

Zika Virus Epidemiology



Vectorborne Disease Program
Infectious and Zoonotic Disease Program
Communicable Disease Service

Eligibility for NJDOH Testing

- Pregnant women with exposure history (travel, sexual, or novel)
 - Symptomatic (fever, rash, joint pain, conjunctivitis)
 - Asymptomatic (2-12 weeks post-travel)
- Non-pregnant person with exposure history (travel, sexual, or novel)
- and currently symptomatic
- Non-pregnant person with exposure history and Guillain-Barre syndrome (GBS)
- Fetus/infant with microcephaly or intracranial calcifications whose mother has an exposure history
- Infant born to a mother with a positive or inconclusive Zika test
- Infant born to a mother with an exposure history within 2 weeks of delivery and infant is symptomatic within 2 weeks of birth

Enhanced Case Investigation



- Exposure History (travel, sexual, congenital, or novel)
 - Unlikely exposure routes: blood transfusion, laboratory exposure, local mosquito
- Exposure date(s) (and location(s) if relevant)
 - If concerned for local transmission, consider in-depth interviews of places case spends significant time at
- Symptoms and onset date
- Pregnancy status, including:
 - Estimated delivery date, weeks of gestation during exposure, current ultrasound findings
- If GBS, other tests that have been done
- If infant, head circumference and growth
- History of prior flavivirus infection, arboviral infection, or flavivirus vaccination

Identifying and Planning for Local Transmission



- Work closely with NJDOH and local mosquito control agencies to identify potential local cases
 - Consider enhanced reporting and communication
- Coordinate messaging with providers of suspected cases to avoid local mosquito exposure during illness and after travel
- Consider mosquito and case data to determine areas possibly impacted
 - Consider active surveillance for clinically-compatible cases in a geographic area surrounding any locally-transmitted case
 - Consider implementing enhanced clinician outreach targeting the geographic area surrounding a locally-transmitted case