



Quarantine of International Port in Taiwan

**Fifth Branch, Centers for Disease Control,
Department of Health, Executive Yuan**

Director of Fifth Branch

Chang Chaoching

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Outline

- **Background**
- **Quarantine Stations in Taiwan**
- **the Quarantine of International Ports**
 - Passenger Quarantine
 - Ship Sanitation
 - Conveyance Quarantine
 - Port Health



Background

- **Public health risks that can spread internationally at airports, ports and ground crossings through persons, baggage, cargo, containers, conveyances, goods and postal parcels**
- **The IHR (2005) provide a public health response in the form of obligations and standing or temporary non-binding recommendations in ways that avoid unnecessary interference with international travel and trade.**



Quarantine Stations in Taiwan

CDC 1st Branch

CDC 2nd Branch

CDC 3rd Branch

CDC 4th Branch

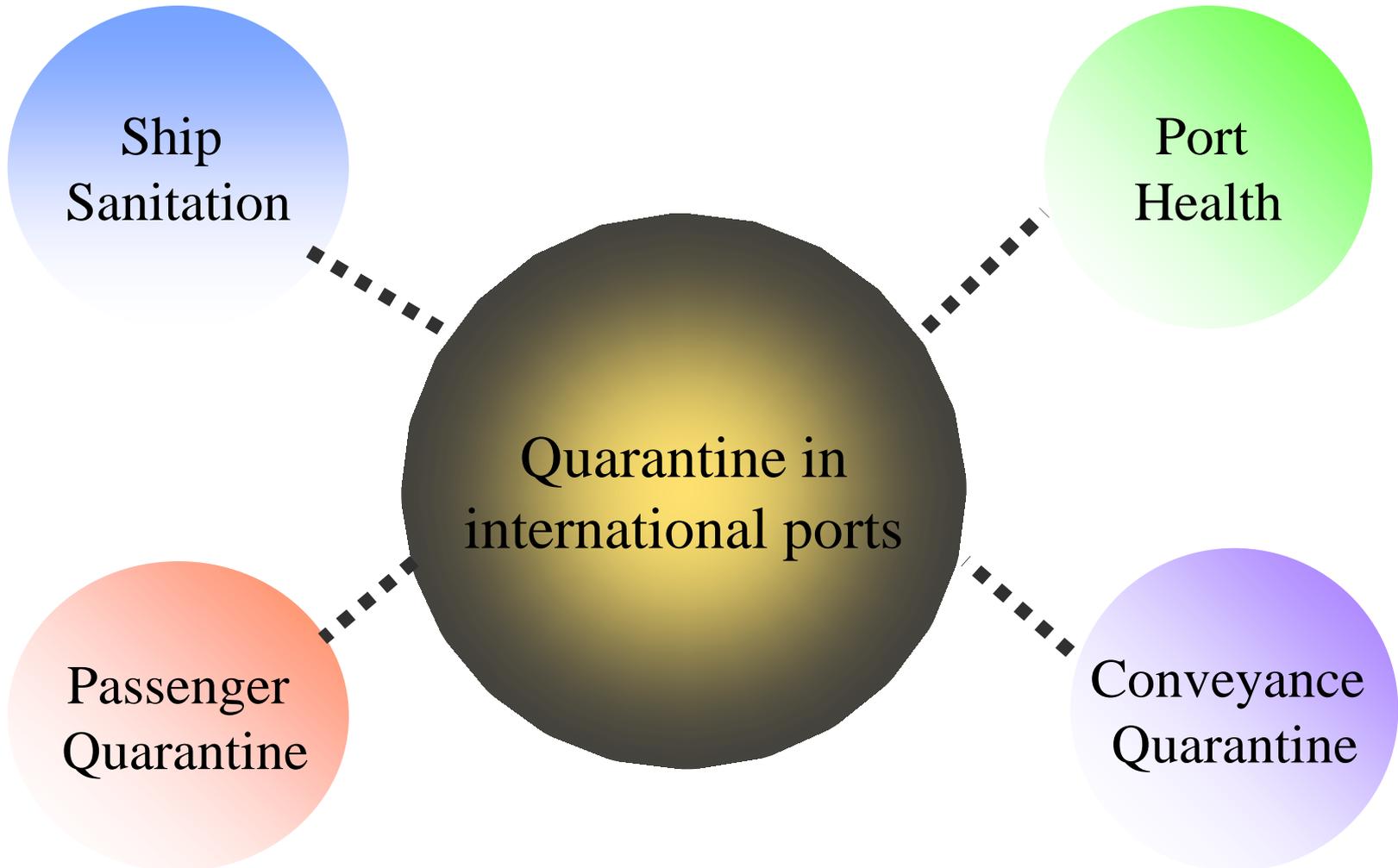
CDC 5th Branch

CDC 6th Branch





Quarantine Services





Conveyance Quarantine



Quarantine by review

- **Quarantine rules of international port**
 - Within **4 to 72 hours** prior to arrival, shipmasters of entering the country shall report the matters related ship sanitation requested for review to the quarantine authorities
 - Through ship companies or agents



On-board Quarantine

- **Scenarios to enforce On-board Quarantine**
 - An inbound ship did not turn in documents
 - Failed to meet the quarantine requirements
 - A passenger/crew was suspected of carrying a communicable disease
 - Abnormal death of animals
 - Suspected patient or death on ship

Conveyance Quarantine

- **Ship Quarantine**
 - Quarantine by reviewing
 - On-board quarantine
 - Employing ISO 9001 review at international ports



Conveyance Quarantine

- **Aircraft Quarantine**
- Report to Quarantine
Authority about :
 - ✓ Detection of deaths due to unknown causes
 - ✓ Cases infected with communicable disease
 - ✓ Suspected communicable diseases on the journey



Aircraft disinfection





Passenger Quarantine



Passenger Quarantine

■ Strategies

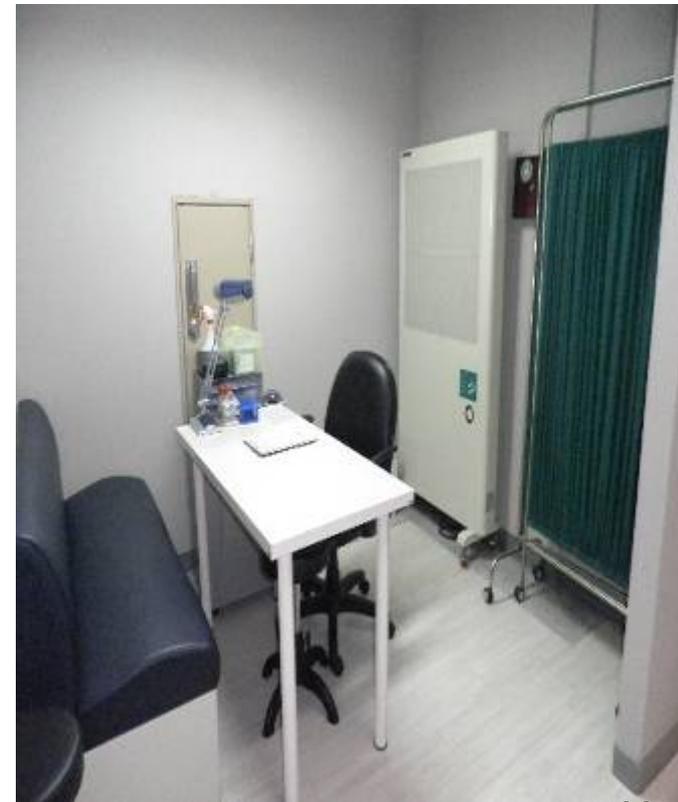
- Fever screening at entry points
- Self-report of ill travelers
- Visual examination for travelers
- Provision of global epidemic information and tips of prevention

Fever Screening at Entry Points



Responding to reports of ill passengers

- Depending on the severity of the symptoms and travel history
- Onsite-collecting specimens if needed
- Checked by local health authorities if needed



Provision of Global Epidemic Information and Tips of Prevention

- Posters
- Pamphlet
- Health alert card



Health Alert Card

During your stay abroad, please avoid insect bites and bird contact and also observe good personal hygiene. Upon arrival, if you develop symptoms such as Fever, respiratory illness, vomiting, diarrhea, muscle and bone aches, rash, swollen lymph nodes etc., please consult quarantine officer at the airport. If symptoms develop after you return home, please take precaution and seek medical assistance and inform the doctor of your recent travel and contact history. For more information, please dial Taiwan CDC hotline 1922 or contact the local health authorities.

 Centers for Disease Control
<http://www.cdc.gov.tw>



Ship Sanitation



Areas Inspected of Ship Sanitation

- Galley
- Pantry
- Stores
- Hold(s)/cargo
- Quarters
- Potable water
- Sewage
- Ballast tanks
- Solid and medical waste
- Engine room
- Medical facilities
- Food
- Water
- Waste
- Standing water
- Swimming pools/spas



Ship Sanitation

■ Ship Sanitation Control Exemption Certificates (SSCEC)

- No evidence of a public health risk is found on board.

■ Ship Sanitation Control Certificate (SSCC)

- Evidence of a public health risk is found on board.
- The competent authority supervises the completion of the necessary control measures



Failures of Ship Sanitation

- **Vectors and rodents in ship**
 - cockroaches, flies, rodents
- **Poor shipboard sanitation**
 - garbage, oil, dirt, food storage areas unclear, puddles of board, residue and dust
- **Threats to food safety**
 - food storage found residue , temperature control , kitchenware, cook's personal hygiene
- **Inadequate measures for preventing insects and rodents**
 - no rat guard, poor door and window controls

Ship Sanitation



Galley



Pass



Failure

Make sure lid of trash can is put on



Issued the Ship Sanitation Control Exemption Certificate (SSCEC)



Excellent!



Port Health

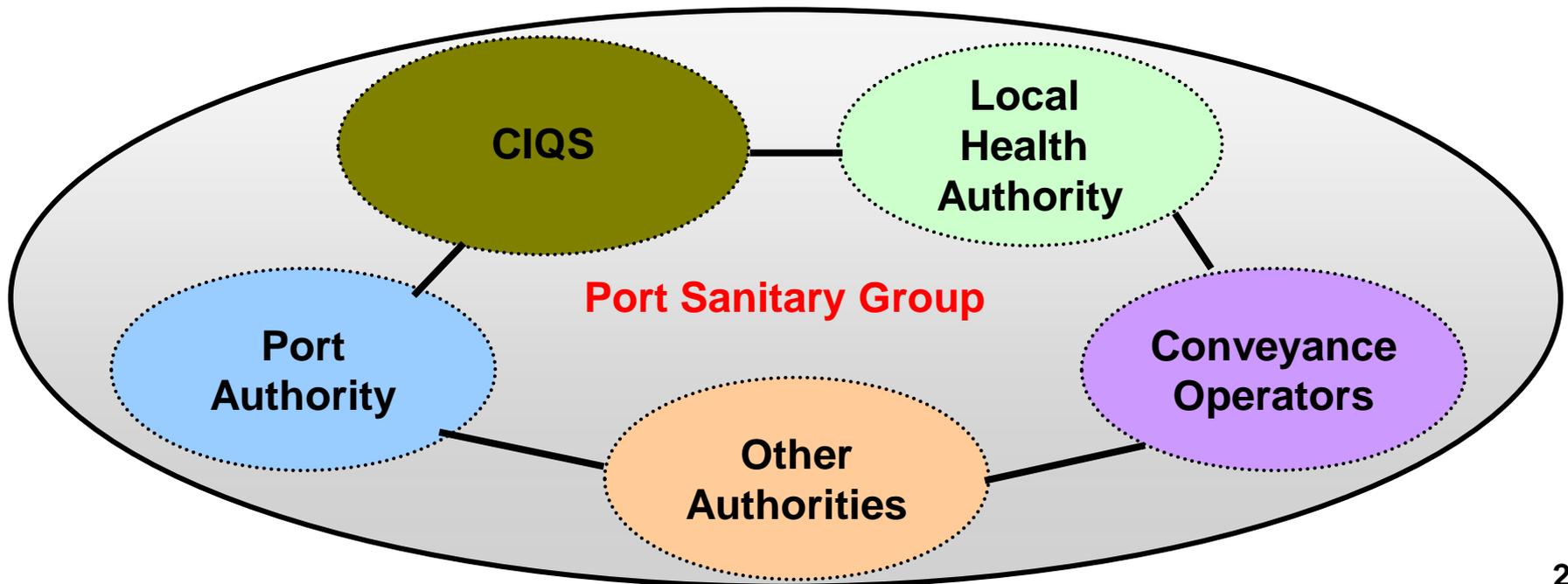


Port Health

- Organizing the international port sanitary group
- Surveillance of vectors

■ Organizing the international port sanitary group

- Meet once every 3 to 6 months.
- Plan, coordinate, and implement matters concerning port sanitation.



Rat-guard Inspection



Surveillance and control of rats



- Monitoring the ectoparasites and virus on rats
- Placing poisoned bait around the living area of rats
- Rat guard inspection

Set mouse cages, anesthetize, draw blood, Examine ectoparasites



Surveillance and control of mosquitoes

- Empty containers that are prone to retain water
- Setting ovitraps
- Surveying mosquito density





*Thank you for
your attention!*