

## STATE PUBLIC HEALTH OFFICIALS ANNOUNCE SEASON'S FIRST POSITIVE MOSQUITO SAMPLE FOR WEST NILE VIRUS

*Residents urged to cover up, use bug spray to avoid getting bitten*

**BOSTON** – Wednesday, July 9, 2014- The Massachusetts Department of Public Health (DPH) announced today that West Nile virus (WNV) has been detected in a mosquito in Massachusetts for the first time this year. A WNV infection was confirmed by the State Laboratory Institute today in a mosquito sample which was collected on July 3 in the Town of Clinton. No human cases of WNV or Eastern Equine Encephalitis (EEE) have been detected so far this year. There are no risk level changes associated with this finding.

“Today’s findings are a reminder of the importance of protecting ourselves and our families from the threat of mosquito-borne illness,” said DPH State Public Health Veterinarian Dr. Catherine Brown. “Personal prevention consists of using mosquito repellents, wearing long loose clothing to reduce skin exposure, making sure screens are tightly fitting and dumping standing water. Because of the very warm weather and the periodic thunderstorms we’ve been having, dumping standing water is especially important.”

WNV is usually transmitted to humans through the bite of an infected mosquito. In 2013, there were eight human cases of WNV infection identified in Massachusetts. While WNV can infect people of all ages, people over the age of 50 are at higher risk for severe disease. Most people infected with WNV will have no symptoms. When present, WNV symptoms tend to include fever and flu-like illness. In rare cases, more severe illness can occur.

People have an important role to play in protecting themselves and their loved ones from illnesses caused by mosquitoes.

### **Avoid Mosquito Bites**

Apply Insect Repellent when Outdoors. Use a repellent with DEET (N, N-diethyl-m-toluamide), permethrin, picaridin (KBR 3023), oil of lemon eucalyptus [p-methane 3, 8-diol (PMD)] or IR3535 according to the instructions on the product label. DEET products should not be used on infants under two months of age and should be used in concentrations of 30% or less on older children. Oil of lemon eucalyptus should not be used on children under three years of age.

Be Aware of Peak Mosquito Hours. The hours from dusk to dawn are peak biting times for many mosquitoes. Consider rescheduling outdoor activities that occur during evening or early morning.

Clothing Can Help Reduce Mosquito Bites. Wearing long-sleeves, long pants and socks when outdoors will help keep mosquitoes away from your skin.

### **Mosquito-Proof Your Home**

Drain Standing Water. Mosquitoes lay their eggs in standing water. Limit the number of places around your home for mosquitoes to breed by either draining or discarding items that hold water. Check rain gutters and drains. Empty any unused flowerpots and wading pools, and change water in birdbaths frequently.

Install or Repair Screens. Keep mosquitoes outside by having tightly-fitting screens on all of your windows and doors.

**Protect Your Animals**

Animal owners should reduce potential mosquito breeding sites on their property by eliminating standing water from containers such as buckets, tires, and wading pools – especially after heavy rains. Water troughs provide excellent mosquito breeding habitats and should be flushed out at least once a week during the summer months to reduce mosquitoes near paddock areas. Horse owners should keep horses in indoor stalls at night to reduce their risk of exposure to mosquitoes. Owners should also speak with their veterinarian about mosquito repellents approved for use in animals and vaccinations to prevent WNV and EEE. If an animal is diagnosed with WNV or EEE, owners are required to report to DAR, Division of Animal Health by calling [617-626-1795](tel:617-626-1795) and to the Department of Public Health (DPH) by calling [617-983-6800](tel:617-983-6800).

More information, including all WNV and EEE positive results, can be found on the Arbovirus Surveillance Information web page at [www.mass.gov/dph/mosquito](http://www.mass.gov/dph/mosquito) or by calling the DPH Epidemiology Program at [617-983-6800](tel:617-983-6800).

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