

CAUTI Reduction

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Euclid Hospital



Over 800 employees

Over 600 Licensed
Independent
Practitioners on Staff

Over 39,000
Emergency
Department Visits per
year

Euclid Hospital

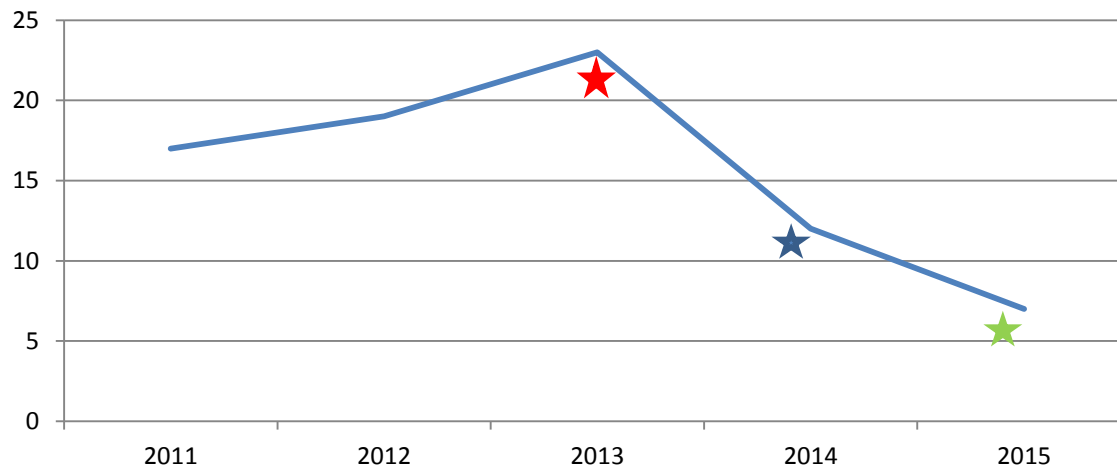
- Have on site post-acute units including Behavioral Medicine, Skilled Nursing and Acute Rehabilitation
- Average daily census is around 160

Background

- We noted that we had a higher number of CAUTI's compared to other enterprise hospitals
 - Began to monitor Foley catheter utilization ratios by unit.
 - Consistently above the national average based on the NHSN ratios published in the AJIC journal
 - Whole house reporting

- 2011- 17 CAUTI
- 2012- 19 CAUTI
- 2013- 23 CAUTI * First Theraworx trial
- 2014- 12 CAUTI * Second Theraworx trial
- 2015- 7 CAUTI * Theraworx consistant usage

CAUTI - Occurrences



Early 2013

- Noted that the CAUTI rate was going up despite interventions listed below:
 - Education
 - Poster presentations
 - Product In-services
 - Mandatory Foley insertion in-services
 - Change in policy for peri-care
 - Nurse driven Foley removal protocol July 2015

2013- First Trial

- Researched available products and best practices.
- Chose to begin using the Theraworx product with catheter insertion in the Emergency Dept.
- Theraworx foam was trialed for use twice daily for peri-care and post incontinence care in the ICU and in the Skilled Nursing Units.
- The other nursing units continued to use the Medline peri-wipes, but did increase peri-care to twice daily.

2013- First Trial

- After the 3 month trial, data showed that we did have a decrease in CAUTI but only in areas where Theraworx was used. No area reached zero.
- Problem identified: Because patient locations during care changes frequently (ED-ICU-RNF-SNF), no patient had continual care with the Theraworx product.
- Based on the reduction of CAUTI's that did occur, Nursing administration agreed to trial the Theraworx product a second time-this time including the whole hospital to ensure that all patients used Theraworx the length of stay.

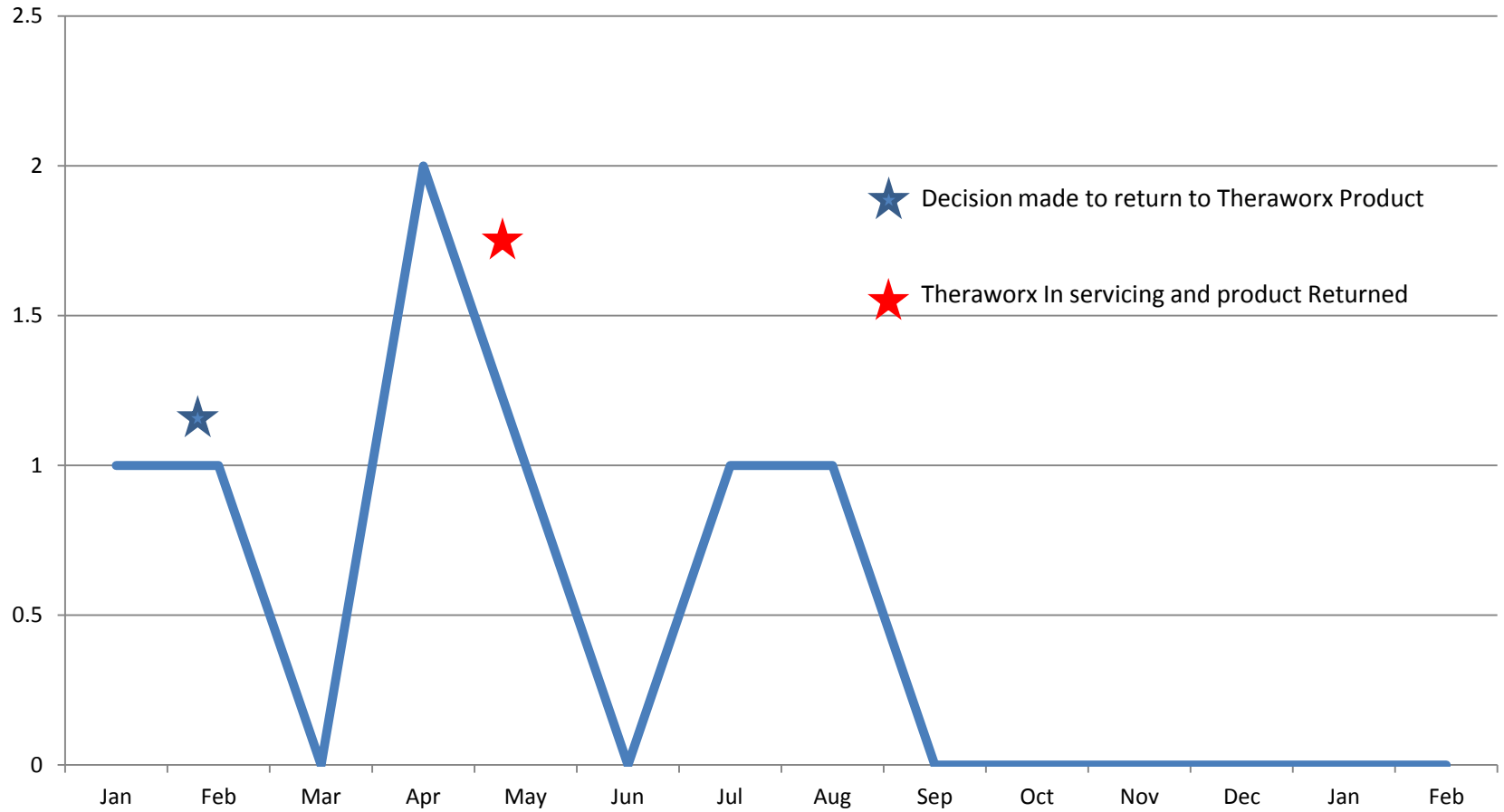
2014- Second Trial

- In-services provided by Theraworx representatives to staff in May 2014.
- The trial lasted for 3 months (June-August)
- We reached ZERO CAUTI in July, August, September and October.
- After the trial period, we returned to the Medline peri-wipe.
- The annualized cost of product was added to the 2015 budget (in planning)

2015

- CAUTI occurrences began to increase again after the trial ended: Nov-1; Dec-2; Jan-1; Feb-1.
- Administration and Infection Prevention initiated discussions about reinstating Theraworx in February
- The product was brought back into the hospital, again with in-servicing April/May 2015.
- Theraworx was rolled out house-wide at that time and is part of our standard of care.

Results-2015/2016



Discussion

- July and August CAUTI were reviewed. It was determined that patients had peri-care completed 100% of the time. Length of catheterization determined as possible cause.
- Since September of 2015- we are at 6 months with Zero CAUTI (and counting)
- Trials and utilization at other enterprise hospitals underway at this time

Cost savings

Annualization of Therworx Cost	# of Boxes	# of Product	Annualized Cost	
Wipes	8	800	\$8,318.40	
Foam	13	624	\$10,917.40	
Total			\$19,235.80	
Estimated Cost per CAUTI: \$3,664 to \$4,823				
	2011	2012	2013	2014
Critical Care	4	8	7	1
Med-Surg/Post Acute	13	11	16	8
Total	17	19	23	9
Estimated Cost per Year	\$61,948-\$81,991	\$69,236-\$91,637	\$83,812-\$110,929	\$32,796-\$43,407

This does not account for any penalty program benefits (VBP, HAC program)

Conclusions

- Have reached Zero CAUTI for 6 months running
- Nursing staff are engaged in using the product
- Added benefit: can continue to use product after Foley removed to continue to balance pH and heal any irritation or micro abrasions in peri-area
- Cost savings