Reduction of Catheter Associated Urinary Tract Infections (CAUTI) in a Critical Care Setting

Deborah Jackson  
*Maine Medical Center*

Lindsey Lucas  
*Maine Medical Center*

Shawn Taylor  
*Maine Medical Center*

Jonathan Archibald  
*Maine Medical Center*

Stephen Tyzik  
*Maine Medical Center*

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Authors
Deborah Jackson, Lindsey Lucas, Shawn Taylor, Jonathan Archibald, Stephen Tyzik, Intensive Care Clinical Teams, Patient Safety Team, Suneela Nayak, Ruth Hanselman, and Amy Sparks

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Problem/Impact Statement:

Urinary Tract Infections (UTIs) are the most common type of healthcare-associated infection reported to the National Healthcare Safety Network (NHSN). Among UTIs acquired in the hospital, approximately 75% are associated with an indwelling urinary catheter (IUC), which is a tube inserted into the bladder through the urethra to drain urine. Between 15-25% of hospitalized patients receive IUCs during their hospital stay. At Maine Medical Center, many of the patients who transfer in to our Specialty Care Units (SCU) do so with an IUC already inserted. This highlights the need for enhanced diligence in the daily review of necessity and maintenance, as a CAUTI comes with increased morbidity and mortality risk, increased LOS in ICU setting, increased antibiotic use and an increased cost of care to patients.

Scope:

In Scope: All patients in SCU 2, 3 and 4
Out of Scope: All other patients

Goal/Objective:

To reduce the number of CAUTI's in the Specialty Care Units

Baseline Metrics/Current State:

Outcomes

Action
Owner
Completion Date
Status
1) 100% of the time SCU managers do daily rounds to complete reviews
SCU Leadership
September 2018
Completed
2) 100% of caregivers receive CAUTI Education on current SCU performance
Alana Trottier and SCU Leadership
November 2018
Completed
3) Develop a Kaizen project to improve change management
SCU Leadership and Stephen Tyzik
December 2018
Completed
4) Example of interprofessional SCU Quality Team
SCU Leadership and Stephen Tyzik
January 2018
Completed
5) SCU Quality team performs mock RCA
SCU Quality Team and Stephen Tyzik January 16, 2018 Completed
6) SCU Quality team develops future state map for IUC indications (Retention, strict I&O and peri-wound)
SCU Quality Team and Stephen Tyzik February 11, 2018 Completed
7) Inter-professional review and completion of decision support tool which aims to help SCU managers and nurses to communicate with the entire care team
SCU Quality Team and Stephen Tyzik May 2018 Complete
8) KPI Implementation: 100% of caregivers are educated on the use of the decision support tool
SCU Quality Team and Stephen Tyzik TBD In Progress
9) Develop a process map for best practice IUC maintenance
SCU Quality Team and Stephen Tyzik TBD Not Started
10) KPI Implementation: 100% of caregivers are educated on process map for IUC maintenance
SCU Quality Team and Stephen Tyzik TBD Not Started
11) KPI Implementation: 100% of the time the proper IUC maintenance will be completed and documented for all patients with an IUC
SCU Quality Team and Stephen Tyzik TBD Not Started

Next Steps

• The next wave of improvement will focus on the development and implementation of best practice IUC maintenance.