

New Hampshire Arbovirus Surveillance Bulletin #15

ROUTINE TEST RESULTS

MMWR Week 41 October 9, 2022 – October 15, 2022

HUMANS		Number Tested	WNV Positive [¥]	EEEV Positive [¥]	JCV Positive [¥]	POW Positive [¥]
CURRENT YEAR	Week	0	0	0	0	0
	YTD	20	0	0	0	0
Prior Years	2021	45	1 ^{£, €}	0	5	0
	2020	33	0	0	5	0
	2019	35	0	0	3	2
	2018	30	0	0	1 [€]	0
	2017	31	1 [£]	0	4	1

[¥] 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	0	0	0
	YTD	0	0	0
Prior Years	2021	1	0	0
	2020	7	0	0
	2019	19	1	2
	2018	13	4	0
	2017	7	0	0

MOSQUITO BATCHES*		Number Tested	WNV Positive	EEEV Positive	JCV Positive
CURRENT YEAR	Week [‡]	23	0	0	0
	YTD	1829	8	0	2
Prior Years	2021	5724	6	0	14 ^α
	2020	1988	2	0	-
	2019	5610	1	16	-
	2018	4945	32	6	-
	2017	4176	9	0	-

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

[‡] This week, mosquitoes were submitted from Hillsborough and Rockingham Counties for routine surveillance.

^a Detections were part of an enhanced surveillance project.

TEST RESULT SUMMARIES 2022 YEAR TO DATE

MOSQUITO BATCHES

This year, only mosquito batches containing >1 individual will be accepted for testing.

Town or City	Date Collected	Species	Virus Result
Manchester	07/20/2022	<i>Culex pipiens</i>	West Nile Virus
Atkinson	08/02/2022	<i>Coquillettidia perturbans</i>	Jamestown Canyon Virus
Hampstead	08/04/2022	<i>Coquillettidia perturbans</i>	Jamestown Canyon Virus
Nashua	08/11/2022	<i>Culex pipiens/restuans</i>	West Nile Virus
Manchester	08/15/2022	<i>Culex pipiens</i>	West Nile Virus
Manchester	08/22/2022	<i>Culex pipiens</i>	West Nile Virus
Manchester	08/29/2022	<i>Coquillettidia perturbans</i>	West Nile Virus
Manchester	08/31/2022	<i>Culex pipiens</i>	West Nile Virus
Manchester	08/31/2022	<i>Culex restuans</i>	West Nile Virus
Nashua	09/15/2022	<i>Culex pipiens</i>	West Nile Virus

ANIMALS

There have been no animal cases of EEEV or WNV identified in New Hampshire in 2022 to date.

HUMANS

There have been no human cases of EEEV, WNV or JCV identified in New Hampshire in 2022 to date.

Data notes:

1. Data provided are those for which final results are available. Data are current as of 10/19/2022.
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 01/01/2022 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.

