

The COVID-19 pandemic generated several crises specific to the Emergency Department (ED) including large drops in ED patient volumes and increased burden of capturing valid pandemic data to measure nationwide effects in emergent ED conditions. Since 2015, the American College of Emergency Physicians (ACEP) has been developing and maturing its Clinical Emergency Data Registry (CEDR) into a big data resource to facilitate data reporting and democratize nationwide emergency medicine analytics. ACEP, in partnership with the Yale School of Medicine, successfully queried, normalized and analyzed ED visits before and during the COVID-19 pandemic elucidating the effects on the occurrence of emergent ED conditions.

*This poster presentation is particularly relevant to front-line clinicians and hospitals facing COVID-19-related burdens, as well as public health researchers, informaticists, and specialty societies interested in big data use cases for medical specialties.*

