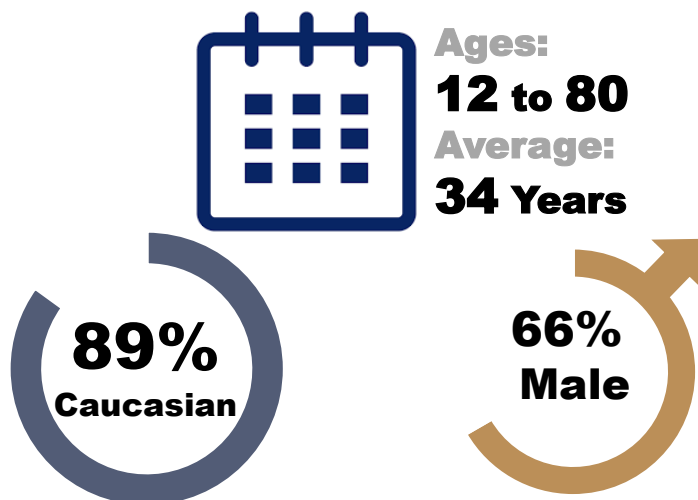
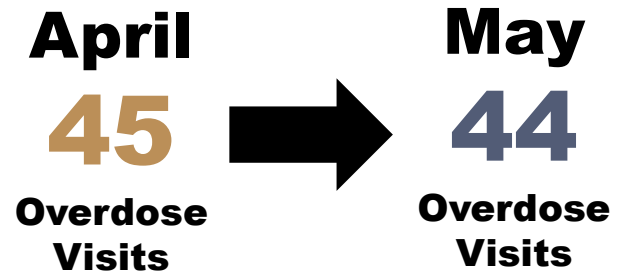


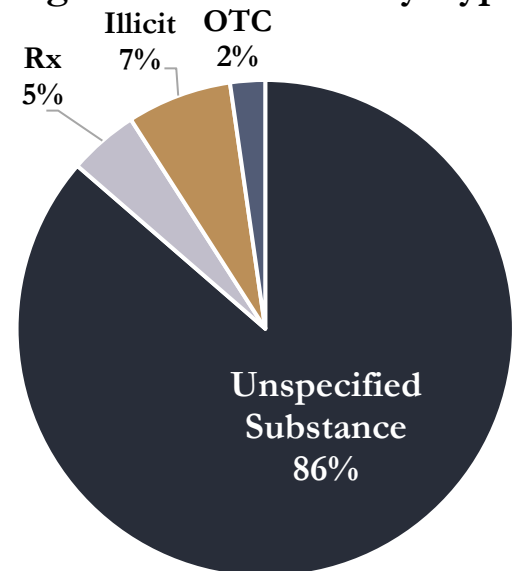
# Drug Overdose Surveillance Report Lake County, Ohio: May 2022

The following report outlines emergency department (ED) and urgent care (UC) drug overdose events by Lake County residents during the month of May. During this timeframe, a total of 44 recorded drug overdose ED/UC events met the inclusion criteria listed below, accounting for 0.57% of all May ED/UC visits among Lake County residents. This represents a decrease from the previous month's 45 drug overdose ED/UC visits. One fatality was reported among those reporting to ED/UCs for overdose during the month of May.

In May, Lake County drug overdose ED/UC admissions occurred among individuals ranging from 12 to 80 years of age. Two events involved prescription (Rx) medication, one involved nonprescription over the counter medication (OTC), three involved illicit drugs, and 38 involved an unspecified substance (Figure 1). Moreover, nine ED/UC visits resulted in routine discharge, two were transferred to another hospital or other location, six left against medical advice, one resulted in fatality, and twenty six lacked reported discharge information.



**Figure 1. Overdoses by Type**



## Inclusion Criteria:

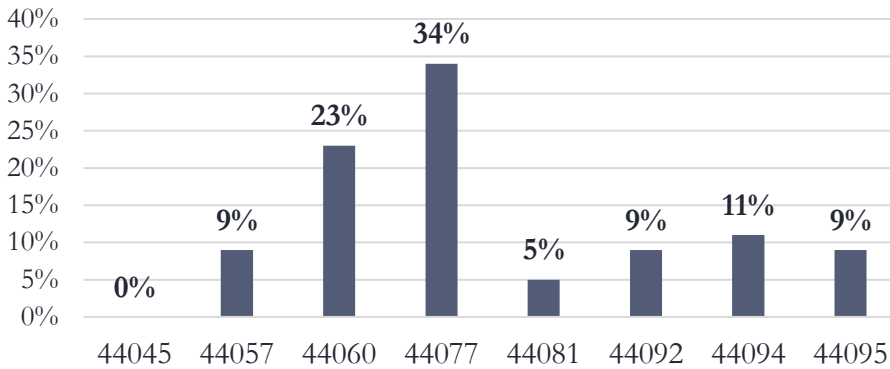
The data presented in this report was retrieved from Ohio's EpiCenter Health Monitoring System, as identified by the "Ohio Opioid-Related: Suspected Drug Overdose" classifier. Data prior to August 2019 was identified using the "Traumatic Injury: Drugs" classifier. This report contains information about 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

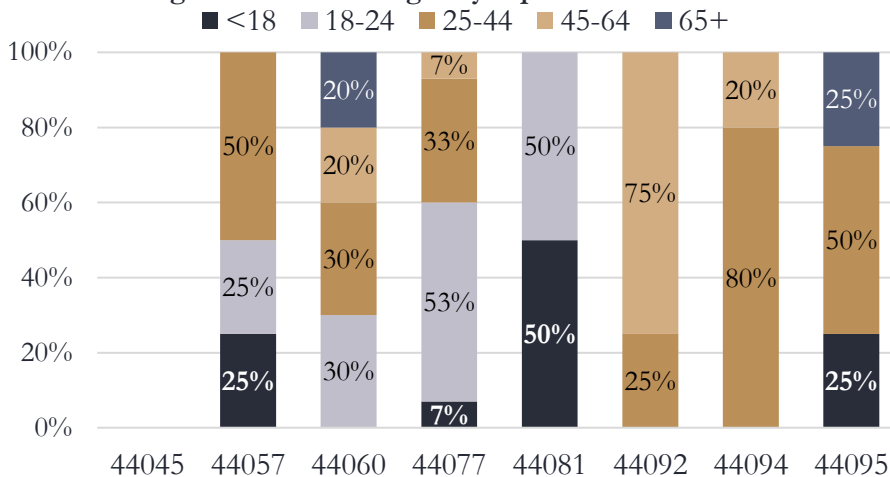
### In what areas were overdoses most prevalent?

Figure 2. Overdose Occurrences by Zip Code of Residence



In May, the greatest frequency of ED/UC overdose events occurred among those residing in zip code 44077 (Figure 2). ED/UC overdose events increased in 44057 (5%), 44077 (1%), 44081 (1%), 44092 (5%), and 44094 (7%), and decreased in 44060 (8%), and 44095 (9%).

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 (39%), followed by 18 to 24 years of age (30%), 45 to 64 years of age (16%), under 18 years of age (9%), followed by those 65 years or older (7%).

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

Table 1. Overdose Reporting Facility

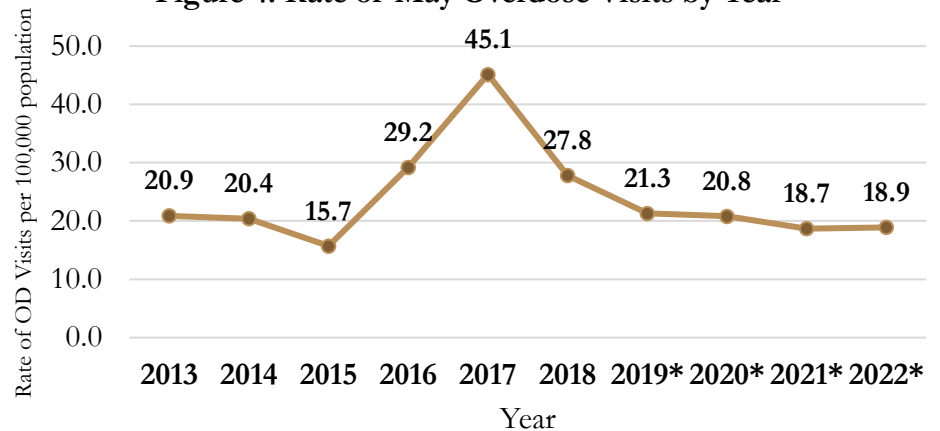
Facility	N	(%)
Lake County Facility	28	64
Outside of County	16	36
<b>Total</b>	<b>44</b>	<b>100.0</b>

During the month of May, the highest proportion of Lake County residents who presented to ERs/UCs for suspected drug overdoses presented to facilities within Lake County, including TriPoint and West Medical Centers (64% total). The remaining 36% presented to facilities outside of Lake County.

### How does this compare with past years?

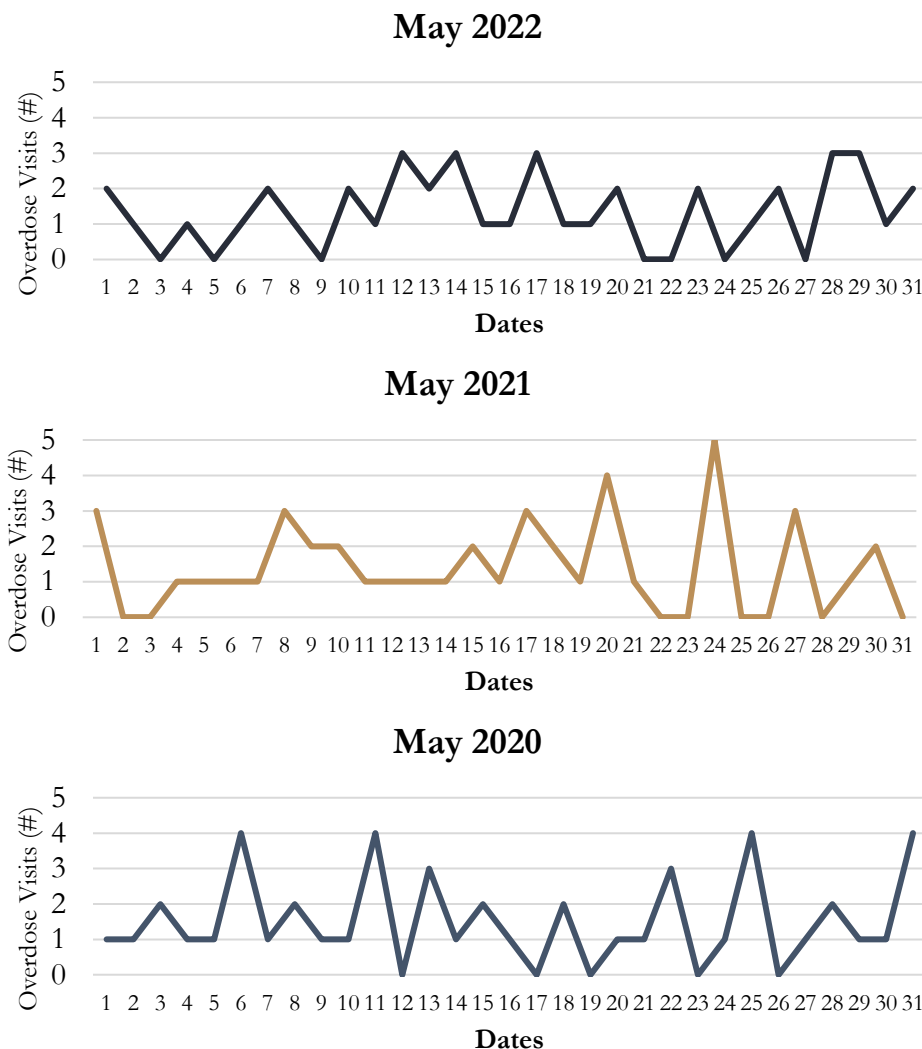
The May 2022 Lake County ED/UC overdose event rate per 100,000 population is the third lowest rate observed for May in the past 10 years (Figure 4). It is 20.4% higher than the lowest rate of 15.7 observed in May 2015, and 58.1% lower than the peak rate of 45.1 observed in May 2017.

Figure 4. Rate of May Overdose Visits by Year



\*Rates based on most current available annual population estimates, as obtained from data.census.gov; 2019-2022 rates are based on 2019 population estimates.

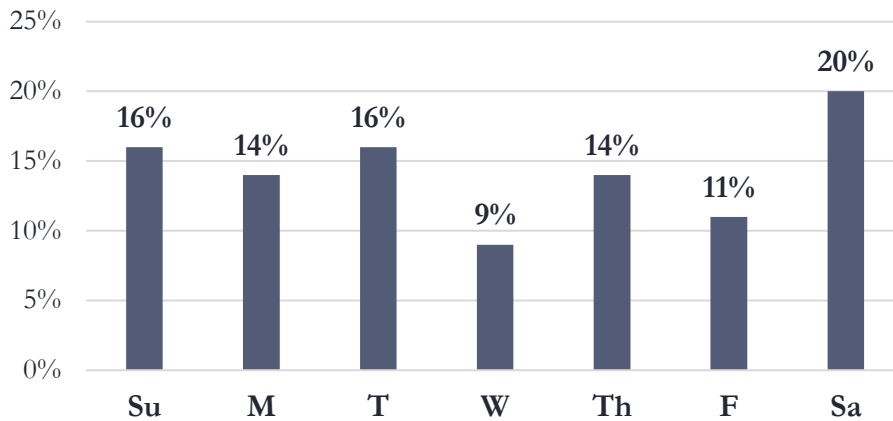
Figure 5. May Drug Overdose Daily Frequencies, 2020-2022



In order to provide for comparisons of daily ED/UC overdose event frequency, May events by day are illustrated for 2020, 2021, and 2022 (Figure 5). The daily maximum of three for May of 2022 is less than the daily maximum of five in 2021 and 25% less than the daily maximum of four reported in 2020. Moreover, mean daily ED/UC overdose event frequency for May of 2022 (1.4), is equal to the rate observed in May of 2021 (1.4), and May of 2020 (1.4).

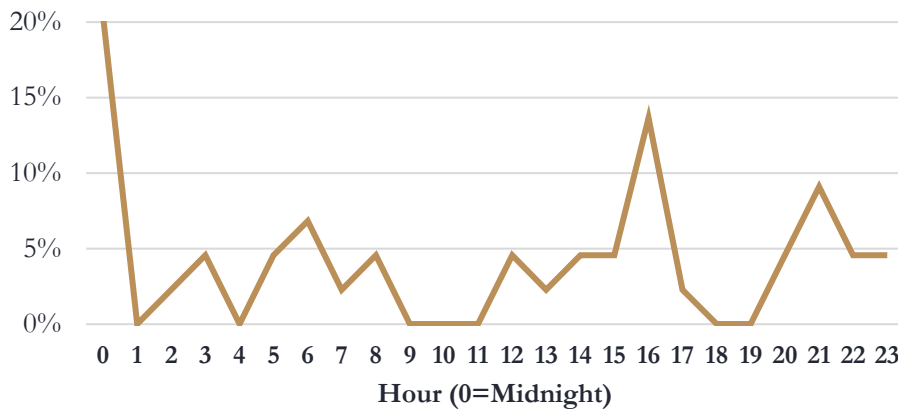
A total of seven days with no ED/UC overdose events were observed during May of 2022, as compared to seven days in May of 2021 and five in May of 2020. May 2022 overdose events peaked on May 12, 14, 17, 28, 29, as compared to the 2021 peak, which occurred on May 24, and the 2020 peak, which occurred on May 6, 11, 25, and 31.

Figure 6. Overdose Occurrences by Day of Week



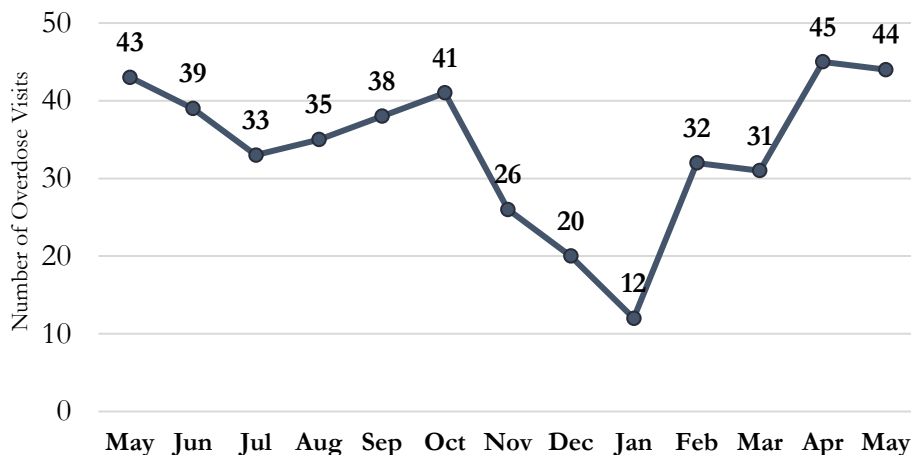
When organized by day of week, the frequency of ED/UC overdose events was highest on Saturday (20%; Figure 6). Sunday and Tuesday experienced the next highest frequency of overdose events (16%, respectively), followed by Monday and Thursday (14%, respectively), and Friday (11%). Wednesday had the lowest frequency of overdose events (9%).

Figure 7. Overdose Occurrences by Hour of Day



May ED/UC overdose events were most prominent around 12:00 am (Figure 7). No overdose events presented to ED/UCs during the hours of 1:00 am, 4:00 am, 9:00 am, 10:00 am, 11:00 am, 6:00 pm and 7:00 pm during the month of May.

Figure 8. Overdose Counts – Past 12 Months



When organized by month, ED/UC overdose events decreased 23% from May to July, increased 24% from July to October, decreased 68% from October to January, increased 167% from January to February, and decreased 3% February to March, increased 45% from March to April, and decreased 2% from April to May (Figure 8). A total of 164 ED/UC visits for drug-related overdose events have been observed thus far in 2022, as compared to 190 in the same period for 2021.

# 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: 7/22/22



**Lake County  
General Health District**

**Public Health**

Prevent. Promote. Protect.

