

# ECU College of Nursing and ECU Health Quality Collaboration: Foley



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## BACKGROUND

The purpose of this study was to introduce the Institute for Healthcare Improvement (IHI) bundles for Foley Catheters to ECU students in the third semester of the nursing program on a trauma step down unit, 4 North. Catheter associated urinary tract infections (CAUTI) account for more than 30% of hospital infections and are associated with approximately 13,000 deaths a year. In the U.S., over 340 million is spent related to a Catheter Associated Urinary Infections (CAUTI).

## PROJECT AIM

The aim of this project was to initiate an Academic Partnership with ECU Health and ECU College of Nursing (CON) by the end of the fall clinical rotation 12/01/2024 to complete a Quality Improvement Project.

## PROJECT DESIGN/STRATEGY

An interventional pilot study was conducted within the ECU Health Medical Center. Pre education was provided to nursing students by a Quality Nurse Specialist (QNS). The team reviewed observation and documentation piece of each QI bundle. Pictures were provided and the 4 North Leadership team was present during the educational session. Data collection involved reviewing documentation in the electronic medical record and compliance with the Foley Catheter QI bundle by the students. Data was shared with Nursing Leadership after each audit was completed.

## CHANGES MADE (PDSA CYCLES)

- PDSA Cycle 1:** Students attended a Quality Improvement Fair and simulated Prevention activities.
- PDSA Cycle 2:** QNS met with team to simulate audits and each student completed 1 audit..
- PDSA Cycle 3:** Students each completed 2-3 audits, group was debriefed to answer questions.
- PDSA Cycle 4:** Students completed 10 audits included validating and verifying the observation and documentation piece.
- PDSA Cycle 5:** QNS reviewed audits for accuracy, no discrepancy noted.



## RESULTS/OUTCOMES

- The students have currently completed 17 Foley audits.
- We had 100% participation of all students in all Foley education activities.
- The compliance was 82.3%.

## LESSONS LEARNED

- Nursing care of the client involves prevention of infection. The presentation of simple nursing interventions to prevent infections regarding foley catheters is a crucial step in teaching nursing students. The IHI evidence-based bundles give us the opportunity to validate and verify safe care is being provided through definitive measures.
- All nursing students should have education related to bundles on every unit.
- Quality Improvement should be part of the clinical experience allowing students to partner with a Quality Nurse Specialist.
- The importance of teamwork and including students in all aspects of care.

## NEXT STEPS

- Continue to collect data on 4 N Surgery to increase sample size.
- Expand the audit process to include central line infection and venous thrombosis Event prevention.
- Educate other clinical groups on the IHI Bundles.

## ACKNOWLEDGEMENTS

4 North Leadership  
ECU Health Office Of Quality

