What is CEDR?

- The American College of Emergency Physicians’ (ACEP) Clinical Emergency Data Registry (CEDR) is the first Emergency Medicine specialty-wide registry.

Collecting CEDR Data

- Data are collected on a site-by-site basis with site-specific timelines. This can result in a short data lag.
- All data are normalized before being pushed into the Clinical Data Repository to be queried.

Use Case: ED Visit Surveillance During the COVID-19 Pandemic

Query-Level

- Standardization & Normalization
  - Excluded all inactive data streams
  - Excluded sites where EHR feeds were not normalized or complete

Additional Cleaning at the Yale Analytics-Level

- LOWESS
- Poisson Regression Modeling
- Incident Rate Ratios

Retrospective Findings

Nationwide

The decline in ED visits for these time-sensitive conditions suggests COVID-19 may continue to impede patients from seeking essential care.†

In Older Adults (40+)

The decline in ED visits for emergent conditions in older adults might explain excess mortality seen nationwide during the COVID-19 pandemic.*