

Instructions for Local Health Departments on Management of Suspected Zika Cases (January 2018)

- Complete the 'Travel-Associated Illness Screening Form' with the caller:
<http://www.dhhr.wv.gov/oeps/disease/Zoonosis/Mosquito/Documents/zika/Traveler-illness-form.pdf>
- Contact the Epi on-call at (800) 423-1271, extension 1 or Answering Service (304) 925-9946. Fax completed 'Travel-Associated Illness Screening Form' to the Epidemiologist On-Call at (304) 558-8736, Attn: [Epi On-Call Name]. The Epidemiologist On-Call will determine if the patient meets the criteria for Zika testing at WV Office of Laboratory Services (OLS). If testing is not approved the individual can be tested through an outside laboratory.
- Non-pregnant persons will be tested if:
 - They have travelled to a Zika-affected area: <http://www.cdc.gov/zika/geo/> or they have had sex with a person who travelled to a Zika-affected area AND
 - They are symptomatic AND
 - It is < 14 days from onset of symptoms.
 - For testing of infants, persons with Guillan-Barre syndrome or for other specialized testing, consult DIDE.
 - If sexual transmission is suspected, test both partners.
- Asymptomatic pregnant women will be tested if they have an ongoing exposure to Zika. Ongoing exposure is defined as either living in a Zika affected area or frequently travels (daily or weekly) to a Zika affected area.
- Provide the caller with guidelines for Zika testing: <http://www.cdc.gov/zika/hc-providers/diagnostic.html>. Urine should always be collected with a patient-matched serum specimen.
 - Specimens collected < 14 days after symptom onset:** Zika virus RT-PCR testing of serum (collect 1 mL) and urine (collect 1 mL).
 - Specimens collected \geq 14 days from non-pregnant persons generally will not be accepted except under special circumstances (e.g., suspected perinatal, transfusion, organ donation or sexual transmission, GBS, etc.).** Consult the Division of Infectious Disease Epidemiology (DIDE)
 - Asymptomatic pregnant women:** Zika virus RNA nucleic acid test (NAT) three times during the pregnancy. The first test should be performed upon initiation of prenatal care.
- The specimen submitter should complete the OLS Human Arboviral Submission Form.
 - OLS: http://www.wvdhhr.org/labservices/shared/docs/Micro/Test_Request_Form_Arbo_Human.pdf.
 - Turn around time is as follows: PCR 24 hours from receipt; MAC-ELISA (IgM antibody capture enzyme-linked immunosorbent assay) 5 days and PRNT (plaque reduction neutralization test) up to 6 weeks. OLS will send laboratory reports to the submitter, the local health department, and DIDE.
- If the patient has positive laboratory results for Zika, chikungunya, dengue, malaria, etc., enter laboratory results into WVEDSS to initiate a thorough case investigation. Zika virus and chikungunya fall under "Arboviral Infection" in WVEDSS. Use the "Zika Case Report Form" and "Zika Virus Disease Surveillance Protocol" to assist with case investigations.
 - Zika Report form: <http://www.dhhr.wv.gov/oeps/disease/wvedss/documents/arbo1.pdf>
 - Protocol: <http://www.dhhr.wv.gov/oeps/disease/zoonosis/mosquito/documents/zika/zika-protocol.pdf>
- A rapid environmental assessment should be considered for patients with positive RT-PCR or if local transmission cannot be excluded. Consult DIDE.

