

# Drug Overdose Surveillance Report Lake County, Ohio: June 2020

The following report outlines emergency department (ED) and urgent care (UC) drug overdose events by Lake County residents during the month of June. During the aforementioned timeframe, a total of 55 recorded drug overdose ED/UC events met the inclusion criteria listed below and occurred among Lake County residents, accounting for 0.9% of all June ED/UC visits, and increasing from the previous month's 48 drug overdose ED/UC visits. No fatalities were reported among those reporting to ED/UCs during the month of June.

In June, Lake County drug overdoses occurred among individuals ranging from 1 to 69 years of age. Five events involved an illicit substance, one involved a prescription medication, two involved a poisoning (including one infant), and 47 involved an unspecified substance (Figure 1). Moreover, 33 ED/UC visits resulted in routine discharge, while five left against medical advice, four were discharged to treatment, one was transferred to another hospital, one left without being seen, and 11 lacked reported discharge information.

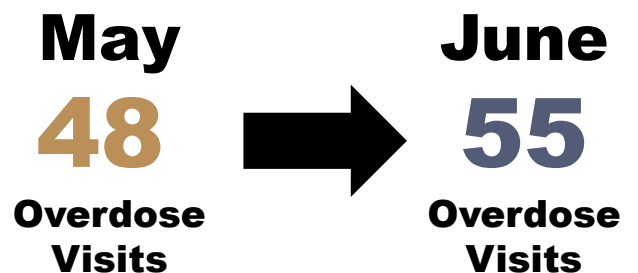
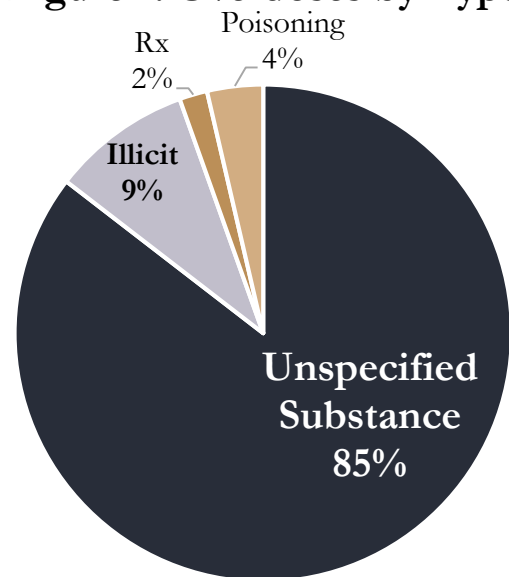
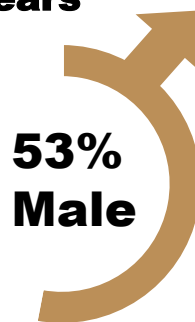
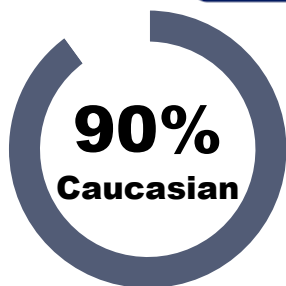


Figure 1. Overdoses by Type



**Ages:**  
**1 to 69**  
**Average:**  
**34 Years**



## Inclusion Criteria:

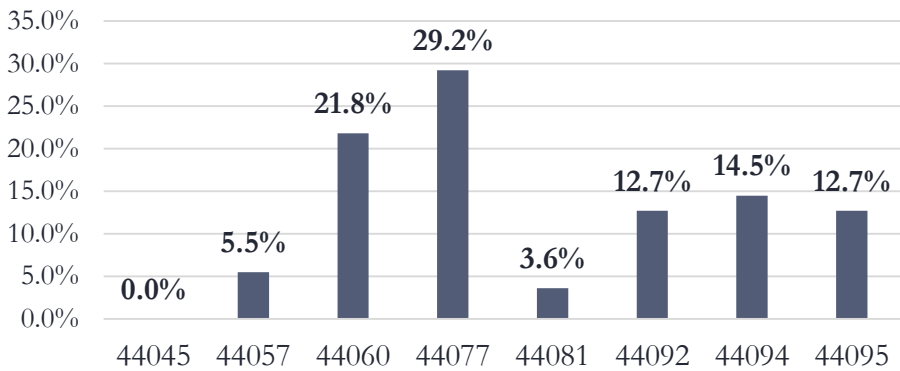
The data presented in this report was retrieved from Ohio's EpiCenter Health Monitoring System, as identified by the "Ohio Opioid-Related: Suspected Drug Overdose" classifier. Data prior to August 2019 was identified using the "Traumatic Injury: Drugs" classifier. This report contains information about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

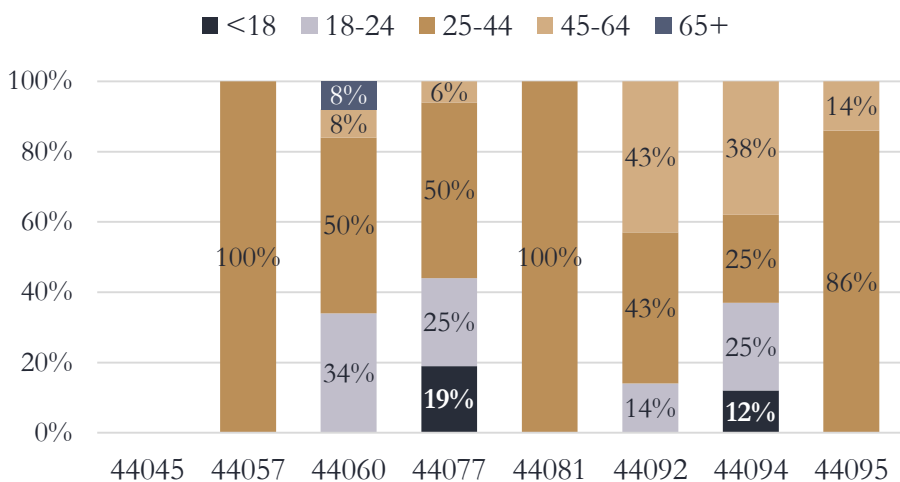
### In what areas were overdoses most prevalent?

Figure 2. Overdose Occurrences by Zip Code of Residence



In June, the greatest frequency of ED/UC overdose events occurred amongst those residing in zip code 44077 for the sixth consecutive month (Figure 2). ED/UC overdose events increased in 44060 (3.0%), 44077 (2.2%), 44081 (3.6%), and 44092 (4.4%), and decreased in 44057 (0.8%), 44094 (6.3%), and 44095 (6.1%). For the eighth consecutive month, no overdose events 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 (55%), followed by those 18 to 24 years of age (20%), 45 to 64 years of age (16%), and those 18 years and younger (7%). ED/UC overdose event frequency was lowest among those 65 years and over in June (2%).

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

Table 1. Overdose Reporting Facility

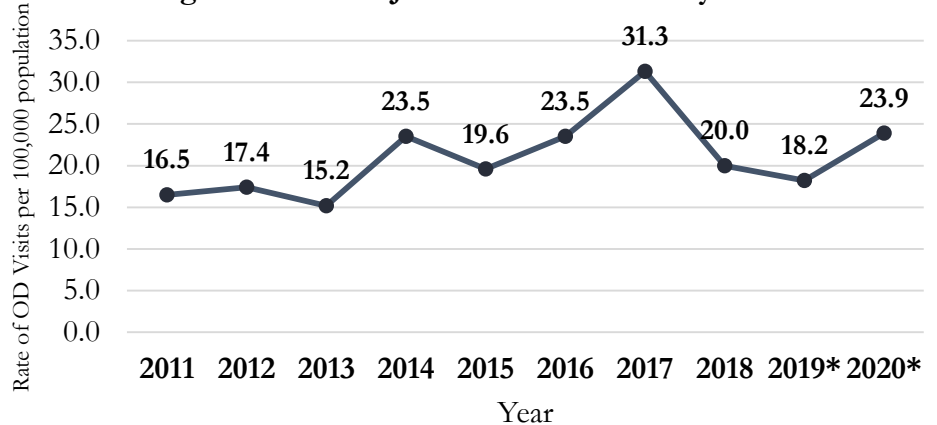
Facility	N	(%)
Madison Campus	6	10.9
TriPoint Medical Center	18	32.7
West Medical Center	18	32.7
Outside of County	13	23.7
<b>Total</b>	<b>55</b>	<b>100.0</b>

During the month of June, West Medical Center and TriPoint Medical Center experienced the highest number of ED/UC visits among Lake County residents (33% each), followed by facilities outside of Lake County (24%). Lake Health Madison campus experienced 11% of cases in June.

### How does this compare with past years?

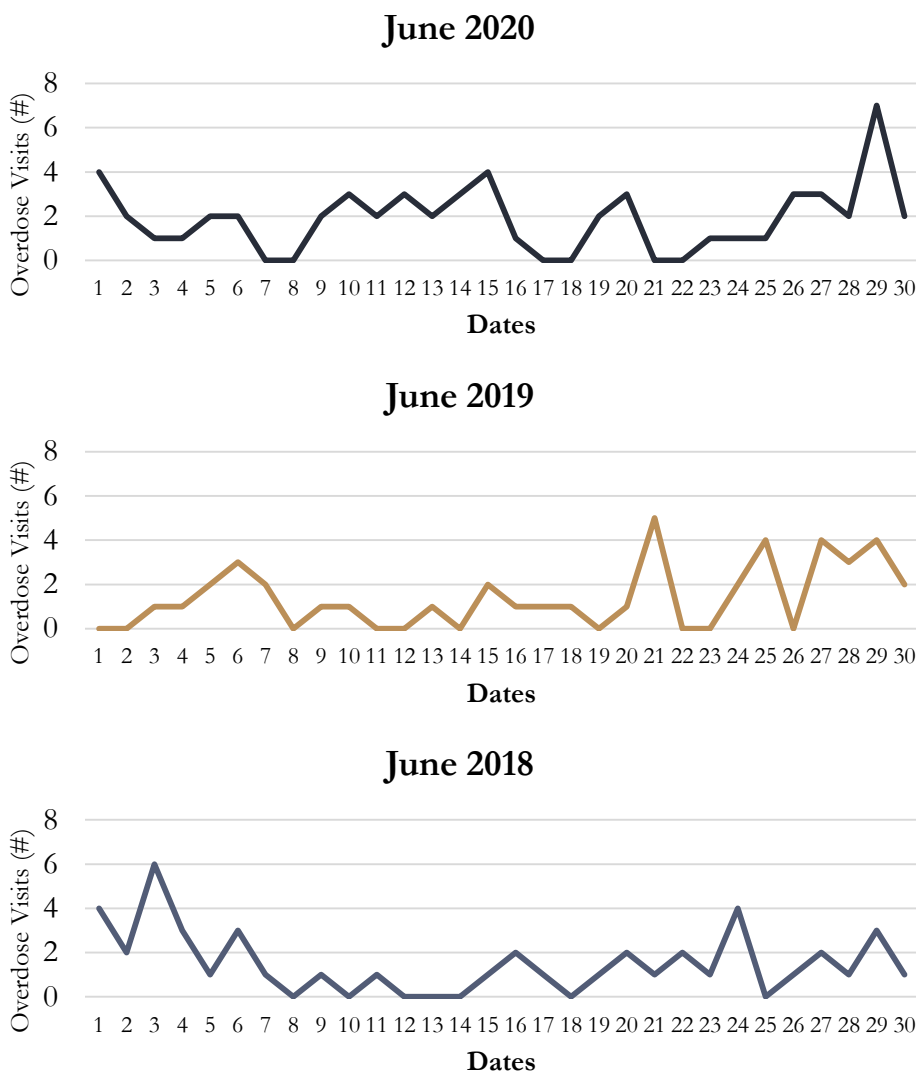
The June 2020 Lake County ED/UC overdose event rate per 100,000 population is the second highest rate observed for June in the past 10 years. It is 31% higher than the rate for June 2019, and 24% lower than the peak rate observed in June 2017.

Figure 4. Rate of June Overdose Visits by Year



\*Rates based on most current available annual population estimates, as obtained from data.census.gov. 2019 and 2020 rates are based on 2018 population estimates.

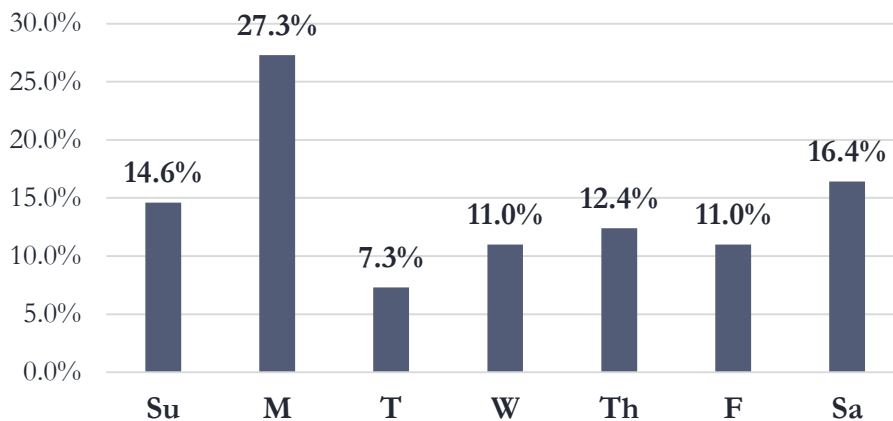
Figure 5. June Drug Overdose Daily Frequencies, 2018-2020



In order to provide for comparisons of daily ED/UC overdose event frequency, June events by day are illustrated for 2018, 2019, and 2020 (Figure 5). The daily maximum of seven for June of 2020 is 40% higher than the daily maximum of five reported in 2019, and 17% higher than the daily maximum of six reported in 2018. Moreover, mean daily ED/UC overdose event frequency for June of 2020 (1.9) is higher than the rates in June of 2019 (1.4), and May 2018 (1.5).

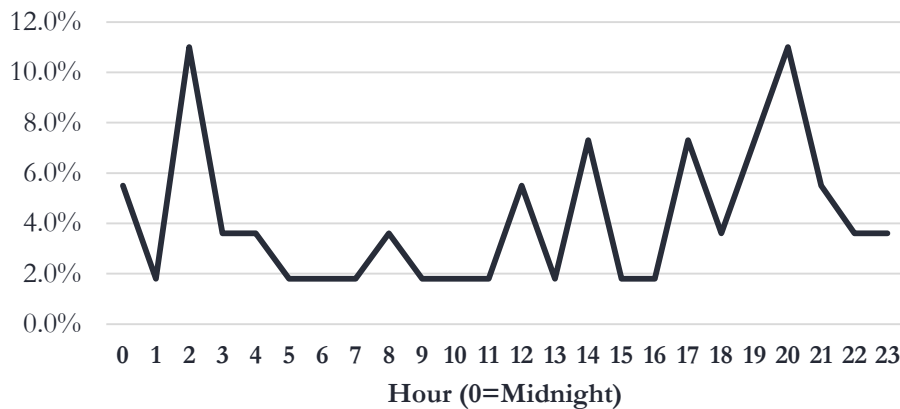
A total of six days with no ED/UC overdose events were observed during June of 2020, as compared to 10 days in June of 2019, and seven in June of 2018. June 2020 overdose events peaked on June 29, as compared to the 2019 peak which occurred on June 21, and the 2018 peak, which occurred on June 3. There have been no ED/UC overdose visits on June 8 for the past three years.

Figure 6. Overdose Occurrences by Day of Week



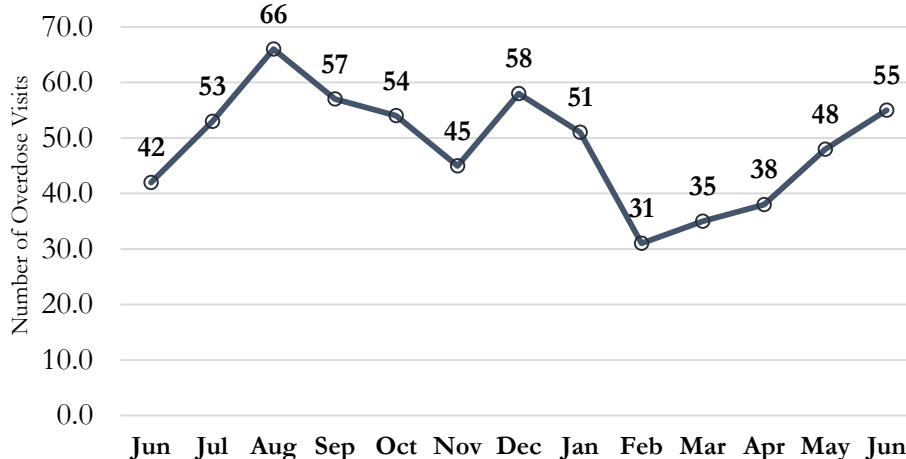
When organized by day of week, and for the second consecutive month, the frequency of ED/UC overdose events was highest on Monday (27.3%; Figure 6). Saturday experienced the highest frequency of overdose events (16.4%), followed by Sunday (14.6%), Thursday (12.4%), Wednesday (11.0%), Friday (11.0%), and Tuesday (7.3%).

Figure 7. Overdose Occurrences by Hour of Day



June ED/UC overdose events were more prominent during the 2:00 am and 8:00 pm hours (Figure 7). Secondary peaks occurred around 2:00 pm and 5:00 pm. There were no hours in the month of June where no overdose events were observed.

Figure 8. Overdose Counts – Past 12 Months



When organized by month, ED/UC overdose events increased 57% from June to August, decreased 32% from August to November, increased 29% from November to December, decreased 47% from December to February, and increased 77% from February to June (Figure 8). A total of 258 ED/UC visits for drug-related overdose events have been observed thus far in 2020, as compared to 287 during the same time frame in 2019.

# Lake County General Health District Resources



## Project DAWN Naloxone Clinics

Due to the ongoing situation with COVID-19 and response efforts, all in-person Project DAWN Clinics have been canceled until further notice.

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

## 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: 7/27/2020



**Lake County  
General Health District**

**Public Health**

Prevent. Promote. Protect.

