

# **Mosquito-borne Virus Test Results**

**For the week ending September 21, 2012**

**In This Update:** West Nile virus activity (mosquito, bird, human and/or equine) has been identified in all 21 counties in New Jersey. Eastern equine encephalitis activity (mosquito and/or equine) has been identified in 8 counties in New Jersey including Atlantic, Burlington, Camden, Cape May, Gloucester, Monmouth, Ocean and Salem.

## **Human Testing**

The New Jersey Department of Health (NJDOH) has identified the following:

- To date, there have been 31 cases of West Nile virus (WNV) reported from the following 15 counties: Atlantic (1), Bergen (2), Burlington (2), Camden (4), Cape May (1), Essex (3), Gloucester (2), Hudson (1), Mercer (1), Middlesex (4), Monmouth (2), Ocean (4), Passaic (1), Salem (1) and Somerset (2). The case from Monmouth was exposed in Ocean county; the case in Hudson was exposed out of state.
- The case in Burlington county resulted in a fatality.

## **Avian Testing**

The NJDOH Public Health and Environmental Laboratories (PHEL) tests select bird species for WNV infection.

- To date, 269 birds were tested for WNV.
- A total of 117 WNV positive birds have been identified from the following 13 counties: Atlantic (4), Burlington (8), Cape May (2), Cumberland (5), Gloucester (1), Hunterdon (8), Mercer (3), Monmouth (8), Morris (22), Ocean (26), Somerset (2), Sussex (11) and Warren (17).

## **Mosquito Testing**

The NJDOH PHEL and the Cape May Department of Mosquito Control Bio-safety Level 3 (CMBSL3) Laboratory test mosquitoes for the following viruses:

### **West Nile virus (WNV):**

- To date, 9,124 mosquito pools have been tested for WNV by the NJDOH PHEL and CMBSL3 Laboratory.
- A total of 952 WNV positive mosquito pools were detected in the following 20 counties: Atlantic (5), Bergen (156), Burlington (30), Camden (46), Cape May (17), Essex (28), Gloucester (61), Hudson (77), Hunterdon (56), Mercer (70), Middlesex (84), Monmouth (11), Morris (73), Ocean (15), Passaic (11), Salem (2), Somerset (39), Sussex (33), Union (114) and Warren (24).

### **Eastern equine encephalitis virus (EEE):**

- To date, 2,030 mosquito pools have been tested for EEE by the NJDOH PHEL and CMBSL3 Laboratory.

- A total of 27 EEE positive mosquito pools were detected in the following 8 counties: Atlantic (1), Burlington (3), Camden (8), Cape May (2), Gloucester (7), Monmouth (2), Ocean (1) and Salem (3).

**St. Louis encephalitis virus (SLE):**

- To date, 619 mosquito pools have been tested for SLE by the NJDOH PHEL.
- No SLE positive mosquito pools have been identified.

**La Crosse encephalitis virus (LAC):**

- To date, 141 mosquito pools have been tested for LAC by the NJDOH PHEL and CMBSL3 Laboratory.
- No LAC positive mosquito pools have been identified.

**Horse Testing**

Equine testing for WNV and EEE is conducted at the New Jersey Department of Agriculture's animal health laboratory.

- A total of 6 equine cases of EEE were identified from Atlantic (1), Burlington (2) and Camden (3) counties.
- A total of 3 equine cases of WNV were identified from Monmouth (2) and Salem (1) counties.
- For more information on equine testing, visit the Department of Agriculture website at [www.state.nj.us/agriculture](http://www.state.nj.us/agriculture).