

Maine Weekly Influenza Surveillance Report

2024-2025 Influenza Season

November 26, 2024

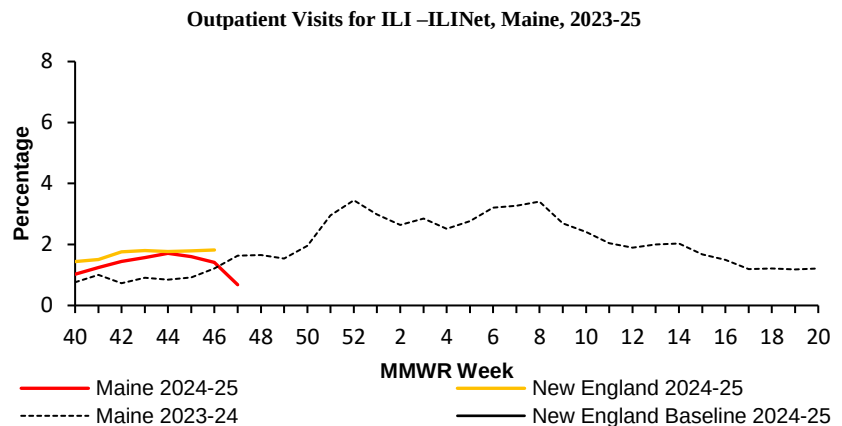
Data for MMWR week 47 (ending 11/23/2024)



U.S. Outpatient Influenza-like Illness Surveillance Network (ILINet)

Percent of Outpatient Health Care Visits Due to ILI
0.68

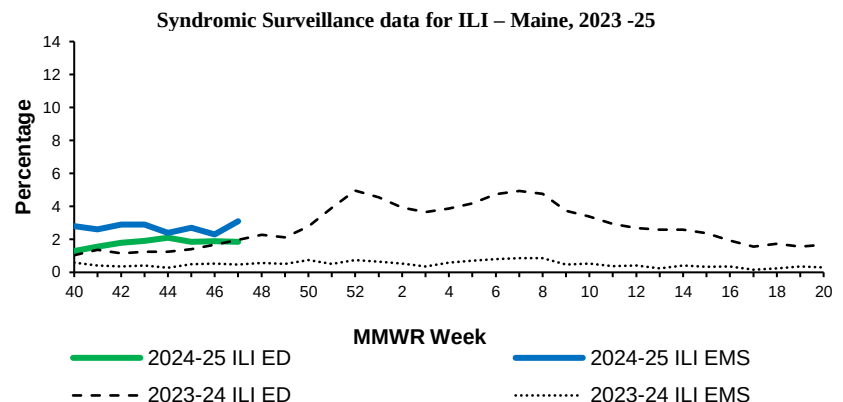
Number of ILINet Reporting Providers
45



Syndromic Surveillance

Percent of Emergency Room Visits Due to ILI
1.85

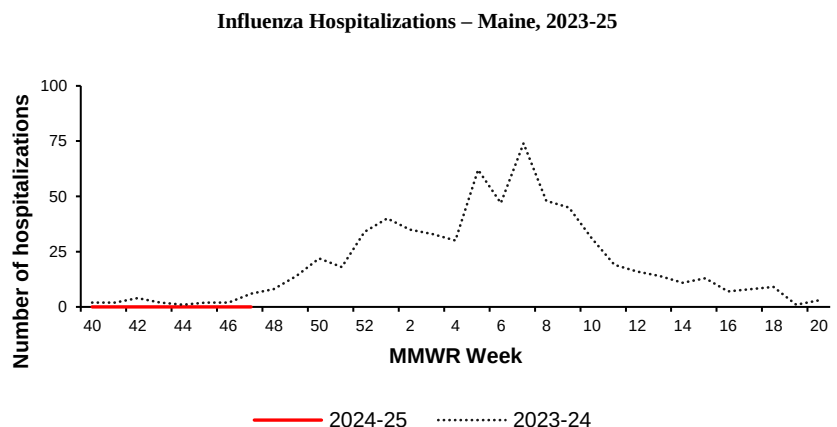
Percent of Emergency Medical Services (EMS) calls for ILI
0.16



Hospitalizations

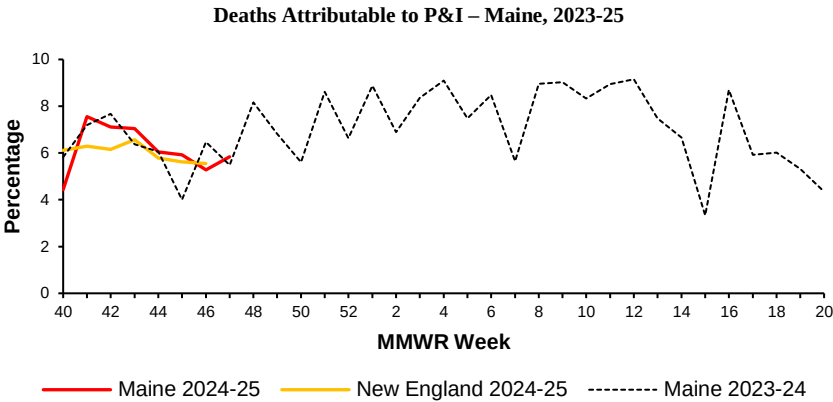
Influenza-Associated Hospitalizations This Week
0

Total Influenza-Associated Hospitalizations This Season
0



Pneumonia and Influenza (P&I) Deaths

Percent of Deaths Due to P&I
5.83%
Influenza-Associated Deaths This Week*
0
Total Influenza-Associated Deaths This Season*
0
Pediatric Influenza-Associated Deaths This Season
0

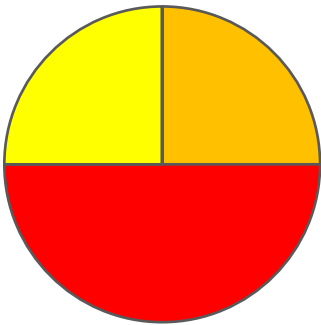
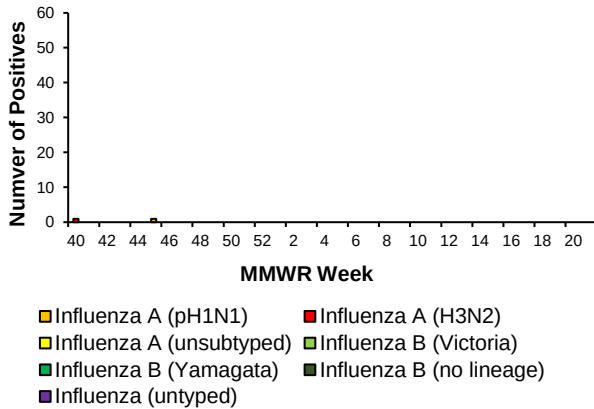


*This number represents the number of individuals who had influenza specifically listed on their death certificate. This is likely an underrepresentation of the true burden, as many influenza-associated deaths are due to secondary infections. This is why Maine CDC reports Pneumonia and Influenza (P&I) deaths.

Virologic Surveillance

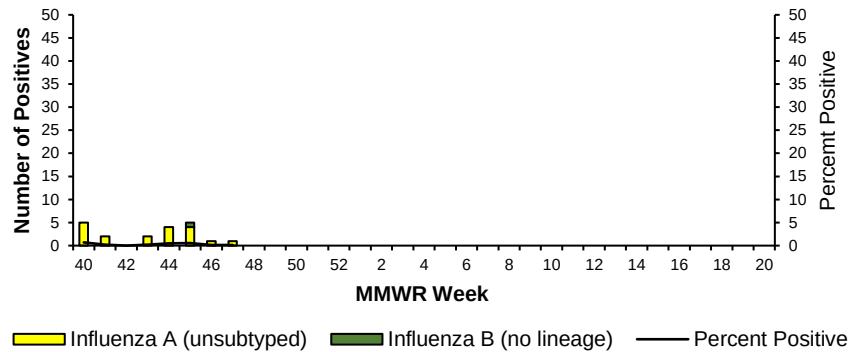
Health and Environmental Testing Laboratory	Week 45	2024-25 Season
No. of specimens tested	4	8
No. of positive specimens	3	4
Positive specimens by type		
Influenza A	-	-
(H1N1)pdm09	1	1
H3N2	1	2
Influenza B	-	-
Yamagata lineage	-	-
Victoria lineage	-	-

Influenza Positive PCR Tests, HETL – Maine, 2024-25

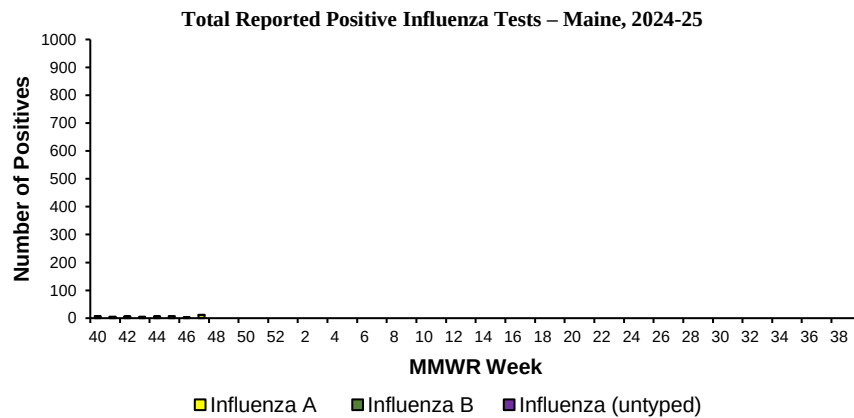


Maine Reference Laboratories	Week 47	2024-25 Season
No. of specimens tested	971	7108
No. of positive specimens (%)	1(0.10%)	19 (0.27%)
<i>Positive specimens by type</i>		
Influenza A	1	19
Influenza B	0	1

Influenza Positive Tests, Maine Reference Labs – Maine, 2024-25



All Reported Laboratory Results	Week 47	2024-25 Season
No. of specimens positive by antigen test	6	25
No. of specimens positive by molecular test	6	31
<i>Positive specimens by type</i>		
Influenza A	11 (92%)	46 (82.2%)
Influenza B	1 (8%)	10 (17.8%)



Antigenic Characterization (Vaccine Strain Match)

US CDC characterizes antigenicity by how well antibodies made against the vaccine strains recognize circulating virus that have been grown in cell culture. Of the characterized viruses, the vaccine strain antibodies recognized:

- 96.3% of influenza A/H1N1 viruses were well-recognized by ferret antisera raised against the cell-grown A/Wisconsin/67/2022-like reference virus for the season
- 74.9% of influenza A/H3N2) viruses were well-recognized by ferret antisera raised against the cell-grown A/Massachusetts/18/2022-like reference virus for the season.
- 100% of influenza B/Victoria lineage viruses were well-recognized by ferret antisera raised against the cell-grown B/Austria/1359417/2021-like reference virus.
- No influenza B/Yamagata samples were available for characterization

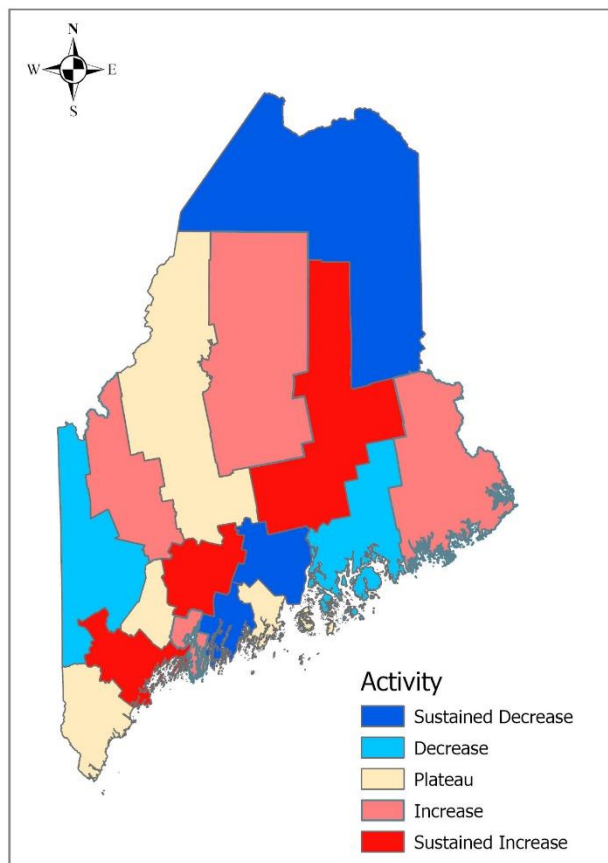
Weekly County-level Influenza, Maine, Week 47

County	Positive labs	Hospitalizations	Activity Trend	Severity Estimate ^s
Androscoggin	0	0	Sustained Increase	low
Aroostook	0	0	Sustained Decrease	low
Cumberland	0	0	Decrease	low
Franklin	0	0	Sustained Decrease	low
Hancock	2	0	Increase	low
Kennebec	1	0	Sustained Increase	low
Knox	0	0	Sustained Increase	low
Lincoln	0	0	Decrease	low
Oxford	1	0	Plateau	low
Penobscot	2	0	Decrease	low
Piscataquis	0	0	Decrease	low
Sagadahoc	0	0	Plateau	low
Somerset	0	0	Sustained Decrease	low
Waldo	0	0	Plateau	low
Washington	0	0	Decrease	low
York	6	0	Increase	low
Total	12	0	-	-

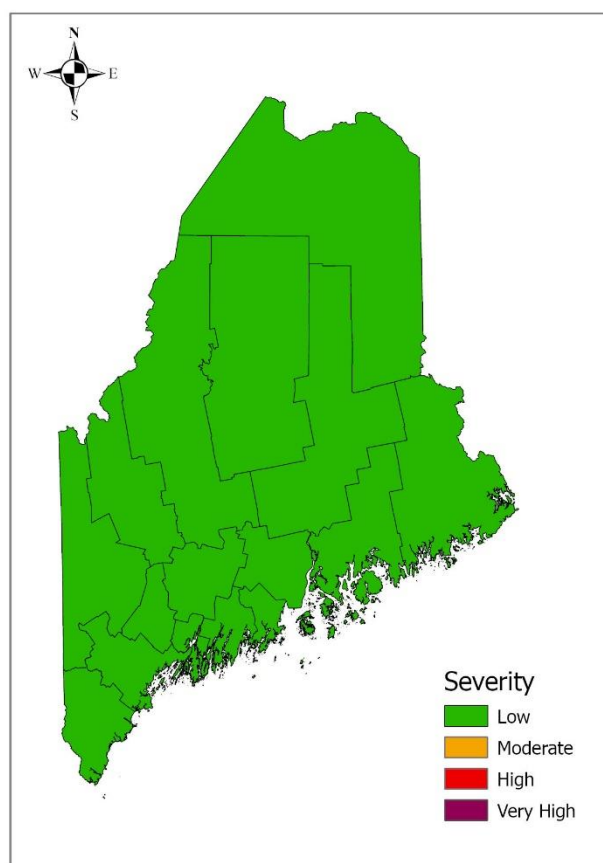
*Activity trends are determined by county-level emergency department visits due to ILI. Activity trend levels include “sustained increase”, “increase”, “plateau”, “decrease”, and “sustained decrease.” This will become available when enough weeks of data have been collected.

^sSeverity is estimated using county-level P&I deaths, syndromic surveillance, and hospitalizations. Thresholds are calculated statewide from previous seasons’ data using the moving epidemic method, as described at <https://www.cdc.gov/flu/about/classifies-flu-severity.htm>

Influenza Activity Trends, Maine, Week 47



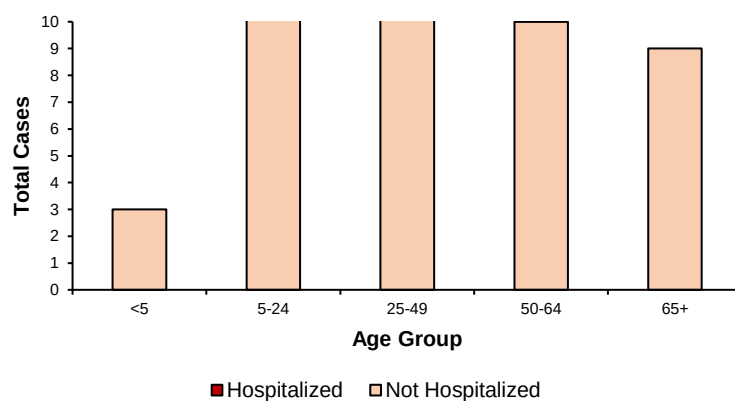
Influenza Severity Estimates, Maine Week 47



Age Information – Maine, 2024-25 Influenza Season

	Age (years)		
	Min.	Mean	Max
Cases	< 1	42	88
Hospitalizations	NA	NA	NA
Deaths	NA	NA	NA

Positive Influenza Tests by Age and Hospitalization Status – Maine, 2024-25

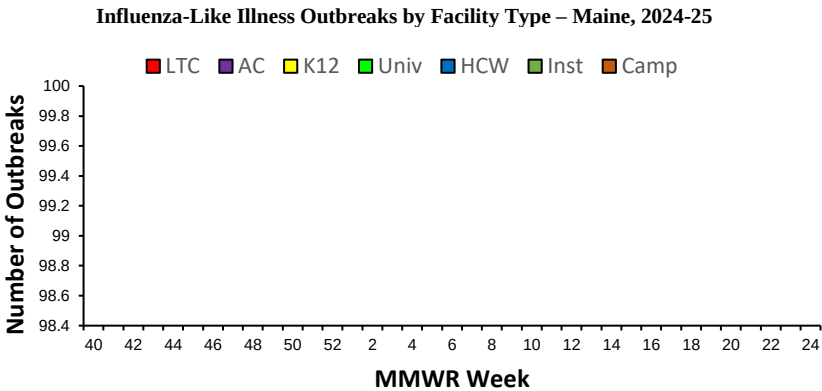


All data are preliminary and subject to change

Influenza-Like Illness Outbreaks – Maine, 2024-25 Influenza Season

Number of New Outbreak Investigations
0
Total Outbreaks This Season
0

Outbreak Facility Type Key:
LTC - Long Term Care Facility
AC - Acute Care Facility (nosocomial)
K12 - School (K-12) or daycare
Univ - School (residential) or University
HCW - Health care workers
Inst - Other institutions (workplaces, correctional facilities etc)
Camp - Camp



Influenza-Like Illness Outbreak by Facility Type and County – Maine, 2024-25								
County	LTC	AC	K12	Univ	HCW	Inst	Camp	Total
Androscoggin								
Aroostook								
Cumberland								
Franklin								
Hancock								
Kennebec								
Knox								
Lincoln								
Oxford								
Penobscot								
Piscataquis								
Sagadahoc								
Somerset								
Waldo								
Washington								
York								
Total	-	-	-	-	-	-	-	-

National Influenza Surveillance Data

Source: <https://www.cdc.gov/flu/weekly/>

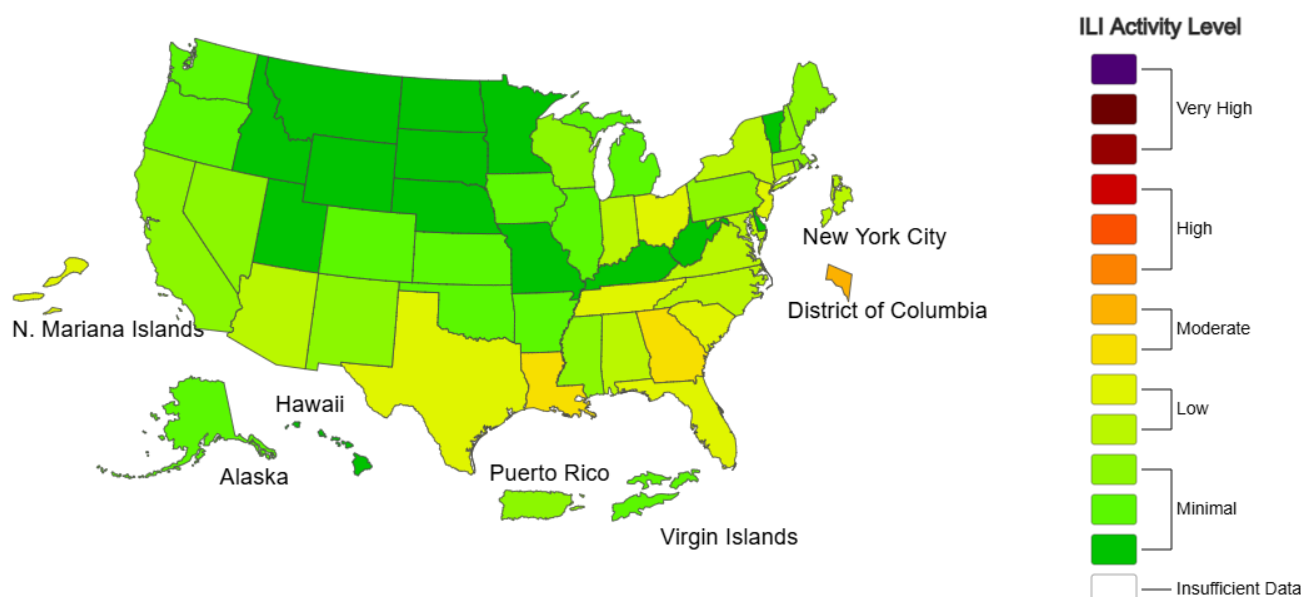


A Weekly Influenza Surveillance Report Prepared by the Influenza Division

Outpatient Respiratory Illness Activity Map Determined by Data Reported to ILINet

This system monitors visits for respiratory illness that includes fever plus a cough or sore throat, also referred to as ILI, not laboratory confirmed influenza and may capture patient visits due to other respiratory pathogens that cause similar symptoms.

2024-25 Influenza Season Week 46 ending Nov 16, 2024



*This map uses the proportion of outpatient visits to healthcare providers for influenza-like illness to measure the ILI activity level within a state. It does not, however, measure the extent of geographic spread of flu within a state. Therefore, outbreaks occurring in a single city could cause the state to display high activity levels.

*Data collected in ILINet may disproportionately represent certain populations within a state, and therefore may not accurately depict the full picture of influenza activity for the whole state.

*Data displayed in this map are based on data collected in ILINet, whereas the State and Territorial flu activity map are based on reports from state and territorial epidemiologists. The data presented in this map is preliminary and may change as more data is received.

*Differences in the data presented by CDC and state health departments likely represent differing levels of data completeness with data presented by the state likely being the more complete.

*For the data download you can use Activity Level for the number and Activity Level Label for the text description.

*This graphic notice means that you are leaving an HHS Web site.

For more information, please see CDC's Exit Notification and Disclaimer policy.

For more information on the methodology, please visit Outpatient Illness Surveillance methods section.

- All current and archived influenza surveillance reports are located at www.maine.gov/dhhs/flu/weekly
- Sign up to automatically receive influenza surveillance report at <https://public.govdelivery.com/accounts/MEHHS/subscriber/new?preferences=true>
- An overview of Maine influenza surveillance, including descriptions of the surveillance systems and data used to generate surveillance reports can be found at <https://www.maine.gov/dhhs/mecdc/infectious-disease/epi/influenza/documents/Flu-Surveillance-Data-Overview-24-25.pdf>