Taking Every PreCAUTIon An Inter-professional Approach to Reducing CAUTI

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Introduction

- Catheter associated urinary tract infection (CAUTI) is a preventable healthcare associated infection
- Impacts patient outcome, length of stay and healthcare cost
- An estimated 17% to 96% of CAUTIs may be prevented with recommended infection control measures (CDC, 2009)
- In 2017 this organization did not meet target benchmarks in the intensive care units (ICU) and Non-ICU CAUTI standardized infection ratios (SIR) - defined as the total number of infections over the expected number of infections per the national health safety network (NHSN).

 ICU CAUTI SIR: 1.28 Non-ICU CAUTI SIR:

CAUTI Drill Down by Unit Reporting Timeframe 1/2017-12/2017



...We have a problem!

Purpose

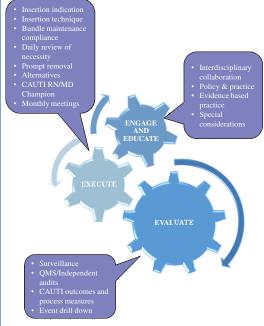
Implementation of evidence based practices (EBP) to reduce CAUTIs at a level one trauma center using an inter-professional approach

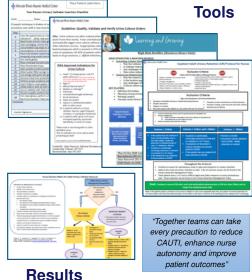


Methods

An inter-professional workgroup was developed to review data, perform a gap analysis and implement a corrective action, preventative action plan. The Center for Disease Control and Prevention (CDC) guidelines for prevention of CAUTI (2009) were used as the source for EBP and quality improvement.

- · Setting: Urban Level 1 Trauma Center
- Intervention: CDC guidelines focused on the life cycle of the indwelling urinary catheter
 - **Device insertion**
 - **Device maintenance**
 - Device removal
 - Special consideration
 - **Alternatives**
 - Appropriateness of cultures





- Completed 86 actions through a quality improvement led corrective action preventative action plan
- Actively engaged an inter-professional team to focus on EBP CAUTI reduction strategies
- In 2018 met target benchmark in ICU and Non-ICU

 ICU CAUTI SIR: 0.66 Non-ICU CAUTI SIR: 0.20

CAUTI Drill Down by Unit



...We met target!

Conclusions

- · An inter-professional approach to the implementation of EBP strategies to reduce CAUTI improved patient outcomes
- Nurse autonomy was fostered and supported throughout this initiative
- Critical to the breakthrough were the collaborative efforts by the inter-professional team



Implications for Practice

- Inter-professional collaboration is a key driver in the successful implementation of innovative solutions
- Nurse driven protocols: catheter removal, urinary retention management, empower real time decision making at the bedside
- The use of alternatives such as external devices for urine management can impact CAUTI
- Implementing urine culture guidelines facilitates collaborative decision making

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