

# SHIP SANITATION CERTIFICATE PROGRAM COURSE

## Unit 1: Introduction to International Health Regulations

CIN: B-322-1100  
SEPTEMBER 2012

# Course Terminal Objectives

- 1.0 - **Describe** the requirements of the International Health Regulations
- 2.0 - **Explain** the Ship Sanitation Certificate Program
- 3.0 - **Identify** the elements of shipboard organization
- 4.0 - **Describe** the procedures to CONDUCT Shipboard Sanitation Certification and ISSUE appropriate certificates



# International Health Regulations (2005) Fleet Focus & Impacts

## Enabling Objectives:

- 1.1 **State** the purpose of the World Health Organization
- 1.2 **State** the purpose and scope of the International Health Regulations (IHR)
- 1.3 **Define** key IHR/SSCP terms
- 1.4 **List** the IHR Articles of Fleet Focus
- 1.5 **Compare** the two types of Ship Sanitation Certificates
- 1.6 **State** the Public Health Emergency of International Concern (PHEIC) decision criteria

# World Health Organization IHR (2005)



Image courtesy of World Health Organization (WHO)  
<http://www.who.int/ihr/en/index.html>

WHO's central and core responsibility has been the management of the global regime for control of the international spread of disease.



# IHR – Entry Into Force

- 194 WHO Member States : June 15, 2007
- U.S. entered: July 18, 2007
- All countries comply : 2012



U.S. Navy photo by Mass Communication Specialist 3rd Class Aaron Shelley

# International Health Regulations (2005)

## *Article 2 Purpose and Scope*

To prevent, protect against, control and provide a public health response to the international spread of disease in ways that are commensurate with and restricted to public health risks, and which avoid unnecessary interference with international traffic and trade.



# IHR Core Principles

1. Prevent, protect against, control and respond to the international spread of disease.
2. Avoid unnecessary interference with international traffic and trade.
3. Reduce the risk of disease spread at international airports, seaports and ground crossings.

# IHR Overview: Key Obligation for States

- Establish National IHR Focal Point (NFP)
- Strengthen the following core capacities for public health events:
  - Disease surveillance and reporting
  - Assessment and notification
  - Response
- Assess public health events using the decision instrument, and report potential PHEICs to WHO.
- Provide routine inspection and control activities to prevent international disease spread at designated airports, ports and ground crossings.
- Collaborate with other Member States and WHO concerning IHR implementation.



# Comparison of Public Health Strategies for IHR

IHR(1969)	IHR(2005)
Control at Borders	Control at borders And Containment at the source
List of Notifiable Diseases	All Public Health Threats (All Hazards)
Preset Measures	Adaptive Response

# IHR/SSCP Key Definitions

## Free Pratique - Permission for:

- a ship to enter a port, embark or disembark, discharge or load cargo or stores;
- an aircraft (after landing) to embark or disembark, discharge or load cargo or stores;
- a ground transport vehicle (upon arrival) to embark or disembark, discharge or load cargo or stores.



# IHR/SSCP Key Definitions

Public Health Risk - Likelihood of an event that may:

- Adversely affect health of human populations
- Spread internationally or
- Present a serious and direct danger.

# IHR/SSCP Key Definitions

## PHEIC

*Public Health Emergency of International Concern* –  
an extraordinary event determined:

- To constitute a public health risk to other States through the international spread of disease

and

- To potentially require a coordinated international response.



# IHR/SSCP Key Definitions

Ship : A seagoing or inland navigation vessel on an international voyage.

# Examples of CDC IHR Notifications to WHO

- *Clostridium botulinum* (2007) – Castleberry Chili.
- *Salmonella typhimurium* (2008 - 2009) – peanut outbreak.
- Measles (2007) – International Little League game.
- MDR-TB (2007 – 2008) – on international flights (3 events).
- Contaminated heparin products (2008).
- *Salmonella* serotype Saintpaul (2008) – linked to tomatoes and jalapeno peppers.



# IHR (2005)

## Articles of Fleet Focus

- Article 36: Certificate of vaccination or other prophylaxis – provided by ship.
- Article 37: Maritime Declaration of Health – provided by ship.
- Article 39 : Ship Sanitation Certificates.

# Certificate of Vaccination or Other Prophylaxis

## Article 36:

- No health documents required other than ones specified in IHR.
- Annex 6  
Vaccination, Prophylaxis and Related Certificates.
- Annex 7  
Requirements Concerning Vaccinations or Prophylaxis for specific diseases.



Photo Courtesy of James Gathany/Centers for Disease Control and Prevention (CDC)



# Article 37 Maritime Declaration of Health

## Port Authority

- May dispense with submission of Declaration (Free Pratique)
- May require submission signed by Captain or Master and countersigned by the Ship MDR
- Located on BUMED Form Webpage

US Navy Declaration of Health			
To be completed and submitted to the competent authority by the Captain of the ship entering a foreign port.			
PORT NAME:			DATE (DD MMM YYYY):
SHIP NAME:	HULL NUMBER:	GROSS TONNAGE:	ARRIVING FROM:
NATIONALITY:		CAPTAIN'S NAME:	
Valid Sanitation Control Exemption / Control Certificate on Board? <input type="checkbox"/> YES <input type="checkbox"/> NO		ISSUED AT	DATE (DD MMM YYYY):
Is Re-Inspection Required? <input type="checkbox"/> YES <input type="checkbox"/> NO			
Has ship / vessel visited an affected area identified by the World Health Organization? <input type="checkbox"/> YES <input type="checkbox"/> NO		PORT NAME:	DATE OF VISIT (DD MMM YYYY):
List ports of call from commencement of voyage with dates of departure, or within past 30 days, whichever is shorter:		PORT NAME:	DEPARTURE DATE:
NUMBER OF CREW ON BOARD:		NUMBER OF PERSONS OTHER THAN CREW ON BOARD:	
<b>HEALTH QUESTIONS</b>			
1. Has any person died on board during the voyage other than as a result of accident? If yes, state particulars in attached schedule.			<input type="checkbox"/> YES <input type="checkbox"/> NO
Total Number of Deaths: _____			
2. Is there on board or has there been during the international voyage any case of disease which you suspect to be of a reportable infectious nature (e.g., Medical Event Report submitted)? If yes, state particulars in attached schedule.			<input type="checkbox"/> YES <input type="checkbox"/> NO
3. Has the total number of ill persons during the voyage been greater than normal / expected? Total Number of ill persons? _____			<input type="checkbox"/> YES <input type="checkbox"/> NO
4. Is there any ill person on board now? If yes, state particulars in attached schedule.			<input type="checkbox"/> YES <input type="checkbox"/> NO
5. Was a medical practitioner consulted? If yes, state particulars of medical treatments or advice provided in attached schedule.			<input type="checkbox"/> YES <input type="checkbox"/> NO
6. Are you aware of any condition on board which may lead to infection or spread of disease? If yes, state particulars in attached schedule.			<input type="checkbox"/> YES <input type="checkbox"/> NO
7. Has any sanitary measures (e.g., quarantine, isolation, disinfection or decontamination) been applied on board? If yes, specify type, place and date:			<input type="checkbox"/> YES <input type="checkbox"/> NO
8. Have any stowaways been found on board? If yes, where did they join the ship (if known):			<input type="checkbox"/> YES <input type="checkbox"/> NO
NOTE: In the absence of a surgeon, the Captain/Master should regard the following symptoms as grounds for suspecting the existence of a disease of an infectious nature:			
a. fever, persisting for several days or accompanied by (1) prostration; (2) decreased consciousness; (3) glandular swelling; (4) jaundice; (5) cough or shortness of breath; (6) unusual bleeding; or (7) paralysis.			
b. with or without fever: (1) any acute skin rash or eruption; (2) severe vomiting (other than sea sickness); (3) severe diarrhea; or (4) recurrent convulsions.			
I hereby declare that the particulars and answers to the questions given in this Declaration of Health (including the schedule) are true and correct to the best of my knowledge and belief.			
CAPTAIN NAME:		SENIOR MEDICAL DEPT. REP. (When Applicable):	
CAPTAIN SIGNATURE:	DATE (DD MMM YYYY):	SENIOR MEDICAL DEPT. REP. SIGNATURE:	DATE (DD MMM YYYY):
NAVMED 6210/3 (11-2007)			

# Article 39 – Ship Sanitation Certificates

## Ship Sanitation Control Exemption Certificate

- Issued when **no PHEIC** found
- Valid for six months
- May be renewed once for one month

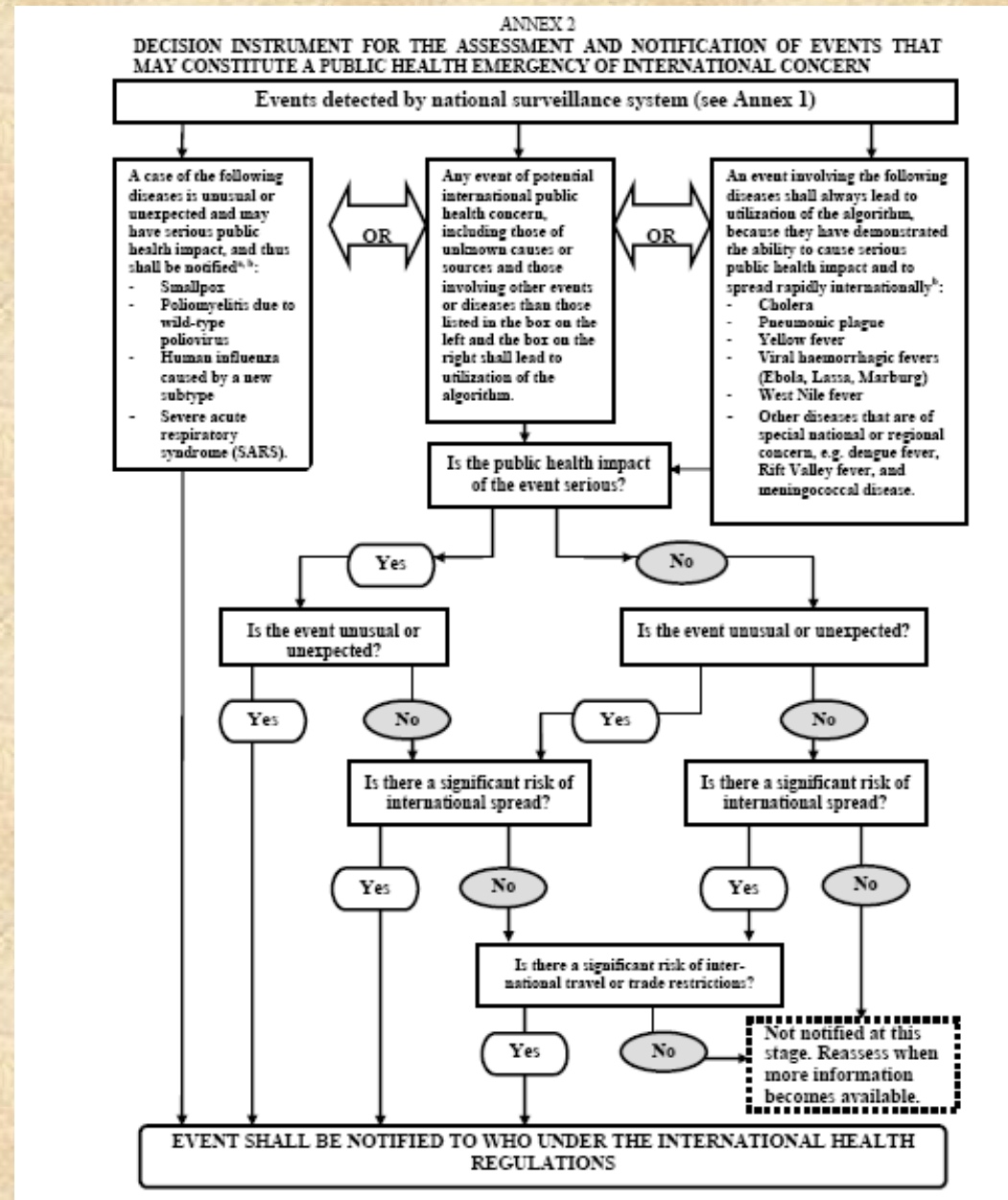
## Ship Sanitation Control Certificate

- Issued when **PHEIC** found
- Valid for six months
- May be renewed once for one month



# PHEIC Determination (IHR Annex 2)

\* See handout for a complete set of decision instrument/algorithm questions.



# PHEIC Events Requiring Notification

Any event involving one or more cases of four specific diseases:

- Smallpox
- Poliomyelitis due to wild-type poliovirus
- Human influenza (new subtype)
- SARS

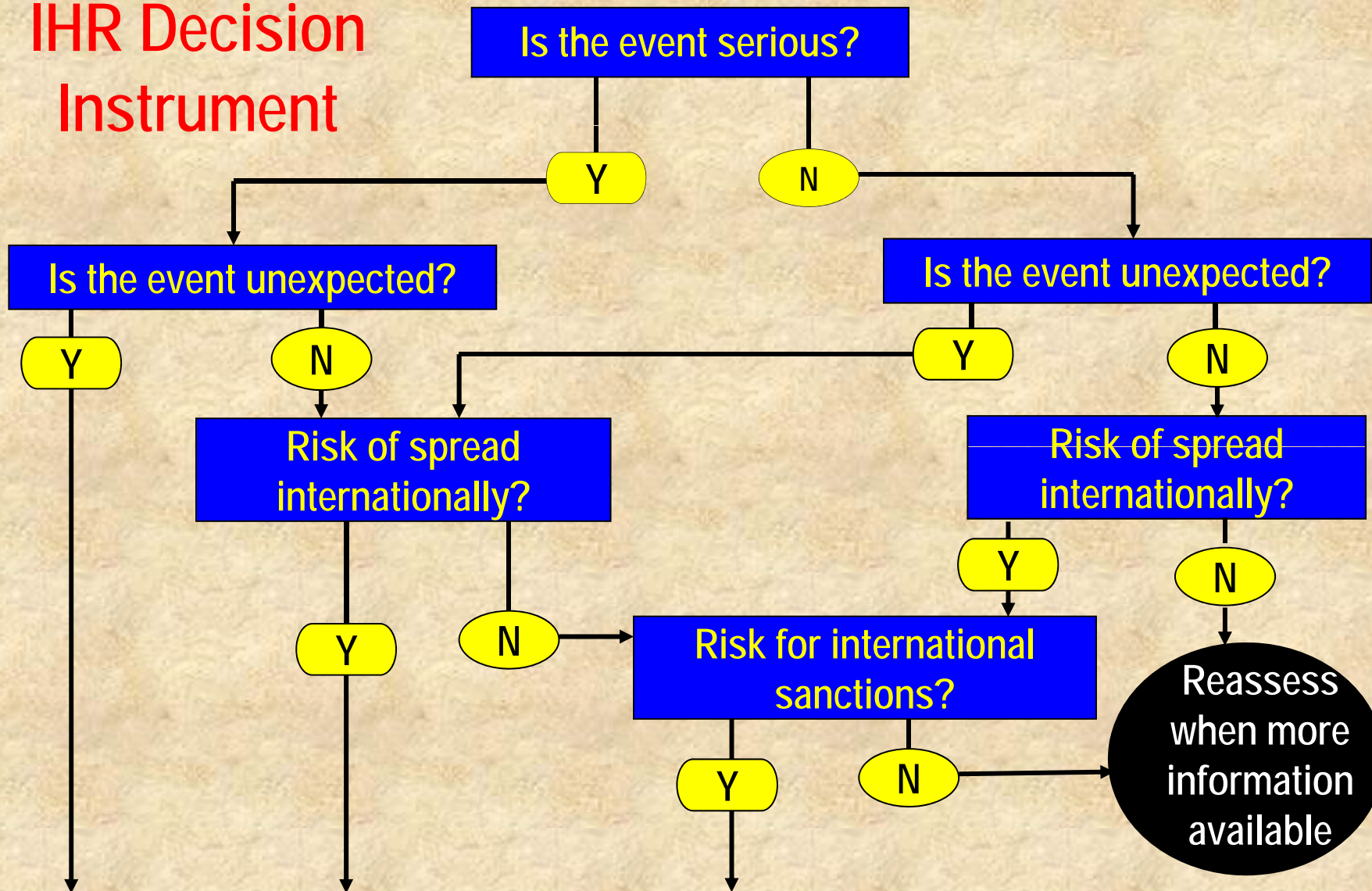


# PHEIC Events Requiring Notification (IHR Annex 2)

All events that fulfill any two of four situational public health criteria specified below:

- Is the public health impact of the event serious?
- Is the event unusual or unexpected?
- Is there any significant risk of international spread?
- Is there any significant risk of international travel or trade restrictions?

# IHR Decision Instrument



Notify the event under the International Health Regulations



# Summary and Review

- Purpose of the World Health Organization
- Purpose and scope of the International Health Regulations (IHR)
- Key IHR/SSCP terms
- IHR Articles of Fleet Focus
- Types of Ship Sanitation Certificates
- PHEIC decision criteria