



INTEGRIS Southwest Medical Center Blood Culture Collection (BC) Performance Improvement Project

Goal

Decrease blood culture contamination rates to <2% and CLABSI to <4 hospital-wide, during CY2019.

Outcomes

Blood culture contamination rate has been reduced to below the national average of <2% and the goal has been sustained for 7 months.

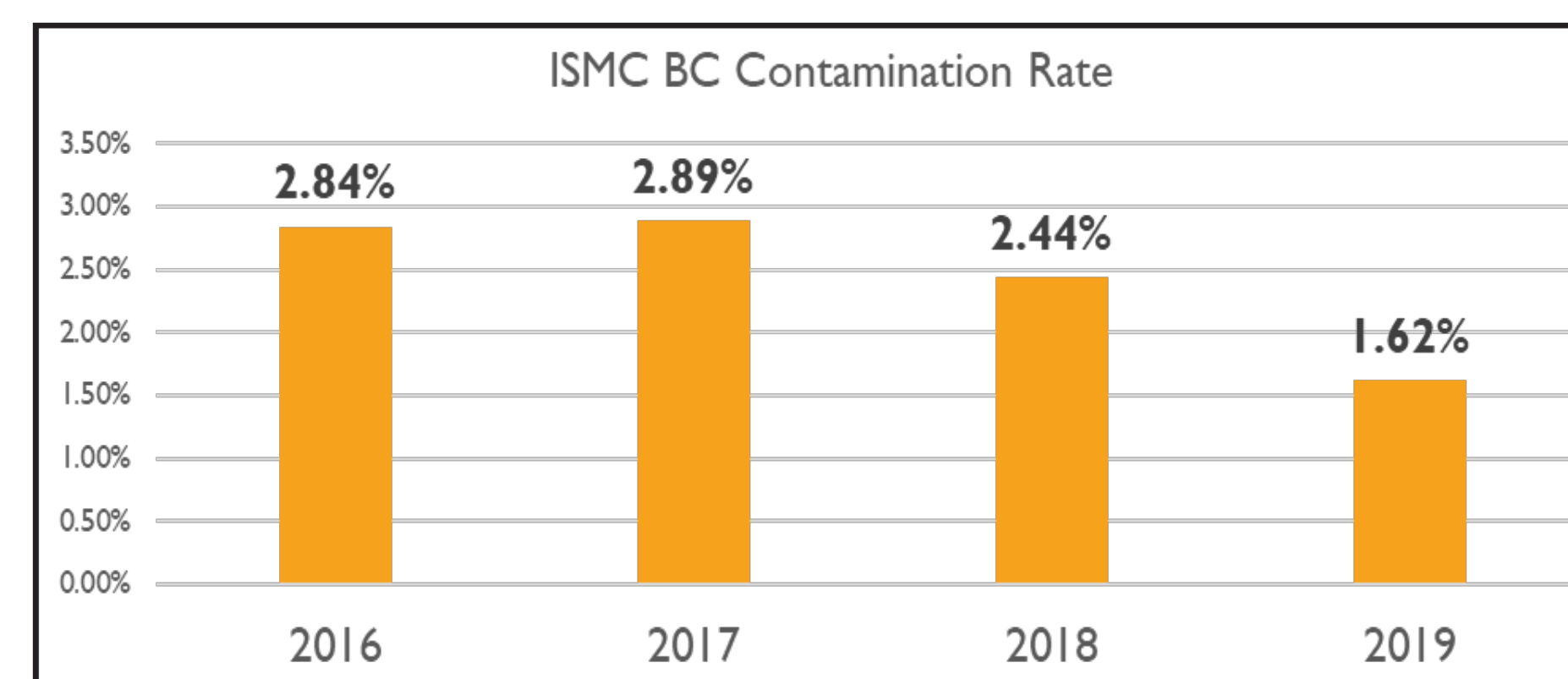
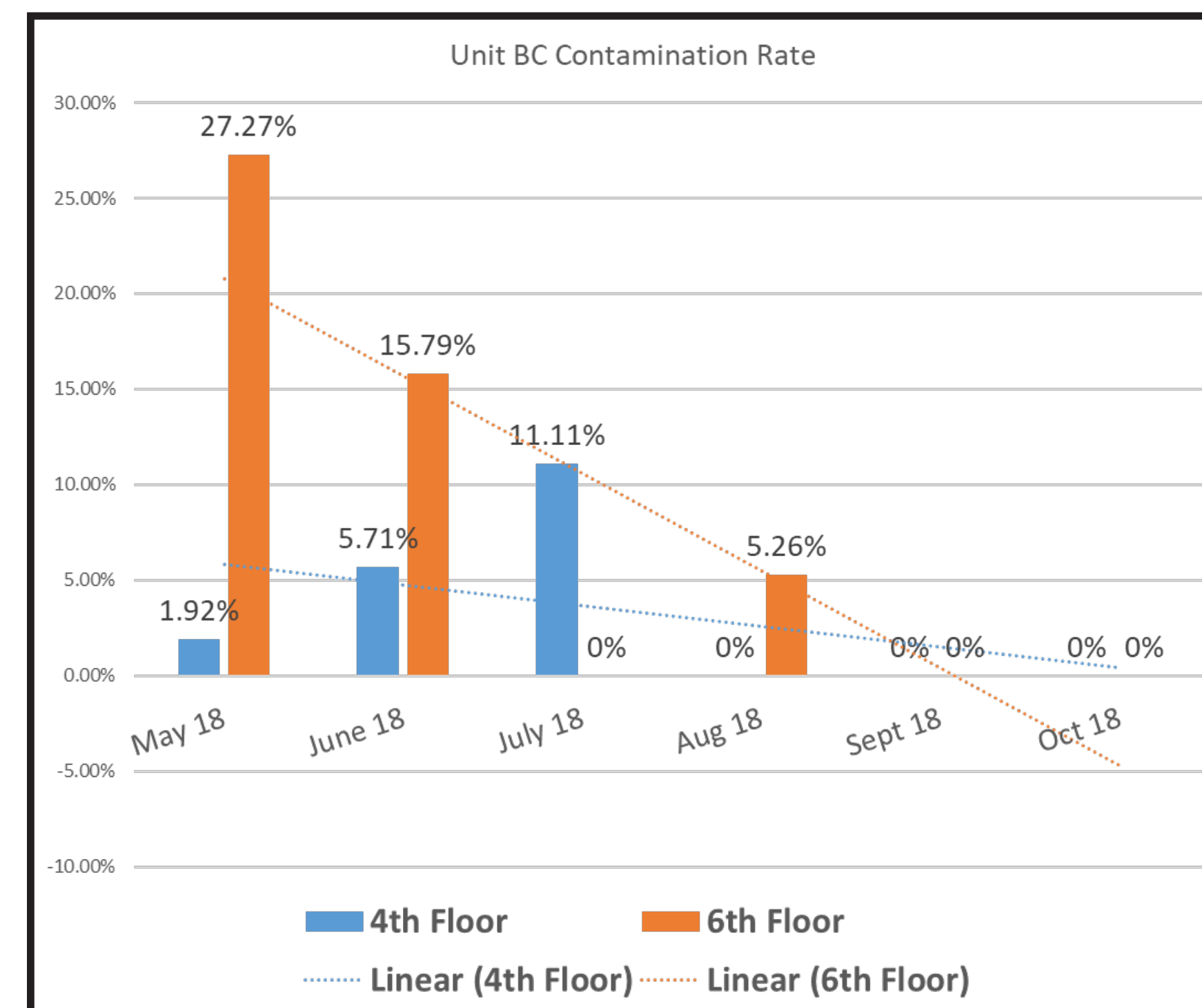
Interventions

1. Evidence-based review to identify interventions to reduce BC contamination.
2. Multidisciplinary team was created.
3. Specialized team of trained experts was created and trained in blood culture collection technique for each unit.
4. Team was educated on blood culture collection best practices.
5. Blood Culture Collection Kits were created for use by experts.
6. Blood culture contamination rates were monitored.

INTEGRIS Southwest Medical Center is a 334-bed, acute care hospital, located in Oklahoma City, Oklahoma.

Problem Statement

1. Collection practices due to contamination rates were consistently greater than the national average of <2%, and 68% of the CLABSIs that occurred in 2016 and 2017 were due to possible contaminants.
2. Infection Prevention identified 8 out of 13 CLABSI cases in 2017 and 5 out of 6 CLABSI cases in 2018, that were attributed to probable contaminants.
3. False positive blood cultures subject patients to unnecessary antibiotics, extend the length of hospital stay by up to 5 days, and increase lab costs and antibiotic charges.



Team Members



Blood Culture Collection Team
Team Captains & Infection Prevention Pictured
146 Total Members