

New Hampshire Arbovirus Surveillance Bulletin #15

TEST SUMMARIES

MMWR Week 42 October 14, 2018 – October 20, 2018

HUMANS		Number Tested	WNV Positive	EEE Positive	JCV Positive [¥]	POW Positive [¥]
CURRENT YEAR	Week	0	0	0	0	0
	YTD	24	0	0	1 [€]	0
Prior Years	2017	31	1 [£]	0	4	1
	2016	31	0	0	0	1
	2014	50	0	0	1	0
	2014	38	0	3	0	0
	2013	34	1	0	1	1

¥ Testing completed by the Centers for Disease Control and Prevention (CDC)

£ Testing performed by commercial laboratory

€ Infection likely acquired out of state.

ANIMALS		Number Tested	WNV Positive	EEE Positive
CURRENT YEAR	Week	0	0	0
	YTD	13	4	0
Prior Years	2017	7	0	0
	2016	10	0	0
	2015	6	1	0
	2014	11	0	3
	2013	28	1	3

MOSQUITO BATCHES*		Number Tested	WNV Positive	EEE Positive
CURRENT YEAR	Week [‡]	123	0	0
	YTD	4945	32	6
Prior Years	2017	4176	9	0
	2016	1773	1	0
	2015	3678	3	2
	2014	3964	1	18
	2013	5316	14	24

* 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.

**NEW HAMPSHIRE ARBOVIRUS TEST RESULTS
2018 Arboviral Season**

MOSQUITO BATCHES

Town or City	Date Collected	Species	Virus Result
Manchester	7/16/2018	<i>Culex pipiens/restuans</i>	West Nile Virus
Manchester	8/7/2018	<i>Culex pipiens/restuans</i>	West Nile Virus
Salem	8/9/2018	<i>Coquillettidia perturbans</i>	West Nile Virus
Manchester	8/13/2018	<i>Coquillettidia perturbans</i>	West Nile Virus
Manchester	8/13/2018	<i>Culex pipiens/restuans</i>	West Nile Virus
Manchester	8/13/2018	<i>Aedes cinereus</i>	West Nile Virus
Manchester	8/14/2018	<i>Culex pipiens/restuans</i>	West Nile Virus
Nashua	8/16/2018	<i>Culex pipiens</i>	West Nile Virus
Keene	8/16/2018	<i>Culex salinarius</i>	West Nile Virus
Manchester	8/20/2018	<i>Culex pipiens/restuans</i>	West Nile Virus
Manchester	8/22/2018	<i>Ochlerotatus canadensis</i>	West Nile Virus
Manchester	8/22/2018	<i>Psorophora ferox</i>	West Nile Virus
North Hampton	8/28/2018	<i>Culex pipiens</i>	West Nile Virus
Rye	8/28/2018	<i>Culex salinarius</i>	West Nile Virus
Nashua	8/30/2018	<i>Culex pipiens</i>	West Nile Virus
Nashua	8/30/2018	<i>Culex pipiens</i>	West Nile Virus
Londonderry	9/4/2018	<i>Culex salinarius</i>	West Nile Virus
Manchester	9/10/2018	<i>Coquillettidia perturbans</i>	West Nile Virus
Londonderry	9/11/2018	<i>Culex salinarius</i>	West Nile Virus
Raymond	9/11/2018	<i>Culiseta melanura</i>	West Nile Virus
Candia	9/11/2018	<i>Culiseta melanura</i>	West Nile Virus
Candia	9/11/2018	<i>Culiseta melanura</i>	West Nile Virus
Candia	9/11/2018	<i>Aedes cinereus</i>	West Nile Virus
Sandown	9/11/2018	<i>Culiseta melanura</i>	West Nile Virus
Kingston	9/13/2018	<i>Culiseta melanura</i>	West Nile Virus
Newton	9/13/2018	<i>Culiseta melanura</i>	West Nile Virus
Newton	9/13/2018	<i>Culiseta melanura</i>	Eastern Equine Encephalitis
Portsmouth	9/18/2018	<i>Culiseta melanura</i>	West Nile Virus
Rye	9/18/2018	<i>Culiseta melanura</i>	West Nile Virus
Rye	9/18/2018	<i>Culex salinarius</i>	West Nile Virus
Sandown	9/18/2018	<i>Culiseta melanura</i>	Eastern Equine Encephalitis
Kensington	9/18/2018	<i>Culex restuans</i>	West Nile Virus
Newton	9/20/2018	<i>Culiseta melanura</i>	Eastern Equine Encephalitis
Manchester	9/25/2018	<i>Culiseta morsitans</i>	Eastern Equine Encephalitis
Keene	9/27/2018	<i>Culex pipiens</i>	West Nile Virus
Newton	9/27/2018	<i>Culiseta melanura</i>	Eastern Equine Encephalitis
Rye	10/2/2018	<i>Culiseta melanura</i>	Eastern Equine Encephalitis
Newton	10/4/2018	<i>Culiseta morsitans</i>	West Nile Virus

ANIMALS

Town or City	Date Collected	Species	Virus Result
Plaistow	8/11/2018	Hawk	West Nile Virus
Plaistow	8/13/2018	Crow	West Nile Virus
Salem	8/13/2018	Hawk	West Nile Virus
Fremont	8/13/2018	Hawk	West Nile Virus

HUMANS

Town or City	Onset Date	Age Range	Virus Result
Portsmouth [€]	8/7/2018	65+	Jamestown Canyon Virus

€ Infection likely acquired out of state.

Data notes:

1. Data provided are those for which final results are available. Data are current as of 10/24/2018.
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 01/01/2018 through the week being reported on.
5. WNV = West Nile virus. EEE = Eastern Equine Encephalitis. JCV = Jamestown Canyon Virus. POW = Powassan Virus

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

<http://www.dhhs.nh.gov/dphs/cdcs/arboviral/results.htm>

For more information regarding these data, contact Carolyn Fredette, Vectorborne Disease Surveillance Coordinator, at (603) 271-0273 or carolyn.fredette@dhhs.nh.gov or Abigail Mathewson, Surveillance Epidemiology Program Manager, at (603) 271-0274 or abigail.mathewson@dhhs.nh.gov.

2018 New Hampshire Town Sponsored Mosquito Trapping, Current Locations

