

Using Technology to Improve Hand Hygiene Compliance and Patient Outcomes



GOJO SMARTLINK™
Hand Hygiene Solutions



Did You Know?

Healthcare-Associated Infections (HAIs) account for **1.7 million infections** annually¹

HAIs cause **99,000** deaths annually²

Hand hygiene is the **#1 way to prevent** the spread of infection³

problem

Hand Hygiene Compliance Rates Average Less Than 50% Nationally⁴

- Healthcare-Associated Infections (HAIs) are a threat to patient safety
- Annual costs of HAIs in U.S. inpatient hospital services range from \$36–\$45 billion⁵
- Federal and state regulations require HAI reporting
- HAIs impact reimbursement

The bottom line is that HAIs are a chronic and costly problem that requires quantitative data to demonstrate performance.

^{1,2}"HHS Efforts to Reduce HAIs," HICPAC, Parekh, November 2008

³According to the CDC. "Hand Hygiene Project: Best Practices for Hospitals..." Joint Commission, Nov. 2010

⁴Herbert C, Weber SG. Common approaches to the control of multidrug-resistant organisms other than methicillin-resistant *Staphylococcus aureus* (MRSA). *Infect Dis Clin North Am*. 2011 Mar;25(1):181-200. Epub 2010 Dec 17.

⁵"The Direct Medical Costs of Healthcare-Associated Infections in U.S. Hospitals and the Benefits of Prevention," CDC, R. Douglas Scott, March 2009

solution



GOJO SMARTLINK™ Hand Hygiene Solutions

For over 60 years, GOJO has been a leader in the areas of infection control and skin science. We invented PURELL® Instant Hand Sanitizer and advanced the science of hand hygiene. Now, we've developed GOJO SMARTLINK™ Hand Hygiene Solutions.

This comprehensive solution is built around four fundamental components that work together to help significantly improve and sustain your hand hygiene compliance rate.

INNOVATIVE MEASUREMENT TOOLS

A better way to manage and modify performance

EXPERT, CLINICIAN-BASED SUPPORT

Partner with you to implement industry best practices

ADVANCED DISPENSERS

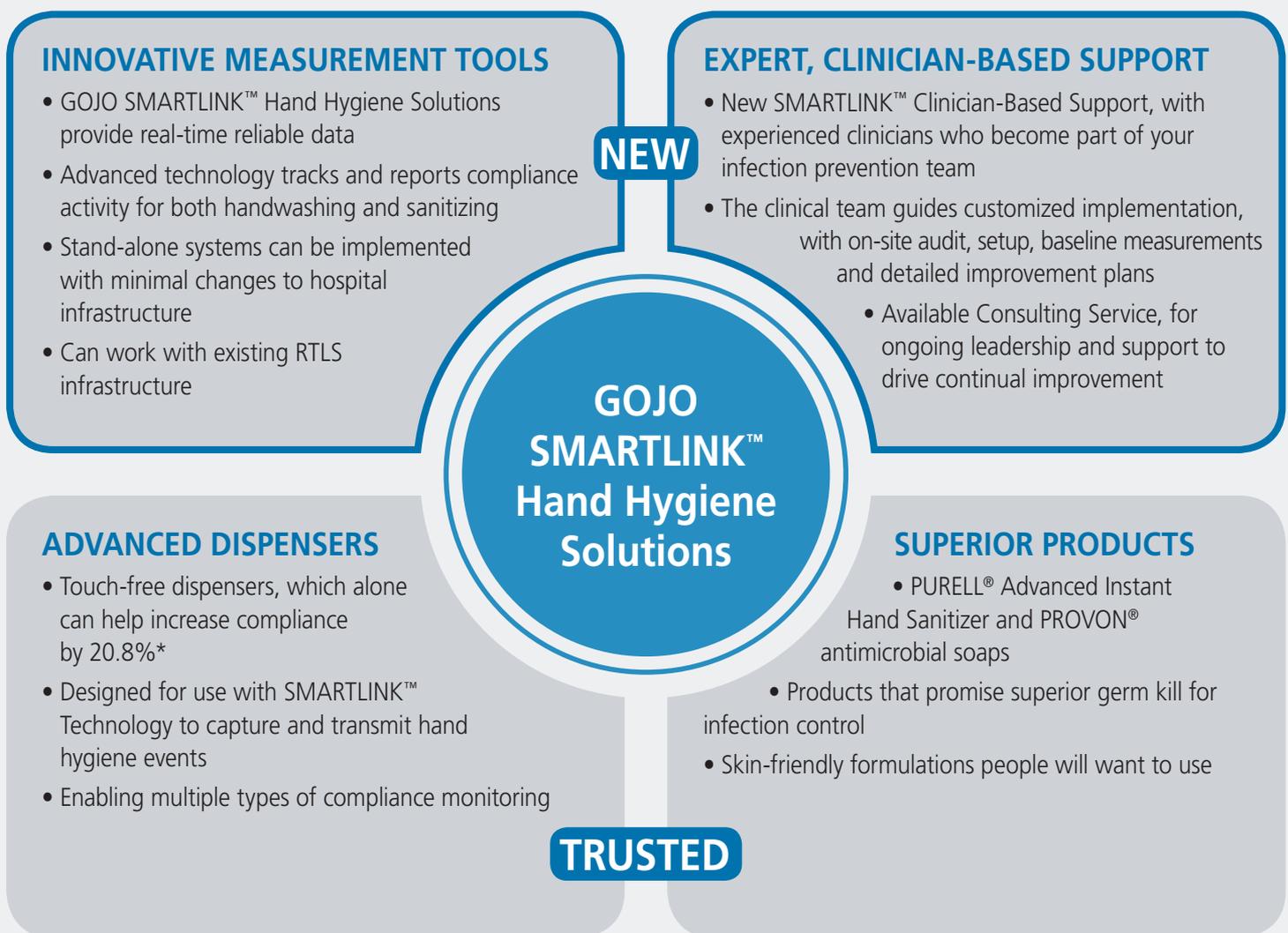
Optimally designed for compliance improvement

SUPERIOR PRODUCTS

Formulated for high-compliance environments

The Right Components to Build and Sustain Improvement

With the addition of our new electronic compliance monitoring solutions and Clinician-Based Support, we're able to offer everything you need to increase your facility's hand hygiene compliance rate.



*Larson EL, Albrecht S, O'Keefe M. hand hygiene behavior in a pediatric emergency department and a pediatric intensive care unit: comparison of use of 2 dispenser systems. *Am J Crit Care*. 2005 Jul; 14:304-11; quiz 312.

Electronic Compliance Monitoring from the Hand Hygiene Leader

Electronic compliance monitoring is revolutionizing the way hospitals measure hand hygiene compliance. It utilizes technology as the perfect complement to the audit and observation method. With the GOJO solutions, sensors are placed inside our product dispensers to provide discrete and accurate measurement of all hand hygiene opportunities against actual hand hygiene activities.

Benefits include:

- 24/7 monitoring
- Automated data collection
- Standardized measurement
- Reports by individual floor, unit or room
- 100% objective, unbiased data 100% of the time
- Accountability

Did You Know?

A 1.0% increase in hand hygiene compliance resulted in annual savings of **\$39,650⁶**



⁶To a 200-bed hospital. Cummings KL, Anderson DJ, Kaye KS. Hand hygiene noncompliance and the cost of hospital-acquired methicillin-resistant Staphylococcus aureus infection. *Infection Control and Hospital Epidemiology*, April 2010.

GOJO SMARTLINK™ Activity Monitoring System

how it wor

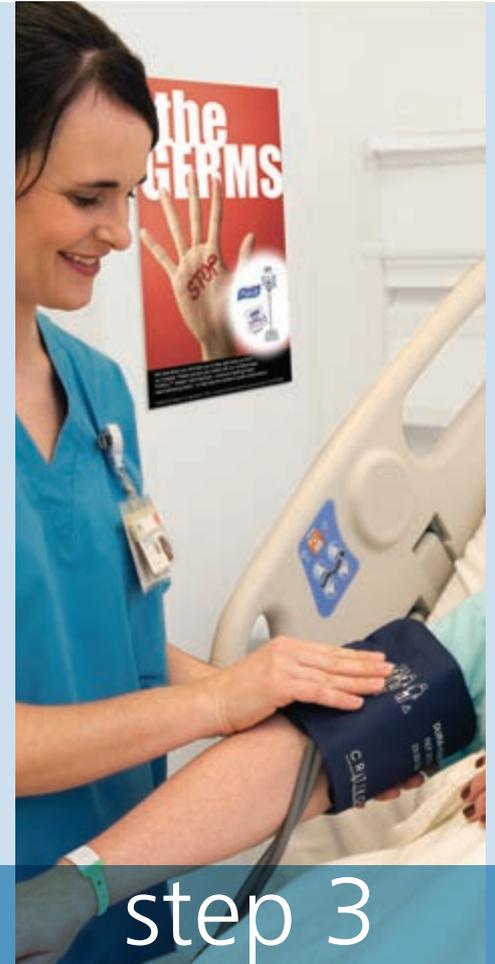
Able to measure compliance within a specified community, GOJO SMARTLINK™ Activity Monitoring System can be customized to report and calculate hand hygiene compliance rates by room, unit or floor.



"Cleaning in" before entering a patient room is recorded as a hand hygiene "activity" and transmitted.



Entry into the patient room is captured as a hand hygiene "opportunity" and transmitted.



Patient care is provided.

We also offer a system that works with your facility's badge-based RTLS (Real-Time Locating System) to help measure compliance on an individual level.

$$\frac{\text{ACTIVITIES}}{\text{OPPORTUNITIES}} = \text{COMPLIANCE RATE\%}$$



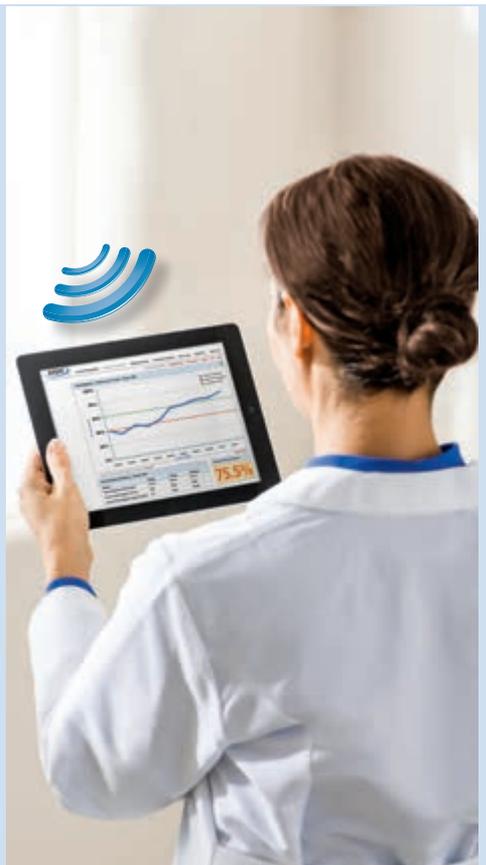
step 4

“Cleaning out” by sanitizing or handwashing is recorded as a hand hygiene “activity” and transmitted.



step 5

Exiting the patient room is captured as a hand hygiene “opportunity” and transmitted.



step 6

SMARTLINK™ software uses real-time “activity” and “opportunity” data to calculate estimated hand hygiene compliance rates and generate reports.



Powered by GOJO SMARTLINK™ Hand Hygiene Technology



The common technology foundation for all of our compliance monitoring solutions, GOJO SMARTLINK™ Hand Hygiene Technology works seamlessly with our industry-leading touch-free dispensers.

- Adaptable, flexible module inserts easily into dispenser
- Recognizes, tracks and transmits near real-time hand hygiene activity data
- No additional hardware required



Choose from Two Innovative Approaches

With GOJO SMARTLINK™ Hand Hygiene Solutions, you can choose from two options to ensure your program is a success. Each system is flexible, upgradable and can evolve easily to meet the needs of your facility.



Works with opportunity sensors installed above doors

GOJO SMARTLINK™ Activity Monitoring System

- Enables monitoring at the community level
- Seamlessly converts real-time hand hygiene opportunity and activity data into actionable, usable information
- Provides continuous feedback to the healthcare team
- Can be customized to monitor a specific floor, unit or room



Works with RTLS sensors and infrastructure (frequently RFID)

GOJO SMARTLINK™ and RTLS Technology

- Enables badge-based monitoring at the individual level
- Features GOJO SMARTLINK™ Hand Hygiene Technology
- Utilizes RTLS (Real-Time Locating System) technology provided by third-party partners to read employee badges
- GOJO provides PURELL® and PROVON® products, dispensers and education as part of this solution

technology

support

Choose Your Level of Support

GOJO SMARTLINK™ Clinician-Based Support

An important part of our solution is to make sure your infection prevention team has the tools and support it needs to build and sustain improvement. That's why we offer GOJO SMARTLINK™ Clinician-Based Support. Led by a nurse who works as an important part of your team, this essential complement to both approaches is based on the DMAIC improvement cycle (Define/Measure/Analyze/Improve/Control) that drives Six Sigma projects.



There are two levels of support to choose from:

Implementing Your Program

- Engage leadership and staff
- Help set policies, baselines and goals
- Identify strong role models within your organization
- Helps identify and correct to root cause of hand hygiene lapses

Optional Continuous Coaching

- Train your staff on how to use the data
- Work with you to find the best ways to change your organization's culture
- Identify strong role models within your organization for performance improvement
- Provide best practices and tools to help reinforce behavior
- Provide ongoing support and motivational ideas
- Make recommendations for ongoing improvement

Choose GOJO

At GOJO, we're ready to be your hand hygiene partner. We have the expertise, the experience, the products and the technology your facility needs to help build and sustain compliance improvement. Here's what makes GOJO SMARTLINK™ Hand Hygiene Solutions different:

Easy Setup

SMARTLINK™ Technology works within existing infrastructure and utilizes current wireless network

Reporting Options

Data can produce a range of standard or custom reports that can be used to make immediate adjustments

Seamless Integration

Proprietary wireless communication modules that work with either the zone-based or individually focused RTLS partner systems

Flexibility

SMARTLINK™ Technology supports multiple measurement platforms and allows for future upgrades, with very little clinical disruption, as the landscape and needs change

Targeted Interventions

Support that allows limited infection control resources to be focused on improving compliance in a specific area



advantages



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