

The Five Pillars Of Safety  
In Healthcare

**Appendix**

Triple S Healthcare Solutions™

## Appendix

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## Case Study: Perisept Use at Novant Health System reduces C. diff cases by 68% over 2 year span in North Carolina and Virginia.

“The key to Perisept is having it communicated properly to the hospital staff and patients. The transition at Novant was smooth and painless because we took the time to educate and train.” **(John Paul Laberge, System Director of EVS)**

**Scope:** In 2018, the Novant Health System implemented the use of Perisept as their system-wide disinfectant in an effort to lower HAI rates. Perisept was introduced across the 13 hospital system, representing a combined 2,200 beds throughout North Carolina and Virginia. Perisept is a sporicidal disinfectant and cleaner that prevents the spread of C. difficile, as well as MRSA and many other common pathogens in healthcare. Perisept has a 2-minute kill claim of C. diff with a 99.9999% efficacy. The product is currently being used in over 100 hospitals. The implementation of the disinfectant included training on how to properly dilute the product to its 1:32 ratio and how to safely and efficiently use the product as a cleaner and disinfectant.

**Results:** Along with other infection prevention measures and the introduction of Perisept, the new process provided a 68% decrease in C. diff outbreaks system wide. In 2017, there were 320 C. diff outbreaks across the 13 Novant locations. In 2019, there were 101 C. diff cases. This decrease from 320 cases to 101 cases represents a 68% decrease over the two year span. This decrease in C. diff cases helped reduce Novant’s expenses on HAI’s by almost \$2,300,000.

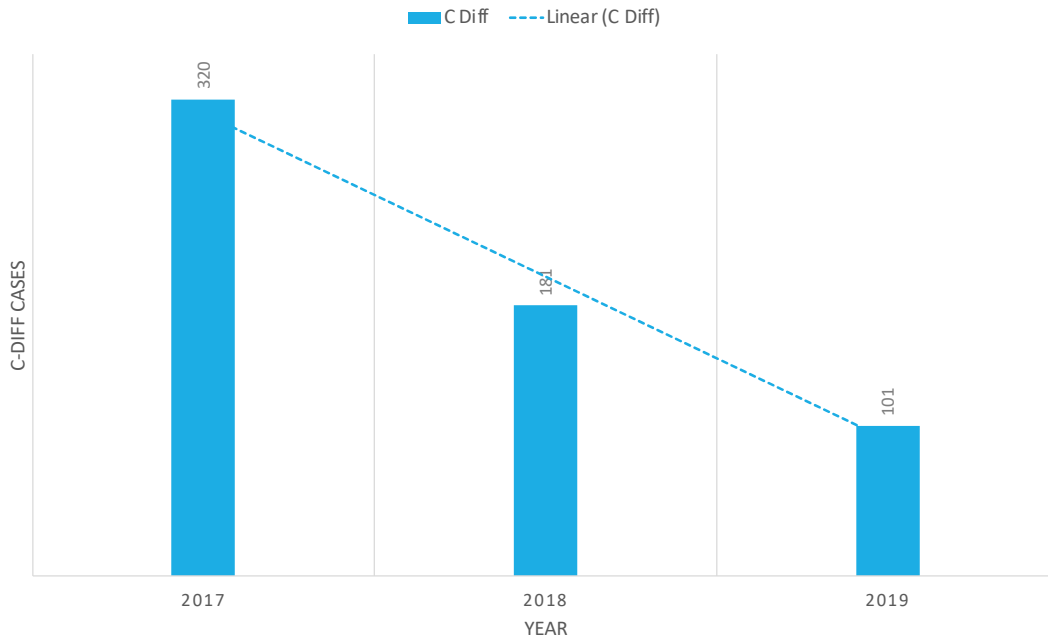
**Details:** Perisept was officially introduced system-wide in the middle of 2018. Since then, Novant Health has been using Perisept across 13 hospitals, house-wide. The disinfectant is being used in all areas of the hospitals, including all patient rooms, offices, OR’s, and ER’s. Perisept is used on all surfaces except for the floors. This includes restrooms, glass, stainless steel, monitors, mattresses, and all touch points.

The 320 C. diff cases in 2017 represents a baseline before Perisept was introduced. During the transition year of 2018, the hospital began to see results immediately with a decrease to 181 cases. In 2019, the number of cases dropped even further to 101. Along with the decrease in C. diff cases, came a drastic decrease in costs for Novant. In this study, the average cost of a C. diff case is \$10,500, therefore, by going from 320 to 101 C. diff cases, the system saved \$2,299,500.

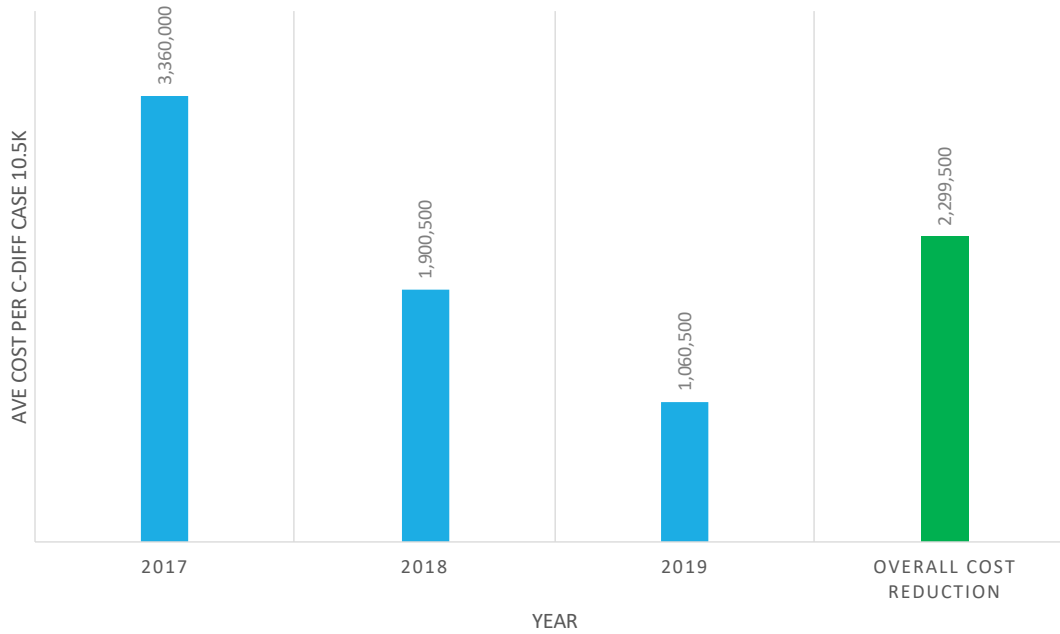


**15** Perisep Use at Novant Health System reduces C. diff cases by 68% over 2 year span in North Carolina and Virginia.

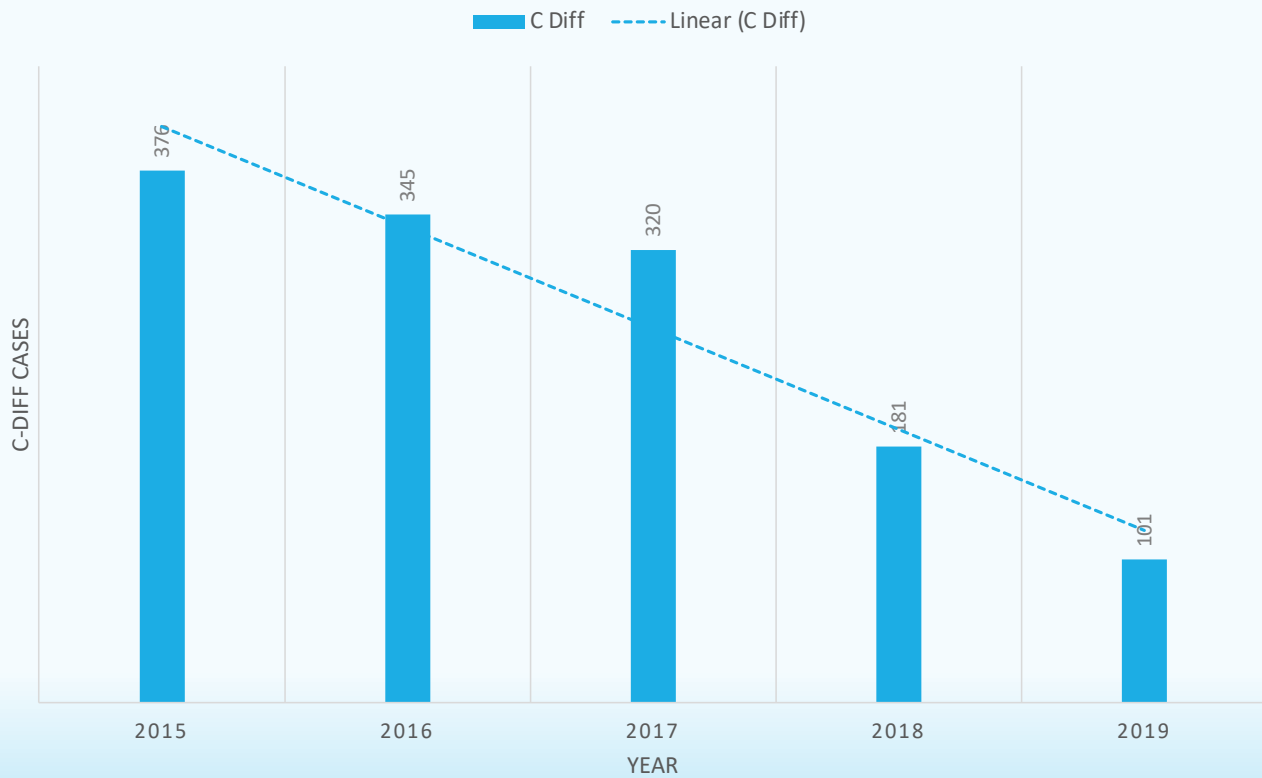
### NOVANT SYSTEM C-DIFF YOY REPORT



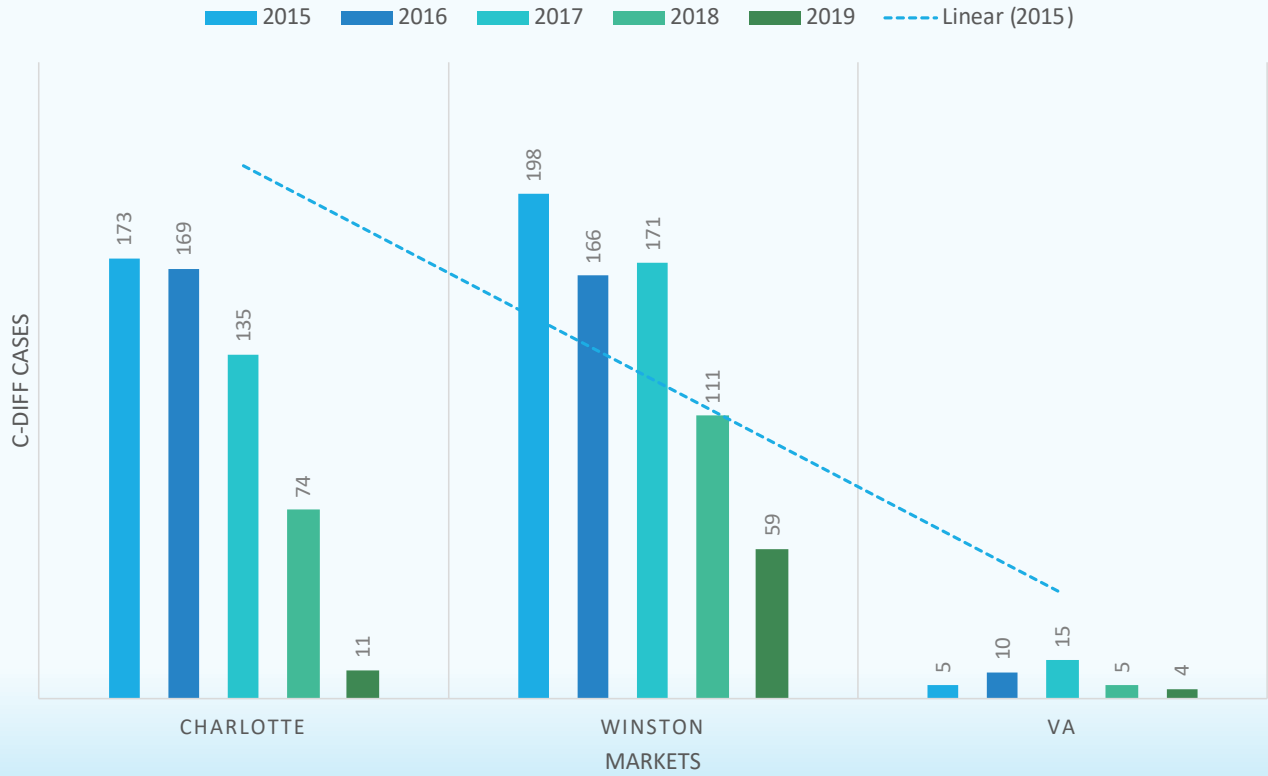
### NOVANT SYSTEM C-DIFF COST YOY



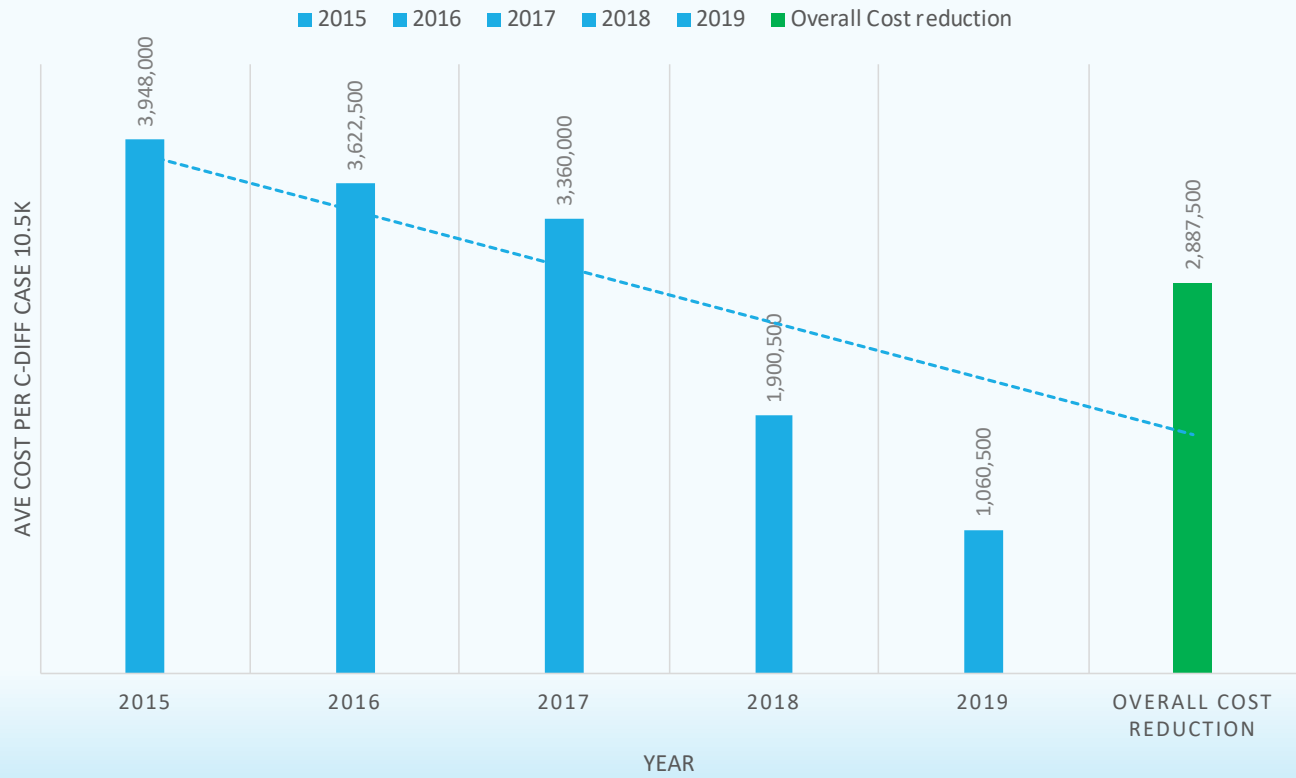
## NOVANT SYSTEM C-DIFF YOY REPORT



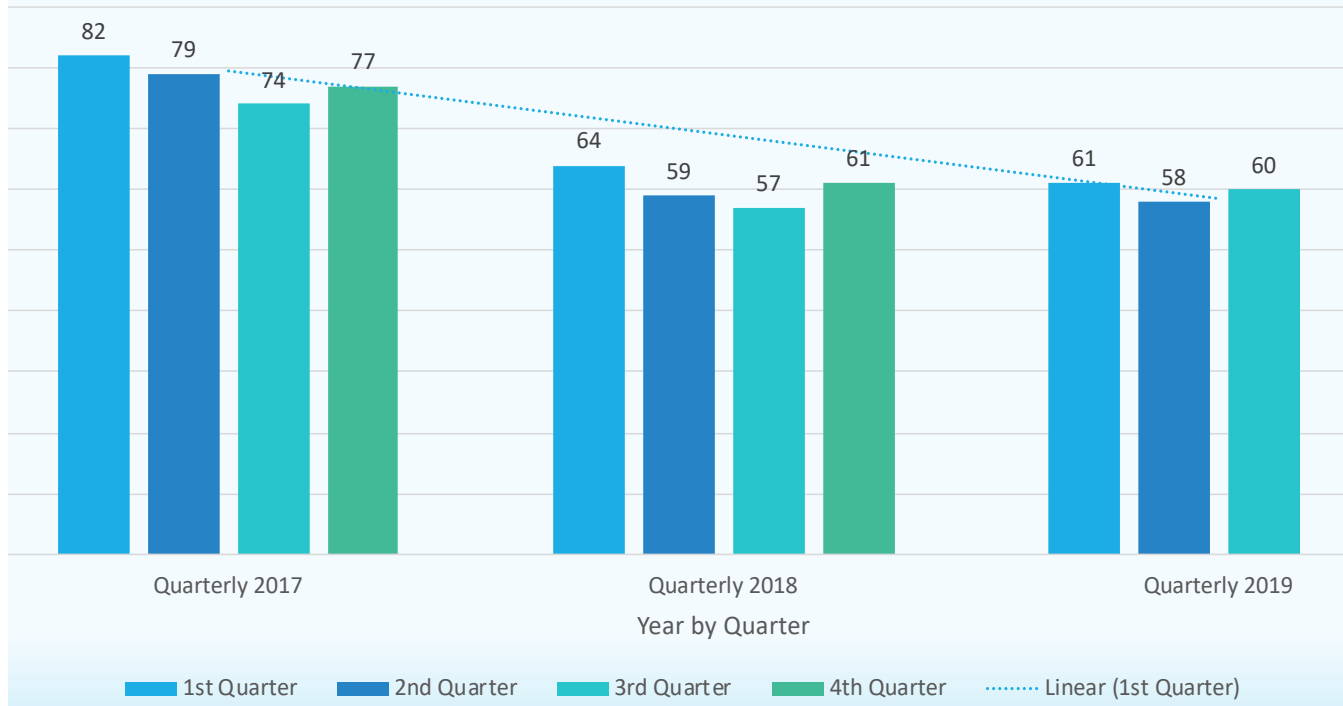
### NOVANT MARKETS YOY C DIFF REPORT



## NOVANT SYSTEM C-DIFF COST YOY



System Turn Time ave YoY





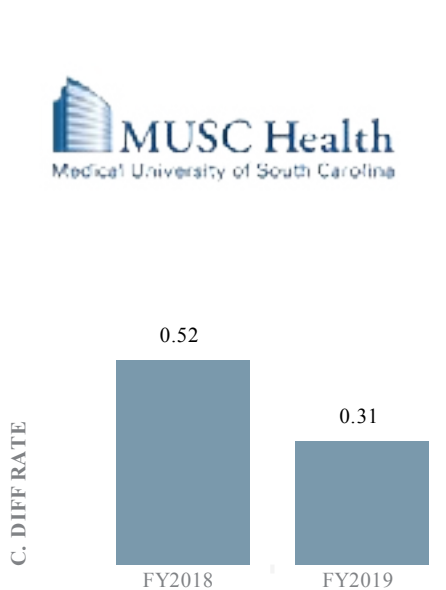


## Case Study: Perisept Use at Medical University of South Carolina reduces annual C. diff rate by 40% in 10 months of use.

**Scope:** In March 2019, the Medical University of South Carolina (MUSC) implemented the use of Perisept as their system-wide disinfectant in an effort to lower HAI rates. A training session of all managers and staff was conducted during a 2-day kickoff event. Perisept was introduced to multiple hospitals comprising of almost 900 beds in Charleston, South Carolina.

**Results:** Along with other infection prevention measures and the introduction of Perisept, the new process provided a 40% decrease in the C. diff rate for MUSC. In 2018, before they were using Perisept throughout the system, the C. diff rate was .52. In 2019, that rate decreased to .31. This decrease represents a 40% decrease year over year.

**Details:** Perisept was officially introduced across MUSC on March 1<sup>st</sup>, 2019. Since then, MUSC has been using the sporicidal disinfectant in all areas of the hospitals, including the patient rooms, offices, OR’s, and ER’s. Perisept is used on all surfaces except for the floors. This includes restrooms, glass, stainless steel, monitors, mattresses, and all touch points.



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