

Mosquito-borne Virus Test Results

For the week ending August 22, 2014

In This Update: West Nile virus activity (mosquito and/or avian) has been identified in 19 counties: Atlantic, Bergen, Burlington, Camden, Cape May, Essex, Gloucester, Hudson, Hunterdon, Mercer, Middlesex, Monmouth, Morris, Ocean, Passaic, Somerset, Sussex, Union and Warren. Eastern equine encephalitis activity (mosquito only) has been identified in 3 counties: Burlington, Cape May and Gloucester.

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.

- 2 WNV positive cases in the following counties: Gloucester (1) and Monmouth (1).

Avian Testing

The NJDOH PHEL tests select bird species for WNV infection.

- To date, 91 birds were tested for WNV from 16 counties, including Atlantic, Bergen, Burlington, Cape May, Cumberland, Essex, Hunterdon, Mercer, Middlesex, Monmouth, Morris, Ocean, Passaic, Salem, Sussex and Warren.
- 11 WNV positive birds have been identified in the following 4 counties: Atlantic (2), Burlington (1), Mercer (1), Monmouth (1) and Ocean (6).

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.
- 303 WNV positive mosquito pools have been identified from the following 19 counties: Atlantic (15), Bergen (54), Burlington (8), Camden (20), Cape May (1), Essex (3), Gloucester (15), Hudson (35), Hunterdon (4), Mercer (29), Middlesex (39), Monmouth (5), Morris (3), Ocean (6), Passaic (16), Somerset (5), Sussex (1), Union (42) and Warren (2).

Eastern equine encephalitis virus (EEE):

- To date, mosquito pools from 9 counties have been tested for EEE (Atlantic, Burlington, Camden, Cumberland, Cape May, Gloucester, Monmouth, Ocean and Salem).
- 8 EEE positive mosquito pools have been identified from the following 3 counties: Burlington (4), Cape May (3) and Gloucester (1).

St. Louis encephalitis virus (SLE):

- To date, mosquito pools have been tested for SLE from 1 county (Burlington).

- No SLE positive mosquito pools have been identified.

La Crosse encephalitis virus (LAC):

- To date, mosquito pools from 3 counties have been tested for LAC (Burlington, Cape May and Salem).
- No LAC positive mosquito pools have been identified.

Chikungunya virus (CHIKV):

- To date, mosquito pools have been tested for CHIKV from 14 counties (Atlantic, Burlington, Camden, Cape May, Cumberland, Gloucester, Hudson, Mercer, Middlesex, Monmouth, Morris, Passaic, Salem and Somerset).
- No CHIKV positive mosquito pools have been identified.

Dengue virus (DENV):

- To date, mosquito pools have been tested for DENV from 14 counties (Atlantic, Burlington, Camden, Cape May, Cumberland, Gloucester, Hudson, Mercer, Middlesex, Monmouth, Morris, Passaic, Salem and Somerset).
- 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.

- No WNV or EEE equine cases have been identified.
- For more information on equine testing, visit the Department of Agriculture website at www.state.nj.us/agriculture.