

Post-Op Time Out in the CVICU (Huddle)

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Sandra Young BSN,RN,CCRN

Heather Chipuk,BSN,RN

Background

- Research has supported the importance of timely recognition of readiness to wean and extubate from mechanical ventilation as quickly as possible
- Data showed a lack of communication between disciplines contributed to lost opportunities for early identification of patients readiness for weaning.
- National Nursing scores revealed a decrease in the collegial nurse-physician relationship and nursing participation in hospital affairs as compared to previous years.

Context of Work

Outcome Measures:

Reduce post-operative intubation rates
Improve OR Communication between Multidisciplinary Team

Multidisciplinary Workgroup

Sub Projects: Clinical Practice:

Post-Op OR Huddle

Literature
Review/Cost Benefit
Analysis

Equipment/Forms

Training

SOC to direct
Nursing/OR team

New
Processes
&
Structures:

Literature Review

Prolonged mechanical ventilation contributes significantly to the morbidity of patients. Reduction of time on the ventilator has been shown to improve outcomes. The Society of Thoracic Surgery (STS) guidelines provide only 8% of patients should be intubated for more than 24hrs post-operatively (post-op). Memorial Hermann-Texas Medical Center Heart and Vascular Institute was consistently above benchmark with monthly fallouts as high as 30%

Purpose

To develop a multidisciplinary, multi-phased care delivery project to decrease ventilation hours through improved communication and decision making in isolated CABG patients.

Implementation

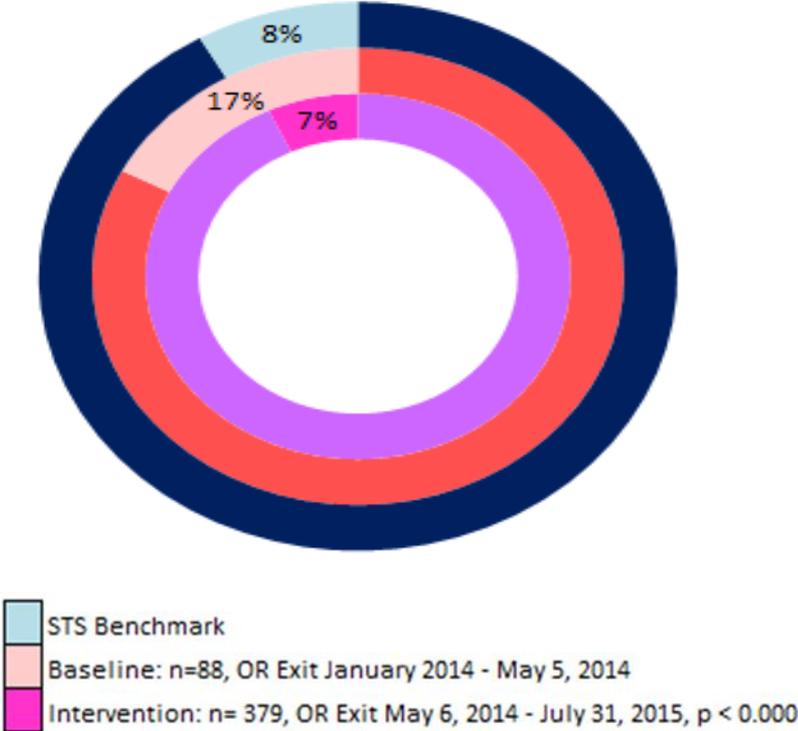
- Implementation of evidence based strategies
- Redesign an existing report sheet to include key factors for readiness to wean decision making required by each discipline and is used by all team members during huddle.
- Fast Track signage is placed on ventilators of patients identified ASAP for candidates for extubation within 6 hours
- All involved disciplines involved were educated and education for new staff members continues

Results

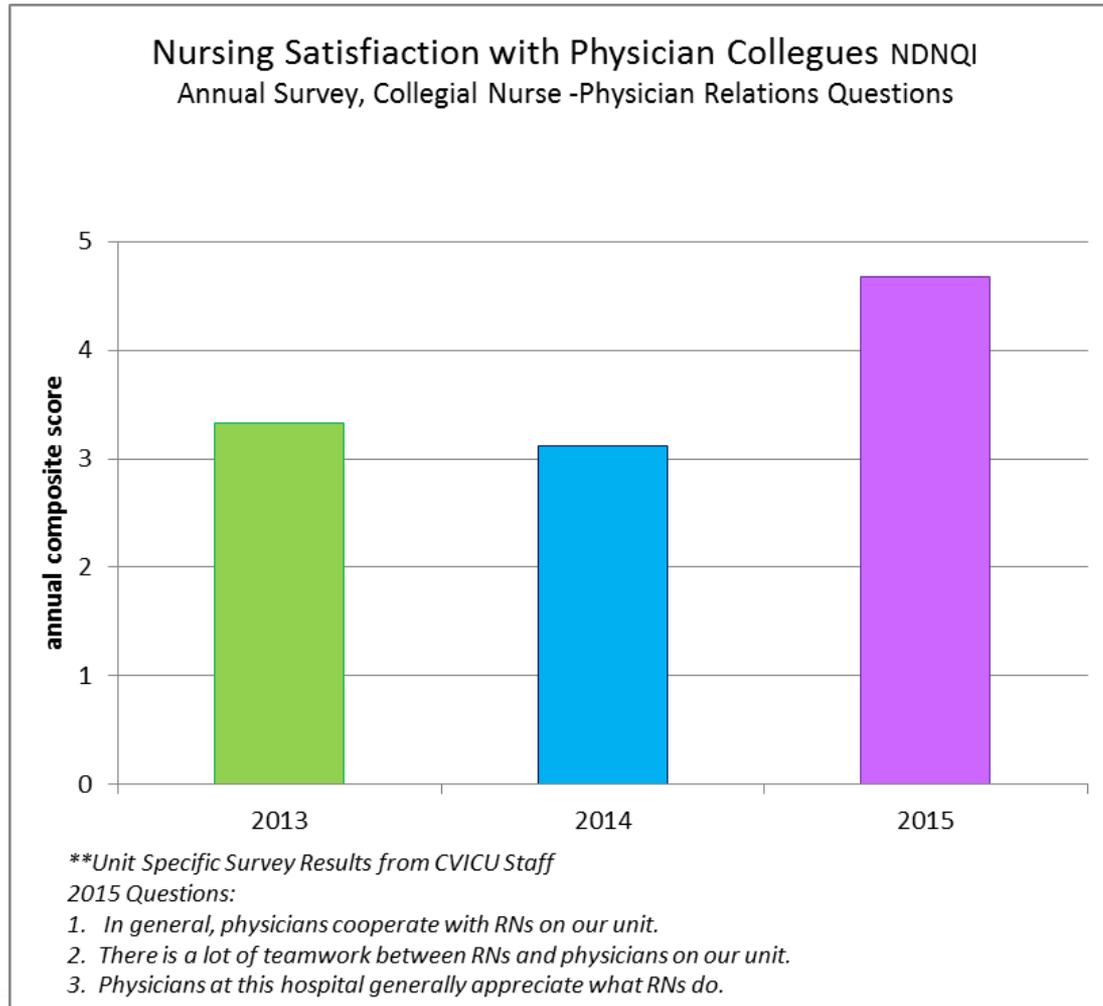
- Unit Culture shifted toward increased nurse satisfaction with physician collegial relationship improving with NDNQI scores increasing from 3.33 to 4.66
- The successful implementation of the project reduced the number of patients intubated past 24 hours post operatively from 21% to 7.4% over a 14 month period.

Outcomes

Prolonged Ventilation, Post-op Isolated CABG patients
% of patients intubated > 24hrs post-op, STS quality measure



Outcomes



Moving Forward:

Work to be Done:

- Continued Training of New Staff
- Data Collection for Fall-outs
- Link Resources & Expand Team
{Data Collection and PI support}