

CDC Quarantine and EMS Training and Education Activities

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Centers for Disease Control and Prevention (CDC)



Overview

- Introduction to DGMQ
- Quarantine Training & Education Team
- Needs Assessment Project
- Training & Materials
- Round Table Discussions



Quarantine and Border Health Services Branch Mission



To protect the health of the public from communicable diseases through science, partnerships, and response at U.S. ports



CDC Quarantine Stations' Functions

- Respond to reports of illnesses on maritime vessels (cruise, cargo), airplanes, and at land crossings
- Form partnerships for disease surveillance and control
- Plan and prepare for emergency response
- Inspect animal and human products posing threat to human health



CDC Quarantine Stations' Functions

- Monitor health, and collect, distribute, and manage medical information of new immigrants, refugees, and parolees
- Inspect cargo and hand-carried items for potential vectors of human infectious diseases
- Distribute life-saving immunobiologics and investigational drugs
- Provide travelers with essential health information
- Respond to mass migration emergencies

Travel Health Alert Notice: Measles

To the traveler: You may have been exposed to measles while traveling. Measles is a highly contagious illness transmitted through the air when infected people cough or sneeze.

Symptoms: If you have a fever AND a red, raised rash that usually starts on the face and spreads to the arms, legs, and body; a cough; runny nose; or red eyes —

- Contact your doctor right away; tell your doctor that you were exposed to measles during your trip and arrange to be seen.
- Show your doctor this card.
- Limit your contact with other people.
- Do not travel, unless you are traveling locally for medical care.
- Cover your nose and mouth with a tissue when you cough or sneeze.
- Wash your hands often, especially after coughing or sneezing.



You are most likely protected if you

- have had measles,
- were born in the United States before 1957, or
- have had 2 doses of measles or MMR vaccine.

If not protected, people at higher risk for serious infection are

- pregnant women,
- persons who have a health condition or medical treatment that affects their immune system.

See "To the doctor" on the other side...



SAFER • HEALTHIER • PEOPLE™

CDC Quarantine Stations 2007 Jurisdictions



Responding to an Ill Traveler on an International Conveyance



The captain of a plane, ship, or other conveyance is required by federal law to report any illness or death on board to the quarantine station prior to arrival at the port of entry

Goal of CDC staff: Determine public health risk



Definition of Ill Person

(42 Code of Federal Regulations Part 71)

Applies to all travelers: crew and passengers;
U.S. citizens and non-U.S. citizens

- Fever $\geq 100^{\circ}\text{F}$ persisting for >48 hours

OR

- Fever and certain other symptoms:
 - Fever $\geq 100^{\circ}\text{F}$ AND rash, **or**
 - Fever $\geq 100^{\circ}\text{F}$ AND swollen glands, **or**
 - Fever $\geq 100^{\circ}\text{F}$ AND jaundice

OR

- Severe diarrhea (with or without fever)

CDC Notification and Response Protocol

1. Notification

- EMS or other port partner(s) notify CDC of ill passenger
- CDC shares notification with EMS

2. Response

- *On site:* CDC quarantine station staff board conveyance with EMS and conduct a public health assessment
- *If not on site:* Quarantine staff obtain the EMS assessment and communicate by phone





EMS Role in Illness Surveillance and Response

- Notification
- Assist CDC on site and by phone to assess public health risk
- Assist with transport



Quarantine Training & Education Team (QTET)

Provides training, education, and communication support and expertise for Quarantine & Border Health Services Branch staff and partners



Overview of Systematic Approach to Health Education

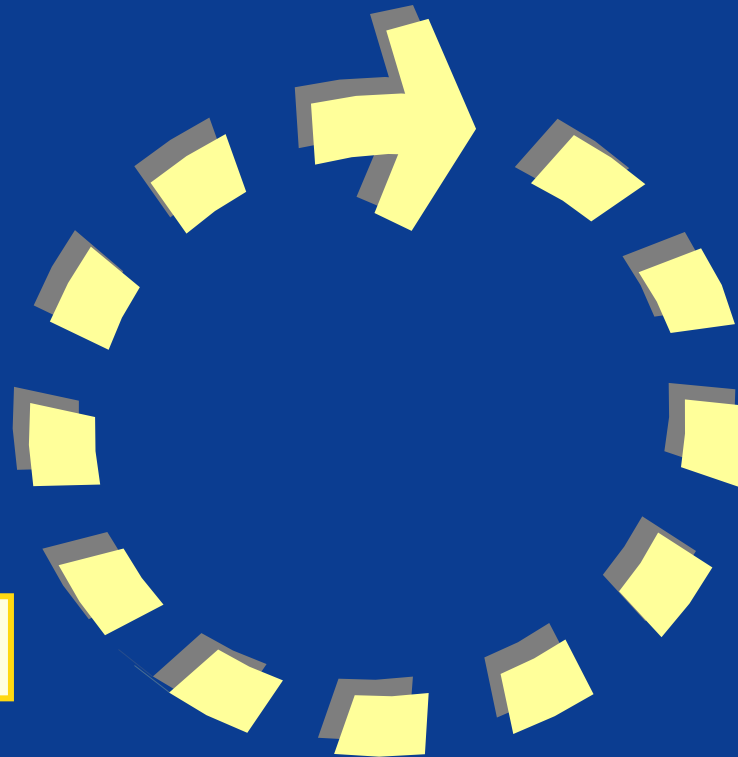
**Needs
Assessment**

Evaluation

Development

Implementation

Pilot-testing





Goals of Needs Assessment Project

- **Build and strengthen relationships with key partners at ports of entry**
- **Develop appropriate training and education content and communication messages**
- **Deliver through preferred and effective formats**



Partners (and Audience)

- U.S. Customs and Border Protection (CBP)
- Airlines
- Cruise lines
- **EMS**
- Customs Brokers
- Border Patrol
- U.S. Department of Agriculture (USDA)
- U.S. Fish & Wildlife
- U.S. Transportation Security Administration (TSA)





Needs Assessment Topics

- **Knowledge, attitudes, and beliefs related to**
 - **Health issues**
 - **Public health roles**
- **Barriers to fulfilling public health role**
- **Current training related to public health issues**
- **Topics for which staff want training**



Needs Assessment Topics, *cont.*

- Preferred formats for timely and effective communications
- Preferred formats for training
 - Methods used
 - Frequency
- Opportunities to work together





Roundtable Discussions

EMS & CDC Collaborative Meeting

- 70 participants from EMS and CDC
- Presentations and roundtable discussions
- Purpose
 - Strengthen the partnership between CDC and EMS
 - Identify ways to improve reporting of illnesses to CDC
 - Identify opportunities to collaborate in training and education
 - Identify opportunities for sharing data



Roundtable Discussions

Aircraft Rescue Firefighting Working Group Annual Meeting

- ~200 attendees from airports around the world
- CDC presentation
- Roundtable discussions with 10 attendees from international airports





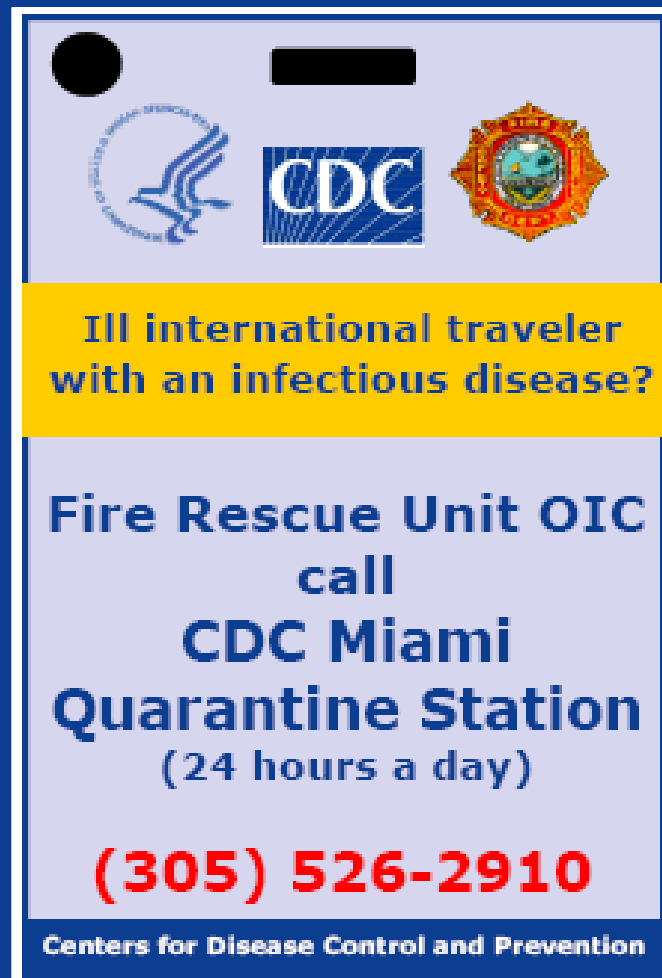
Training & Materials

Draft EMS Public Health Card




- In development
- Size of ID card
- Consultation with Miami-Dade Fire Rescue
 - Need for quick assessment of communicable diseases
 - Need to know triggers for contacting CDC Quarantine Station
 - Need 24-hour contact telephone number

Training & Materials

Draft EMS Public Health Card



The front of the card features three logos at the top: the Florida Department of Health logo, the CDC logo, and the Fire Rescue Unit logo. Below the logos is a yellow banner with the text "Ill international traveler with an infectious disease?". The main body of the card is white with blue text, providing contact information for the Fire Rescue Unit OIC and the CDC Miami Quarantine Station. At the bottom, there is a red phone number and the CDC logo.

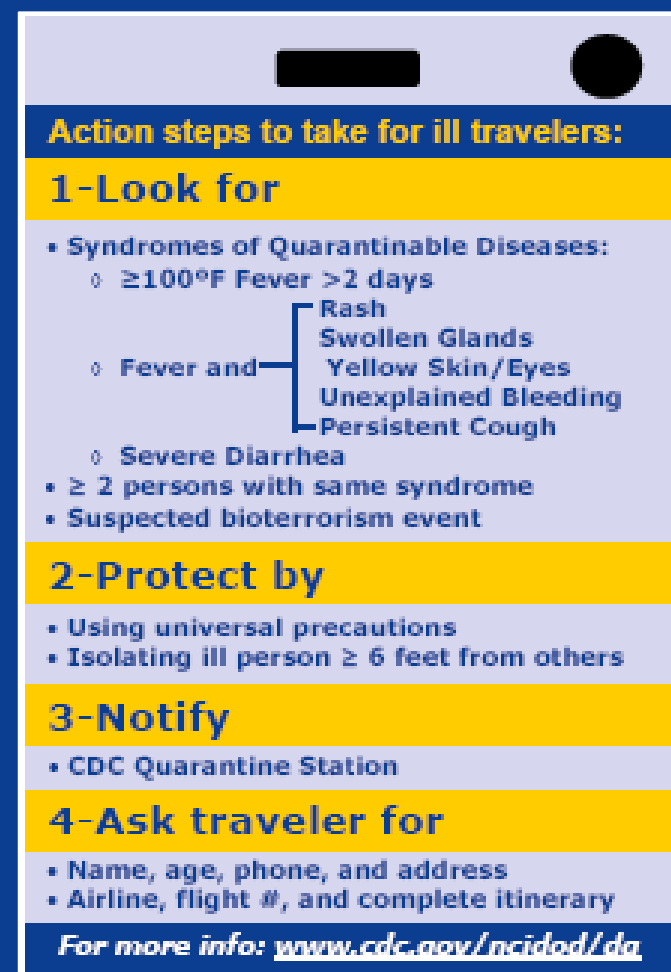
**Ill international traveler
with an infectious disease?**

**Fire Rescue Unit OIC
call
CDC Miami
Quarantine Station
(24 hours a day)**

(305) 526-2910

Centers for Disease Control and Prevention

Front



The back of the card is white with blue and yellow text. It is divided into four sections: "Action steps to take for ill travelers:", "1-Look for", "2-Protect by", and "3-Notify". The "1-Look for" section includes a list of syndromes and symptoms, with a bracket grouping "Rash", "Swollen Glands", "Yellow Skin/Eyes", and "Unexplained Bleeding". The "2-Protect by" section includes "Using universal precautions" and "Isolating ill person ≥ 6 feet from others". The "3-Notify" section includes "CDC Quarantine Station". The "4-Ask traveler for" section includes "Name, age, phone, and address" and "Airline, flight #, and complete itinerary". At the bottom, there is a red banner with the text "For more info: www.cdc.gov/ncidod/dz".

Action steps to take for ill travelers:

1-Look for

- Syndromes of Quarantinable Diseases:
 - ≥100°F Fever >2 days
 - Fever and

}	Rash
	Swollen Glands
	Yellow Skin/Eyes
	Unexplained Bleeding
 - Severe Diarrhea
- ≥ 2 persons with same syndrome
- Suspected bioterrorism event

2-Protect by

- Using universal precautions
- Isolating ill person ≥ 6 feet from others

3-Notify

- CDC Quarantine Station

4-Ask traveler for

- Name, age, phone, and address
- Airline, flight #, and complete itinerary

For more info: www.cdc.gov/ncidod/dz

Back

Roundtable Discussion Results

- Identified needs for
 - **Clear protocols** for responses to public health situations
 - **Job aids** to support protocols
 - Include algorithms and diagrams
 - Use sticker format instead of card
 - **Training and education** (signs and symptoms)
 - **Active outreach** by Quarantine Stations
- Training opportunities = conferences and certification programs
- State Medical Director plays pivotal role

Summary

- **The EMS partnership with CDC Quarantine Stations is essential for communicable disease surveillance and control**
- **CDC wants to work with EMS to help develop appropriate training and find opportunities for collaboration**



Questions?

