

# Maine Weekly Arboviral Surveillance Report

November 5, 2024



January 1, 2024 – November 2, 2024:

## Local Arboviral Activity

### Humans – Endemic arboviral illnesses

|                   | Number Tested | WNV positive | EEE positive | JCV positive | POW positive |
|-------------------|---------------|--------------|--------------|--------------|--------------|
| Current Week      | 3             | 0            | 0            | 0            | 0            |
| 2024 Year to Date | 98            | 2            | 0            | 0            | 4            |

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

|                   | CHIK positive | DEN positive | OROV positive | ZIK positive |
|-------------------|---------------|--------------|---------------|--------------|
| Current Week      | 0             | 0            | 0             | 0            |
| 2024 Year to Date | 0             | 6            | 0             | 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      | 1             | 0            | 1            |
| 2024 Year to Date | 97            | 35           | 21           |

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      | 32           | 0            | 0            | 0            |
| 2024 Year to Date | 1391         | 1            | 1            | 4            |

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  
OROV = Oropouche 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   |
| Mosquito     | <i>Aedes abserratus/punctor</i> | 5/23/2024       | Alfred   | York       | JCV   |
| Mosquito     | <i>Aedes communis/sticticus</i> | 5/30/2024       | Orono    | Penobscot  | JCV   |
| Mosquito     | <i>Aedes communis/sticticus</i> | 6/13/2024       | Orono    | Penobscot  | JCV   |
| Mosquito     | <i>Aedes communis/sticticus</i> | 6/18/2024       | Orono    | Penobscot  | JCV   |
| Veterinary   | American Crow                   | 6/27/2024       |          | York       | WNV   |
| Veterinary   | American Crow                   | 7/2/2024        |          | Kennebec   | WNV   |
| Veterinary   | American Crow                   | 7/3/2024        |          | Oxford     | WNV   |
| Human        |                                 | 7/5/2024        |          | Cumberland | POW   |
| Veterinary   | Cooper's Hawk                   | 7/8/2024        |          | Cumberland | WNV   |
| Veterinary   | American Crow                   | 7/14/2024       |          | Penobscot  | WNV   |
| Veterinary   | American Crow                   | 7/18/2024       |          | Cumberland | WNV   |
| Human        |                                 | 7/19/2024       |          | Waldo      | WNV   |
| Veterinary   | Cooper's Hawk                   | 7/28/2024       |          | Lincoln    | WNV   |
| Veterinary   | American Crow                   | 7/30/2024       |          | Somerset   | WNV   |
| Veterinary   | American Crow                   | 8/1/2024        |          | Penobscot  | WNV   |
| Veterinary   | American Crow                   | 8/1/2024        |          | Hancock    | WNV   |
| Veterinary   | American Crow                   | 8/1/2024        |          | Cumberland | WNV   |
| Veterinary   | American Crow                   | 8/4/2024        |          | Penobscot  | WNV   |
| Veterinary   | American Crow                   | 8/5/2024        |          | Knox       | WNV   |
| Veterinary   | American Crow                   | 8/5/2024        |          | Cumberland | WNV   |
| Veterinary   | Wild Turkey                     | 8/6/2024        |          | Waldo      | EEE   |
| Veterinary   | American Crow                   | 8/8/2024        |          | Cumberland | WNV   |
| Veterinary   | American Crow                   | 8/10/2024       |          | Kennebec   | WNV   |
| Veterinary   | American Crow                   | 8/13/2024       |          | Sagadahoc  | WNV   |
| Veterinary   | Bald Eagle                      | 8/15/2024       |          | Washington | WNV   |
| Veterinary   | American Crow                   | 8/19/2024       |          | York       | WNV   |
| Veterinary   | Emu                             | 8/19/2024       |          | Penobscot  | EEE   |
| Veterinary   | Emu                             | 8/19/2024       |          | Penobscot  | EEE   |
| Veterinary   | American Crow                   | 8/24/2024       |          | Penobscot  | WNV   |
| Mosquito     | <i>Culiseta melanura</i>        | 8/27/2024       | Bradford | Penobscot  | EEE   |
| Veterinary   | American Crow                   | 8/28/2024       |          | Knox       | WNV   |
| Human        |                                 | 8/28/2024       |          | Cumberland | WNV   |
| Veterinary   | American Crow                   | 8/29/2024       |          | Washington | WNV   |
| Veterinary   | American Crow                   | 8/30/2024       |          | Cumberland | WNV   |
| Veterinary   | Northern Cardinal               | 8/30/2024       |          | Cumberland | WNV   |
| Veterinary   | American Crow                   | 8/31/2024       |          | Penobscot  | WNV   |
| Veterinary   | American Crow                   | 9/1/2024        |          | Penobscot  | WNV   |

|            |                          |            |         |             |      |
|------------|--------------------------|------------|---------|-------------|------|
| Veterinary | American Crow            | 9/1/2024   |         | Cumberland  | WNV  |
| Veterinary | American Crow            | 9/1/2024   |         | Cumberland  | WNV  |
| Veterinary | Alpaca                   | 9/1/2024   |         | Lincoln     | WNV  |
| Veterinary | American Crow            | 9/2/2024   |         | Cumberland  | WNV  |
| Veterinary | Broad-winged Hawk        | 9/3/2024   |         | Piscataquis | WNV  |
| Veterinary | Horse                    | 9/3/2024   |         | Penobscot   | EEE  |
| Veterinary | American Crow            | 9/4/2024   |         | Penobscot   | WNV  |
| Veterinary | American Crow            | 9/4/2024   |         | Penobscot   | WNV  |
| Veterinary | Cooper's Hawk            | 9/4/2024   |         | Somerset    | EEE  |
| Veterinary | Blue Jay                 | 9/4/2024   |         | Somerset    | WNV  |
| Veterinary | Horse                    | 9/5/2024   |         | Somerset    | EEE  |
| Veterinary | American Crow            | 9/8/2024   |         | Penobscot   | EEE  |
| Veterinary | Horse                    | 9/8/2024   |         | Penobscot   | EEE  |
| Veterinary | Llama                    | 9/8/2024   |         | Penobscot   | EEE  |
| Veterinary | Horse                    | 9/10/2024  |         | Waldo       | EEE  |
| Mosquito   | <i>Culiseta melanura</i> | 9/11/2024  | Palermo | Waldo       | WNV  |
| Veterinary | Horse                    | 9/16/2024  |         | Somerset    | EEE  |
| Veterinary | Horse                    | 9/18/2024  |         | Lincoln     | EEE  |
| Veterinary | Horse                    | 9/19/2024  |         | Somerset    | EEE* |
| Veterinary | Horse                    | 9/19/2024  |         | Somerset    | WNV* |
| Veterinary | Horse                    | 9/21/2024  |         | Kennebec    | EEE  |
| Veterinary | Horse                    | 9/23/2024  |         | Waldo       | EEE  |
| Veterinary | Horse                    | 9/25/2024  |         | Somerset    | EEE  |
| Veterinary | Horse                    | 9/27/2024  |         | Somerset    | EEE  |
| Veterinary | Horse                    | 9/28/2024  |         | Penobscot   | EEE  |
| Veterinary | Horse                    | 10/3/2024  |         | Penobscot   | EEE  |
| Veterinary | Horse                    | 10/7/2024  |         | Somerset    | EEE  |
| Veterinary | Horse                    | 10/20/2024 |         | Lincoln     | EEE  |

\* Co-infected horse

## National Arboviral Activity

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

|            | Dengue positive | Oropouche positive* | Zika positive* |
|------------|-----------------|---------------------|----------------|
| California | 13              | 0                   | 0              |
| Florida    | 59              | 0                   | 0              |

\* There is no current local transmission of Oropouche or Zika viruses in the continental United States

## International Arboviral Activity

### 2024 CDC travel health notices

| Level | Disease      | Location |
|-------|--------------|----------|
| 2     | Oropouche    | Cuba     |
| 2     | Zika         | India    |
| 2     | Yellow Fever | Nigeria  |

|   |           |                                                                                                                                                                                                                                                                                                                         |
|---|-----------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1 | Oropouche | Bolivia, Brazil, Colombia, Dominican Republic, Ecuador, Guyana, Peru                                                                                                                                                                                                                                                    |
| 1 | Dengue    | Afghanistan, Burkina Faso, Cape Verde, Central African Republic, Colombia, Costa Rica, Cuba, Dominican Republic, Ecuador, El Salvador, Ethiopia, French Polynesia, Ghana, Grenada, Guatemala, Guyana, Honduras, India, Iran, Mali, Mexico, Pakistan, Panama, Philippines, Saint Lucia, Sudan, Togo, Trinidad and Tobago |

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