

70% of all infections



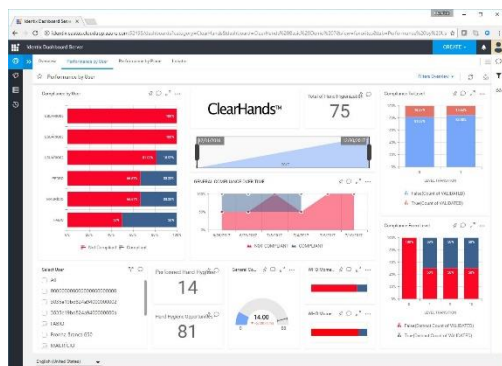
are transmitted by a touch

Healthcare-associated infections (HAIs) cost lives! They occur in 5% to 10% of all hospitalizations in the developed world¹, 25% to 33% of those cases in the Intensive Care Unit².

With the increase of multi antibiotic resistant organisms (MROs), additional actions targeting infectious events were adopted. The first was to reduce the access to latest generation antibiotics, to avoid the increase in development of MROs³. The second action supported by the World Health Organization (WHO), was to intensify hand hygiene using alcohol-based hand rub⁴, a well-known method to control the spread of MROs⁵.

Monitoring the compliance of hand hygiene is routinely made by a team of direct observers (DOs) that cannot be available 24 / 7. Away from the eyes of the DOs, the compliance of hand hygiene decreases leading to infection recurrence. So, the DO's actions are temporarily effective in reducing infections but are not efficient in sustaining the achieved results, leading to recurrent episodes. Literature shows a good correlation between trained DOs and hand hygiene compliance monitoring⁶.

Facing this high infectious emergency, Identthis developed the Clear Hands™ patented solution for continuous monitoring of hand hygiene compliance (HHC).



The solution delivers continuous monitoring of individual health workers circulating within the health facility and is based on interactive appliances with alcohol-based hand rub dispensers and low-cost RAIN RFID badges

ClearHands™ adopts elements of human cognitive behavior to turn Hand Hygiene into a healthy competition among users, turning its use, into an intuitive and pleasant experience. By reaching high levels of compliance, each user accumulates points. The winners, with higher compliance rates, are recognized as the leading examples to be followed by everyone.

ClearHands™

The ClearHands™ appliance is a versatile solution with additional uses including track and monitoring of assets.

The “SC” version, specifically designed for Surgical areas, tracks the time used in hand washing before surgeries, monitoring adequate hand hygiene in a critical area of the medical facility. All occurs automatically without disruption to the normal workflow. The system can also track infection vectors to educate and treat any medical condition favoring MRO dissemination.



ClearHands™, safe hands.



Patients with previous contact with identified vectors are included in an active monitoring program before the infectious event occurs.

ClearHands™ converts all the information regarding monitored items, events or persons, into actionable data for the healthcare facility, acting as

a key solution in the prevention of nosocomial infections and as the tool supporting healthcare e-management

The prevention of infections passes through the hands of everyone!



ClearHands™ SC
for Surgical Centers

¹ Data provided by the CDC

² PEDROSA, T.M.G., 1999; TRILLA, A., 1994

² Infect Control Hosp Epidemiol 2006; 27:1088-1095

⁴ <http://www.who.int/gpsc/5may/background/5moments/en/>

⁵ Pittet D, Hugonnet S, Harbarth S, Mourouga P, Sauvan V, Touveneau S, et al. Effectiveness of a hospital-wide programme to improve compliance with hand hygiene. Infection Control Programme. Lancet. 2000 Oct 14;356(9238):1307-12.

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⁶ Barbosa LR. Correlação entre métodos de mensuração de adesão à higienização das mãos em unidade de terapia neonatal. / Correlation between methods of measuring hand hygiene compliance in a neonate intensive care unit [thesis]. São Paulo (BR): Faculdade de Saúde Pública da Universidade de São Paulo; 2010.