Raising the Alarm: A New Era in Sepsis Recognition and Response

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Background and Purpose

Door-to-treatment times and outcomes were below national standards. Internal data and CMS audits (52% bundle compliance) identified gaps in sepsis awareness and early recognition.

Model and Methods

Analyzed internal sepsis metrics to identify care gaps. Implemented joint EMS/ED education and standardized sepsis alert criteria to improve early recognition and communication, guided by Sepsis Alliance and CMS best practices.

Process Change

Partnered with EMS to implement prehospital sepsis criteria and ED alerts to improve early identification. Provided joint EMS/ED education on sepsis, performance metrics, and sustained improvement.

Results

Following education and alert implementation, SEP-1 compliance improved **from 52% to 76%.**

- Time to antibiotics decreased **(119→99 min)**
- 30-day Readmission rate decreased **(8%→4%)**
- Length of Stay decreased **(7.8→5.2 days)**

Conclusion

Prehospital collaboration, sepsis alerts, and focused education improved early recognition, accelerated treatment, and led to better outcomes.

Thank you for your collaboration:
Pharmacy | Emergency Department | MICS | Laboratory | IT