

Mosquito-borne Virus Test Results

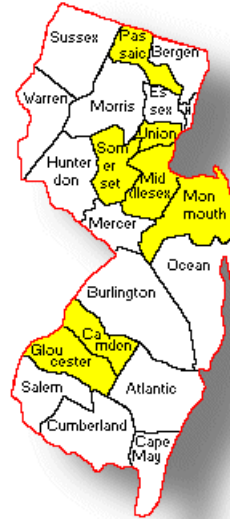
End of Year 2016

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), St. Louis encephalitis (SLE) and Zika virus (ZIKV) infection.

- In 2016, there were 11 WNV positive cases from the following counties: Camden (2), Gloucester (1), Middlesex (2), Monmouth (1), Passaic (1), Somerset (1) and Union (3).

2016 NJ Counties Reporting Human WNV Cases



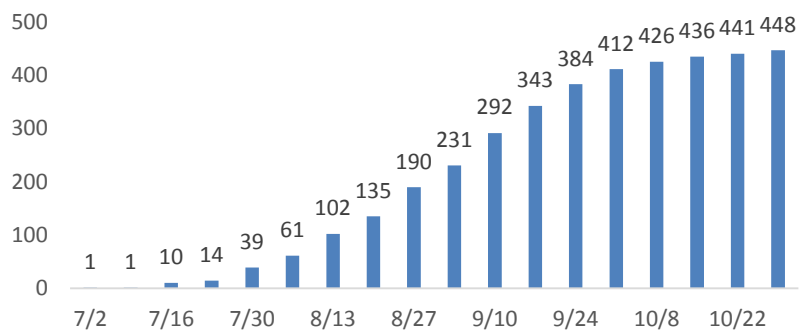
Mosquito Testing

The NJDOH PHEL and the Cape May Department of Mosquito Control Bio-safety Level 3 (CMBSL3) Laboratory test mosquitoes for the following viruses:

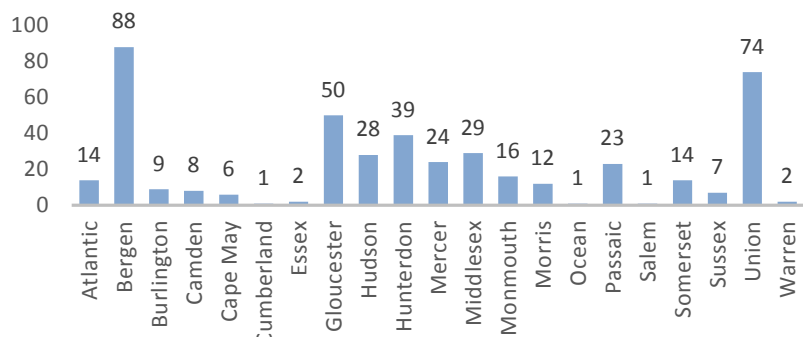
West Nile virus (WNV):

- In 2016, mosquito pools from all 21 counties were tested for WNV.
- 448 WNV positive mosquito pools were identified from the following counties: Atlantic (14), Bergen (88), Burlington (9), Camden (8), Cape May (6), Cumberland (1), Essex (2), Gloucester (50), Hudson (28), Hunterdon (39), Mercer (24), Middlesex (29), Monmouth (16), Morris (12), Ocean (1), Passaic (23), Salem (1), Somerset (14), Sussex (7), Union (74) and Warren (2).

2016 Total WNV Positive Mosquito Pools by Week in NJ



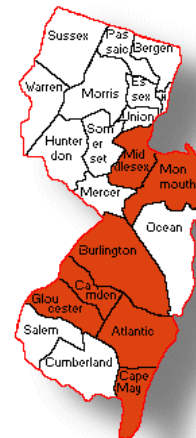
2016 Total WNV Positive Mosquito Pools by NJ County



Eastern equine encephalitis virus (EEE):

- In 2016, mosquito pools from 14 counties were tested for EEE (Atlantic, Burlington, Camden, Cape May, Cumberland, Gloucester, Middlesex, Monmouth, Morris, Ocean, Passaic, Salem, Sussex and Union).
- 11 EEE positive mosquito pools were identified from the following counties: Atlantic (1), Burlington (1), Camden (2), Cape May (2), Gloucester (1), Middlesex (3) and Monmouth (1).

2016 NJ Counties with EEE Positive Mosquito Pools



St. Louis encephalitis virus (SLE):

- In 2016, mosquito pools from 2 counties were tested for SLE (Burlington and Cape May).
- No SLE positive mosquito pools were identified.

La Crosse encephalitis virus (LAC):

- In 2016, mosquito pools from 1 county were tested for LAC (Burlington).
- No LAC positive mosquito pools were identified.

Chikungunya virus (CHIKV):

- In 2016, mosquito pools from 20 counties were tested for CHIKV (Atlantic, Bergen, Burlington, Camden, Cape May, Cumberland, Essex, Gloucester, Hudson, Hunterdon, Mercer, Middlesex, Monmouth, Morris, Ocean, Passaic, Salem, Somerset, Sussex and Union).
- No CHIKV positive mosquito pools were identified.

Dengue virus (DENV):

- In 2016, mosquito pools from 19 counties were tested for DENV (Atlantic, Bergen, Burlington, Camden, Cumberland, Essex, Gloucester, Hudson, Hunterdon, Mercer, Middlesex, Monmouth, Morris, Ocean, Passaic, Salem, Somerset, Sussex and Union).
- No DENV positive mosquito pools were identified.

Zika Virus (ZIKV):

- In 2016, mosquito pools from 20 counties were tested for ZIKV (Atlantic, Bergen, Burlington, Camden, Cape May, Cumberland, Essex, Gloucester, Hudson, Hunterdon, Mercer, Middlesex, Monmouth, Morris, Ocean, Passaic, Salem, Somerset, Sussex and Union).
- No ZIKV positive mosquito pools were identified.

Equine (Horse) Testing

Horse testing for WNV and EEE is conducted at the New Jersey Department of Agriculture's animal health laboratory.

- In 2016, 4 EEE positive horses were identified from the following counties: Morris (2), Ocean (1), and Passaic (1).

2016 NJ Counties with EEE Positive Horses



For More Information

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