

# Drug Overdose Surveillance Report Lake County, Ohio: October 2021

The following report outlines emergency department (ED) and urgent care (UC) drug overdose events by Lake County residents during the month of October. During this timeframe, a total of 41 recorded drug overdose ED/UC events met the inclusion criteria listed below, accounting for 0.6% of all October ED/UC visits among Lake County residents. This represents an increase from the previous month's 38 drug overdose ED/UC visits. No fatalities were reported among those reporting to ED/UCs during the month of October.

In October, Lake County drug overdose ED/UC admissions occurred among individuals ranging from 15 to 89 years of age. One event involved alcohol poisoning, two involved prescription (Rx) medication, six involved illicit drugs, and 32 involved an unspecified substance (Figure 1). Moreover, seven ED/UC visits resulted in routine discharge, while three left against medical advice, two were discharged to another healthcare facility, and 29 lacked reported discharge information.

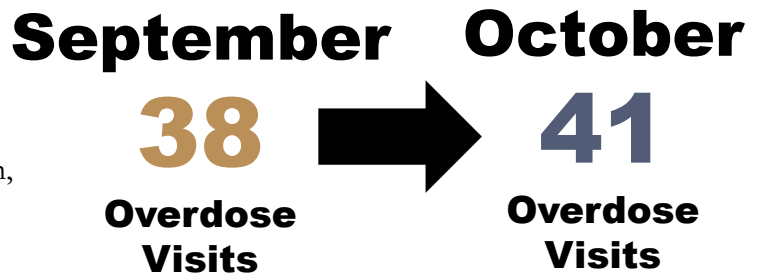
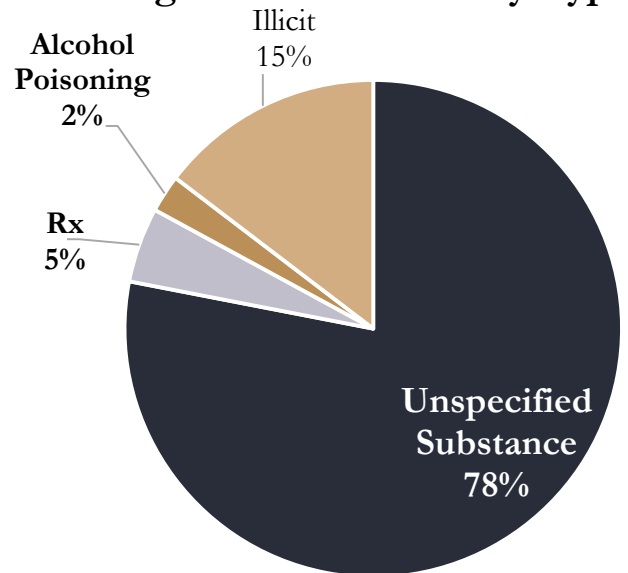
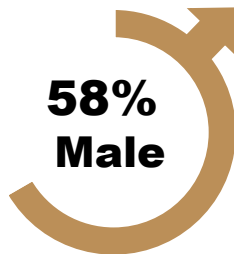
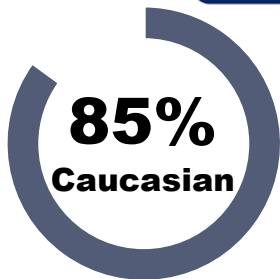


Figure 1. Overdoses by Type



**Ages:**  
**15 to 89**  
**Average:**  
**38 Years**



## Inclusion Criteria:

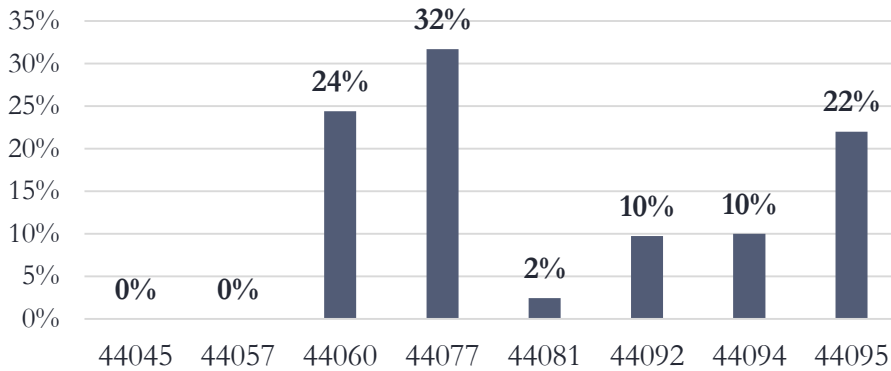
The data presented in this report was retrieved from Ohio's EpiCenter Health Monitoring System, as identified by the "Ohio Opioid-Related: Suspected Drug Overdose" classifier. Data prior to August 2019 was identified using the "Traumatic Injury: Drugs" classifier. This report contains information about Lake County residents, regardless of ED/UC location, and drug-related cases include all ED/UC admits specifying overdose or poisoning. Admits without supporting information, or otherwise indicative of a suicide attempt, intentional overdose, or accidental insulin overdose were excluded from this analysis, as were cases presenting for detox or withdrawal symptoms. In most cases, the drug responsible for the overdose is not indicated. As such, the included figures are not limited to opioid-related events.



## Geographical Distribution

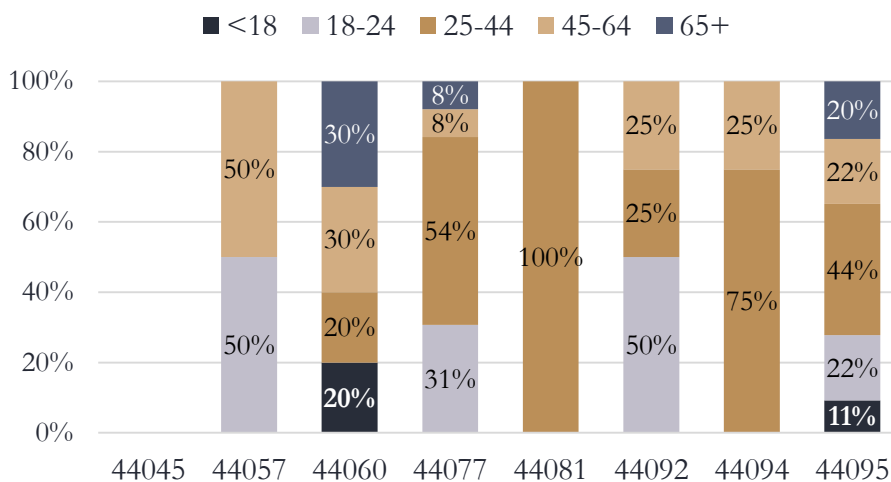
### In what areas were overdoses most prevalent?

Figure 2. Overdose Occurrences by Zip Code of Residence



In October, the greatest frequency of ED/UC overdose events occurred amongst those residing in zip codes 44077 (Figure 2). ED/UC overdose events increased in 44060 (8%), 44092 (2%) and 44095 (4%), and decreased in 44057 (5%), 44077 (5%), 44081 (1%), and 44094 (3%). For the 25th consecutive month, no overdose visits were observed among residents of 44045.

Figure 3. Overdose Ages by Zip Code of Residence



ED/UC overdose events varied by age across each of the reported zip codes (Figure 3). Overdose event frequency was highest among those 25 to 44 years of age (44%), followed by those 45 to 64 years of age (20%), 18 to 24 years of age (20%), under 18 years of age (7%), and those 65 years or older (10%).

### At which Lake County facilities did overdose events present?

Table 1. Overdose Reporting Facility

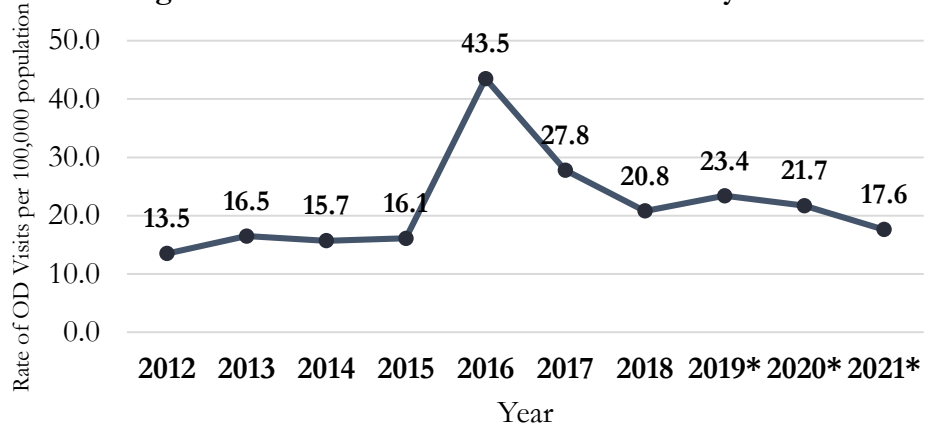
Facility	N	(%)
Madison Campus	0	0
TriPoint Medical Center	13	32
West Medical Center	17	41
Outside of County	11	27
<b>Total</b>	<b>41</b>	<b>100.0</b>

During the month of October, the highest proportion of Lake County residents who presented to ERs/UCs for suspected drug overdoses presented to West Medical Center (41%), followed by TriPoint (32%), facilities outside of Lake County (27%), and Madison Campus (0%).

How does this compare with past years?

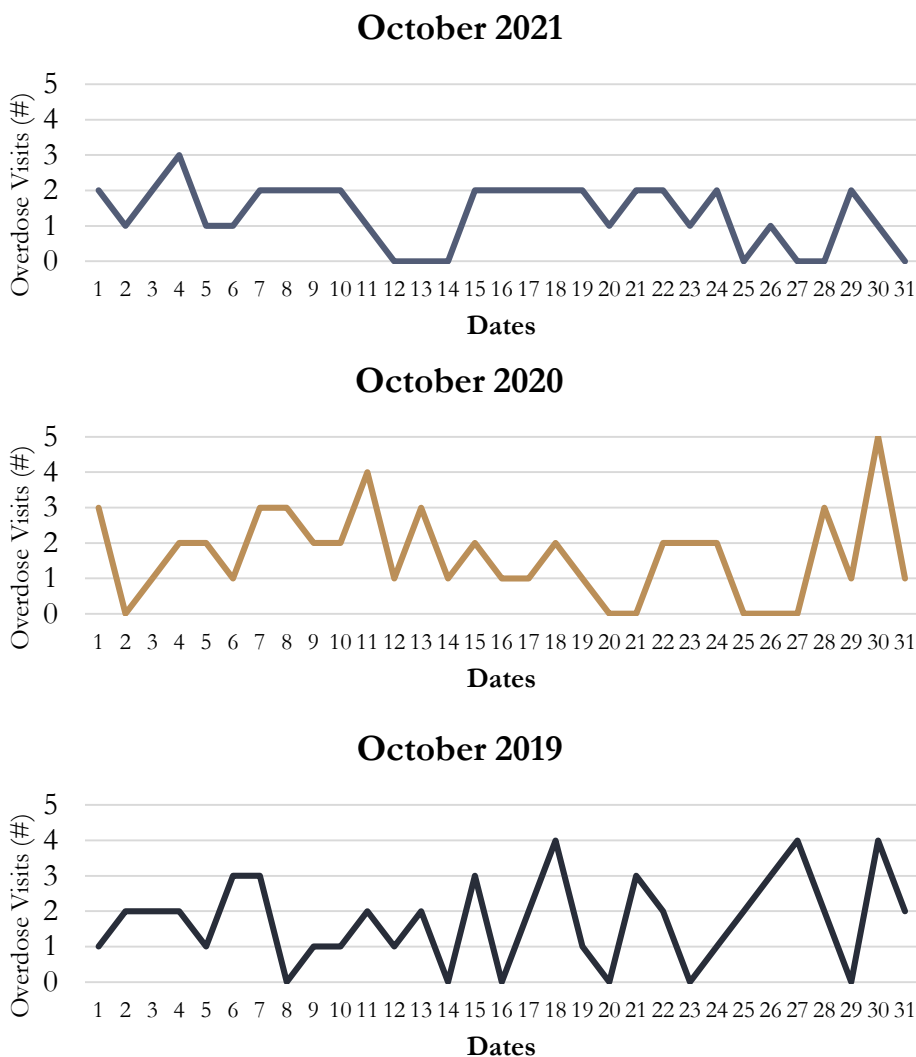
The October 2021 Lake County ED/UC overdose event rate per 100,000 population is the fifth lowest rate observed for October in the past 10 years (Figure 4). It is 30% higher than the lowest rate of 13.5 observed in October 2012, and 60% lower than the peak rate of 43.5 observed in October 2016.

Figure 4. Rate of October Overdose Visits by Year



\*Rates based on most current available annual population estimates, as obtained from data.census.gov; 2019-2021 rates are based on 2019 population estimates.

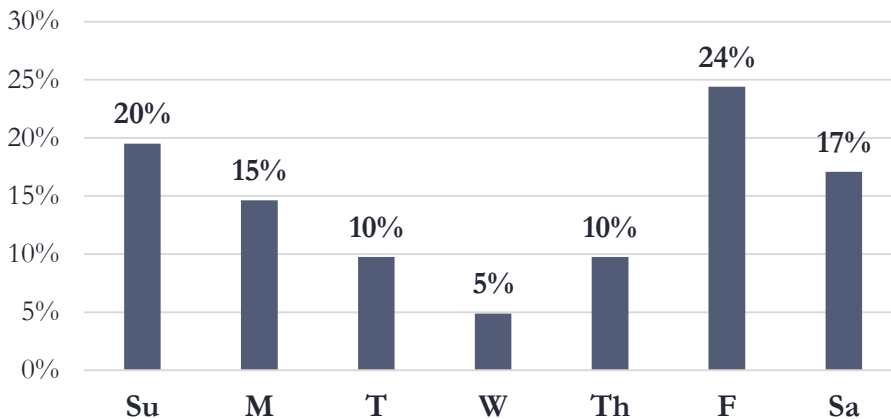
Figure 5. October Drug Overdose Daily Frequencies, 2019-2021



In order to provide for comparisons of daily ED/UC overdose event frequency, October events by day are illustrated for 2019, 2020, and 2021 (Figure 5). The daily maximum of three for October of 2021 is 40% lower than the daily maximum of five in 2020 and 25% lower than the daily maximum of four reported in 2019. Moreover, mean daily ED/UC overdose event frequency for October of 2021 (1.3) is lower than the rate observed in October of 2020 (1.6), and lower than 2019 (1.7).

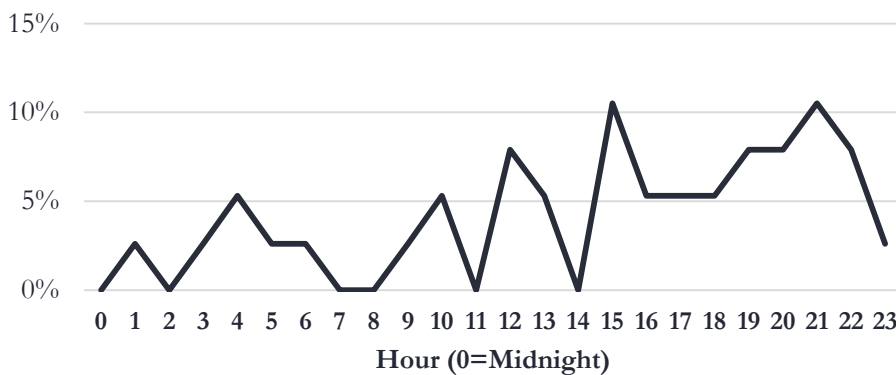
A total of seven days with no ED/UC overdose events were observed during October of 2021, as compared to five days in October of 2020 and six days in October of 2019. October 2021 overdose events peaked on October 4, as compared to the 2020 peak, which occurred on October 30, and the 2019 peaks, which occurred on October 18, 27, and 30.

Figure 6. Overdose Occurrences by Day of Week



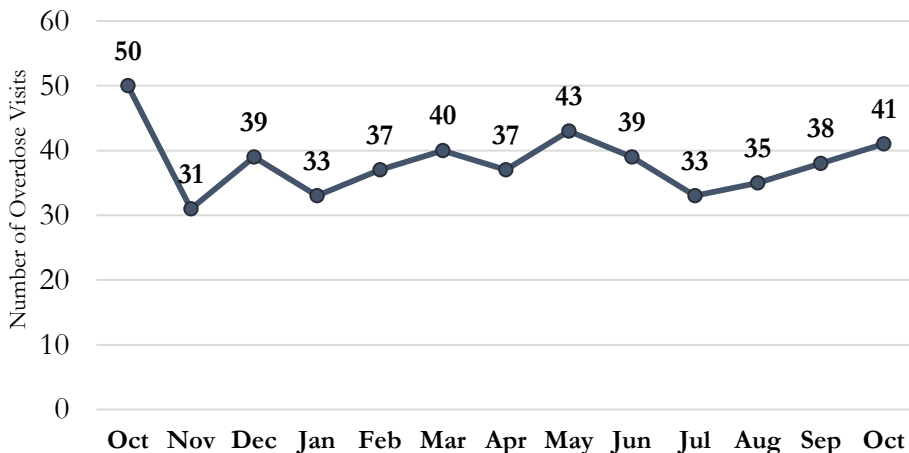
When organized by day of week, the frequency of ED/UC overdose events was highest on Friday (24%; Figure 6). Sunday experienced the next highest frequency of overdose events (20%), Saturday (17%), Monday (15%), followed by Tuesday and Thursday (10%, respectively). Wednesday had the lowest frequency of overdose events (5%).

Figure 7. Overdose Occurrences by Hour of Day



October ED/UC overdose events were most prominent around 3:00 pm and 9:00 pm (Figure 7). No overdose events presented to ED/UCs during the hours of 12:00 am, 2:00 am, 7:00-8:00 am, 11:00 am, or 2:00 pm during the month of October.

Figure 8. Overdose Counts – Past 12 Months



When organized by month, ED/UC overdose events decreased 38% from October to November, increased 26% from November to December, decreased 15% from December to January, increased 21% from January to March, decreased 8% from March to April, increased 16% from April to May, decreased 23% from May to July, and increased 24% from July to October (Figure 8). A total of 376 ED/UC visits for drug-related overdose events have been observed thus far in 2021, as compared to 455 in the same period for 2020.

# Lake County General Health District Resources



## Project DAWN Naloxone Clinics

**Project DAWN clinics are held every Monday at 10:00 am at Lake County General Health District, 5966 Heisley Road, Mentor, in Room 303A on the third floor. Call (440) 350-2844 to register. Walk-in attendance is welcome.**

For individuals unable to attend these clinics, training and registration to receive a naloxone kit is available on our website for residents of Lake County, as well as other counties in Ohio without an active Project DAWN Program.

For more information, please visit:

<https://www.lcghd.org/naloxone-distribution/>.

## Pharmaceutical Disposal Instructions

Before disposing of pharmaceuticals at one of the drop-off locations, be sure to remove or black-out identifiable information on the pharmacy label. Disposable items suitable for drop-off include:

- Unused or expired medications
- Prescriptions, non-prescription pills, syrups, and creams
- Pain and mood altering medications
- Pain relievers, over-the-counter cold and flu medication, vitamins, and pet medications
- **No needles or liquids**

## Pharmaceutical Drug Collection and Disposal Locations

Monday - Friday: 7:00 a.m. to 8:00 p.m.

Saturday: 9:00 a.m. to 5:00 p.m.

Sunday: 1:00 p.m. to 5:00 p.m.

*Note: No Sunday Hours at Lakeland*

### **Eastlake Police Department**

35150 Lakeshore Boulevard

Eastlake, OH 44095

### **Madison Township Police Department**

2065 Hubbard Road

Madison, OH 44057

### **Mentor Police Department**

8500 Civic Center Boulevard

Mentor, OH 44060

### **Mentor-on-the-Lake Police Department**

5860 Andrews Road

Mentor-on-the-Lake, OH 44060

### **Lake County Sheriff's Office**

104 East Erie Street

Painesville, OH 44077

### **Willoughby Police Department**

36700 Euclid Avenue

Willoughby, OH 44094

### **Willoughby Hills Police Department**

35405 Chardon Road

Willoughby Hills, OH 44094

### **Lakeland Comm. College Police Department**

7700 Clocktower Drive, Building A, Lower Level

Kirtland, OH 44094

REV: 3/30/2022



**Lake County  
General Health District**

**Public Health**

Prevent. Promote. Protect.

