Increasing Compliance with SEP-1 Bundle at Northern Dutchess Hospital

Ellen Edge RN, CJC and Katherine Fuller MSN, RN, CPHQ

Introduction

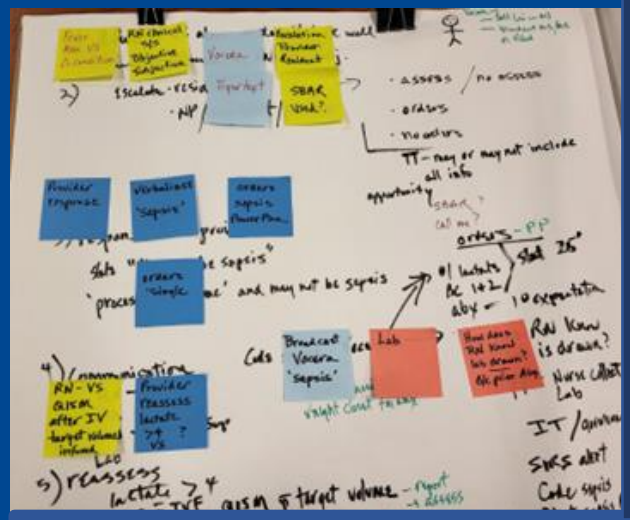
Northern Dutchess Hospital recognized an opportunity to improve its compliance with SEP-1 bundle to improve sepsis outcomes and positively influence quality scores, performance and financials.

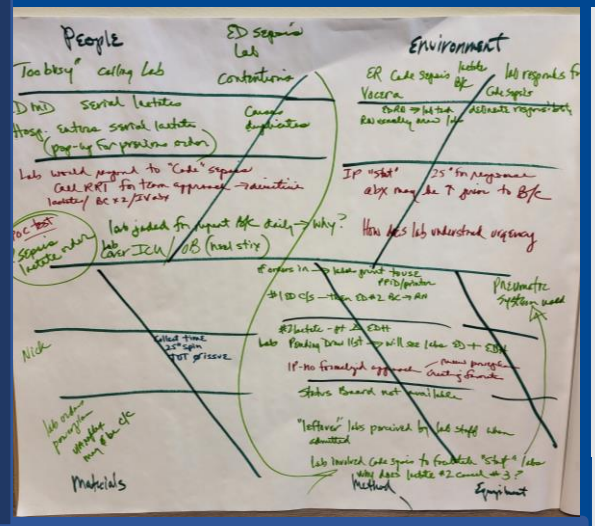
AIM Statement

Increase compliance with Sep-1 bundles to achieve 70% by the end of FY2024 by taking systemized approach with performance improvement tool.

Analysis – Driver Diagram

Used run charts to analyze bundle elements to determine key primary and secondary drivers.





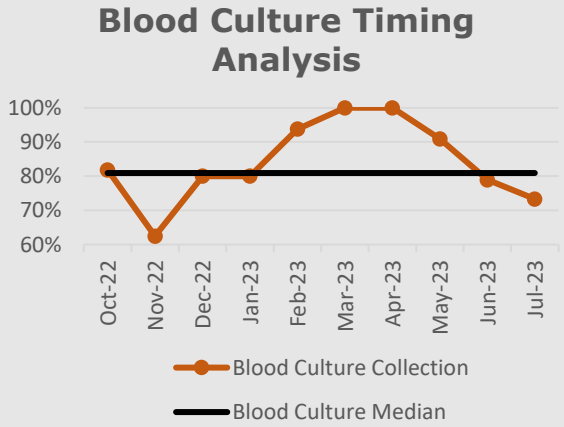
Plan: Use Electronic Lab PPID Device **Do:** Educate and deploy

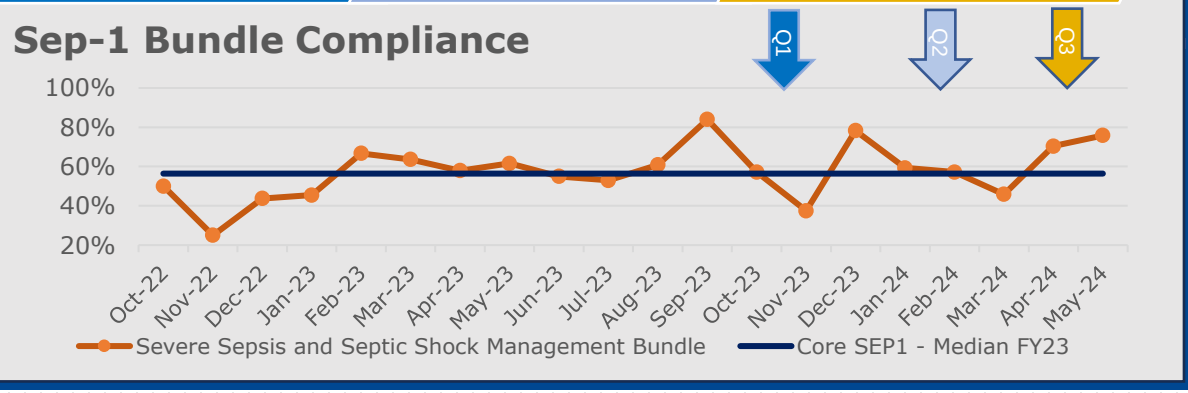
Study: Limited devices, No buy in **Act:** Adapt; add devices; educate

Q1
- Charter
- Workplan/group
- SBARs
- IT Fluid solution

Q2
- RN Handoff tool
- Power plans
- PPID devices
- PDSA Cycles

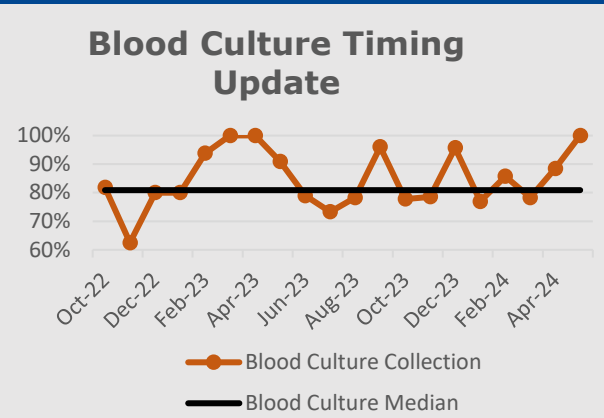
Q3
- Fishbones
- Process Map
- Tailored education
- Inpatient Process Map





Methods

Charter
Driver Diagrams
Plan Do Study Act
Cause and Effect Diagrams (Fishbones)
Process Mapping



Results and Discussion

- Q3 start to see improvement
- Listen to front line staff to learn the true workflow
- Use run charts to determine if changes are the result of special cause variation
- Be patient and agile

References

CDC. Hospital Sepsis Program Core Elements. Atlanta, GA: US Department of Health and Human Services, CDC; 2023. Available at https://www.cdc.gov/sepsis/core-elements.htm

Evans, et al. Surviving Sepsis Campaign: International Guidelines for Management of Sepsis and Septic Shock 2021. Critical Care Medicine 49(11):p e1063-e1143, November 2021. | DOI: 10.1097/CCM.0000000000005337. https://journals.lww.com/ccmjournal/Fulltext/2021/11000/Surviving_Sepsis_Campaign__International.21.aspx

Nuvance Health

NAHQ