

Instructions for Local Health Departments on Management of Suspected Zika Cases (August 2016)

For consults pertaining to symptomatic or asymptomatic PREGNANT women who have travelled to a Zika-affected area:

- Complete the 'Travel-Associated Illness Screening Form' with the caller, even if the pregnant woman is asymptomatic: <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 approve testing, if appropriate.
- Pregnant persons will be tested if:
 - They have travelled to a Zika-affected area or had sex with a person who travelled to a Zika-affected area -- <http://www.cdc.gov/zika/geo/index.html>
- Ensure that shipment of specimen(s) is done correctly. Urine should always be collected with a patient-matched serum specimen. Information on proper specimen collection and shipment can be found here: <http://www.dhhr.wv.gov/oeps/disease/Zoonosis/Mosquito/Documents/zika/ArboTestingGuidelines.pdf> .
 - Specimens collected <14 days after symptom onset:** Zika virus RT-PCR testing (possible MAC-ELISA). Submit urine (1 mL) and serum (2 mL).
 - Specimens collected \geq 14 days after symptom onset or \geq 14 days after travel, if asymptomatic:** A combination of MAC-ELISA with PRNT confirmation and RT-PCR will be used to confirm Zika infection. Submit urine (1 mL) and serum (2 mL).
- Have the submitter complete the OLS Human Arboviral Submission Form.
 - http://www.wvdhhr.org/labservices/shared/docs/Micro/Test_Request_Form_Arbo_Human.pdf.
- TAT* is as follows: PCR 24 hours from receipt; MAC-ELISA 2 weeks and PRNT 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.

*Turnaround time

For calls pertaining to non-pregnant persons:

- 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 approve testing, if appropriate.
- 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.
- 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 DIDE.
- 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.
- TAT* is as follows: PCR 24 hours from receipt; MAC-ELISA 2 weeks and PRNT 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.

*Turnaround time