

Mosquito-borne Virus Test Results

For the week ending September 12, 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 6 counties: Burlington, Camden, Cape May, Gloucester, Ocean and Salem.

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.

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

Avian Testing

The NJDOH PHEL tests select bird species for WNV infection.

- To date, 106 birds were tested for WNV from 17 counties, including Atlantic, Bergen, Burlington, Cape May, Cumberland, Essex, Hunterdon, Mercer, Middlesex, Monmouth, Morris, Ocean, Passaic, Salem, Sussex, Union and Warren.
- 15 WNV positive birds have been identified in the following 7 counties: Atlantic (2), Burlington (1), Mercer (1), Monmouth (1), Morris (1), Ocean (8) and Passaic (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.
- 491 WNV positive mosquito pools have been identified from the following 19 counties: Atlantic (19), Bergen (106), Burlington (15), Camden (28), Cape May (3), Essex (4), Gloucester (27), Hudson (61), Hunterdon (7), Mercer (43), Middlesex (46), Monmouth (9), Morris (5), Ocean (6), Passaic (19), Somerset (9), Sussex (2), Union (77) and Warren (5).

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).

- 24 EEE positive mosquito pools have been identified from the following 6 counties: Burlington (11), Camden (3), Cape May (6), Gloucester (1), Ocean (2) and Salem (1).

St. Louis encephalitis virus (SLE):

- To date, mosquito pools have been tested for SLE from 2 counties (Burlington and Cape May).
- 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 17 counties (Atlantic, Bergen, Burlington, Camden, Cape May, Cumberland, Gloucester, Hudson, Mercer, Middlesex, Monmouth, Morris, Ocean, Passaic, Salem, Somerset and Warren).
- No CHIKV positive mosquito pools have been identified.

Dengue virus (DENV):

- To date, mosquito pools have been tested for DENV from 17 counties (Atlantic, Bergen, Burlington, Camden, Cape May, Cumberland, Gloucester, Hudson, Mercer, Middlesex, Monmouth, Morris, Ocean, Passaic, Salem, Somerset 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.

- 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.