

New Hampshire Arbovirus Surveillance Bulletin #15

ROUTINE TEST RESULTS MMWR Week 40 September 29, 2024 – October 5, 2024

HUMANS		Number Tested	WNV Positive [¥]	EEEV Positive [¥]	JCV Positive [¥]	POW Positive [¥]
CURRENT YEAR	Week	1	0	0	0	0
	YTD	39	1 ^{φ, €}	5 [£]	3 ^{φ, €}	3
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 or other state laboratory.

[€] At least one infection was likely acquired out of state.

^φ At least one individual tested positive for more than one arbovirus.

ANIMALS		Number Tested	WNV Positive	EEEV Positive
CURRENT YEAR	Week	1	0	0
	YTD	8	0	4
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 [‡]	151	0	0	1
	YTD	4391	7	15	3
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
Manchester	07/29/2024	<i>Culex pipiens</i>	West Nile Virus
Kingston	07/30/2024	<i>Culiseta melanura</i>	Eastern Equine Encephalitis
Kingston	07/30/2024	<i>Coquillettidia perturbans</i>	Eastern Equine Encephalitis
Newton	08/01/2024	<i>Coquillettidia perturbans</i>	Eastern Equine Encephalitis
Danville	08/06/2024	<i>Culiseta melanura</i>	Eastern Equine Encephalitis
Fremont	08/06/2024	<i>Culiseta melanura</i>	Eastern Equine Encephalitis
Nashua	08/06/2024	<i>Culex pipiens</i>	West Nile Virus
Kensington	08/07/2024	<i>Anopheles punctipennis</i>	Eastern Equine Encephalitis
Newton	08/08/2024	<i>Culiseta melanura</i>	Eastern Equine Encephalitis
Manchester	08/14/2024	<i>Culex restuans</i>	West Nile Virus
Manchester	08/14/2024	<i>Ochlerotatus japonicus</i>	West Nile Virus
Newton	08/15/2024	<i>Culiseta melanura</i>	Eastern Equine Encephalitis
Stratham	08/15/2024	<i>Ochlerotatus sollicitans</i>	Eastern Equine Encephalitis
Hampstead	08/20/2024	<i>Culiseta melanura</i>	Eastern Equine Encephalitis
East Kingston	08/22/2024	<i>Culiseta melanura</i>	Eastern Equine Encephalitis
East Kingston	08/22/2024	<i>Culex salinarius</i>	Eastern Equine Encephalitis
Portsmouth	08/22/2024	<i>Ochlerotatus cantator</i>	West Nile Virus
Danville	08/27/2024	<i>Culiseta melanura</i>	Eastern Equine Encephalitis
Fremont	08/27/2024	<i>Culiseta melanura</i>	Eastern Equine Encephalitis
North Hampton	08/29/2024	<i>Culiseta melanura</i>	Eastern Equine Encephalitis
Seabrook	10/01/2024	<i>Ochlerotatus cantator</i>	Jamestown Canyon Virus

ANIMALS

Town or City	Onset Date	Species	Virus Result
Kensington	07/28/2024	Horse	Eastern Equine Encephalitis
Danville	08/19/2024	Horse	Eastern Equine Encephalitis
Dunbarton	08/21/2024	Horse	Eastern Equine Encephalitis
Northwood	08/21/2024	Horse	Eastern Equine Encephalitis

HUMANS

Town or City	Onset Date	Age Range	Virus Result
Gilmanton	05/20/2024	Adult	Jamestown Canyon Virus
Tilton	05/28/2024	Adult	Jamestown Canyon Virus
Hampstead	08/12/2024	Adult	Eastern Equine Encephalitis
Kensington	08/08/2024	Adult	Eastern Equine Encephalitis
Derry	08/12/2024	Adult	Eastern Equine Encephalitis
Swanzey	08/16/2024	Adult	West Nile Virus & Jamestown Canyon Virus
Newmarket	08/18/2024	Adult	Eastern Equine Encephalitis
Danville	08/05/2024	Adult	Eastern Equine Encephalitis

Data notes:

1. Data provided are those for which final results are available. Data are current as of 10/10/2024.
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

