Hand Hygiene Compliance Monitoring Solution

Solution Highlights

- Individual, unit and enterprise wide compliance monitoring
- Scheduled compliance reporting
- Line of Sight not required
- Dashboards, KPIs and drill-down capabilities
- Detailed historical data analysis
- Utilizes existing soap and alcohol dispensers
- Supports both manual and touch less dispensers
- Total wireless solution, no wiring required
- Customizable hand hygiene compliance workflow
- Optional integration with nurse call and staff scheduling systems

Overview

The practice of hand hygiene has long been recognized as the most significant way of preventing the spread of infections. As such, validating and measuring adherence to hand hygiene practice and protocol in healthcare settings is fundamental to hospitals' claimed quality of care, operational efficiencies and reported rate of regulatory compliance. Industry reports, published articles and recent studies conducted around hand hygiene non-compliance by healthcare workers have underlined the seriousness of this phenomenon. One such article points out that more than 98,000 annual deaths in the United States alone are due to hospital-acquired infections, it further attributes to more than 1.7 million dollars in infection-related expenses to non-compliance in a 200 bed hospital.

The Need

As reported and presented by the Joint Commission in collaboration with The Center for Disease Control and Prevention among others, measuring adherence to hand hygiene guidelines is not a simple task. The “gold standard”, direct observation and monitoring of healthcare personnel poses various challenges and is resource intensive. Hand hygiene non-compliance by healthcare workers account for a substantial number of hospital-acquired infections spread among patients resulting in significant cost to healthcare providers.

How the Solution Works

- Personnel wearing active WiFi RTLS and/or RFID badges are detected and identified upon entering patients' rooms and provided with the opportunity to comply with the institutions' hand hygiene protocol prior to visiting patients.
- Hand hygiene dispensers are equipped with AiRISTA's detection devices. These devices communicates with personnel badges/tags and positively identifies the personnel.
- Personnel's hand hygiene compliance or non-compliance is detected and each time-stamped event is captured/recorded permanently.
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Benefits

- Detects non-compliance in real time and alerts personnel of non-compliant status in advance of patient care delivery.

- Provides high levels of accuracy - 99.9% positive identification.

- Empowers the administration to monitor how well the hand hygiene protocol is followed by the staff around the clock.

- Displays locations, alerts and other pertinent data on floor maps in real-time and playback based on historically captured data by integrating with AiRISTA’s full RTLS solution.

- Offers flexibility to implement hand hygiene policies through the use of AiRISTA's advanced Electronic Compliance Certificate technology with certificate expiration parameters.

AiRISTA develops and delivers a wide range of turn-key solutions incorporating RFID, RTLS, GPS and related technologies that enable real-time management of mobile personnel, assets and resources to government and commercial clients. With our robust and comprehensive Track and Trace solutions, clients realize a reduction in resources, cost and errors while benefiting from increased efficiencies, productivity, safety and revenues.

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