CAUTI CNSs utilize a tiger team approach to decrease hospital-wide CAUTIS

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CAUTI CNSs Utilize a Tiger Team Approach to Decrease Hospital-wide CAUTIs
Significance of CAUTI

- Catheter associated urinary tract infections (CAUTIs) are the fifth most reported healthcare acquired infection (NHSN, 2022)
- Many are preventable with implementation of consistent evidence-based practices
- Increase morbidity and mortality
- Patient safety issue and a cause of discomfort for the patient
- Increase length of stay impacting the system financially
- A meta-analysis yielded additional cost of a CAUTI to be estimated at $13,793 (AHRQ 2017)
Problem

• On a journey to zero patient harm
• CAUTI is a high priority healthcare issue
• CAUTI rate of 2.89 was above the benchmark
• CAUTI SIR (standard infection ratio) was above targeted benchmark at 1.756
Method

- A Tiger Team was formed
  - Multidisciplinary team of experts
  - CNO
  - Quality Director
  - Directors of Nursing
  - Magnet Program Manager
  - Clinical Nurse Specialists
  - Infection Prevention Manager
  - 3-unit patient care managers
  - Clinical nurses/nursing assistant
  - Urology Nurse Practitioner
Baseline analysis

- Current processes analyzed for failure points
  - CAUTI data reviewed
  - SIR, SUR, bundle audit compliance
  - Findings from recent CAUTIs
  - Workflow for insertion of a foley
  - Outcome facilitation rounds and discussion of the urinary catheter
Brainstorming

- Use of a fishbone diagram
- Education
- Communication
- Equipment
- Culturing
- Other
- Resources
Strategies

- Led monthly CAUTI champion meetings
- Nursing maintenance care competencies
- Drill down evaluation and analysis for every CAUTI event
- Development of a Culture Worksheet in collaboration with Tiger team members
- Monthly CAUTI Prevention Safety Huddles
- QMS audit pilot site
Results

CAUTI SIR dropped by 80%

The CAUTI rate decreased by 78%
A cost avoidance of $358,618
The Tiger team quality improvement approach was successful in reducing CAUTIs.

Bundled interventions contributed to the improved outcomes.

A Tiger Team approach can be adopted by others for critical high priority healthcare initiatives to make improvements in patient outcomes.
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