

Improving Use of a Standardized Medical ICU Order Set

**Drs. Ernesto Munoz, Sessa Sai Kanakamedala, Ramzy Daoud,
Suhail Saad-Omer & Aarushi Varshney**

Mentor: Dr. Tristan Tanner

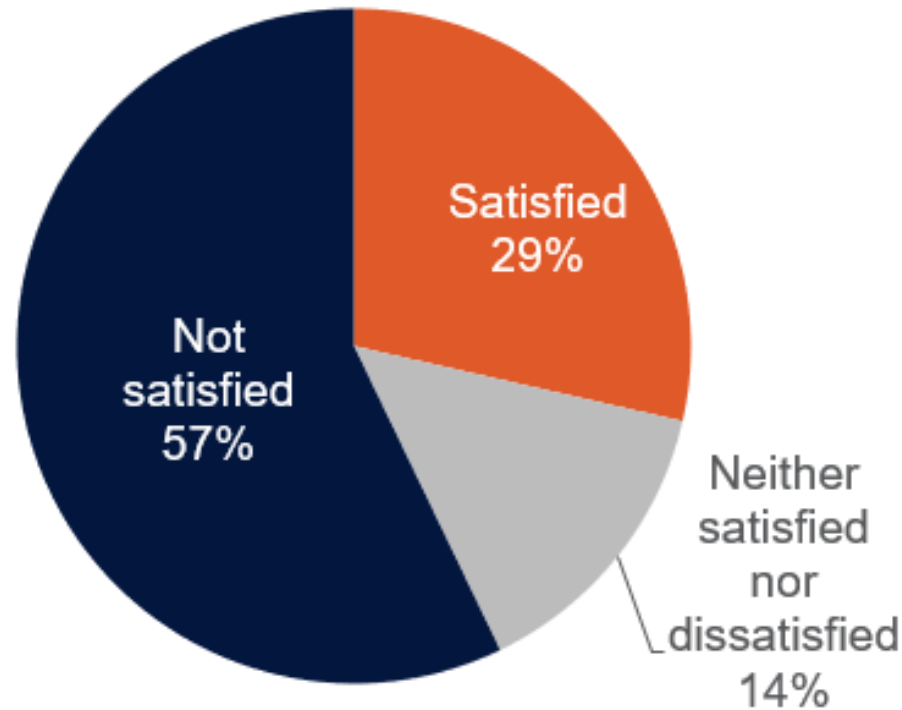
Internal Medicine Residency

May 26th, 2022

Area of Interest/Problem Statement

- The ICU is one of the sites in which medical errors are most likely to occur because of the complexity of care as well as lack of communication between providers on transfer of care to the ICU.¹
- Patients can be in the ICU for a prolonged period of time and it is important that adequate nutrition, proper ventilator settings, and bowel regimens are provided to prevent additional complications or increased length of stay (LOS).
- Multiple studies have shown that use of standardized order sets (SOS) for admission help to decrease hospital length of stay, adverse events, and hospitalization costs.¹

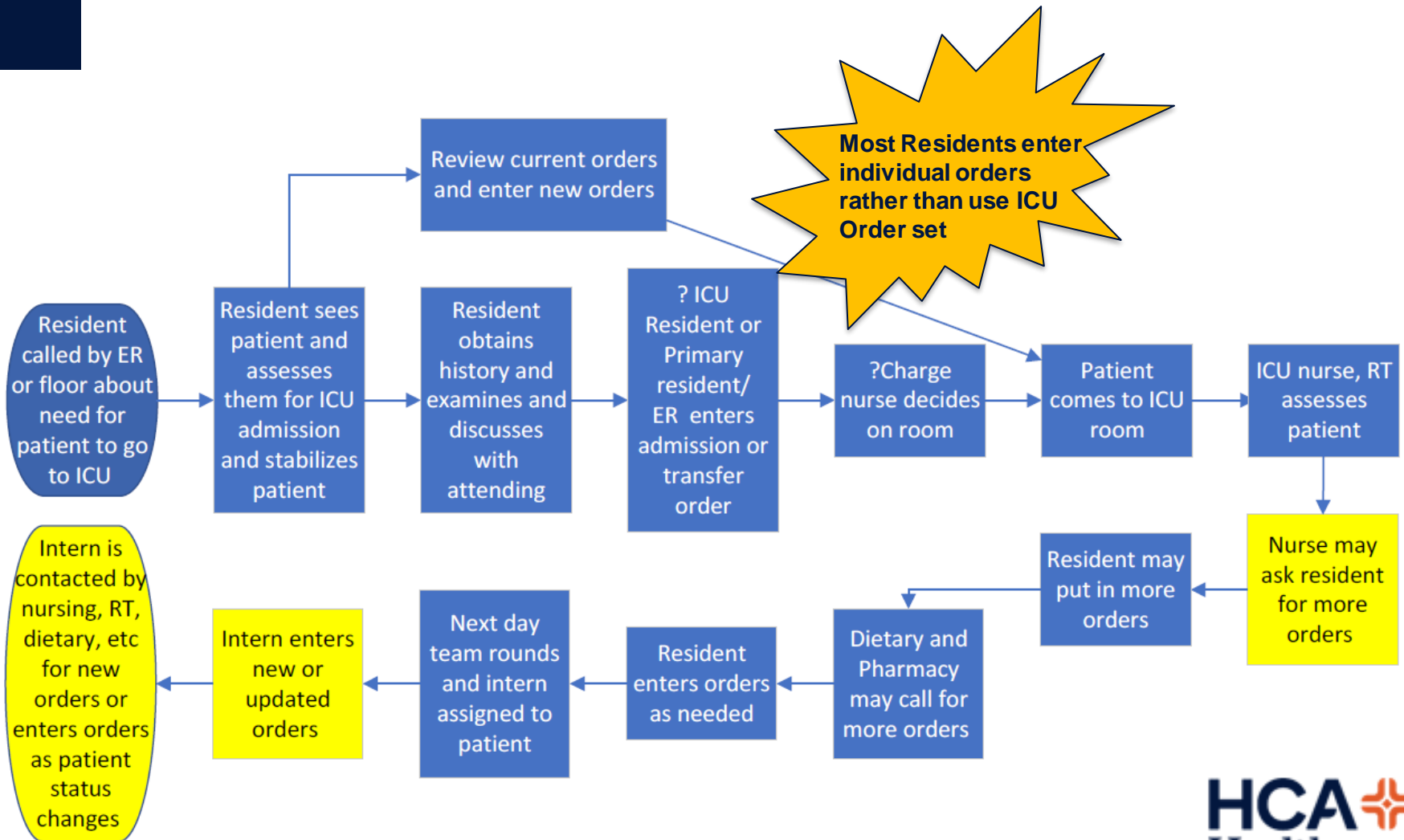
Resident Satisfaction With Current ICU Order Set



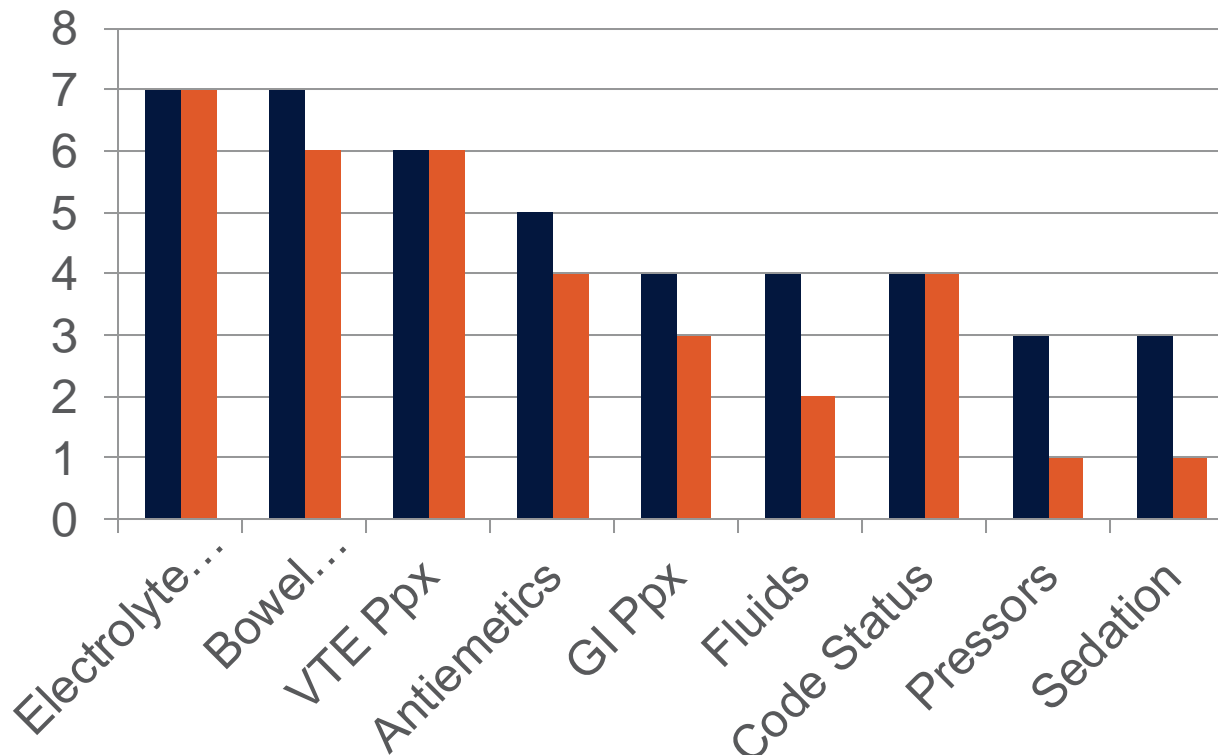
*** 11 residents interviewed
December 2021**

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Process Map of ICU Admission



Survey of Intern Calls for Orders

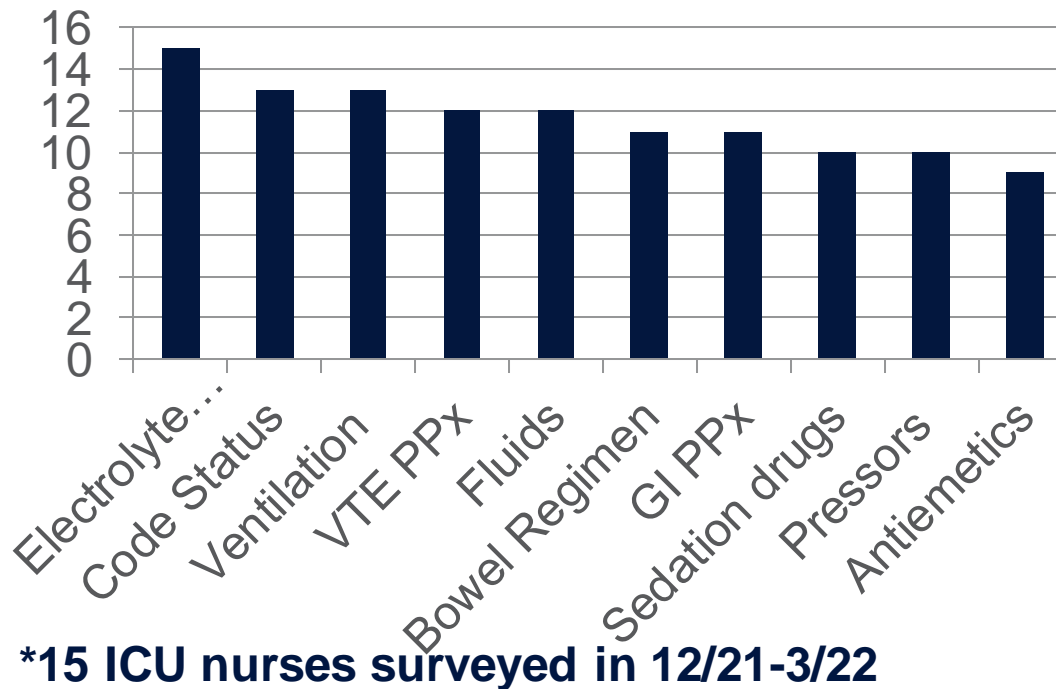


Blue- number of calls
Orange- if the resident thought the call could have been prevented by an order set

***8 interns surveyed on rotation in 12/21**

Survey of Nursing Expectations for Order Set

Nurses surveyed about their current level of satisfaction with the ICU Admission Process: Average 6.8 / 10 (10 = Very Satisfied)
***8 Surveys Returned**



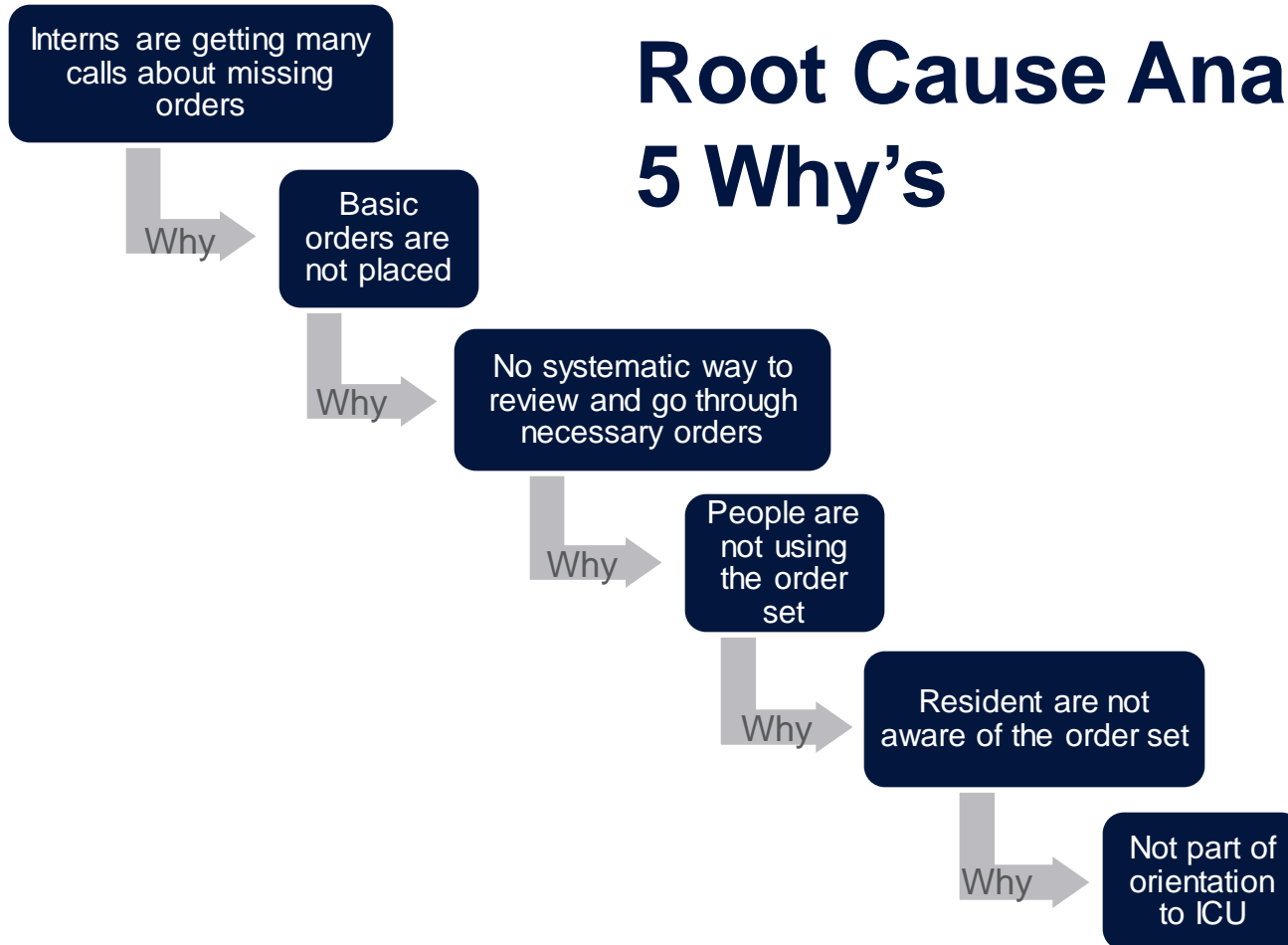
***15 ICU nurses surveyed in 12/21-3/22**

Aim

By October 2022, we will have implemented a standardized medical ICU admission order set that is utilized in at least 50% of all ICU admissions at Osceola Regional Medical Center.

We will aim for a nursing and resident satisfaction with the final process of at least 8/10.

Root Cause Analysis: 5 Why's



Proposed Data Collection

- Work with clinical Informatics team to extract data on the number of times the ICU order set has been utilized per month
- Periodic spot check of ICU order utilization in current resident ICU admissions
- Follow number of times interns are called for specific orders
- Nursing and resident satisfaction survey

Proposed Intervention

- Increase awareness of ICU Order set including formalizing ICU Orientation for Interns/Residents
- Align Order set to address ICU Metrics
- Meet with stakeholders to make other suggested changes including interviewing ICU Attendings
- Adjust current ICU order set
 - Ventilator settings
 - Mandatory resuscitation status
 - Bowel regimen