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Background

- Hospital-acquired catheter-associated urinary tract infection (CAUTI) was estimated to cause 19,700 cases in 2020 across the United States per the Centers for Disease Control and Prevention (CDC).
- While this is a 25% decrease in reported incidence rates since 2015, ad-hoc changes in care practices and limitations of surveillance definitions brought on by the giant burden of COVID-19 on the healthcare system possibly resulted in underreporting of CAUTIs.
- CAUTIs incur substantial cost to health care system with an average \$750 associated increase in healthcare costs per hospitalization

Defining CAUTI

CDC surveillance **CAUTI** criteria:

• A UTI where an indwelling urinary catheter was in place for more than two consecutive days in an inpatient location on the date of event, with day of device placement being Day 1*, January 2022 Device-associated Module UTI 7 - 3

AND

• An indwelling urinary catheter was in place on the date of event or the day before. If an indwelling urinary catheter was in place for more than two consecutive days in an inpatient location and then removed, the date of event for the UTI must be the day of device discontinuation or the next day for the UTI to be catheter-associated.

Objective

To identify and address CAUTI-related care gaps at our local hospital using Plan-Do-Study-Act (PDSA) quality improvement model.

Study design: PDSA cycle model carried out by a multidisciplinary, resident-led team

Study population:

- study

Data source:

 Internal infection control database Electronic medical records (EMR)

- to 2021(16 CAUTIs).
- The intervention bundle included:
- flagged).

Reduction in Health Care Facility Onset Catheter-Associated Urinary Tract Infections: A Resident-Led Quality Improvement Initiative

- symptoms at time of admission

- pyelonephritis, abscess, etc.)



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