

# **Mosquito-borne Virus Test Results**

**For the week ending October 19, 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 9 counties in New Jersey including Atlantic, Burlington, Camden, Cape May, Cumberland, Gloucester, Monmouth, Ocean and Salem.

## **Human Testing**

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

- To date, there have been 45 cases of West Nile virus (WNV) reported from the following 16 counties: Atlantic (1), Bergen (4), Burlington (2), Camden (5), Cape May (1), Essex (4), Gloucester (2), Hudson (1), Mercer (1), Middlesex (4), Monmouth (3), Ocean (9), Passaic (4), Salem (1), Somerset (2) and Union (1).
- Of the 45 cases, 5 fatalities have been reported from the following counties: Burlington (1), Gloucester (1), Ocean (1) and Passaic (2).

## **Avian Testing**

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

- To date, 301 birds were tested for WNV.
- A total of 132 WNV positive birds have been identified from the following 14 counties: Atlantic (4), Bergen (1), Burlington (8), Cape May (2), Cumberland (5), Gloucester (1), Hunterdon (9), Mercer (3), Monmouth (8), Morris (23), Ocean (29), Somerset (2), Sussex (14) and Warren (23).

## **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, 10,981 mosquito pools have been tested for WNV by the NJDOH PHEL and CMBSL3 Laboratory.
- A total of 1,020 WNV positive mosquito pools were detected in the following 20 counties: Atlantic (5), Bergen (166), Burlington (34), Camden (47), Cape May (30), Essex (28), Gloucester (62), Hudson (79), Hunterdon (74), Mercer (70), Middlesex (86), Monmouth (12), Morris (73), Ocean (16), Passaic (11), Salem (2), Somerset (46), Sussex (41), Union (114) and Warren (24).

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

- To date, 2,478 mosquito pools have been tested for EEE by the NJDOH PHEL and CMBSL3 Laboratory.

- A total of 33 EEE positive mosquito pools were detected in the following 9 counties: Atlantic (1), Burlington (3), Camden (8), Cape May (5), Cumberland (2) Gloucester (7), Monmouth (3), Ocean (1) and Salem (3).

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

- To date, 624 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, 165 mosquito pools have been tested for LAC by the NJDOH PHEL and CMBSL3 Laboratory.
- No LAC positive mosquito pools have been identified.

**Horse / Animal Testing**

Equine and other animal 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 5 equine cases of WNV were identified from Atlantic (1), Monmouth (2), Salem (1) and Sussex (1) counties.
- A total of 1 alpaca case of WNV was identified from Gloucester county.
- For more information on equine testing, visit the Department of Agriculture website at [www.state.nj.us/agriculture](http://www.state.nj.us/agriculture).