Syndromic Surveillance
Suspected Drug Overdose Dashboard

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Agenda

• Overview of EpiCenter
• Overview of Suspected Overdose (OD) Dashboard
• Walkthrough of OD Dashboard
EpiCenter Transmitting Facilities

- 229 Ohio connected emergency departments and urgent care centers
  - Voluntary participation
  - Data transmission in near real-time or batched
  - Includes 16 urgent care facilities
  - Estimated 95.2% (213/224) coverage rate of all emergency departments in Ohio
  - Cross-jurisdiction data feeds: MI (2), KY (5)
Syndromic Surveillance for Drug Overdoses

- Anomaly detection for drug overdoses using the Traumatic Injury Drug Classifier
- Track trends in suspected unintentional or undetermined drug overdoses using the new Ohio Opioid-Related Classifier
Enhanced State Opioid OD Surveillance (ESOOS)

EpiCenter Ohio Opioid-Related Classifier

3 Classifications

1. Suspected drug OD
2. Suspected OD involving any opioid
3. Suspected OD involving heroin
EpiCenter Ohio Opioid-Related Classifier
Suspected Drug OD Case Definition

Includes information from the following fields:

- Chief complaint
- Diagnosis
  - ICD-9-CM and ICD-10-CM initial encounter unintentional drug related OD codes
- Medical notes
EpiCenter Data Limitations

• The detail and quality of data transmitted to EpiCenter can vary by facility and overtime.
• Counts and rates are subject to change.
• Data sent from facilities may be delayed or may stop for a period of time.
• They are not considered confirmed cases, but “suspected” OD.
• The suspected opioid OD and the suspected heroin OD classifications are most likely underestimates of OD visits.
What is a Data Dashboard?
EpiCenter Data Dashboard

• Increase Data Accessibility
• Near Real Time Data
• Offer Visuals
Data Dashboard

- Statewide trends and demographics
- County/regional level trends and demographics
- County table
- Ohio rate map
Emergency Department Visits for Suspected Drug Overdose Among Ohio Residents Ages 11 Years and Older

This interactive dashboard offers near real-time information about emergency department visits for suspected overdoses across the state from July 2016 through April 2019.

- Statewide Trends and Demographics
- Trends and Demographics by County of Residence
- County Data Table
- County Rate Map

Data for this dashboard are from Ohio’s syndromic surveillance system, EpiCenter, which collects real-time data from approximately 95% of Emergency Departments (ED) in Ohio. The data presented includes all ED visits among Ohio residents age 11 and older who meet Ohio’s syndromic surveillance definition for Suspected Drug Overdose. This definition includes three classifications derived from information submitted to EpiCenter from the chief complaint, diagnosis codes, and medical notes.

The three classifications include:
- Suspected Drug Overdose - suspected drug overdose of any substance, including over-the-counter, prescription and illicit drugs.
- Suspected Opioid Overdose - suspected overdose of any opioid substance, including prescription and illicit opiates, such as heroin and illicitly manufactured fentanyl.
- Suspected Heroin Overdose - suspected overdose that includes a mention of heroin in the chief complaint or medical notes and or a diagnosis code indicative of a heroin poisoning.

For information on limitations, please click Here.

The Ohio Department of Health continues to improve the quality, completeness and timeliness of the data. The interactive data dashboard represents overdose data as of May 13th and is subject to change with each update, especially in the most recent quarter’s data.