

THE SCIENCE OF HAND HYGIENE

SureWash is clinically proven to reduce the human & financial cost of hospital acquired infections by up to 50%



 **surewash** **ELITE**
Part of **ARAtch** Global

Product information and specifications

A compact, turnkey system that can be easily transferred from ward to ward to offer training and follow-up for all health care staff.

SureWash ELITE is an advanced training kiosk that uses augmented reality to deliver competence based training in hand hygiene and infection control. It's a proven way to reduce the human and financial cost of HIAs by up to 50%.

Numerous clinical studies that have taken place worldwide emphatically underline the key role hand hygiene plays in infection control and its financial impact on Hospitals. Research indicates that up to 50% of HIA's are caused by poor hand hygiene.

By gamifying the learning technique, SureWash develops psychomotor skills and have delivered **increases in hand hygiene compliance rates by as much as 50%** when incorporated into a multimodal approach.

Ultimately this not only saves organisations time, money and productivity but has a very real impact in improving patient outcomes.



A typical 250 bed hospital can expect to have between 1,050 and 2,310 infections per year



Hospital infections (HIAs) result in a staggering 100,000 deaths each year in the USA alone, and cost \$45 billion to treat.



The WHO estimate that 50% of infections could be prevented with better hand-hygiene using a system like Surewash.

How effective is SureWash ELITE?

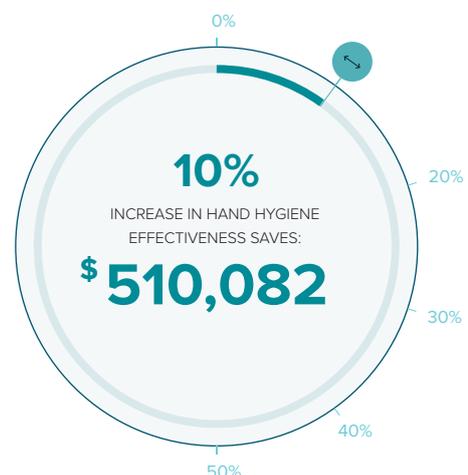
Percentage compliance with **WHO '5 moments'**



Percentage staff with **ATP scores < 25** post hand washing



Visit www.surewash.com/calculator to estimate the cost of poor hand hygiene in your organisation, and see how SureWash can drive fundamental improvement.



*Example shown is based on a 200 bed hospital

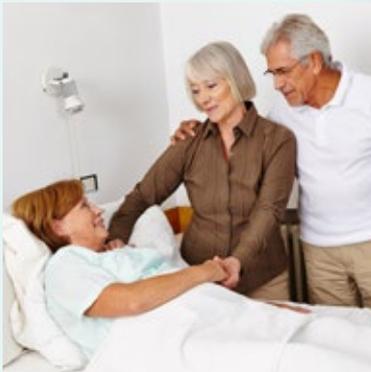
How SureWash ELITE works

The Surewash system is a combination of an e-learning system, gamification and patented gesture recognition technology that uses a live video camera to measure hand motions and provide real-time feedback to support the user in a “Deliberate Practice” learning framework.



Developing muscle memory for life

This approach helps users develop the embodied learning (muscle memory) of hand hygiene thereby improving both the compliance and effectiveness of hand hygiene.



Patients and Visitors

Infection control is a shared concern and SureWash ELITE can be used to engage patients and family members in a conversation about hand hygiene and infection control issues. Patients find the training and engagement a positive experience. An associated range of signage can be used to engage users in independent learning kiosks.



World-leading gesture recognition technology

The live video image is shown to users on a large screen and the image overlaid with real time feedback on their progress (augmented reality). In addition to measuring the motions of the hands in accordance with the WHO protocol they can optionally measure the size of the hands and if staff are “bare to the elbow”.

Mobility for ease of access to training

The SureWash ELITE learning kiosk can be moved around the facility to provide self-directed training in the workplace around the clock.



Customisation and reporting with the surewash.net platform

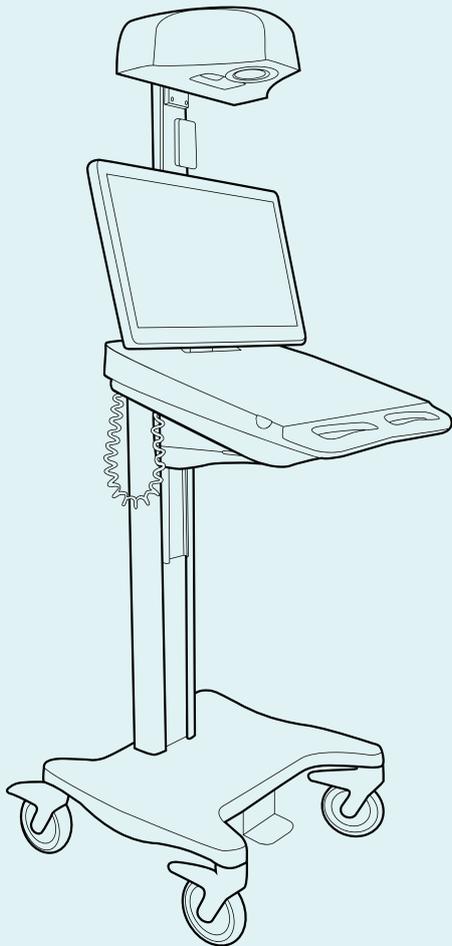
All SureWash systems also connect to the SureWash.net platform. Here users can amalgamate records and reports across multiple machines, design and build their own multimedia content and questionnaires for deployment, generate schedules and program plans, access user guides and FAQ's, update their machines with the latest software and content modules, access marketing collateral and issue certification documents to encourage engagement with the target audience.

EXPERIENTIAL LEARNING THEORY

The learning system is organized in accordance with the experiential learning – “learn-by-doing” – methodology that fits with Lean / Six Sigma process improvement concepts. Learning is divided into multiple levels of increasing complexity (removal of prompts and increasing speed). The multiple levels promote the opportunity for multiple short learning sessions with feedback that leverages the latest finding in neuroscience on the learning of psychomotor skills.

COMPLIANCE & CERTIFICATION

SureWash ELITE incorporates an RFID badge reader and record management system so that a large institution can ensure that its entire staff has undertaken training. An “exception report” can be used to identify staff that have yet to undertake training. Usage data can also be used in an Action Research or community of practice improvement methodology to have groups of staff set and attain improvement goals. Goals and an associated leaderboard can be used to drive local contest and challenges which motivate engagement with training.



Specifications

Height: From 40 inches / 101.6 cm to 64.5 inches / 163.8 cm, height adjustment by means of a foot pedal with gas spring assisted control

Base Dimensions: 20.2 x 20.2 inches / 51.3 x 51.3 cm

Wheel dimensions: 5 inches / 12.7 cm diameter casters (4 locking) for easy transition over uneven surfaces.

Weight: 57.3 Kg / 129 Lb

Components: Intel i5 NUC computer
Intel real sense 3D Camera
Iiyama 21 inch touchscreen Monitor
3G Modem
WiFi
External ports: VGA, 2xUSB, RJ45
Power 110 / 240 volt
RFID Card reader
(optional finger print scanner)

SureWash has given me the opportunity to assess and train staff, patients and visitors in correct hand hygiene technique... It's like having another member of the IPC team.

— **Senior Infection Control Nurse,**
The Christie NHS Foundation Trust, UK

In each of our main hospital sites, we rotate a SureWash machine through all wards and departments every month. The staff really enjoy interacting with the machine and competing to see who can get the highest score for hand hygiene technique.

— **HAI Patient Safety Coordinator,** NHS Lothian, UK

For more information contact us :