Sustained improvement in the Quality of Nurse-Influenced Patient Care in the ICU

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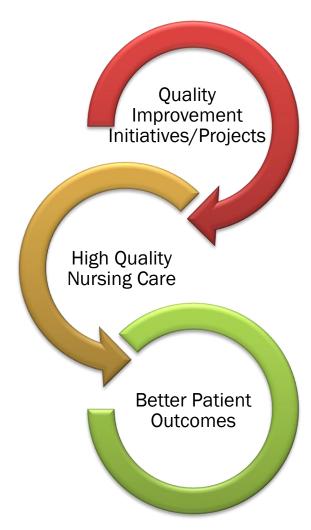
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Introduction



Nurse Influenced Care Initiative

Quality Improvement Initiative

(Practice change framework)

Literature Review:

7 Standards of evidence based nursing care

Highlight

Promote

Affirm

Engrain

Culture

Nurse influenced patient care in Wellington ICU: 7 standards.

1.Enteral Nutrition All eligible patients have enteral nutrition started within 24 hours of admission to the ICU.

Antibiotics

Prescribed antibiotics are administered within half an hour of time to be given.

3. Sedation hold

All eligible patients have a daily sedation interruption (DSI) (min once daily).

4. Mobilisation All eligible patients are mobilised daily from bed to chair (min once daily).

Pressure ulcer prevention



Three hourly turns (min) (repositioning)



6.
Endotracheal
or
tracheostomy
tubes retaped/retied
& repositioned
minimum 12
hourly



7.
Nasogastric
tubes retaped/retied
& repositioned
minimum 12
hourly

Framework for practice change

Jarden R, & Sutton, L. (2014). A practice change initiative to improve the provision of enteral nutrition to intensive Care patients. *Nursing in Critical Care*; 20: 214-255.

Jarden, R & Quirk, S. (2010). Improving safety and documentation in intra-hospital transfer; development of an intra-hospital transport tool for critically ill patients. Intensive and critical care nursing; 26: 101-107.





Project Overview



Initiate

- 1. Gather team and identify stakeholders.
- 2. Literature review
- 3. Baseline data collection June Dec 2014.

ngage

Jan 2015; Standards Roll Out: Information dissemination & reporting of

Awareness & focus to staff.



Monthly and annual reporting of results through variety of different means.

Engage and focus staff



Dissemination of quarterly and annual results/reports to the whole unit (Dashboard, TV screen, monthly unit updates pdf).







- Review of 24 hour flow charts to reflect standards (visual reminders).
- Mobilising, nutrition and sedation holds addressed at every ward round with medical staff and nurses.
- Importance of the key standards iterated to new staff during their orientation.
- Education on relevant study days.



Most importantly



Results (mean percentage)



	2014	2015	2016
EN within 24 hours of admission.	89%	94%	93%
Antibiotics given within half an hour of time to be given.	79%	83%	90%
Daily sedation interruption (DSI) (min once daily).	76%	100%	92%
Daily Mobilisation (min once daily).	70%	83%	81%
Turning 3 hourly (min).	82%	83%	86%
ETT/TT tapes retied and tube repositioned 12 hourly.	80%	94%	82%
NGT tapes retied and tube repositioned 12 hourly.	80%	84%	74%



Importantly.....

• Collaboration with medical staff, senior nursing staff, health care assistants, dietitian, speech and language therapist and physiotherapy teams crucial.









Summary

- Using a framework for practice change continues to support locally developed quality improvement initiatives with good results.
- Positive feedback to staff on areas of success helps to bolster morale, improve culture of the unit and contributes to better nursing care and improved patient outcomes.
- Using a collaborative approach is key to achieving high quality care.

Finally.....

Sutton, L. & Jarden, R. (2016). Improving the quality of nurse influenced patient care in the intensive care unit. *Nursing in Critical Care*. doi:10.1111/nicc.12266

PRACTICE DEVELOPMENT

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Improving the quality of nurse-influenced patient care in the intensive care unit

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ARSTRACT

Background: Quality of care is a major focus in the intensive care unit OCU).

Aim: To describe a nurse-initiated quality improvement (Q0 project that improved the care of critically ill patients in a New Zealand tertiary ICU.

Design: A framework for QI was developed and implemented as part of a practice change initiative.

Methods: Audit data were collected, analysed and reported across seven nurse-influenced patient care standards. The seven standards were enteral nutrition delivered within 24 h of admission, timely administration of antibiotics, sedation holds for eligible patients, early mobilization and three pressure ulcer prevention strategies.

Results: Comparison of audit data collected in 2014 and 2015 demonstrated improvements in five of the seven standards. Those standards with the largest practice improvements were related to the following standards: all eligible patients have enteral nutrition commenced within the first 24 h of ICU admission (3% increase); all eligible patients receive antibiotics within 30 min of prescription time (6% increase); all eligible patients have a daily sedation interruption (DS; 24% increase); and all eligible patients are mobilized daily in their ICU stay (11% increase in percentage of patients mobilized daily).

Conclusions: The rursing-initiated QI project demonstrated improved ICU patient care in relation to early enteral nutrition commencement, DSIs and early and daily mobilizing Relevance to clinical practice: The use of a nursing QI framework incorporating audit and feedback is one method of evaluating and enhancing the quality of care and improving patient outcomes. This initiative demonstrated the improving batient outcomes. This initiative demonstrated the improving dealth of upsteens, particularly in relation to early entered interior commencement, timely antibiotics, DSIs and daily mobilizing. It is thus highly relevant to critical care nursing teams, particularly those working to create a culture where change is safe, achievable and valued.

Key words: Audit . Nursing care . Practice change . Quality of care

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