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**Public Health**  
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**PUBLIC HEALTH DIVISION**  
Napa County Health & Human Services Agency

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## HEALTH ADVISORY AUGUST 5, 2016

### UPDATED INFORMATION ABOUT ZIKA VIRUS DISEASE

**TO:** Healthcare Providers and Hospital ICPs  
**FROM:** Karen Relucio, MD, Public Health Officer  
Communicable Diseases Program

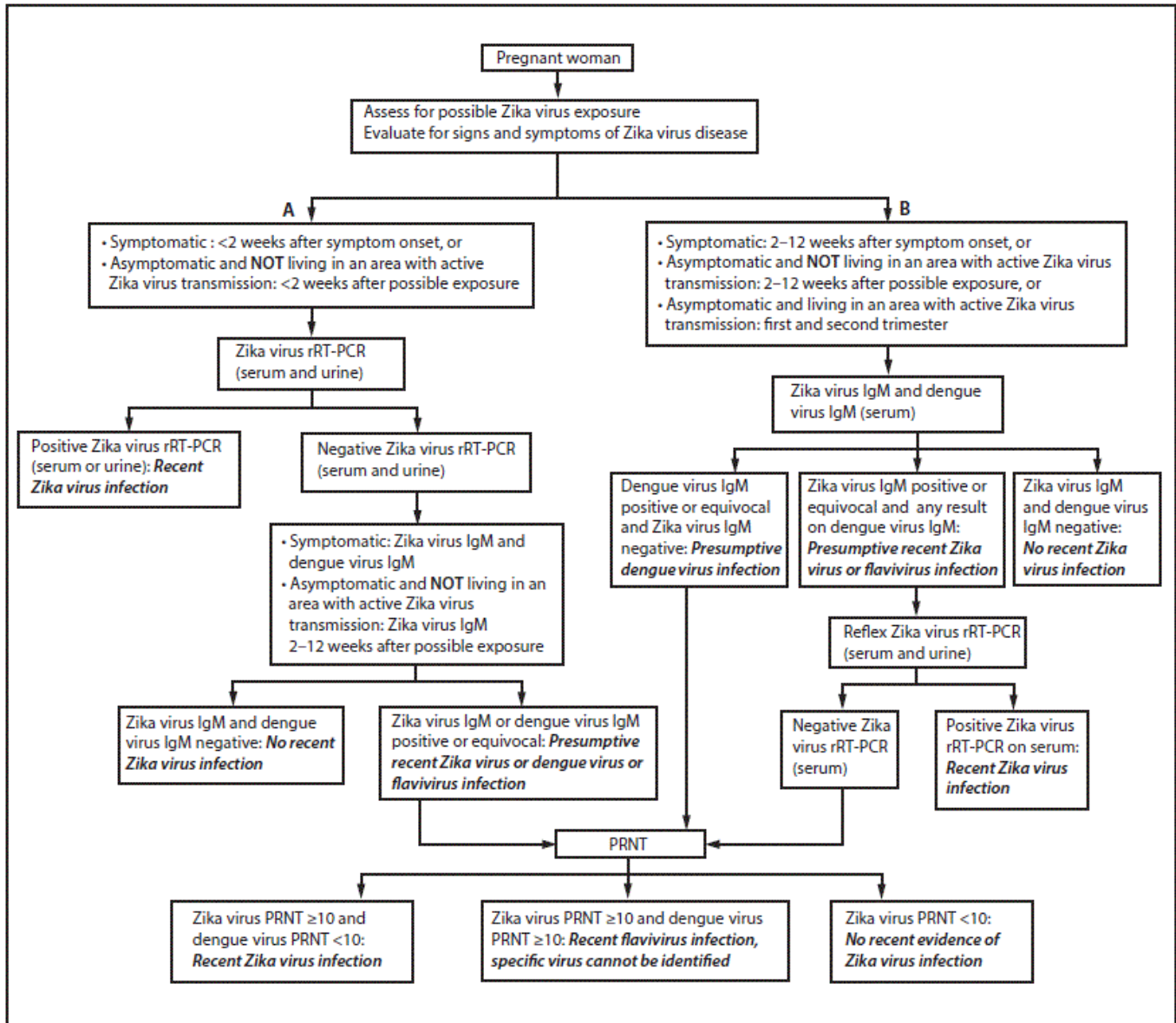
The underlined text in [blue](#) is hyperlinks to more information sources

#### **SITUATION UPDATES:**

- Napa County Public Health is following [new guidance](#) from the California Department of Public Health (CDPH) and Centers for Disease Control and Prevention (CDC) for expanded PCR testing for symptomatic and asymptomatic pregnant women who have a positive or equivocal Zika Virus IgM. For more details, see page 4.
  - Both Quest and LabCorp now offer Zika PCR testing in California
  - There are 5 new FDA-approved molecular tests for Zika diagnosis
- There have been two cases of [Zika-associated birth defects](#) in California
- There has been evidence of [local transmission of Zika virus infection in Miami-Dade and Broward Counties in Florida](#)
- There has been evidence of [female-to-male sexual transmission of Zika Virus](#) in New York City
- There has been a Zika-related death in Utah in an elderly man with high viremia, with evidence of [transmission to a family caregiver](#) contact WITHOUT history of travel to a Zika-affected country or sexual contact with Zika-infected persons.
- There are currently NO mosquitoes in Napa County that transmit Zika virus. Mosquito surveillance is ongoing.
  - For a map of Aedes sp. mosquitoes in California:  
<http://www.cdph.ca.gov/HealthInfo/discond/Documents/AedesDistributionMap.pdf>.
  - For steps to take to help prevent Aedes sp mosquitoes from getting established in Napa County: <http://www.cdph.ca.gov/HealthInfo/discond/Documents/AeAegyptiBrochure.pdf>.

**Actions Requested of Healthcare Professionals:**

1. **Obtain travel history** from all pregnant patients and from all patients presenting with a febrile illness.
2. **Consider testing** patients with appropriate symptomology and travel history for Zika virus, dengue fever and chikungunya virus. For information on affected regions: refer to <http://www.cdc.gov/zika/geo/active-countries.html>.
  - Test individuals with acute onset fever, maculopapular rash, joint pain, conjunctivitis within 21 days of symptom onset, after travel from a Zika-affected area or sexual contact with partner who has traveled to a Zika-affected area.
  - Test all pregnant women after travel from a Zika-affected area or sexual contact with partner who has traveled to a Zika-affected area (**SEE ALGORITHM on page 3**)
    - **NEW GUIDANCE** for symptomatic pregnant women:
      - If testing is performed <2 weeks after symptom onset, RT-PCR should be performed on both urine and blood samples. **If RT-PCR testing is negative, serum IgM should be performed on the initial serum sample.**
      - If testing is performed 2-12 weeks after symptom onset, serum IgM should be performed first. **If IgM testing yields positive or equivocal results, reflex RT PCR testing should be performed on the initial serum sample and urine RT PCR should be performed.**
    - **NEW GUIDANCE** for asymptomatic pregnant women:
      - If testing is performed <2 weeks after possible Zika virus exposure, offer serum and urine RT-PCR testing. **Asymptomatic pregnant women should return for testing for IgM 2-12 weeks after exposure.**
      - If testing is performed 2-12 weeks after exposure, serum IgM should be performed. **If IgM testing yields positive or equivocal results, reflex RT PCR testing should be performed on the initial serum sample and urine RT PCR should be performed**
    - **NEW GUIDANCE** for pregnant women with possible Zika virus exposure who seek care >12 weeks after symptom onset or possible exposure, IgM antibody testing might be considered.
  - Test infants
    - With microcephaly and intracranial calcifications born to women who traveled to or resided in an area with Zika virus transmission while pregnant
    - Born to mothers with positive or inconclusive tests for Zika virus infection
  - Test individuals with Guillain-Barre and travel to Zika affected area or sexual contact with partner who has traveled to a Zika-affected area
3. **Obtain approval** for testing by filling out the one page [“Zika Testing Request for Providers”](#) form and faxing to Public Health at **(707) 299-4479**.
  - Please follow steps on the [“Zika Lab Instructions for Providers and Laboratories”](#) document. **The form must be filled out completely, or laboratory testing may not be performed.**
  - For patients who will be referred to Public Health for laboratory testing, Public Health staff will contact patients for an appointment once the Zika Testing Request form is received and approved. **Walk-in testing referrals will not be accepted.**
4. **Advise** patients who are pregnant or who are attempting to become pregnant about:
  - Delaying travel to Zika-affected areas if possible.
  - If travel is necessary, take [special precautions to avoid mosquito bites](#).
  - Women of reproductive age and their sexual partners should also be counseled about the risk of Zika virus infection and [prevention of unplanned pregnancy](#).
  - Women and their sexual partners who are trying to get pregnant should follow [CDC guidance](#).
5. **Report** suspected cases of Zika virus with appropriate symptomology and travel history to Napa County Communicable Diseases Program by phone at **(707) 253-4231** or by faxing a confidential morbidity report (CMR) at **(707) 299-4479**.
6. **Use standard precautions** in all healthcare settings to protect healthcare personnel and patients from infection with Zika virus, as well as other blood-borne pathogens.



## RESOURCES

- Napa County Public Health: [www.countyofnapa.org/healthalerts](http://www.countyofnapa.org/healthalerts)
- CDC Zika Virus general information: [www.cdc.gov/zika](http://www.cdc.gov/zika)
- CDC list of Zika-affected areas: <http://www.cdc.gov/zika/geo/active-countries.html>
- Travel notices related to Zika virus: [wwwnc.cdc.gov/travel/notices](http://wwwnc.cdc.gov/travel/notices)
- CDC Update: Interim Guidelines for Health Care Providers Caring for Pregnant Women and Women of Reproductive Age with Possible Zika Virus Exposure – United States, 2016: [http://www.cdc.gov/mmwr/volumes/65/wr/mm6529e1.htm?s\\_cid=mm6529e1\\_w](http://www.cdc.gov/mmwr/volumes/65/wr/mm6529e1.htm?s_cid=mm6529e1_w)
- CDC Interim Guidelines for Prevention of Sexual Transmission of Zika Virus – United States, 2016: [http://www.cdc.gov/mmwr/volumes/65/wr/mm6529e2.htm?s\\_cid=mm6529e2\\_w](http://www.cdc.gov/mmwr/volumes/65/wr/mm6529e2.htm?s_cid=mm6529e2_w)
- Update: Interim Guidelines for Health Care Providers Caring for Infants and Children with Possible Zika Virus Infection — United States, February 2016: [http://www.cdc.gov/mmwr/volumes/65/wr/mm6507e1.htm?s\\_cid=mm6507e1\\_w.htm](http://www.cdc.gov/mmwr/volumes/65/wr/mm6507e1.htm?s_cid=mm6507e1_w.htm)
- For information for women and their partners who are thinking about pregnancy: <http://www.cdc.gov/zika/pregnancy/thinking-about-pregnancy.html>.
- CDPH Zika Virus Information: <http://www.cdph.ca.gov/programs/vrdl/Pages/ZikaInfo.aspx>
- CDPH Zika Laboratory Testing Guidance: [http://www.cdph.ca.gov/programs/vrdl/Documents/Zika\\_Testing\\_VRD\\_L\\_Quicksheet\\_021016.pdf](http://www.cdph.ca.gov/programs/vrdl/Documents/Zika_Testing_VRD_L_Quicksheet_021016.pdf)
- CDC Health Advisory: (<http://emergency.cdc.gov/han/han00393.asp>)
- CDPH FAQ for Healthcare Workers: <http://www.cdph.ca.gov/HealthInfo/discond/Documents/ZikaFAQsforHealthcareWorkers.pdf>