

Decreasing Indwelling Urinary Catheter Use

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Introduction/Problem

Despite efforts to minimize CAUTI, BID-N ongoing Quality data monitoring demonstrated that the CAUTI rate was above our set goals. Despite our goal to see a <1 Standardized Infection Rate (SIR) of <1. As a small community hospital with relatively few numerical CAUTI, the overall low volume results in significant variation in trended rates, One of the quality goals was to reduce and maintain a CAUTI SIR of < 1. CAUTI SIR is one of the publically reported markers of patient safety and hospital acquired conditions.

As a result, we decided to not only focus on meticulous care of patients with indwelling urinary catheters, but also to reduce both the length of time a catheter remains in place and identify the alternatives to using indwelling catheters.

Evaluation of our Standardized Utilization Rate (SUR) for indwelling urinary catheters revealed that our SUR for the Medical Surgical units was consistently > 1. The ICU SUR was <1 monthly and quarterly. As part of our assessment, we identified that assessment of the need to continue an indwelling catheter is an element included in daily clinical rounding in the ICU. This undoubtedly results in optimizing use and duration of urinary catheters.

Aim/Goal

Goal statement: For FY 19, reduce the SUR for indwelling urinary catheters to ≤ 0.99

The Team

- Ghania El Akiki MD, Hospital Medicine Chief,
- Al Santos RN,MS, Nursing Director Inpatient Nursing,
- Natasha Glushko RN, Infection Preventionist,
- Gregory McSweeney MD, CMO,
- Amy Krushell RN,MS, Nursing Educator
- Kathy Davidson RN,MS,MBA, C

The Interventions

- Interventions included three main areas: Education, Implementing adapted HOUDINI protocol, and identifying external male and female product for alternative to indwelling urinary catheter
 - Education: 1) Nursing education to heighten awareness of decreasing use of urinary catheters, 2) using HOUDINI Protocol 3) Increase Nursing and Medicine collaboration regarding decreasing catheter use
 - Implementation of HOUDINI protocol with eventual inclusion in the EHR
 - Use of updated external catheters, including a new female external catheter

Results/Progress to Date

Indwelling Urinary Catheter SUR by Month FY 18 - 19
ICU and MS



Since implementation of this process improvement,

- SUR for MS units has decreased and is now below the 0.99 goal threshold
- SUR for ICU continues under 0.99 for ICU

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