



## **Ship Sanitation Inspection and Issuance of Ship Sanitation Certificate**

# **Medical Facilities**

# Medical facilities on board Ship



# Required skills for Medical facilities

- Demonstrate knowledge of basic epidemiological concepts necessary to detect public health events.
- Plan an inspection for infection prevention and control on ships.
- Verify management plans and policies on a ship to prevent, respond, and control infectious diseases.
- Demonstrate knowledge on arrangements of medical aid on board and isolation protocols and procedures.



# Role of Medical Facilities in Public Health

Medical facilities are a core component of disease surveillance and control on board ships.

Poorly designed or inadequately maintained facilities may become a public health risk, particularly for the spread of communicable diseases.

A sick passenger or crew member may pose a public health risk both on board and ashore.

## Medical facility requirements depend on:

- Type of ship
- Number of passengers and crew
- Duration and international nature of the voyage

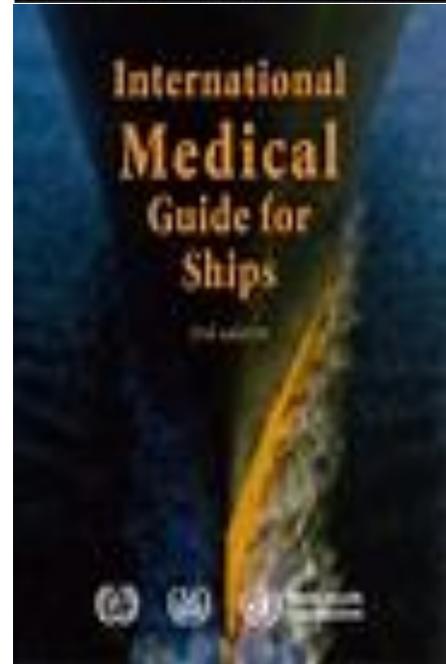
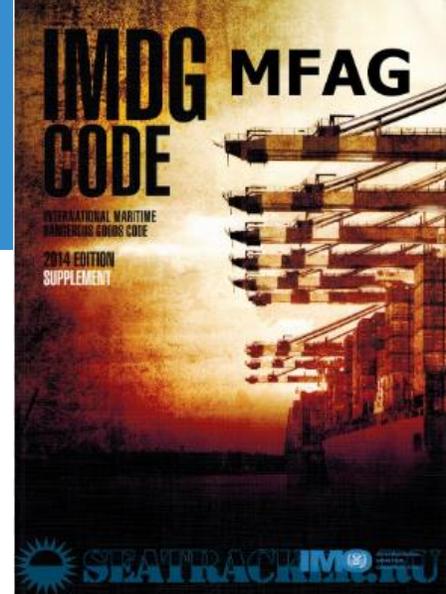
## Medical staff

Should be properly trained, have access to operational manuals and protocols, facilities for diagnosis and treatment, and the ability to notify the competent authority.



# WHO Regulatory Framework

- The **WHO Handbook for Ship Sanitation Inspection** is implemented under the **International Health Regulations (IHR, 2005)**,
- It is supported by IMO and ILO instruments, including the Maritime Labour Convention (MLC, 2006)
- IMO, International Convention on Standards, Certification and Watchkeeping for Seafarers
- **Key WHO reference documents:**
  - **International Medical Guide for Ships (IMGS)**
  - **Medical First Aid Guide for Dangerous Goods (MFAG)**

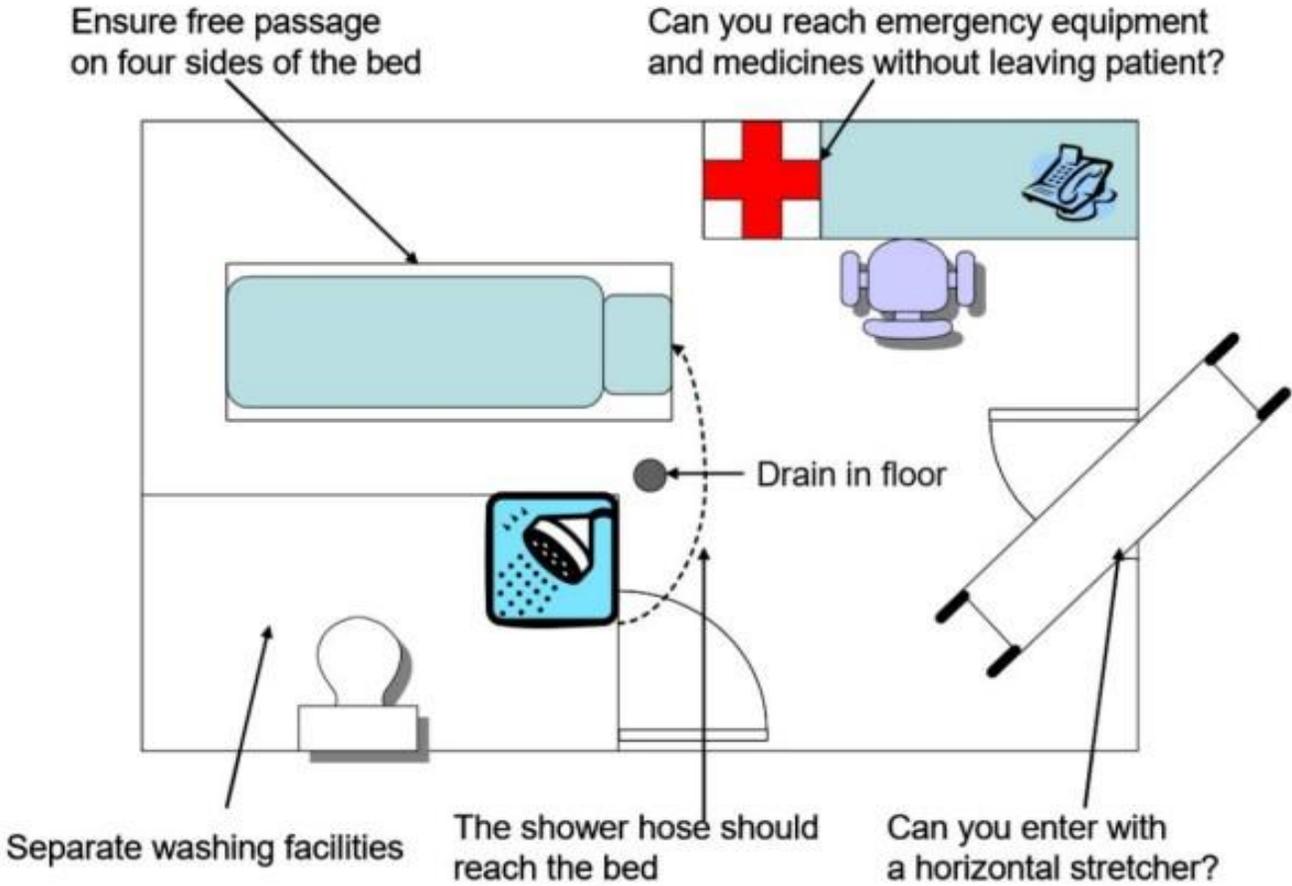


# Medical Facilities

- **Medical facilities must:**
  - Be easily accessible and separate from other activities
  - Facilitate private treatment of ill travelers
  - Be clean, well ventilated, and well lit
  - Provide adequate space for the isolation of travelers
  - Be properly maintained with potable water, and toilet and handwashing facilities
  - Not be used for other purposes



# Medical Facilities



# Medical supplies (Medicines and Medical Equipment)

- Supplies must include all medications,
- personal protective equipment, medical devices and disinfectants sufficient to diagnose, treat and control public health risks according to the ship's size, number of travelers and voyage patterns
- The supplies must meet the recommendations and requirements of the IMGS and MFAG as minimum



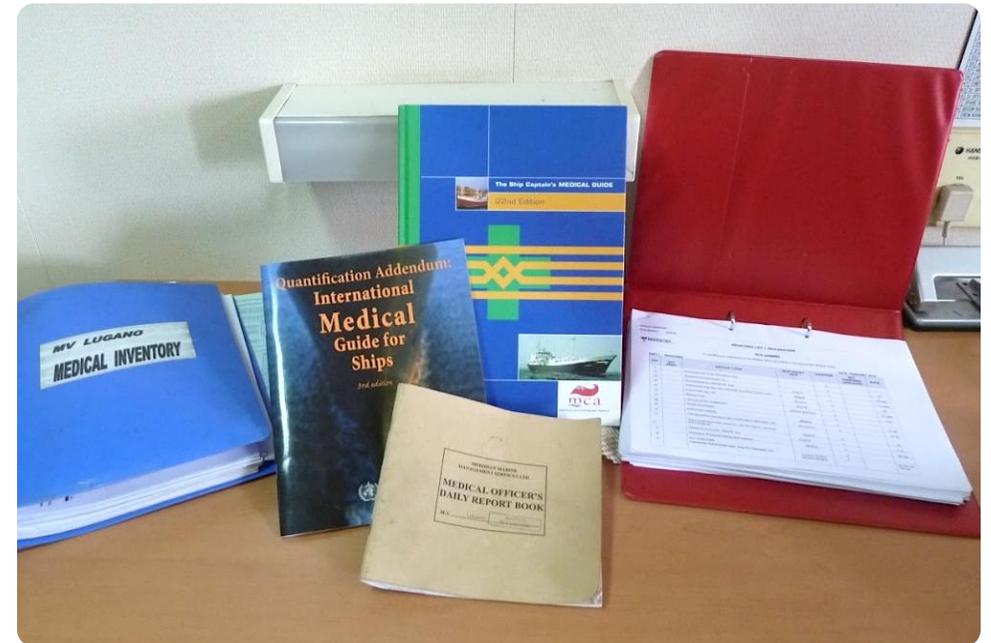
# Medical log & Communication

- Medical logs are essential for disease surveillance, investigations, and public health risk assessment (WHO).
- Records must be consistent with the Maritime Declaration of Health when required.
- Passenger ships may maintain additional disease-specific logs (e.g. gastrointestinal illness).
- Ships must ensure reliable communication, access to **Telemedical Assistance Services (TMAS)**; and prompt notification of authorities in case of public health risks.



# Specifics of Medical log

- A well organized, legible, and up-to-date. The medical log must list cases of illness, passengers and crew concerned, and any medications dispensed. Log entries should include:
  - First date of clinic visit; name, age, and sex of patient
  - Passenger or crew designation
  - Crew member position or job
  - Cabin number
  - Date and time of illness onset
  - Symptoms
  - Details of specimen collected or other action taken, if applicable



# Medical Waste

The management of medical waste on board ships is regulated by several international regulations and conventions IMO,WHO, including the MARPOL Convention (Annex V).

Management procedure for Medical Waste:

- **Separation and storage**
- **Labelling and identification**
- **On-board treatment **or** Disposal ashore**

Ships must have documented procedures for safe handling, storage, and disposal



# Category of Medical Waste cont...

- **Infectious waste** May contain infectious agents, hazardous chemicals, and sharps represents a direct health risk to crew, port workers and the environment, must be safely stored or sterilized and suitably packaged for ultimate disposal ashore.

**Sharps** must be collected in plastic autoclavable sharps containers and retained on board for ultimate disposal ashore.

**Liquid** health-care waste may be disposed of by discharging them into the sewage system.

- **Non-infectious** health-care waste may be disposed of as garbage if it does not require steam sterilizing or special handling.

# Medical Waste Management (continued)

## Facilities should have:

- Proper waste containers, bag holders, and visible segregation and identification waste at point of generation and minimize storage time on board
- Containers and bags should be removed when they are approximately **~ $\frac{3}{4}$  full**
- Infectious waste must be disposed in yellow bags/containers Rigid, puncture-proof and impermeable , **labeled “Highly infectious”** with biohazard symbol
- Pharmaceutical waste: store separately, return to authorized a shore Disposal
- Non-infectious waste: stored separately (usually black bags)
- Secure storage for medical waste required, separate from other waste



# Document Review

- **Ship's log and/or medical logbook**
- **Crew interviews if logs are missing or incomplete**
- **Maritime Declaration of Health (when required)**
- **Training records & certifications of medical personnel**
- **Lists of medicines, disinfectants, insecticides**
- **Cleaning, disinfection, maintenance, and waste procedures**
- **Disease surveillance logs (if applicable)**
- **Operational manuals for high-risk medical facilities/devices**
- **Specimens & test results from onboard disease events**
- **Vaccination/prophylaxis certificates (if available)**

# Handbook technical requirement

## Medical facilities Areas 5

5.1 Construction

5.2 Equipment

5.3 Medical chest

5.4 Cleaning and maintenance

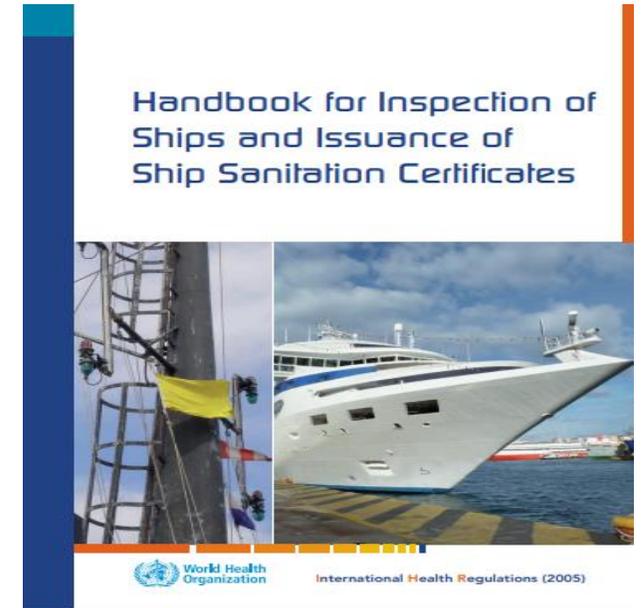
5.5 Training of crew members

5.6 Health information

5.7 Communication infrastructure

## Medical waste Areas 7

(7.1, 7.2, 7.3, 7.4, 7.5, 7.6, , 7.7, 7.8, 7.9)



# 5. MEDICAL FACILITIES

## 5.1. Construction

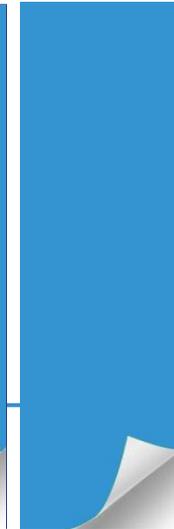


Code of areas

Inspection results?

Control measures / Corrective actions?

Required  
Recommended



# 5. MEDICAL FACILITIES

## 5.2. Equipment

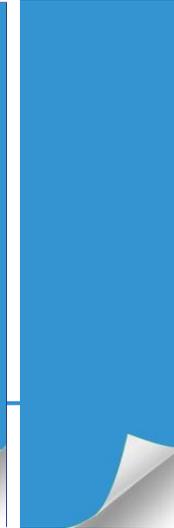


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# 5. MEDICAL FACILITIES

## 5.3. Medical Chest

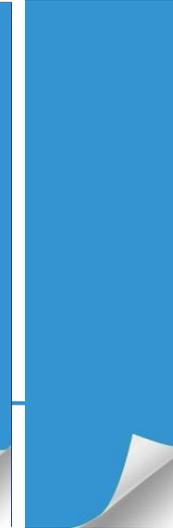
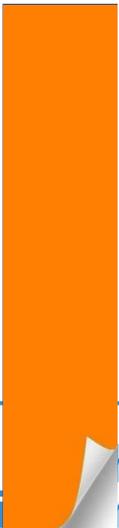


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THANK YOU