

Mosquito-borne Virus Test Results

For the week ending September 27, 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 35 cases of West Nile virus (WNV) reported from the following 15 counties: Atlantic (1), Bergen (2), Burlington (2), Camden (5), Cape May (1), Essex (3), Gloucester (2), Hudson (1), Mercer (1), Middlesex (4), Monmouth (2), Ocean (7), Passaic (1), Salem (1) and Somerset (2).
- Two fatalities have been reported: one each in Burlington and Ocean counties.

Avian Testing

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

- To date, 280 birds were tested for WNV.
- A total of 123 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 (23), Ocean (27), Somerset (2), Sussex (13) and Warren (19).

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, 9,440 mosquito pools have been tested for WNV by the NJDOH PHEL and CMBSL3 Laboratory.
- A total of 957 WNV positive mosquito pools were detected in the following 20 counties: Atlantic (5), Bergen (156), Burlington (31), Camden (47), Cape May (20), 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, 2,120 mosquito pools have been tested for EEE by the NJDOH PHEL and CMBSL3 Laboratory.

- A total of 30 EEE positive mosquito pools were detected in the following 9 counties: Atlantic (1), Burlington (3), Camden (8), Cape May (2), Cumberland (2), Gloucester (7), Monmouth (3), Ocean (1) and Salem (3).

St. Louis encephalitis virus (SLE):

- To date, 621 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, 146 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.