

October 4, 2019

## HEALTH OFFICIALS ISSUE MOSQUITO-BORNE ILLNESSES ALERT

*~Additional Human Cases of Dengue Infection Confirmed~*



### Contact:

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Miami, FL – The Florida Department of Health in Miami-Dade County (DOH-Miami-Dade) is under a mosquito-borne illness alert. Three cases of dengue fever of local transmission have been confirmed in three Miami-Dade residents. Miami-Dade County has eight local cases in 2019. Two of the three local cases appear to be related.

Dengue is a virus spread through mosquito bites through the *Aedes* mosquitoes which also spread chikungunya and Zika virus. Most people infected with dengue have mild or no symptoms. Those that do develop symptoms recover after about one week.

The common symptoms of dengue are **fever** and **one or more of the following symptoms**: headache; eye pain (typically behind the eyes); muscle, joint, or bone pain; rash; nausea and vomiting; or unusual bleeding (nose or gum bleed, small red spots under the skin, or unusual bruising). Severe dengue can occur resulting in shock, internal bleeding, and death. If you or a family member develop the mentioned symptoms, visit your health care provider or local clinic.

DOH-Miami-Dade continues to advise the public to remain diligent in their personal mosquito protection efforts by remembering to “**Drain and Cover.**”

### **DRAIN standing water to stop mosquitoes from multiplying.**

- Drain water from garbage cans, house gutters, buckets, pool covers, coolers, toys, flower pots or any other containers where sprinkler or rain water has collected.
- Discard old tires, drums, bottles, cans, pots and pans, broken appliances and other items that aren't being used.
- Empty and clean birdbaths and pet's water bowls at least once or twice a week
- Protect boats and vehicles from rain with tarps that don't accumulate water.
- Maintain swimming pools in good condition and appropriately chlorinated. Empty plastic swimming pools when not in use.

### **COVER skin with clothing or repellent.**

- Clothing - Wear shoes, socks, and long pants and long-sleeves. This type of protection may be necessary for people who must work in areas where mosquitoes are present.
- Repellent - Apply mosquito repellent to bare skin and clothing.
  - Always use repellents according to the label. Repellents with DEET, picaridin, oil of lemon eucalyptus, para-menthane-diol, and IR3535 are effective.
  - Use mosquito netting to protect children younger than 2 months old.

### **Tips on Repellent Use**

- Always read label directions carefully for the approved usage before you apply a repellent. Some repellents are not suitable for children.
- Products with concentrations of up to 30 percent DEET (N, N-diethyl-m-toluamide) are generally recommended. Other U.S. Environmental Protection Agency-approved repellents contain picaridin, oil of lemon eucalyptus, para-menthane-diol, or IR3535. These products are generally available at local pharmacies. Look for active ingredients to be listed on the product label.

- Apply insect repellent to exposed skin, or onto clothing, but not under clothing.
- In protecting children, read label instructions to be sure the repellent is age-appropriate. According to the Centers for Disease Control and Prevention (CDC), mosquito repellents containing oil of lemon eucalyptus should not be used on children under the age of three years. DEET is not recommended on children younger than two months old.
- Avoid applying repellents to the hands of children. Adults should apply repellent first to their own hands and then transfer it to the child's skin and clothing.
- If additional protection is necessary, apply a permethrin repellent directly to your clothing. Again, always follow the manufacturer's directions.

**COVER doors and windows with screens to keep mosquitoes out of your house.**

- Repair broken screening on windows, doors, porches, and patios.

For more information on what repellent is right for you, consider using the Environmental Protection Agency's search tool to help you choose skin-applied repellent products:

<http://cfpub.epa.gov/oppref/insect/#searchform>.

The Department continues to conduct statewide surveillance for mosquito-borne illnesses, including West Nile virus infections, Eastern equine encephalitis, St. Louis encephalitis, malaria, chikungunya, and dengue. Residents of Florida are encouraged to report dead birds via the Florida Fish and Wildlife Conservation Commission's site - <http://legacy.myfwc.com/bird/default.asp>. For more information, visit DOH's website at <http://www.floridahealth.gov/%5C/diseases-and-conditions/mosquito-borne-diseases/index.html> or contact DOH-Miami-Dade County.

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