who had a **release from jail within one year of death decreased** from 32% to 25%.

**Incident Location**

**Density of Drug Overdose Deaths by Incident Location  
Montgomery County, 2021; Confirmed as of 2/20/22**



Source: Montgomery County Coroner's Office Drug Overdose Death Data

This map shows areas with a high density of incident locations for drug overdose deaths. The largest clusters appear in **East Dayton** and **zip code 45405**.

## 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." Visits with references to suicidal ideations or intentional self-harm or to everyday drugs such as Tylenol or insulin were not included. 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. **Because of changes in Ohio's Syndromic Surveillance system, Premier Health was not consistently reporting hospital visits between January and June 2021; this connection was restored in the second half of the year.**

### Emergency Department Visits by County

Top 10 Ohio Counties with the Highest Number of Overdose Emergency Department visits by Home Location, July – December 2021		
Rank	County	Number of Visits
	All of Ohio	14,091
1	Franklin	1,836
2	Cuyahoga	1,518
3	Hamilton	1,000
4	Montgomery	948
5	Lucas	664
6	Summit	590
7	Butler	495
8	Mahoning	414
9	Trumbull	405
10	Lorain	359

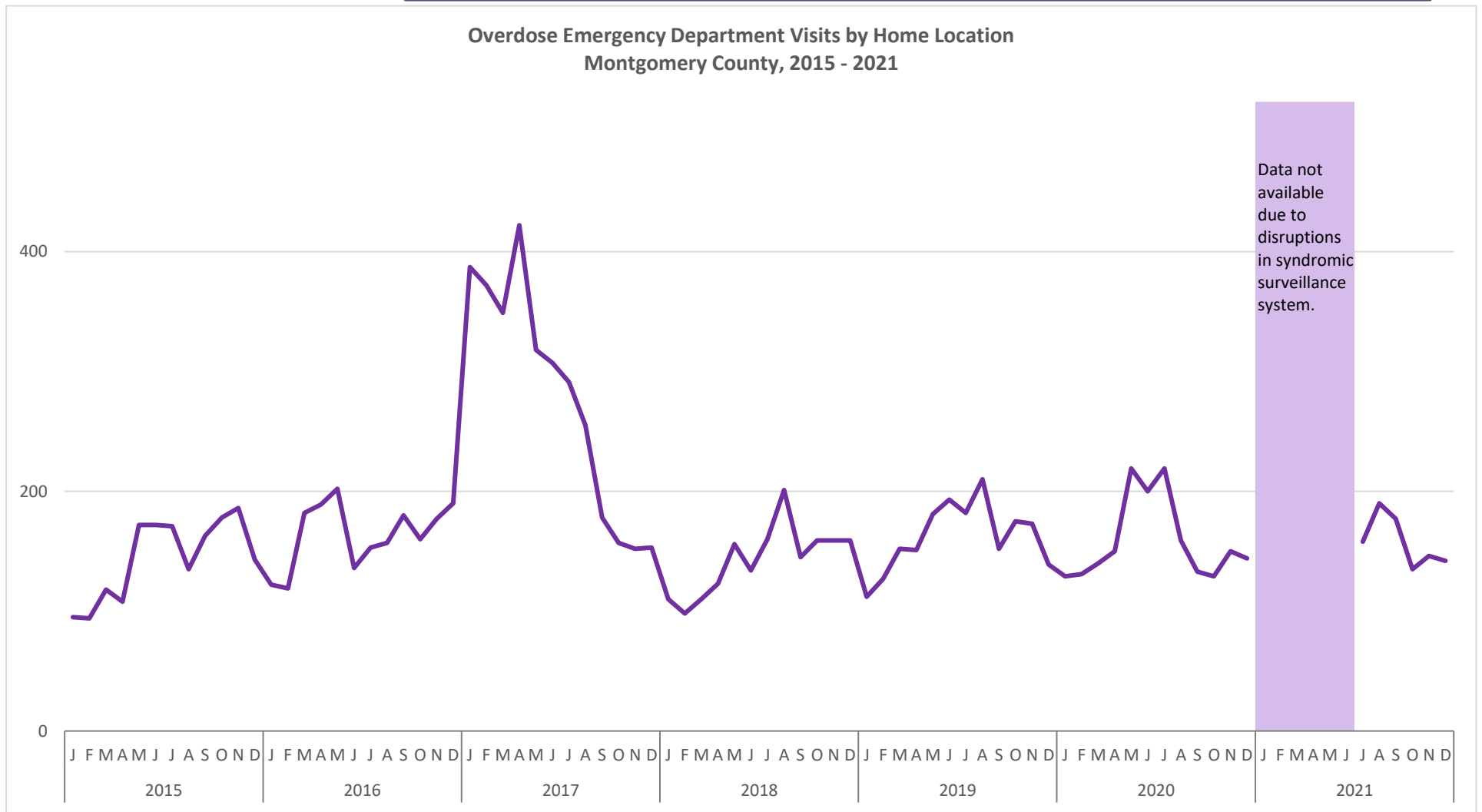
Top 10 Ohio Counties with the Highest Rates of Overdose Emergency Department visits by Home Location, July – December 2021		
Rank	County	Rate (per 100,000)
	All of Ohio	2.4
1	Ross	5.7
2	Fayette	4.5
3	Jackson	4.4
4	Marion	4.3
5	Guernsey	4.2
6	Richland	4.1
7	Sandusky	4.0
8	Trumbull	4.0
9	Mahoning	3.6
10	Gallia	3.6
11	Montgomery	3.6

**Montgomery County** ranks **4<sup>th</sup>** (of 88 counties) for the **highest number** of drug overdose (OD) visits to emergency departments (ED) and **11<sup>th</sup>** (of 88 counties) for the **highest rate** of such visits in the second half of 2021.

## Emergency Department Visits by Montgomery County Residents

— Number of visits per month

Because of changes in Ohio's Syndromic Surveillance system, Premier Health was not consistently reporting hospital visits between January and June 2021; this connection was restored in the second half of the year. Between **July and December 2021**, there were **948 overdose ED visits** made by Montgomery County residents. This is **similar to the second half of 2020** when there were 934 visits. This is an average of 5.2 visits per day in the second half of 2021.



Visits by Facility

**Overdose Emergency Department Visits by Hospital  
Montgomery County Residents, July – December 2021**

Facility	Count	Percent	County
Grandview Medical Center	501	34.2%	Montgomery
Miami Valley Hospital	373	25.5%	Montgomery
Kettering Medical Center	177	12.1%	Montgomery
Sycamore Medical Center	96	6.6%	Montgomery
Miami Valley Hospital North	75	5.1%	Montgomery
Southview Medical Center	41	2.8%	Montgomery
Soin Medical Center	39	2.7%	Greene
Huber Health Center Urgent Care	35	2.4%	Montgomery
Miami Valley Hospital South	26	1.8%	Montgomery
Dayton Children's Hospital	16	1.1%	Montgomery
Atrium Medical Center	15	1.0%	Butler
Greene Memorial Hospital	12	0.8%	Greene
Kettering Health Network Emergency - Franklin	12	0.8%	Warren
Other	46	3.1%	Multiple
Unknown	1	0.1%	Unknown
<b>Grand Total</b>	<b>1,464</b>	<b>100%</b>	

\*Due to rounding, percentages do not sum to 100%.

**Between July and December 2021**, when all Montgomery County hospitals were again reporting data to EpiCenter, **Miami Valley Hospital** had the highest percentage of Montgomery County resident overdose visits to their Emergency Department (34.9% of all visits). Seven percent (6.5% or 62 visits) of Montgomery County resident overdose ED visits were made to hospitals outside of Montgomery County during this time.

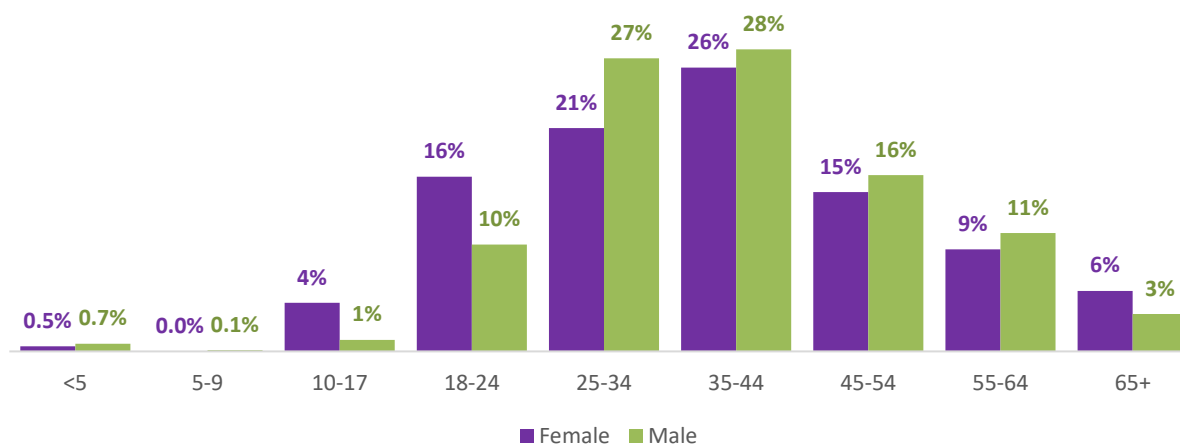
### Overdose Emergency Department Visits per Patient Montgomery County Residents, 2021

# of Visits	# of Patients	Percent
1	1,148	90.5%
2	94	7.4%
3	17	1.3%
4	8	0.6%
5	0	0.0%
6 or more	2	0.2%
Total	1,269	100.0%

There were 1,269 Montgomery County residents who visited an ED for a drug overdose in 2021 for a total of 1,464 visits reported to EpiCenter. Of the 1,269 residents, 121 or **9.5% visited an ED for an overdose more than once**. This is **similar to 2020**, when 10.9% of patients also had more than one visit.

### Age and Sex

#### Overdose Emergency Department Visits by Age and Sex Montgomery County, 2021



\*Due to rounding, percentages do not sum to 100%.

**Fifty-seven (57%) percent** of overdose Emergency Department visits were made by **males**. The percent who were male was **similar to 2020**.

Patients ages **25 to 54** years accounted for 67% of overdose ED visits in 2021.

## Home Zip Code

### Top 10 Montgomery County Zip Codes for Overdose by Home Location Emergency Department Visits by Percent of Visits, July – December 2021

Rank*	Zip Code	City	Number of Visits	Percent of Visits
1	45417	Dayton/Jefferson Township/Drexel	120	12.7%
2	45402	Dayton	78	8.2%
3	45405	Dayton	71	7.5%
4	45406	Dayton	57	6.0%
5	45403	Dayton	55	5.8%
6	45410	Dayton	53	5.6%
7	45414	Northridge	50	5.3%
7	45424	Huber Heights	50	5.3%
9	45420	Dayton/Kettering	46	4.9%
10	45342	Miamisburg	41	4.3%

\*Ranking based on number/percent of all ED visits

Zip code **45417** had the **highest number** of overdose ED visits (120 visits or 12.7% of all Montgomery County resident visits reported to EpiCenter) in the second half of 2021. This was also the zip code with the highest number of visits in 2020 with 203 visits.

### Top 10 Montgomery County Zip Codes for Overdose by Home Location Emergency Department Visits by Rate of Visits, July – December 2021

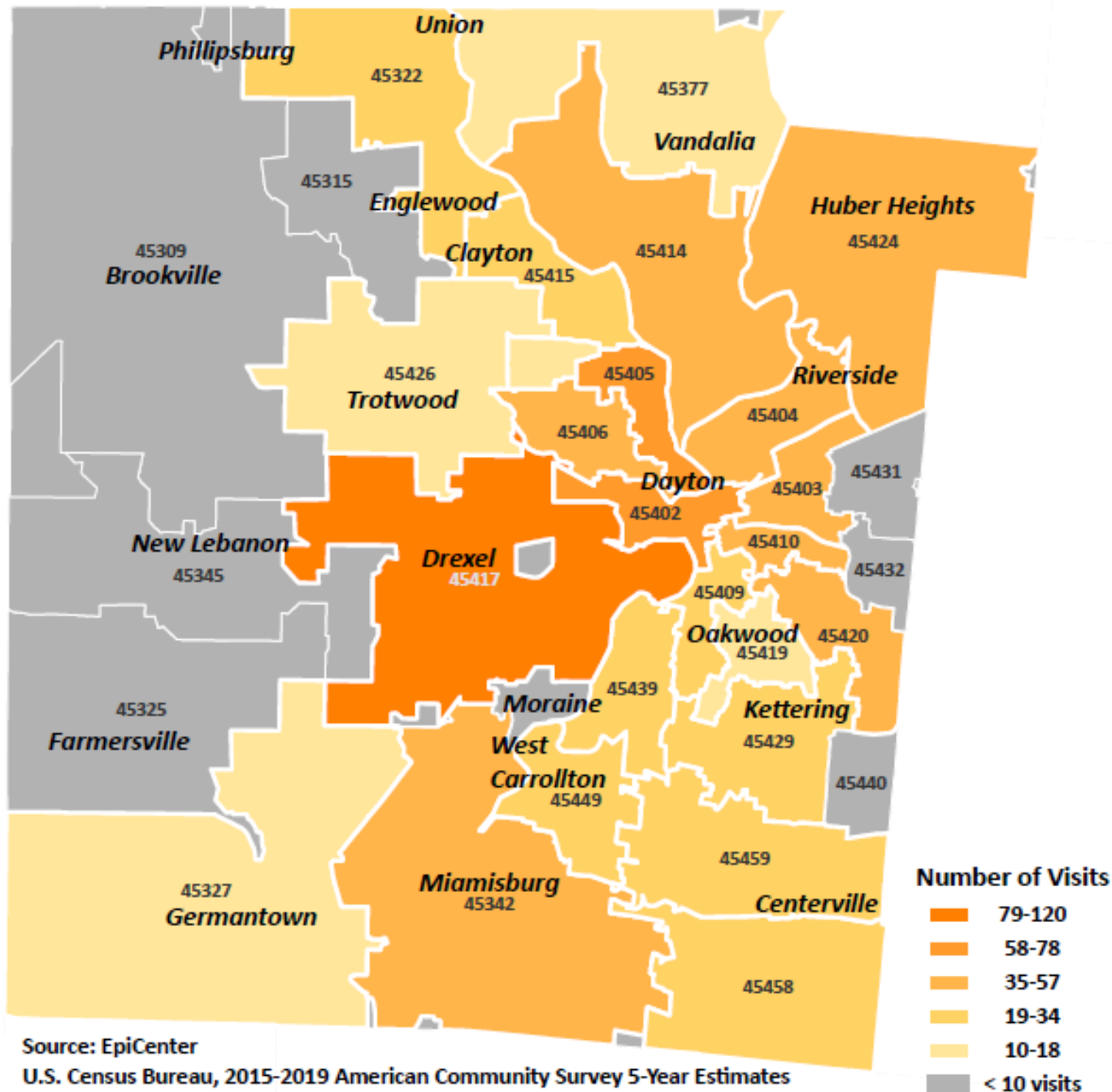
Rank*	Zip Code	City	Number of Visits	Rate <sup>†</sup>
1	45402	Dayton	78	15.6
2	45405	Dayton	71	8.2
3	45417	Dayton/Jefferson Township/Drexel	120	7.8
4	45404	Dayton	40	7.7
5	45403	Dayton	55	7.0
6	45439	Dayton	34	6.7
7	45410	Dayton	53	6.7
8	45416	Trotwood	18	6.2
9	45406	Dayton	57	5.6
10	45414	Northridge	50	4.9

\*Ranking based on rate of ED visits

<sup>†</sup>Rate per 1,000 population

Zip code **45402** had the **highest rate** (15.6 per 1,000 per year) of overdose ED visits in the second half of 2021; 45402 also had the highest rate in 2020. Zip code 45417 falls to 6<sup>th</sup> when taking its population into account with a rate of 7.8 per 1,000.

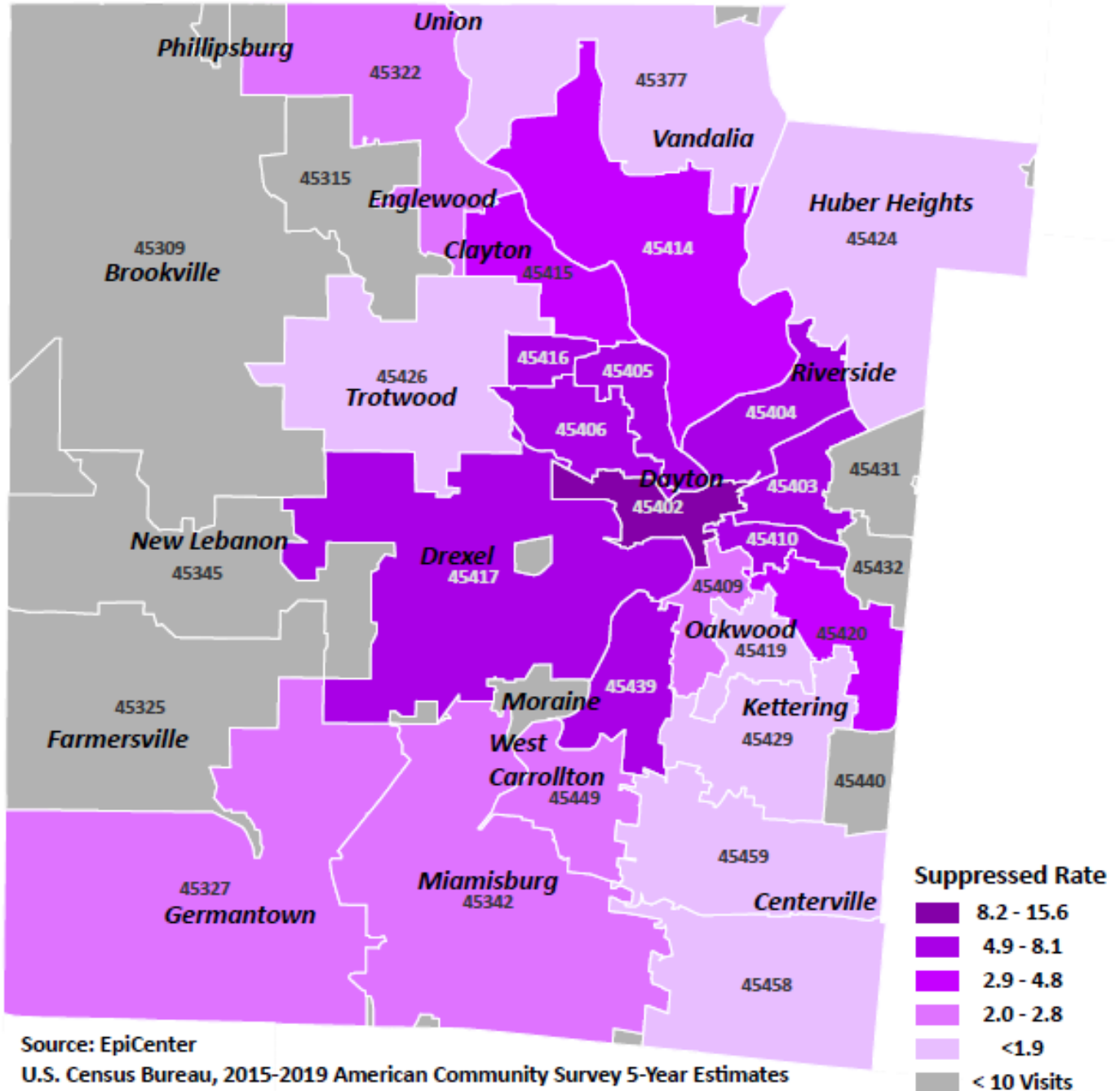
## Number of Overdose Emergency Department Visits by Home Zip Code Montgomery County, July - December 2021



Note: 45417 includes a men’s homeless shelter whose residents may be included in the above rates  
45428 (at the center of 45417) contains the Dayton Veteran’s Administration Medical Center



## Rate of Overdose Emergency Department Visits by Home Zip Code Montgomery County, July - December 2021



Note: 45417 includes a men’s homeless shelter whose residents may be included in the above rates  
45428 (at the center of 45417) contains the Dayton Veteran’s Administration Medical Center

## Harm Reduction Initiatives

### Syringe Services (CarePoint)

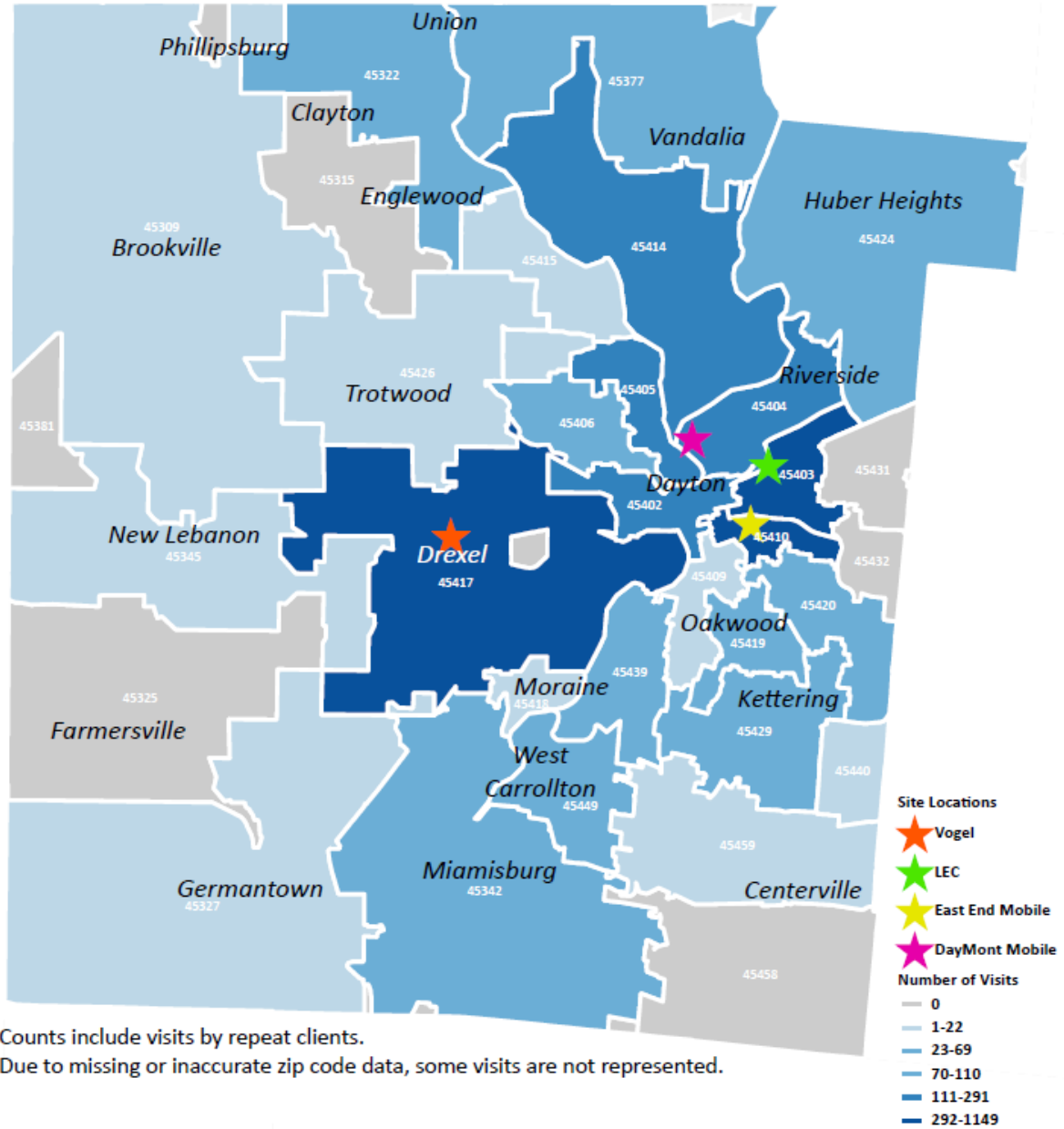
The CarePoint Syringe Services program began on April 17, 2015. The program currently operates at three separate locations: Vogel Health Center, and the CarePoint Mobile Unit near East End Community Services and at DayMont.

CarePoint (Syringe Services) Visits by Type and Location, 2021						
Type of Encounter	Total	LEC	East End Mobile	Vogel	DayMont Mobile	Priority Site
New Client	172	43	31	88	7	3
Repeat Client	4,601	984	1,114	2,245	245	13
Exchange for Other	27	9	5	12	1	0
<b>Total Encounters (%)</b>	<b>4,800 (100%)</b>	<b>1,036 (22%)</b>	<b>1,150 (24%)</b>	<b>2,345 (49%)</b>	<b>253 (5.3%)</b>	<b>16 (0.3%)</b>

CarePoint (Syringe Services) Exchanges and Distributions by Location, 2021						
Exchange/Distribution	Total	LEC	East End Mobile	Vogel	DayMont Mobile	Priority Site
Syringes Exchanged	324,638	47,364	60,974	189,041	17,559	9,700
Condoms Distributed	7,127	1,497	1,767	3,372	491	0
Lube Distributed	4,071	751	973	2,043	304	0
Alcohol Pads Distributed	188,433	33,670	42,266	102,717	9,780	0
Cotton Balls Distributed	2,609	538	546	1,386	139	0
Ointment Distributed	25,832	5,201	6,110	12,996	1,525	0
Cookers Distributed	20,508	3,663	4,966	10,683	1,196	0
Tourniquets Distributed	7,856	1,506	1,976	3,980	394	0

In 2021, CarePoint **exchanged 324,638 syringes** with its clients. This is **an 11% increase from 2020** when there were 292,504 syringes exchanged.

## Visits to Syringe Services Program by Zip Code, 2021





## Naloxone Distribution and Overdose Reversals

Naloxone Kits Distributed to the Public Montgomery County, 2021		
Location	Kits Distributed	Refills
Addiction Services Outreach Team	398	0
GROW Teams	13	0
Project DAWN	1,756	757
Syringe Services	256	1,836

In 2021, the Montgomery County agencies listed above **distributed 2,423** naloxone kits and **refilled 2,593** for a **total of 5,016** kits. This is a **similar to the total in 2020** when there were 4,884 total kits distributed.

Agencies Carrying Naloxone Montgomery County, 2021			
Agency Type	# Agencies Carrying Naloxone	# Total Agencies	% Agencies Carrying Naloxone
Law Enforcement	27	29	93%
Fire Department (Non-EMS Vehicles)	11	24	46%
<b>Total</b>	<b>38</b>	<b>53</b>	<b>72%</b>

Note: In addition, two municipal court buildings, the Juvenile Court and one probation department carry Naloxone.

**Twenty-seven (27) law enforcement agencies and 11 fire departments' non-EMS vehicles** now carry naloxone in Montgomery County.

Overdose Reversals with Naloxone Montgomery County, 2021		
Time Period	Project DAWN Naloxone Kits Used in Reversals*	Doses Administered by Emergency Medical Services**
January-June	120	1,914
July-December	98	1,962
<b>Total</b>	<b>218</b>	<b>3,876</b>

\*Source: ADAMHS. Includes kits not reported expired at time of Naloxone kit refill.

\*\*Source: Ohio Emergency Medical Services.

EMS agencies in Montgomery County **administered 3,876 doses** of naloxone in 2021. This is a **decrease** from 4,124 in 2020 but is similar to the total in 2019. Refills of **218 kits** at Project DAWN may have been due to use in an **overdose reversal**.

## 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 nine agencies who operate a tip line and intercept smuggled drugs in the Dayton Area.

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, 2021

Drug	Jan-June	July-Dec
Cocaine/Crack (grams)	2,384	9.3
Heroin/Fentanyl (grams)	596	5,509
Marijuana (processed)	28,375	20,101
Marijuana (plants)	-	1
Methamphetamine (grams)	14,361	14,705
Opioids (pills)	7,311	300
Xanax (pills/bars)	65	210
THC Candies, Oil, Vape	673	2,000
Psilocybin Mushrooms	-	-

### Miami Valley Bulk Smuggling Task Force Drugs Removed or Forfeited, 2021

Drug	Jan-Jun	Jul-Dec
Marijuana (grams)	146,510	121,130
Cocaine/Crack (grams)	2,000	4,471
Heroin (grams)	1,064	1,000
Fentanyl (grams)	2,982	12,000
Methamphetamine (grams)	4,566	2,400

### Dayton Police Department Narcotics Drug Seizures, 2021

Drug	Jan-Jun	Jul-Dec
Cocaine/Crack (grams)	8,808	1,453
Heroin (grams)	484	3,963
Methamphetamine (grams)	75,741	1,630
Fentanyl (grams)	25,910	27,609
Other Drugs (grams)	116	493
Drop Box (lbs)	577	24

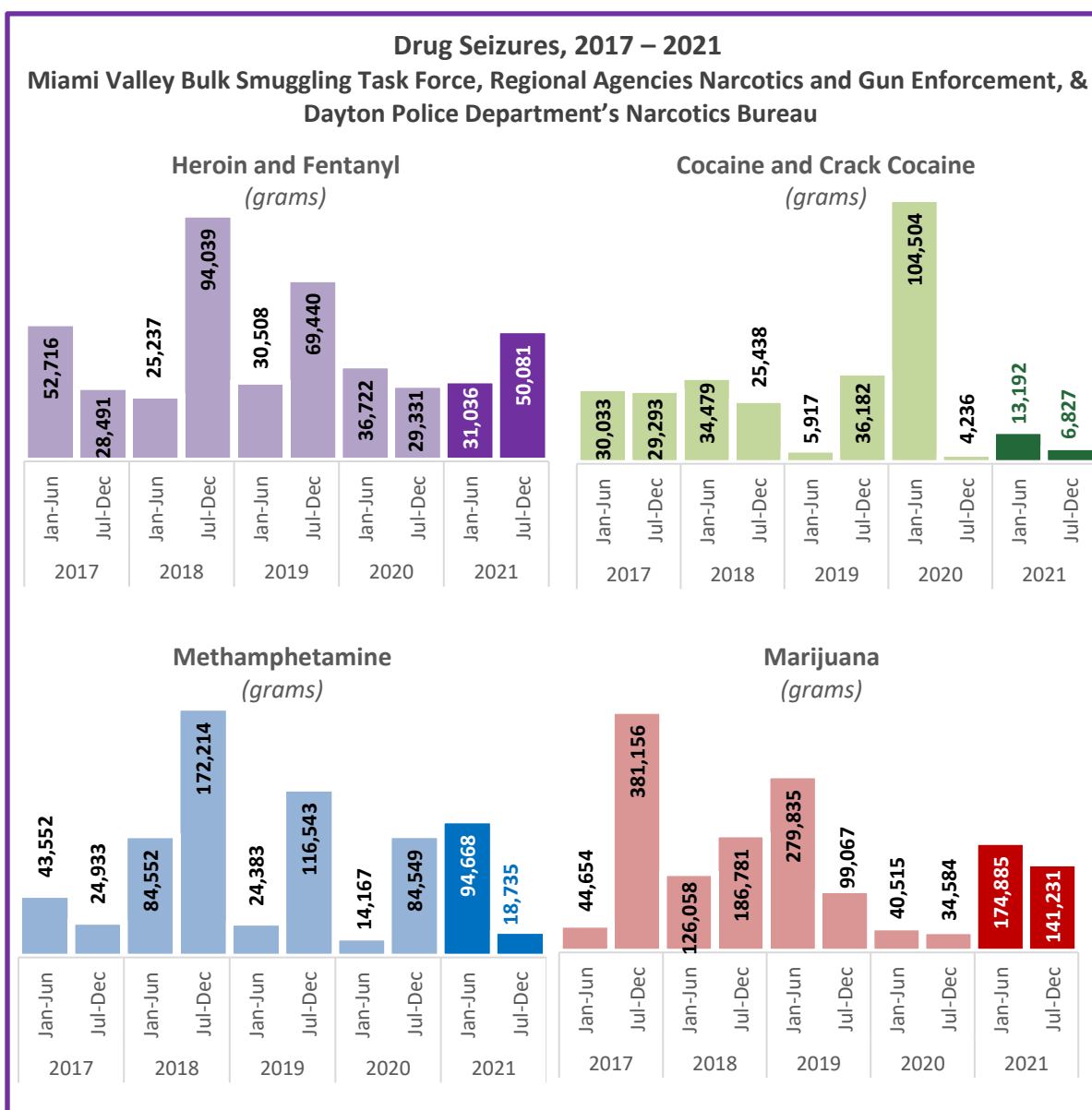
*Note: A full list of agencies participating in RANGE and Miami Valley Bulk Smuggling Task Force is available in the addendum.*

## Drugs Seized

Drugs seized by law enforcement provide a snapshot of drugs present in the community. In 2021, the Miami Valley Bulk Smuggling Task Force, R.A.N.G.E., and Dayton Police Department's Narcotics Bureau seized a combined 316,116 grams of marijuana; 113,403 grams of methamphetamine; 81,117 grams of heroin and fentanyl; and 20,019 grams of cocaine and crack cocaine.

In 2021, the number of grams seized of **marijuana was 4.2 times higher** than in 2020. During the same time period, grams seized of **heroin and fentanyl increased** by 23%, **methamphetamine increased** by 15%, and **cocaine/crack cocaine decreased** by 82%.

*Note: Totals above may differ slightly from Tables (page 23) and Figures (page 24) due to rounding.*



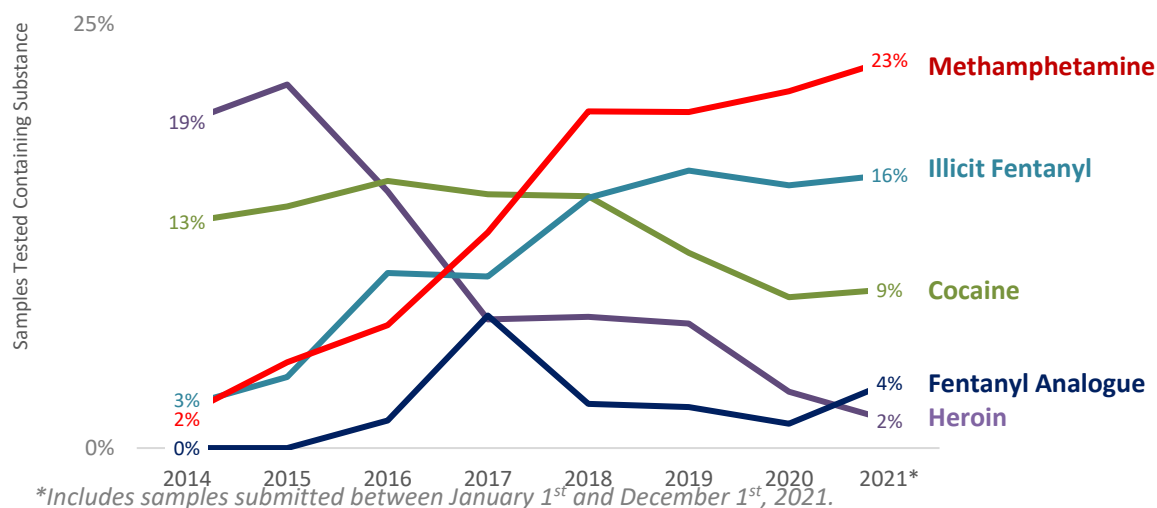
## Miami Valley Regional Crime Laboratory

The Miami Valley Regional Crime Laboratory (MVRCL) handles approximately 8,000 cases per year for 70 law enforcement agencies. Between January 1<sup>st</sup> and December 1<sup>st</sup> of 2021, the MVRCL tested 10,103 drug samples. **Methamphetamine** was most common (2,314 samples), followed by **fentanyl** (1,629) and **cocaine** (947).

Between 2014 and 2021, the percent of samples including **methamphetamine increased** from 2% to 23%, the percent including **fentanyl increased** from 3% to 16%, and the percent involving **heroin decreased** from 19% to 2%. The percent including **cocaine was stable between 2014 and 2018 before declining** from 15% to 9% in 2020.

The percent of samples including **fentanyl analogs experienced a one-year spike in 2017**. Opioid analogs in 2021 include fluorofentanyl, fluorofentanyl (para isomer), acetylfentanyl, chlorofentanyl, valeryl fentanyl, and benzyl fentanyl. The percent of samples with **fentanyl analogues increased** in 2021 from 1% to 4%.

### Drugs Present in Samples Tested, 2010-2021



Note: The Crime Laboratory did not begin testing for Fentanyl and its analogs until the second half of 2014.

### Mixed-Substance Samples

The Crime Lab provided the following information regarding mixed-substance or laced samples.

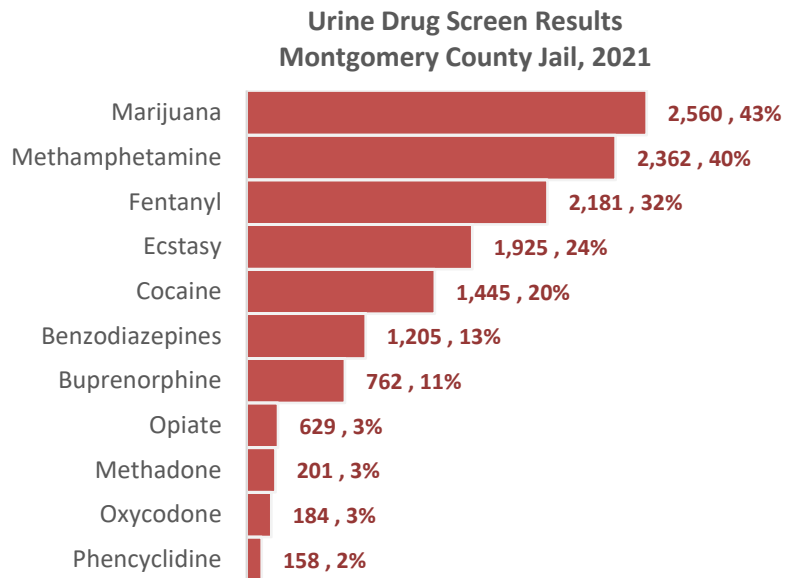
- Most of the samples that contain more than one substance were primarily fentanyl with smaller amounts of another substance. It is possible that the other drugs are intended to either enhance or suppress the effects of the fentanyl.
- Around one percent of total submissions contain both fentanyl and methamphetamine. Fentanyl has not been found in any “ice” crystalline methamphetamine samples.
- Less than 1% of total submissions contain both fentanyl and cocaine.
- No cannabis samples tested by the MVRCL contained opioids.



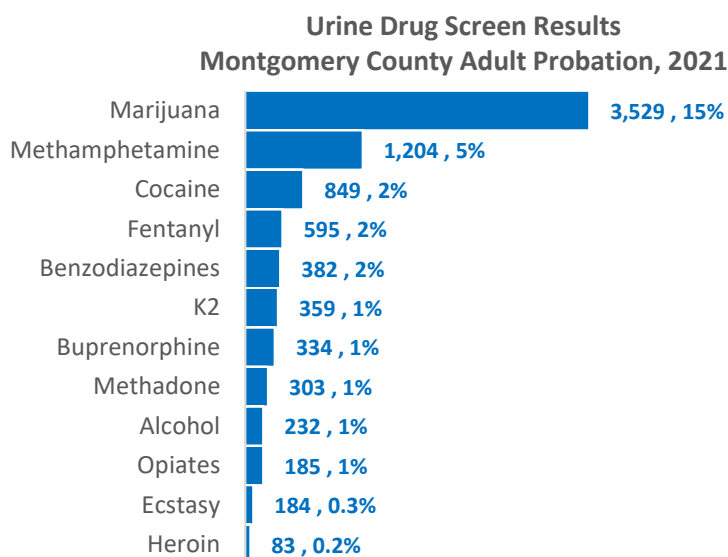
## Drug Screen Results

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.

Of the 17,678 individuals who were booked into the jail in 2021, **34% consented to a urine drug analysis** as part of a medical screening (5,962 of 17,678). Of the 5,962 who consented to a drug screening, 43% tested positive for **marijuana**, 40% for **methamphetamine**, and 32% for **fentanyl**. When compared with 2020, the percent who tested positive for **methamphetamine, fentanyl, and cocaine all increased** (from 33%, 27%, and 16% respectively).



Source: Montgomery County Sheriff’s Office



Source: Montgomery County Adult Probation

In 2021, Montgomery County Adult Probation performed 23,900 urine drug screens. Fifteen percent (15%) tests were positive for **marijuana**. Five percent (5%) of tests were positive for **methamphetamine**.

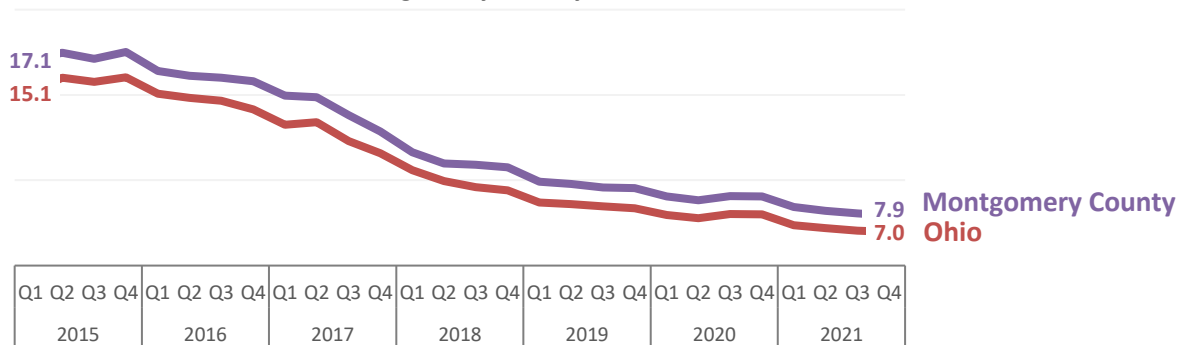
## Prescription Opioids

### Prescriptions by Quarter

#### Ohio Automated Rx Reporting System (OARRS)

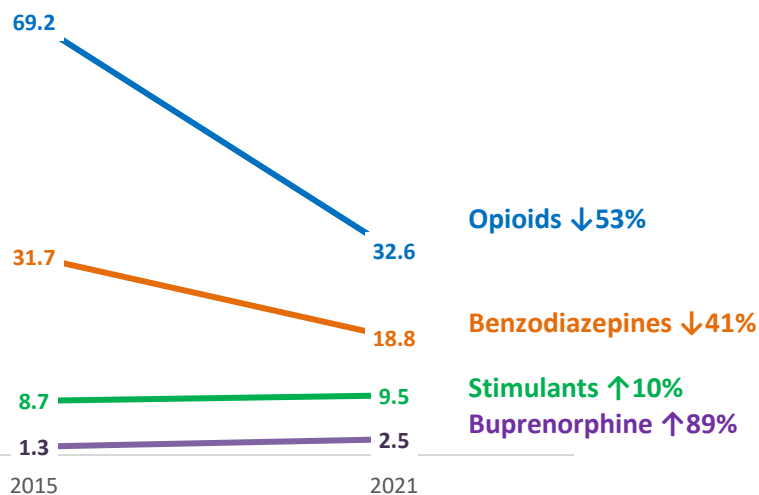
The Ohio Automated Rx Reporting System (OARRS) allows prescribers and pharmacies to monitor opioid prescriptions and address overprescribing and “doctor shopping” in the state of Ohio. The charts below represent the number of doses dispensed per capita; this is the total number of doses sold to patients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

**Opioid Doses Dispensed per Capita  
Montgomery County and Ohio; 2015 - 2021**



Between 2015 and 2021, 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 has **decreased consistently** since 2015 in both Montgomery County and Ohio.

**Doses Dispensed per Capita by Drug Class  
Montgomery County, 2015-2021**

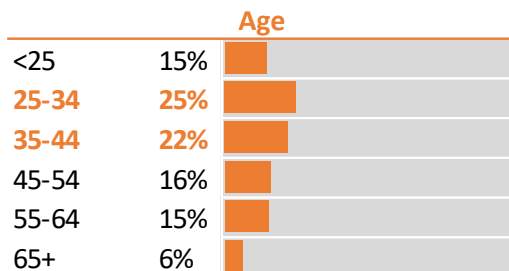
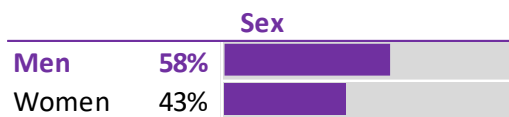
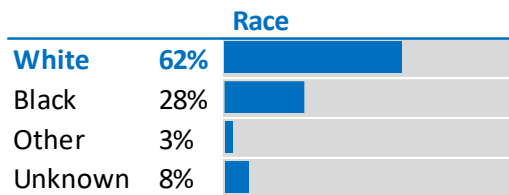


The number of doses dispensed of **opioids** and **benzodiazepines** per capita decreased between 2015 and 2021. The number of **stimulant doses dispensed per capita increased 10%** (from 8.7 to 9.5), and the number of **buprenorphine doses dispensed per capita increased 89%** (from 1.3 to 2.5).

## 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. In 2021, **3,590 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.

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 & Drug Abuse Outreach Programs (UMADAOP).



In 2021, **3,590 Montgomery County residents received services for Substance Use Disorder (SUD)\*** through GOSH. Of those:

- **Sixty-two percent were White**, 28% were Black.
- **Fifty-eight percent were men**, 42.5% were women.
- Individuals between the **ages of 25 and 44** represented 47.3% of those who received SUD services.

**Two hundred sixty-one individuals** accessed **recovery housing** through ADAMHS in 2021. This is a 50% increase from 2020 when 173 individuals accessed recovery housing.

Notes:

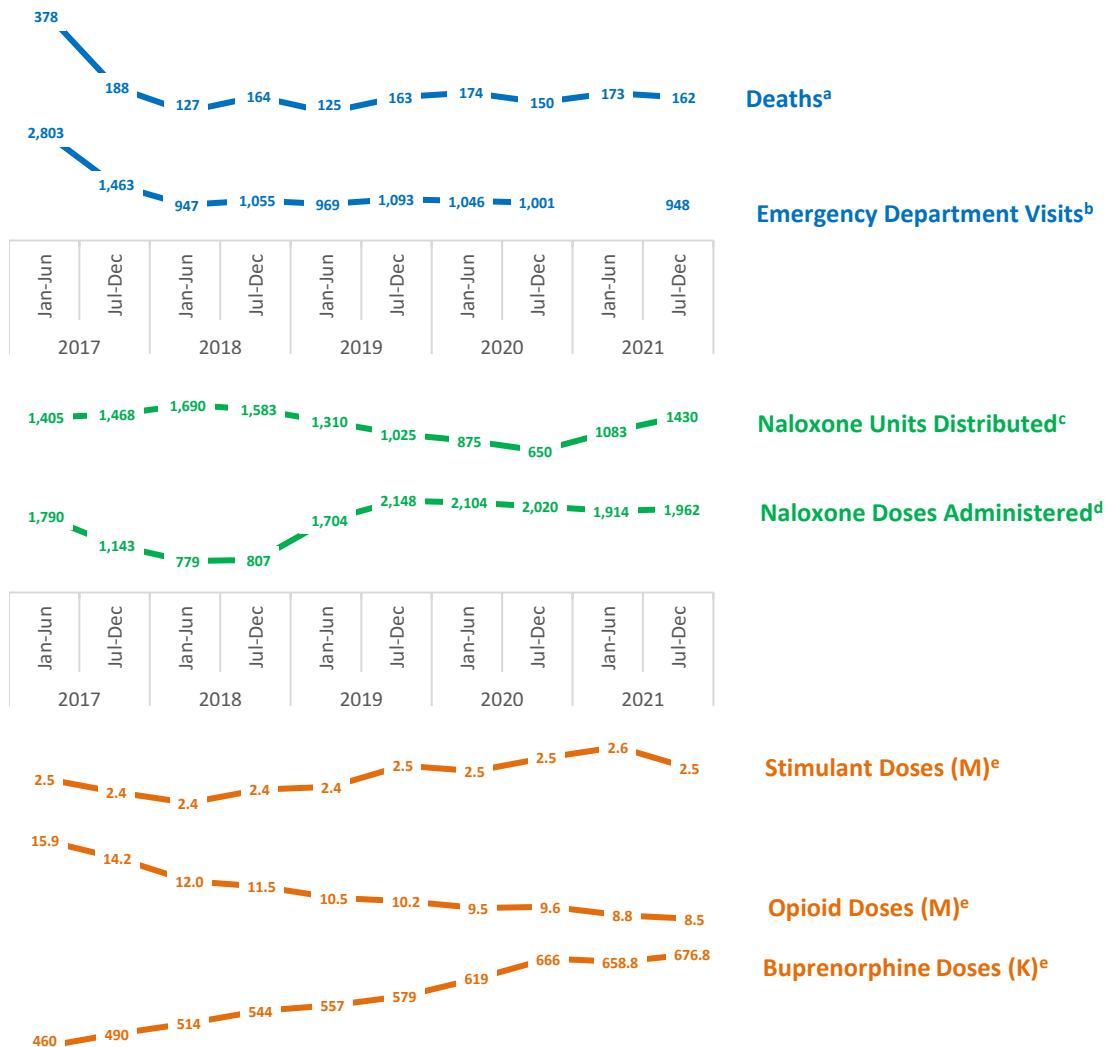
**\*Diagnoses include:** F10 (Alcohol), F11 (Opioids), F12 (Cannabis), F13 (Sedatives), F14 (Cocaine), F15 (Stimulants), F16 (Hallucinogens), F17 (Nicotine), F18 (Inhalants), and F19 (Other psychoactive substances/multiple drug use).

**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.

## Overdose and Intervention Trends, 2017 – 2021

Overdose and intervention data presented in prior sections of this report have been condensed to show how these trends aligned with one another between 2017 and 2021.

- **Overdoses**, as measured by emergency department visits and deaths, **decreased between 2017 and 2018** and remained stable in 2019 before **increasing slightly in 2020 and 2021**.
- **Naloxone doses distributed** to the public **declined** through 2019 and 2020 before **increasing in 2021**. **Doses administered declined** between 2017 and 2018 **before increasing** in the second half of 2019.
- The number of **opioid doses** dispensed **decreased** between 2017 and 2021, while the number of **buprenorphine doses increased**.



a. Montgomery County Coroner’s Office  
 b. EpiCenter Syndromic Surveillance  
 c. New naloxone units distributed by Project DAWN; Montgomery County ADAMHS  
 d. Ohio EMS  
 e. Ohio Automated Rx Reporting System

## Addendum

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

- Homeland Security Investigation
- Montgomery 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
- Montgomery County RANGE Task Force
- Ohio Bureau of Criminal Investigation
- Homeland Security Investigations
- Drug Enforcement Administration
- Montgomery County Prosecutor's Office

### **Suggested Citation**

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