

Maine Weekly Arboviral Surveillance Report

October 15, 2024



January 1, 2024 – October 12, 2024:

Local Arboviral Activity

Humans – Endemic arboviral illnesses

	Number Tested	WNV positive	EEE positive	JCV positive	POW positive
Current Week	4	0	0	0	0
2024 Year to Date	87	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	4	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	2	0	2
2024 Year to Date	92	35	19

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	80	0	0	0
2024 Year to Date	1359	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	10/7/2024		Somerset	EEE

* Co-infected horse

National Arboviral Activity

2024 Locally-acquired human cases – United States

	Dengue positive	Oropouche positive*	Zika positive*
California	6	0	0
Florida	45	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, Guyana, Peru

1	Dengue	Afghanistan, Brazil, Burkina Faso, Cape Verde, Colombia, Costa Rica, Cuba, Dominican Republic, Ecuador, El Salvador, French Polynesia, Ghana, Grenada, Guatemala, Guyana, Honduras, India, Iran, Laos, Mali, Mexico, Panama, Samoa, Singapore, Sudan, Togo, Trinidad and Tobago
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More information on travel health notices is available here: <https://wwwnc.cdc.gov/travel/notices>.