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### Purpose

The purpose of this study was to compare the effectiveness of two methods of patient bathing and incontinence care on overall cost and patient outcomes for catheter-associated urinary tract infections (CAUTI) in critically ill patients.

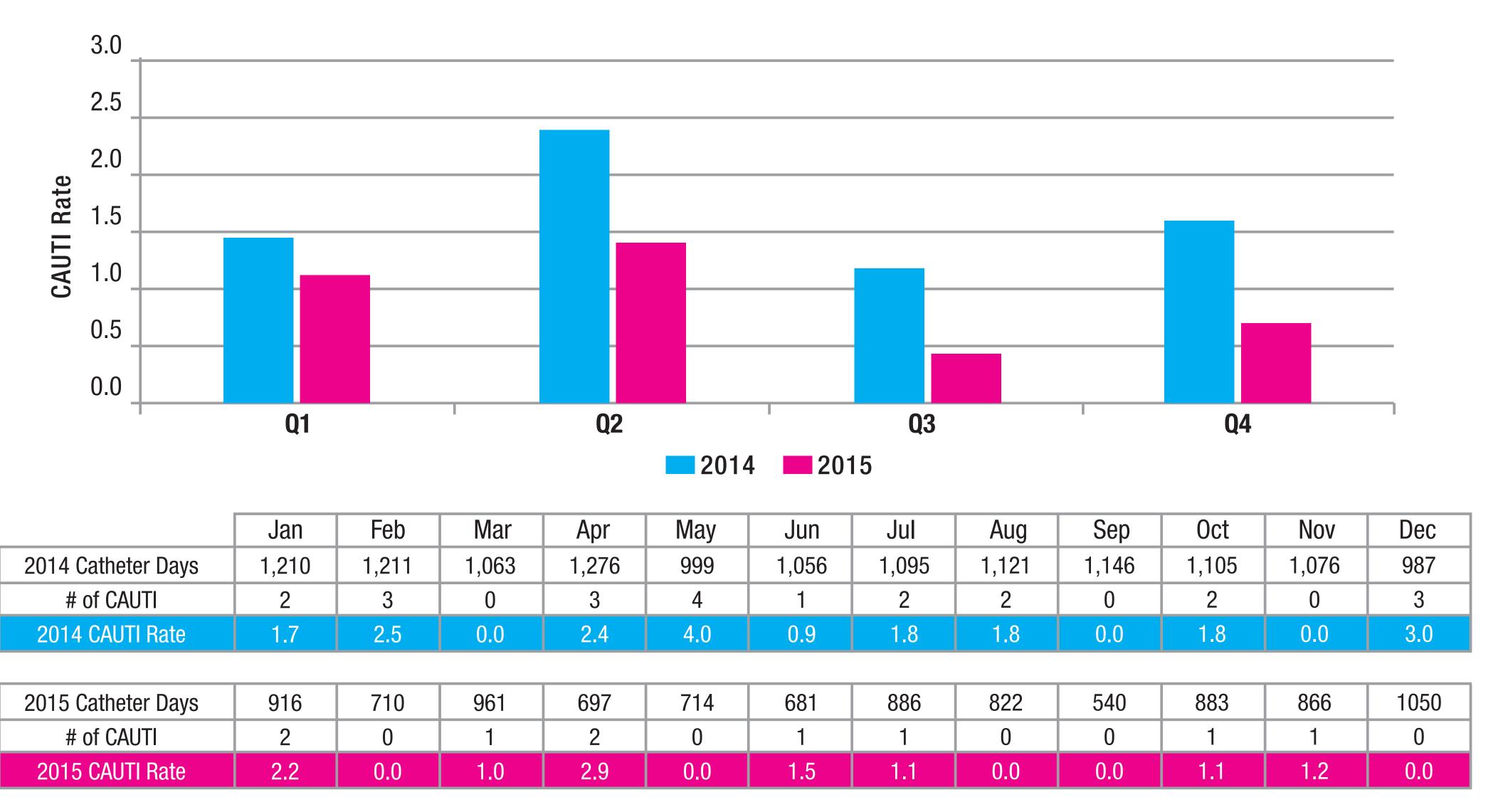
## Results

- There were 22 CAUTIs in the 2014 time period and 9 CAUTIs in the 2015.
- This represents a 59% reduction in CAUTI.
- Return-on-investment (ROI) was calculated by using the differences in supply costs associated with each bathing process as well as the cost avoidance attributed to CAUTI reduction.
- ROI for the 12-month intervention period was \$33,234.

# **Bath Basin Elimination:** Removing the bath basin to reduce catheter-associated urinary tract infection in critically ill patients

## Background

Healthcare-associated infections (HAI) are common, costly, and associated with signif morbidity and mortality. Prevention strateg are often underutilized, particularly for CAL CAUTI rates by hospital are now publically available and the Centers for Medicare and Medicaid Services (CMS) will no longer reimburse hospitals for the additional costs caring for patients who develop CAUTI. A gr body of evidence supports that the remova reusable bath basins can reduce CAUTI.



The removal of the basin has been shown to reduce risk factors for UTIs<sup>1</sup>.

1. Stone S, et al., Removal of bath basins to reduce catheter-associated urinary tract infections. Poster presented at APIC 2010, New Orleans, LA, July 2010. 2. Guide to the Elimination of Catheter-Associated Urinary Tract Infections (CAUTIs), APIC, 2008; 5, 40

	Met
)	<ul> <li>CAUTI rates were measured for</li> </ul>
ificant	hospital units (2014) to provid
gies	<ul> <li>The 2014 standard of care in t</li> </ul>
UTI.	once-daily bathing with soap,
/	bath basins; incontinence care
nd	the same supplies.
	<ul> <li>In January 2015 a new bathir</li> </ul>
ts of	was implemented where all ba
rowing	replaced by a one-time use pa
al of	<ul> <li>Product cost and CAUTI were r</li> </ul>
	(January –December, 2015).

The use of the new bathing and incontinence care protocol will continue throughout the hospital, with ongoing tracking of compliance, clinical outcomes and cost. These findings add to the emerging body of evidence supporting the benefit of basin elimination on HAI reduction and the associated economic benefits.

## hods

or a 12-month period on all le a baseline measure. the general care units was water, peri-spray and reusable e was performed as needed using

ng and incontinence care protocol asins were eliminated and ackaged bathing product. measured for a 12-month period

#### Conclusion