



 surewash

**SureWash's Role in
Helping you Achieve the
Leapfrog Hand Hygiene Standard**

SureWash & the Leapfrog Hand Hygiene Standard



Leapfrog's hand hygiene standard focuses on adherence to "best practice" hand hygiene practices. There are 5 domains in the Leapfrog Hand Hygiene Standard.

Hospitals are scored based on their performance on these 5 domains of hand hygiene. They include:

- **Monitoring (Electronic and/or Direct Observation):** Including assessing compliance with hand hygiene technique
- **Feedback:** Including evaluations and use of compliance data
- **Training and Education:** Including demonstrations of technique
- **Infrastructure:** Including hand sanitizer dispensers
- **Culture:** Including leadership buy-in

Each hospital achieving the standard for Hand Hygiene must meet all elements for **both** the **Monitoring** and **Feedback** domains, as well as **2** of the **3** remaining domains (**Training & Education, Infrastructure, and Culture**).

The role of SureWash in helping you achieve the Leapfrog Standard is primarily in the *Training & Education* domain. However, the system can also assist with **Culture** & **Feedback**. In addition, SureWash has been **proven** to help improve compliance levels as staff are encouraged to participate in learning and therefore become more confident and aware.

To learn about the specific ways SureWash can help you achieve the Leapfrog Standard, please continue reading.

Training & Education

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>SureWash has been validated in published papers as an assessment tool. In relation to this specific question, Leapfrog requires a physical demonstration using soap or gel by a human observer. However, as hand hygiene is a psychomotor skill, the technique cannot be taught in a single classroom session. SureWash automates the learning so that staff are competent to pass the physical assessment as the technique is part of their muscle memory. This saves significant time for both the observer and trainer. Annual training does not require physical observation of the technique using a human observer and therefore, SureWash can fulfil the entire function.</p>

Training & 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 and Automated 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)

Feedback

Feedback	How Does SureWash Help?
<p>15) Are unit-level hand hygiene compliance data fed back to individuals who touch patients or who touch items that will be used by patients at least monthly for improvement work?</p>	<p>We can facilitate this through the SureWash reporting suite. Training data is available by department or down to individual level on demand to help highlight gaps in knowledge and identify the areas in need of refresher training.</p>
<p>16) Are unit-level hand hygiene compliance data used for creating unit-level action plans?</p>	<p>Training data can be viewed and assessed on a unit basis. Administrators can track users learning progress and view the learning curve towards level 5 compliance. Gaps in knowledge can also be identified through the reports which then highlights the areas in need of re-training.</p>
<p>17) Is regular (at least every 6 months) feedback of hand hygiene compliance data, with demonstration of trends over time, given to:</p> <ul style="list-style-type: none"> • senior administrative leadership, physician leadership, and nursing leadership; • the board (governance); and • the medical executive committee? <p>If “no” to question #17, skip question #18 and continue on to question #19.</p>	<p>All training reports are available to download in PDF or Excel format to give to senior administrative leadership, physician leadership, and nursing leadership. These reports can be filtered by date to identify trends over time.</p>
<p>18) If “yes” to question #17, is senior administrative leadership, physician leadership, and nursing leadership held directly accountable for hand hygiene performance through performance reviews or compensation?</p>	<p>N/A</p>

Culture

Culture	How Does SureWash Help?
<p>19) 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>20) 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 publishing aggregated reports, it also demonstrates to staff their commitment to improving hand hygiene.</p>

Monitoring & Direct Monitoring – Direct Observation

SureWash can also support you with certain elements of Monitoring and Direct Monitoring – Direct Observation. For healthcare workers to be compliant with the 5 Moments of Hand Hygiene, the starting point is to deliver hand hygiene training so that staff are prepared for their direct observation. SureWash offers a complete solution for educating healthcare workers about the how, why, and when of hand hygiene.

SureWash can also be used for both the initial and recurrent training and validation of hand hygiene compliance observers ([SureWash Lesson 5: Train-The-Trainer](#)). The Infection Control Network Africa (ICAN) Train-The-Trainer program uses the SureWash technology platform to support both in-person education and the cascade of training to other staff in the facility. A study on the use of SureWash to support their training is available [here](#).

SureWash Curriculum

In addition to each Lesson, a Quiz is available to assess the learning.

SureWash 1: The WHO Hand Hygiene Protocol

SureWash Lesson 2: 5 Moments for Hand Hygiene

SureWash Lesson 3: PPE Guidelines

- a) Donning & Doffing Gloves
- b) FFP3 Mask Guidelines
- c) Contact Precautions
- d) Droplet Precautions
- e) Airborne Precautions

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

SureWash Lesson 5: Train-The-Trainer

SureWash Supporting Research Papers

- 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](#)