

## Massachusetts Department of Public Health Arbovirus Surveillance Program Report

### Key Public Risk Communication Messages for This Week:

MDPH has identified 30 West Nile virus positive mosquito samples collected in Barnstable, Bristol, Essex, Hampden, Middlesex, Norfolk, Plymouth and Suffolk Counties. 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

<ul style="list-style-type: none"><li>• Teach children to be aware of mosquito activity around them and avoid it</li></ul>	
• 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

<b>WNV and EEE Virus Surveillance Summary</b> Results contained in this report reflect data inclusive of MMWR Week 31 (Sunday, 08/01/2021-Saturday, 08/07/2021)	
<b>Mosquito Surveillance</b>	
Number of Mosquito Samples Tested	<b>4176</b>
Number of WNV Positive Samples	<b>30</b>
Number of EEE Positive Samples	<b>0</b>
<b>Equine/Mammal Surveillance</b>	
Number of Mammal Specimens Tested	<b>6</b>
Number of WNV Positive Horses	<b>0</b>
Number of EEE Positive Horses	<b>0</b>
Number of other EEE Positive Mammals	<b>0</b>
<b>Human Surveillance</b>	
Number of Human Specimens Tested	<b>85</b>
Number of Human WNV Cases	<b>0</b>
Number of Human EEE Cases	<b>0</b>

**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 Country MCP	Northeast MA MCP	Pioneer Valley	Plymouth County MCP	SLI	Suffolk County MCP	Total Tested
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
31 (08/01-08/07/2021)	4	35	47	183	5	9	30	55	57	25	253	15	718
<b>Total</b>	<b>110</b>	<b>214</b>	<b>352</b>	<b>610</b>	<b>17</b>	<b>92</b>	<b>144</b>	<b>198</b>	<b>212</b>	<b>256</b>	<b>1904</b>	<b>67</b>	<b>4176</b>

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 08/07/2021 and are subject to change)

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

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