

# Ecolab<sup>®</sup> Hand Hygiene Program

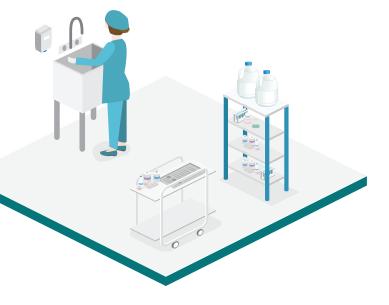


### **Ecolab® Hand Hygiene Program**

Leading health organizations have stated that hand hygiene is the most important measure to avoid transmission of harmful pathogens. It is also the simplest, most effective method for preventing healthcare-associated infections (HAIs). However, studies show that healthcare workers are compliant less than 40% of the time.<sup>1</sup>

The Ecolab® Hand Hygiene Program is a complete offering that helps you monitor and standardize processes to drive measurable improvements in clinical, operational and financial metrics.

This program's Compliance Monitoring System allows you to accurately record hand hygiene events by individual, holding each healthcare worker accountable for their compliance and providing actionable guidance for improvement. This helps you achieve and sustain results, deliver better patient outcomes, provide a safer working environment for staff and protect margins for your hospital. Since 2016, the Compliance Monitoring System has captured over **128 million hand hygiene product dispenses**, supplied badges to over **14,000 healthcare employees** and monitored over **11,000 hospital beds**.



### **Program Benefits**



Process Standardization & Consistency



Create a Safer Environment



Reduce Risk & Financial Impact of HAIs



Enhance Operational Efficiencies



Ensure Regulatory Compliance

### Foundational Program Components

#### **INNOVATIVE PRODUCTS**

## Advanced chemistry and technology to create cleaner and safer environments

- Bed kits create patient zones around beds to indicate if hand hygiene is performed before and after patient contact
- Proprietary badge technology to record every patient interaction and provide immediate feedback via visual and audio cues
- Nexa<sup>™</sup> touch-free or manual dispensers with beacons to track individual dispensing activity
- Proprietary hand soaps and sanitizers for a high standard of compliance and cleanliness

#### ANALYTICS & ACTIONABLE INSIGHTS

Digital dashboards gather millions of data points to drive standardization, measure compliance and pinpoint where corrective action is needed

- Customizable dashboards provide actionable insights at the system, hospital, unit, role or individual level
- Tracking of day and night shift hand hygiene trends over time for the entire hospital
- Compliance, equipment and infection reports, including Contact Investigator to identify staff exposure risk and Isolation Room designation to ensure hospital protocol is followed

**TRAINING & PROCESS SUPPORT** 

#### **CONSULTATION & SERVICE**

#### On-site Ecolab experts deploy solutions, monitor progress and analyze performance metrics

- An implementation project manager to assist with hospital installation and support
- A dedicated, local account executive for ongoing service and to help answer staff and manager questions
- Regular check-ins and coaching consultations to evaluate current practices and identify areas for improvement

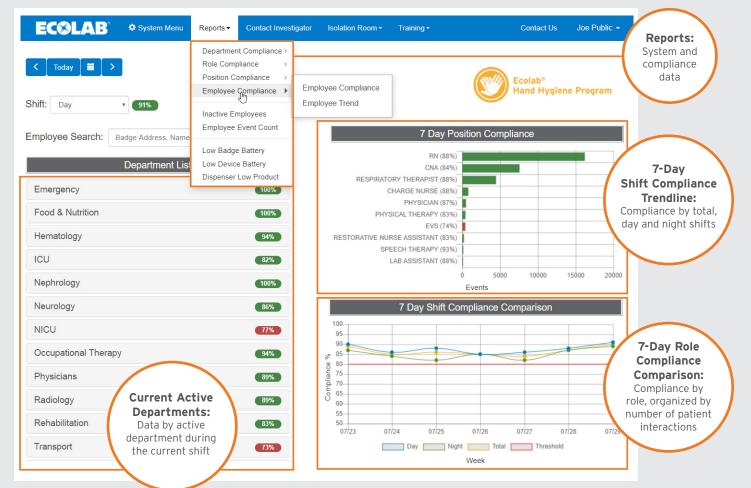
Professional training for your staff to drive standardization, manage corrective actions and assist with change management

- Ongoing, in-person and online CE training aligned to evidence-based practices ensures program success
- Administrator and manager level training for digital dashboard and data analytics reporting
- Printed training resources and facility signage to help drive staff education, adoption and compliance across your organization
- Environmental Services and Facilities training for equipment

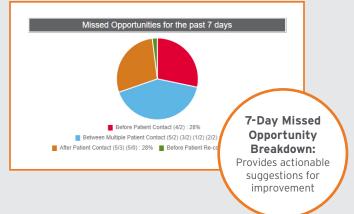
### Actionable Insights & Digital Dashboards

Customizable, clinician-friendly dashboards collect data on individual hand hygiene behaviors, measure compliance and pinpoint precisely where corrective action is needed, down to a department, team or individual level. These actionable insights allow department managers, clinicians and other authorized users to lead process improvements where they are needed most, standardize workflows and keep patients and staff safe.

### QUICK ACCESS DASHBOARD



### FACILITY-LEVEL TRENDS





#### **IN-DEPTH REPORTING**

Contact Investigator: (6), VCU Medical C toom: 1-052 ate range: 2019-06-24 to 2019-06-29	tact Investigator Isolation Room- Traini	ng≁ Con	tact Us John Slebert≁	Contact Investigat Visibility to e
Employee	Badge	Confidence	Events	badged employ
Roxie Haney	0A00A090	High	1	interacted with a
Melissa Pringle	0A009DFA	High	1	avoiding poten
Andrea Garrett	0A009FB0	High	1	unknown spre
Mark Clark	0A00AB13	High	2	infection
Devin Faber	0A00A3C0	Medium	1	

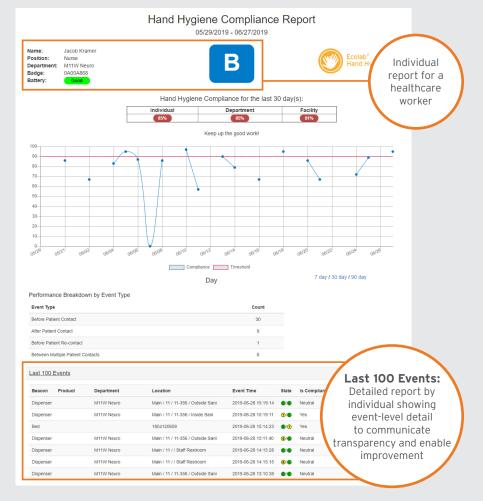




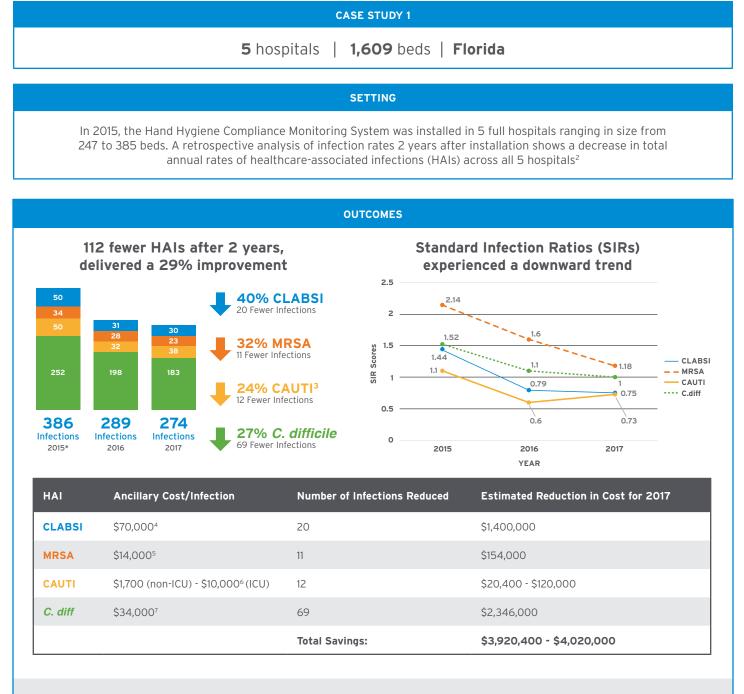


Name	Compliance	State
L Enedina Slezak	82%	Compliant @ 15:27
L Brandy Jordan	00%	Compliant @ 15:25
LElizabeth Hernandez	93%	Neutral @ 15:25
Beth Washington	00%	Compliant @ 15:27
L Kenneth Godby	67%	Neutral @ 15:24
Lydia Wright	95%	Neutral @ 15:15
Roxie Haney	97%	Neutral @ 15:18





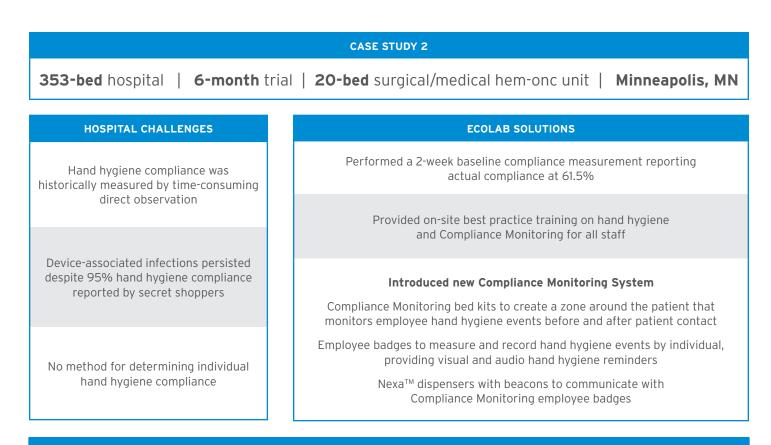
### **Case Studies**



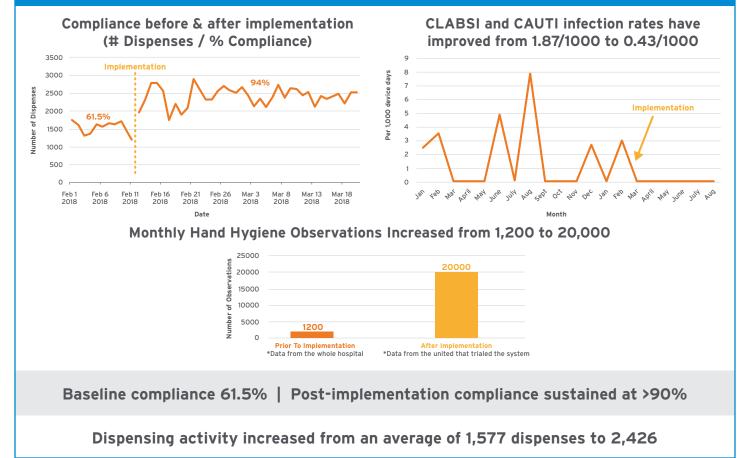
Compliance levels have risen to 86%-90% and have been sustained

Fewer HAIs delivered an estimated savings of between \$3.92 and \$4.02M across all 5 hospitals and roughly 1,200 patient days

- 2. Ecolab data on file
- 3. No data was available for CAUTI in 2015. CAUTI data included in 2015 was collected in 2014.
- 4. Al-Rawajfah OM1, Hewitt JB, Stetzer F, Cheema J. Length of stay and charges associated with health care-acquired bloodstream infections.
- Am J Infect Control. 2012;40(3):227-32. https://www.ahrq.gov/professionals/quality-patient-safety/cusp/clabsi-final-companion/clabsicomp4c.html 5. AHRQ: https://www.hcup-us.ahrq.gov/reports/statbriefs/sb212-MRSA-Hospital-Stays-California-2013.jsp
- 6. Hollenbeak CS and Schilling AL. The attributable costs of catheter-associated urinary tract infections in the United States: A systematic review. Am J Infect Control. 2018;46:751-7. https://www.ajicjournal.org/article/S0196-6553(18)30036-1/pdf
- 7. Zhang S, Palazuelos-Munoz S, Balsells EM, Nair H, Chit A, Kyaw MH. Cost of hospital management of Clostridium difficile infection in the United States: A meta-analysis and modelling study. BMC Infectious Diseases. 2016:16;447.



#### OUTCOMES



### **Program Outcomes Guaranteed**

Our programmatic approach optimizes workflows across multiple touchpoints within hospitals by backing up results and partnering to guarantee improved outcomes. Our commitment to measurable results allows us to ensure sustained savings and strong return on investment.



#### ABOUT ECOLAB HEALTHCARE

Ecolab Healthcare is driven to help health systems and hospitals realize clinical, operational and financial value through repeatable and measurable workflows. Our standardized processes and digital dashboards provide actionable insights and opportunities for corrective actions that help reduce the costs and inefficiencies of infections, while improving margins and keeping patients and staff safe.

To learn how our analytics-driven solutions and standardized processes can help your organization,

### visit www.ecolab.com/healthcare

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www.ecolab.com/healthcare

