Hospital Acquired Aspiration Pneumonia Prevention Project

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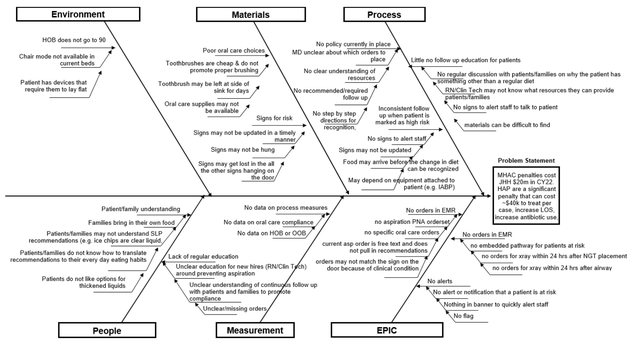
Problem

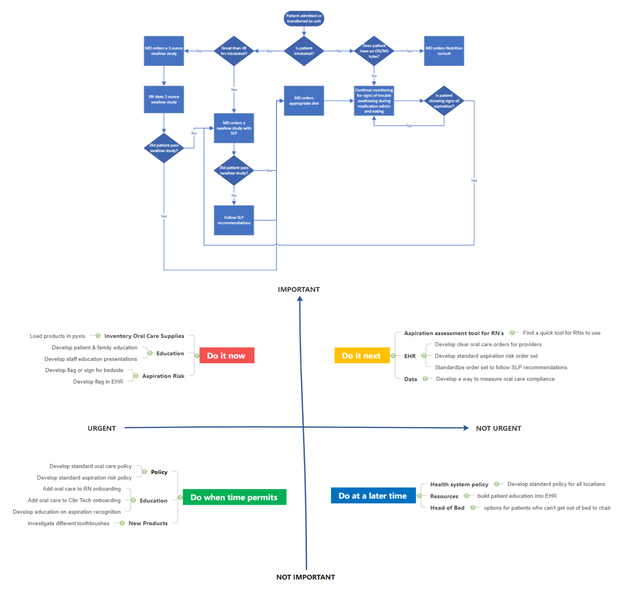
- *In 2018 the CDC published data reporting Hospital Acquired Pneumonia (HAP) is the #1 Hospital Associated Infection (HAI), with the non-ventilator patient population representing at least 60% of the cases.*
- *At a large academic hospital in CY 22 there were 24 aspiration pneumonia cases that were above the benchmark of similar hospitals.*
- *For the 6 months leading up to the implementation oral care compliance averaged 26% for the non-ventilated patients in the Cardiac Care Unit.*

AIM

- *To promote and provide oral care to the non-ventilated ICU hospitalized patient.*
- *By increasing oral care to our patients will decrease the bacterial burden in the oral cavity thus reducing the risk of hospital acquired pneumonia due to aspiration.*

Quality Improvement Tools





Interventions

- *Education was provided at day and night shift huddles which reached 18-20 people per day. This ensured all initial education of staff and provided reinforcement for those previously educated.*
- *40 nurses and 5 clinicians were educated in person.*
- *Information was reinforced at shift huddles.*
- *Developed an oral care kit for each patient.*
- *Implemented unit-based champions.*

Implementation

Pre-Go Live

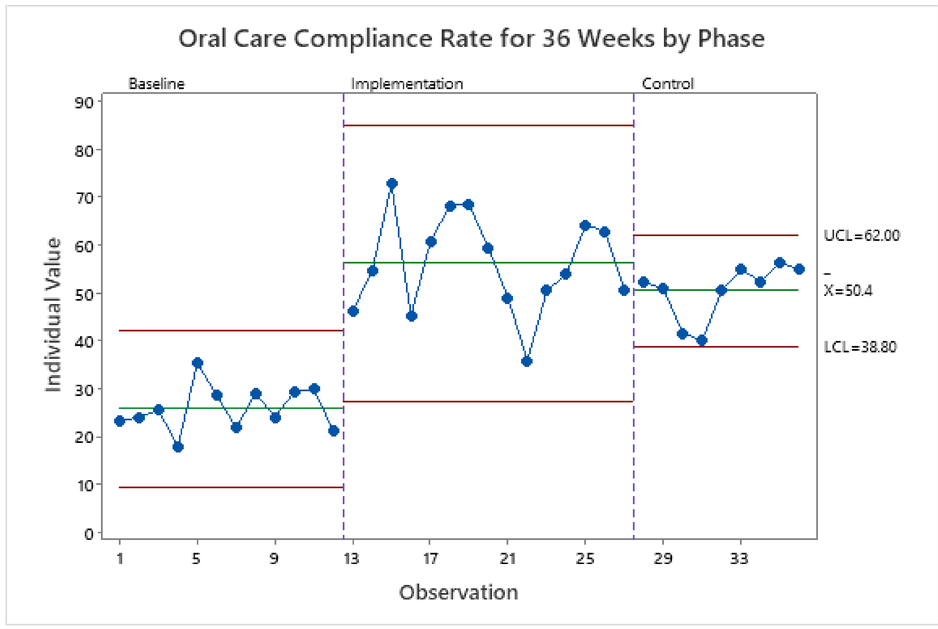
- *Initial kick off started at the CCU Unit Operations meeting with oral care education.*
- *Education and training was done for 30 straight days leading up to go live day.*
- *All personnel were sent an email with the same education.*
- *Official date set and communicated with staff.*

Go Live!

- *Reviewed at shift huddles.*
- *Reminders sent to staff during the shift.*

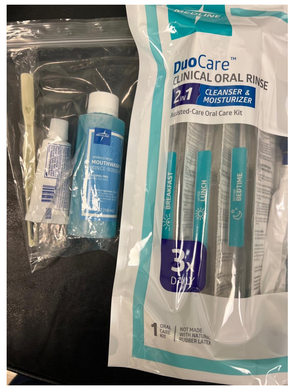
Results

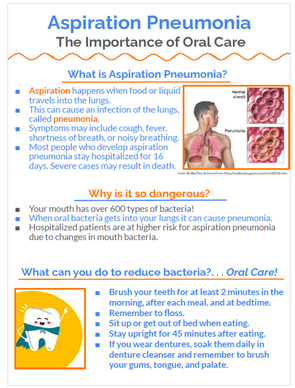
- *A total of 160 non-vented unique patients were tracked during the pilot spanning a three-month time-period.*
- *Data collected on a weekly basis from documentation in the electronic medical record.*
- *CCU doubled its average compliance from 25.8 at baseline to 56.1 during implementation.*
- *CCU has sustained their change in practice through the control period.*

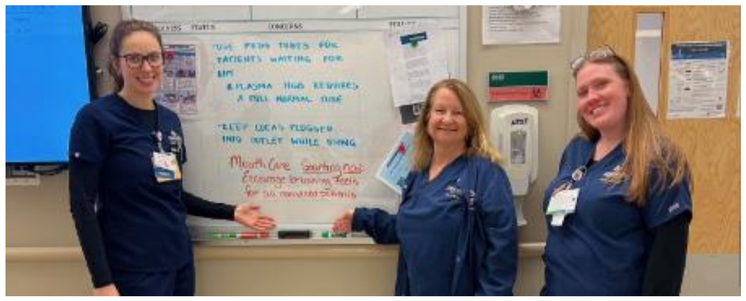


Sustainability

- *Data is centrally collected, summarized, and reviewed.*
- *Currently developing an oral care standard protocol.*
- *Clinical Technicians lead development of oral care kits for patients.*
- *Development of oral care education for CCU specific patients.*
- *Electronic medical record changes to support new protocol.*







References

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