Maine Weekly Arboviral Surveillance Report

October 22, 2018

January 1, 2018 – October 20, 2018:

Humans – Domestic arboviral illnesses

	Number Tested	WNV positive	EEE positive	JCV positive
Current Week	3	0	0	0
2018 Year to Date	56	3*	0	0

Human arboviral testing performed at Maine's Health and Environmental Testing Laboratory (HETL); testing may be performed year-round. Confirmation testing performed at CDC Fort Collins

*One WNV positive was in a Louisiana resident and is not counted as a Maine case. The other cases are Maine residents but likely were not exposed in Maine.

Humans – Imported arboviral illnesses

	Chikungunya positive	Dengue positive	Zika positive
2018 Year to Date	2	1	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
2018 Year to Date	5	1[¥]	0

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

[¥] Testing was performed at Cornell's Animal Health Diagnostic Center

Mosquitoes – Domestic arboviruses

	Pools Tested	WNV positive	EEE positive
Current Week	4	0	0
2018 Year to Date	757	4	0

Mosquito arboviral testing performed at HETL; mosquito collection begins July 1 and continues through September 30

Only completed testing is included in this report.

EEE = Eastern Equine Encephalitis
CHIK = Chikungunya
JCV = Jamestown Canyon Virus
SLE = Saint Louis Encephalitis
WNV = West Nile Virus

2018 Maine Positive Results

Surveillance	Species	Collection Date	Town	County	Agent
Human		8/15/2018		Cumberland**	WNV
Mosquito	*Culex pipiens*	8/21/2018	Kittery	York	WNV
Veterinary	Horse	9/4/2018		York	WNV
Mosquito	*Culex pipiens/restuans*	9/5/2018	Bangor	Penobscot	WNV
Mosquito	*Culex pipiens/restuans*	9/6/2018	Bangor	Penobscot	WNV

Human		9/15/2018		Cumberland**	WNV
Mosquito	*Culiseta melanura*	9/18/2018	York	York	WNV

** Individuals reside in Cumberland county but likely acquired the infection out of state