

HAND HYGIENE COMPLIANCE MEASUREMENT SYSTEM



ECOLAB®
HAND HYGIENE
PROGRAM

PREMIUM

Leading health organisations have stated that hand hygiene is the most important measure to prevent spread of infection. It is also the simplest, most effective method for preventing healthcare-associated infections (HCAIs).

However, **studies show that healthcare workers are compliant less than 40% of the time.**¹

The Ecolab Premium Hand Hygiene Program can help your hospital achieve and sustain compliance to limit the spread of HCAIs by combining infection prevention consultancy with efficacious products, modern technology and data-driven insights.

Ecolab's Premium solution introduced electronic compliance measurement to give hospitals accurate data and visibility to reach and sustain improved compliance levels by:

- Creating a patient zone around the bed using a sensor to capture hand hygiene opportunities.
- Accurately collecting hand hygiene events through soap and alcohol dispensers.
- Gently nudging healthcare staff to perform hand hygiene.
- Providing actionable insights via an online portal, available 24/7.

PROGRAM BENEFITS



CREATE A CLEANER & SAFER ENVIRONMENT



INCREASE STAFF & PATIENT SATISFACTION



REDUCE RISK & FINANCIAL IMPACT OF HCAIs

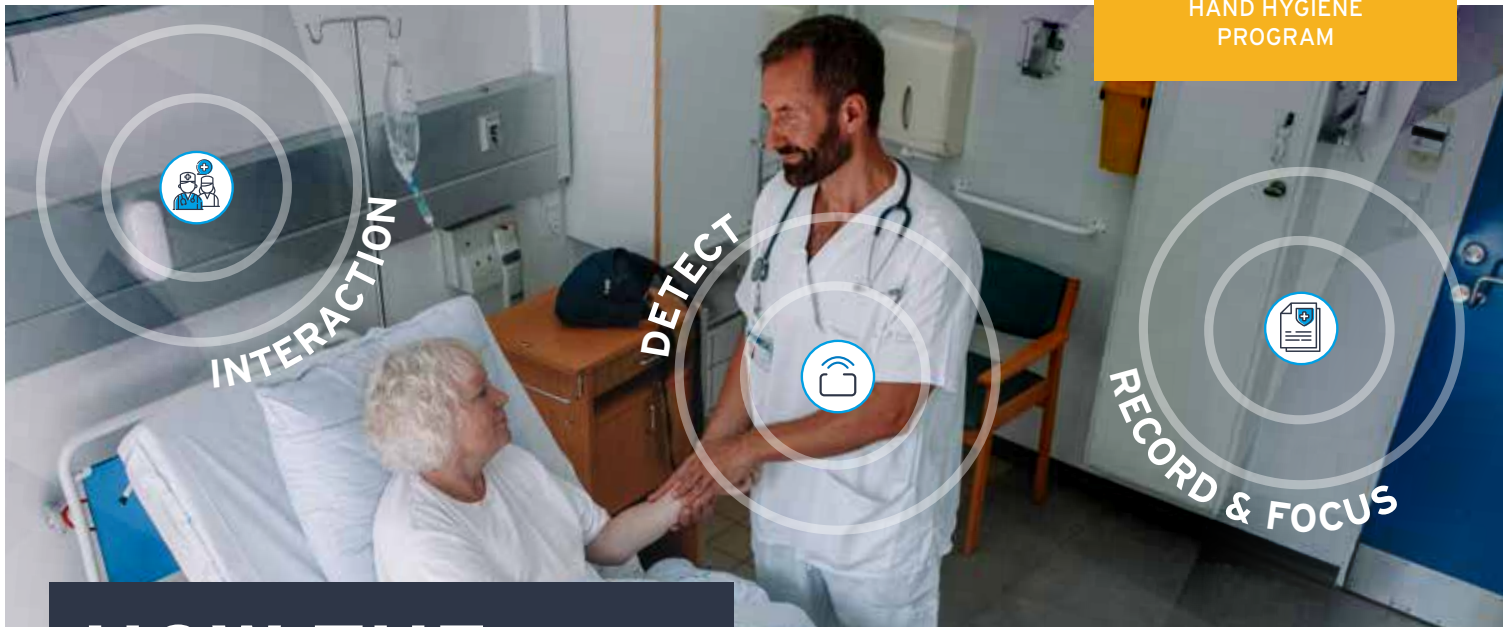


ENHANCE OPERATIONAL EFFICIENCIES

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1. Erasmus V, Daha TJ, Brug H, et al., Systematic review of studies on compliance with hand hygiene guidelines in hospital care. Infect Control Hosp Epidemiol 2010;31:283-294.



HOW THE SYSTEM WORKS.

The system discreetly tracks hand hygiene activities and opportunities without any changes to existing clinical workflow.

DETECT.

The ID Badge is easily attached to existing name tags, from where it collects and shares each hand hygiene opportunity anonymously.

INTERACTION.

The Patient Zone Sensor is placed above the patient beds and creates an invisible zone that identifies patient contact with 98% precision by measuring distance and time at patient bed.*

RECORD & FOCUS.

A sensor is easily installed on the existing dispenser solution from where it registers each hand hygiene and provide positive feedback when used.

ITS OWN NETWORK.

All data is continually sent to an analytics system by using our own wireless LoRa wireless network. A gateway is installed in each ward that gathers data from all sensors and shares it to the database by using the cellular network.



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Our programmatic approach optimises 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.

ECOLAB'S APPROACH AIMS TO...

IMPROVE HAND HYGIENE COMPLIANCE

REDUCE THE BURDEN OF HCAs

Ecolab have a team of clinically trained Implementation Specialists, who help evaluate current hand hygiene practices and identify areas for improvement, resulting in better patient outcomes and safer working environments. For further information on the Ecolab Premium Hand Hygiene Program, contact us on:

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* Marco Bo Hansen, Nina Wismath, Evelyn Fritz, Alexandra Heining, Assessing the clinical accuracy of a hand hygiene system: Learnings from a validation study, American Journal of Infection Control, 2021, <https://doi.org/10.1016/j.ajic.2021.01.006>.