

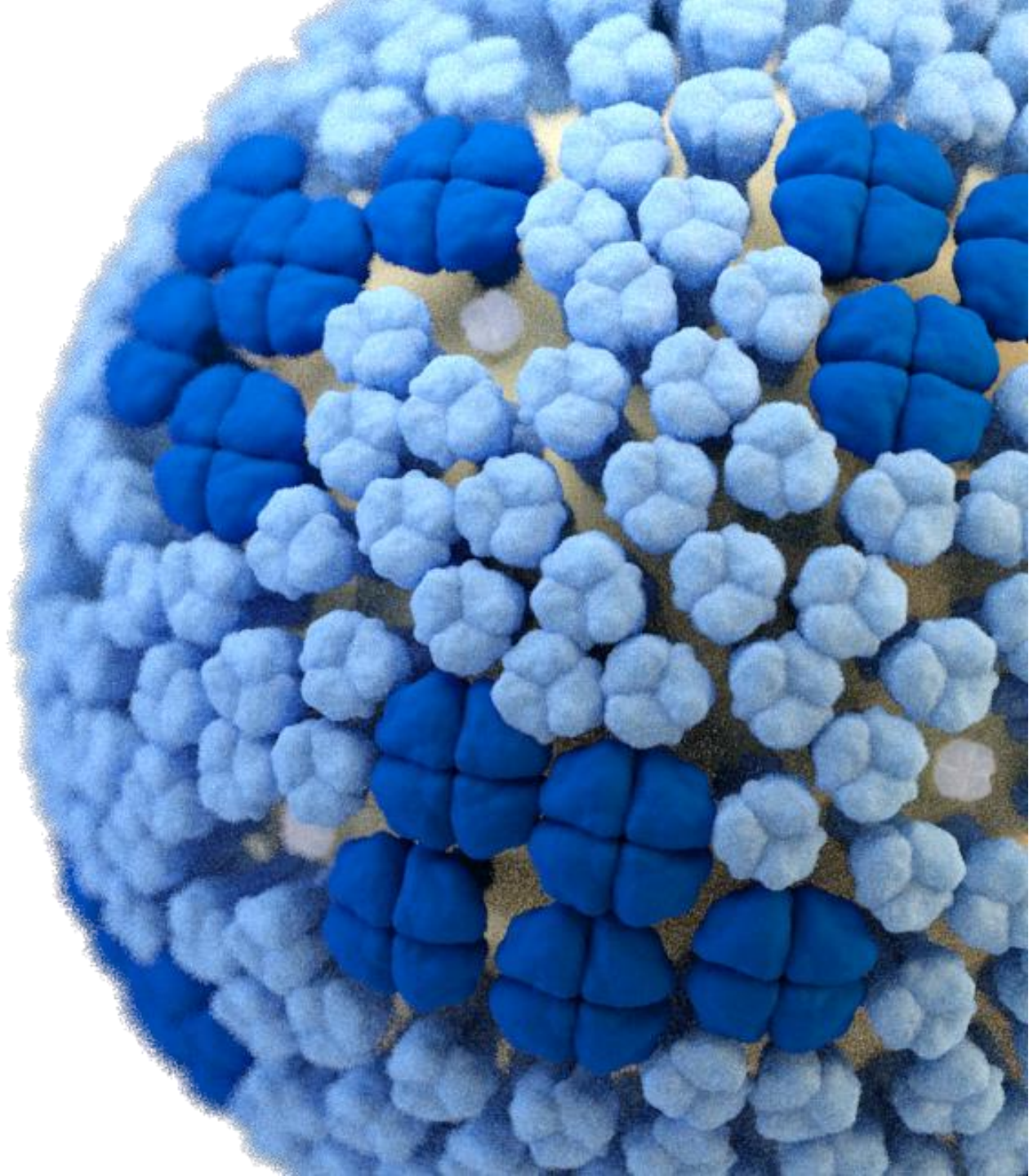
# Influenza Update: 2024-2025 Season

January 16, 2025

*(Data through Week 1, ending Jan 4, 2025)*

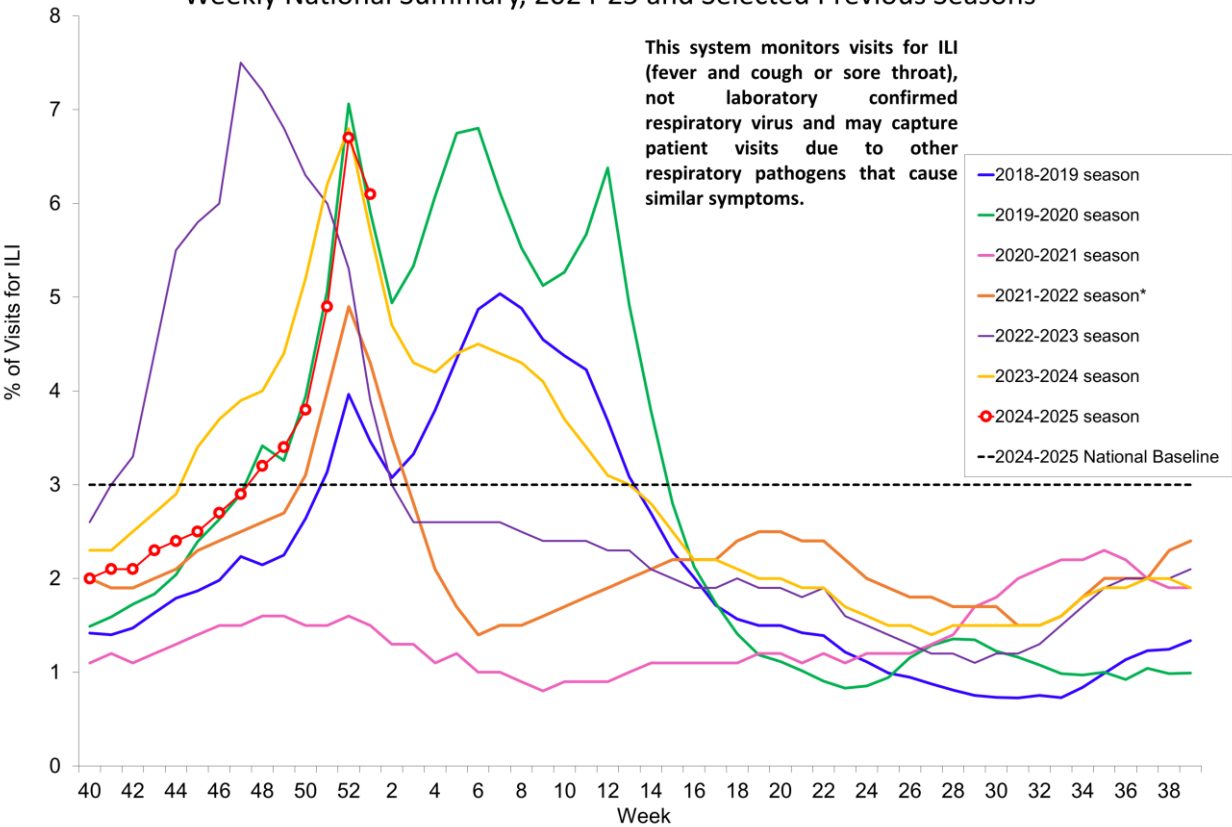
Katie Reinhart, PhD, MPH

Influenza Division, CDC

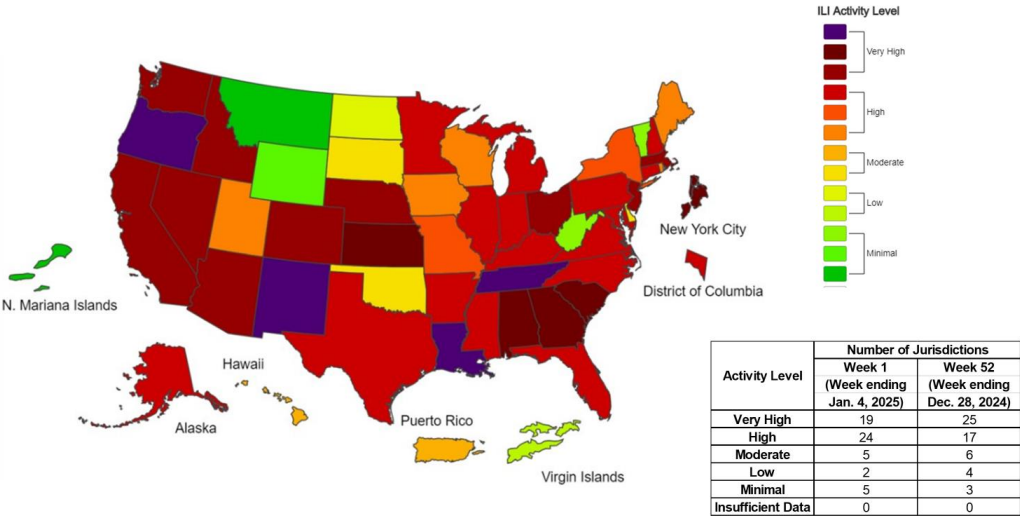
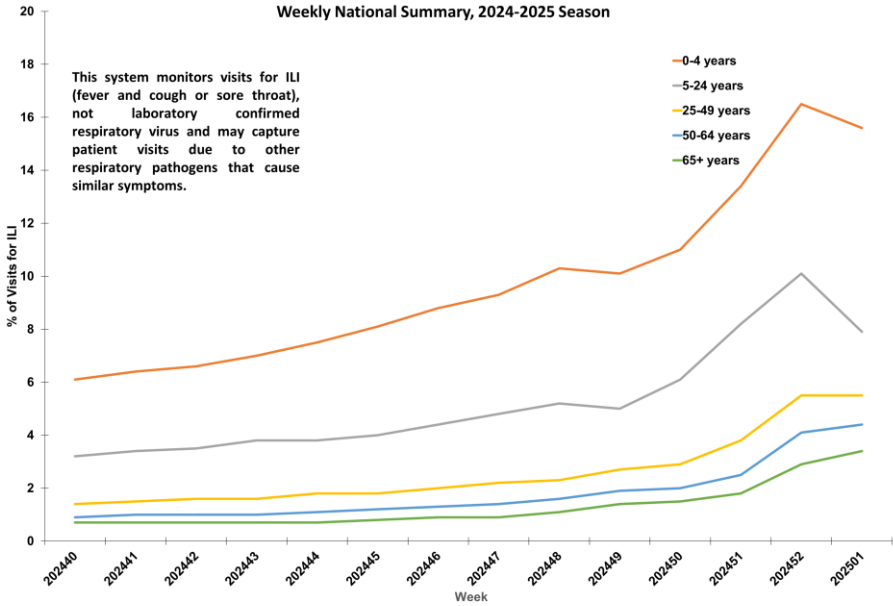


# Outpatient Respiratory Illness

Percentage of Outpatient Visits for Respiratory Illness Reported By  
The U.S. Outpatient Influenza-like Illness Surveillance Network (ILINet),  
Weekly National Summary, 2024-25 and Selected Previous Seasons

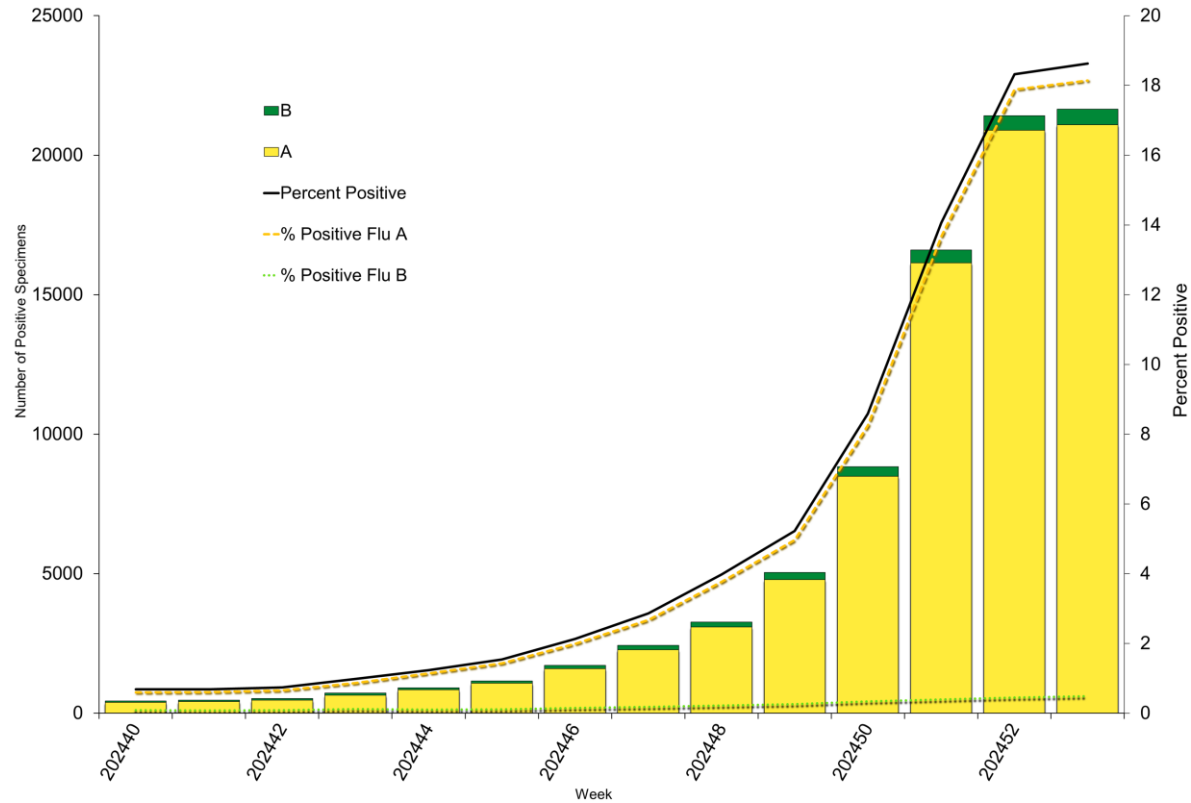


Percentage of Outpatient Visits for Respiratory Illness by Age Group  
Reported by the U.S. Outpatient Influenza-like Illness Surveillance Network (ILINet),  
Weekly National Summary, 2024-2025 Season

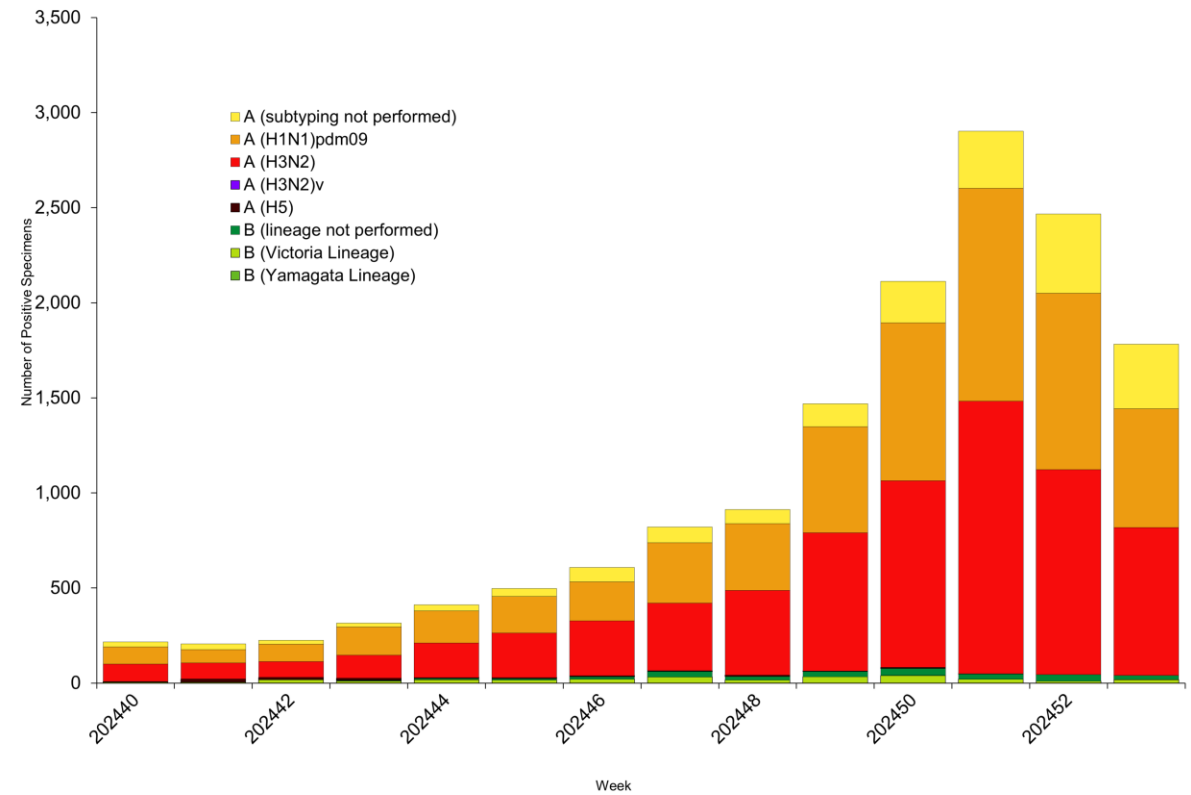


# Virologic Surveillance

Influenza Positive Tests Reported to CDC by U.S. Clinical Laboratories, National Summary, 2024-2025 Season



Influenza Positive Tests Reported to CDC by U.S. Public Health Laboratories, National Summary, 2024-2025 Season



\*These data reflect specimens tested, and the number determined to be positive for influenza viruses at the public health labs (specimens tested is not the same as cases). The data do not reflect specimens tested only at CDC and could include more than one specimen tested per person. The guidance for influenza A/H5 virus testing recommends testing both a conjunctival and respiratory swab for people with conjunctivitis which has resulted in more specimens testing positive for influenza A/H5 virus than the number of human H5 cases.

# Genetic and Antigenic Characterization

Virus Subtype or Lineage (tested)	Genetic Characterization				Antigenic Characterization	
	HA Clade	Number (% of subtype/lineage tested)	HA Subclade	Number (% of subtype/lineage tested)	Number Tested	Similarity to cell-grown vaccine reference virus
A/H1						
316	5a.2a	180 (57.0%)	C.1.9	180 (57.0%)	40	100%
	5a.2a.1*	136 (43.0%)	D	6 (1.9%)		
			D.1	2 (0.6%)		
			D.3	15 (4.7%)		
			D.5	113 (35.8%)		
A/H3						
428	2a.3a	5 (1.2%)	G.1.3.1	5 (1.2%)	63	39.7%
	2a.3a.1*	423 (98.8%)	J.1	1 (0.2%)		
			J.1.1	3 (0.7%)		
			J.2	383 (89.5%)		
			J.2.1	8 (1.9%)		
			J.2.2	28 (6.5%)		
B/Victoria						
59	3a.2*	59 (100%)	C.3	1 (1.7%)	7	100%
			C.5	7 (11.9%)		
			C.5.1	37 (62.7%)		
			C.5.6	8 (13.6%)		
			C.5.7	6 (10.2%)		

\* indicates the clade of the vaccine reference viruses

# Influenza A(H5N1) Current Situation

## Exposure Source

State	Exposure Associated with Commercial Agriculture and Related Operations			Exposure Source Unknown <sup>†</sup>	State Total
	Dairy Herds (Cattle)	Poultry Farms and Culling Operations	Other Animal Exposure <sup>†</sup>		
California	36	0	0	2	38
Colorado	1	9	0	0	10
Iowa	0	1	0	0	1
Louisiana	0	0	1	0	1
Michigan	2	0	0	0	2
Missouri	0	0	0	1	1
Oregon	0	1	0	0	1
Texas	1	0	0	0	1
Washington	0	11	0	0	11
Wisconsin	0	1	0	0	1
Source Total	40	23	1	3	67

## National flu surveillance (since February 25, 2024)

### Specimens tested

**83,000+**

specimens tested that would have detected influenza A(H5) or other novel influenza viruses

### Human cases

**3**

case detected through national flu surveillance

## Targeted H5 surveillance (since March 24, 2024)

### Total people monitored

**11,500+**

after exposure to infected animals

### Total people tested

**570+**

after exposure to infected animals

### Human cases

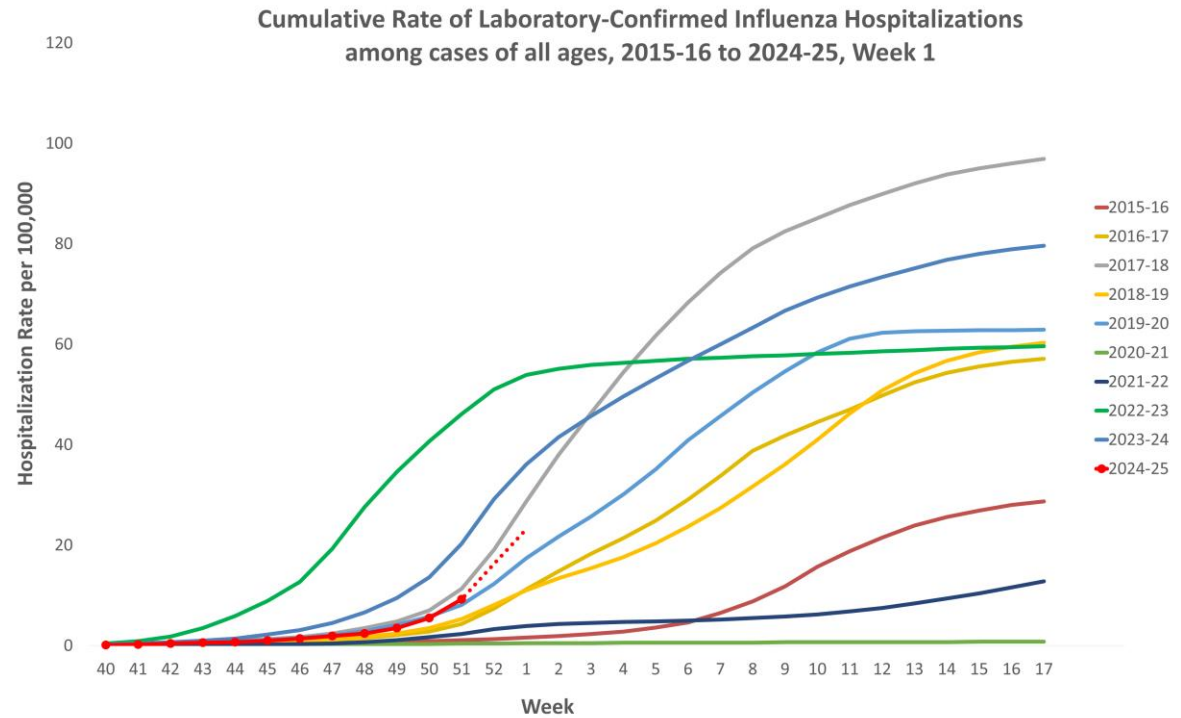
**64**

cases detected through targeted H5 surveillance

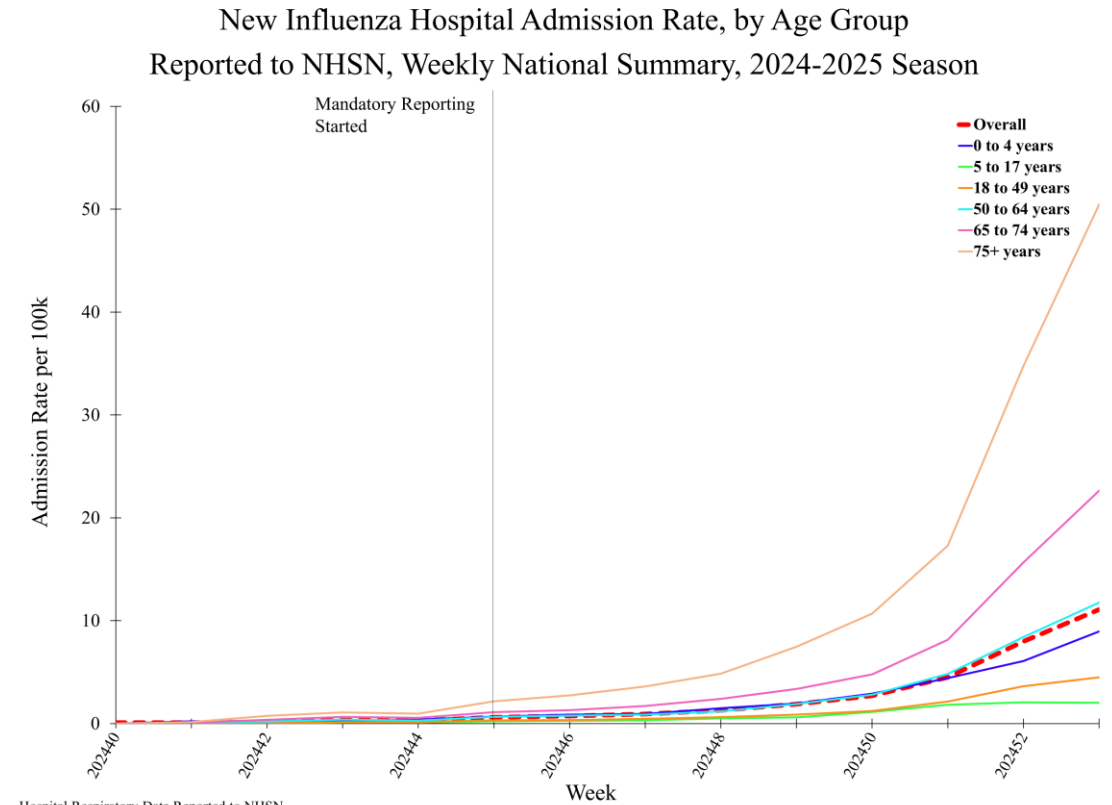
[Health Alert Network \(HAN\) - 00520 | Accelerated Subtyping of Influenza A in Hospitalized Patients](#)



# Hospitalizations: FluSurv-NET



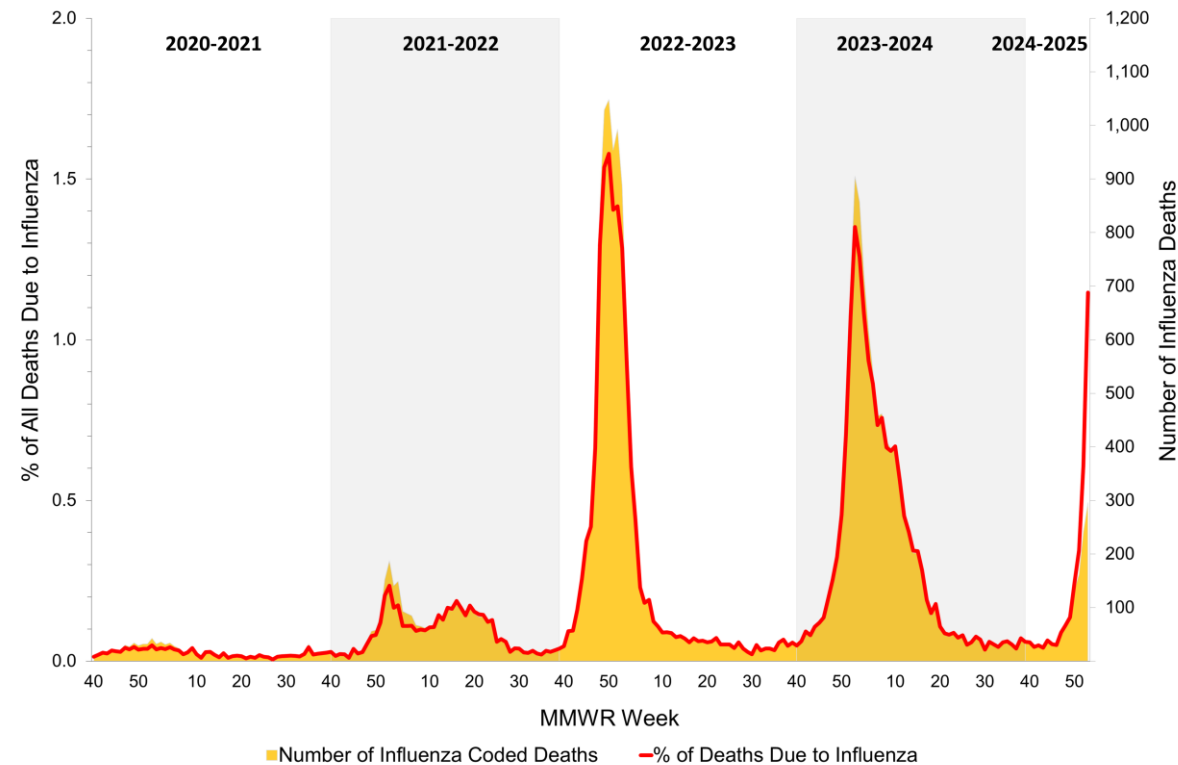
\*\*In this figure, cumulative rates for all seasons prior to the 2024-25 season reflect end-of-season rates. For the 2024-25 season, rates for recent hospital admissions are subject to reporting delays and are shown as a dashed line for the current season. As hospitalization data are received each week, prior case counts and rates are updated accordingly.



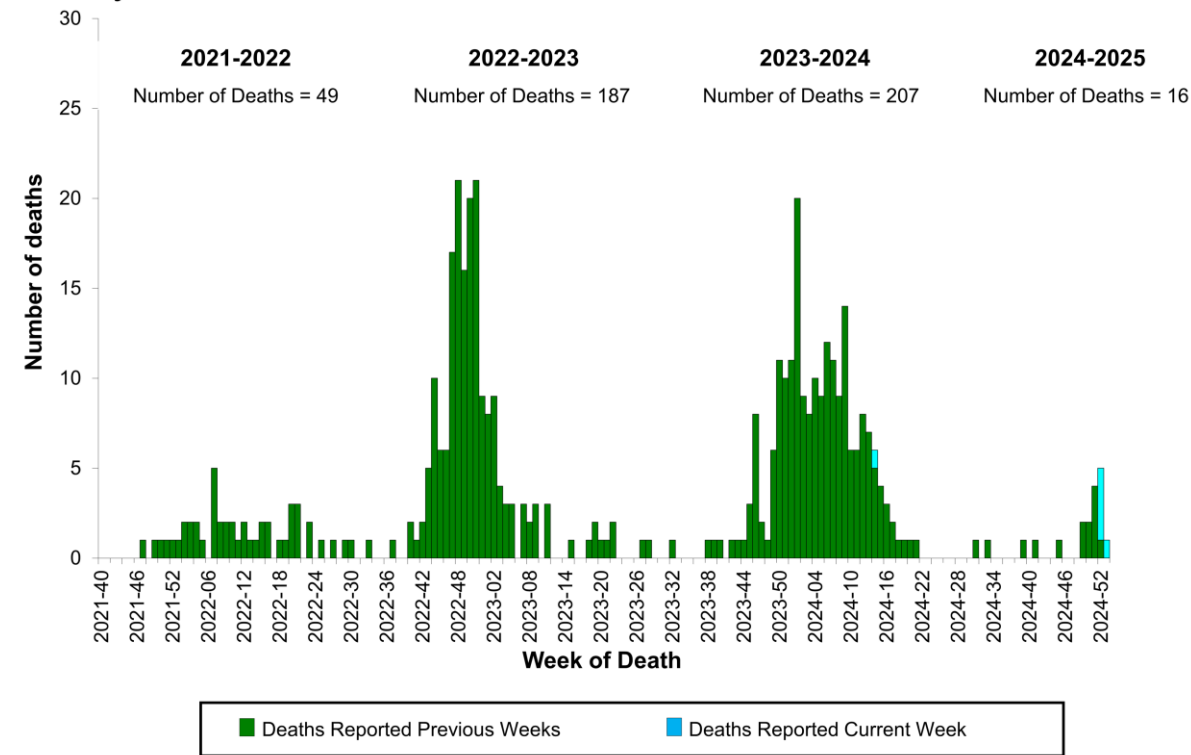
Hospital Respiratory Data Reported to NHSN

# Mortality

Influenza Mortality from  
the National Center for Health Statistics Mortality Surveillance System  
Data as of January 10, 2025



Influenza-Associated Pediatric Deaths  
by Week of Death, 2021-2022 season to 2024-2025 season



# Summary

- Seasonal influenza activity remains elevated across most of the country.
- Although some indicators have decreased or remained stable this week compared to last, this could be due to changes in healthcare seeking or reporting during the holidays rather than an indication that influenza activity has peaked. The country is still experiencing elevated influenza activity and is expected to continue for several more weeks.
- During Week 1, of the 1,783 viruses reported by public health laboratories, 1,743 were influenza A and 40 were influenza B. Of the 1,403 influenza A viruses subtyped during Week 1, 625 (44.5%) were influenza A(H1N1)pdm09 and 778 (55.5%) were A(H3N2).
- Outpatient respiratory illness is above baseline nationally for the sixth consecutive week and is above baseline in all 10 HHS regions.
- CDC [estimates](#) that there have been at least 9.1 million illnesses, 110,000 hospitalizations, and 4,700 deaths from flu so far this season.



Questions?  
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[www.cdc.gov/fluview](http://www.cdc.gov/fluview)

For more information, contact CDC  
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TTY: 1-888-232-6348 [www.cdc.gov](http://www.cdc.gov)

The findings and conclusions in this report are those of the authors and do not necessarily represent the official position of the Centers for Disease Control and Prevention.

