

Strengthening IPC for Effective Epidemic Preparedness

IPC FOCAL PERSONS TRAINING

Topic: **IMPLEMENTATION OF HAND HYGIENE AUDIT**

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Outline

- What is hand hygiene audit
- Process of HH audit
- Defining the Patient care area or patient zone
- How to observe hand hygiene



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What is HH Audit

- A hand hygiene audit may be defined as a **quality improvement process** that seeks to **improve the safety of healthcare** by **determining the compliance with recommended guidelines for hand hygiene by healthcare workers** and using the audit results **to inform decisions about hand hygiene promotion, education, and training**



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Process of HH Audit



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Planning for the audit

- Define the scope of the audit (coverage, target groups)
- Determine the timeline of all audit activities (including data analysis, and dissemination of results)
- Prepare the budget for the audit process
- Identify the hand hygiene auditors
- Identify service delivery areas for audit
- Communicate with the leadership of the service delivery area
- Procure the materials needed for the audit
- Conduct a refresher training (to include onsite hand hygiene observation)



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Data collection

- Physically visit the service delivery area for the audit
- Observe patient care activity unobtrusively
- Document findings on the observation form immediately
- Observe individual healthcare workers
- Respect patients privacy
- Avoid auditing during medical emergencies



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Post-data collection

- Hold a debriefing meeting
- Analyze the data
- Prepare audit report
 - Make recommendations based on results
 - Share with all stakeholders



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Defining a patient care area

Focusing on a single patient, the healthcare setting is divided into two virtual geographical areas, **the patient zone**, and **the healthcare area**

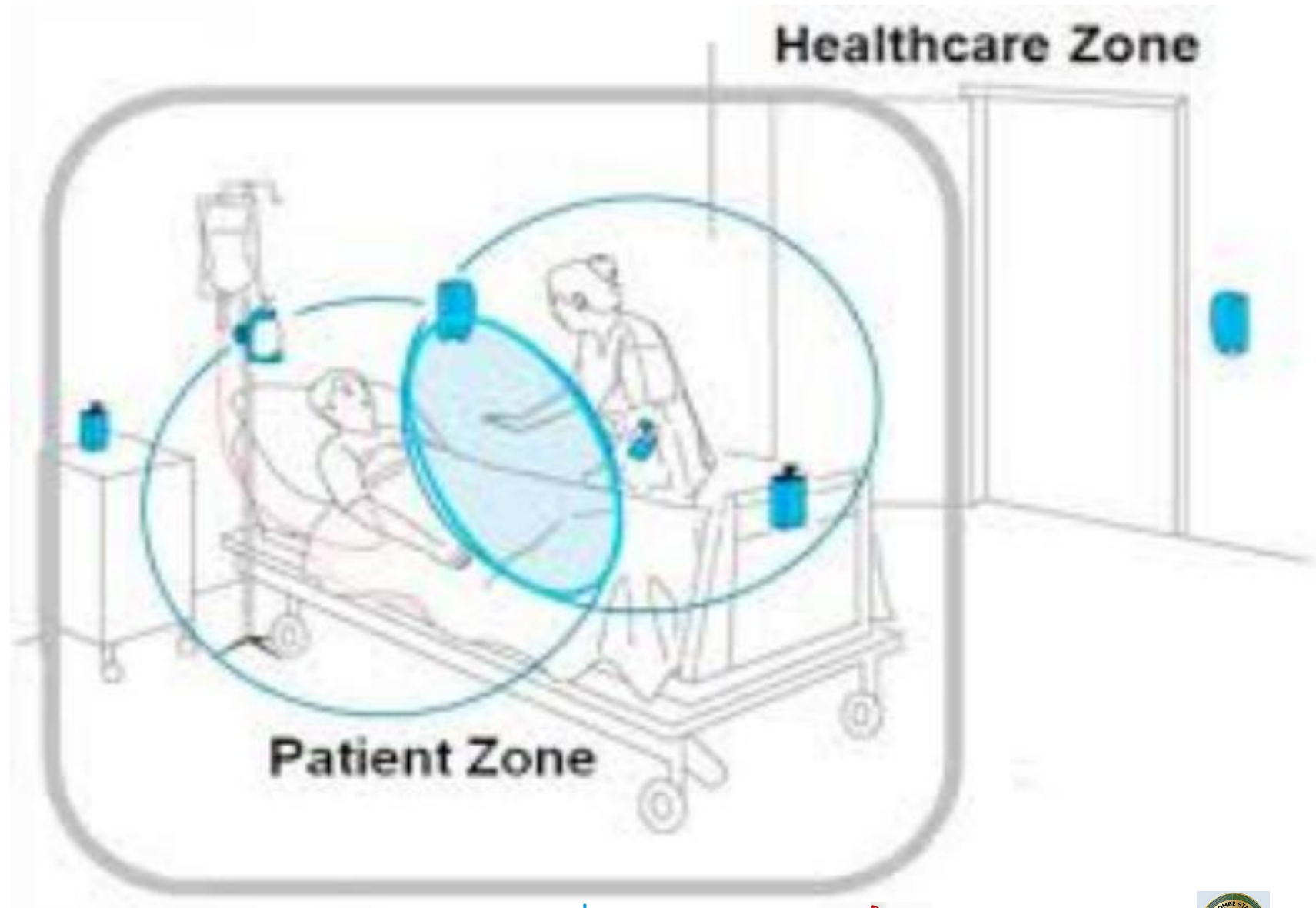
- **Patient zone**: it includes the patient and some surfaces and items that are temporarily and exclusively dedicated to him or her such as all inanimate surfaces that are touched by or in direct physical contact with the patient (e.g. bed rails, bedside table, bed linen, chairs, infusion tubing, monitors, knobs and buttons, and other medical equipment)
- **Health-care area**: it contains all surfaces in the health-care setting outside the patient zone of patient X. It includes: other patients and their patient zones and the wider healthcare facility environment. The healthcare area is characterized by the presence of various and numerous microbial species, including multi-resistant germs



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Patient care area



How to observe HH


- Direct observation is the most accurate methodology
- The observer must familiarize him/herself with the methods and tools used in a promotion campaign and must be trained (and validated) to identify and distinguish the indications for hand hygiene occurring during health care practices at the point-of-care
- The observer must conduct observations openly, without interfering with the ongoing work, and keep the identity of the health-care workers confidential
- Compliance should be detected according to the "My 5 Moments for Hand Hygiene" approach recommended by WHO



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HH Observation form

 World Health Organization		Patient Safety <small>A World Alliance for Safer Health Care</small>		SAVE LIVES Clean Your Hands	
Observation Form					
Facility:		Period Number*:		Session Number*:	
Service:		Date: (dd/mm/yy)	/ /	Observer: (initials)	
Ward:		Start/End time: (hh:mm)	: / :	Page N°:	
Department:		Session duration: (mm)		City**:	
Country**:					

Prof.cat Code N°	Prof.cat Code N°	Prof.cat Code N°	Prof.cat Code N°
1	1	1	1
2	2	2	2
3	3	3	3
4	4	4	4
5	5	5	5
6	6	6	6
7	7	7	7
8	8	8	8

Opp.	Indication	HH Action	Opp.	Indication	HH Action	Opp.	Indication	HH Action	Opp.	Indication	HH Action
1	<input type="checkbox"/> bef-pat. <input type="checkbox"/> bef-asept. <input type="checkbox"/> aft-b.f. <input type="checkbox"/> aft-pat. <input type="checkbox"/> aft.p.surr.	<input type="checkbox"/> HR <input type="checkbox"/> HW <input type="checkbox"/> missed <input type="checkbox"/> gloves	1	<input type="checkbox"/> bef-pat. <input type="checkbox"/> bef-asept. <input type="checkbox"/> aft-b.f. <input type="checkbox"/> aft-pat. <input type="checkbox"/> aft.p.surr.	<input type="checkbox"/> HR <input type="checkbox"/> HW <input type="checkbox"/> missed <input type="checkbox"/> gloves	1	<input type="checkbox"/> bef-pat. <input type="checkbox"/> bef-asept. <input type="checkbox"/> aft-b.f. <input type="checkbox"/> aft-pat. <input type="checkbox"/> aft.p.surr.	<input type="checkbox"/> HR <input type="checkbox"/> HW <input type="checkbox"/> missed <input type="checkbox"/> gloves	1	<input type="checkbox"/> bef-pat. <input type="checkbox"/> bef-asept. <input type="checkbox"/> aft-b.f. <input type="checkbox"/> aft-pat. <input type="checkbox"/> aft.p.surr.	<input type="checkbox"/> HR <input type="checkbox"/> HW <input type="checkbox"/> missed <input type="checkbox"/> gloves
2	<input type="checkbox"/> bef-pat. <input type="checkbox"/> bef-asept. <input type="checkbox"/> aft-b.f. <input type="checkbox"/> aft-pat. <input type="checkbox"/> aft.p.surr.	<input type="checkbox"/> HR <input type="checkbox"/> HW <input type="checkbox"/> missed <input type="checkbox"/> gloves	2	<input type="checkbox"/> bef-pat. <input type="checkbox"/> bef-asept. <input type="checkbox"/> aft-b.f. <input type="checkbox"/> aft-pat. <input type="checkbox"/> aft.p.surr.	<input type="checkbox"/> HR <input type="checkbox"/> HW <input type="checkbox"/> missed <input type="checkbox"/> gloves	2	<input type="checkbox"/> bef-pat. <input type="checkbox"/> bef-asept. <input type="checkbox"/> aft-b.f. <input type="checkbox"/> aft-pat. <input type="checkbox"/> aft.p.surr.	<input type="checkbox"/> HR <input type="checkbox"/> HW <input type="checkbox"/> missed <input type="checkbox"/> gloves	2	<input type="checkbox"/> bef-pat. <input type="checkbox"/> bef-asept. <input type="checkbox"/> aft-b.f. <input type="checkbox"/> aft-pat. <input type="checkbox"/> aft.p.surr.	<input type="checkbox"/> HR <input type="checkbox"/> HW <input type="checkbox"/> missed <input type="checkbox"/> gloves
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8	<input type="checkbox"/> bef-pat. <input type="checkbox"/> bef-asept. <input type="checkbox"/> aft-b.f. <input type="checkbox"/> aft-pat. <input type="checkbox"/> aft.p.surr.	<input type="checkbox"/> HR <input type="checkbox"/> HW <input type="checkbox"/> missed <input type="checkbox"/> gloves	8	<input type="checkbox"/> bef-pat. <input type="checkbox"/> bef-asept. <input type="checkbox"/> aft-b.f. <input type="checkbox"/> aft-pat. <input type="checkbox"/> aft.p.surr.	<input type="checkbox"/> HR <input type="checkbox"/> HW <input type="checkbox"/> missed <input type="checkbox"/> gloves	8	<input type="checkbox"/> bef-pat. <input type="checkbox"/> bef-asept. <input type="checkbox"/> aft-b.f. <input type="checkbox"/> aft-pat. <input type="checkbox"/> aft.p.surr.	<input type="checkbox"/> HR <input type="checkbox"/> HW <input type="checkbox"/> missed <input type="checkbox"/> gloves	8	<input type="checkbox"/> bef-pat. <input type="checkbox"/> bef-asept. <input type="checkbox"/> aft-b.f. <input type="checkbox"/> aft-pat. <input type="checkbox"/> aft.p.surr.	<input type="checkbox"/> HR <input type="checkbox"/> HW <input type="checkbox"/> missed <input type="checkbox"/> gloves

* To be completed by the data manager.
 ** Optional. To be used if appropriate, according to the local needs and regulations.

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HH Indications and Opportunities

Indication;

the reason why hand hygiene is necessary at a given moment. It is justified by a **risk of germ transmission** from one surface to another

Opportunity;

moment when a hand hygiene action is necessary during health-care activities, to interrupt germ transmission by hands
A hand hygiene action must correspond to each opportunity

Opp.	Indication	HH Action
1	<input type="checkbox"/> bef-pat. <input type="checkbox"/> bef-asept. <input type="checkbox"/> aft-b.f. <input type="checkbox"/> aft-pat. <input type="checkbox"/> aft.p.surr.	<input type="checkbox"/> HR <input type="checkbox"/> HW <input type="radio"/> missed <input type="radio"/> gloves



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Wrong Observation

Opp.	Indication	HH Action	Opp.	Indication	HH Action	Opp.
1	<input checked="" type="checkbox"/> bef-pat. <input checked="" type="checkbox"/> bef-asept. <input type="checkbox"/> aft-b.f. <input checked="" type="checkbox"/> aft-pat. <input type="checkbox"/> aft.p.surr.	<input type="checkbox"/> HR <input type="checkbox"/> HW <input type="radio"/> missed <input type="radio"/> gloves	1	<input checked="" type="checkbox"/> bef-pat. <input checked="" type="checkbox"/> bef-asept. <input type="checkbox"/> aft-b.f. <input checked="" type="checkbox"/> aft-pat. <input checked="" type="checkbox"/> aft.p.surr.	<input type="checkbox"/> HR <input type="checkbox"/> HW <input type="radio"/> missed <input type="radio"/> gloves	1
2	<input type="checkbox"/> bef-pat. <input type="checkbox"/> bef-asept. <input type="checkbox"/> aft-b.f. <input checked="" type="checkbox"/> aft-pat. <input checked="" type="checkbox"/> aft.p.surr.	<input type="checkbox"/> HR <input type="checkbox"/> HW <input type="radio"/> missed <input type="radio"/> gloves	2	<input type="checkbox"/> bef-pat. <input type="checkbox"/> bef-asept. <input type="checkbox"/> aft-b.f. <input type="checkbox"/> aft-pat. <input type="checkbox"/> aft.p.surr.	<input type="checkbox"/> HR <input type="checkbox"/> HW <input type="radio"/> missed <input type="radio"/> gloves	2

Correct Observation

Opp.	Indication	HH Action	Opp.	Indication	HH Action	Opp.
1	<input checked="" type="checkbox"/> bef-pat. <input checked="" type="checkbox"/> bef-asept. <input type="checkbox"/> aft-b.f. <input type="checkbox"/> aft-pat. <input type="checkbox"/> aft.p.surr.	<input type="checkbox"/> HR <input type="checkbox"/> HW <input type="radio"/> missed <input type="radio"/> gloves	1	<input type="checkbox"/> bef-pat. <input checked="" type="checkbox"/> bef-asept. <input type="checkbox"/> aft-b.f. <input type="checkbox"/> aft-pat. <input type="checkbox"/> aft.p.surr.	<input type="checkbox"/> HR <input type="checkbox"/> HW <input type="radio"/> missed <input type="radio"/> gloves	1
2	<input type="checkbox"/> bef-pat. <input type="checkbox"/> bef-asept. <input type="checkbox"/> aft-b.f. <input checked="" type="checkbox"/> aft-pat. <input type="checkbox"/> aft.p.surr.	<input type="checkbox"/> HR <input type="checkbox"/> HW <input type="radio"/> missed <input type="radio"/> gloves	2	<input type="checkbox"/> bef-pat. <input type="checkbox"/> bef-asept. <input checked="" type="checkbox"/> aft-b.f. <input type="checkbox"/> aft-pat. <input type="checkbox"/> aft.p.surr.	<input type="checkbox"/> HR <input type="checkbox"/> HW <input type="radio"/> missed <input type="radio"/> gloves	2

Go to Case Scenario



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