




Hand Hygiene ...
Lets get practical
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Infection Prevention & Control
Sept 2015

A TRADITION OF
INDEPENDENT
THINKING



UCC
University College Cork, Ireland
Coláiste na Tríonóide, Corcaigh

The poster features a collage of images: a stone tower, a person washing hands, a person in a lab coat, and a group of people. The text is in a clean, sans-serif font.



WHO Guidelines
on Hand Hygiene in Health Care

First Global Patient Safety Challenge
Clean Care is Safer Care

SAVE LIVES
Clean Your Hands

Hand Hygiene in Outpatient and
Home-based Care and Long-term Care Facilities

A Guide to the Application of the WHO Multinational Hand Hygiene
Improvement Strategy and the "My Five Moments for Hand Hygiene" Approach

Guidelines for
hand hygiene in Irish healthcare settings
Update of 2005 guidelines
January 2015




The poster includes a world map, a hand being washed, and a water droplet. The text is organized into sections with colored backgrounds.

WHO Consensus on Hand Hygiene

Recommendations given on

1. Indications for Hand Hygiene
2. Hand Hygiene Technique
3. Recommendations for surgical hand preparation
4. Selection and handling of hand hygiene agents
5. Skin care
6. Use of Gloves
7. Other aspects of hand hygiene –nails & jewellery
8. Educational and motivational programme for health-care workers
9. Governmental and Institutional Responsibility
 - Healthcare administrators
 - National government



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The poster has a clean layout with a list of recommendations and logos at the bottom.

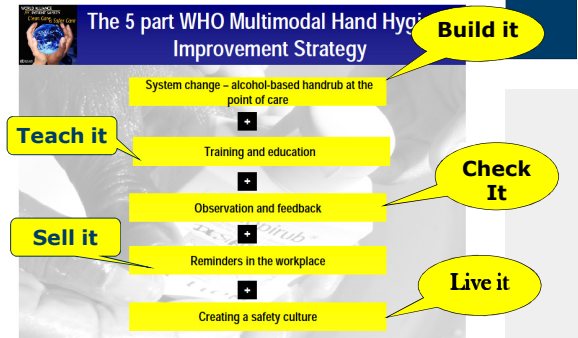
WHO - My 5 Moments Approach

Thorough review of the evidence WHO proposes an approach for Hand Hygiene

- focuses on the critical times for hand hygiene when there is a direct risk for HCAI
- applicable to all areas where healthcare is delivered including primary care, LTCF and home based care.



The 5 part WHO Multimodal Hand Hygiene Improvement Strategy



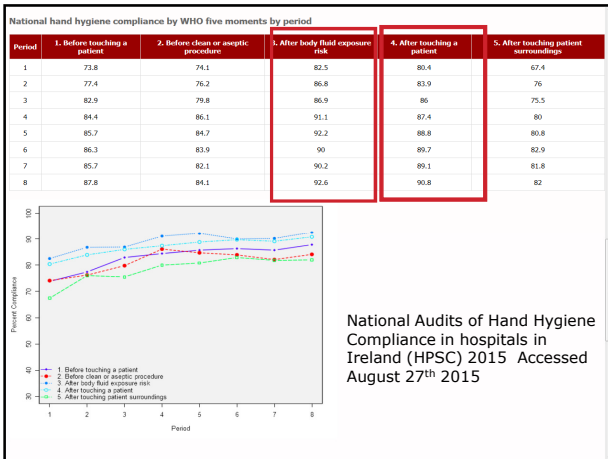
Form No: Acute Hospitals: Hand Hygiene Core and Non-Core Data Collection Form

Healthcare facility: Directorate: Unit/Ward/Dept: Date of observation: Start time:

End time: Duration: Auditor: Period number: (n/a for local audits, HFSC will provide for national reports)

HCW codes ¹	HCW code	Opp	Hand Hygiene Indication	Hand Hygiene Action	Time	Barriers to technique	Technique as per SARI 2005 or as locally agreed	Comments
Nurses/midwife: 1.0 Any nurse or midwife 1.1 Nurse 1.2 Midwife 1.3 Student nurse or midwife 1.4 Non-core nurse/midwife ²	1		<input type="checkbox"/> Bat. sur	<input type="checkbox"/> HR	<input type="checkbox"/> > 15 sec ³	None <input type="checkbox"/> Wearing more than one plain ring? <input type="checkbox"/> Wearing a wrist watch <input type="checkbox"/> Shaves to wrist <input type="checkbox"/> Nail varnish present <input type="checkbox"/> False nails present	<input type="checkbox"/> Correct <input type="checkbox"/> Incorrect <input type="checkbox"/> Not observed	
			<input type="checkbox"/> Bat. assept	<input type="checkbox"/> HW	<input type="checkbox"/> < 15 sec ³			
			<input type="checkbox"/> Alb.a.l	<input type="checkbox"/> Missed	<input type="checkbox"/> Not observed			
			<input type="checkbox"/> Alb.pat	<input type="checkbox"/> Gloves				
			<input type="checkbox"/> Alb.surr					
Auxiliary: 2.0 Any auxiliary 2.1 Phlebot	2		<input type="checkbox"/> Bat. sur	<input type="checkbox"/> HR	<input type="checkbox"/> > 15 sec ³	None <input type="checkbox"/> Wearing more than one plain ring? <input type="checkbox"/> Wearing a wrist watch <input type="checkbox"/> Shaves to wrist <input type="checkbox"/> Nail varnish present <input type="checkbox"/> False nails present	<input type="checkbox"/> Correct <input type="checkbox"/> Incorrect <input type="checkbox"/> Not observed	
			<input type="checkbox"/> Bat. assept	<input type="checkbox"/> HW	<input type="checkbox"/> < 15 sec ³			
			<input type="checkbox"/> Alb.a.l	<input type="checkbox"/> Missed	<input type="checkbox"/> Not observed			
			<input type="checkbox"/> Alb.pat	<input type="checkbox"/> Gloves				
			<input type="checkbox"/> Alb.surr					
Medical staff: 3.0 Any medical staff 3.1 MD or medical team 3.2 NCHD on surgical team 3.3 MD or consultant on ASE dept 3.4 NCHD in paediatrics 3.5 MD or Specialist ⁴	3		<input type="checkbox"/> Bat. sur	<input type="checkbox"/> HR	<input type="checkbox"/> > 15 sec ³	None <input type="checkbox"/> Wearing more than one plain ring? <input type="checkbox"/> Wearing a wrist watch <input type="checkbox"/> Shaves to wrist <input type="checkbox"/> Nail varnish present <input type="checkbox"/> False nails present	<input type="checkbox"/> Correct <input type="checkbox"/> Incorrect <input type="checkbox"/> Not observed	
			<input type="checkbox"/> Bat. assept	<input type="checkbox"/> HW	<input type="checkbox"/> < 15 sec ³			
			<input type="checkbox"/> Alb.a.l	<input type="checkbox"/> Missed	<input type="checkbox"/> Not observed			
			<input type="checkbox"/> Alb.pat	<input type="checkbox"/> Gloves				
			<input type="checkbox"/> Alb.surr					
Allied Health/Other: 4.0 Any allied health/other 4.1 Physiotherapist 4.2 Speech & language 4.3 Radiographer 4.4 Clinical technican 4.5 Laboratory staff 4.6 Dentist 4.7 Social worker 4.8 Pharmacist 4.9 Consultant of allied health/other 4.11 Occupational therapists 4.12 Dietitian 4.13 Radiator care 4.14 Physiotherapist 4.15 Non-core allied health/other ⁵	4		<input type="checkbox"/> Bat. sur	<input type="checkbox"/> HR	<input type="checkbox"/> > 15 sec ³	None <input type="checkbox"/> Wearing more than one plain ring? <input type="checkbox"/> Wearing a wrist watch <input type="checkbox"/> Shaves to wrist <input type="checkbox"/> Nail varnish present <input type="checkbox"/> False nails present	<input type="checkbox"/> Correct <input type="checkbox"/> Incorrect <input type="checkbox"/> Not observed	
			<input type="checkbox"/> Bat. assept	<input type="checkbox"/> HW	<input type="checkbox"/> < 15 sec ³			
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5		<input type="checkbox"/> Bat. sur	<input type="checkbox"/> HR	<input type="checkbox"/> > 15 sec ³	None <input type="checkbox"/> Wearing more than one plain ring? <input type="checkbox"/> Wearing a wrist watch <input type="checkbox"/> Shaves to wrist <input type="checkbox"/> Nail varnish present <input type="checkbox"/> False nails present	<input type="checkbox"/> Correct <input type="checkbox"/> Incorrect <input type="checkbox"/> Not observed		
		<input type="checkbox"/> Bat. assept	<input type="checkbox"/> HW	<input type="checkbox"/> < 15 sec ³				
		<input type="checkbox"/> Alb.a.l	<input type="checkbox"/> Missed	<input type="checkbox"/> Not observed				
		<input type="checkbox"/> Alb.pat	<input type="checkbox"/> Gloves					
		<input type="checkbox"/> Alb.surr						

1. To be completed when entering data into MS Excel tool
 2. HCWs can be classified by using generic codes (e.g. 1.0, 2.0), specific codes (e.g. 2.1, 3.1) or a combination of both.
 3. Non-core refers to staff who are not regular members of the multidisciplinary teams in the ward/unit.
 4. As per local guidelines.
 5. One stone-less ring may be worn for social and antiseptic hand hygiene.



Guide: Monitoring Programme for National Standards for the Prevention and Control of Healthcare-Associated Infections
Health Information and Quality Authority

Hand Hygiene Observation Tool – At least 10 opportunities to be observed per area visited

Employee Category	Hand Hygiene Opportunity (HHO)	Hand Hygiene Episode Observed after HHO	>=15 sec	More than one plain ring	Wearing a Watch	Sleeves to Wrist	Nail varnish present	False Nails Present	Correct Technique	Comment
1										
2										
3										
4										
5										
6										
7										
8										
9										
10										
11										
12										
13										
14										
15										
16										
17										
18										
19										
20										

HIQA observe hand hygiene using a different methodology
For example reporting to HPSC

- 20 opportunities for hand hygiene
- 7 taken = 85% Compliance

However HIQA observe & report using all elements
- 1 person with nail varnish, 1 with a watch, 1 with incorrect technique, 1 with more than one ring, 1 with long sleeves, 1 cleans hands for less than 15secs, 1 with false nails.

That's 7 with barriers, reducing compliance to 50%

Therefore 10 opportunities for Hand Hygiene have been taken at the right time & in the right way -.

Hand Hygiene - At the right time
What are the 5 moments for Hand Hygiene?

Identify the 5 Moments for Hand Hygiene and give the reason why it's necessary at that moment

1. _____
Why _____
2. _____
Why _____
3. _____
Why _____
4. _____
Why _____
5. _____
Why _____



Hand Hygiene for healthcare workers

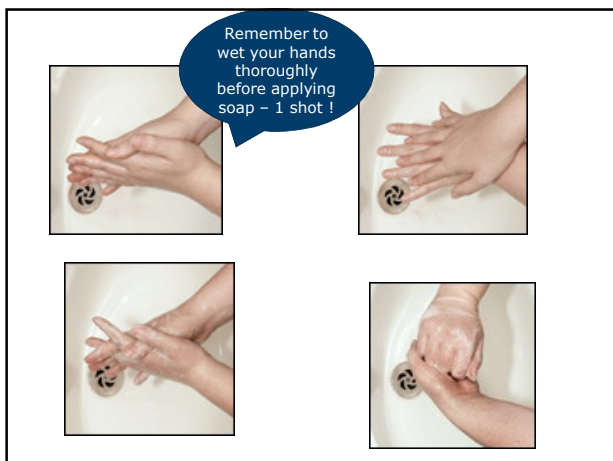
6 Step Technique
A six step handwashing technique as defined here was devised by Ayllon et al (1976). Each step consists of several strokes, backwards and forwards. Wet hands and use soap/antiseptic solution. Rinse hands under running water and dry thoroughly with disposable paper towel.

1. Palm-to-palm.
2. Right palm over back of left hand, left palm over back of right hand.
3. Palm-to-palm, fingers interlaced.
4. Backs of fingers to opposing palms with fingers interlaced.
5. Rotational rubbing of backhands and forwards with clasped fingers of right hand to left palm and vice versa.
6. Rotational rubbing of right thumb clasped in left palm and vice versa.

How to Handwash?
WASH HANDS WHEN VISIBLY SOILED! OTHERWISE, USE HANDRUB
Duration of the entire procedure: 40-60 seconds

1. Wet hands with water.
2. Apply enough soap to cover all hand surfaces.
3. Rub hands palm to palm.
4. Right palm over left forearm with interlaced fingers and vice versa.
5. Palm to palm with fingers interlaced.
6. Backs of fingers to opposing palms with fingers interlaced.
7. Rotational rubbing of left thumb clasped in right palm and vice versa.
8. Rotational rubbing, backhand and forwards, with clasped fingers of right hand to left palm and vice versa.
9. Rub hands thoroughly with a single use towel.
10. Use hand to turn off faucet.
11. Your hands are now safe.

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