



Hand·in·Scan

Hand Hygiene Matters



DID YOU KNOW?

- There is a 6.4% chance of contracting health-care associated infections even in high-class hospitals in the UK¹
- There are 152 acute specialist and non-specialist NHS trusts, 10 ambulance trusts and 853 for-profit and not-for-profit organisations providing care to NHS patients in the UK i.e. 1015 health-care organisations in total²
- **There are 3365 health-care associated infections per Trust/year** (estimated mean beds: 673³ x assumed health-care associated infections: 5/bed/year⁴)
- It is estimated that an average **health-care associated infection costs: £5300/patient⁵** (extra length of stay: 7 days)
- Health-care associated infections cost: **£18m/Trust/year**
- **50% of health-care associated infections could be avoided through proper hand hygiene⁶**
- A cost-saving of **£9m/Trust/year** could be achieved through proper hand hygiene



¹<https://webarchive.nationalarchives.gov.uk/20140714085429/http://www.hpa.org.uk/Publications/InfectiousDiseases/AntimicrobialAndHealthcareAssociatedInfections/1205HCAIEnglishPPSforhcaiandamu2011prelim/>

²<http://www.nhsconfed.org/resources/key-statistics-on-the-nhs>

³Ewbank, L., Thompson, J., McKenna, H., "NHS Hospital bed numbers: past, present, future" The King's Fund, 29/09/2017

⁴Based on NAO Report: Morse, A. "Reducing Healthcare Associated Infections in Hospitals in England" National Audit Office, June 2009 and European Prevalence Survey: Suetens, C. Et al, "Point prevalence survey of healthcare-associated infections and antimicrobial use in European acute care hospitals 2011-2012" European Centre for Disease Prevention and Control, July 2013

⁵Based on Alder Hey Calculations and NAO Report: Morse, A. "Reducing Healthcare Associated Infections in Hospitals in England" National Audit Office, June 2009

⁶https://www.youtube.com/watch?time_continue=317&v=5tgH0uTqqcE



THE SEMMELWEIS HAND HYGIENE SOLUTION

The Semmelweis Hand Hygiene Solution is a training and quality management tool developed to improve hand hygiene competence to prevent hospital-acquired infections and foster patient safety. It comprises the Semmelweis Scanner and an adjoining software.

THE SEMMELWEIS SOLUTION

- will help you achieve a 30% increase in hand hygiene quality across your organisation⁷
- will help you sustain and supersede hand hygiene quality over time
- will help raise awareness around the importance of hand hygiene
- will help you achieve higher compliance with the WHO 5 Moments
- will save you a lot of time and effort in inefficient trainings
- will be your non-human, intelligent associate at the department floor, a middle man between you and the healthcare workers to solve the issue of Hawthorne effect and solve the issue of participation (*"1 scan a day to keep the infections away"*)
- with some initial investment at introduction and deployment, it will simplify your work and allow you to streamline your activities better
- with all the data collected and now at your fingertips in the software you will be able to give more targeted, personalised training and be even better and more efficient at your job and easily showcase your efforts to management in a very informative and factual manner and as an added bonus have very concrete hand hygiene data on competence at the time of internal and external audits

HANDINSCAN ZRT

HandInScan Zrt is a Hungary-based health tech company focusing on the prevention of health-care associated infections and the control of outbreaks in healthcare. HandInScan developed the Semmelweis Hand Hygiene Solution that fosters technology induced behavioural change in hand hygiene. HandInScan is selling both direct and through distributors on a global scale. Clinical areas of vital importance include ICU, NICU, Oncology, Transplantation, Dialysis and Infection Control. The goal in each clinical area is to improve clinical outcomes and patient care by preventing health-care associated infections whilst saving health system resources.

⁷ A. Lehotsky, L. Szilagy, et al. "The quantitative impact of direct, personal feedback on hand hygiene technique," J. of Hospital Infection (IF: 2.78) vol. 91, issue 1, pp. 81–84, 2015.



REFERENCES



"The Semmelweis Hand Hygiene Solution is the first system that evaluates correct hand hygiene technique, the driving force in reducing HAIs."

"The Semmelweis Scanner creates more awareness around the proper techniques for hand disinfection and provides a tool to optimize these."



"After a few months, almost 70% of our students have correct hand hygiene technique."

"Our Infection Control staff can access massive data through an easily readable graphical user interface in the Semmelweis Reporting System which also allows for further data processing to improve quality measures."

