



New Hampshire Arbovirus Surveillance Bulletin #17

ROUTINE TEST RESULTS MMWR Week 42 October 15, 2023 – October 21, 2023

| HUMANS | | Number Tested | WNV Positive [¥] | EEEV Positive [¥] | JCV Positive [¥] | POW Positive [¥] |
|--------------|------|---------------|---------------------------|----------------------------|---------------------------|---------------------------|
| CURRENT YEAR | Week | 3 | 0 | 0 | 1 | 0 |
| | YTD | 33 | 0 | 0 | 2 | 2 |
| Prior Years | 2022 | 26 | 0 | 0 | 0 | 0 |
| | 2021 | 45 | 1 [£] , € | 0 | 5 | 1 [£] |
| | 2020 | 33 | 0 | 0 | 5 | 0 |
| | 2019 | 35 | 0 | 0 | 3 | 2 |
| | 2018 | 30 | 0 | 0 | 1 [€] | 0 |

[¥] Confirmatory testing completed by the Centers for Disease Control and Prevention (CDC). There is a delay between testing and result confirmation.

[£] Testing performed by commercial laboratory

[€] Infection likely acquired out of state.

| ANIMALS | | Number Tested | WNV Positive | EEEV Positive |
|--------------|------|---------------|--------------|---------------|
| CURRENT YEAR | Week | 1 | 0 | 0 |
| | YTD | 6 | 0 | 1 |
| Prior Years | 2022 | 0 | 0 | 0 |
| | 2021 | 3 | 0 | 0 |
| | 2020 | 7 | 0 | 0 |
| | 2019 | 19 | 1 | 2 |
| | 2018 | 13 | 4 | 0 |

| MOSQUITO BATCHES* | | Number Tested | WNV Positive | EEEV Positive | JCV Positive |
|-------------------|-------------------|---------------|--------------|---------------|-----------------|
| CURRENT YEAR | Week [‡] | 133 | 1 | 1 | 0 |
| | YTD | 8360 | 2 | 2 | 14 |
| Prior Years | 2022 | 1829 | 8 | 0 | 2 |
| | 2021 | 5724 | 6 | 0 | 14 ^α |
| | 2020 | 1988 | 2 | 0 | - |
| | 2019 | 5610 | 1 | 16 | - |
| | 2018 | 4945 | 32 | 6 | - |

* A mosquito batch is a collection of mosquitoes sorted by species, date of collection, and trap location.

† This week, mosquitoes were submitted from Cheshire, Hillsborough and Rockingham Counties for routine surveillance.

α Detections were part of an enhanced surveillance project.

TEST RESULT SUMMARIES 2023 YEAR TO DATE

MOSQUITO BATCHES

| Town or City | Date Collected | Species | Virus Result |
|--------------|----------------|--|-----------------------------|
| Keene | 06/06/2023 | <i>Ochlerotatus communis</i> | Jamestown Canyon Virus |
| Keene | 06/15/2023 | <i>Ochlerotatus excrucians/stimulans/fitchii</i> | Jamestown Canyon Virus |
| Keene | 06/15/2023 | <i>Ochlerotatus excrucians/stimulans/fitchii</i> | Jamestown Canyon Virus |
| Fremont | 06/21/2023 | <i>Ochlerotatus aurifer</i> | Jamestown Canyon Virus |
| Keene | 06/22/2023 | <i>Ochlerotatus canadensis</i> | Jamestown Canyon Virus |
| Kingston | 07/06/2023 | <i>Ochlerotatus aurifer</i> | Jamestown Canyon Virus |
| Kingston | 07/06/2023 | <i>Ochlerotatus provocans</i> | Jamestown Canyon Virus |
| Kingston | 07/19/2023 | <i>Anopheles punctipennis</i> | Jamestown Canyon Virus |
| Kensington | 07/19/2023 | <i>Anopheles punctipennis</i> | Jamestown Canyon Virus |
| New Castle | 07/18/2023 | <i>Aedes vexans</i> | Jamestown Canyon Virus |
| New Castle | 07/18/2023 | <i>Culex salinarius</i> | Jamestown Canyon Virus |
| Nashua | 08/03/2023 | <i>Anopheles punctipennis</i> | Jamestown Canyon Virus |
| Brentwood | 08/03/2023 | <i>Coquillettidia perturbans</i> | Jamestown Canyon Virus |
| Pelham | 08/08/2023 | <i>Ochlerotatus canadensis</i> | Jamestown Canyon Virus |
| Stratham | 09/19/2023 | <i>Culex salinarius</i> | West Nile Virus |
| Fremont | 10/4/2023 | <i>Culiseta melanura</i> | Eastern Equine Encephalitis |
| Exeter | 10/17/2023 | <i>Culiseta melanura</i> | Eastern Equine Encephalitis |
| Stratham | 10/17/2023 | <i>Culex restuans</i> | West Nile Virus |

ANIMALS

| Town or City | Onset Date | Species | Virus Result |
|--------------|------------|---------|-----------------------------|
| Farmington | 09/28/2023 | Turkey | Eastern Equine Encephalitis |

HUMANS

| Town or City | Onset Date | Age Range | Virus Result |
|--------------|------------|-----------|------------------------|
| Bedford | 08/19/2023 | Adult | Jamestown Canyon Virus |
| Belmont | 09/11/2023 | Adult | Jamestown Canyon Virus |

