



Influenza (Flu) (</flu/index.htm>)

Weekly U.S. Influenza Surveillance Report

Updated November 13, 2023



A Weekly Influenza Surveillance Report Prepared by the Influenza Division

Key Updates for Week 44, ending November 4, 2023

Seasonal influenza activity is increasing in most parts of the country, most noticeably in the South Central, Southeast, and West Coast regions.

Viruses

Clinical Lab

3.0% (Trend ↑)

positive for influenza
this week

[\(/flu/weekly/index.htm#ClinicalLaboratories\)](/flu/weekly/index.htm#ClinicalLaboratories)

Public Health Lab

The most frequently reported influenza viruses this week were influenza A(H1N1).

[\(/flu/weekly/index.htm#PublicHealthLaboratories\)](/flu/weekly/index.htm#PublicHealthLaboratories)

Virus Characterization

Genetic and antigenic characterization are summarized in this report.

[\(/flu/weekly/index.htm#VirusCharacterization\)](/flu/weekly/index.htm#VirusCharacterization)

Illness

Outpatient Respiratory Illness

2.9% (Trend )

of visits to a health care provider this week were for respiratory illness
(at baseline).

[\(/flu/weekly/index.htm#ILINet\)](/flu/weekly/index.htm#ILINet)

Outpatient Respiratory Illness: Activity Map

This week 5 jurisdictions experienced moderate activity and 4 jurisdictions experienced high activity.

[\(/flu/weekly/index.htm#ORIAM\)](/flu/weekly/index.htm#ORIAM)

FluSurv-NET

1.2 per 100,000

cumulative hospitalization rate.

[\(/flu/weekly/index.htm#FluSurvNet\)](/flu/weekly/index.htm#FluSurvNet)


NHSN Hospitalizations

1,962 (Trend )

patients admitted to hospitals with influenza this week.

[\(/flu/weekly/index.htm#NHSN\)](/flu/weekly/index.htm#NHSN)

NCHS Mortality

0.09% (Trend )

of deaths attributed influenza this week.

[\(/flu/weekly/index.htm#NCHSMortality\)](/flu/weekly/index.htm#NCHSMortality)

Pediatric Deaths

1

death that occurred during the 2022-2023 season was reported this week.

[\(/flu/weekly/index.htm#PedMortality\)](/flu/weekly/index.htm#PedMortality)

All data are preliminary and may change as more reports are received.

Directional arrows indicate changes between the current week and the previous week. [Additional information](/flu/weekly/index.htm#Trends) [\(/flu/weekly/index.htm#Trends\)](/flu/weekly/index.htm#Trends) on the arrows can be found at the bottom of this page.

A description of the CDC influenza surveillance system, including methodology and detailed descriptions of each data component is available on the [surveillance methods](/flu/weekly/overview.htm) [\(/flu/weekly/overview.htm\)](/flu/weekly/overview.htm) page.

Additional information on the current and previous influenza seasons for each surveillance component are available on [FluView Interactive](/flu/weekly/fluviewinteractive.htm) [\(/flu/weekly/fluviewinteractive.htm\)](/flu/weekly/fluviewinteractive.htm).

Key Points

- Seasonal influenza activity is increasing in most parts of the country, most noticeably in the South Central, Southeast, and West Coast regions.
- Outpatient respiratory illness is at baseline¹ nationally and is at or above baseline in three HHS Regions. Region 9 (West Coast) is at its region-specific outpatient respiratory illness baseline and Regions 4 and 6 (Southeast and South Central) are above their baselines.
- The number of weekly flu hospital admissions is increasing.
- During week 44, of the 192 viruses reported by public health laboratories, 148 (77.1%) were influenza A and 44 (22.9%) were influenza B. Of the 106 influenza A viruses subtyped during week 44, 96 (90.6%) were influenza A(H1N1) and 10 (9.4%) were A(H3N2).
- CDC recommends that everyone 6 months and older get an annual flu vaccine.²
- CDC estimates that there have been at least 490,000 illnesses, 5,300 hospitalizations, and 330 deaths from flu so far this season.
- There also are prescription flu antiviral drugs that can be used to treat flu illness; those should be started as early as possible.³
- Influenza viruses are among several viruses that contribute to respiratory disease activity. CDC is providing updated, integrated information (<https://www.cdc.gov/respiratory-viruses/index.html>) about COVID-19, influenza, and RSV activity on a weekly basis.

U.S. Virologic Surveillance

(<https://www.cdc.gov/flu/weekly/overview.htm#LabSurveillance>)

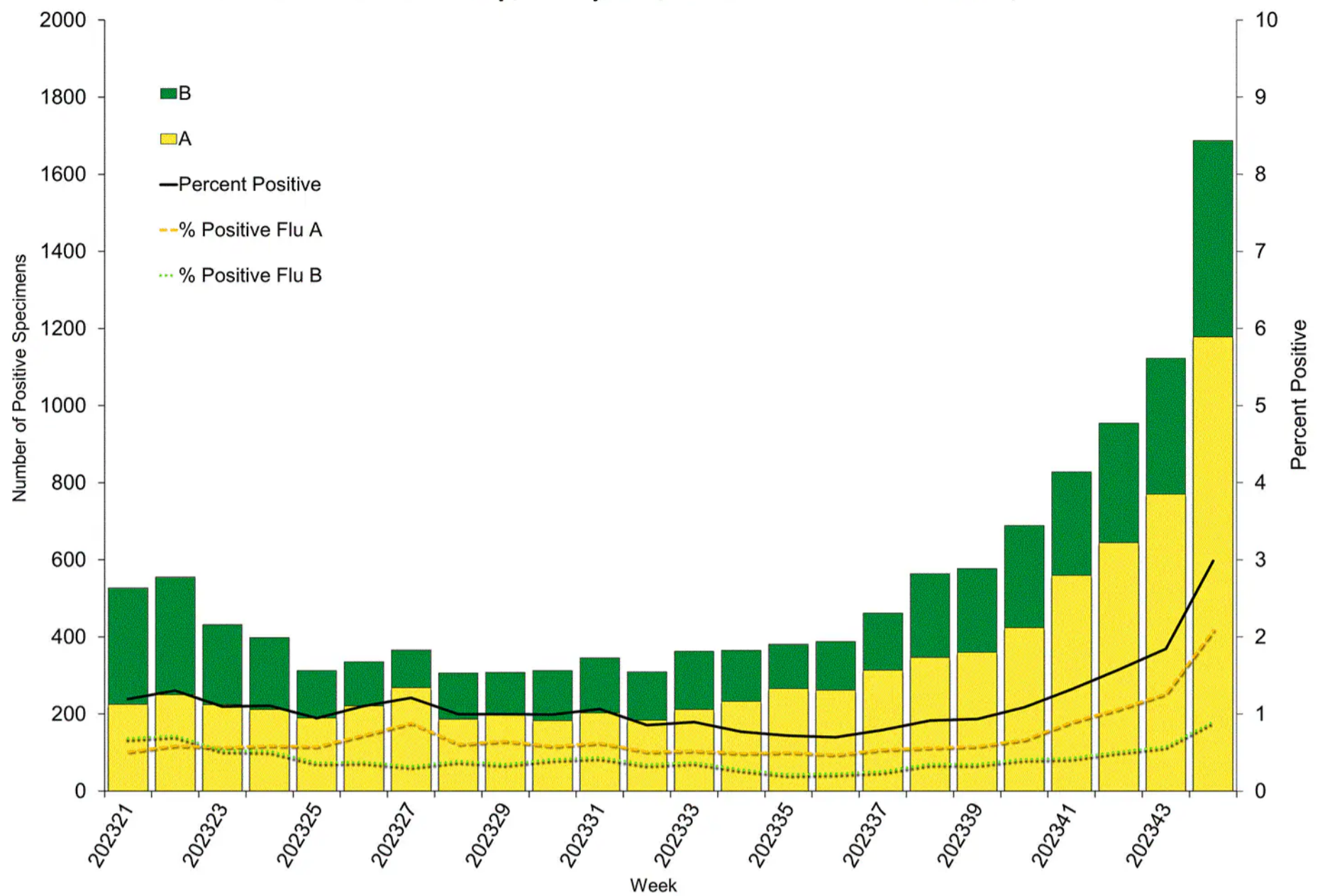
Nationally and in Regions 1, 4, 6, 8, and 10, the percentage of respiratory specimens testing positive for influenza in clinical laboratories increased (change of ≥ 0.5 percentage points) compared to the previous week. In Regions 2, 3, 5, 7, and 9, the percentage remained stable compared to the previous week but is trending upwards. The regions with the highest percent positivity are Regions 6 and 8 (4.8%), Region 9 (4.7%), and Region 4 (4.0%). For regional and state level data and age group distribution, please visit [FluView Interactive](https://gis.cdc.gov/grasp/fluview/fluportaldashboard.html) (<https://gis.cdc.gov/grasp/fluview/fluportaldashboard.html>). Viruses known to be associated with recent receipt of live attenuated influenza vaccine (LAIV) or found upon further testing to be a vaccine virus are not included, as they are not circulating influenza viruses.

Clinical Laboratories

The results of tests performed by clinical laboratories nationwide are summarized below. Data from clinical laboratories (the percentage of specimens tested that are positive for influenza virus) are used to monitor whether influenza activity is increasing or decreasing.

	Week 44	Data Cumulative since October 1, 2023 (Week 40)
No. of specimens tested	56,471	303,831
No. of positive specimens (%)	1,687 (3.0%)	5,280 (1.7%)
<i>Positive specimens by type</i>		
Influenza A	1,178 (69.8%)	3,577 (67.7%)
Influenza B	509 (30.2%)	1,703 (32.3%)

Influenza Positive Tests Reported to CDC by U.S. Clinical Laboratories, National Summary, May 21, 2023 – November 4, 2023



<http://gis.cdc.gov/grasp/fluview/fluportaldashboard.html>

[View Chart Data \(/flu/weekly/weeklyarchives2023-2024/data/whoAllregt_cl44.html\)](/flu/weekly/weeklyarchives2023-2024/data/whoAllregt_cl44.html) | [View Full Screen \(/flu/weekly/WeeklyArchives2023-2024/WHONPHL44.html\)](/flu/weekly/WeeklyArchives2023-2024/WHONPHL44.html)

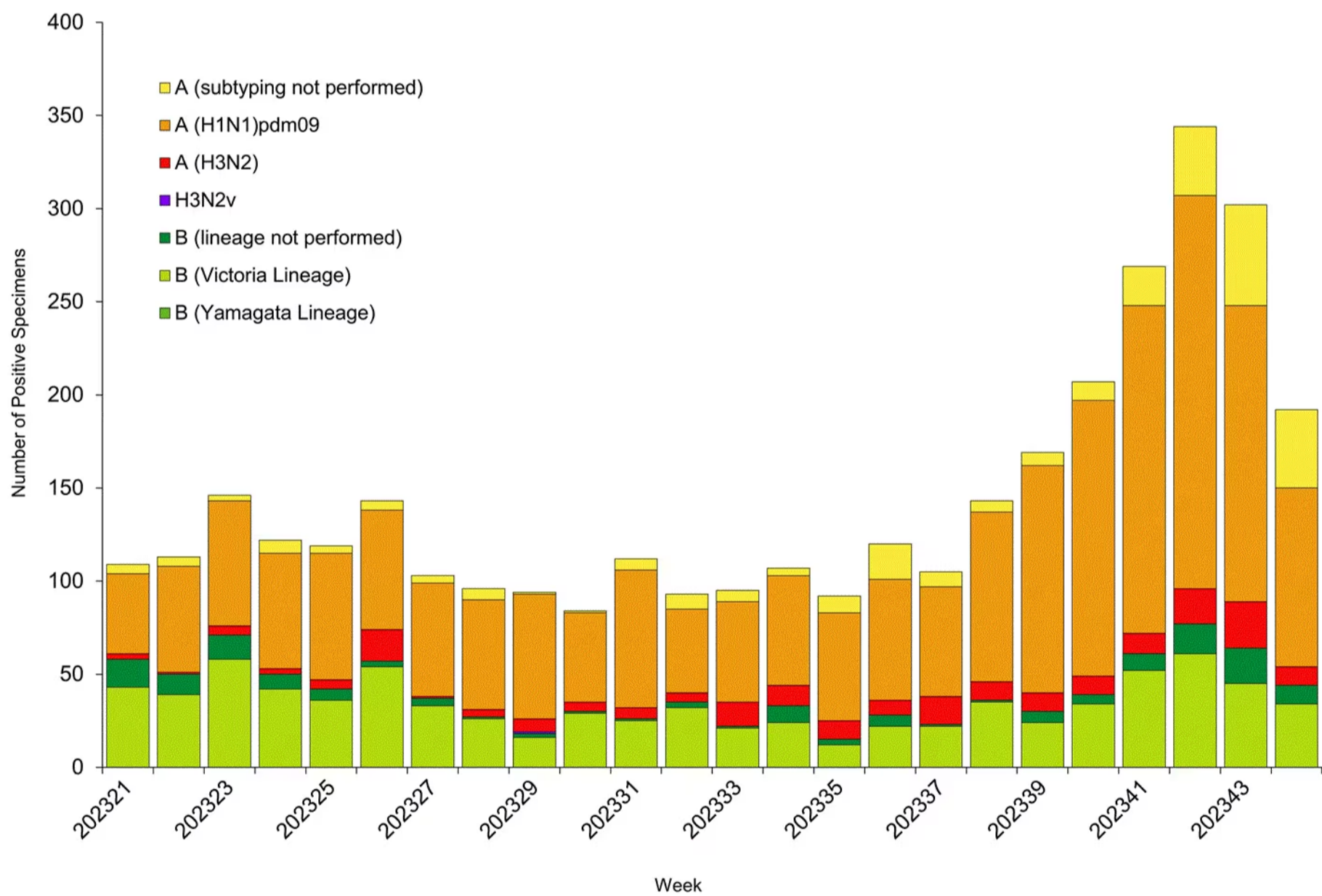
Public Health Laboratories

The results of tests performed by public health laboratories nationwide are summarized below. Data from public health laboratories are used to monitor the proportion of circulating influenza viruses that belong to each influenza subtype/lineage.

	Week 44	Data Cumulative since October 1, 2023 (Week 40)
No. of specimens tested	2,343	13,732
No. of positive specimens	192	1,314
<i>Positive specimens by type/subtype</i>		
Influenza A	148 (77.1%)	1,029 (78.3%)
Subtyping Performed	106 (71.6%)	865 (84.1%)
(H1N1)pdm09	96 (90.6%)	790 (91.3%)
H3N2	10 (9.4%)	75 (8.7%)
H3N2v	0 (0%)	0 (0%)

	Week 44	Data Cumulative since October 1, 2023 (Week 40)
Subtyping not performed	42 (28.4%)	164 (15.9%)
Influenza B	44 (22.9%)	285 (21.7%)
Lineage testing performed	34 (77.3%)	226 (79.3%)
Yamagata lineage	0 (0%)	0 (0%)
Victoria lineage	34 (100%)	226 (100%)
Lineage not performed	10 (22.7%)	59 (20.7%)

Influenza Positive Tests Reported to CDC by U.S. Public Health Laboratories, National Summary, May 21, 2023 – November 4, 2023



<http://gis.cdc.gov/grasp/fluview/fluportaldashboard.html>

[View Chart Data \(/flu/weekly/weeklyarchives2023-2024/data/whoAllregt_phl44.html\)](/flu/weekly/weeklyarchives2023-2024/data/whoAllregt_phl44.html) | [View Full Screen \(/flu/weekly/weeklyarchives2023-2024/WhoPHL44.html\)](/flu/weekly/weeklyarchives2023-2024/WhoPHL44.html)

Additional virologic surveillance information for current and past seasons:

[Surveillance Methods \(/flu/weekly/overview.htm#LabSurveillance\)](/flu/weekly/overview.htm#LabSurveillance) | [FluView Interactive: National, Regional, and State Data \(http://gis.cdc.gov/grasp/fluview/fluportaldashboard.html\)](#) or [Age Data \(https://gis.cdc.gov/grasp/fluview/flu_by_age_virus.html\)](https://gis.cdc.gov/grasp/fluview/flu_by_age_virus.html)

Influenza Virus Characterization

[\(/flu/weekly/overview.htm#VirusCharacterization\)](/flu/weekly/overview.htm#VirusCharacterization)

CDC performs [genetic](https://www.cdc.gov/flu/about/professionals/genetic-characterization.htm) and [antigenic](https://www.cdc.gov/flu/about/professionals/antigenic.htm) characterization of viruses submitted by U.S. state and local public health laboratories according to the Right Size Roadmap submission guidance. These data are used to compare how similar the currently circulating influenza viruses are to the reference viruses representing viruses contained in current influenza vaccines. The data are also used to monitor evolutionary changes that continually occur in influenza viruses circulating in humans. CDC also tests susceptibility of circulating influenza viruses to influenza antiviral medications including the neuraminidase inhibitors (oseltamivir, zanamivir, and peramivir) and the PA endonuclease inhibitor baloxavir.

CDC has genetically characterized 567 influenza viruses collected since May 1, 2023.

Virus Subtype or Lineage	Genetic Characterization				
	Total No. of Subtype/Lineage Tested	HA Clade	Number (% of subtype/lineage tested)	HA Subclade	Number (% of subtype/lineage tested)
A/H1	297				
		6B.1A.5a	297 (100%)	2a	90 (30.3%)
				2a.1	207 (69.7%)
A/H3	41				
		3C.2a1b.2a	41 (100%)	2a.3a	4 (9.8%)
				2a.3a.1	36 (87.8%)
			2b	1 (2.4%)	
B/Victoria	229				
		V1A	229 (100%)	3a.2	229 (100%)
B/Yamagata	0				
		Y3	0	Y3	0 (0%)

CDC [antigenically characterizes](https://www.cdc.gov/flu/about/professionals/antigenic.htm) influenza viruses by [hemagglutination inhibition \(HI\)](http://www.cdc.gov/flu/professionals/laboratory/antigenic.htm) (H1N1pdm09, H3N2, B/Victoria, and B/Yamagata viruses) or neutralization-based [HINT](https://www.cdc.gov/flu/spotlights/2018-2019/new-lab-method-test-flu.html) (H3N2 viruses) using antisera that ferrets make after being infected with reference viruses representing the 2023-2024 Northern Hemisphere recommended cell or recombinant-based vaccine viruses. Antigenic differences between viruses are determined by comparing how well the antibodies made against the vaccine reference viruses recognize the circulating viruses that have been grown in cell culture. Ferret antisera are useful because antibodies raised against a particular virus can often recognize small changes in the surface proteins of other viruses. In HI assays, viruses with similar antigenic properties have antibody titer differences of less than or equal to 4-fold when compared to the reference (vaccine) virus. In HINT, viruses with similar antigenic properties have antibody neutralization titer differences of less than or equal to 8-fold. Viruses selected for antigenic characterization are a subset representing the genetic changes in the surface proteins seen in genetically characterized viruses.

Influenza A Viruses

- **A (H1N1)pdm09:** One hundred and nine A(H1N1)pdm09 viruses were antigenically characterized by HI, and all were well-recognized (reacting at titers that were within 4-fold of the homologous virus titer) by ferret antisera to cell-grown

A/Wisconsin/67/2022-like reference viruses representing the A(H1N1)pdm09 component for the cell- and recombinant-based influenza vaccines.

- **A (H3N2):** Twenty-two A(H3N2) viruses were antigenically characterized by HI or HINT, and all were well-recognized (reacting at titers that were within 4-fold of the homologous virus) by ferret antisera to cell-grown A/Darwin/6/2021-like reference viruses representing the A(H3N2) component for the cell- and recombinant-based influenza vaccines.

Influenza B Viruses

- **B/Victoria:** Sixty influenza B/Victoria-lineage viruses were antigenically characterized by HI, and all were well-recognized (reacting at titers that were within 4-fold of the homologous virus titer) by ferret antisera to cell-grown B/Austria/1359417/2021-like reference viruses representing the B/Victoria component for the cell- and recombinant-based influenza vaccines.
- **B/Yamagata:** No influenza B/Yamagata-lineage viruses were available for antigenic characterization.

Antiviral susceptibility data will be reported later this season, when a sufficient number of viruses has been tested.

Outpatient Respiratory Illness Surveillance

(<https://www.cdc.gov/flu/weekly/overview.htm#ILINet>)

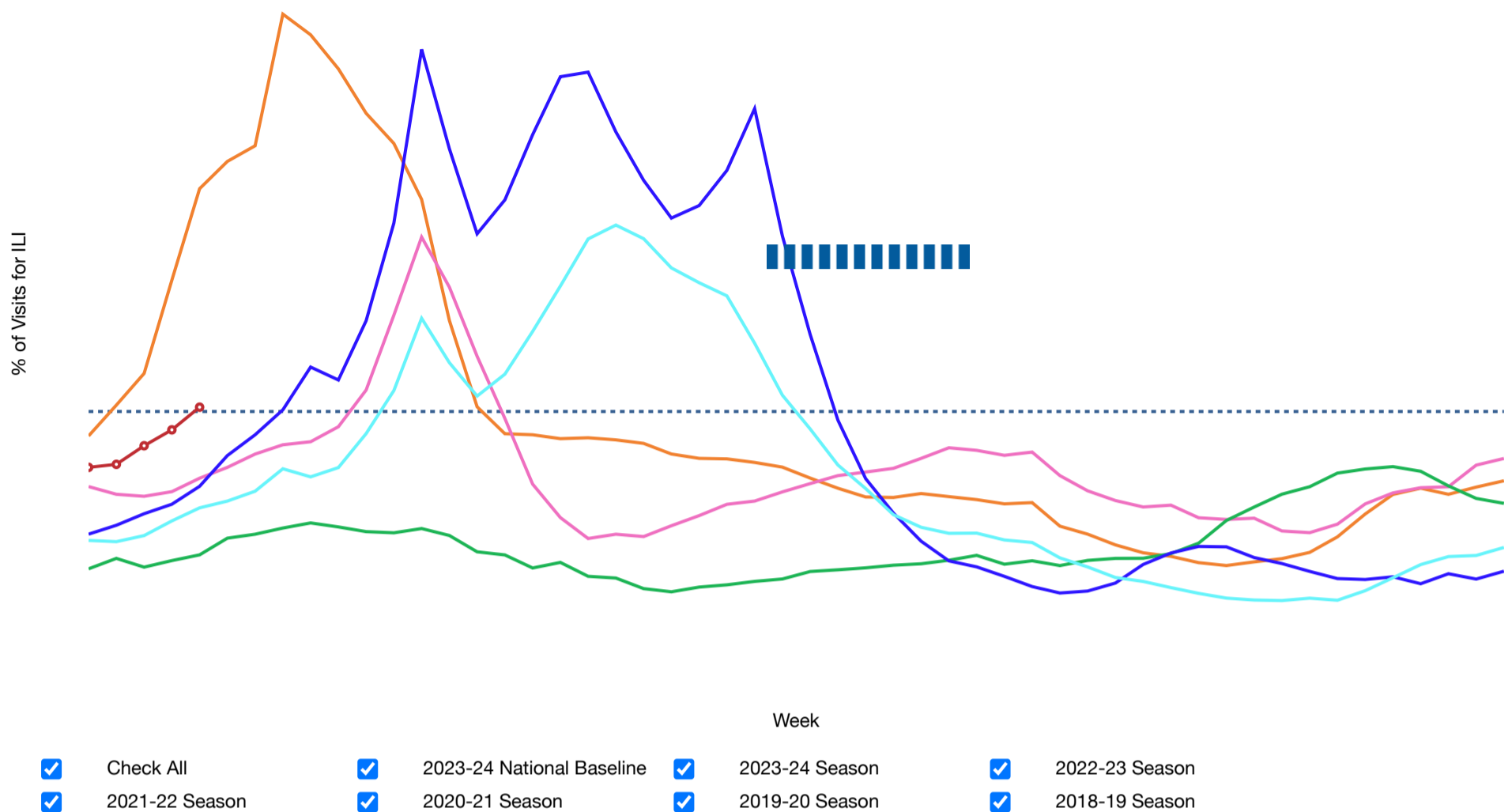
The U.S. Outpatient Influenza-like Illness Surveillance Network (ILINet) monitors outpatient visits for respiratory illness referred to as influenza-like illness [ILI (fever plus cough or sore throat)], not laboratory-confirmed influenza, and will therefore capture respiratory illness visits due to infection with pathogens that can present with similar symptoms, including influenza viruses, SARS-CoV-2, and RSV. It is important to evaluate syndromic surveillance data, including that from ILINet, in the context of other sources of surveillance data to obtain a more complete and accurate picture of influenza, SARS-CoV-2, and other respiratory virus activity. CDC is providing integrated information about COVID-19, influenza and RSV activity on a [website](https://www.cdc.gov/respiratory-viruses/index.html) (<https://www.cdc.gov/respiratory-viruses/index.html>) that is updated weekly. Information about other respiratory virus activity can be found on [CDC's National Respiratory and Enteric Virus Surveillance System \(NREVSS\) website](https://www.cdc.gov/surveillance/nrevss/index.html) (<https://www.cdc.gov/surveillance/nrevss/index.html>).

Outpatient Respiratory Illness Visits

Nationwide during week 44, 2.9% of patient visits reported through ILINet were due to respiratory illness that included fever plus a cough or sore throat, also referred to as ILI. This has increased (change of > 0.1 percentage points) compared to week 43 and is at the national baseline of 2.9%. ILI activity is trending upward in 8 of the 10 HHS Regions (Regions 1-6, 8-9). Two regions are above their region-specific baselines [Region 4 (the Southeast) and Region 6 (South Central)] and one region is at their region-specific baseline [Region 9 (West Coast)]. Multiple respiratory viruses are co-circulating, and the relative contribution of influenza virus infection to ILI varies by location.

Season: 2023-24 and 5 previous seasons ▾

Percentage of Outpatient Visits for Respiratory Illness Reported by The U.S. Outpatient Influenza-like Illness Surveillance Network (ILINet), Weekly National Summary, 2023-24 Season and Selected Previous Seasons



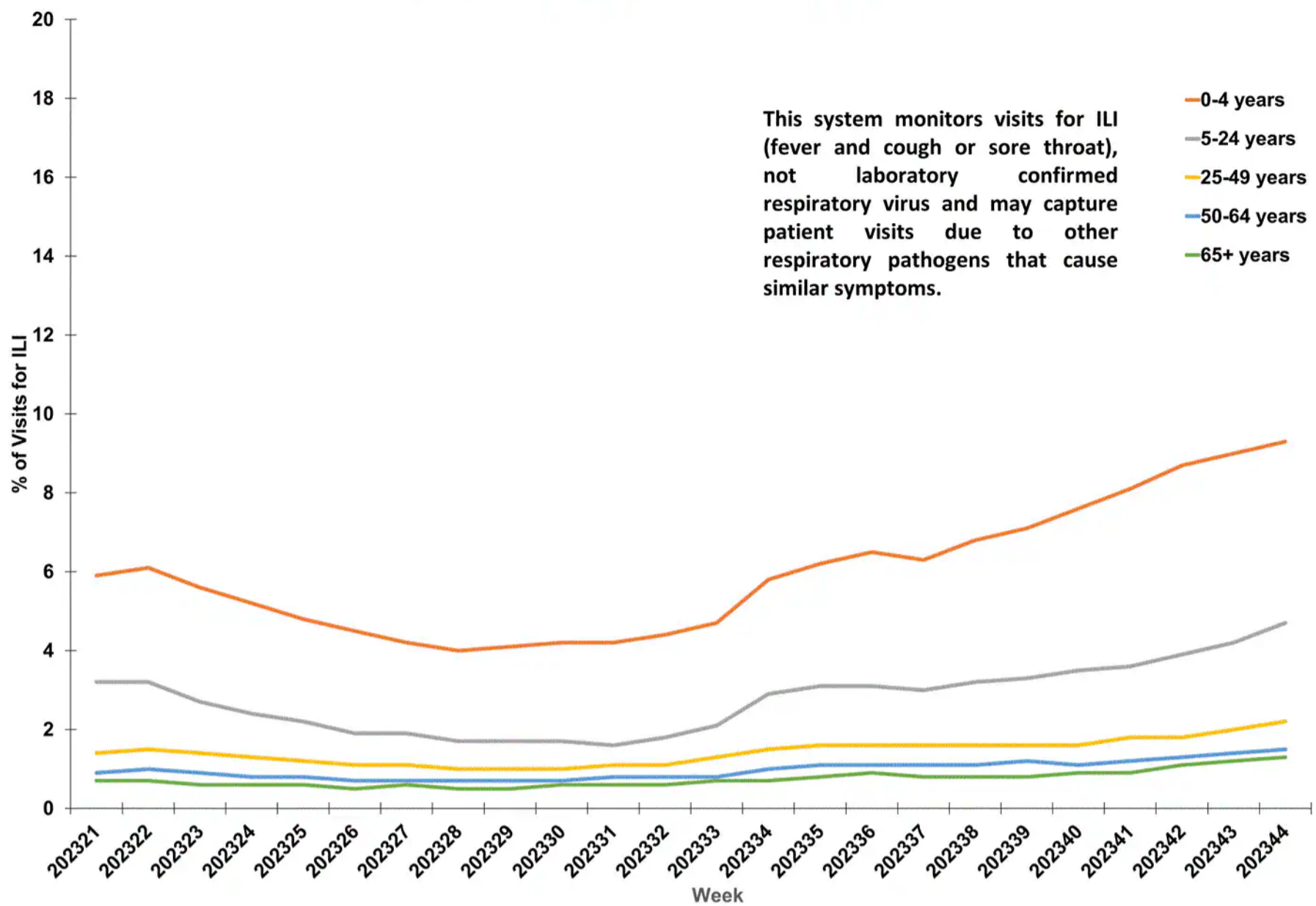
View National and Regional Level Graphs and Data (<https://gis.cdc.gov/grasp/fluview/fluportaldashboard.html>) | Download Chart Data | Download PowerPoint Presentation

Outpatient Respiratory Illness Visits by Age Group

About 70% of ILINet participants provide both the number of patient visits for respiratory illness and the total number of patient visits for the week broken out by age group. Data from this subset of providers are used to calculate the percentages of patient visits for respiratory illness by age group.

The percentage of visits for respiratory illness reported in ILINet is trending upward in all age groups.

**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, May 21, 2023–November 4, 2023**



(<http://gis.cdc.gov/grasp/fluview/fluportaldashboard.html>)

[View Chart Data \(/flu/weekly/weeklyarchives2023-2024/data/iliage44.html\)](/flu/weekly/weeklyarchives2023-2024/data/iliage44.html) | [View Full Screen \(/flu/weekly/weeklyarchives2023-2024/ILIAge44.html\)](/flu/weekly/weeklyarchives2023-2024/ILIAge44.html)

Outpatient Respiratory Illness Activity Map

Data collected in ILINet are used to produce a measure of ILI activity* (</flu/weekly/overview.htm#ILINet>) by state/jurisdiction and Core Based Statistical Areas (CBSA).

Activity Level	Number of Jurisdictions		Number of CBSAs	
	Week 44 (Week ending Nov. 4, 2023)	Week 43 (Week ending Oct. 28, 2023)	Week 44 (Week ending Nov. 4, 2023)	Week 43 (Week ending Oct. 28, 2023)
Very High	0	0	1	1
High	4	2	28	18
Moderate	5	6	36	35
Low	10	8	105	78
Minimal	36	39	528	575
Insufficient Data	0	0	231	222

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.

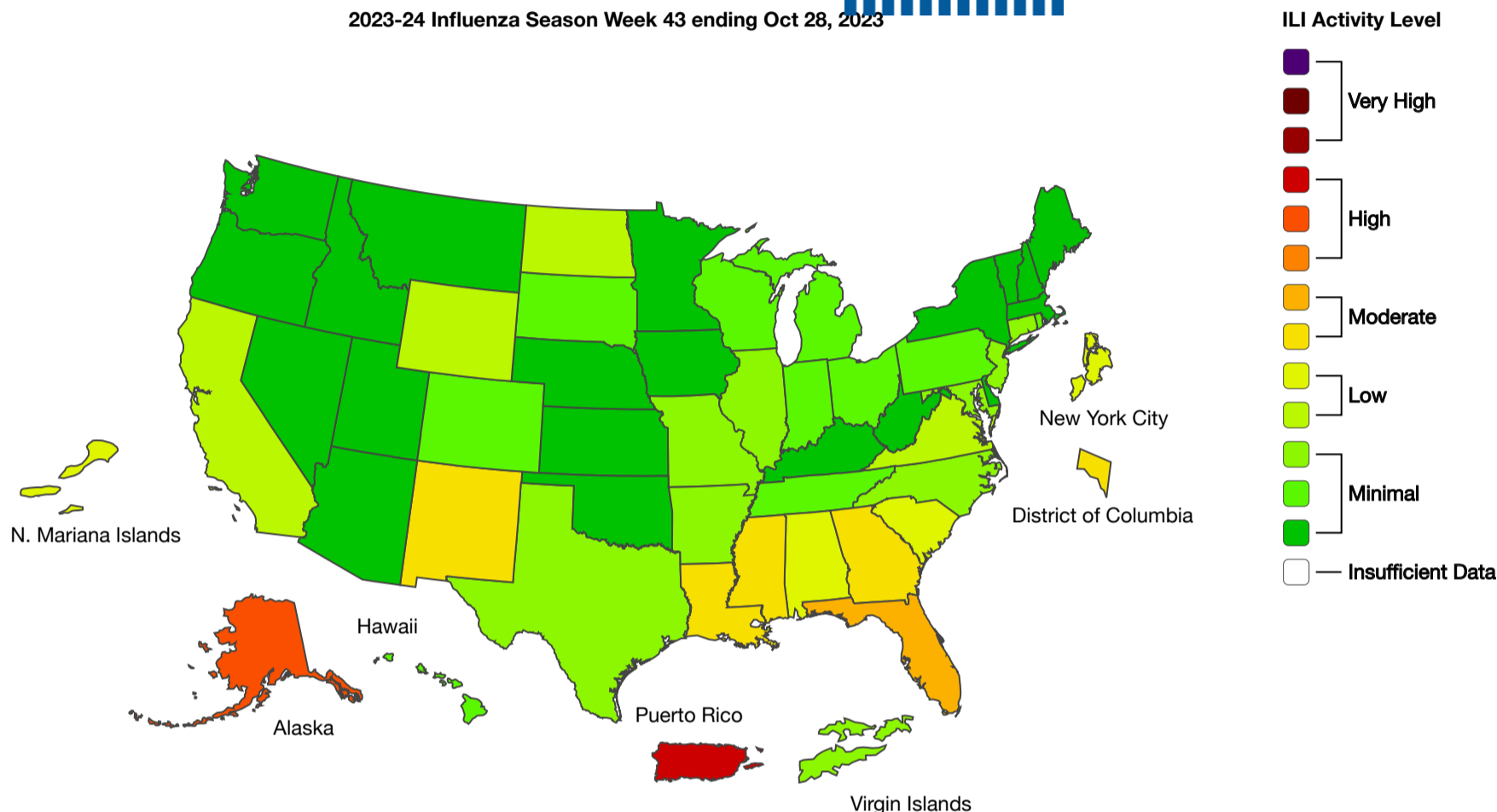
prev Play Pause next

40

41

State CBSA

2023-24 Influenza Season Week 43 ending Oct 28, 2023



Season: 2023-24 ▲

Download Image

Download Data

(<https://www.cdc.gov/flu/weekly/flureport.xml>)View Full Screen (<http://gis.cdc.gov/grasp/fluview/main.html>)

*Data collected in ILINet may disproportionately represent certain populations within a jurisdiction or CBSA, and therefore, may not accurately depict the full picture of influenza activity for the entire jurisdiction or CBSA. Differences in the data presented here by CDC and independently by some health departments likely represent differing levels of data completeness with data presented by the health department likely being the more complete.

Additional information about medically attended visits for ILI for current and past seasons:

[Surveillance Methods \(/flu/weekly/overview.htm#ILINet\)](#) | [FluView Interactive: National, Regional, and State Data](#)

(<http://gis.cdc.gov/grasp/fluview/fluportaldashboard.html>) or [ILI Activity Map \(https://gis.cdc.gov/grasp/fluview/main.html\)](https://gis.cdc.gov/grasp/fluview/main.html)

Hospitalization Surveillance

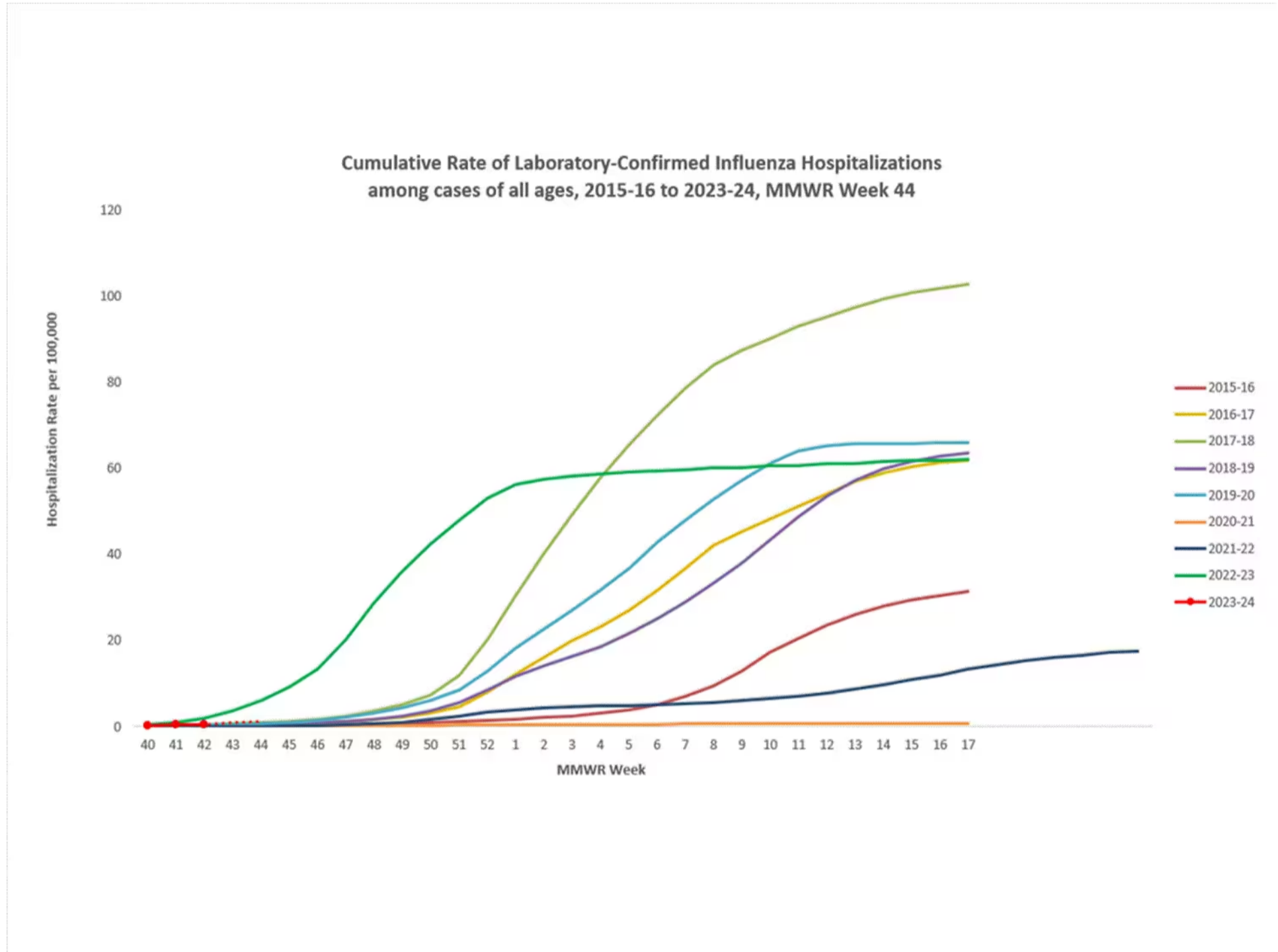
(<http://www.cdc.gov/flu/weekly/overview.htm#HospitalizationSurv>)

FluSurv-NET

The Influenza Hospitalization Surveillance Network (FluSurv-NET) conducts population-based surveillance for laboratory-confirmed influenza-related hospitalizations in selected counties in 14 states and represents approximately 9% of the U.S. population. FluSurv-NET hospitalization data are preliminary. As data are received each week, prior case counts and rates are updated accordingly.

A total of 354 laboratory-confirmed influenza-associated hospitalizations were reported by FluSurv-NET sites between October 1, 2023, and November 4, 2023. The weekly hospitalization rate observed in week 44 was 0.3 per 100,000 population. The overall cumulative hospitalization rate for the season was 1.2 per 100,000 population. This cumulative hospitalization rate is the second highest cumulative in-season hospitalization rate observed in week 44, following the 2022-2023 season (5.0). Cumulative in-season hospitalization rates observed in week 44 from 2010-2011 through 2021-2022 ranged from 0.1 to 0.7.

When examining rates by age, the highest cumulative rate of hospitalization per 100,000 population was among adults aged 65 and older (3.0). Among persons aged <65 years, cumulative hospitalization rates per 100,000 population were highest among children aged 0-4 years (1.7) followed by adults aged 50-64 years (1.4).

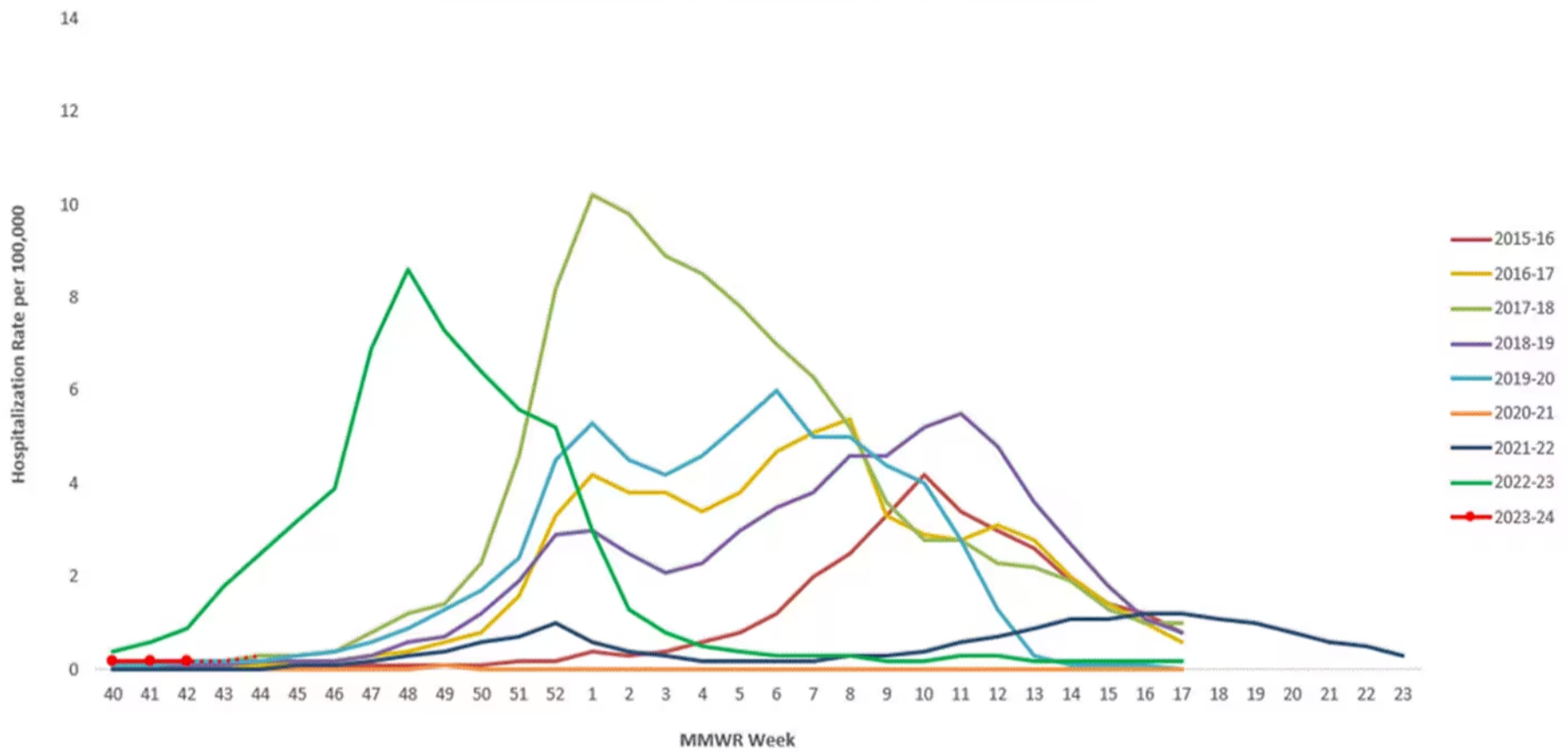


<https://gis.cdc.gov/grasp/fluview/FluHospRates.html>

[View Full Screen \(/flu/weekly/weeklyarchives2023-2024/EIPRates44.html\)](/flu/weekly/weeklyarchives2023-2024/EIPRates44.html)

In this figure, cumulative rates for all seasons prior to the 2023-2024 season reflect end-of-season rates. For the 2023-2024 season, rates for recent hospital admissions are subject to reporting delays. As hospitalization data are reviewed each week, prior case counts and rates are updated accordingly.

Weekly Rate of Laboratory-Confirmed Influenza Hospitalizations among cases of all ages, 2015-16 to 2023-24, MMWR Week 44



(<https://gis.cdc.gov/grasp/fluview/FluHospChars.html>)

[View Full Screen \(/flu/weekly/weeklyarchives2023-2024/EIPConditions44.html\)](/flu/weekly/weeklyarchives2023-2024/EIPConditions44.html)

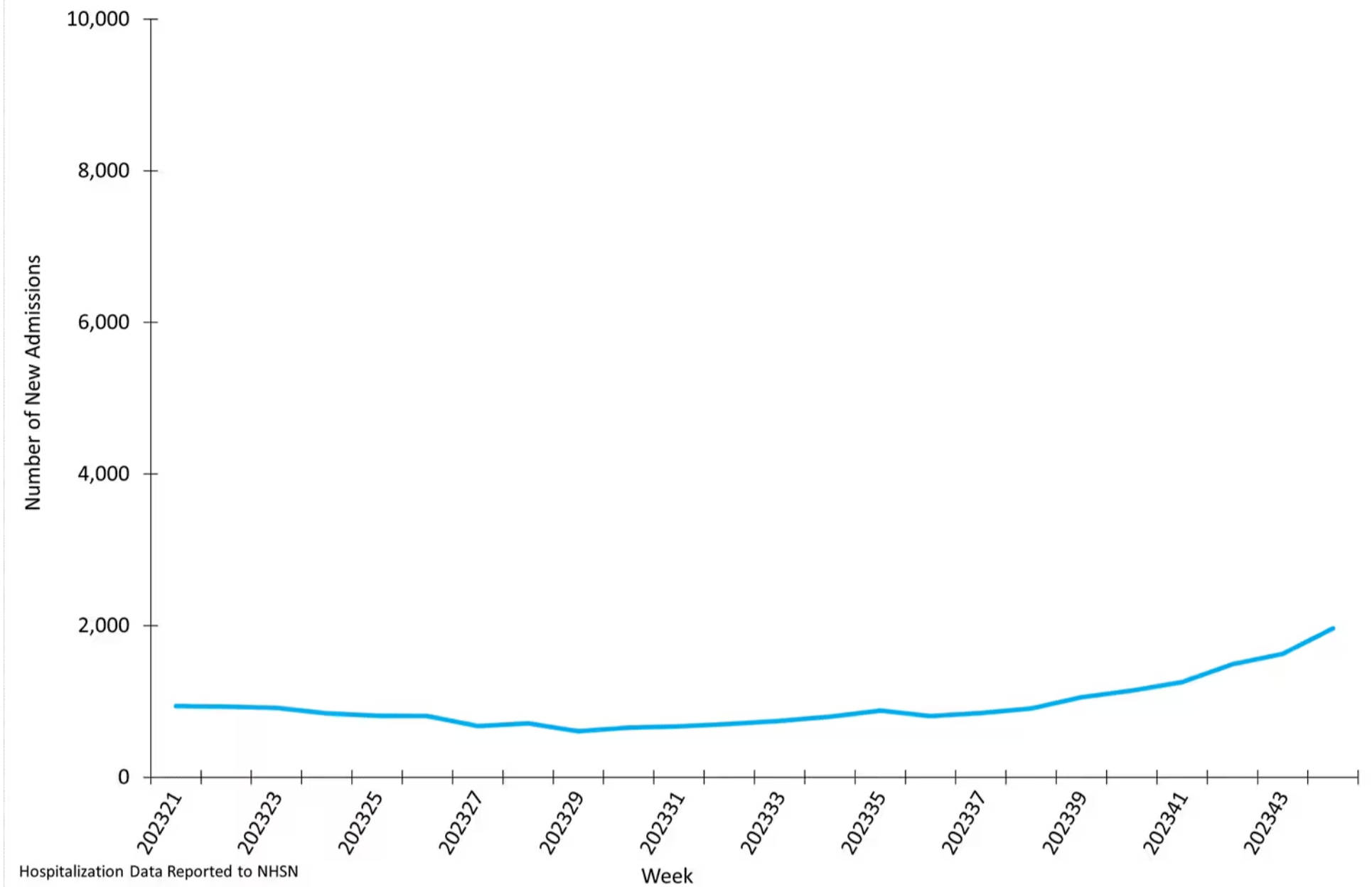
In this figure, weekly rates for all seasons prior to the 2023-24 season reflect end-of-season rates. For the 2023-24 season, rates for recent hospital admissions are subject to reporting delays and are shown as a dashed line for the current season. As hospitalization data are received each week, prior case counts and rates are updated accordingly.

Additional FluSurv-NET hospitalization surveillance information for current and past seasons and additional age groups:
[Surveillance Methods \(https://www.cdc.gov/flu/weekly/overview.htm#FluSurvNet\)](https://www.cdc.gov/flu/weekly/overview.htm#FluSurvNet) | [FluView Interactive: Rates by Age, Sex, and Race/Ethnicity \(http://gis.cdc.gov/GRASP/Fluview/FluHospRates.html\)](http://gis.cdc.gov/GRASP/Fluview/FluHospRates.html) or [Data on Patient Characteristics \(http://gis.cdc.gov/grasp/fluview/FluHospChars.html\)](http://gis.cdc.gov/grasp/fluview/FluHospChars.html) | [RESP-NET Interactive \(https://www.cdc.gov/surveillance/resp-net/dashboard.html\)](https://www.cdc.gov/surveillance/resp-net/dashboard.html)

National Healthcare Safety Network (NHSN) Hospitalization Surveillance

Hospitals report to NHSN the number of patients admitted with laboratory-confirmed influenza. During week 44, 1,962 patients with laboratory-confirmed influenza were admitted to a hospital. The number of patients admitted to a hospital with laboratory-confirmed influenza for week 44 slightly increased compared to week 43 (change of >5%) nationally and in Regions 1, 4, 5, 6, 7, 8, 9, and 10. All other regions remained stable or decreased.

New Influenza Hospital Admissions Reported to NHSN, National Summary, May 21, 2022 – November 4, 2023



</flu/weekly/weeklyarchives2023-2024/Protect44.html>) View Chart Data  (</flu/weekly/weeklyarchives2023-2024/data/NHSNData44.csv>) | View Full Screen (</flu/weekly/weeklyarchives2023-2024/Protect44.html>)

Additional NHSN Hospitalization Surveillance information:

Surveillance Methods (<https://www.cdc.gov/flu/weekly/overview.htm#NHSN>) | Additional Data (<https://data.cdc.gov/Public-Health-Surveillance/Respiratory-Virus-Response-RVR-United-States-Hospi/9t9r-e5a3>) | FluView Interactive (<http://gis.cdc.gov/grasp/fluview/FluView12.html>)

Mortality Surveillance

<https://www.cdc.gov/flu/weekly/overview.htm#MortalitySurveillance>)

National Center for Health Statistics (NCHS) Mortality Surveillance

Based on NCHS mortality surveillance data available on November 9, 2023, 0.09% of the deaths that occurred during the week ending November 4, 2023 (week 44), were due to influenza. This percentage remained stable (≤ 0.1 percentage point change) compared to week 43. The data presented are preliminary and may change as more data are received and processed.

The percentages of deaths due to pneumonia and influenza (P&I) and due to pneumonia, influenza, or COVID-19 (PIC) will no longer be displayed in FluView but are available in [FluView Interactive](https://gis.cdc.gov/grasp/fluview/mortality.html) (<https://gis.cdc.gov/grasp/fluview/mortality.html>).

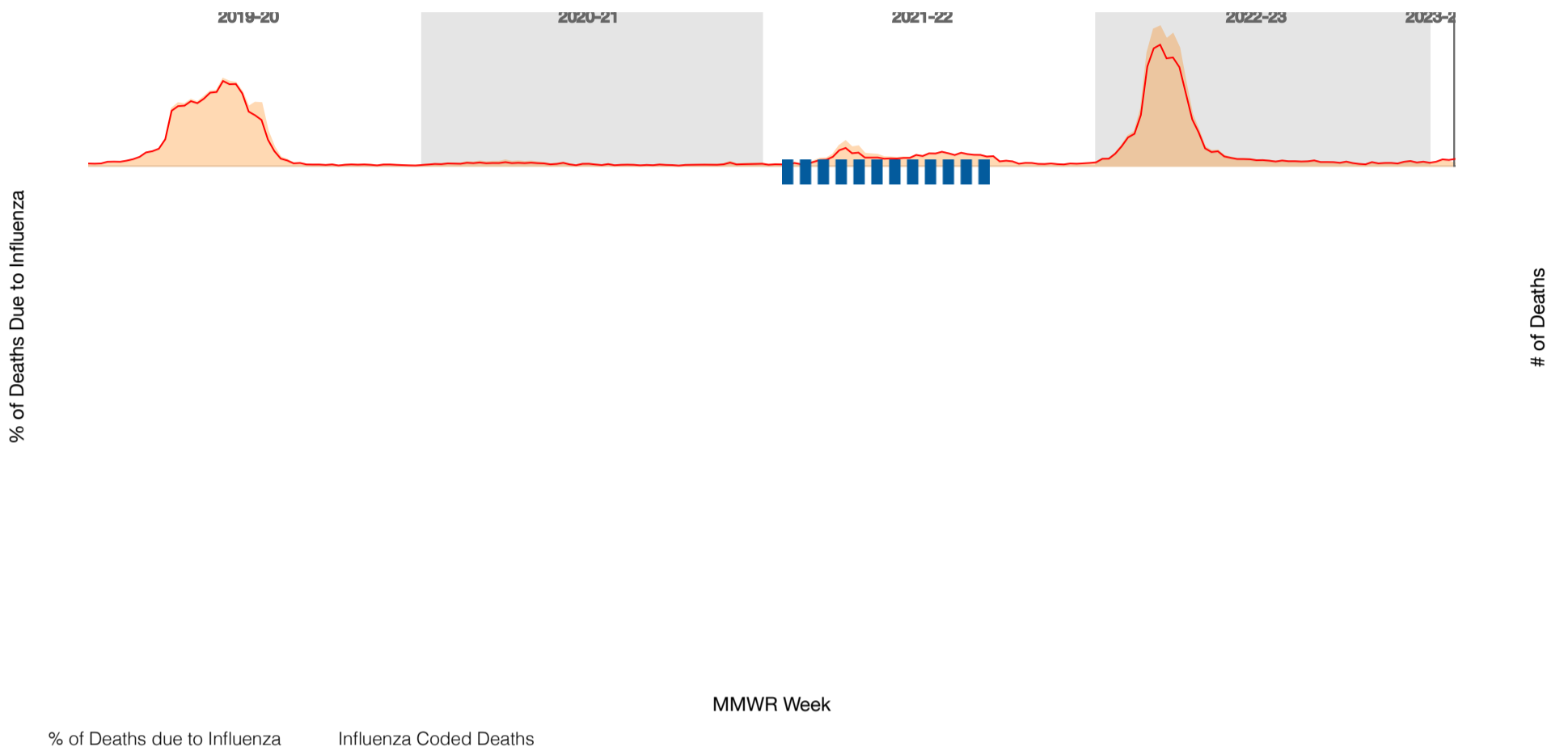
Season: 2023-24 Surveillance Area: National Age: All

Pneumonia and Influenza Mortality from the National Center for Health Statistics Mortality Surveillance System

National Summary data through the week ending November 4, 2023

2019-24

Show Number of Influenza Deaths



View Regional and State Level Data (<https://gis.cdc.gov/grasp/fluview/Mortality.html>) | Download Chart Data | Download PowerPoint Presentation

Additional pneumonia, influenza and COVID-19 mortality surveillance information for current and past seasons:

[Surveillance Methods \(https://www.cdc.gov/flu/weekly/overview.htm#NCHSMortality\)](https://www.cdc.gov/flu/weekly/overview.htm#NCHSMortality) | [FluView Interactive \(https://gis.cdc.gov/grasp/fluview/mortality.html\)](https://gis.cdc.gov/grasp/fluview/mortality.html)

Influenza-Associated Pediatric Mortality

One influenza-associated pediatric death occurring during the 2023-2024 season has been reported to CDC.

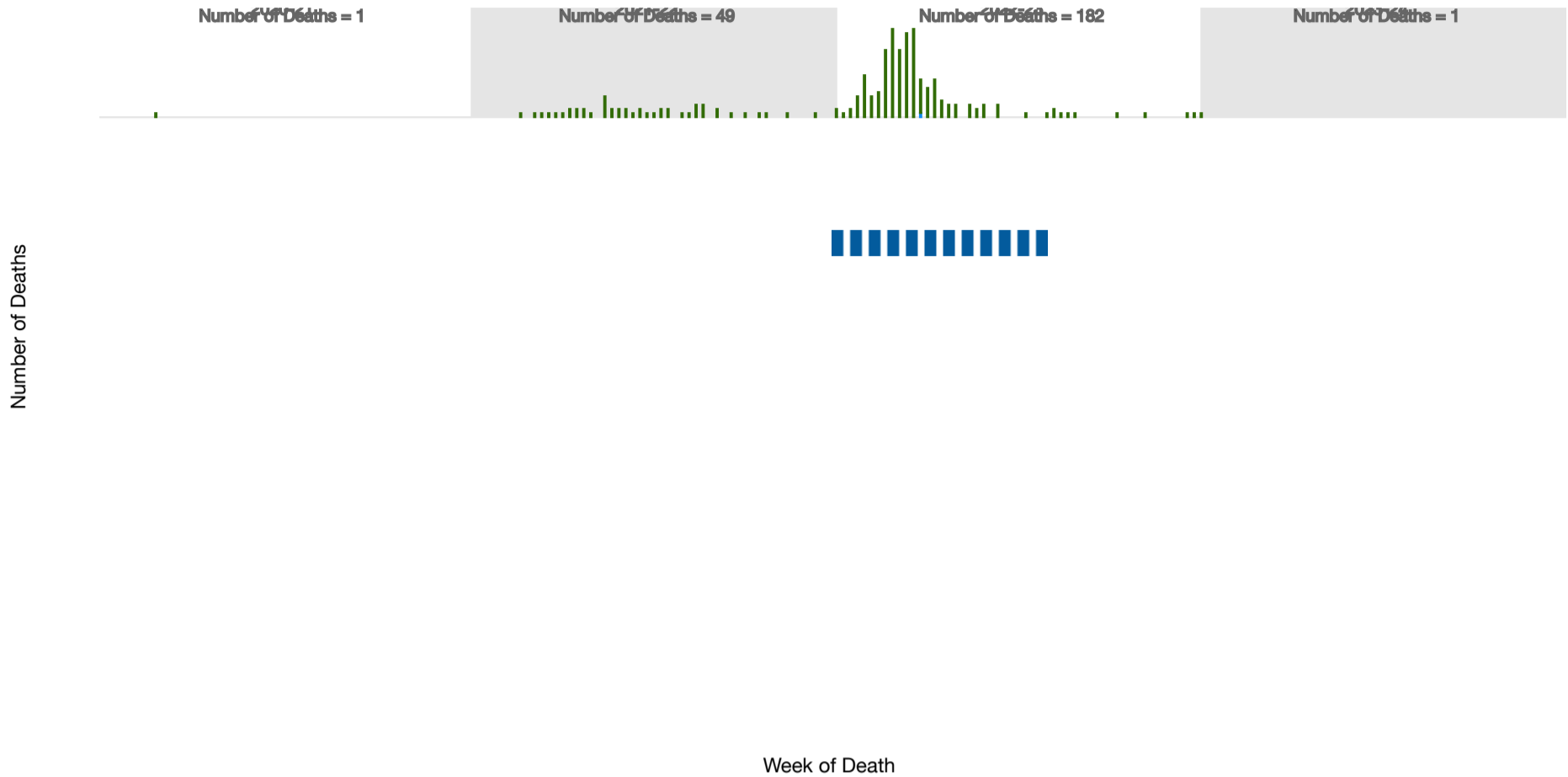
One influenza-associated pediatric death occurring during the 2022-2023 season was reported to CDC during week 44. The death was associated with an influenza A(H1N1)pdm09 virus and occurred during week 52 (the week ending December 31, 2022). A total of 182 influenza-associated pediatric deaths that occurred during the 2022-2023 season have been reported to CDC.

Influenza-Associated Pediatric Deaths by Week of Death, 2020-21 season to 2023-24 season

Select up to 4 Seasons ▾

Group By Reported Virus Type

By Week Current Week Previous Weeks All Deaths



[View FluView Interactive \(https://gis.cdc.gov/grasp/fluview/PedFluDeath.html\)](https://gis.cdc.gov/grasp/fluview/PedFluDeath.html) | [Download Chart Data](#) | [Download PowerPoint Presentation](#)

Additional pediatric mortality surveillance information for current and past seasons:

[Surveillance Methods \(https://www.cdc.gov/flu/weekly/overview.htm#PediatricMortality\)](https://www.cdc.gov/flu/weekly/overview.htm#PediatricMortality) | [FluView Interactive \(https://gis.cdc.gov/GRASP/Fluview/PedFluDeath.html\)](https://gis.cdc.gov/GRASP/Fluview/PedFluDeath.html)

Trend Indicators

Increasing: ↑

Decreasing: ↓

Stable: →

Indicators Status by System

Clinical Labs: Up or down arrows indicate a change of greater than or equal to 0.5 percentage points in the percent of specimens positive for influenza compared to the previous week.


Outpatient Respiratory Illness (ILINet): Up or down arrows indicate a change of greater than 0.1 percentage points in the percent of visits due to respiratory illness (ILI) compared to the previous week.

NHSN Hospitalizations: Up or down arrows indicate change of greater than or equal to 5% of the number of patients admitted with laboratory-confirmed influenza compared to the previous week.

NCHS Mortality: Up or down arrows indicate change of greater than 0.1 percentage points of the percent of deaths due to influenza compared to the previous week.

Reference Footnotes

¹U.S. Influenza Surveillance: Purpose and Methods (2023 Oct). Centers for Disease Control and Prevention. <https://www.cdc.gov/flu/weekly/overview.htm#ILINet> (<https://www.cdc.gov/flu/weekly/overview.htm#ILINet>).

²Grohskopf LA, Blanton LH, Ferdinands JM, Chung JR, Broder KR, Talbot HK. Prevention and Control of Seasonal Influenza with Vaccines: Recommendations of the Advisory Committee on Immunization Practices — United States, 2023–24 Influenza Season. *MMWR Recomm Rep* 2023;72(No. RR-2):1–25. DOI: <http://dx.doi.org/10.15585/mmwr.rr7202a1> 
(<http://dx.doi.org/10.15585/mmwr.rr7202a1>)

³Influenza Antiviral Medications: Summary for Clinicians (2023 Sept). Centers for Disease Control and Prevention. <https://www.cdc.gov/flu/professionals/antivirals/summary-clinicians.htm> (<https://www.cdc.gov/flu/professionals/antivirals/summary-clinicians.htm>).

Additional National and International Influenza Surveillance Information

FluView Interactive: FluView includes enhanced web-based interactive applications that can provide dynamic visuals of the influenza data collected and analyzed by CDC. These [FluView Interactive applications](http://www.cdc.gov/flu/weekly/fluviewinteractive.htm) (<http://www.cdc.gov/flu/weekly/fluviewinteractive.htm>) allow people to create customized, visual interpretations of influenza data, as well as make comparisons across flu seasons, regions, age groups and a variety of other demographics.

National Institute for Occupational Safety and Health: Monthly surveillance data on the prevalence of health-related workplace absenteeism among full-time workers in the United States are [available from NIOSH](https://www.cdc.gov/niosh/topics/absences/default.html) (<https://www.cdc.gov/niosh/topics/absences/default.html>).

U.S. State and local influenza surveillance: Select a jurisdiction below to access the latest local influenza information.

Alabama (http://adph.org/influenza/)	Alaska (http://dhss.alaska.gov/dph/Epi/id/Pages/influenza/fluinfo.aspx)
Colorado (https://www.mass.gov/info-details/influenza-reporting)	Connecticut (https://portal.ct.gov/DPH/Epidemiology-and-Emerging-Infections/Influenza-Surveillance-and-Statistics)
Georgia (https://dph.georgia.gov/flu-activity-georgia)	Hawaii (http://health.hawaii.gov/docd/resources/reports/influenza-reports/)
Iowa (https://idph.iowa.gov/influenza/reports)	Kansas (http://www.kdheks.gov/flu/surveillance.htm)
Maryland (https://phpa.health.maryland.gov/influenza/fluwatch/)	Massachusetts (https://www.mass.gov/influenza)
Missouri (http://health.mo.gov/living/healthcondiseases/communicable/influenza/reports.php)	Montana (https://dphhs.mt.gov/publichealth/cdepi/diseases/influenza/in)
New Jersey (http://www.nj.gov/health/cd/topics/flu.shtml)	New Mexico (https://nmhealth.org/about/erd/ideb/isp/)
Ohio (http://www.flu.ohio.gov)	Oklahoma (https://oklahoma.gov/health/health-education/acute-disease-service/disease-information/influenza-home-page.html)
South Carolina (http://www.scdhec.gov/Health/DiseasesandConditions/InfectiousDiseases/Flu/FluData/)	South Dakota (https://doh.sd.gov/diseases/infectious/flu/surveillance.aspx)
Vermont (http://www.healthvermont.gov/immunizations-infectious-disease/influenza/flu-activity-and-surveillance)	Virginia (http://www.vdh.virginia.gov/epidemiology/influenza-in-virginia/influenza-surveillance/)

Wyoming (<https://health.wyo.gov/publichealth/infectious-disease-epidemiology-unit/disease/influenza/>)

New York City (<http://www1.nyc.gov/site/doh/providers/health-topics/flu-alerts.page>)

World Health Organization:

Additional influenza surveillance information from participating WHO member nations is available through FluNet [↗](https://www.who.int/tools/flunet) (<https://www.who.int/tools/flunet>) and the Global Epidemiology Reports. [↗](https://www.who.int/teams/global-influenza-programme/surveillance-and-monitoring/influenza-surveillance-outputs) (<https://www.who.int/teams/global-influenza-programme/surveillance-and-monitoring/influenza-surveillance-outputs>)

WHO Collaborating Centers for Influenza:

Australia [↗](http://www.influenzacentre.org/Surveillance_Samples_Received.html) (http://www.influenzacentre.org/Surveillance_Samples_Received.html), China [↗](http://www.chinaivdc.cn/cnic/) (<http://www.chinaivdc.cn/cnic/>), Japan [↗](http://idsc.nih.go.jp/index.html) (<http://idsc.nih.go.jp/index.html>), the United Kingdom [↗](https://www.crick.ac.uk/research/worldwide-influenza-centre) (<https://www.crick.ac.uk/research/worldwide-influenza-centre>), and the United States (<http://www.cdc.gov/flu/>) (CDC in Atlanta, Georgia)

Europe:

The most up-to-date influenza information from Europe is available from WHO/Europe and the European Centre for Disease Prevention and Control [↗](http://www.flunewseurope.org/) (<http://www.flunewseurope.org/>).

Public Health Agency of Canada:

The most up-to-date influenza information from Canada is available in Canada's weekly FluWatch report [↗](http://www.phac-aspc.gc.ca/fluwatch/) (<http://www.phac-aspc.gc.ca/fluwatch/>).

Public Health England:

The most up-to-date influenza information from the United Kingdom is available from Public Health England [↗](http://www.hpa.org.uk/Topics/InfectiousDiseases/InfectionsAZ/SeasonalInfluenza/) (<http://www.hpa.org.uk/Topics/InfectiousDiseases/InfectionsAZ/SeasonalInfluenza/>).

Any links provided to non-Federal organizations are provided solely as a service to our users. These links do not constitute an endorsement of these organizations or their programs by CDC or the Federal Government, and none should be inferred. CDC is not responsible for the content of the individual organization web pages found at these links.

A description of the CDC influenza surveillance system, including methodology and detailed descriptions of each data component is available on the [surveillance methods](http://www.cdc.gov/flu/weekly/overview.htm) (<http://www.cdc.gov/flu/weekly/overview.htm>) page.

Last Reviewed: November 13, 2023, 11:00 AM
