

New Hampshire Arbovirus Surveillance Bulletin #4

ROUTINE TEST RESULTS MMWR Week 29 July 14, 2024 – July 20, 2024

HUMANS		Number Tested	WNV Positive [¥]	EEEV Positive [¥]	JCV Positive [¥]	POW Positive [¥]
CURRENT YEAR	Week	0	0	0	0	0
	YTD	18	0	0	0	2
Prior Years	2023	40	1	0	2	4 [£]
	2022	26	0	0	0	0
	2021	45	1 [£] , €	0	5	1 [£]
	2020	33	0	0	5	0
	2019	35	0	0	3	2

[¥] Confirmatory testing completed by the Centers for Disease Control and Prevention (CDC). There is a delay between testing and result confirmation.

[£] Testing performed by commercial laboratory

[€] Infection likely acquired out of state.

ANIMALS		Number Tested	WNV Positive	EEEV Positive
CURRENT YEAR	Week	1	0	0
	YTD	1	0	0
Prior Years	2023	9	0	1
	2022	0	0	0
	2021	3	0	0
	2020	7	0	0
	2019	19	1	2

MOSQUITO BATCHES*		Number Tested	WNV Positive	EEEV Positive	JCV Positive
CURRENT YEAR	Week [‡]	207	1	0	0
	YTD	929	2	0	2
Prior Years	2023	8360	2	2	14
	2022	1829	8	0	2
	2021	8068	6	0	14 ^α
	2020	1988	2	0	-
	2019	5610	1	16	-

* A mosquito batch is a collection of mosquitoes sorted by species, date of collection, and trap location.

† This week, mosquitoes were submitted from Cheshire, Hillsborough and Rockingham Counties for routine surveillance.

α Detections were part of an enhanced surveillance project.

TEST RESULT SUMMARIES 2024 YEAR TO DATE

MOSQUITO BATCHES

Town or City	Date Collected	Species	Virus Result
Keene	06/20/2024	<i>Ochlerotatus communis</i>	Jamestown Canyon Virus
Londonderry	07/04/2024	<i>Anopheles quadrimaculatus</i>	Jamestown Canyon Virus
Manchester	07/10/2024	<i>Culex pipiens/restuans</i>	West Nile Virus
Nashua	07/16/2024	<i>Culex pipiens</i>	West Nile Virus

ANIMALS

There have been no animal cases of EEEV, WNV or JCV identified in New Hampshire in 2024 to date.

HUMANS

There have been no human cases of EEEV, WNV or JCV identified in New Hampshire in 2024 to date.

Data notes:

1. Data provided are those for which final results are available. Data are current as of 7/25/2024.
2. Test results include only those specimens tested with results finalized during the week being reported on. Pending results from the previous week are not included.
3. Prior years' data is cumulative.
4. YTD = All specimens submitted beginning 01/01/2024 through the week being reported on.
5. WNV = West Nile virus. EEEV = Eastern Equine Encephalitis Virus. JCV = Jamestown Canyon Virus. POW = Powassan Virus

Use the following link to view the locations of positive test results and regional risk maps:

<https://www.dhhs.nh.gov/programs-services/disease-prevention/infectious-disease-control/mosquito-borne-illnesses>

For more information regarding these data, contact Marco Notarangelo, Vectorborne Disease Surveillance Coordinator, at (603) 271-0273 or marco.notarangelo@dhhs.nh.gov.

2024 New Hampshire Town Sponsored Mosquito Trapping, Current Locations

- Trapping
- No Trapping

