

# Mosquito-borne Virus Test Results

For the week ending Thursday September 3, 2015

## ***In This Update:***

- ***West Nile virus activity (mosquito and/or avian) has been identified in all 21 counties.***
- ***Eastern equine encephalitis activity (mosquito and/or equine) has been identified in 5 counties: Burlington, Camden, Cape May, Gloucester and Salem.***

## Number of Positive WNV Mosquito Pools as of 9/3/15

- - 1-25
- - 26-50
- - 51-75
- - 76-100



## **Human Testing**

The New Jersey Department of Health (NJDOH) Public Health and Environmental Laboratories (PHEL) tests blood and other clinical samples from people suspected of having West Nile virus (WNV), Eastern equine encephalitis (EEE) and St. Louis encephalitis (SLE) infection.

- 7 WNV positive cases in the following counties: Bergen (1), Burlington (1), Camden (1), Cumberland (1), Gloucester (1), Middlesex (1) and Passaic (1).
- The case in Passaic county resulted in a fatality.

## **Avian Testing**

The NJDOH PHEL tests select bird species for WNV infection.

- To date, 45 birds were tested for WNV from 15 counties, including Atlantic, Bergen, Burlington, Cape May, Cumberland, Essex, Gloucester, Hunterdon, Mercer, Monmouth, Morris, Ocean, Passaic, Salem and Warren.
- 15 WNV positive birds have been identified in the following counties: Atlantic (1), Bergen (1), Burlington (1), Cumberland (4), Gloucester (1), Hunterdon (1), Monmouth (2), Ocean (3) and Salem (1).

## 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, mosquito pools from all 21 counties have been tested for WNV.
- 496 WNV positive mosquito pools have been identified from the following counties: Atlantic (1), Bergen (47), Burlington (15), Camden (49), Cape May (22), Cumberland (3), Essex (8), Gloucester (51), Hudson (49), Hunterdon (7), Mercer (23), Middlesex (54), Monmouth (22), Morris (28), Ocean (18), Passaic (4), Salem (5), Somerset (4), Sussex (3), Union (77) and Warren (6).

### Eastern equine encephalitis virus (EEE):

- To date, mosquito pools from 11 counties have been tested for EEE (Atlantic, Burlington, Camden, Cape May, Cumberland, Gloucester, Mercer, Middlesex, Monmouth, Ocean and Salem).
- 17 EEE positive pools have been identified in the following counties: Burlington (4), Camden (7), Cape May (5) and Salem (1).

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

- To date, mosquito pools from 1 county have been tested for SLE (Cape May).
- No SLE positive mosquito pools have been identified.

### La Crosse encephalitis virus (LAC):

- To date, mosquito pools from 1 county have been tested for LAC (Cape May).
- No LAC positive mosquito pools have been identified.

### Chikungunya virus (CHIKV):

- To date, mosquito pools have been tested for CHIKV from 13 counties (Atlantic, Burlington, Camden, Cape May, Cumberland, Gloucester, Hudson, Mercer, Middlesex, Monmouth, Morris, Salem and Warren).
- No CHIKV positive mosquito pools have been identified.

### Dengue virus (DENV):

- To date, mosquito pools have been tested for DENV from 12 counties (Atlantic, Burlington, Camden, Cumberland, Gloucester, Hudson, Mercer, Middlesex, Monmouth, Morris, Salem and Warren).
- No DENV 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 horse from Gloucester county tested positive for EEE.

## For More Information

- West Nile Virus: [www.state.nj.us/health/cd/westnile](http://www.state.nj.us/health/cd/westnile)
- Eastern Equine Encephalitis: [www.state.nj.us/health/cd/eee/index.shtml](http://www.state.nj.us/health/cd/eee/index.shtml)
- St. Louis Encephalitis Virus: [www.state.nj.us/health/cd/sle/index.shtml](http://www.state.nj.us/health/cd/sle/index.shtml)
- La Crosse Encephalitis Virus: <http://www.cdc.gov/lac/>
- Chikungunya Virus: [www.cdc.gov/chikungunya](http://www.cdc.gov/chikungunya)
- Dengue Virus: [www.state.nj.us/health/cd/dengue/index.shtml](http://www.state.nj.us/health/cd/dengue/index.shtml)
- Equine Testing: [www.state.nj.us/agriculture](http://www.state.nj.us/agriculture)