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IMPROVES HAND - HYGIENE COMPLIANCE
REDUCING INFECTION RATES

The
how
in hand
hygiene

VIKING GULF

official distributor

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DOHA

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The number of people dying worldwide from preventable Hospital Acquired Infections (HAI) is comparable to a 747 aircraft full of passengers crashing every day according to the World Health Organisation (WHO).

The Centres for Disease Control (CDC) in the USA have estimated that 100.000 people die in the US each year from infections they acquire in hospitals and estimate the cost of treating these infections at up to $45Bn per year.

"Healthcare workers hands are the most common vehicle for the transmission of healtcare associated pathogens from patient to patient and within the healthcare environment"
WHO, Geneva, Switzerland.

WHO analysis has shown that there is on average 38% compliance with hand-hygiene guidelines.

SureWash usage on a surgical ward in the NHS resulted in a 700% increase in hand-hygiene compliance, with hand-hygiene compliance. (data presented at ICPIC, Geneva, July 2011).

SureWash improves hand-hygiene compliance, reducing infection rates.

SUREWASH IMPROVES HAND-HYGIENE COMPLIANCE
REDUCING INFECTION RATES

Winner of an Innovation Academy award at the International Conference on Prevention and Infection Control in Geneva in 2011.

surewash T R A I N I N G

S U M M A R Y

SureWash is a mobile hand-hygiene training and assessment unit, for use on the ward.

Uses camera, video and graphics to deliver hand-hygiene training and assessment in line with WHO's hand-hygiene protocol.

Provides regular hand-hygiene training to healthcare workers.

Enables all healthcare workers to receive hand-hygiene training.

Measures performance and provides real-time feedback to staff.

Located on the ward, so reminds staff to refresh their hand-hygiene training.

Helps build and maintain an institutional culture of patient safety.

Retains full training records which can demonstrate to international certification bodies such as Joint Commission International (JCI) and Local Healthcare
Authorities that staff have achieved a verifiable competence in hand-hygiene technique, advocated by the WHO.

HOW IT WORKS

SureWash training delivers your tailored hand-hygiene training. The training includes an overview of the importance of hand-hygiene, gives pose by pose instruction and assessment and finally an assessment of the complete hand-hygiene event.

Training and result records are retained for records and audit purposes.

SureWash training takes approximately 4 minutes, and can be done any time, 24/7, without leaving the ward.

Pose by pose instruction and training includes pose demonstration, progress bar while staff member completes the pose and feedback where the pose is not completed in line with protocol.

Assessment uses camera technology. The camera at the top of the unit sees what the staff member's hands are doing. **SureWash** analyses this and compares it to the WHO hand-hygiene protocol. Assessment and feed-back is given to the user in real time on the screen. The user sees a progress bar and is given instruction if their hand-hygiene procedure is not in line with the defined protocol.
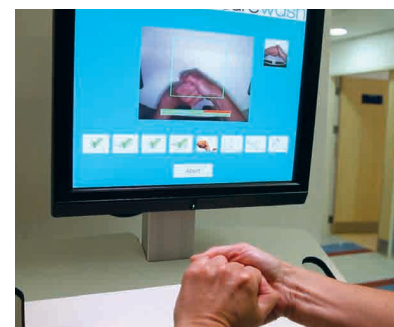
EVIDENCE FOR SUREWASH TRAINING

SureWash saves time:
* Operates 24/7, matching staff rosters and ensuring all staff have the opportunity to train
* Allows staff to train frequently and independently
* Staff complete hand-hygiene training on the ward
* Automatically generates full training records

SureWash saves money:
* Can be moved around the hospital reaching all staff
* Frees infection control staff for other tasks
* Training frequency is increased

"**SureWash** training needed no explanation and staff used it unprompted ... 61 staff used it on the Cardiac ward over a weekend." Ann Higgins, Assistant Director of Nursing, Infection Control, Mater Private Hospital, DublinHiggins (Higgins 2011) used ATP testing to show that only 30% of staff were adequately cleaning their fingertips and between their fi ngers – subsequent training on hand-hygiene technique improved effectiveness.Conrad [Conrad 2010] reported that hand-hygiene campaigns consisting of short training sessions on the ward were effective in reducing infection rates.

Quality hand hygiene rests on three pillars: quality product, correct timimng and quality application through technique.

SureWash now offers healthcare facilities the ability to promote a uniform hand hygiene technique among all staff. Using gesture recognition technology SureWash develops muscle memory, which in turn delivers a standard technique used subconsciously when applying soap or alcohol gel.

The technique learnt through SureWash is that advocated by the WHO* and the CDC**. While allowing for anonymous training SureWash also has the ability to report, in detail, on all activity on the system.

For the first time hand hygiene does not require supervised training: **SureWash** operates on the ward, delivering real-time feedback and providing an active learning experience

SureWash reports show in detail the training effort and competency of staff in their hand hygiene technique. Comparable for wards, hospitals or groups, for the first time hand hygiene is measured objectively. "We can only improve what we can measure."

Improve the hand hygeine in your hospital today with SureWash.

ᴑ **Minimise variation in hand hygiene technique**

ᴑ **Increase the predictability of outcome of hand hygiene events**

ᴑ **Improve efficiency of staff through acquired muscle memory**

* World Health Organization
** Centers for Disease Control

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Hand Hygiene Assessment Report

Please set hospital name

Report start date	10 Sep 2014
Report end date	21 Oct 2014

SureWash was used 3133 times

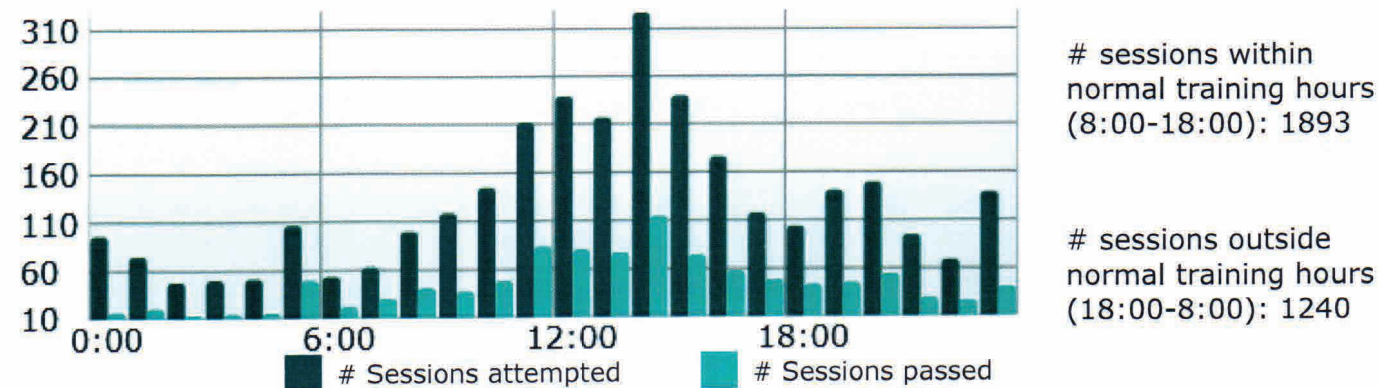| Assessments	Trainings	Quizzes
2203 sessions	854 sessions	76 sessions
526 unique staff	393 unique staff	42 unique staff
300 staff passed	299 staff passed	31 staff passed

Summary by role

Role	# users who used SureWash	# assessments	# trainings	# questionnaires	interactions
Qualified Nurse	270	919	342	31	1292
Doctor	100	254	119	12	385
Other	45	143	50	1	194
Pharmacist	25	60	30	0	90
All other roles	114	827	313	32	1172

Number of sessions by time of day

Sessions attempted   # Sessions passed

sessions within normal training hours (8:00-18:00): 1893

sessions outside normal training hours (18:00-8:00): 1240

91%	77%	90%	94%	70%	74%	82%

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User performance by department

Unknown department

User ID	Name	Outcome	Last session	# Sessions							
0000000000 00	Anonymous use	passed	21 Oct 2014	737	43%	29%	34%	33%	20%	20%	23%
admin123		not assessed		0	0%	0%	0%	0%	0%	0%	0%

Other

User ID	Name	Outcome	Last session	# Sessions							
Sami	Sami Saoud Al Shikh	passed	7 Oct 2014	1	100%	100%	100%	100%	100%	100%	100%
Khaled Alotaibi	Khaled Al0taibi	passed	26 Sep 2014	3	66%	66%	66%	66%	66%	33%	33%
Bothaina Aladamawi	Bothaina Aladamawi	passed	6 Oct 2014	5	80%	80%	80%	60%	40%	20%	60%
Mohammed	Mohammed Albarakati	passed	9 Oct 2014	5	60%	60%	60%	60%	60%	60%	60%
Saleh Almajnooni	Saleh Almajnooni	passed	26 Sep 2014	2	100%	100%	100%	100%	100%	50%	50%
Raed Alsaadi	Raed Alsaadi	passed	7 Oct 2014	3	100%	66%	100%	100%	100%	100%	100%
Fuad Alsaaidi	Fuad Alssaidi	passed	26 Sep 2014	1	100%	100%	100%	100%	100%	100%	100%
Adnan	Adnan Altunsi	passed	26 Sep 2014	1	100%	100%	100%	100%	100%	100%	100%
Ali	Ali Assiri	passed	8 Oct 2014	4	75%	50%	50%	50%	50%	50%	50%
Gina	Gina Bejerasco	passed	7 Oct 2014	19	89%	57%	63%	36%	26%	21%	21%
Roberto De Galicia	Roberto De Galicia	passed	26 Sep 2014	3	66%	66%	33%	66%	33%	66%	66%
Marivic	Marivic De Jesus	passed	23 Sep 2014	1	100%	100%	100%	100%	100%	100%	100%
Ahmad Maghamsi	Ahmad Maghamsi	passed	7 Oct 2014	1	100%	100%	100%	100%	100%	100%	100%
Airma Malise	Airma Malicse	passed	2 Oct 2014	8	100%	100%	50%	100%	50%	75%	50%
Nahed	Nahed Seddeq	passed	27 Sep 2014	1	100%	100%	100%	100%	100%	100%	100%
Khaled Shikh	Khaled Shikh	passed	7 Oct 2014	1	100%	100%	100%	100%	100%	100%	100%
Murad Turkistani	Murad Turkistani	passed	24 Sep 2014	3	66%	66%	66%	66%	66%	66%	33%
Mehnaz Yousaf	Mehnaz Yousaf	passed	27 Sep 2014	2	50%	100%	100%	100%	100%	100%	100%
Nawaf	Nawaf Abdulaziz	failed	9 Oct 2014	4	100%	50%	50%	25%	0%	25%	25%
Amal Alhandy	Amal Alhandy	failed	1 Oct 2014	2	50%	0%	0%	0%	0%	0%	0%
Amal Alhendy	Amal Alhandy	failed	30 Sep 2014	1	0%	0%	0%	0%	0%	0%	0%
Kalil	Khalil Alhazmi	failed	27 Sep 2014	6	33%	16%	33%	33%	33%	33%	16%
Abdulaziz	Abdulaziz Ali	failed	27 Sep 2014	8	37%	25%	12%	37%	12%	25%	25%
Ohoood Ali Saif	Ohood Ali	failed	27 Sep 2014	2	50%	50%	50%	50%	0%	0%	0%
Yasser Almatrafi	Yasser Almatrafi	failed	9 Oct 2014	2	50%	100%	50%	100%	50%	50%	0%
Sameera	Sameera Alqarni	failed	28 Sep 2014	2	50%	0%	50%	50%	50%	50%	50%

Other — Qualified Nurse

User ID	Name	Outcome	Last session	# Sessions							
Khadijah	Khadijah Abdullatif	passed	7 Oct 2014	4	75%	75%	75%	25%	25%	25%	25%
Bai Amira Abo	Bai Amira Abo	passed	7 Oct 2014	2	100%	100%	100%	100%	100%	100%	100%
Rohanisa	Rohanisa Abu	passed	27 Sep 2014	4	75%	25%	25%	25%	25%	25%	25%
Anhar	Anhar Adil	passed	28 Sep 2014	2	50%	50%	50%	50%	50%	50%	50%
Samarah	Samarah Ahmad	passed	8 Oct 2014	2	50%	50%	50%	50%	50%	50%	50%
Shatta	Shatha Ahmad Mohamed Aladwani	passed	27 Sep 2014	3	66%	66%	66%	33%	33%	33%	33%
Intan Akma	Intan Akmad	passed	8 Oct 2014	3	66%	66%	66%	66%	66%	66%	66%
Titina	Titina Al Barakati	passed	5 Oct 2014	2	100%	100%	100%	100%	100%	100%	100%
Shaimaa	Shaimaa Alantawy	passed	26 Sep 2014	6	66%	83%	66%	66%	33%	50%	16%
Turkey	Turkey Alharbi	passed	27 Sep 2014	5	80%	20%	20%	20%	20%	20%	20%
Arbie	Arbie Aliakbar	passed	24 Sep 2014	9	66%	22%	33%	33%	22%	33%	33%
Airiza Alih	Airiza Alih	passed	1 Oct 2014	3	33%	33%	33%	33%	33%	33%	33%
Marygraca	Marygrace Alih	passed	8 Oct 2014	2	50%	50%	50%	50%	50%	50%	50%
Manal	Manal Allhyani	passed	1 Oct 2014	17	64%	52%	47%	47%	17%	41%	41%
Fatimah Almagharbi	Fatimah Almagharbi	passed	26 Sep 2014	2	100%	100%	100%	100%	100%	100%	100%
Omar	Omar Almalki	passed	8 Oct 2014	5	60%	80%	80%	80%	80%	60%	60%
Nada	Nada Alreheily	passed	27 Sep 2014	8	50%	37%	37%	37%	25%	12%	12%
Mohamed Talal	Mohamed Alsaidi	passed	8 Oct 2014	2	100%	100%	100%	100%	100%	100%	100%
Nurshaima	Nurshaima Amiruddin	passed	27 Sep 2014	2	50%	50%	50%	50%	50%	50%	50%
Salima Ampaso	Salima Ampaso	passed	26 Sep 2014	1	100%	100%	100%	100%	100%	100%	100%
Aira	Sitti Aira Aud	passed	27 Sep 2014	3	66%	66%	66%	66%	33%	66%	66%
Amal	Amal Bakr	passed	30 Sep 2014	11	27%	36%	18%	36%	18%	18%	36%
Marybeth Balabag	Marybeth Balabag	passed	7 Oct 2014	4	100%	100%	100%	100%	25%	25%	25%
Somiah	Somaiah Barnawi	passed	27 Sep 2014	3	66%	33%	33%	66%	33%	66%	33%
Roaa	Roaa Basri	passed	9 Oct 2014	7	85%	28%	100%	85%	85%	71%	100%
Myrzal	Myrzalina Cachero	passed	27 Sep 2014	4	75%	25%	25%	25%	25%	25%	25%
Jocelyn Cajeta	Jocelyn Cajeta	passed	27 Sep 2014	4	25%	75%	75%	25%	50%	25%	50%
Malou	Marilou Calaycay	passed	27 Sep 2014	2	50%	50%	50%	50%	50%	50%	50%
Merlie Callejo	Merlie Callejo	passed	7 Oct 2014	7	57%	57%	71%	71%	57%	28%	42%
Sitcams	Sitti Ruhainie Camsain	passed	27 Sep 2014	4	50%	25%	25%	25%	25%	25%	25%
Sherazade	Sherazade Dalantay	passed	26 Sep 2014	7	71%	71%	71%	71%	71%	42%	71%
Aisha	Aisha Dimaculangan	passed	8 Oct 2014	9	77%	33%	77%	77%	11%	44%	77%
Erlinda	Erlinda Duncombe	passed	22 Sep 2014	2	50%	100%	100%	100%	100%	100%	100%
Zainab	Zainab El Sayed	passed	27 Sep 2014	1	100%	100%	100%	100%	100%	100%	100%

Other — Doctor

User ID	Name	Outcome	Last session	# Sessions							
Sara Habeeb	Sara Habeeb	failed	24 Sep 2014	3	66%	66%	66%	66%	66%	33%	66%
Hamid	Hamid Imam	failed	23 Sep 2014	3	33%	33%	33%	33%	33%	0%	33%
Dr Khalid Jamil	Dr Khalid Jamil	failed	7 Oct 2014	3	33%	33%	66%	66%	0%	33%	0%
Dr Aisha	Aisha Matar	failed	27 Sep 2014	2	100%	100%	50%	50%	100%	50%	50%
Ali Mirza	Ali Mirza	failed	26 Sep 2014	2	50%	50%	50%	50%	50%	0%	0%
Ibtesam Mohamed	Ibtesam Mohamed	failed	9 Oct 2014	3	66%	0%	33%	0%	0%	0%	0%
Mohsen	Mohsen Mohamed	failed	26 Sep 2014	1	0%	0%	0%	0%	0%	0%	0%
Dr Samiha Mohamed	Samiha Mohamed	failed	27 Sep 2014	9	44%	22%	44%	22%	0%	0%	11%
Dr Samiha	Dr Samiha Mohammed	failed	27 Sep 2014	2	100%	0%	100%	100%	0%	0%	50%
Dr Belal	Belal Mostafa	failed	27 Sep 2014	2	100%	50%	100%	100%	50%	50%	0%
Shoaib	Shoaib Nasir	failed	8 Oct 2014	3	33%	66%	66%	66%	33%	66%	66%
Jesmin	Jesmin Rahman	failed	30 Sep 2014	1	0%	0%	0%	0%	0%	0%	0%
Dr Sami Salem	Dr Sami Salem	failed	7 Oct 2014	2	100%	50%	100%	100%	0%	100%	100%
Khudeja	Khudeja Zafrulla	failed	30 Sep 2014	3	33%	0%	66%	33%	0%	33%	33%

Other — Registrar

User ID	Name	Outcome	Last session	# Sessions							
Almaira Usman	Almaira Usman	failed	1 Oct 2014	1	100%	100%	100%	100%	100%	100%	0%

Other — Consultant

User ID	Name	Outcome	Last session	# Sessions							
Rami Alsafi	Rami Alsafi	passed	5 Oct 2014	3	66%	66%	66%	66%	33%	66%	66%
Sameh	Samh Emam	failed	5 Oct 2014	2	100%	100%	100%	100%	0%	100%	100%
Osama	Osama Hegazy	failed	7 Oct 2014	4	50%	75%	75%	25%	75%	25%	50%

Other — Medical student

User ID	Name	Outcome	Last session	# Sessions							
Marwan	Marwan Alkhattabi	passed	5 Oct 2014	2	100%	100%	100%	100%	100%	100%	100%

Other — Qualified Nurse

User ID	Name	Outcome	Last session	# Sessions							
Johainee	Johainee Abdullah	passed	27 Sep 2014	2	50%	50%	50%	50%	50%	50%	50%

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5 Oct 2014

Samia Bakh   Samia Allehaibi   Other
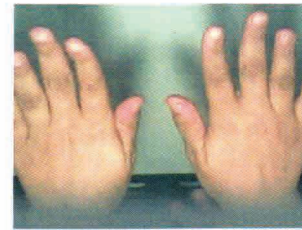

8 Oct 2014

Manal   Manal Allhyani   Other
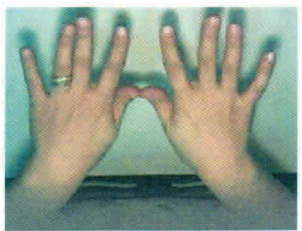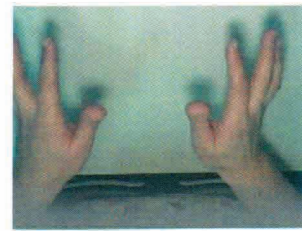

29 Sep 2014   29 Sep 2014   30 Sep 2014   30 Sep 2014

30 Sep 2014   30 Sep 2014   30 Sep 2014   30 Sep 2014

30 Sep 2014   30 Sep 2014   30 Sep 2014   1 Oct 2014

Fatimah Almagharbi   Fatimah Almagharbi   Other

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8 Oct 2014

Rehab   Rehab Hamedan   Other
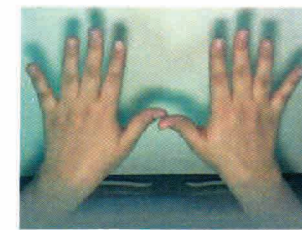
1 Oct 2014   1 Oct 2014   1 Oct 2014   8 Oct 2014

Fatma   Fatma Hariri   Other
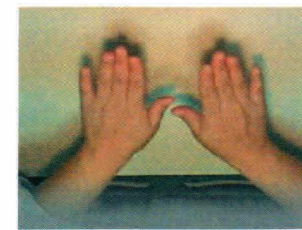
7 Oct 2014   7 Oct 2014

Ayad   Ayad Hasan   Other

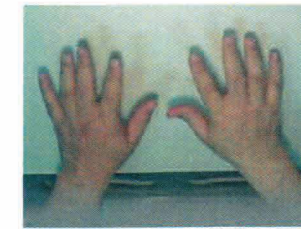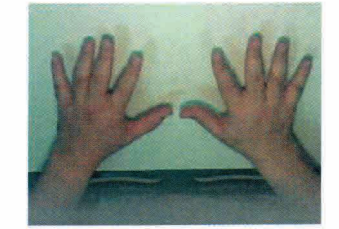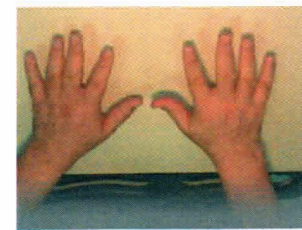30 Sep 2014   30 Sep 2014   30 Sep 2014   30 Sep 2014

2 Oct 2014

Vina   Vina Hassan   Other