

Maine Weekly Arboviral Surveillance Report

September 17, 2024



January 1, 2024 – September 14, 2024:

Local Arboviral Activity

Humans – Endemic arboviral illnesses

	Number Tested	WNV positive	EEE positive	JCV positive	POW positive
Current Week	5	1*	0	0	0
2024 Year to Date	76	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

* Confirmatory testing pending

Humans – Travel-associated arboviral illnesses

	CHIK positive	DEN positive	OROV positive	ZIK positive
Current Week	0	0	0	0
2024 Year to Date	0	2	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	4	0	4
2024 Year to Date	47	15	8

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	92	0	0	0
2024 Year to Date	1118	0	0	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	Emu	8/19/2024		Penobscot	EEE
Veterinary	Emu	8/19/2024		Penobscot	EEE
Human		8/28/2024		Cumberland	WNV*
Veterinary	Horse	9/3/2024		Penobscot	EEE
Veterinary	Horse	9/5/2024		Somerset	EEE
Veterinary	Horse	9/8/2024		Penobscot	EEE
Veterinary	Llama	9/8/2024		Penobscot	EEE
Veterinary	Horse	9/10/2024		Waldo	EEE

* Confirmatory testing pending

National Arboviral Activity

2024 Locally-acquired human cases – United States

	Dengue positive	Oropouche positive*	Zika positive*
California	1	0	0
Florida	35	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	Zika	India
2	Oropouche	Cuba
2	Yellow Fever	Nigeria
1	Oropouche	Bolivia, Brazil, Colombia, 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

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