

FIGHT THE BITE: THE LATEST ON MOSQUITOES AND ZIKA VIRUS

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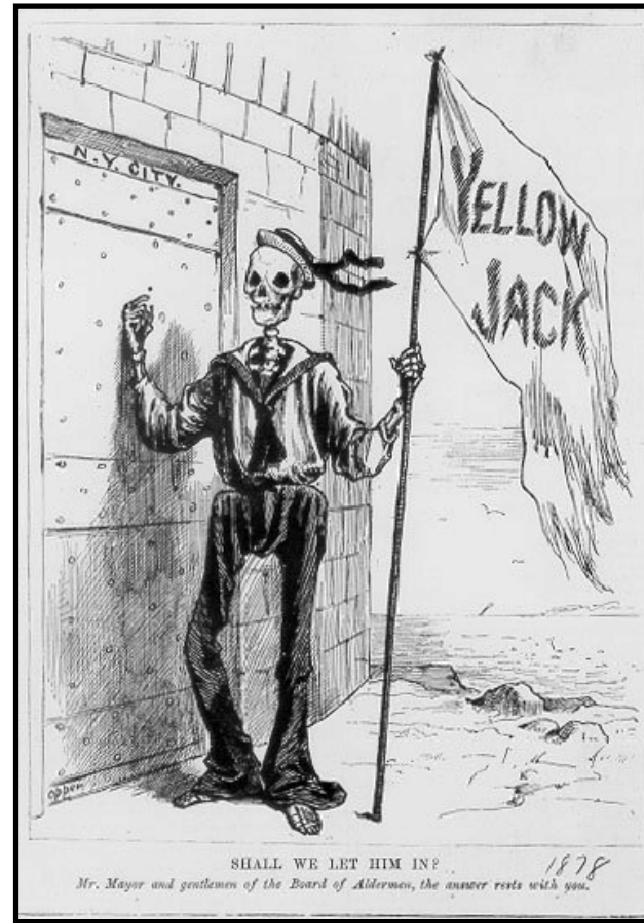
AGENDA

- The Mosquito Threat
- Mosquito Species
- Mosquito Characteristics
- Zika Virus Update
- Protect Your Property
- Looking Forward
- Q&A

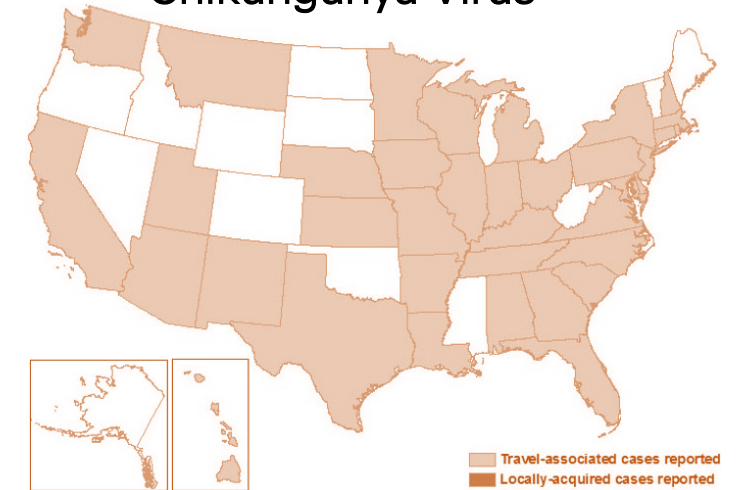
THE MOSQUITO THREAT

MOSQUITO-TRANSMITTED DISEASES

- West Nile Virus
- Malaria
- Dengue Fever
- Chikungunya
- Yellow Fever
- Zika Virus



Chikungunya Virus



West Nile Virus



MOSQUITO THREAT

- Mosquito habitats can increase during natural disasters



NOT ALL MOSQUITOES ARE BAD



Toxorhynchites Mosquito

MOSQUITO SPECIES

MOST COMMON MOSQUITOES IN THE U.S.



Aedes



Culex

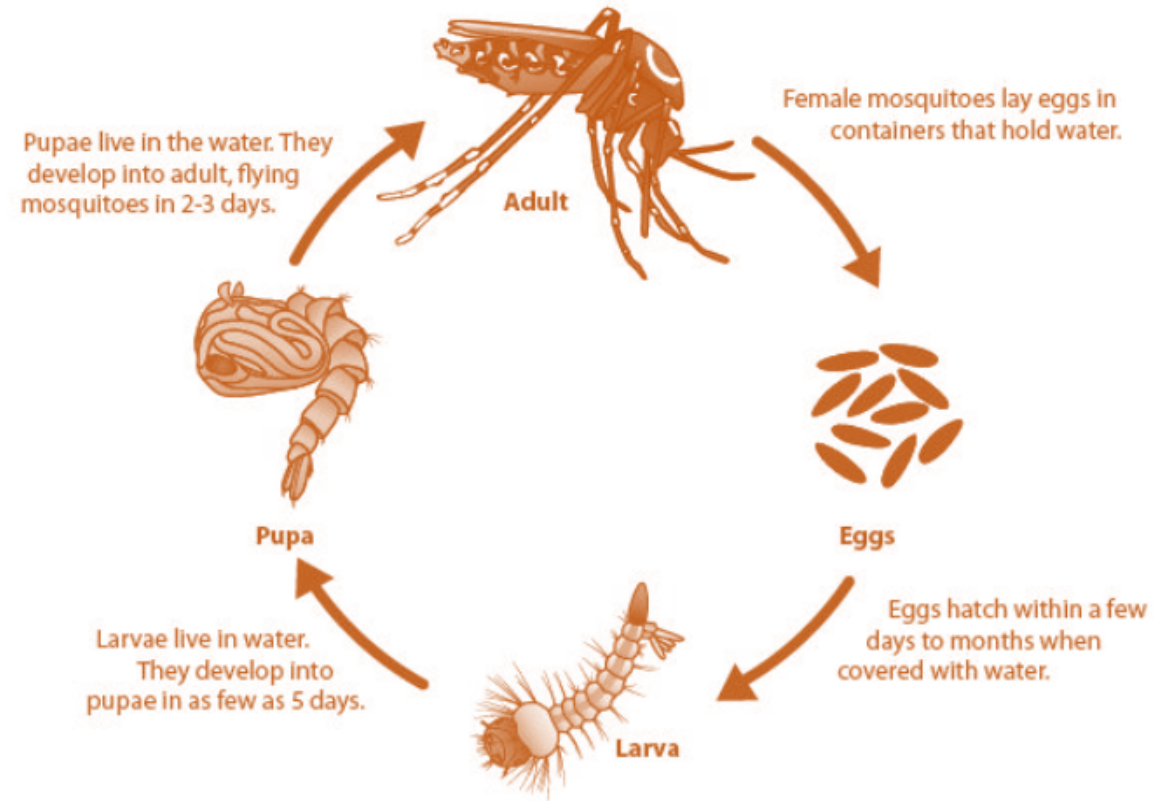


Anopheles

MOSQUITO CHARACTERISTICS

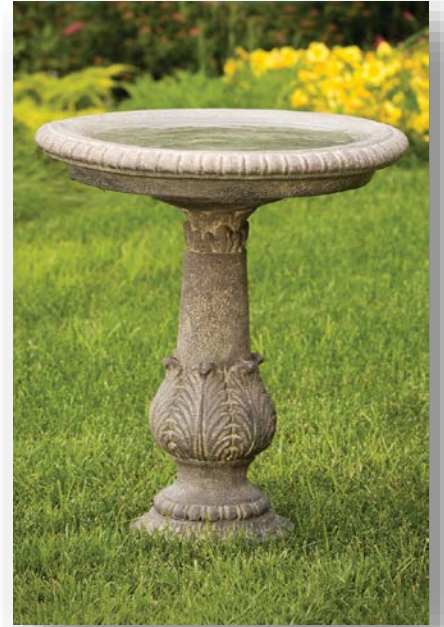
MOSQUITO LIFE CYCLE

- Only females feed on blood
- A single female can lay up to 3,000 eggs in her lifetime
- Only need a thimble-full of water to breed



MOSQUITO HABITATS

- Thrive in warm, humid climates
- Breed in stagnant water sources
- Seek out lush vegetation



ZIKA VIRUS UPDATE

WHAT IS ZIKA?

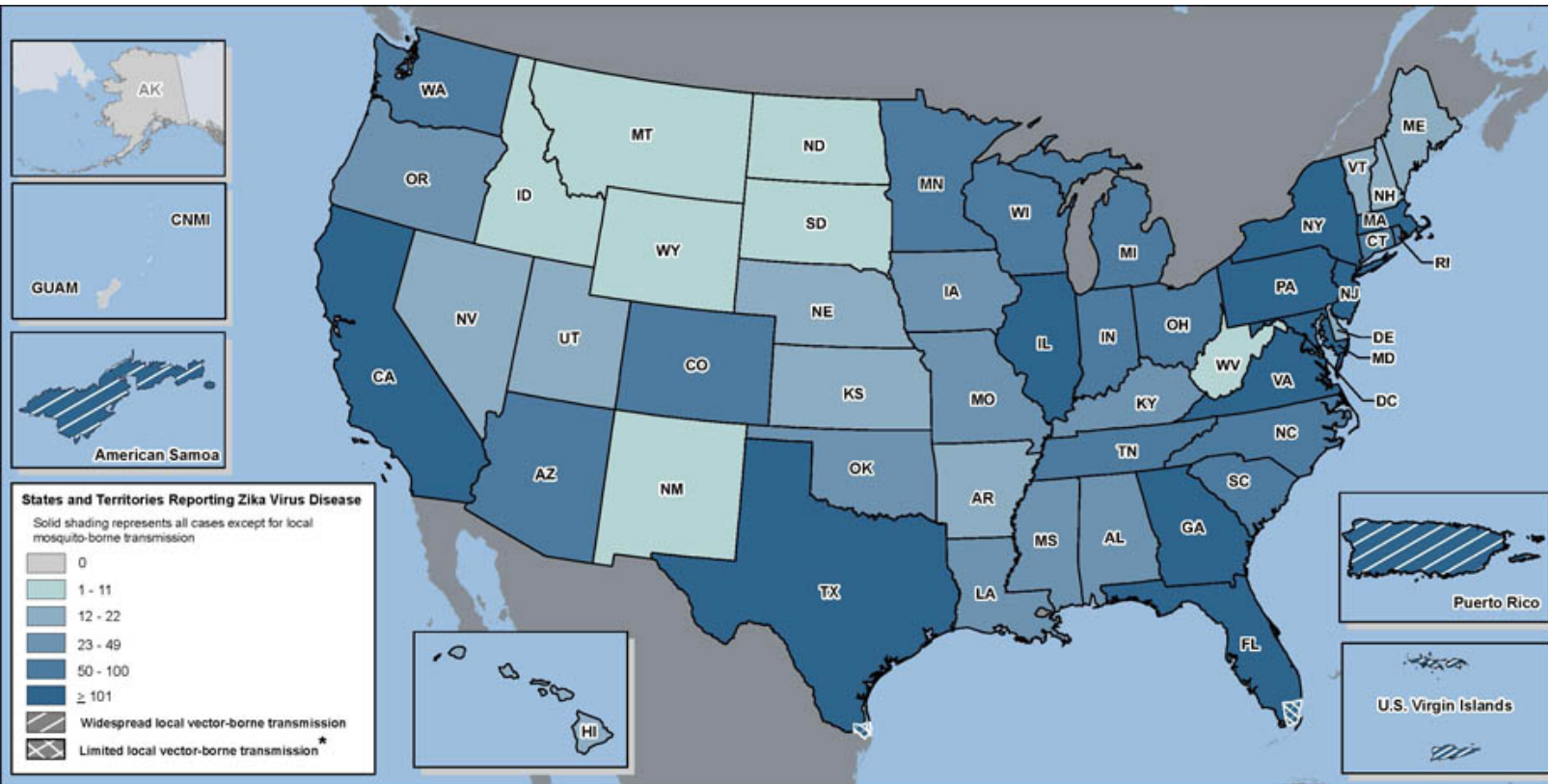
- Primarily transmitted through the bite of an infected *Aedes aegypti* species mosquito
- Can also be transmitted sexually and through blood transfusions
- Zika is a particular concern for pregnant women or are thinking of becoming pregnant.
 - Congenital Zika Syndrome – severe disfigurement in newborns

Range of Microcephaly Severity



WHERE IS ZIKA?

- 5,274 Zika cases reported in the U.S. since 2015
- 224 cases originated in Florida and Texas
- 1,793 pregnant U.S. women with possible Zika virus infection



*Map courtesy of the Centers for Disease Control, as of April 12, 2017

THE *Aedes Aegypti* MOSQUITO

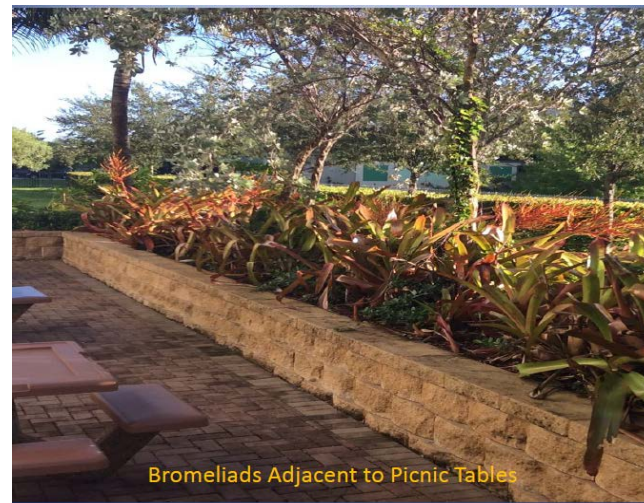
- Commonly found in the Southeastern U.S. and southern border states
- Thrives in warm and humid conditions
- Aggressive daytime biters, but can bite anytime



PROTECT YOUR PROPERTY

REDUCE POPULATIONS

- Eliminate standing water sources
 - Inspect property for long-term puddle formation
 - Keep water features circulating
 - Remove plants that hold water
 - Keep gutters clean to prevent rainwater buildup
 - Dump bird baths, pet water bowls and other items that collect water on a weekly basis



PREVENT ENTRY TO YOUR BUILDING

- Seal gaps
- Secure Screens
- Keep doors tightly shut
- Create positive airflow



PROTECT GUESTS AND STAFF

- Wear long-sleeved, light-colored clothing
- Avoid sweet smelling perfumes or cologne
- Use EPA-approved mosquito repellents



LOOKING FORWARD

FUTURE OF MOSQUITO-BORNE DISEASES



NEXT STEPS

- “No Silver Bullet”
- Mosquito treatment continues to evolve
- Pest management professionals are here to help



QUESTIONS?

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