

# Air Contact Investigations and Contact Tracing

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# Objectives

- ❑ Share purpose of air contact investigations/contact tracing
- ❑ Discuss CDC contact investigation process
  - List diseases requiring flight-related contact investigations (if certain criteria met)
  - Describe criteria that determine whether to initiate contact investigation and which individuals to contact
  - Discuss process of partnering with local, state, and international public health partners to contact and follow up with individuals as necessary

# Purpose of Air Related Contact Investigations

- ❑ Identify contacts of a traveler who was possibly contagious during a flight
- ❑ Notify, educate, and evaluate travelers about their potential exposure in a timely manner
- ❑ Provide post-exposure prophylaxis, or other treatment, as appropriate

# Diseases Requiring Flight-Related Contact Investigations (United States, CDC)

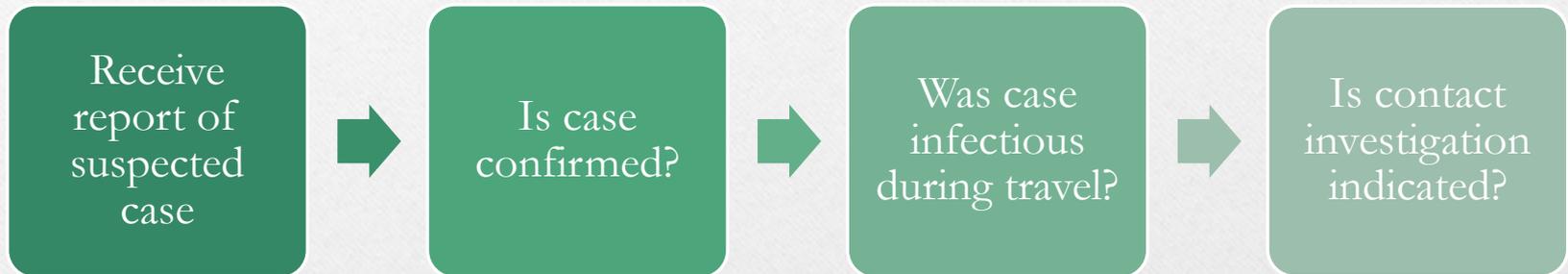
Quarantinable Diseases	<ul style="list-style-type: none"><li>• Infectious tuberculosis (TB)</li><li>• Novel influenza virus or other emerging infectious disease</li><li>• Smallpox</li><li>• SARS</li><li>• Pneumonic Plague</li><li>• Viral Hemorrhagic Fevers (VHF)*</li><li>• Diphtheria</li></ul>
Non-Quarantinable Diseases	<ul style="list-style-type: none"><li>• Measles</li><li>• Rubella</li><li>• Meningococcal Disease</li><li>• Pertussis</li></ul>

\*Crimean-Congo hemorrhagic fevers, Ebola/Marburg, Lassa fever/Lujo disease, South America arenaviruses

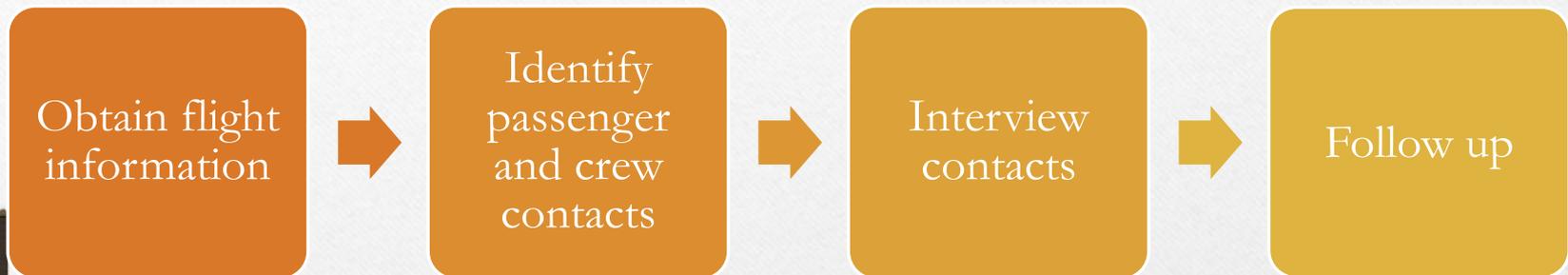
# Criteria to Determine Whether to Initiate Air Contact Investigation (United States, CDC)

- ❑ Confirmed illness
  - Based on both infectiousness and severity
- ❑ Length of time between report of illness and flight
- ❑ Duration of flight
  - Based on limited research on infectiousness of certain illnesses over certain periods of time
- ❑ Recommendations may vary from different countries and international organizations

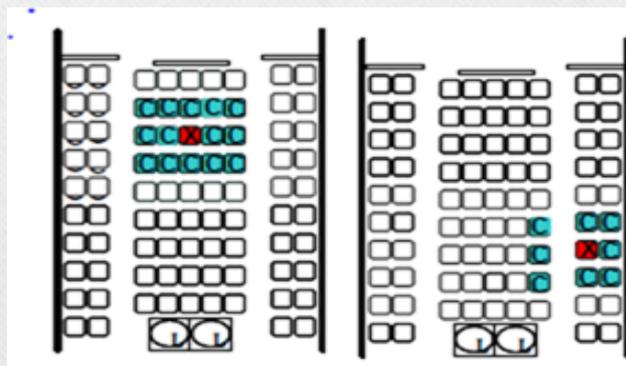
# Air Contact Investigation Process



# Air Contact Investigation Process, Continued



Example of Seating Chart and Contacts Identified for *Suspect Ebola*



Red X indicates index case

Blue C indicates contact

# Resources

## ❑ International Air Transport Association (IATA)

- Air Transport and Communicable Diseases:  
<http://www.iata.org/whatwedo/safety/health/Pages/diseases.aspx>

## ❑ European Centre for Disease Prevention and Control

- Infectious Diseases on Aircraft:  
<http://ecdc.europa.eu/en/healthtopics/ragida/Pages/default.aspx>

## ❑ International Civil Aviation Organization References

- Contact Tracing During EVD: <http://www.capsca.org/Documentation/Ebola/contact-tracing-during-outbreak-of-ebola.pdf>

## ❑ U.S. Centers for Disease Control and Prevention

- Investigating Contagious Diseases on Flights: <http://www.cdc.gov/quarantine/contact-investigation.html>