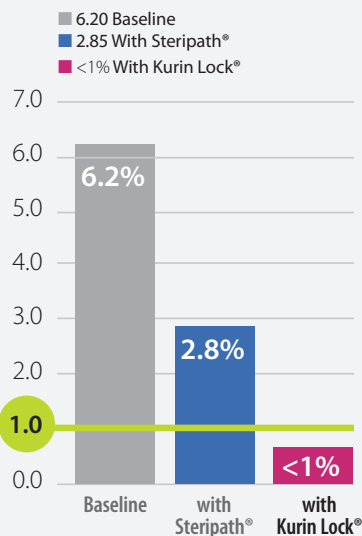


CASE STUDY

Kurin Helps Entire Health System Achieve 1%

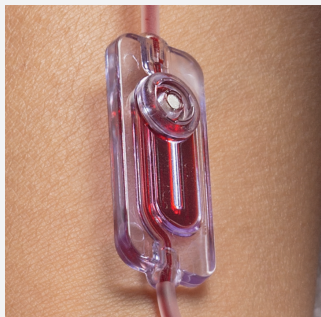
Four-Hospital Health System, Southern U.S.

System-wide BCC Rate



SITUATION

- Estimated \$13.5M lost annually
- Steripath ISDD reduced baseline 6.2% to 2.8%
- Could not meet 1% target with Steripath product line
- Introduced Kurin to increase compliance and system achieved 1% target



“For the first time ever, contamination rates are at 1% or less at each campus... Implementing Steripath helped us to reduce contamination rates within 3%... We still could not achieve our goal of 1%. With the Kurin device, we have reached our goal.”

Laboratory Operations Manager

KEY TAKEAWAYS

A four-hospital health system in the southern US experienced a system-wide blood culture contamination (BCC) rate above 6.0% despite multiple interventions.

- The implementation of Kurin ultimately resulted in system-wide savings greater than \$12 million with sustained results well below national standards.
- This case study highlights the steps this system took to finally achieve their goal of being below the 1% target.

BASELINE PERFORMANCE

The system had a mean BCC rate of 6.2% across all four hospitals.

Pre-diversion interventions:

- Education
- Developed CLABSI Nurse Quality Team
- Eliminated central line draws

The system implemented the Steripath® Initial Specimen Diversion Device (ISDD) trialing two products: Gen II and Micro.

- Over 12 months, the Steripath ISDD lowered the system-wide BCC to an average of 2.85%.
- The hospital attributed poor compliance to the device's difficulty of use, and they were unable to achieve the 1% target for BCC recommended by CLSI and CDC^{1,2}

To improve compliance and further reduce BCC, the system adopted Kurin passive technology as an alternative intervention.

KURIN IMPLEMENTATION AND PROCESS

The system's commitment to a process improvement framework laid the foundation for the successful implementation of the Kurin Lock®.

- In-person and online resources aided adoption
- Kurin Lock was integrated into standard kits and tracked compliance through EMR
- Kurin Lock seamlessly integrated into hospital procedures

The comprehensive, device driven, implementation led to an immediate reduction in BCC rates.

RESULTS

The adoption of Kurin led to a significant decrease in the system-wide contamination rate, declining to <1%.

- This reduction from baseline results represents an estimated annual savings of \$12.2M based on the average CDC cost of contamination¹.
- Switching from Steripath (2.85%) to Kurin (<1%) represents an additional estimated savings of \$4.9M annually for the system.

¹CDC. Blood Culture Contamination: An Overview for Infection Control and Antibiotic Stewardship Programs Working with the Clinical Laboratory. August 2022.

²CLSI. Principles and Procedures for Blood Cultures. 2nd ed. CLSI guideline M47. Clinical Laboratory Standards Institute; 2022.