# C:\Users\Haris.Sohail\AppData\Local\Microsoft\Windows\INetCache\Content.Word\DHHS-Seal Transparent Background.pngMaine Weekly Arboviral Surveillance Report

July 2, 2024

**January 1, 2024 – June 29, 2024:**

**Local Arboviral Activity**

**Humans – Endemic arboviral illnesses**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | Number Tested | WNV positive | EEE positive | JCV positive | POW positive |
| Current Week | 0 | 0 | 0 | 0 | 0 |
| 2024 Year to Date | 20 | 0 | 0 | 0 | 3 |

EEE, JCV, and WNV are endemic mosquito-borne arboviruses. POW is the only endemic arbovirus spread by ticks in Maine. Human arboviral testing performed at Maine’s Health and Environmental Testing Laboratory (HETL). Testing may be performed year round. Number tested only reflects testing performed at HETL. Confirmation testing performed at CDC Fort Collins

**Humans – Travel-associated arboviral illnesses**

|  |  |  |  |
| --- | --- | --- | --- |
|  | Chikungunya positive | Dengue positive | Zika positive |
| Current Week | 0 | 1 | 0 |
| 2024 Year to Date | 0 | 2 | 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 |
| 2024 Year to Date | 0 | 0 | 0 |

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

**Mosquitoes – Endemic arboviruses**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | Pools Tested | WNV positive | EEE positive | JCV positive |
| Current Week | 0 | 0 | 0 | 0 |
| 2024 Year to Date | 32 | 0 | 0 | 0 |

Mosquito EEE and WNV testing performed at HETL; mosquito JCV testing performed at CDC Fort Collins; mosquito collection begins June 1 and continues through September 30

Only completed testing is included in this report.

EEE = Eastern Equine Encephalitis

CHIK = Chikungunya

DEN = Dengue

JCV = Jamestown Canyon Virus

POW = Powassan

SLE = Saint Louis Encephalitis

WNV = West Nile Virus

ZIK = Zika

**2024 Maine positive results**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Surveillance** | **Species** | **Collection Date** | **Town** | **County** | **Agent** |
| Human |  | 1/2/2024 |  | Kennebec | POW |
| Human |  | 3/28/2024 |  | Lincoln | POW |
| Human |  | 4/30/2024 |  | York | POW |

**2024 Mosquitoes – Species breakdown**

*Culiseta melanura*, *Cs. morsitans*, *Culex pipiens*, and *Cx. restuans* are mosquito vectors of public health concern in Maine. *Cs. melanura* is the primary local vector of EEE virus and *Cx. pipiens* is the primary local vector of West Nile virus. *Cs. morsitans* and *Cx.restuans* also play a role in the transmission of these two viruses. Species information represents only mosquitoes captured through active surveillance and may not reflect the full diversity of local mosquito populations in each county

**National Arboviral Activity**

**2024 Locally-acquired human cases – United States**

|  |  |  |
| --- | --- | --- |
|  | Dengue positive | Zika positive\* |
| Florida | 10 | 0 |

\* There is no current local transmission of Zika virus in the continental United States

**International Arboviral Activity**

**2024 CDC travel health notices**

|  |  |  |
| --- | --- | --- |
| **Level** | **Disease** | **Location** |
| 2 | Chikungunya | Maldives |
| 2 | Chikungunya | Timor-Leste |
| 2 | Yellow Fever | Nigeria |
| 1 | Oropouche Fever | Bolivia, Brazil, Colombia, Cuba, Peru |
| 1 | Dengue | Afghanistan, Argentina, Brazil, Burkina Faso, Cambodia, Colombia, Costa Rica, Curaçao, Ecuador, Ethiopia, Fiji, French Guiana, Guadeloupe, Guatemala, Guyana, Honduras, Indonesia, Laos, Mali, Martinique, Mauritius, Mexico, Nicaragua, Panama, Paraguay, Peru, Samoa, Singapore, Sri Lanka, Sudan, Uruguay |

More information on travel health notices is available here: <https://wwwnc.cdc.gov/travel/notices>.