

Regular Workshop – June 20, 2016
Agenda Item 13

Agenda Item: Zika Virus Update

Presenter: Town Manager and Staff

Summary: Due to the spread of the Zika Virus into the Continental United States and its threat to Florida, Town staff has been proactive in developing information for residents' awareness and protective measures.

Staff will provide a PowerPoint presentation to the Commission at the June 20, 2016 Regular Workshop Meeting.

Attachments: 6-10-16 Memo, Manager to Commission;
PowerPoint Presentation.

Recommended

Action: Pending discussion, provide direction to Manager.

M E M O R A N D U M

Date: June 10, 2016

TO: Town Commission
FROM: Dave Bullock, Town Manager
SUBJECT: Zika Virus Update

Staff has prepared and will present a brief presentation describing the Zika Virus and outlining efforts taken by Sarasota and Manatee Counties.

On January 22, 2016, CDC's Emergency Operations Center was activated for Zika and moved to Level 1 activation (highest level) on February 8, 2016. On February 1, 2016, The World Health Organization declared Zika Virus a Public Health Emergency of International Concern. As of May 25, 2016, 121 cases have been diagnosed in the State of Florida which constitutes for 20 percent of the total cases in the United States.

There are two forms of Zika Vector Mosquitos: Yellow Fever and Asian Tiger. They are found in man-made containers living within 100-200 feet of their birth site. Female mosquitos live approximately 42-56 days where males typically live only 10 days. A female mosquito can lay 100 eggs, up to three times in their life cycle.

The four basic control methods consist of source reduction, biological control, larviciding, and adulticiding. Sarasota and Manatee County have control mechanisms put into place to combat the mosquitos within the region. Both counties main focus is on educating the citizens and providing them the information to understand their responsibilities to lessen the mosquito population.

Zika Virus causes general symptoms related to a typical flu which are listed in the presentation along with treatment(s) and the life cycle of the virus. In order to prevent the minimum risk of contracting residents of Longboat Key can do some of the following; dump out containers with stagnant water, wear light clothes, and utilize repellents. In the presentation there are more examples the residents of Longboat Key can take in order to protect their overall safety.



ZIKA VIRUS UPDATE

Town Commission Regular Workshop

June 20, 2016



WHAT IS THE ZIKA VIRUS?

Zika Virus, was first discovered in Uganda in 1947, being transmitted by the same mosquitos that carry dengue fever, yellow fever, and other viruses. A mosquito bites an infected person and then passes those viruses to other people it bites. There have been 121 reported cases in Florida which represents 20% of all reported cases in the United States.



SYMPTOMS/TREATMENT/LIFE CYCLE

Symptoms: acute onset of low-grade fever, rash, joint, conjunctivitis (reddening of eye), body aches, headache, eye pain, and vomiting.

Treatment: No specific treatment. Want to treat the symptoms by getting plenty of rest, drink fluids, take pain reliever to reduce fever and/or pain. (AVOID ASPIRIN AND NSAIDS)

Life Cycle: Zika symptoms develop between 2 and 14 days after transmission. Spreading of the virus last up to a week after contraction.



GENERAL INFORMATION

- (2) Zika Vector Mosquitos
 - *Aedes aegypti* (Yellow Fever)
 - *Aedes albopictus* (Asian Tiger)
- Primarily active during the day right after sunrise and prior sunset.
- Found in mainly man-made containers.
- Stay within 100-200 feet during their lifespan from place of birth.
- Currently there have been no travel or locally inquired Zika in Manatee or Sarasota County



FOUR BASIC CONTROL METHODS

- 1) Source Reduction-Eliminate Habitats
- 2) Biological Control-Mosquito Fish
- 3) Larviciding- Pesticide to Larvae
- 4) Adulticiding- Pesticide to Flying Adults



MANATEE COUNTY MOSQUITO CONTROL

- Respond to citizen's concerns and requests for service by utilizing all four basic control methods.
- Educate the public on the importance of “premise sanitation” and personal protection.
- Ready with the proper tools to react immediately to any notification of imposed mosquito borne disease cases in order to minimize the risk of local disease transmission from occurring.
- May utilize nighttime helicopter spraying for larvae and flying adults if poor public response or high mosquito population.



SARASOTA COUNTY MOSQUITO CONTROL

- Mission to reduce mosquitos in an environmental responsible manner.
- Main focus is prevention by working with planners to avoid habitats from being created and target mosquitos in larvae stage.
- ULV (Ultra Low Volume) truck and wing aircraft spraying.
- Monitoring is another way by utilizing sentinel chickens, trapping, and field injections.
- Sarasota County focuses on outreach through exhibits and other forms of education.



WHAT CAN YOU DO?

- The 3 D's: Drain, Dress, and Defend
- Dump/drain containers with stagnant water i.e. bird baths, trash cans/lids, pool toys, certain plants
- Wear light colors, loose fitting clothes, long sleeves, long pants, and shoes during active mosquito times.
- Utilize repellents on bare skin and clothing. Repellents with DEET, picardin, oil of lemon eucalyptus, para-methane-diol, and IR 3535 are effective.
- Request House Calls:
 - Sarasota County 941-861-5000
 - Manatee County 941-722-3720



End of Agenda Item