

SCOTTSDALE CITY COUNCIL
WORK STUDY MINUTES
TUESDAY, OCTOBER 25, 2016



CITY HALL KIVA
3939 N. DRINKWATER BOULEVARD
SCOTTSDALE, AZ 85251

CALL TO ORDER

Mayor W.J. "Jim" Lane called to order a Work Study Session of the Scottsdale City Council at 6:19 P.M. on Tuesday, October 25, 2016, in the City Hall Kiva.

ROLL CALL

Present: Mayor W.J. "Jim" Lane
Vice Mayor Kathleen S. Littlefield
Councilmembers Suzanne Klapp, Virginia L. Korte, Guy Phillips, and David N. Smith

Absent: Councilwoman Linda Milhaven

Also Present: Acting City Manager Brian Biesemeyer, City Attorney Bruce Washburn, City Treasurer Jeff Nichols, City Auditor Sharron Walker, and City Clerk Carolyn Jagger

PUBLIC COMMENT – None

1. Zika and Other Mosquito-Borne Threat Preparedness

Request: Presentation, discussion, and possible direction to staff regarding the threat of Zika and other mosquito-borne illnesses within the City and the prevention, mitigation, and response to the potential threat.

Presenter(s): Brent Olson, Emergency Manager

Staff Contact(s): Brent Olson, Emergency Manager, 480-312-1886, bolson@scottsdaleaz.gov

Emergency Manager Brent Olson; Environment Planner Sam Brown; Stormwater Project Manager Ashley Couch; and Parks and Recreation Director Reed Pryor gave a PowerPoint presentation (attached) on the Zika and other mosquito-borne threats.

Maricopa County Department of Health Epizootologist Craig Levy gave a PowerPoint presentation (attached) on the Zika virus and other mosquito-borne threats, including the County's preventive activities.

NOTE: MINUTES OF CITY COUNCIL MEETINGS AND WORK STUDY SESSIONS ARE PREPARED IN ACCORDANCE WITH THE PROVISIONS OF ARIZONA REVISED STATUTES. THESE MINUTES ARE INTENDED TO BE AN ACCURATE REFLECTION OF ACTION TAKEN AND DIRECTION GIVEN BY THE CITY COUNCIL AND ARE NOT VERBATIM TRANSCRIPTS. DIGITAL RECORDINGS AND CLOSED CAPTION TRANSCRIPTS OF SCOTTSDALE CITY COUNCIL MEETINGS ARE AVAILABLE ONLINE AND ARE ON FILE IN THE CITY CLERK'S OFFICE.

Staff will continue to update the Council and the public about the progress being made to reduce the threat of mosquito-borne illnesses.

ADJOURNMENT

The Work Study Session adjourned at 7:46 P.M.

SUBMITTED BY:



Carolyn Jagger
City Clerk

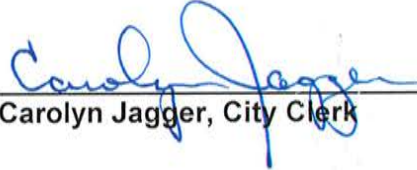
Officially approved by the City Council on December 9, 2016

C E R T I F I C A T E

I hereby certify that the foregoing Minutes are a true and correct copy of the Minutes of the Work Study of the City Council of Scottsdale, Arizona held on the 25th day of October 2016.

I further certify that the meeting was duly called and held, and that a quorum was present.

DATED this 2nd day of December 2016.



Carolyn Jagger, City Clerk

Brent Olson and City Staff Presentation

Zika and Other Mosquito-Borne Threat Preparedness

October 25, 2016
City Council Study Session

Overview



Mosquito-Borne Threat Presentation

Craig Levy, MS

Epizootologist, Office of Epidemiology
Maricopa County Department of Public Health



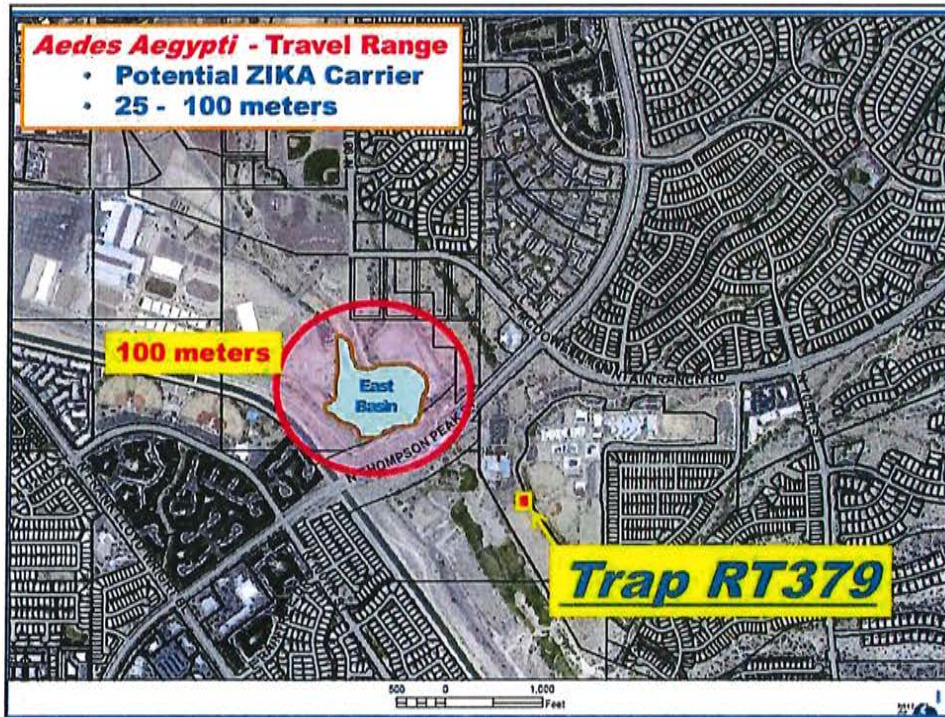
Craig Levy, Epizootologist, Office of Epidemiology

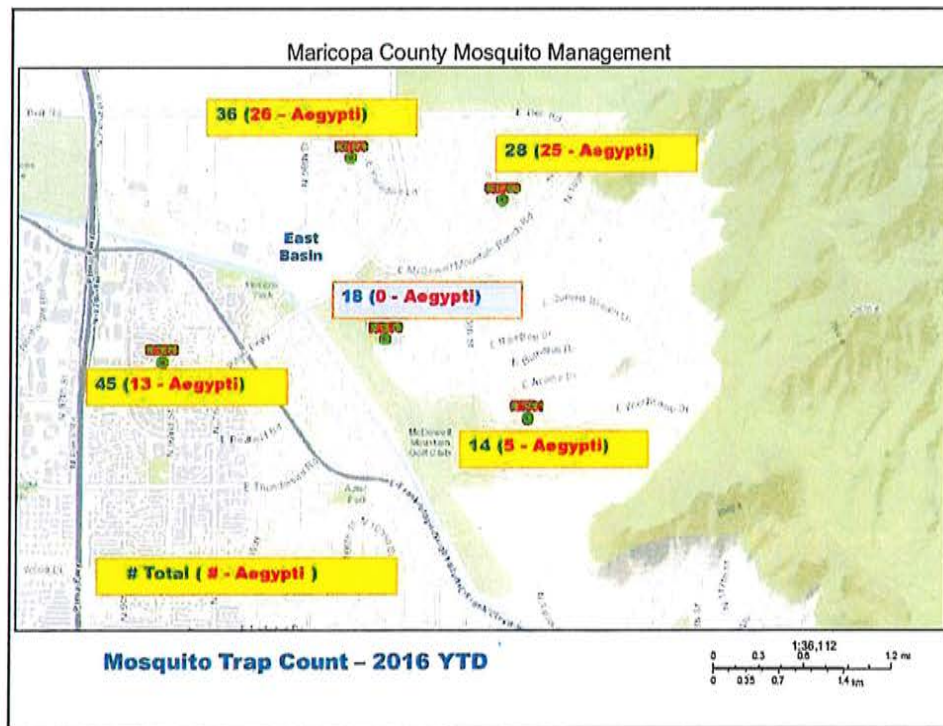


**Current Actions
Taken by the City**

WestWorld East Basin

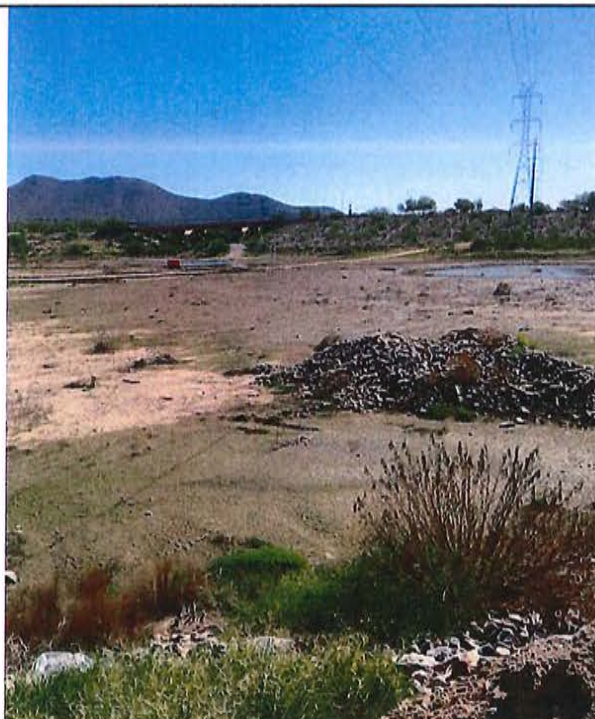
- Designed to hold stormwater runoff
- Treated aggressively to prevent mosquitos
- Nearest trap catches very few mosquitos
- Looking for ways to accelerate groundwater recharge





WestWorld East Basin

- Dry wells assist percolating water back into the ground
- Exploring feasibility of additional dry wells
- Recent pilot program pumped the basin dry

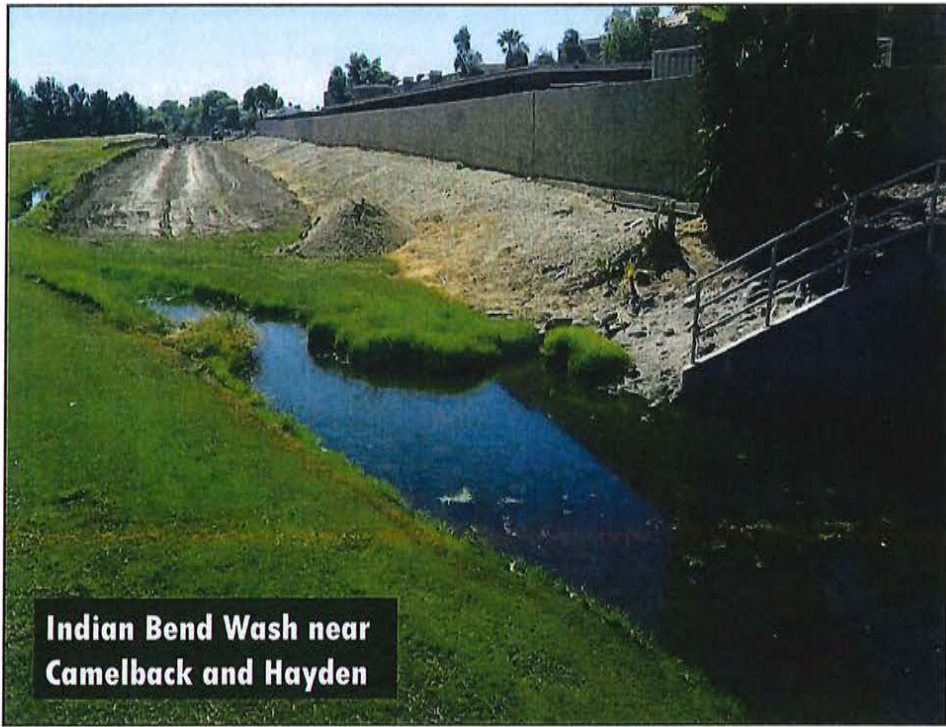




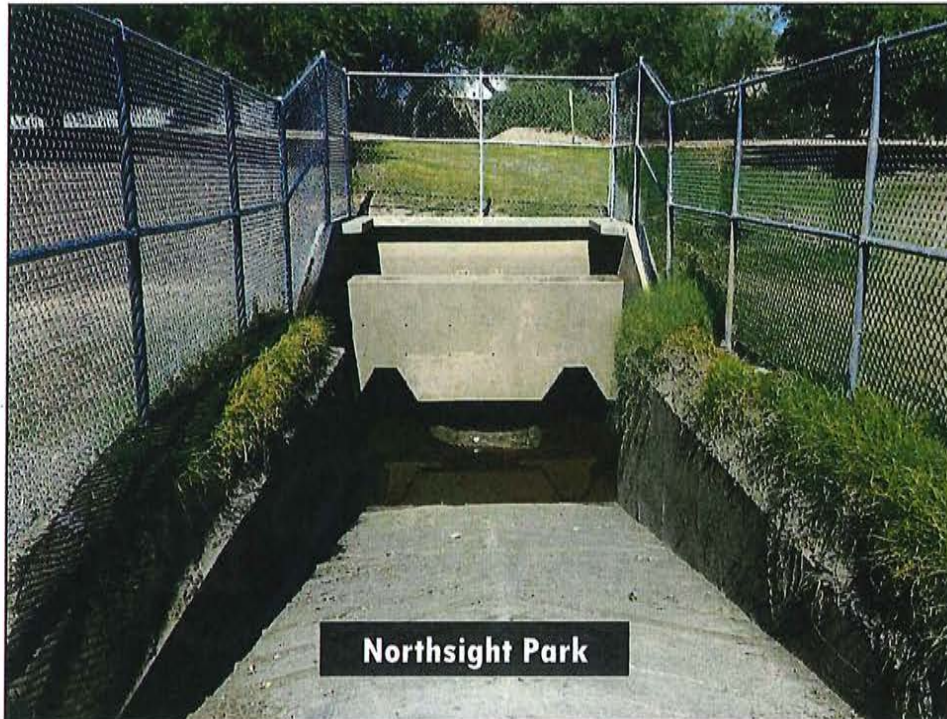
What is the city doing about standing water?

- Respond to complaints
- Grade to promote drainage
- Remove sediment & debris
- Treat or pump
- Investigate/eliminate illicit discharge or connections

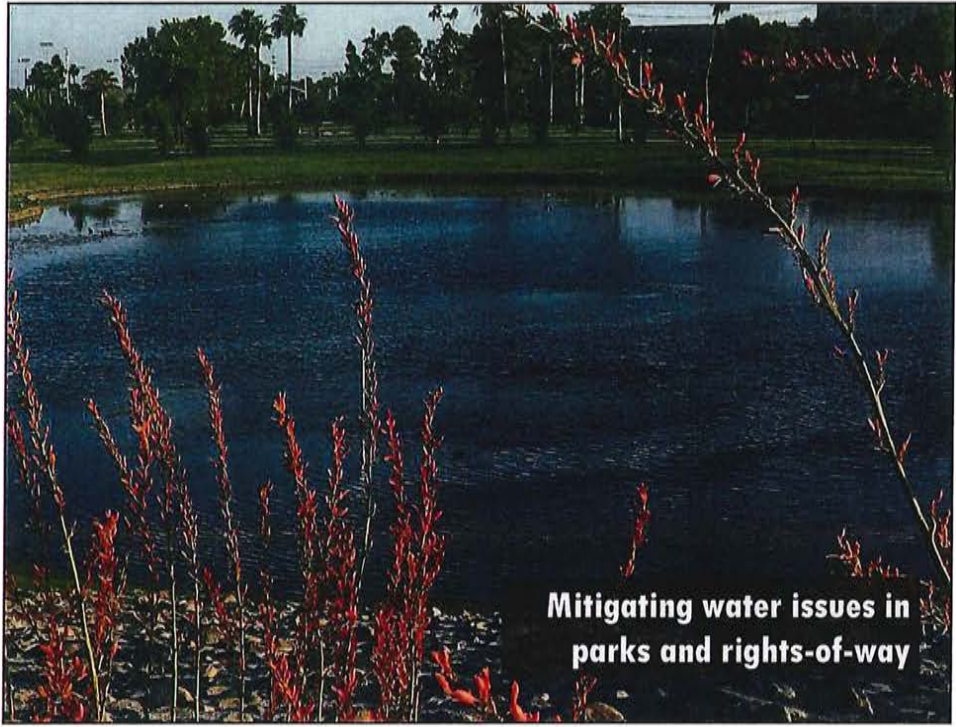


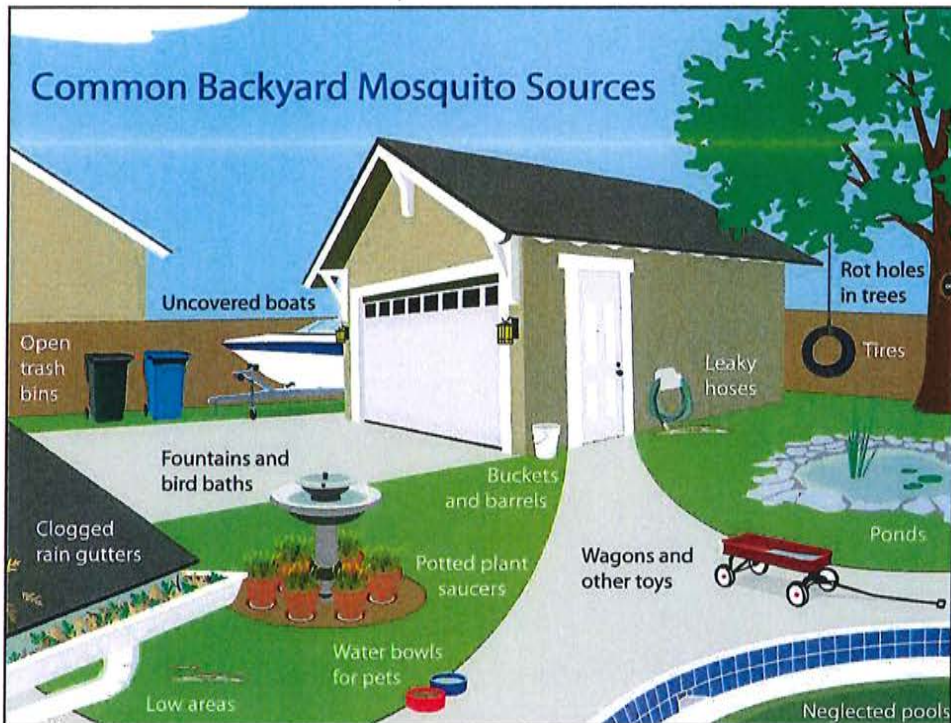


Indian Bend Wash near Camelback and Hayden



Northsight Park





Craig Levy
Presentation

Zika Virus Update



Craig Levy, Epizootologist, Office of Epidemiology

Emerging Arboviruses

- Zika Virus
- Chikungunya
- Dengue Viruses
- Same Mosquito Vectors
- Similar Symptoms
- Rapidly Expanding in the Americas
- Imported cases
- Have potential to start transmission here !

Mosquito Transmission

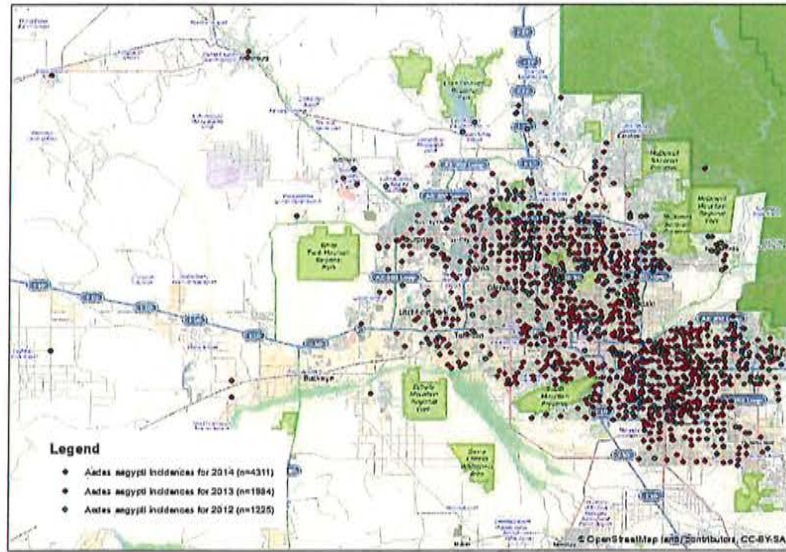
- *Aedes aegypti* and *Aedes albopictus* are the primary mosquito vectors
 - Infected humans are the reservoir for the viruses. Infections result in high viremias which can persist up to 7 days
 - Both mosquitoes bite mostly during the daytime
 - *Aedes aegypti* are “ankle biters”
 - Both mosquitoes breed in backyard containers
- ***Aedes aegypti* mosquitoes are widespread and thriving in Maricopa County**



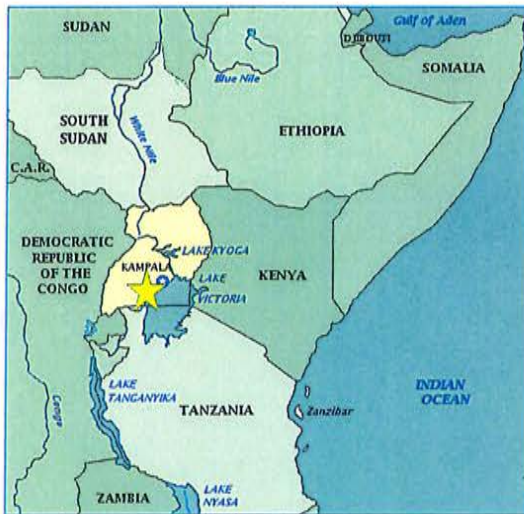
Aedes sp. Breeding Sites

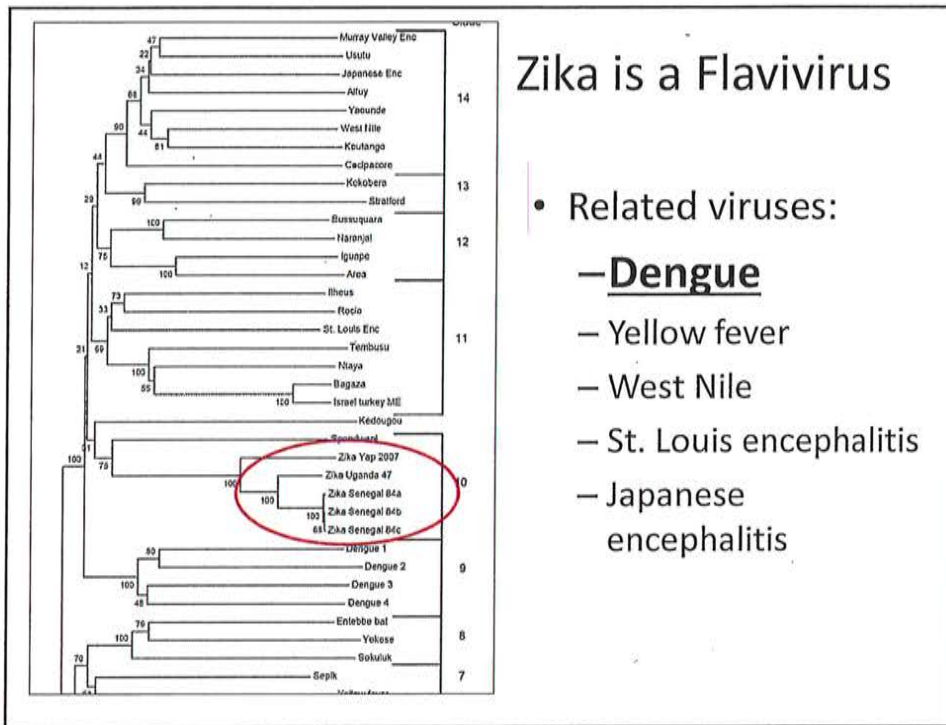


Aedes aegypti incidences in Maricopa County (2012-2014)



Zika Virus: Discovered in 1947 in the Zika Forest





Zika Transmission

- **Mosquitoes Bites**
- Perinatal
- Sexual transmission
- Possible blood transfusion-associated
- Laboratory exposure

Zika Epidemiology

- Incubation period in people: 2–12 days
- ~ 80% of infections = no symptoms

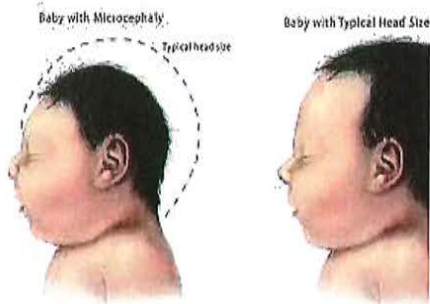
Zika Symptoms



- Low-grade fever
- Joint pain/swelling
- Muscle pain
- Rash
- Headache, retro-ocular pain
- Conjunctivitis
- Note: Guillain-Barre' Syndrome (GBS) has been reported post Zika

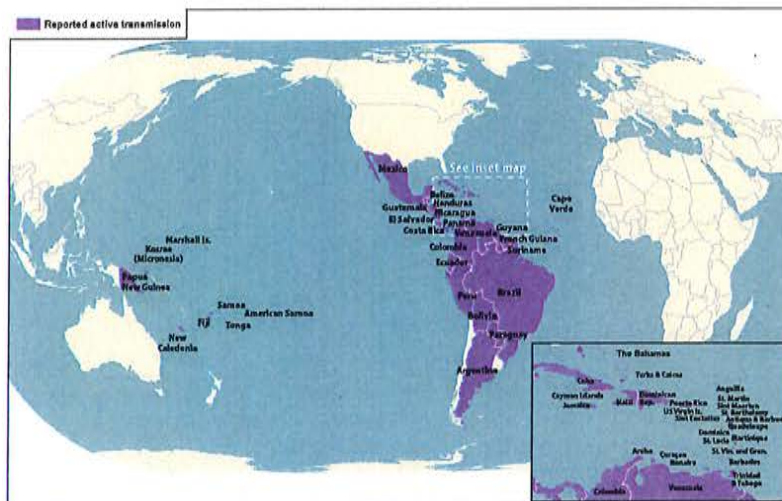
Zika Virus During Pregnancy

Microcephaly

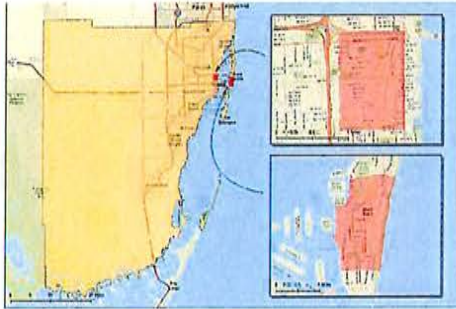


- Microcephaly
- Intracranial calcifications
- Ventriculomegaly
- Miscarriage
- Stillbirth
- Eye defects
- Hearing loss
- Impaired growth and development

Zika World Map



Zika in Florida



- Miami-Dade County
- Miami Beach
- 600+ imported cases
- 100+ locally acquired
- NOTE: all southern states are at risk for local transmission

Zika Update – Maricopa County

- 520+ people triaged (travelers and pregnant females)
- 22 cases – imported / travelers
- 430+ ruled-out
- 60+ lab testing pending

Zika Treatment

- No vaccine or specific treatment
- Supportive care
 - Treatment with aspirin and NSAIDs discouraged unless dengue has been ruled-out

Zika Prevention

- Mosquito avoidance – during & after travel
- Travel alert issued by CDC – pregnant mothers should NOT travel to Zika affected areas
- Pregnant women should abstain from sex or ensure condoms used during sex with men who have travelled to Zika affected areas for the duration of pregnancy
- Blood donors – wait 28+ days after returning from Zika active areas

Preventing Local Transmission

- For all returning travelers and suspected cases of Zika, chikungunya or dengue:
- Prevent mosquito bites for 3 weeks after return or onset.
- Notify public health officials immediately if you or any family members develop sx
- Check you property for mosquito breeding
- Remove, store or cover all containers

Zika Surveillance & Response

- Enhanced human case surveillance & testing
- Mosquito Surveillance – Valley wide trapping and targeted surveillance in case locations
- Environmental Response/Vector Control
- Prevention Education & Community Involvement

West Nile Virus (WNV) & St. Louis Encephalitis (SLEV)

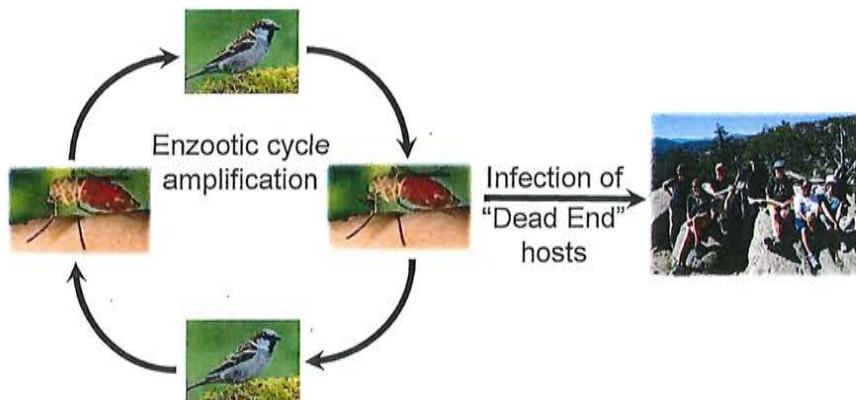


10/26/2016

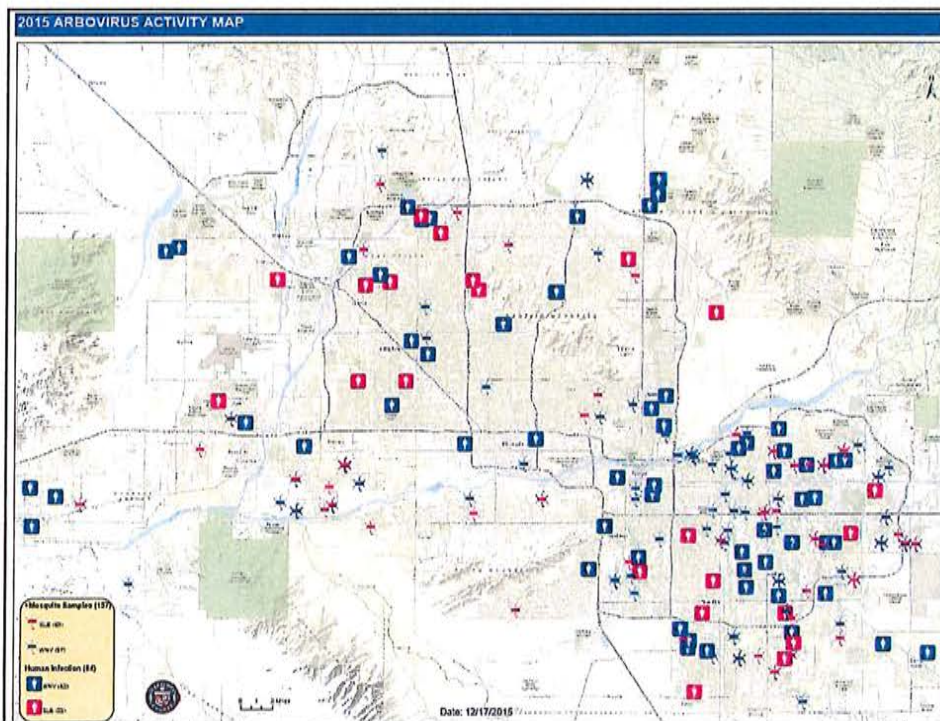
Footer

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SLEV transmission cycle



Culex Mosquito Breeding



Prevention

The best way to prevent arbovirus infection is to avoid mosquito exposure:

- Stay indoors if possible
- Use air conditioning and window/door screens
- Use mosquito repellents on exposed skin
- Wear long-sleeved shirts and long pants
- Empty standing water from outdoor containers
- Scrub & rinse insides of any containers that had water
- Remove, cover or properly store all containers to prevent water collection
- FIGHT THE BITE! DAY & NIGHT!



Questions?

