

Drug Overdose Surveillance Report Lake County, Ohio: June 2022

The following report outlines emergency department (ED) and urgent care (UC) drug overdose events by Lake County residents during the month of June. During this timeframe, a total of 28 recorded drug overdose ED/UC events met the inclusion criteria listed below, accounting for 38.8% of all June ED/UC visits among Lake County residents. This represents a decrease from the previous month's 44 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 overdose ED/UC admissions occurred among individuals ranging from 0 to 65 years of age. Three events illicit drugs, zero involved alcohol, and twenty-four involved an unspecified substance (Figure 1). Moreover, eight ED/UC visits resulted in routine discharge, one was transferred to another hospital or other location, five left against medical advice, and fourteen lacked reported discharge information.

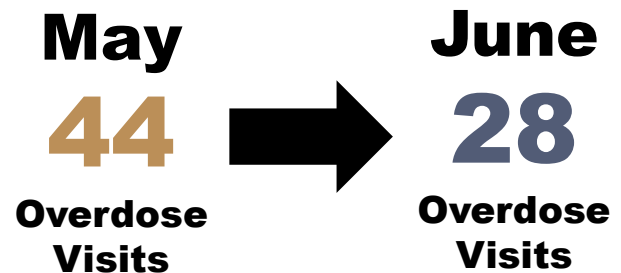
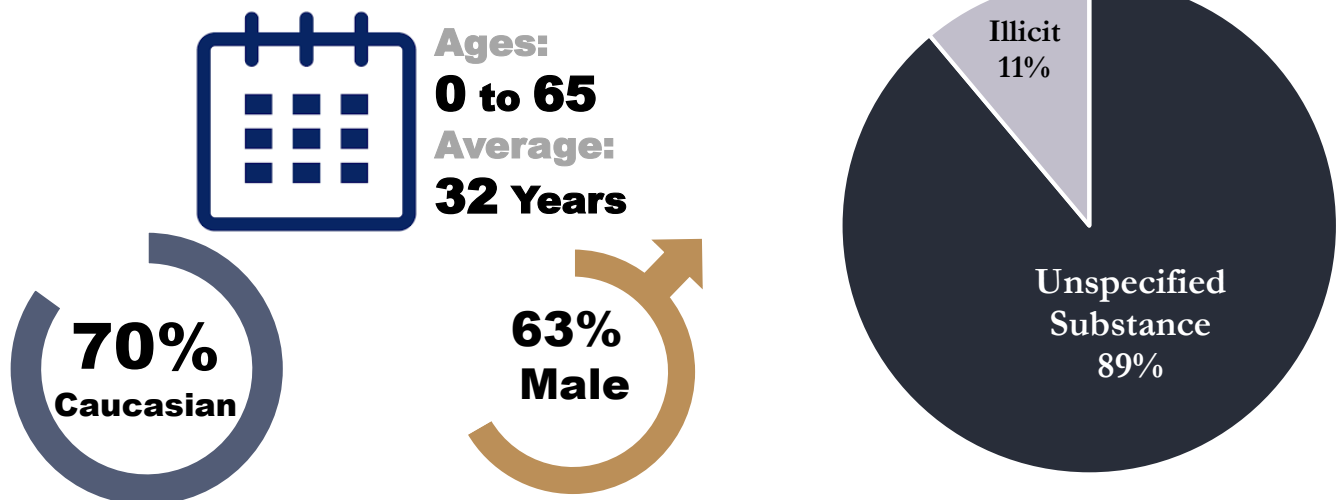


Figure 1. Overdoses by Type



Inclusion Criteria:

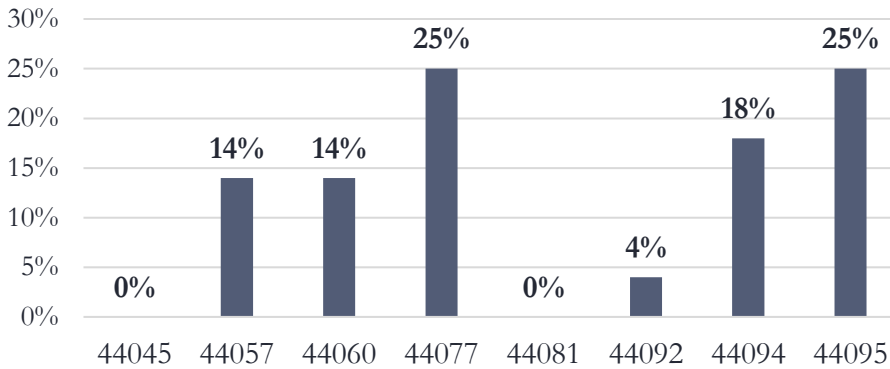
The data presented in this report was retrieved from Ohio's EpiCenter Health Monitoring System, as identified by the "Ohio Opioid-Related: Suspected Drug Overdose" classifier. Data prior to August 2019 was identified using the "Traumatic Injury: Drugs" classifier. This report contains information about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

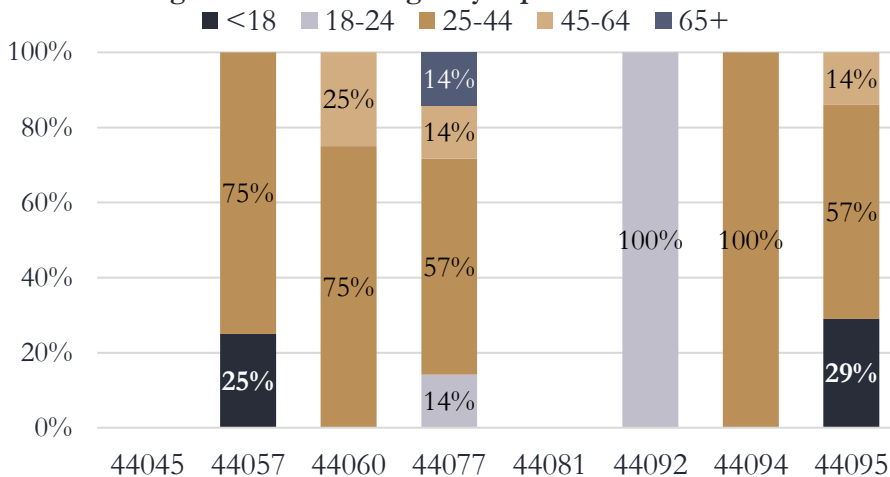
In what areas were overdoses most prevalent?

Figure 2. Overdose Occurrences by Zip Code of Residence



In June, the greatest frequency of ED/UC overdose events occurred among those residing in zip codes 44095 and 44077 (Figure 2). ED/UC overdose events increased in 44057 (5%), 44094 (7%), and 44095 (16%), and decreased in 44060 (9%), 44077 (9%), 44081 (5%), and 44092 (5%). For the 3rd 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 (68%), followed by 45 to 64 years of age (10%), under 18 years of age (11%), 18 to 24 years of age (7%), followed by those 65 years or older (4%).

At which Lake County facilities did overdose events present?

Table 1. Overdose Reporting Facility

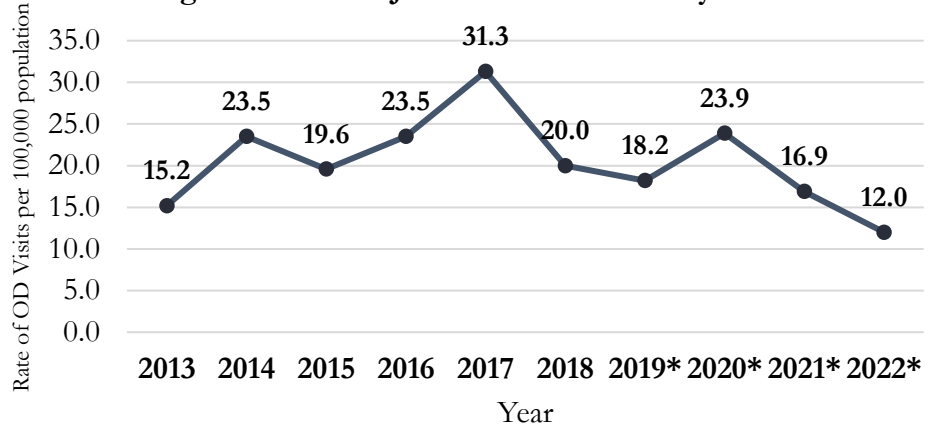
Facility	N	(%)
Inside of County	15	54%
Outside of County	13	46%
Total	28	100.0

During the month of June, nearly half of Lake County residents who presented to ERs/UCs for suspected drug overdoses presented to facilities outside of Lake County (46%).

How does this compare with past years?

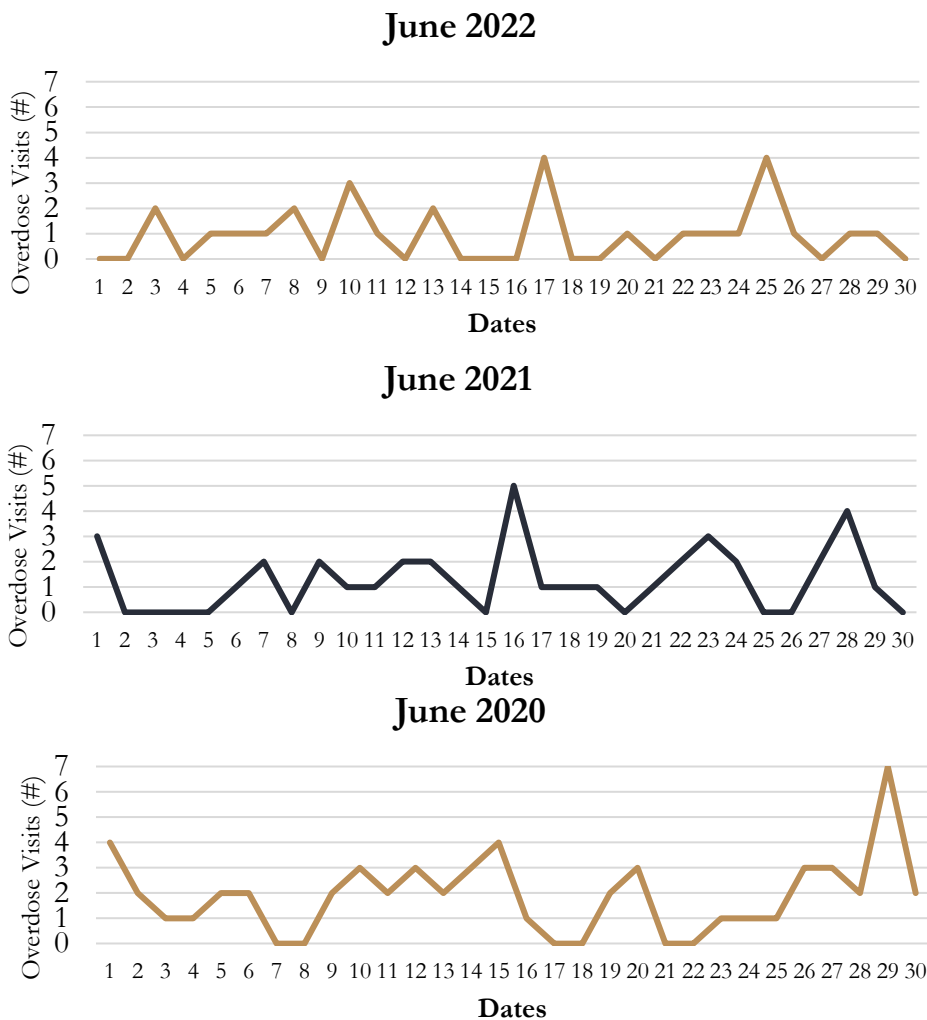
The June 2022 Lake County ED/UC overdose event rate per 100,000 population is the lowest rate observed for June in the past 10 years (Figure 4). It is 21% lower than the previous lowest rate of 15.2 observed in June 2013, and 62% lower than the peak rate of 31.3 observed in June 2017.

Figure 4. Rate of June Overdose Visits by Year



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

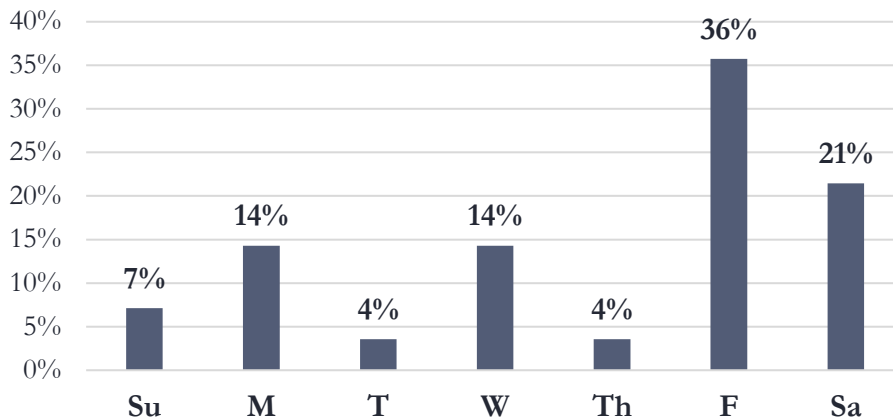
Figure 5. June Drug Overdose Daily Frequencies, 2020-2022



In order to provide for comparisons of daily ED/UC overdose event frequency, June events by day are illustrated for 2020, 2021, and 2022 (Figure 5). The daily maximum of four for June of 2022 is less than the daily maximum of five in 2021 and 43% less than the daily maximum of seven reported in 2020. Moreover, mean daily ED/UC overdose event frequency for June of 2022 (1.2), is the same as the rate observed in June of 2021 (1.2), and lower than June of 2020 (1.8).

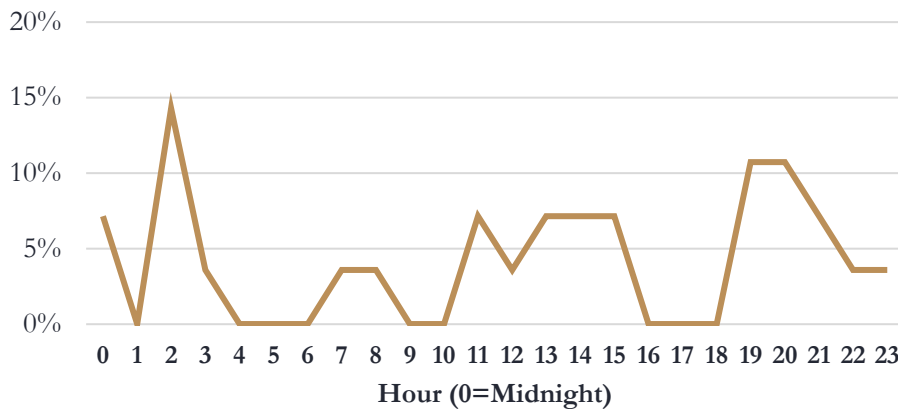
A total of thirteen days with no ED/UC overdose events observed during June of 2022, as compared to ten days in June of 2021 and six in June of 2020. June 2022 overdose events peaked on June 17, and 25, as compared to the 2021 peak, which occurred on June 16, and the 2020 peak, which occurred on June 29.

Figure 6. Overdose Occurrences by Day of Week



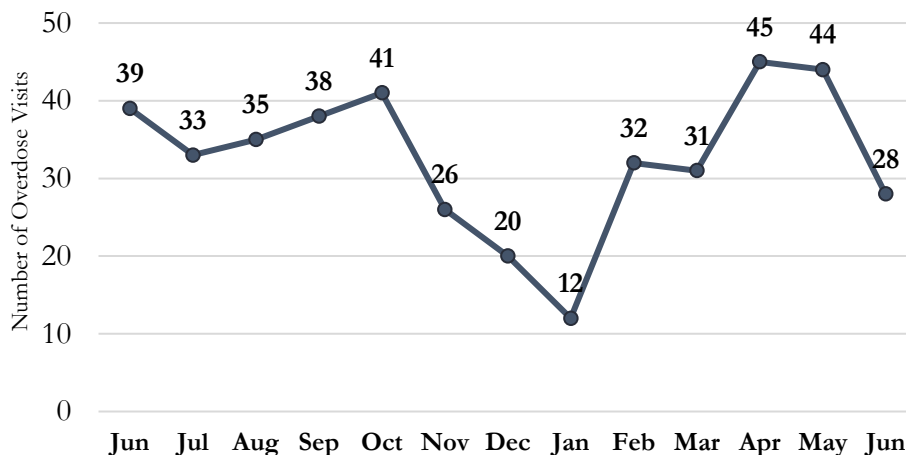
When organized by day of week, the frequency of ED/UC overdose events was highest on Friday (36%; Figure 6). Saturday experienced the next highest frequency of overdose events (21%), followed by Monday and Wednesday (14%, respectively), followed by Sunday (7%), and Tuesday and Thursday had the lowest frequency of overdose events (4%, respectively).

Figure 7. Overdose Occurrences by Hour of Day



June ED/UC overdose events were most prominent around 2:00 am (Figure 7). No overdose events presented to EDs/UCs during the hours of 1:00 am, 4:00 am, 5:00 am, 6:00 am, 4:00 pm, 5:00 pm, and 6:00 pm during the month of June.

Figure 8. Overdose Counts – Past 12 Months



When organized by month, ED/UC overdose events decreased 15% from June 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 38% from April to June (Figure 8). A total of 192 ED/UC visits for drug-related overdose events have been observed thus far in 2022, as compared to 229 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: 8/22/2022



**Lake County
General Health District**

Public Health

Prevent. Promote. Protect.

