

Massachusetts Department of Public Health

Arbovirus Surveillance Program Report

Key Public Risk Communication Messages for This Week:

MDPH has identified 23 West Nile virus positive mosquito samples collected in Barnstable, Essex, Hampden, Middlesex, Norfolk and Suffolk Counties. Due to sustained WNV mosquito activity seven communities in Middlesex, Norfolk and Suffolk counties were raised to moderate WNV risk. The populations of mosquito vectors that transmits WNV and EEE are above average and increasing due to intense regional precipitation events and continued warm weather. 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> For a detailed list of findings in your community select [Arbovirus Results Summary](#) on the main page.

Please review the 2021 MDPH Surveillance and Response Plan for updates to risk levels and risk messaging. <https://www.mass.gov/doc/2021-arbovirus-surveillance-and-response-plan/download>

Establish good mosquito avoidance habits now

• Teach children to be aware of mosquito activity around them and avoid it	
• Pick a repellent with an EPA-approved active ingredient	• Use long sleeves to cover up when possible
• Remove standing water to help reduce mosquito populations	• Repair screens

WNV and EEE Virus Surveillance Summary Results contained in this report reflect data inclusive of MMWR Week 30 (Sunday, 07/25/2021-Saturday, 07/31/2021)	
Mosquito Surveillance	
Number of Mosquito Samples Tested	3458
Number of WNV Positive Samples	23
Number of EEE Positive Samples	0
Equine/Mammal Surveillance	
Number of Mammal Specimens Tested	5
Number of WNV Positive Horses	0
Number of EEE Positive Horses	0
Number of other EEE Positive Mammals	0
Human Surveillance	
Number of Human Specimens Tested	68
Number of Human WNV Cases	0
Number of Human EEE Cases	0

Summary of 2021 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	SLI	Suffolk County MCP	Total Tested
26 (6/27-7/3/2021)	24	15	42	54	0	16	16	17	18	18	291	8	519
27 (07/04-07/10/2021)	9	37	66	98	3	8	33	17	27	25	201	5	529
28 (07/11-07/17/2021)	21	26	48	50	2	19	19	12	0	10	250	13	470
29 (07/18-07/24/2021)	8	32	42	91	2	9	6	22	36	81	229	6	564
30 (07/25-07/31/2021)	9	44	58	101	5	31	15	43	40	40	347	20	753
Total	106	179	305	427	12	83	114	143	155	231	1651	52	3458

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

**Cumulative Confirmed and Probable Human Chikungunya Virus Infections and Dengue Fever Cases
Reported in Massachusetts by County of Residence, 2021**
(These data are current as of 07/31/2021 and are subject to change)

County	Chikungunya virus infection	Dengue Fever
Barnstable	0	0
Berkshire	0	0
Bristol	0	0
Dukes	0	0
Essex	0	0
Franklin	0	0
Hampden	0	0
Hampshire	0	0
Middlesex	0	0
Nantucket	0	0
Norfolk	0	0
Plymouth	0	0
Suffolk	0	0
Worcester	0	0
Total	0	0

Note: Cases listed above were travel-acquired unless otherwise noted.