Maine Weekly Influenza Surveillance Report

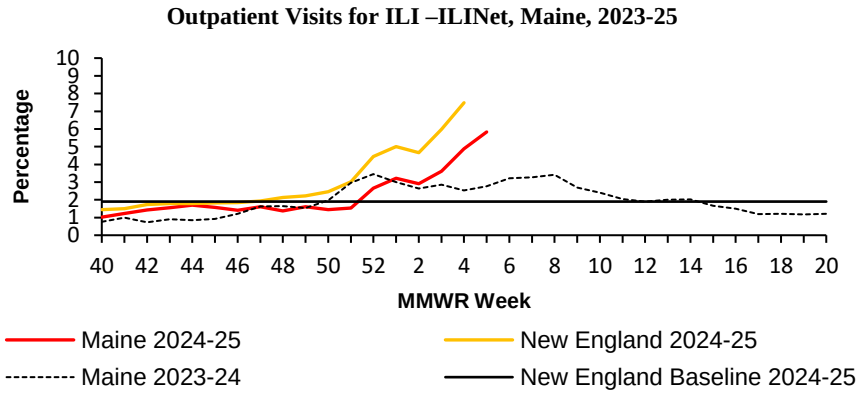
2024-2025 Influenza Season

February 4, 2025
Data for MMWR week 5 (ending 2/1/2025)

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

Percent of Outpatient Health Care Visits Due to ILI
5.83

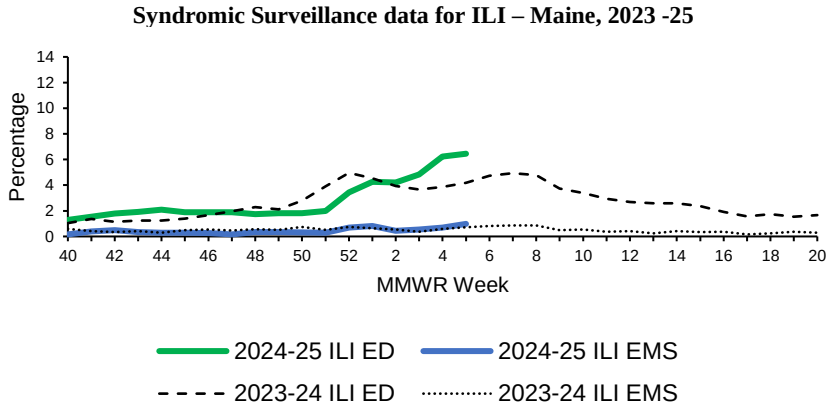
Number of ILINet Reporting Providers
45



Syndromic Surveillance

Percent of Emergency Room (ED) Visits Due to ILI
6.45

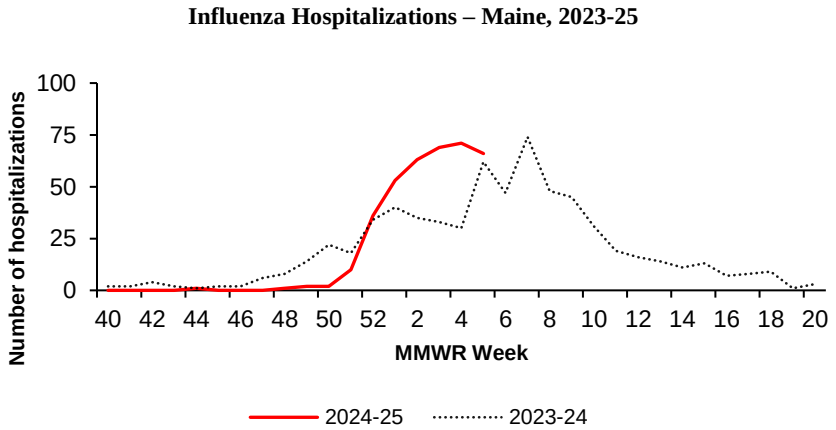
Percent of Emergency Medical Services (EMS) calls for ILI
0.98



Hospitalizations

Influenza-Associated Hospitalizations This Week
66

Total Influenza-Associated Hospitalizations This Season
374



All data are preliminary and subject to change

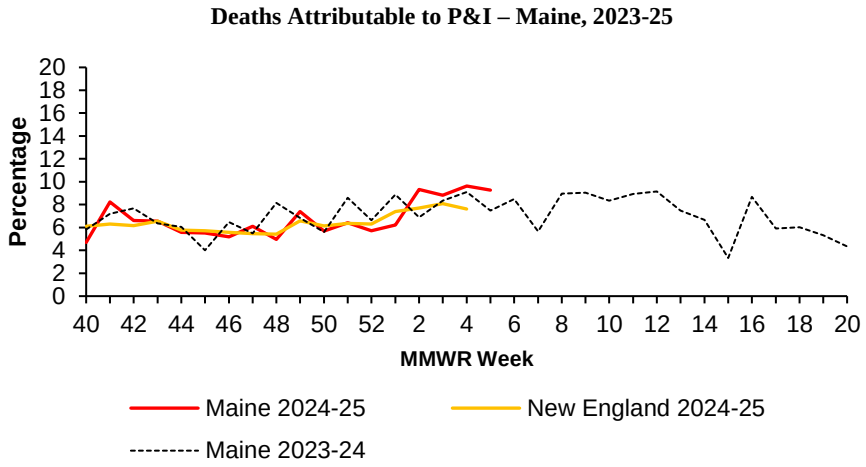
Pneumonia and Influenza (P&I) Deaths

Percent of Deaths Due to P&I
9.27

Influenza-Associated Deaths This Week*
4

Total Influenza-Associated Deaths This Season*
19

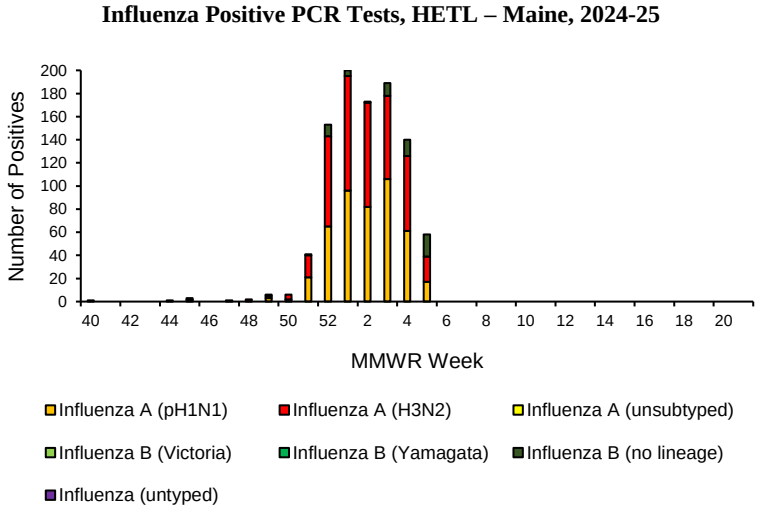
Pediatric Influenza-Associated Deaths This Season
0

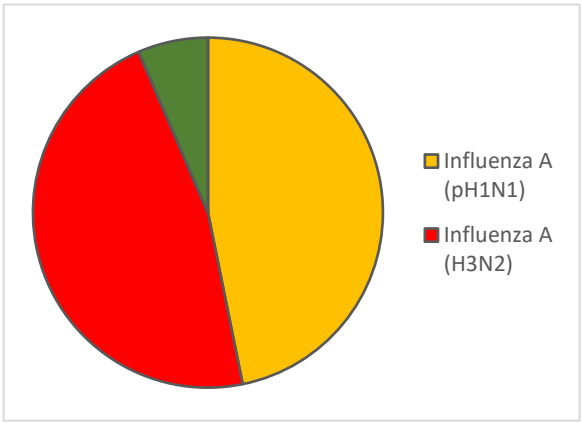


*This number represents the number of individuals who had influenza specifically listed on their death certificate. This is likely an underrepresentation of the true burden, as many influenza-associated deaths are due to secondary infections. This is why Maine CDC reports Pneumonia and Influenza (P&I)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

Virologic Surveillance

Health and Environmental Testing Laboratory	Week 5	2024-25 Season
No. of specimens tested	68	1,061
No. of positive specimens	58 (85%)	974 (92%)
Positive specimens by type		
Influenza A		
(H1N1)pdm09	17 (29%)	456 (47%)
H3N2	22 (38%)	455 (47%)
Influenza B	19 (28%)	63 (6%)
Yamagata lineage	-	-
Victoria lineage	-	-





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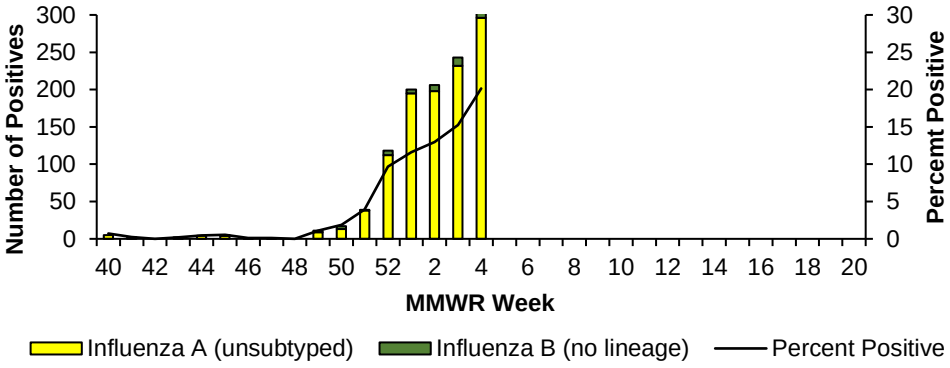
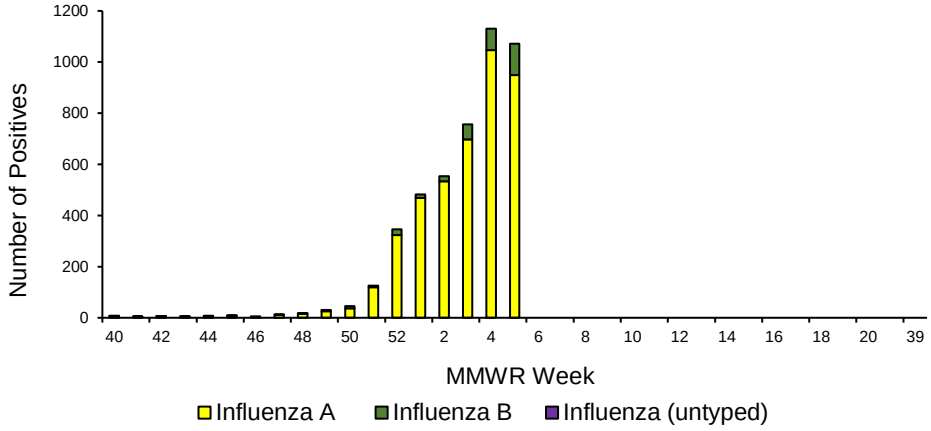
Maine Reference Laboratories	Week 5	2024-25 Season
No. of specimens tested	-	18,521
No. of positive specimens (%)	-	1,162 (6%)
Positive specimens by type		
Influenza A	-	1,112 (96%)
Influenza B	-	20 (4%)

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



All Reported Laboratory Results	Week 5	2024-25 Season
No. of specimens positive by antigen test	330	1,056
No. of specimens positive by molecular test	742	3,567
Positive specimens by type		
Influenza A	949 (89%)	4,267 (92%)
Influenza B	123 (11%)	356 (8%)

Total Reported Positive Influenza Tests – Maine, 2024-25



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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:

- 100% 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
- 41.7% 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

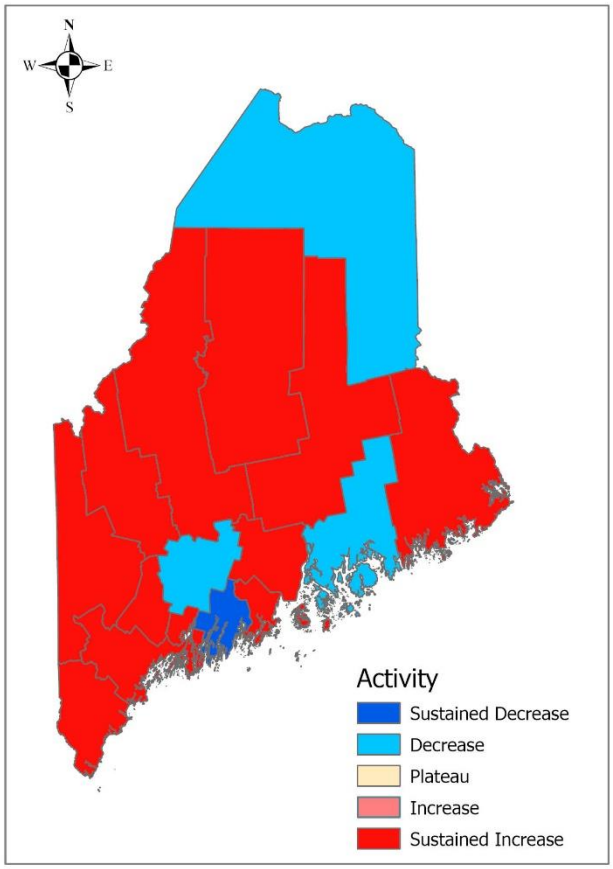
Weekly County-level Influenza, Maine, Week 5

County	Positive labs	Hospitalizations	Activity Trend	Severity Estimate[§]
Androscoggin	71	9	Sustained Increase	High
Aroostook	49	3	Decrease	Moderate
Cumberland	177	11	Sustained Increase	Moderate
Franklin	25	1	Sustained Increase	Moderate
Hancock	59	4	Decrease	Moderate
Kennebec	40	2	Decrease	Low
Knox	27	2	Sustained Increase	High
Lincoln	7	1	Sustained Decrease	Low
Oxford	36	1	Sustained Increase	Low
Penobscot	166	7	Sustained Increase	Low
Piscataquis	13	0	Sustained Increase	Low
Sagadahoc	20	2	Sustained Increase	Moderate
Somerset	71	2	Sustained Increase	Low
Waldo	26	2	Sustained Increase	Moderate
Washington	31	2	Sustained Increase	Moderate
York	259	17	Sustained Increase	Moderate
Total	**1077**	**66**	-	-

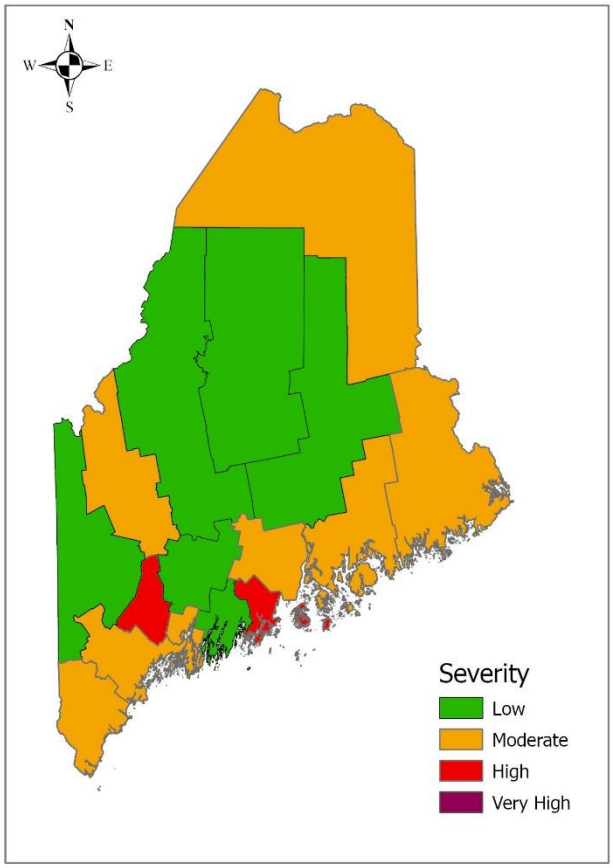
*Activity trends are determined by county-level emergency department visits due to ILI. Activity trend levels include "sustained increase", "increase", "plateau", "decrease", and "sustained decrease." This will become available when enough weeks of data have been collected.

[§]Severity 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 5



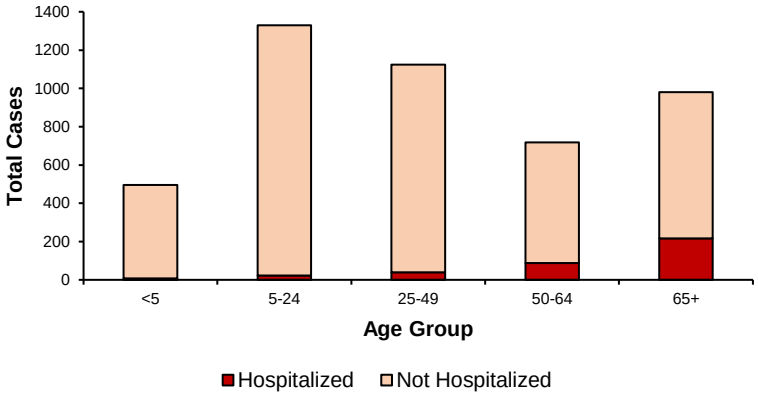
Influenza Severity Estimates, Maine, Week 5



Age Information – Maine, 2024-25 Influenza Season

	Age (years)		
	Min.	**Mean**	**Max**
Cases	< 1	38	104
Hospitalizations	<1	64	99
Deaths	42	73	103

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



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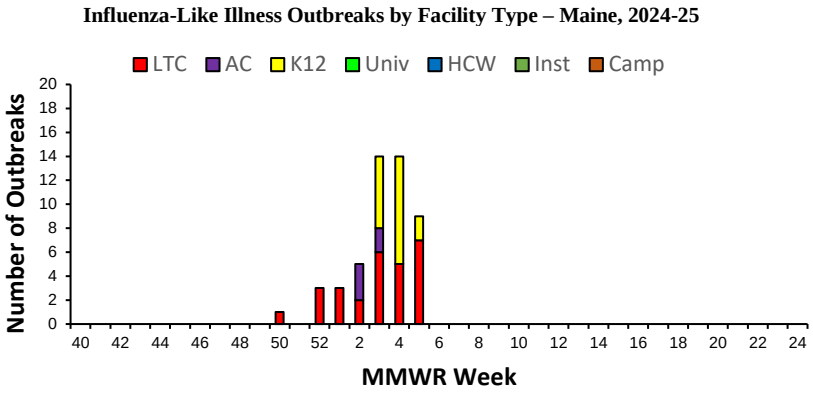
Influenza-Like Illness Outbreaks – Maine, 2024-25 Influenza Season

Number of New Outbreak Investigations
9

Total Outbreaks This Season
49

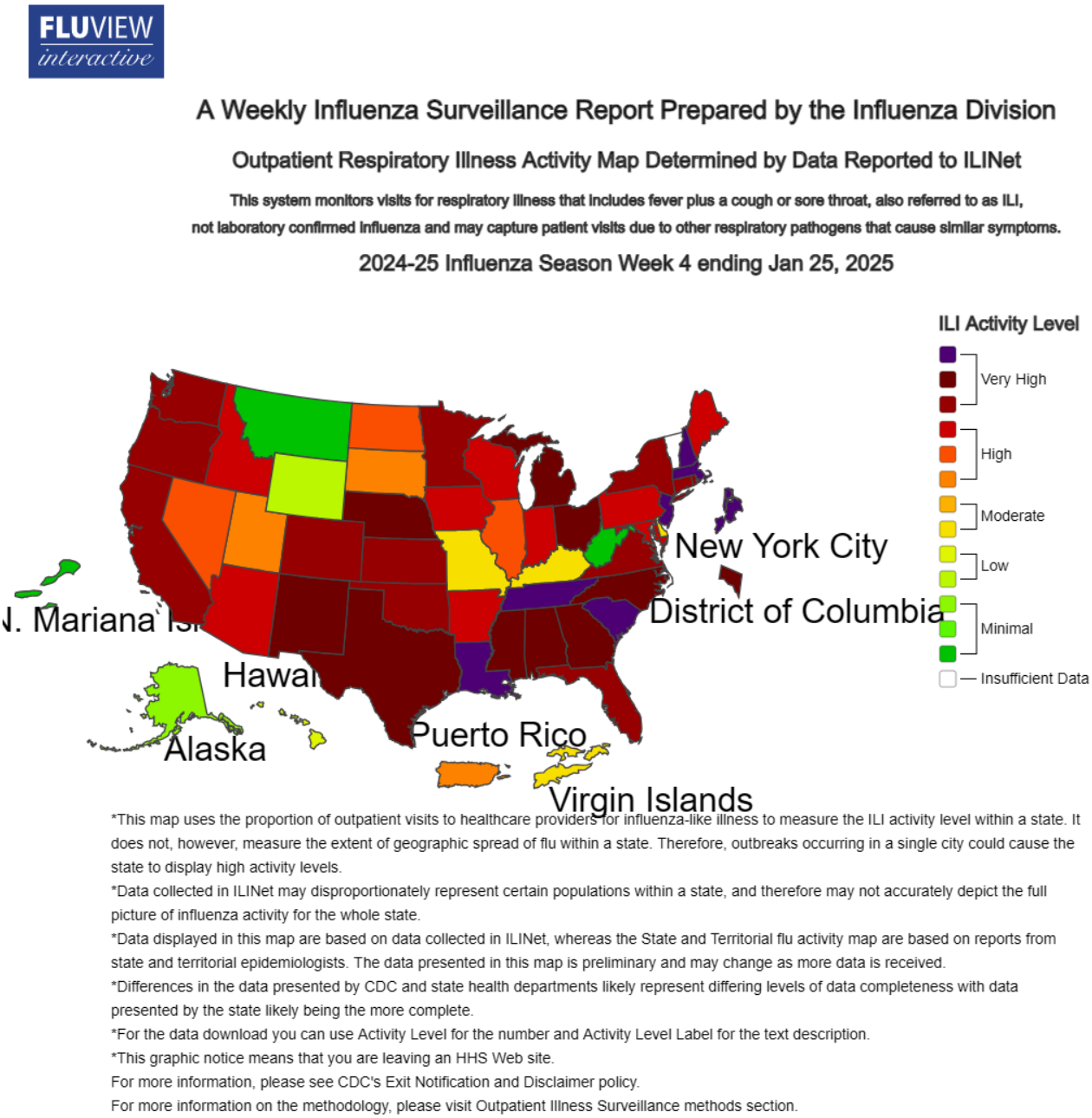


Outbreak Facility Type Key:
LTC - Long Term Care Facility
AC - Acute Care Facility (nosocomial)
K12 - School (K-12) or daycare
Univ - School (residential) or University
HCW - Health care workers
Inst - Other institutions (workplaces, correctional facilities etc)
Camp - Camp

Influenza-Like Illness Outbreak by Facility Type and County – Maine, 2024-25

County	LTC	AC	K12	Univ	HCW	Inst	Camp	Total
Androscoggin	1	1	1					3
Aroostook	2	1	2					5
Cumberland	12	1	2					15
Franklin								0
Hancock			1					1
Kennebec	3		2					5
Knox	1		1					2
Lincoln								0
Oxford	1							1
Penobscot	2	1	1					4
Piscataquis								0
Sagadahoc	1							1
Somerset								0
Waldo			1					1
Washington			4					4
York	5	1	1					7
Total	28	5	16	0	0	0	0	49

National Influenza Surveillance Data
Source: https://gis.cdc.gov/grasp/fluview/main.html



- 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