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Is sepsis hiding in plain sight? Implementation of an interprofessional (IP) sepsis simulation to detect early sepsis

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Interprofessional Simulation Improves Confidence in Detection and Management of Early Sepsis



Is sepsis hiding in plain sight?

Implementation of an interprofessional (IP) simulation to detect early sepsis

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Introduction

- Sepsis is the cause of 35% of hospital mortalities. While most sepsis cases originate in the community, at least 15% of MMC sepsis cases are hospital-acquired.
- With highly effective IP teams and efficient healthcare systems, sepsis treated quickly can influence morbidity and mortality.

Methods

- An IP team developed an evolving sepsis simulation scenario, incorporating clinical assessment, system workflows, escalation of care and team communication for early sepsis recognition.
- Data collection, via electronic survey included sepsis and workflow knowledge assessments and confidence related to working in highly-effective teams.
- 4 simulation trainings were conducted with nurses, internal medicine and med-peds residents, PA students, and clinicians from critical care and surgery.

Results

- The average years of experience was 3.7 and average years at MMC was 2.4.
- 25 participants demonstrated positive changes in 13 of the 15 assessment questions
- Feedback from learners emphasized takeaways with improved communication, working together and as a team, and understanding roles and responsibilities of other care team members.

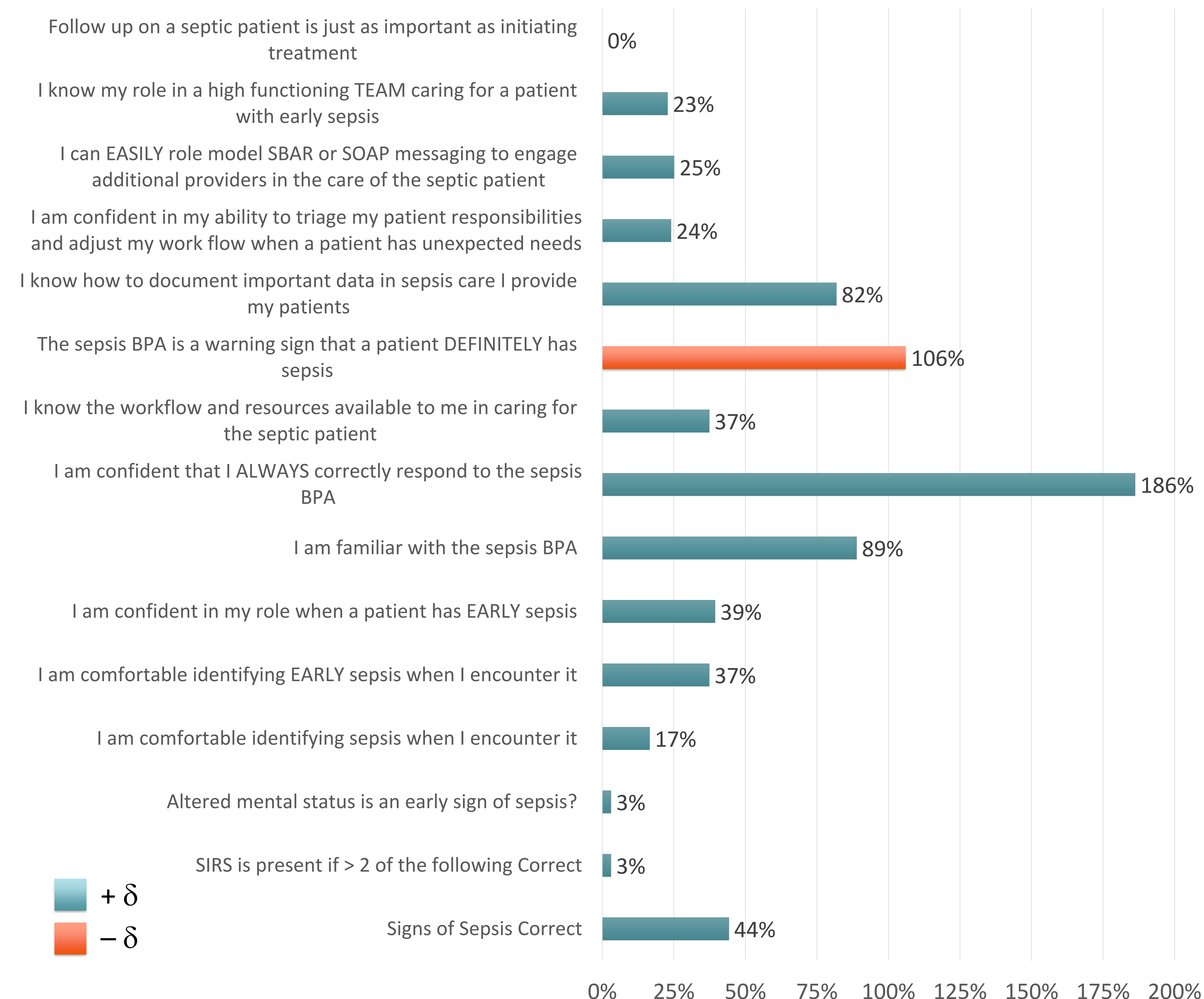
Discussion

- Nurses and providers rarely have an opportunity to train together. Interprofessional mannequin trainings brings
- Sepsis can be elusive but strengthening skills to work as a team in early-career clinicians is a targeted approach that provides the missing link to effective, timely treatment of early-detection of sepsis.

Lessons Learned

Systems	Clinical Knowledge	IP Teams
When is Epic chat appropriate	Abx stewardship-hold if there is no source	Workflows of other professions
Sepsis order set	Triggers to call provider AIM service red-yellow-green	Awesome to train together
Documentation in Epic	Zosyn before Vancomycin	Seeing other professions' processes-communication and chart review
Significance and monitoring of BPA, Sepsis/DI Scores	Defining SIRS, Sepsis, Shock	Communication: what does each profession worry about?

% Change in Pre-Sim and Post-Sim Knowledge



Common Debrief Themes

