HOW TO PROTECT YOURSELF FROM MOSQUITO-BORNE DISEASES

To avoid contracting these diseases, people should avoid getting bit by mosquitoes.

- Wear long loose fitting clothing.
- Apply bug repellent (we recommend repellents containing DEET).
- Dump, drain, or cover any standing water around your house.

FOR MORE INFORMATION ABOUT ARBOVIRUSES AND PREVENTION PLEASE VISIT:

Anastasia Mosquito Control District
www.amcdsjc.com

Centers for Disease Control & Prevention
www.cdc.gov

Division of Environmental Health
www.doh.state.fl.us/environment/community/arboviral

Florida Medical Entomology Laboratory
www.mosquito.ifas.ufl.edu

United States Department of Agriculture
www.usda.gov

Anastasia Mosquito Control District of St. Johns County
120 EOC Drive
St. Augustine, Fl 32092
(904) 471-3107
www.amcdsjs.org
**What is an Arbovirus?**
An Arbovirus is a virus that is spread to people by mosquitoes, ticks, or other arthropods.

**What Mosquito-Borne Arboviruses Currently Exist in St. Johns County?**
Possible mosquito-borne arboviruses in St. Johns County include, but are not limited to, West Nile Virus (WNV), St. Louis Encephalitis Virus (SLEV), and Eastern Equine Encephalitis Virus (EEEV).

**Other Diseases That Have Been Transmitted:**
Malaria, Yellow Fever virus, Dengue Fever, Zika virus, and Chikungunya virus.

**Are There Vaccines Available for EEEV or WNV?**
Unfortunately, there are no EEEV or WNV vaccines for humans; however, there are vaccines available for horses.

**West Nile Virus**

**How is WNV transmitted?**
WNV transmission happens when a mosquito bites a bird infected with WNV, then that same mosquito bites a human, horse, or other animal.

**How serious is WNV?**
1 in 150 people with WNV will develop severe illness, while some will have minor symptoms. Approximately eighty percent (80%) of infected people will not show symptoms at all. Symptoms may include high fever, headache, neck stiffness, stupor, disorientation, coma, tremors, convulsion, muscle weakness, vision loss, numbness, or paralysis.

**Eastern Equine Encephalitis Virus**

**How is EEEV transmitted?**
EEEV transmission happens when a mosquito bites a bird infected with EEEV, then that same mosquito bites a human or horse.

**How Serious is EEEV?**
EEEV is one of the most serious mosquito-borne viruses in the United States because of its high mortality rate. One-third of infected people will die, while half of those who survive will have mild to severe neurological damage. Symptoms can range from mild flu-like symptoms to coma or even death.

**Other Diseases That Have Been Transmitted:**
Malaria, Yellow Fever virus, Dengue Fever, Zika virus, and Chikungunya virus.