



The hand hygiene problem

Hand hygiene as it is understood today requires three to 30 applications of hand rub per hour during patient care, which translates to one hand rub application up to every 2 minutes during intensive care activities.

The reality, however, is that unobserved healthcare workers perform very few hand hygiene actions during their work day. The magnitude of the task of fixing this substandard quality of care has challenged infection control professionals worldwide for many years.

How Sani-Track can help

The patented generic **Sani-Track** wall mount, accommodates all models of soap and sanitizer dispensers, with one of the lowest infrastructure/installation disruption room down time in the industry. **Sani-Track** can be easily implemented in any hospital, outpatient clinic, nursing home, dental office or other patient care environment.

Most hygiene verification products depend heavily on calling attention to noncompliance i.e. whether through blinking lights, beeps or vibrations. **Sani-Track** compels compliance through positive reinforcement, behavior modification, and creating healthcare worker efficiency. **Sani-Track** is designed to become a part of the daily activities of caregivers without causing a disruption in workflow or becoming a source of annoyance.



Sani-Track Benefits

- Uses existing hand hygiene stations and dispenser wall mounts with minimal infrastructure disruption
- Designed to adapt to all makes and models of dispenser units
- Room install time is 20-45 minutes installation per unit
- Wi-Fi and web based for access over existing wireless network
- Internet assessable for service and support room by room if necessary
- Benign impact on daily operations
- Allows Infection Control Department to deal with non-compliance in a private and professional manner, without any in-room disturbances involving the employee and/or patient
- The system is scalable into full employee/visitor access control security within hospitals

Made from ANTI-MICROBIAL Plastics



How the Sani-Track system works

The Sani-Track generic wall mount system utilizes existing Hospital ID badges or badges that we can supply to monitor hygiene compliance by employee ID.

Technologies Solutions Group has developed a generic wall mount which can accommodate most of the existing wall mounted sanitizer/soap dispensers currently in use in the healthcare industry. The mounting plate houses RFID signal technology, and Infra-red proximity sensors to monitor hygiene compliance at the source.

When hospital employee and/or visitor enters the room, a door sensor trips a signal to our wall plate and times out a predefined count-down for the employee/visitor to use the sanitizer dispenser. The entry time is stamped and matched with the employees badge number. The compliance event and/or violation event (failure to sanitize) is immediately sent to the Infection Control Office or a monitoring entity defined by the Client. A complete log is stored by shift for review and action by the appropriate internal entity(s).

The **Sani-Track** reporting structure logs the following information as well as incorporates open report architecture so the client may design their own reports around pending FDA and Medicaid/Medicare hygiene mandates.

Daily room time stamp reports

- Time in
- Employee number
- Visitor number and/or a non-read entry
- Sanitize-in event stamp
- Hard scrub event stamp
- Sanitize-out stamp
- Violation stamp

End of shift by employee, department, clinic & wing

- Violations highlighted in yellow
- Violations include unidentified room entries
- Summary report daily, weekly, monthly, quarterly, annual

Violation log report

- Employee number
- Visitor number and/or non-read entry
- Room number
- Time/date of event
- Department
- Clinic
- Wing
- Action taken
- Summary reports daily, weekly, monthly, quarterly, annual

Statistical analysis compliance/non-compliance

- Shifts
- Department
- Clinic
- Wing
- Summary report daily, weekly, monthly, quarterly, annual

