

Massachusetts Department of Public Health Arbovirus Surveillance Program Report

Key Public Risk Communication Messages for This Week:

MDPH has reported WNV positive mosquito samples from Berkshire, Essex, Hampden, Hampshire, Middlesex, Norfolk, Suffolk, and Worcester Counties. In response to positive WNV detections, the communities of Boston, Brookline, and Watertown were raised to Moderate WNV risk. Check your risk levels throughout the season by visiting our interactive site <https://www.mass.gov/info-details/massachusetts-arbovirus-update>

Intense regional precipitation events and warm weather will support increased populations of WNV and EEE mosquito vectors. Avoid mosquito bites by using EPA approved repellents, appropriate clothing and avoiding peak mosquito activity between dusk and dawn. Remove standing water by emptying containers and tarps.

Please review the 2023 MDPH Surveillance and Response Plan for updates to risk levels and risk messaging. <https://www.mass.gov/doc/2023-arbovirus-surveillance-and-response-plan/download>

WNV and EEE Virus Surveillance Summary	
Results contained in this report reflect data up to and inclusive of MMWR Week 31 (Sunday, 07/30/2023-Saturday, 08/05/2023)	
Mosquito Surveillance	
Number of Mosquito Samples Tested	4775
Number of WNV Positive Samples	21
Number of EEE Positive Samples	0
Equine/Mammal Surveillance	
Number of Mammal Specimens Tested	0
Number of WNV Positive Horses	0
Number of EEE Positive Horses	0
Number of other WNV Positive Mammals	0
Human Surveillance	
Number of Human Specimens Tested	85
Number of Human WNV Cases	0
Number of Human EEE Cases	0

Summary of 2023 Mosquito Samples Tested Massachusetts State Public Health Laboratory													
MMWR Week: (Specimens Tested)	Berkshire County MCP	Bristol County MCP	Cape Cod MCP	Central MA MCP	Dukes County MCP	East Middlesex MCP	Norfolk County MCP	Northeast MA MCP	Pioneer Valley	Plymouth County MCP	SPHL	Suffolk County MCP	Total Tested
27 (07/02-07/08/2023)	30	26	56	139	15	0	41	20	31	10	145	0	513
28 (07/09-07/15/2023)	31	19	54	92	6	11	39	35	48	66	269	11	681
29 (07/16-07/22/2023)	49	27	82	160	11	38	25	41	58	100	249	35	875
30 (07/23-07/29/2023)	43	34	77	162	5	35	37	37	63	37	201	7	738
31 (07/30-08/05/2023)	46	31	64	229	5	17	28	72	62	43	172	11	780
Total	294	191	428	984	42	120	231	271	296	319	1501	98	4775

Numbers reflect finalized results; data are subject to change as additional test results are finalized.