

## WEST NILE VIRUS

Transmitted by *Culex* Mosquito.



*Culex sp.* spread WNV & SLE.

Aggressive **dusk/dawn** biters. Target **Birds**.

Lay eggs on/in standing water.

Flight range is over 1 mile.

Mosquito transmission bird to bird.

Prefer birds. Human hosts are incidental.

Blood transfusion transmission is possible.

80% – No symptoms. **20% – Febrile illness (sick & joint pain)**. 1% – (Less than 1%) Neurologic Illness.

No vaccine available. Incubation is 2-6 days.

Most at risk patients (cancer, diabetes, hypertension, & kidney disease patients).

People with mild symptoms recover on their own. People with severe cases are often hospitalized to receive supportive treatment.

Use Repellents (e.g. DEET). Dress appropriately (pants/long sleeves). Screen windows & doors. **Remove standing water.**

**Truck-spray** all roadways within ½ Mile Radius of infected Mosquito.

## ZIKA

Transmitted by *Aedes* Mosquito.



*Aedes sp.* spread ChikV, Zika, & Dengue.

Aggressive **daytime** biters. Target **Humans**.

Lay eggs on surfaces of containers.

Flight range is 200 meters.

Mosquito transmission person to person.

Prefer Humans and other Mammals.

Sexual transmission of Zika virus can occur.

Blood transfusion transmission is possible.

80% – No symptoms. **20% – Flu like symptoms**. Deaths due to Zika are rare. Increasing evidence of **baby birth** defects.

Mild - Symptoms last 3 to 7 days. Fever, rash, joint pain, red eyes, muscle pain, headache, pain behind the eyes and vomiting.

Symptoms can be treated like the Flu. However, **avoid aspirin and other blood thinners** until Dengue is ruled out.

**Permission to Inspect & Treat Private Property Form.** Inspect for larva, adults, standing water, & Spray.

**Backpack-spray** front and back yards adjacent to infected property **upon TCPH's Recommendation.**

**Educate** door to door informational handouts and Inspection forms within 200 meters **upon TCPH's Recommendation.**

**TCPH Hotline: 817-248-6299**