

SEPSIS DATA TRACKING REPORTS



Increase the value of your participation in PHIS and IE programs by submitting sepsis data.

CHA's Sepsis Data Tracking Reports offer Pediatric Health Information Systems® (PHIS) and Inpatient Essentials (IE) participating organizations the opportunity to submit, track, and benchmark sepsis data that provide meaningful insights into sepsis care at your hospital. These user-friendly Tableau reports combine sepsis process metrics and outcomes with PHIS and IE data. CHA encourages all hospitals to participate in this optional submission.

SEPSIS REPORT FEATURES

- Filtering capabilities – including care setting, severity of illness, and more
- Statistical process control charts
- Case level data downloads
- Performance tracking and peer benchmarking on key sepsis metrics

BACKGROUND AND SEPSIS IDENTIFICATION

From 2016-2023, the Improving Pediatric Sepsis Outcomes (IPSO) nationwide collaborative brought together 66 children's hospitals focused on improving outcomes for children with sepsis. Utilizing multimodal quality improvement (QI) science, evidence-based bundles of care, and data-driven performance evaluation, the IPSO collaborative successfully decreased mortality rates and time spent in the hospital among children with sepsis. IPSO received the 2025 John M. Eisenberg Patient Safety and Quality Award for National Innovation from the Joint Commission and National Quality Forum.

Sepsis cases are identified using IPSO's intent-to-treat criteria. For hospitals that were not a part of IPSO, we will support you in implementing the patient identification criteria.

RESOURCES REQUIRED

Most sepsis data variables can be automated with the assistance of IT resources. Continued resources will be required to submit the file, along with several manual entries such as those pertaining to sepsis-attributable deaths. For hospitals that were not a part of IPSO, we will support you in implementing the patient identification criteria. There is a one-time implementation fee but no other participation fee.

PROCESS METRICS

- Positive screen rate
- Positive huddle rate
- Order set utilization
- Recognition compliance
- Time to first fluid bolus
- Time to first antibiotic
- Overall sepsis bundle compliance

OUTCOME AND BALANCING METRICS

- Sepsis-attributable mortality
- Hospital days per sepsis case
- ICU utilization
- Readmission rates
- Antibiotics days
- Cost and Case Mix Index
- Incidence of sepsis

IPSO ACHIEVEMENTS

- Joint Commission award-winning collaborative
- 9 pediatric journal article mentions
- 15 conference presentations



Learn more about CHA's data products.

ChildrensHospitals.org/analytics