

# Zika Virus

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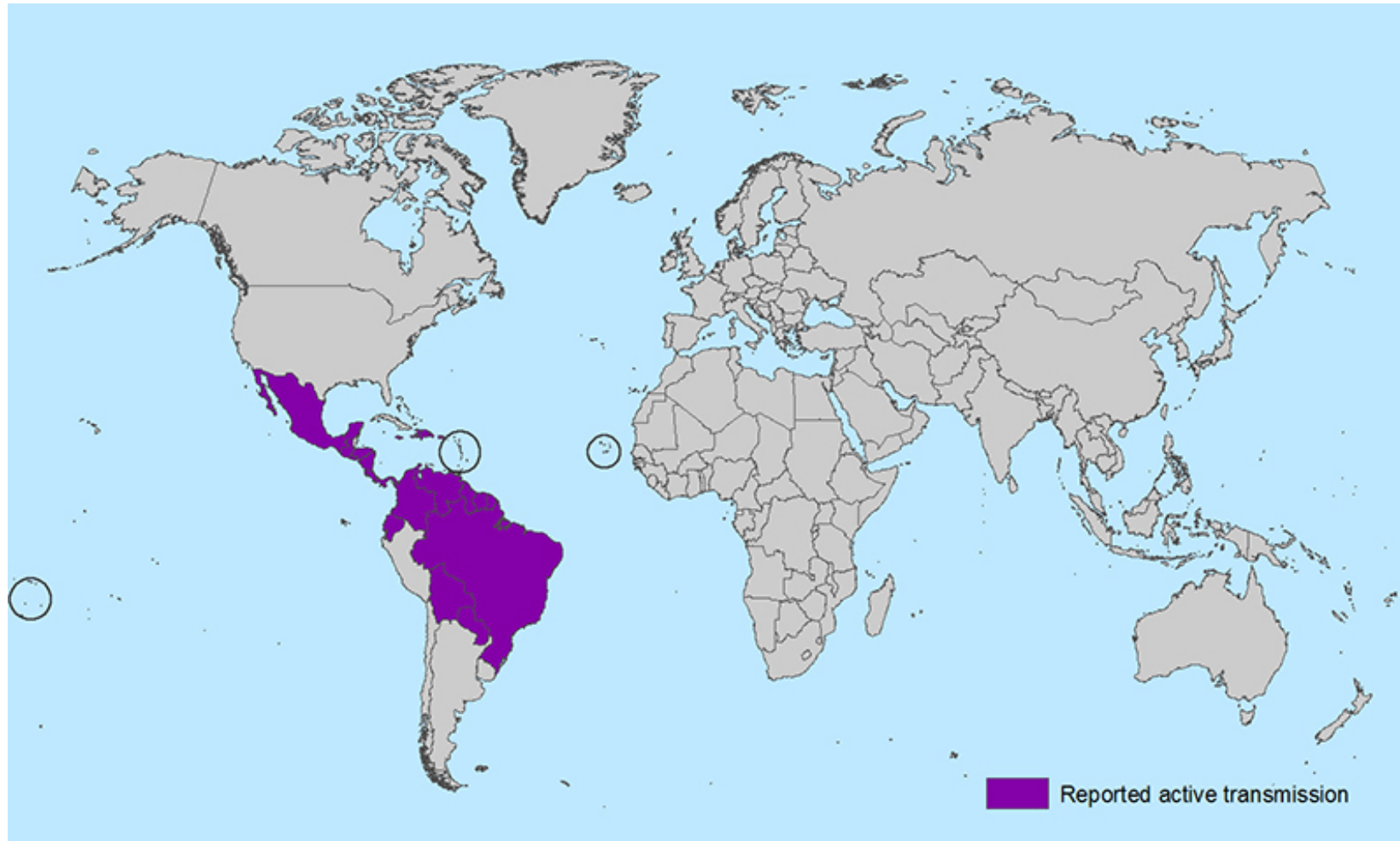


# Background

- Mosquito-borne flavivirus
  - 1947: First identified in Uganda
  - 2007: First major outbreak in Yap (Micronesia)
  - 2013: Outbreak in French Polynesia
  - 2014: Cases in Pacific Islands
  - 2015: Outbreak in Brazil
  - 2016: In >20 countries in the Americas

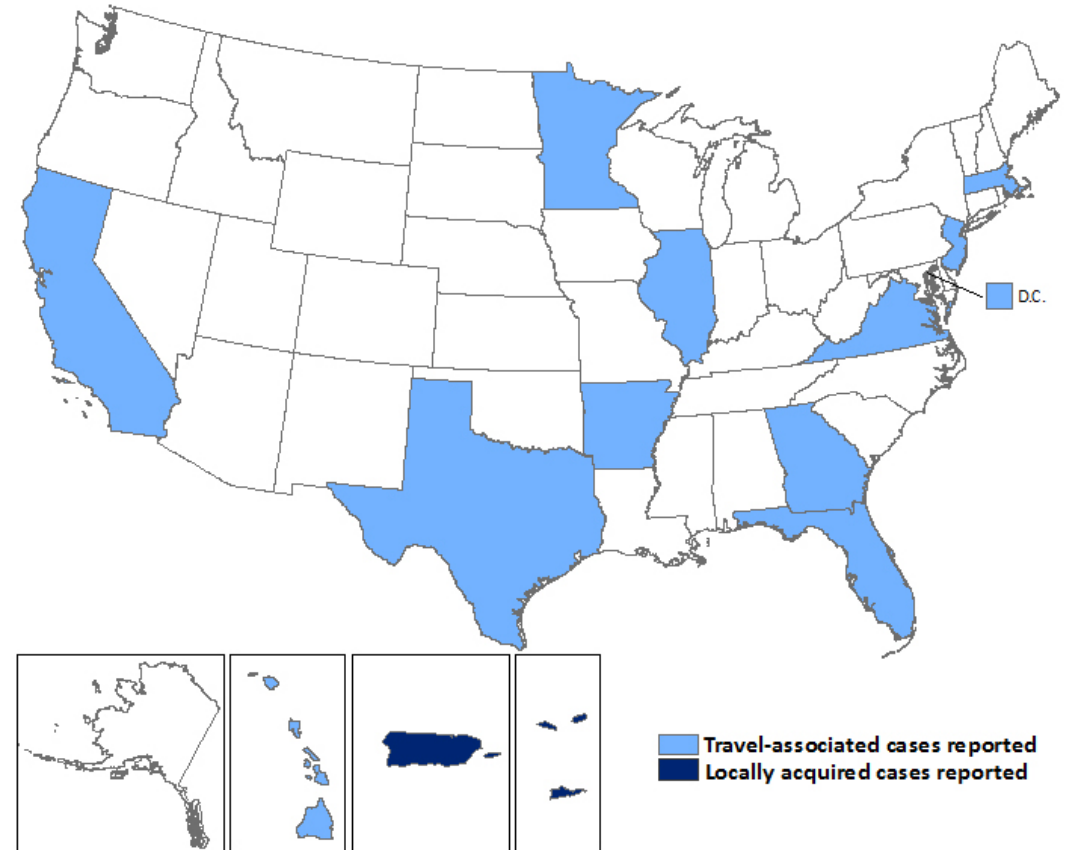


# Areas with Zika Transmission



# Zika Virus in the US

- NO local transmission
- 35 travel-associated cases
  - 1 from sexual transmission
- 9 by local transmission in US territories



# How do you get Zika?

- Spread through the bite of an infected mosquito
  - Same mosquitoes that spread dengue, chikungunya, and yellow fever
  - Aedes spp.
- Mother-to-child during pregnancy or delivery
  - Possible association between infection during pregnancy and microcephaly in babies
- Sexual transmission
- No reports through breastfeeding



# Symptoms of Zika Infection

- About 1 in 5 people (20%) have symptoms
- Most common symptoms: fever, rash, joint pain, or red eyes (conjunctivitis)
- Other symptoms could include muscle pain and headache
- Last days to weeks
- Incubation period is unknown
- Likely viremic for 1 week after illness



# Testing Recommendations

- Anyone with a travel history and 2/4 symptoms
- All pregnant women with a travel history in the last 2-12 weeks
- Pregnant women with a history of sexual contact with someone with Zika infections
- Infants with microcephaly and a mother with a travel history or history of Zika infection



# District of Columbia Department of Health (DC DOH) Approach





# Emerging Disease Threat Assessment

## Background

- Chikungunya virus
- Ebola Virus

## Lesson's Learned from DCDOH Ebola Response

- >1000 travelers monitored
- Initial risk assessment interview
- Daily communications
- Collaboration with:
  - DC medical community
  - Federal and local partners

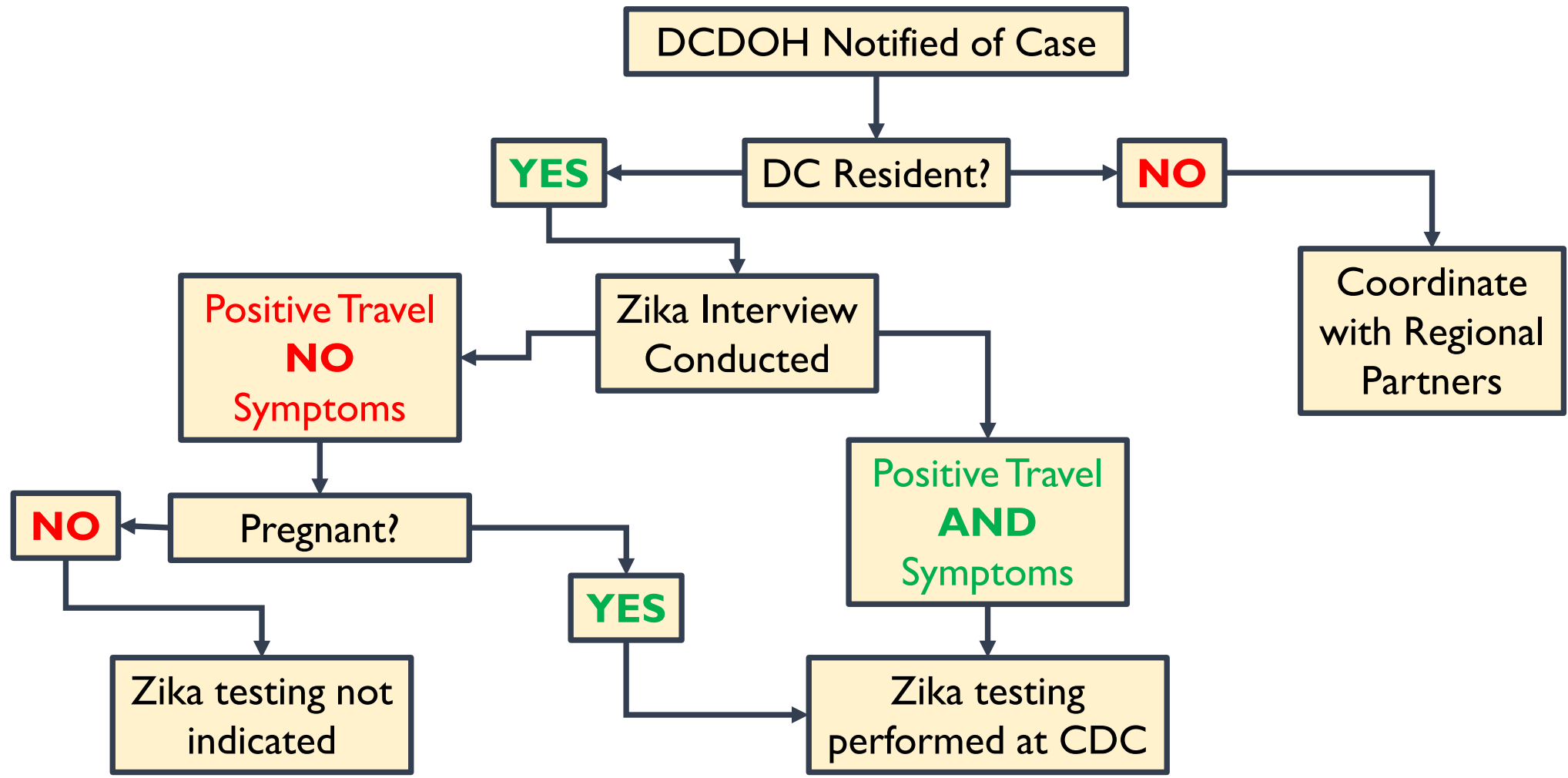


# DC DOH Approach

- Coordination with local providers
  - Health notices
  - Fact Sheets
  - Website
- Level of Concern
  - Pregnant Women
  - Non-Pregnant Women
  - Men



# DC DOH Zika Surveillance Program



# DC DOH Zika Contact Information

DC DOH Website:

<http://doh.dc.gov/publication/zika-virus-information>

Email Address:

[DOH.EPI@dc.gov](mailto:DOH.EPI@dc.gov)

Phone #:

(844) 493-2652

The screenshot shows the DC Department of Health website. At the top right, there are links for '311 Online', 'Agency Directory', 'Online Services', and 'Accessibility'. The DC.gov logo is on the left, with 'Mayor Muriel Bowser' below it. A search bar is in the top right. The main navigation menu includes 'Home', 'Services', 'Health Professionals', 'Infants, Children and Teens', 'HIV/AIDS', 'Resources', 'Vital Records', and 'About DOH'. Below the menu are three featured service tiles: 1. 'A SAFER STRONGER DC' survey, 2. 'Staying Informed on Zika Virus' with a mosquito icon, and 3. 'DC Center for Rational Prescribing' (DCRx). A 'Featured Services' section is partially visible at the bottom.

