

New Hampshire Arbovirus Surveillance Bulletin #17

ROUTINE TEST RESULTS MMWR Week 42 October 15, 2023 – October 21, 2023

HUMANS		Number Tested	WNV Positive [¥]	EEEV Positive [¥]	JCV Positive [¥]	POW Positive [¥]
CURRENT YEAR	Week	3	0	0	1	0
	YTD	33	0	0	2	2
Prior Years	2022	26	0	0	0	0
	2021	45	1 ^{£, €}	0	5	1 [£]
	2020	33	0	0	5	0
	2019	35	0	0	3	2
	2018	30	0	0	1 [€]	0

[¥] 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	6	0	1
Prior Years	2022	0	0	0
	2021	3	0	0
	2020	7	0	0
	2019	19	1	2
	2018	13	4	0

MOSQUITO BATCHES*		Number Tested	WNV Positive	EEEV Positive	JCV Positive
CURRENT YEAR	Week [‡]	133	1	1	0
	YTD	8360	2	2	14
Prior Years	2022	1829	8	0	2
	2021	5724	6	0	14 ^α
	2020	1988	2	0	-
	2019	5610	1	16	-
	2018	4945	32	6	-

* 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 2023 YEAR TO DATE

MOSQUITO BATCHES

Town or City	Date Collected	Species	Virus Result
Keene	06/06/2023	<i>Ochlerotatus communis</i>	Jamestown Canyon Virus
Keene	06/15/2023	<i>Ochlerotatus excrucians/stimulans/fitchii</i>	Jamestown Canyon Virus
Keene	06/15/2023	<i>Ochlerotatus excrucians/stimulans/fitchii</i>	Jamestown Canyon Virus
Fremont	06/21/2023	<i>Ochlerotatus aurifer</i>	Jamestown Canyon Virus
Keene	06/22/2023	<i>Ochlerotatus canadensis</i>	Jamestown Canyon Virus
Kingston	07/06/2023	<i>Ochlerotatus aurifer</i>	Jamestown Canyon Virus
Kingston	07/06/2023	<i>Ochlerotatus provocans</i>	Jamestown Canyon Virus
Kingston	07/19/2023	<i>Anopheles punctipennis</i>	Jamestown Canyon Virus
Kensington	07/19/2023	<i>Anopheles punctipennis</i>	Jamestown Canyon Virus
New Castle	07/18/2023	<i>Aedes vexans</i>	Jamestown Canyon Virus
New Castle	07/18/2023	<i>Culex salinarius</i>	Jamestown Canyon Virus
Nashua	08/03/2023	<i>Anopheles punctipennis</i>	Jamestown Canyon Virus
Brentwood	08/03/2023	<i>Coquillettidia perturbans</i>	Jamestown Canyon Virus
Pelham	08/08/2023	<i>Ochlerotatus canadensis</i>	Jamestown Canyon Virus
Stratham	09/19/2023	<i>Culex salinarius</i>	West Nile Virus
Fremont	10/4/2023	<i>Culiseta melanura</i>	Eastern Equine Encephalitis
Exeter	10/17/2023	<i>Culiseta melanura</i>	Eastern Equine Encephalitis
Stratham	10/17/2023	<i>Culex restuans</i>	West Nile Virus

ANIMALS

Town or City	Onset Date	Species	Virus Result
Farmington	09/28/2023	Turkey	Eastern Equine Encephalitis

HUMANS

Town or City	Onset Date	Age Range	Virus Result
Bedford	08/19/2023	Adult	Jamestown Canyon Virus
Belmont	09/11/2023	Adult	Jamestown Canyon Virus
Pembroke	09/13/2023	Adult	West Nile Virus

Data notes:

1. Data provided are those for which final results are available. Data are current as of 10/26/2023.
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 01/01/2023 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.

2023 New Hampshire Town Sponsored Mosquito Trapping, Current Locations

