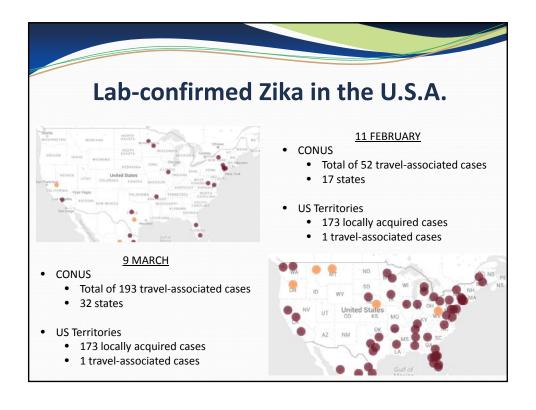
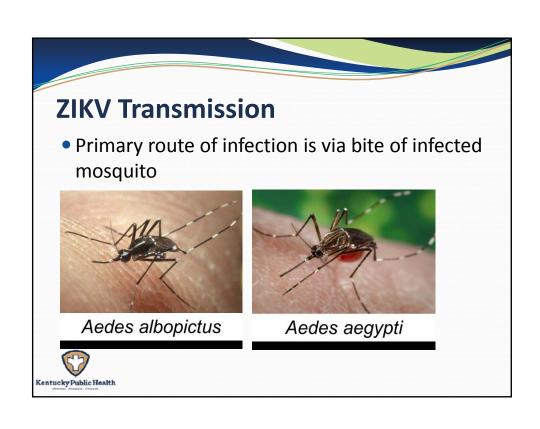


### ZIKV in the U.S. 2016

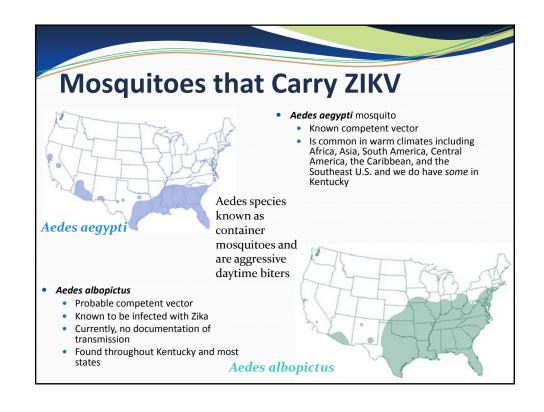
- JAN -Became nationally notifiable condition
- JAN Imported transmission to the U.S.
- FEB Sexual transmission in TX
- MAR First case of Zika in KY







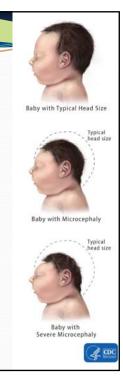




### **Clinical Features**

- About 20% people infected develop symptoms/ 80% remain asymptomatic
- Incubation period
  - 2-12 days
  - Maybe longer
- Characteristic clinical findings: fever, rash, arthralgia, or conjunctivitis.
- Clinical illness is usually mild with symptoms lasting for several days to a week
- Severe disease is uncommon Hospitalization rare
- Two neurological conditions associated with Zika infection in Brazil and other countries:
  - Microcephaly
  - Guillain-Barre syndrome





# **Recommendations for Testing**

- History of travel to Zika-affected area AND
- Symptomatic within two weeks of travel
- Travel during pregnancy
- Infants born to mom with positive or inconclusive test for Zika virus





## **Kentucky Testing as of 15 MAR 2016**

- Total tests approved = 51
  - 42 females
    - symptomatic
      - 4 pregnant
  - 9 Males
  - Thus far, tests resulted from CDC
    - One positive ZIKV



# **Educate Travelers Prior to U.S. Departure**

- Educate all travelers to wear mosquito repellent for one-two weeks after return from travels. Best way to prevent Zika virus infection is to avoid mosquito bites by avoiding exposure and eliminating mosquito breeding areas.
- Educate male travelers to wear condoms after departure from Zika-affected area for a time period or for the duration of pregnancy of sexual partner
- Until more is known, pregnant women should consider postponing travel to any area with active Zika virus transmission
- Healthcare providers should contact their state or local health department about testing patients with compatible travel history and symptoms for Zika
- Educate prevention and control measures
  - Removal and modification of mosquito breeding sites
  - Reducing contact between mosquitoes and people



#### References

 Zika Virus Outbreak on Yap Island, Federated States of Micronesia

http://www.nejm.org/doi/pdf/10.1056/NEJMoa0805715

- World Health Organization Western Pacific Region <a href="http://www.wpro.who.int/mediacentre/factsheets/fs">http://www.wpro.who.int/mediacentre/factsheets/fs</a> 05 <a href="https://www.wpro.who.int/mediacentre/factsheets/fs">182015 zika/en/</a>
- CDC http://www.cdc.gov/zika/index.html



### **Questions?**

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