Challenges for Whom?

• Perspective of a government public health agency

• Unchartered territory in a humanitarian crises

• CDC Mission
  ▪ CDC is coordinating with the U.S. government, health ministries of the affected countries, WHO, Médecins Sans Frontières and other domestic, regional, and international partners to provide epidemiologic, health communication, laboratory, infection control, and emergency management support to interrupt and mitigate current Ebola virus transmission.
Global Migration Task Force

• **Addressing Aviation Concerns**
  - Working with domestic and international partners
  - Enhancing detection of and response to ill travelers entering the United States

• **Educating travelers**

• **Ebola Response in West Africa**
  - Technical assistance for exit screening
  - Development of reporting tools

• **Activities in the U.S.**
  - Enhanced entry screening
  - Guidance for monitoring and movement of potentially exposed people
  - Response to ill travelers
  - Airplane contact investigations
Challenges

• How do we communicate?

• What is the situation?

• Are airlines prepared to identify and report ill passengers?

• What are the standard reference materials?

• How can systems be implemented and sustainable?
How do we communicate?

• With the aviation industry
• About the aviation industry
• With each other: government or public health agencies
• With the public
Ebola Information for Travelers
Travel notices, infographics, and more
www.cdc.gov/travel/diseases/ebola
U.S. Travelers to West Africa

- CDC has issued a Warning, Level 3 travel notice for 3 countries
  - U.S. citizens should avoid nonessential travel to Guinea, Liberia, and Sierra Leone
- If you travel to Guinea, Liberia, or Sierra Leone, pay attention to your health after you return
  - Even if you weren’t exposed, monitor your health for 21 days if you were in an area with an Ebola outbreak
  - Seek medical care immediately if you develop fever, severe headache, muscle pain, fatigue, vomiting, diarrhea, stomach pain, or unexplained bleeding or bruising
  - Call in advance to tell the doctor about your recent travel before going to the office or emergency room
Addressing Aviation Concerns

- Ebola airline webcast available online for on-demand viewing
- Weekly discussions with international partners
  - WHO, ICAO, IATA, ACI
- Ongoing discussions with airlines
What is the situation?

- Who is flying?
- Status of NOTAMS?
- Who is doing entry screening?
- Who is doing exit screening?
- What is the quality of entry screening?
- What are the implications for airline crew and travelers?
- How can ill persons or persons with Ebola be evacuated from a country?
Are airlines prepared to identify and report passengers?

• Developed training aids for industry
• This was actually revisited for MERS in 2014 and so we had engaged partners and developed materials for this
• Developed web guidance
Ill Travelers: Detection and Response

Based on routine guidance:
• Management of ill travelers
• Infection control precautions
• Reporting to CDC
Reporting Tools

• Reporting tools for cabin crew and pilots
  - Online
  - Responsive design for mobiles and tablets

• RING cards

• Slides on how to use these
What are the standard reference materials?

• What should a Traveler Health Declaration look like/consist of?
• What does and exit screening program entail?
• What are the essential components that can be adapted and adopted by a government?
TRAVELLER PUBLIC HEALTH DECLARATION

Please complete this form. The information is being collected as part of the public health response to the outbreaks of Ebola in West Africa. The information will be used by public health authorities in accordance with applicable national laws.

Traveller Information:
Flight/ship/train/ground vehicle number/name: ..........................................................
Last (family) name: .................................................. First (given) name: .................................
Passport country: ..................................................... Passport number: ....................................
Arrival date: Day........ Month........ Year....... Birth date: Day........ Month........ Year........
Sex: Male........ Female........
E-mail address: ....................................................
Telephone number (include country code or country name): ..................................................
Home address: ....................................................................................................................
Address for next 21 days: .....................................................................................................

Public Health Information:
Today or in the past 48 hours, have you had any of the following symptoms? Yes | No
a. Fever (38°C / 100°F or higher), feeling feverish, or having chills?

b. Vomiting or diarrhea?

c. Severe headaches or body aches?

d. Unexplained bruising or bleeding?

In the past 21 days, have you done any of the following? Yes | No

e. Lived in the same household or had other contact (e.g. friends, relatives) with a person sick with Ebola?

f. Worked in a health care facility treating Ebola patients or a laboratory analysing Ebola specimens, or touched a dead body in a country with an Ebola outbreak, without using personal protective equipment?

Countries Visited:
List all countries where you have been in the past 21 days (including airport and port transits and where you live). List the most recent country first (where you boarded). If you need more space, please use the back of the page.
1. ................................................................. 4. .................................................................
2. .................................................................
3. .................................................................
U.S. Traveler Health Declaration

**DHS should complete this form for EACH traveler.**

The information is being collected as part of the public health response to the outbreaks of Ebola. The information will be used by U.S. public health authorities and other international, federal, state, or local agencies for that purpose. The legal authorities for this collection are sections 311 and 361-365 of the Public Health Service Act.

**NOTE:** While cooperation with CDC during this proposed risk assessment is voluntary, if an individual refuses to provide the requested information, or is not truthful about the information provided during screening or an illness investigation, CDC may, if it is reasonably believed that the individual is infected with or has been exposed to Ebola, quarantine, isolate, or place the individual under surveillance under 42 CFR 71.32 and 71.33.

**Traveler’s Information:**

| Ebola outbreak countries in last 21 days: | Departure from outbreak country: ___/___/___ (MM/DD/YY) |
| Last (family) name: | First (given) name: |
| Passport country: | Passport number: |
| Birth date: ___/___/___ (MM/DD/YY) | Sex: Male ☐ Female ☐ |
| Date of US arrival: ___/___/___ (MM/DD/YY) |
| Airline: | Flight number: |
| Seat number(s): | |
| E-mail address: | Alternate e-mail address: |
| Telephone number (include country code or country name): | Mobile ☐ |
| Alternate telephone number (include country code or country name): | Mobile ☐ |
| Address for next 21 days: | Dates at address: ___/___/___ (MM/DD/YY) to ___/___/___ (MM/DD/YY) |
| Additional address for next 21 days: | Dates at address: ___/___/___ (MM/DD/YY) to ___/___/___ (MM/DD/YY) |
| Home address: | |
| Name of a friend or relative in United States: | |
| U.S. friend/relative’s email address: | Phone number: (_____)____-______ |

**DHS visual observation**

For the DHS Officer: Observe the traveler. Do you see signs of illness (vomiting, diarrhea, bleeding)?

**DHS Officer, ask traveler the following questions:**

**Today or in the past 48 hours, have you had any of the following symptoms?**

| A. Fever (100°F / 38°C or higher), feeling feverish, or having chills? | Yes ☐ No ☐ |
| B. Vomiting or diarrhea? | Yes ☐ No ☐ |
| In the last 21 days (3 weeks), have you done any of the following? | Yes ☐ No ☐ |
| C. Lived in the same household or had close contact with a person sick with Ebola or a person who was very sick or died? |
| D. Been in a health care facility or a laboratory in an Ebola outbreak country? |
| E. Been around or touched a dead body, or gone to a funeral, in an Ebola outbreak country? |

**DHS Action(s) Taken**

- [ ] Gave tear sheet (if CARE Kit not available)
- [ ] Gave CARE Kit
- [ ] Referred to Tertiary OR [ ] Released

Public reporting burden of this collection of information is estimated to average 15 minutes per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. An agency may not conduct or sponsor, and a person is not required to respond to a collection of information unless it displays a currently valid OMB Control Number. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden to CDC/ATS/ODR Reports Clearance Officer, 1600 Clifton Road NE, MS D-7A, Atlanta, Georgia 30333, ATTN: PHS 0920-0821.
Reference materials continued...

- What should an announcement regarding Passenger Locator Form use sound like?
- What should exit screening consist of?
- What Personal Protective Equipment (PPE) should be used and when?
- How are persons categorized based on risk level and if symptomatic?
- How can persons “in-transit” in an Ebola-affected country be recognized as having no risk?
How can systems be implemented and sustainable?

• Staffing
• Training
• Government commitment
• Ongoing assessment
Articles and Core Capacities at POE

- 27 of 66 articles pertain to travelers and points of entry
- Annex 1 B lays out the core capacity requirements for designated airports, ports, and ground crossings
The Quarantine System

- Media (general)
- DOT
- Air Transport Association
- FAA
- USCG
- PHAC
- Canadian/Mexican Border Authorities
- APHL
- News Media
- Port officials
- Health-care providers
- PH labs
- USFWS
- USCG (local)
- Hospitals
- CBP
- EMS
- Int. Org. for Migration
- Int. Council of Cruise Lines
- Q Stations
- DGMQ HQ
- CDC
- Courts
- Foreign Govts
- Courts
- DHS
- FDA
- USDA APHIS
- BIDSS
- WHO
- FBI
- Int. Civil Aviation Org.
- State PHAs
- State Dept.
- LPHAs
- Overseas Panel Physicians
- NACCHO
- AASTHO
- Int. Org. for Migration
- Source: IOM Report

Relationships among the Quarantine Core System and Network for U.S. Ports of Entry

Partnerships
Evaluating Patients and Returned Travelers in the United States

- CDC released job aids for U.S. healthcare workers to help determine if a patient has been exposed to Ebola
  - Algorithm for Evaluating Returned Travelers for Ebola
  - Checklist for Patients Being Evaluated for Ebola Virus Disease (EVD) in the United States
Monitoring and Movement of Persons with Potential Exposure to Ebola

Interim U.S. Guidance for Monitoring and Movement of Persons with Potential Ebola Virus Exposure

Updated: December 24, 2014

Summary of Recent Changes

1. Minor revisions were made December 24, 2014, to clarify the recommendations regarding people who enter patient care areas of Ebola treatment units but do not provide direct patient care (such as observers) and healthcare workers in any (including non-Ebola) healthcare settings. Language was also added to clarify that the low (but not zero) classification for brief proximity to a person with Ebola does not apply to Ebola patient care areas.
2. The guidance was updated November 28, 2014, to incorporate language about countries with cases in urban settings with uncertain control measures.
3. This guidance was updated November 16, 2014, to reflect the following:
   a. All healthcare workers who engaged in direct patient care in any healthcare setting in
Border Tools & Activities to Prevent Transmission of Communicable Diseases

- Isolation (and quarantine) orders
- Travel restrictions
- Contact investigations
- Health promotion activities incl. Travel Health Alert Notices
- Passive or enhanced screening
- Training, Planning, Exercising
Key Points

• There have been numerous challenges – some of which were not foreseen.

• The ability to work with partners, ICAO, IATA, ACI and WHO, was instrumental. Without this, it would have been hard to imagine what greater challenges there would have been.

• Without communication, efforts cannot be coordinated.

• CDC is committed to assisting the aviation industry and authorities in countries with Ebola through guidance, tools, and consultation.
For the most current information

http://www.cdc.gov/vhf/ebola/index.html

http://www.cdc.gov/vhf/ebola/airports/index.html
Contact Information

Susan Lippold

Email: stl5@cdc.gov
or
Email: airadmin@cdc.gov

For more information please contact Centers for Disease Control and Prevention

1600 Clifton Road NE, Atlanta, GA 30333
Telephone: 1-800-CDC-INFO (232-4636)/TTY: 1-888-232-6348
Visit: www.cdc.gov | Contact CDC at: 1-800-CDC-INFO or www.cdc.gov/info

The findings and conclusions in this report are those of the authors and do not necessarily represent the official position of the Centers for Disease Control and Prevention.