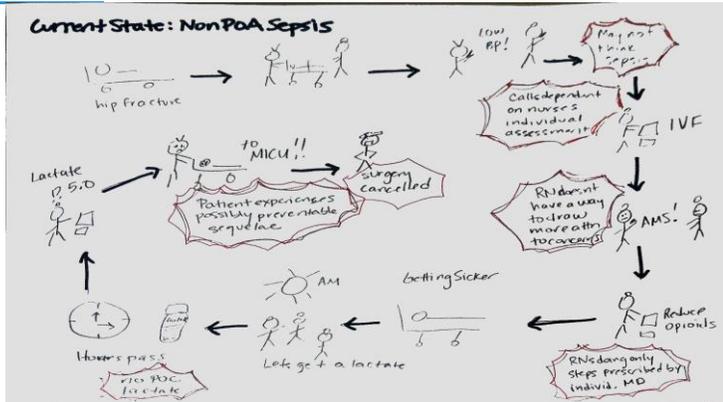


Problem: Adult patients who develop sepsis while hospitalized at OHSU are 2.5 times more likely to die than expected (Vizient comparators)

In scope: hospitalized adults at OHSU
 Out of scope: POA sepsis, ED, pediatric units

Background (why we are working on this): In 2018, the Mortality A3 (working to achieve Vizient top 10) identified that patients who develop sepsis while hospitalized have worse outcomes than our comparators. This O/E ratio has increased year over year since 2016.

Current state:



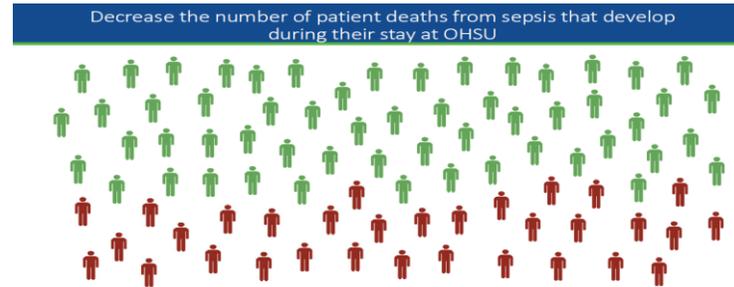
Outcome metric/Specific Aim:

Mortality O/E for OHSU will be 2.4 by July 2020

Problem Analysis (Root Causes):

- Delays: We don't quickly recognize early signs of sepsis in hospitalized patients
 - Anchoring prevents consideration of new condition
 - Lack of source control
 - Variation in when we call RRT or provider team
 - Lack of way to identify "soft" constellations of symptoms which may indicate sepsis.
 - Sepsis wasn't top of mind.
- We lack a standard response to patients with possible sepsis
 - Variation in nursing roles/actions
 - Variation in physician roles/actions

Future state visual/drawing:



At least 2 tests of Change:

Root Cause (#)	Idea/Intervention	Hypothesis about impact on outcome metric	Dates of experiment	What happened? What did you learn?
1,2	Quality Medical Directors review all non-POA sepsis cases	Identification of specific areas of vulnerability in recognition and treatment will drive new standards	July 2018-present	
1	Epic BPA alerts teams to possible sepsis	Earlier recognition will result in earlier action and eventually will reduce mortality	12/2018	
1,2	Sepsis tile (GE)	Improved SEP-1 Bundle Compliance due to real time monitoring and reporting of the system.		
2	POC Lactate Testing	Switching to POC lactate testing to reduce time to action		

Process metric target (from X to Y by when):

Achieve > 88% SEP-1 Bundle Compliance by end of FY20.
 Increase BPA Alert response by staff to 90% by 12/2019.

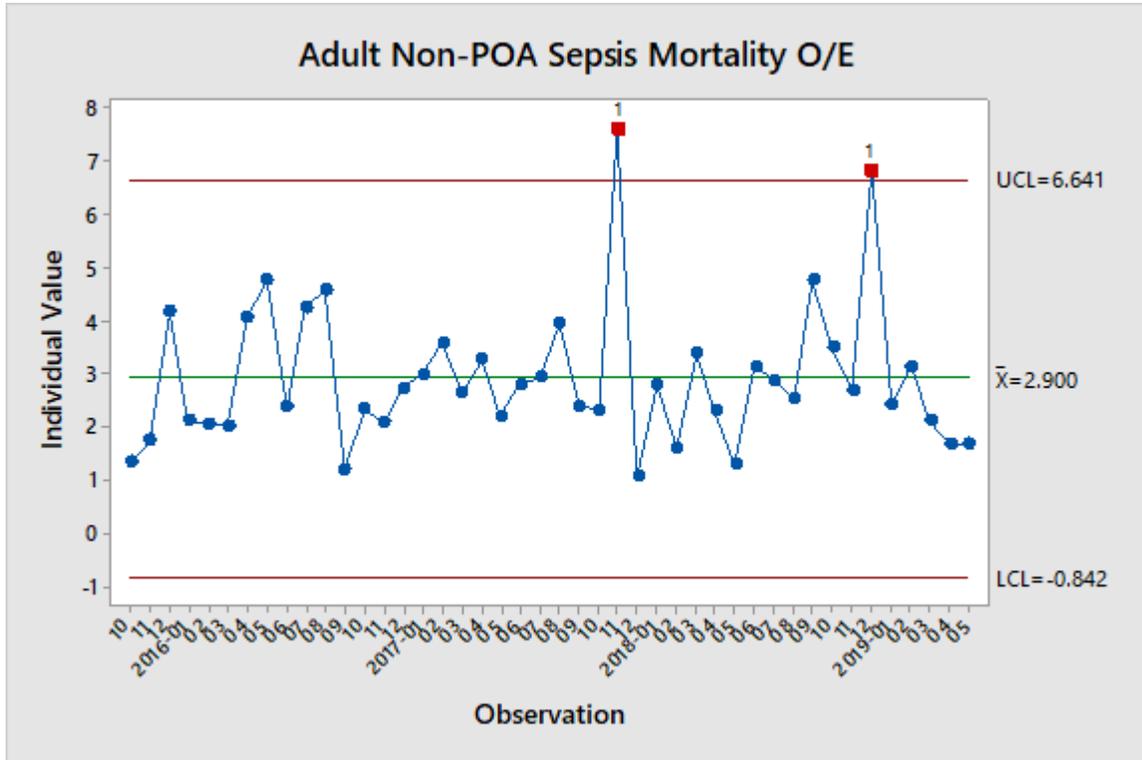
Sustainment:

This project has leveraged real-time decision support in the EHR to optimize sustainability.



Run Charts

Display one outcome metric:



Display one process metric:

