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# Maine Weekly Arboviral Surveillance Report

October 9, 2018

**January 1, 2018 – October 6, 2018:**

**Humans – Domestic arboviral illnesses**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | Number Tested | WNV positive | EEE positive | JCV positive |
| Current Week | 2 | 1 | 0 | 0 |
| 2018 Year to Date | 51 | 3\* | 0 | 0 |

Human arboviral testing performed at Maine’s Health and Environmental Testing Laboratory (HETL); testing may be performed year-round. Confirmation testing performed at CDC Fort Collins

\*One WNV positive was in a Louisiana resident and is not counted as a Maine case. The other cases are Maine residents but likely were not exposed in Maine.

**Humans – Imported arboviral illnesses**

|  |  |  |  |
| --- | --- | --- | --- |
|  | Chikungunya positive | Dengue positive | Zika positive |
| 2018 Year to Date | 2 | 1 | 0 |

Imported arboviral testing may be performed at HETL, CDC Fort Collins, or other national reference laboratories

**Animals**

|  |  |  |  |
| --- | --- | --- | --- |
|  | Number Tested | WNV positive | EEE Positive |
| Current Week | 0 | 0 | 0 |
| 2018 Year to Date | 5 | 1¥ | 0 |

Animal arboviral testing may be performed at HETL or through the National Veterinary Services Laboratory (NVSL); testing may be performed year round

¥ Testing was performed at Cornell’s Animal Health Diagnostic Center

**Mosquitoes – Domestic arboviruses**

|  |  |  |  |
| --- | --- | --- | --- |
|  | Pools Tested | WNV positive | EEE positive |
| Current Week | 123 | 2 | 0 |
| 2018 Year to Date | 732 | 4 | 0 |

Mosquito arboviral testing performed at HETL; mosquito collection begins July 1 and continues through September 30

Only completed testing is included in this report.

EEE = Eastern Equine Encephalitis

CHIK = Chikungunya

JCV = Jamestown Canyon Virus

SLE = Saint Louis Encephalitis

WNV = West Nile Virus

**2018 Maine Positive Results**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Surveillance** | **Species** | **Collection Date** | **Town** | **County** | **Agent** |
| Human |  | 8/15/2018 |  | Cumberland\*\* | WNV |
| Mosquito | *Culex pipiens* | 8/21/2018 | Kittery | York | WNV |
| Veterinary | Horse | 9/4/2018 |  | York | WNV |
| Mosquito | *Culex pipiens/restuans* | 9/5/2018 | Bangor | Penobscot | WNV |
| Mosquito | *Culex pipiens/restuans* | 9/6/2018 | Bangor | Penobscot | WNV |
| Human |  | 9/15/2018 |  | Cumberland\*\* | WNV |
| Mosquito | *Culiseta melanura* | 9/18/2018 | York | York | WNV |

\*\* Individuals reside in Cumberland county but likely acquired the infection out of state