



**Summit County Public Health
Influenza Surveillance Report
2024 – 2025 Season
Report #6**



**Flu Surveillance Weeks 7 & 8 (11/17/2024 to 11/30/2024)
Centers for Disease Control and Prevention MMWR Weeks 47 & 48**

Summit County Surveillance Data:

In **Weeks 7 & 8** of influenza surveillance, influenza-related activity was Low¹ in Summit County.

Table 1: Overall Influenza Activity Indicators in Summit County by week				
	Week 7 MMWR 47 N (%) ¹	Week 8 MMWR 48 N (%) ¹	Percent change from previous week	Number of weeks increasing or decreasing
Lab Reports: Influenza				
Test Performed	832	785	-5.6%	2↓
Positive Tests (Number and %)	17 (2.0%)	8 (1.0%)	-50.1%	1↓
Influenza A (Number and %)	16 (1.9%)	8 (1.0%)	-47.0%	1↓
Influenza B (Number and %)	1 (0.1%)	0 (0.0%)	-100.0%	1↓
Acute care hospitalizations for Influenza:	4	1	-75.0%	1↓
Schools absenteeism²	8.8	11.6	31.9%	5↑
Deaths (occurred in Summit County)				
Pneumonia associated	5	2	-60.0%	2↓
Influenza associated	0	0	-	-
COVID-19 associated	0	1	-	-
Emergency room visits (EpiCenter)³ (Figure 3)**				
Total ED Visits	6443	6132	-4.8 %	4↓
Constitutional Complaints	652	614	-1.1%	1↓
Fever and ILI	130	143	15.6%	2↑
<p>1) School Absence is for any reason. Percent is from total number of students enrolled. Data was collected from approx. 6 schools or school districts throughout Summit County (n = approx. 30,000 students)</p> <p>2) Notable changes in Epicenter data are the result of a change in reporting practices from at least one of the reporting facilities. **These figures should not be compared to previous year's reports** Notable decrease/ elimination of ER Related data may be the result of a reporting delay and not reflective of actual trends. This will be revised in future reports.</p> <p>Note: Data is provisional and may be updated as more information is received. Percentages should be interpreted with caution. Small changes in number can result in large changes in percent. When a percentage, or prevalence, is available in this table, the percent change will be calculated from those values</p>				

Lab reports:
During week 7 and 8 of influenza surveillance, reporting Summit County facilities performed 1,617 tests, of which 25 had positive results. **(Figure 4) Note: Influenza data are collected from selected reporting partners and do not represent positivity rates for the entire county.**

Acute Care Hospitalizations:
There were 5 reported admissions during week 7 and 8. **Figure 2** displays hospitalizations in Summit County.

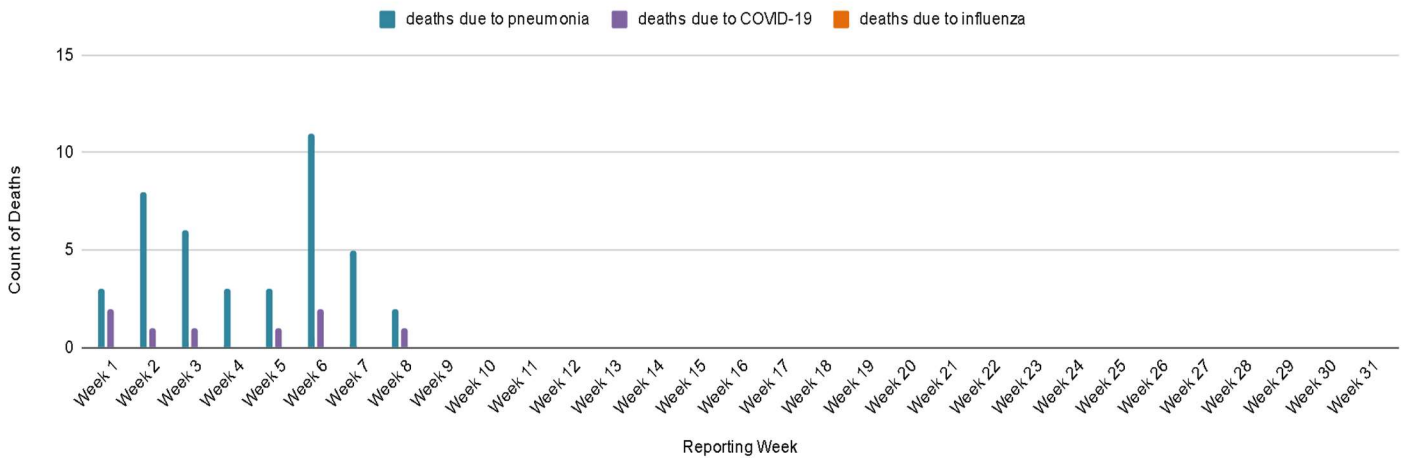
School absenteeism:
includes absences regardless of reasoning. There was a 31.9% increase in school absences from week 7 to 8.

0 deaths related to influenza, 1 COVID-19 related death and 7 pneumonia related deaths occurred in Summit County during week 7 & 8.

Figure 1 displays weekly counts of deaths occurring in Summit County associated with pneumonia, COVID-19 and influenza.

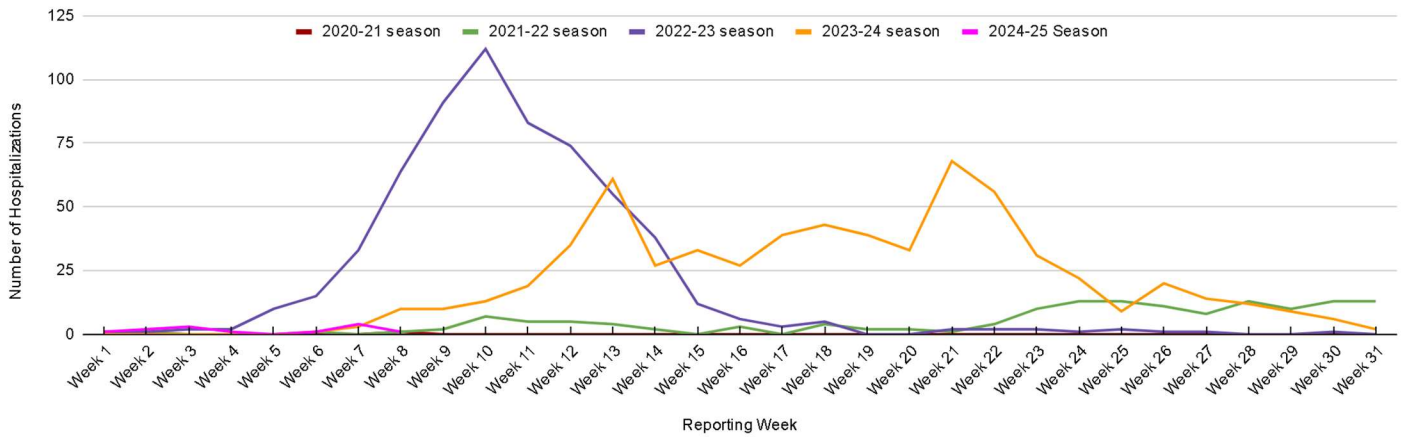
¹The measure of 'influenza-related activity in Summit County' will be determined based on week to week comparison of table 1 indicators. The scale is as follows: 1/5 indicators increase (very low), 2/5 indicators increase (low), 3/5 indicators increase (moderate), 4/5 indicators increase (high), 5/5 indicators increase (very high).

Figure 1. Weekly Summit County death counts associated with pneumonia, COVID-19 and influenza during 2024-2025 season



Hospitalizations: In Week 7, Summit County hospitals reported 4 influenza-associated hospitalizations. In Week 8 there was 1 new influenza-associated hospitalization. **Figure 2** displays weekly confirmed hospitalization counts for Summit County

Figure 2. Summit County weekly influenza-associated hospitalizations, 2024-2025 season and previous four seasons



EpiCenter collects and analyzes health related data in real time to provide information about the health of the community. This system tracks ER visits related to constitutional complaints and fever and ILI. **Figure 3** displays the weekly ER visits related to ILI and flu symptoms in Summit County by age group. ****These figures should not be compared to previous year reports. ****

Figure 3. Weekly ED visits in Summit County related to Fever + ILI reported in EpiCenter by Age Group, 2024 to 2025 season

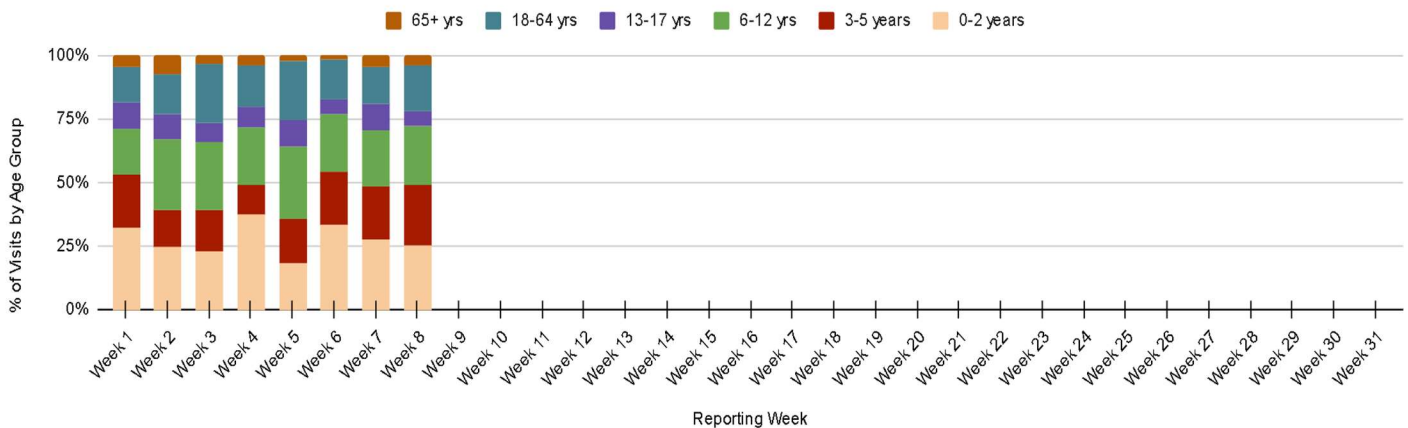
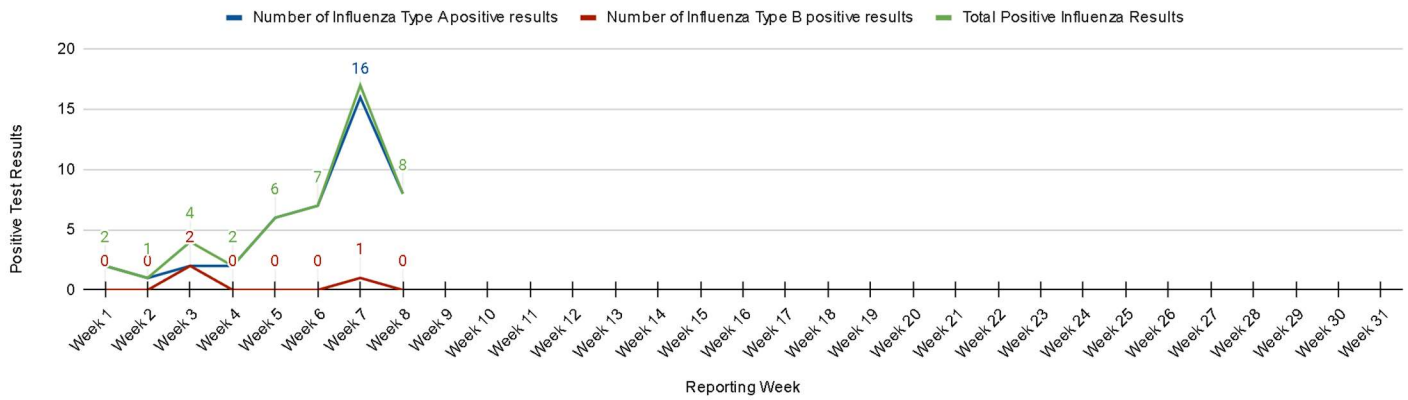


Figure 4. Influenza diagnostic tests with positive results completed by Summit County health facilities, 2024 to 2025 season



Ohio Influenza Activity: from the Ohio Department of Health:

Current Ohio Activity Level (Geographic Spread) –Low

Activity Indicators (Week ending on 11/30/2024)				
Data Source	Current Week	Percent Change From Last Week	Trend Direction	<div style="display: flex; justify-content: space-between; align-items: center;"> <div style="text-align: left;"> <p>Above 5 yr Average</p> <p>Below 5 yr Average</p> </div> <div style="text-align: center;"> <p>5 yr Average</p> <p>Current Season Percent</p> </div> </div>
% of Outpatient Visits Influenza-like Illness (ILI) Outpatient Data (ILINet Sentinel Provider Visits)	3.18%	7.07%	↑	
% of Emergency Department (ED) Visits Fever and ILI Specified ED Visits (EpiCenter)	1.83%	1.67%	↑	
% of ED Visits Constitutional ED Visits (EpiCenter)	10.24%	0.10%	↑	
Hospitalizations Confirmed Influenza-associated Hospitalizations (Ohio Disease Reporting System)	21	16.67%	↑	

Footnotes:

- **Emergency Department Visits (EpiCenter):** A five-year average, which includes data from the 2017-2018 and 2018-2019 seasons in addition to data from the 2021-2022 through 2023-2024 seasons is displayed in the figure above. EpiCenter data from the 2019-2020 and 2020-2021 influenza seasons have been omitted from the five-year baseline average due to data instability and the effects of the COVID-19 pandemic.
- **Sentinel Providers (ILINet):** A five-year average, which includes data from the 2017-2018 and 2018-2019 seasons in addition to data from the 2021-2022 through 2023-2024 seasons is displayed in the figure above. ILINet data from the 2019-2020 and 2020-2021 influenza seasons have been omitted from the five-year baseline average due to data instability and the effects of the COVID-19 pandemic.
- **Influenza-associated Hospitalizations (ODRS):** A five-year average, which includes data from the 2017-2018 and 2018-2019 seasons in addition to data from the 2021-2022 through 2023-2024 seasons is displayed in the figure above. Influenza-associated hospitalization data from the 2019-2020 and 2020-2021 influenza seasons have been omitted from the five-year baseline average due to data instability and the effects of the COVID-19 pandemic.

Ohio Department of Health Seasonal Influenza Activity Summary

Source: <https://odh.ohio.gov/know-our-programs/seasonal-influenza/influenza-dashboard>

National Surveillance: from Centers for Disease Control and Prevention (CDC):

National Outpatient Illness Surveillance:

Nationally, during Week 48, 3.2% 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 week's percentage increased (change of > 0.1 percentage points) compared to Week 47 and is above baseline for the first time this season. The percentage of visits for ILI increased (change of > 0.1 percentage points) in HHS regions 1, 2, 4, 5, 7, 9, and 10. In HHS regions 3, 6, and 8, the percentage of visits for ILI has been increasing over the past several weeks, but the increase this week compared to the previous week was ≤0.1 percentage points. Nationally and in HHS regions 1, 3, 4, 9, and 10 activity is above their respective baselines, while Region 6 is at its baseline this week. Multiple respiratory viruses are co-circulating, and the relative contribution of influenza virus infections to ILI varies by location.

Figure 5. Percentage of Outpatient Visits for Respiratory Illness reported By the U.S. Outpatient Influenza-like Illness Surveillance Network (ILINet), Weekly National Summary, 2024-2025 and Selected Previous Seasons.

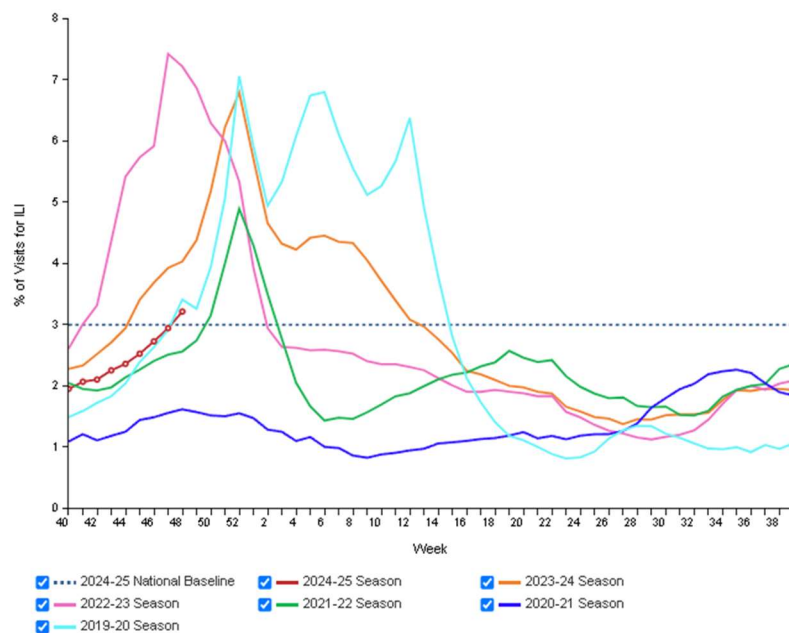
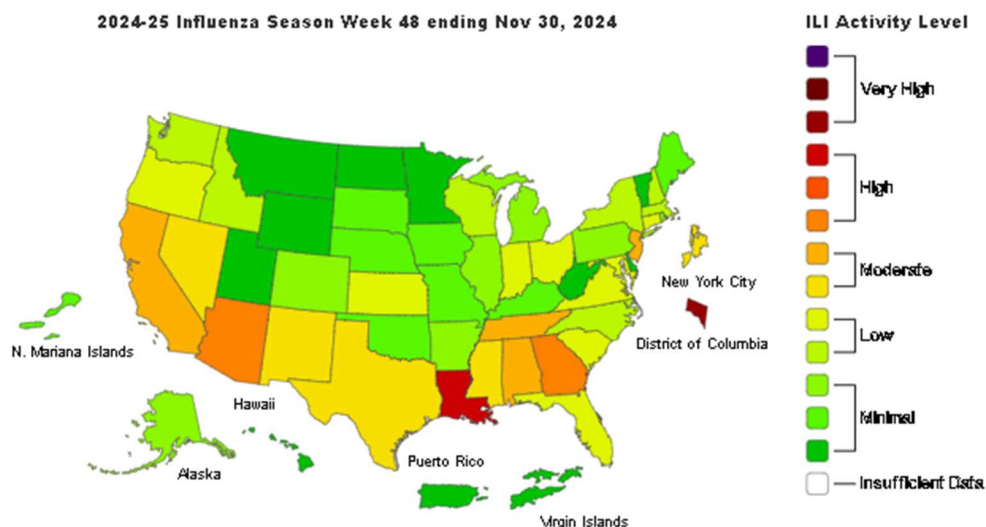


Figure 6. Influenza-like illness (ILI) activity level indicator determined by data reported to ILINet



Source: <https://www.cdc.gov/fluview/surveillance/2024-week-48.html>

Global Surveillance:

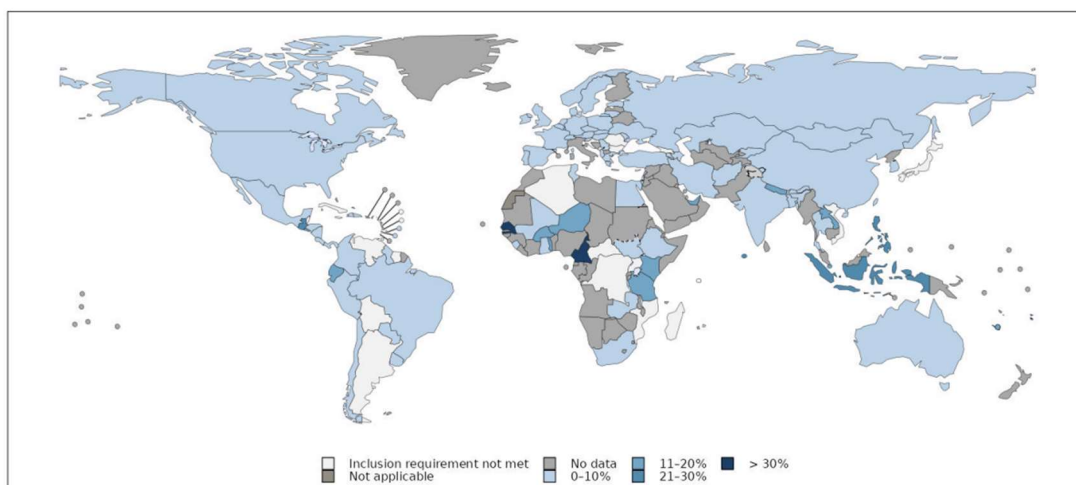
Influenza Update N° 504 Published 4 December 2024 | For reporting Week 47, ending 24 November 2024

Summary

Influenza

- In the Northern hemisphere, influenza activity in temperate countries remained at interepidemic levels. Elevated activity was noted in parts of Western Africa (due to B viruses), Middle Africa (due to A(H3N2)), Western Asia (due to co-circulation of influenza viruses), Southern Asia (due to A(H1N1)pdm09) and in South East Asia (due to A(H1N1)pdm09 and B). Activity increased in parts of Western and Northern Africa, Eastern Europe, and Southern Asia, but was similar or declined in all other reporting countries.
- In the Southern hemisphere, influenza activity was elevated in parts of Tropical South America (due mostly to B viruses) and in Eastern Africa (due mostly to B viruses). Activity increased in one country in Eastern Africa but was similar or declined in all other reporting countries.

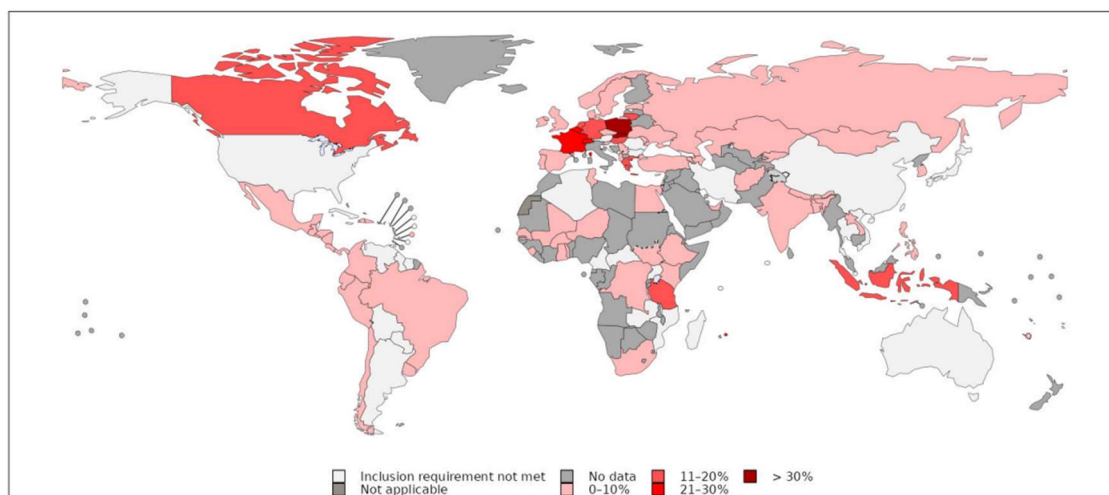
Influenza activity



SARS-CoV-2

- SARS-CoV-2 activity remained elevated in many countries in Europe and in a few countries in North America, South America, and South East Asia. Increased activity was reported from parts of Europe, Temperate South America, and South East Asia but was similar or declined in all other reporting countries.

SARS-CoV-2 activity



Source: <https://www.who.int/publications/m/item/influenza-update-n--504>

About this report: Reporting agencies include labs, hospitals, and schools. Agencies are distributed throughout Summit County and report different indicators of flu activity including total lab tests, numbers of positive tests and type, school absences, and influenza like illness (ILI). Number of deaths associated with influenza and pneumonia are gathered from the Summit County Office of Vital Records death listings. Emergency room visits for complaints related to influenza are obtained by syndromic surveillance system (Epicenter).

Special thanks to all agencies who report Influenza related data weekly.

Reporting from participants may not be complete each week. Numbers may change as updated reports are received. For questions, please contact Julie Zidones at the Summit County Public Health Communicable Disease Unit (330-375-2662 or cdu@schd.org). This report was issued on December 6, 2024.