



surewash

Helping Hospitals Achieve the Leapfrog Group Hand Hygiene Standard



SureWash & the Leapfrog Group Hand Hygiene Standard



Many hospitals in the United States are seeking to achieve the Leapfrog Hand Hygiene Standard as a key strategic goal.

According to the Leapfrog Group, the Leapfrog hand hygiene standard focuses on adherence to “best practice” hand hygiene practices. The standard encourages facilities to adopt a multimodal approach to hand hygiene.

Hospitals are scored on their performance in five domains of hand hygiene:

- 1) **Monitoring:** questions #8-11
 - a. **Electronic:** questions #12-13
 - b. **Direct Observation:** questions #14-15
- 2) **Feedback:** questions #16-19
- 3) **Training and Education:** questions #1-3
- 4) **Infrastructure:** questions #4-7
- 5) **Culture:** questions #20-21

Hospitals have two options to achieve the standard:

Option 1:

Each hospital achieving the standard has met all elements for the Monitoring domain including collecting compliance data on at least 200 hand hygiene opportunities each month in each patient care unit. They must also have met all elements for the Feedback domain, as well as 2 of the 3 remaining domains for hand hygiene:

- **Training and Education Domain**
- **Infrastructure Domain**
- **Culture Domain**

Option 2:

Each hospital achieving the standard has met all elements for the Monitoring domain including collecting compliance data on at least 100 hand hygiene opportunities each month in each patient care unit, as well as all 4 remaining domains for hand hygiene:

- **Feedback Domain**
- **Training and Education Domain**
- **Infrastructure Domain**
- **Culture Domain**

In this option, hospitals **must** achieve the Training and Education Domain, questions #1-3.

Training and Education

There is now a significantly greater emphasis placed on the *Training and Education Domain* when achieving the Leapfrog Hand Hygiene Standard. Leapfrog have now **approved** that SureWash can be used by new starters for the initial physical demonstration of proper hand hygiene technique (view changes: [FAQ, Q.38, page 220](#)). Therefore, the SureWash training system now enables infection prevention and control (IPC) personnel to answer ‘**yes**’ to **every element** of the Training and Education domain.

QUESTION	
Training & Education	How Does SureWash Help?
<p>1) Do individuals who touch patients or who touch items that will be used by patients in your patient care units receive hand hygiene training from a professional with appropriate training and skills at both:</p> <ul style="list-style-type: none"> • the time of onboarding; and • annually thereafter? 	<p>SureWash delivers hand hygiene technique training to the World Health Organization (WHO) protocol. To support the practical learning, the SureWash technology also provides lessons and quizzes based either on the WHO Standards (5 Moments) and/or content developed in conjunction with clinical experts.</p> <p>It can provide initial training at the time of onboarding and also refresher training. This can be used by medical staff, technicians, and environmental services personnel. In addition, a reporting function is available to highlight when refresher training is due.</p>
<p>2) To pass the initial hand hygiene training, do individuals who touch patients or who touch items that will be used by patients in your patient care units need to physically demonstrate proper hand hygiene with soap and water and alcohol-based hand sanitizer?</p>	<p>Leapfrog have now approved that SureWash can be used by individuals to demonstrate proper hand hygiene. (FAQ, pg. 219, no.36)</p> <p>SureWash has been validated in published papers as an assessment tool. The SureWash computer-based training device objectively assesses the users’ hand hygiene technique to the standard of a human assessor by tracking the hand motions and providing real-time feedback.</p> <p>Use of the SureWash device allows staff to demonstrate proper hand hygiene in their own time while infection preventionists focus on other critical tasks.</p>

Training and Education

3) Are **all** six of the following topics included in your hospital's initial and annual hand hygiene training?

- Evidence linking hand hygiene and infection prevention
- When individuals who touch patients or who touch items that will be used by patients should perform hand hygiene (e.g., WHO's 5 Moments for Hand Hygiene, CDC's Guideline for Hand Hygiene)
- How individuals who touch patients or who touch items that will be used by patients should clean their hands with alcohol-based hand sanitizer and soap and water as to ensure they cover all surfaces of hands and fingers, including thumbs and fingernails
- When gloves should be used in addition to hand washing (e.g., caring for C. diff. patients) and how hand hygiene should be performed when gloves are used
- The minimum time that should be spent performing hand hygiene with soap and water and alcohol-based hand sanitizer
- How hand hygiene compliance is monitored

The SureWash **lesson** and **quiz** function ensures that all 6 of the topics are delivered as part of your initial and refresher hand hygiene training.

Each lesson is assessed with a quiz.

SureWash Lesson 1: The WHO Hand Hygiene Protocol

SureWash Lesson 2: 5 Moments for Hand Hygiene

SureWash Lesson 1: The WHO Hand Hygiene Protocol

SureWash Hand Hygiene Technique Training

SureWash Lesson 3: PPE Guidelines, includes a presentation on Donning & Doffing Gloves

SureWash Lesson 1: The WHO Hand Hygiene Protocol

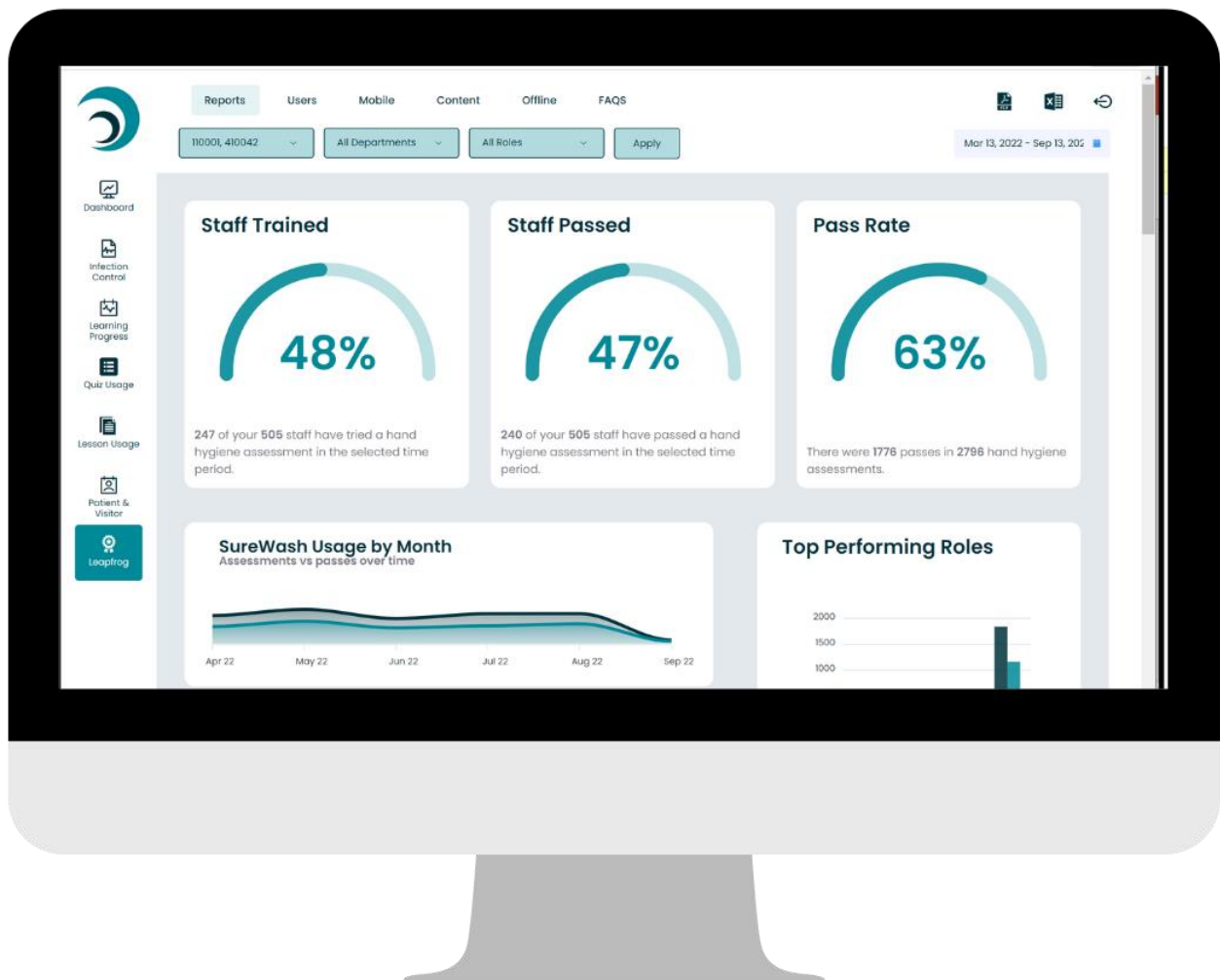
SureWash Lesson 4: Hand Hygiene Monitoring (This is customized for each individual institution)

SureWash Reporting Suite

The Reporting Suite on SureWash.Net is a highly secure audited training record for internal use and regulatory bodies. It removes a huge amount of administration time from both the IPC staff and the Leapfrog Auditors.

SureWash.Net enables administrators to:

- Access all training and assessment data
- View reports down to individual or department level
- View a Leapfrog focused training report which is available on demand
- Export technique training and IPC education data in PDF or Excel format



Culture

The SureWash training system can also assist with the Culture domain:

Culture	How Does SureWash Help?
<p>20) Are patients and visitors invited to remind individuals who touch patients or who touch items that will be used by patients to perform hand hygiene?</p>	<p>The SureWash devices can be used as a promotional device to remind healthcare workers to perform hand hygiene. The SureWash attract loops can be customized with your facilities call-to-action. Also, the SureWash app can be used by patients and visitors to educate them on the importance of hand hygiene and to encourage them to remind healthcare workers to perform hand hygiene.</p>
<p>21) Have all the following individuals (or their equivalents) demonstrated a commitment to support hand hygiene improvement in the last year (e.g., a written or verbal commitment delivered to those individuals who touch patients or who touch items that will be used by patients)?</p> <ul style="list-style-type: none">• Chief Executive Officer• Chief Medical Officer• Chief Nursing Officer	<p>Adopting SureWash demonstrates a strong commitment to Hand Hygiene Training. By senior management training on SureWash themselves and by publishing aggregated reports, they demonstrate to staff their commitment to improving hand hygiene.</p>

Supporting Research Studies

- 1) [The impact of structured incentives on the adoption of a serious game for hand hygiene training in a hospital setting.](#)
- 2) [The impact of automatic video auditing with real-time feedback on the quality and quantity of handwash events in a hospital setting](#)
- 3) [Improved hand hygiene technique and compliance in healthcare workers using gaming technology](#)
- 4) [Psychomotor learning theory informing the design and evaluation of an interactive augmented reality hand hygiene training app for healthcare workers](#)
- 5) [Technology supporting infection prevention and control training in Africa](#)