

Massachusetts Department of Public Health Arbovirus Surveillance Program Report

Key Public Risk Communication Messages for This Week:

MDPH concluded the mosquito testing season with 164 WNV positive mosquito samples from Barnstable, Berkshire, Bristol, Essex, Hampden, Hampshire, Middlesex, Norfolk, Plymouth, Suffolk, and Worcester Counties. MDPH also reports 28 EEE positive mosquito samples from Barnstable, Bristol, Hampden and Worcester Counties.

Average daytime temperatures will continue to support populations of mosquito vectors which pose a risk for human transmission until a statewide hard frost. 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.

Check your risk levels throughout the season by visiting our interactive site <https://www.mass.gov/info-details/massachusetts-arbovirus-update> and 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 40 (Sunday, 10/08/2023-Saturday, 10/14/2023)	
Mosquito Surveillance	
Number of Mosquito Samples Tested	10765
Number of WNV Positive Samples	164
Number of EEE Positive Samples	28
Equine/Mammal Surveillance	
Number of Mammal Specimens Tested	2
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	215
Number of Human WNV Cases	4
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
37 (09/10-09/16/2023)	34	29	48	186	7	28	18	72	45	41	165	8	681
38 (09/17-09/23/2023)	18	31	46	154	0	17	29	65	40	20	187	4	611
39 (09/24-09/30/2023)	6	21	40	90	1	9	17	32	29	14	82	4	345
40 (10/01-10/07/2023)	4	46	21	41	1	0	6	0	38	49	92	0	298
41 (10/08-10/14/2023)	3	0	24	67	1	7	0	0	51	0	78	0	231
Total	578	497	865	2463	70	233	400	866	751	684	3201	157	10765