



Improving OB Sepsis: Identification & Focused Treatment

Bryn Mawr Hospital, Lankenau Medical Center, Paoli Hospital, Riddle Hospital

Opportunity

Establish a system-wide approach to improve early recognition, diagnosis, and management of sepsis in pregnant and postpartum populations, supported by targeted education and enhanced EMR tools for clinicians.

Status

Initial Implementation: February 3, 2026

- EPIC EMR updates completed including Sepsis Time Zero, Sepsis Checklist, Order Sets.
- Staff education – review updated sepsis guidelines and sepsis focused EMR tools.
- Increased awareness of criteria differences between the OB population and the general adult sepsis population

Next steps:

- Ongoing review of obstetric/postpartum sepsis cases and bundle compliance.

Team

Sponsor: Fran Cusick, VP Patient Svcs.

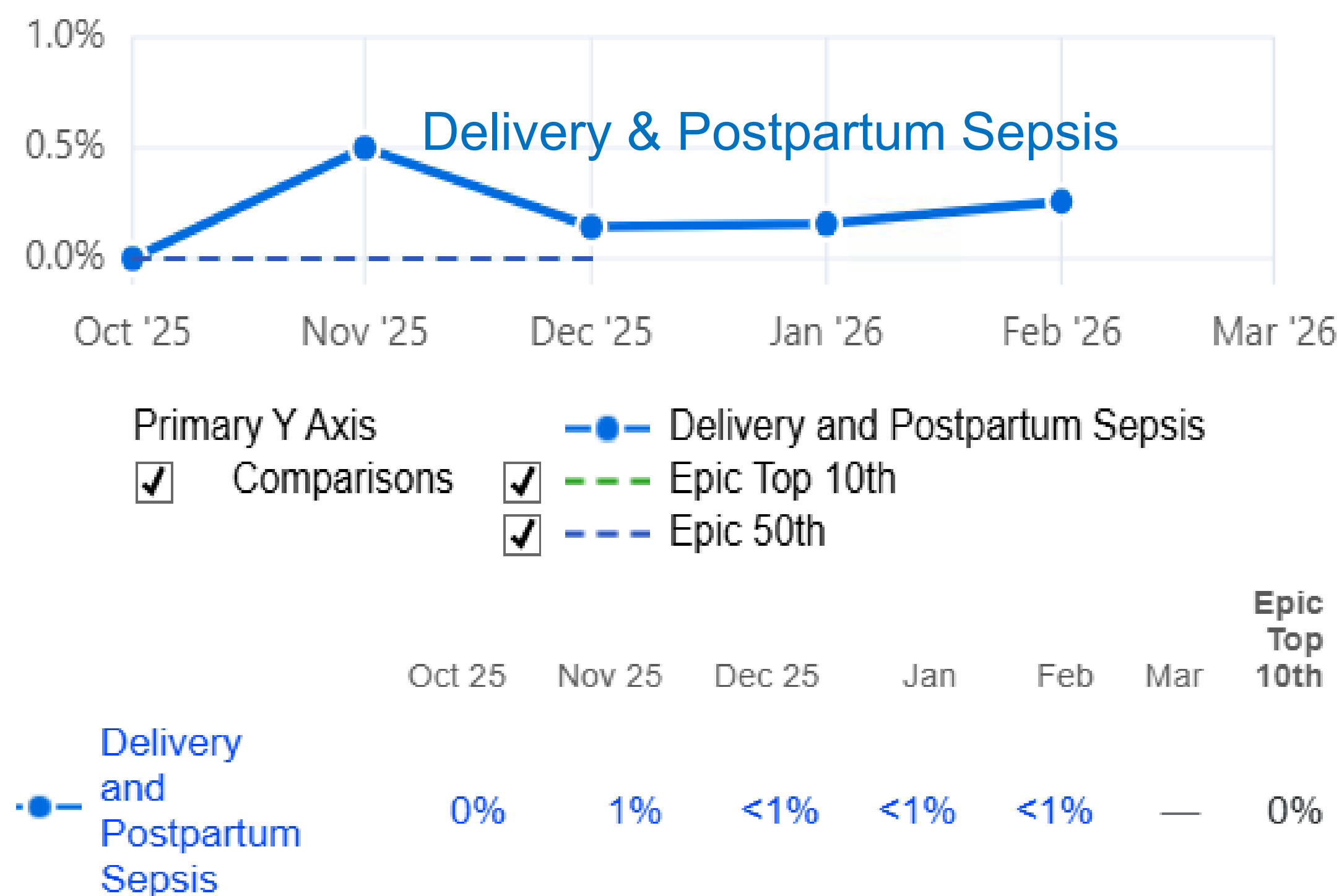
Leads: Lia Desposito, DO, Jackie McLaughlin & Stephanie Langsam, MD.

Team: Jillian Hatch, Maryann Mattes, Betsy Cullinan, Nikki Davis, Andrea Master-Basciano, Emily Goyne, Tamika Castner, Sharon Register

Results & Measures

Patients meeting Sepsis Bundle Criteria:

- Baseline 2023 = 38.9%.
- 2025 = 50%



CY 2023	MetBundle	All OB Sepsis Pts.	Rate Meeting Bundle
Bryn Mawr Hospital	2	5	40.0%
Lankenau Medical Center	3	9	33.3%
Paoli Hospital	1	1	100.0%
Riddle Hospital	1	3	33.3%
Grand Total	7	18	38.9%

CY 2025 OB Sepsis Bundle Completion			
Hospital	Met Bundle	Bundle Population	Pct
Bryn Mawr	0	0	N/A
Lankenau Medical Center	1	1	100%
Paoli Hospital	0	1	0%
Riddle Hospital	1	2	50%
Grand Total	2	4	50%

*Because the N value is so low, there is increased variability in percent values.

Key Interventions

1. Conducted a current-state assessment with the Sepsis team to identify gaps and prioritize needs for pregnant and postpartum populations.
2. Reviewed current best-practice guidelines for sepsis care, treatment plans, and sepsis protocols to align with PQC recommendations.
 - Antibiotic recommendations and system-specific antibiogram data reviewed and updated
 - Infectious Disease, Pharmacy, Obstetrics approval
3. Leverage the Epic EMR to strengthen early sepsis screening, detection, and treatment for pregnant and postpartum patients.
 - Adapted SIRS criteria and end-organ dysfunction parameters for obstetric and postpartum populations.
 - Optimized Sepsis Time Zero and Checklist to reflect Sepsis Core Measure Bundle metrics for this special population.
 - Revised sepsis order sets to align with updated obstetric-specific sepsis identification criteria.
 - Analyzed case data to validate and refine screening criteria for optimal sensitivity and specificity.
 - Collaborated with the system Sepsis team and Emergency Department to confirm alignment.
4. Deliver targeted education to L&D and non-L&D clinical staff and providers on sepsis identification and management.
5. Develop and adopt an ACOG-aligned patient education flyer outlining warning signs of sepsis.