

Maine Weekly Arboviral Surveillance Report

July 23, 2024



January 1, 2024 – July 20, 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	22	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	0	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	98	0	0	2
2024 Year to Date	255	0	0	3

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.

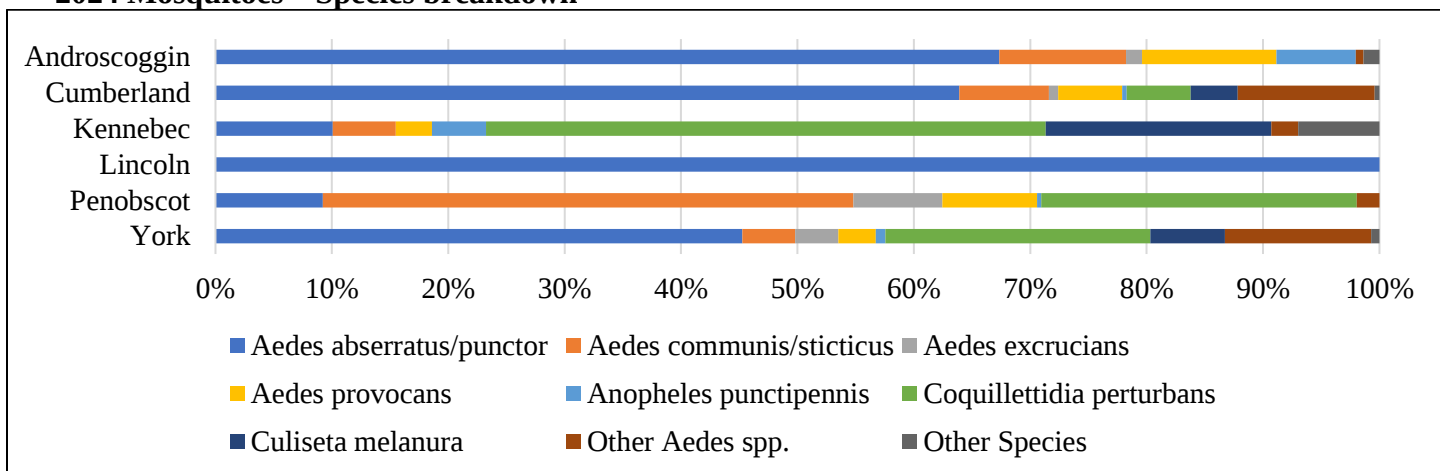
EEE = Eastern Equine Encephalitis
CHIK = Chikungunya
DEN = Dengue
JCV = Jamestown Canyon Virus

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
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

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	16	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	Yellow Fever	Nigeria
1	Oropouche Fever	Bolivia, Brazil, Colombia, Cuba, Peru
1	Dengue	Afghanistan, Brazil, Burkina Faso, Cape Verde, Colombia, Costa Rica, Cuba, Ecuador, Ethiopia, French Guiana, Ghana, Guadeloupe, Guatemala, Guyana, Honduras, Laos, Mali, Mauritius, Mexico, Panama, Paraguay, Samoa, Singapore, Sri Lanka, Sudan, Uruguay

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