Surveillance and Response to Imported Infectious Disease

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CENTERS FOR DISEASE CONTROL & PREVENTION
Division of Global Migration and Quarantine (DGMQ)
Division of Global Migration and Quarantine

- Administration Team
- Office of Policy, Preparedness & Emergency Response
- Travelers’ Health
- Geographic Medicine & Health Promotion Branch
- Immigrant Refugee & Migrant Health Branch
- Quarantine & Border Health Services Branch

Quarantine Stations
8 in 2004
20 in 2007

Africa and Americas Region
- Migration and Health Strategy
- Asia & European Region
Our Mission

… To protect the health of the public from communicable diseases through science, partnerships, and response at U.S. ports
Accomplishing Our Mission (42 CFR Parts 70 and 71)

- Regulate importations
- Process migrant documentation
- Respond to notification of illness in international travelers
Quarantine Diseases
Executive Order of the President 13295

• CHOLERA
• DIPHTHERIA
• INFECTIOUS TB
• PLAGUE
• SMALLPOX
• YELLOW FEVER
• VIRAL HEMORRHAGIC FEVERS
• SARS
• NOVEL OR RE-EMERGENT INFLUENZA
Definitions

• **Isolation:**
  – Separation of ill persons with contagious disease
  – Often in a hospital setting
  – Applied to individual or group level
Definitions (cont.)

- Quarantine
  - Restriction of well persons presumed exposed
  - Applied at the individual or community level

- May be voluntary or mandatory
Responding to Illness

• Passive surveillance:

• We wait for notification of illness from:
  – Airline / vessel pilots
  – Federal partners
  – Police, fire, EMTs
  – Health departments
  – Family, work colleagues
Responding to Illness (cont.)

• Active surveillance:

• We wait at arrival of each conveyance and visually examine each traveler
  – Interview those who are ill
  – Continue to respond to reports of illness
Responding to Illness (cont.)

Evaluation of ill person:

- Identify symptoms and travel itinerary
- Determine if ill person should be isolated and further evaluated
- Identify potentially exposed travelers
Symptoms of Interest

- Fever (> 100 °F)
- Rash (smallpox, measles, etc.)
- Severe diarrhea (cholera)
- Glandular swelling (plague)
- Jaundice (yellow fever)
- Stiff neck (meningitis)
- Unusual bleeding (viral hemorrhagic fevers)
- Respiratory distress (SARS, pan flu)
Notification

• DGMQ notifies state and local health authorities if ill travelers sent to hospital

• DGMQ identifies all travelers potentially exposed to the ill passenger
Online Resources

• Division of Global Migration and Quarantine:
  www.cdc.gov/ncidod/dq/index.htm

• Centers For Disease Control and Prevention:
  www.cdc.gov
DGMQ Staff in Detroit

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