



**Summit County Public Health
Influenza Surveillance Report
2024 – 2025 Season
Report #4**



**Flu Surveillance Weeks 5 & 6 (11/3/2024 to 11/16/2024)
Centers for Disease Control and Prevention MMWR Weeks 45 & 46**

Summit County Surveillance Data:

In **Weeks 5 & 6** of influenza surveillance, influenza-related activity was Very Low¹ in Summit County.

Table 1: Overall Influenza Activity Indicators in Summit County by week				
	Week 5 MMWR 45 N (%) ¹	Week 6 MMWR 46 N (%) ¹	Percent change from previous week	Number of weeks increasing or decreasing
Lab Reports: Influenza				
Test Performed	676	814	20.4%	2↑
Positive Tests (Number and %)	6 (0.9%)	6 (0.7%)	-17.0%	1↓
Influenza A (Number and %)	6 (0.9%)	6 (0.7%)	-17.0%	1↓
Influenza B (Number and %)	0 (0.0%)	0 (0.0%)	-	-
Acute care hospitalizations for Influenza:	0	0	0.0%	-
Schools absenteeism²	8.5	8.6	0.5%	3↑
Deaths (occurred in Summit County)				
Pneumonia associated	3	7	133.3%	1↑
Influenza associated	0	0	-	-
COVID-19 associated	1	0	-100.0%	1↓
Emergency room visits (EpiCenter)³ (Figure 3)**				
Total ED Visits	7072	6971	-1.4%	2↓
Constitutional Complaints	729	691	-3.8%	2↓
Fever and ILI	143	135	-4.2%	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 5 and 6 of influenza surveillance, reporting Summit County facilities performed 1,490 tests, of which 12 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 0 reported admission during week 5 and 6. **Figure 2** displays hospitalizations in Summit County.

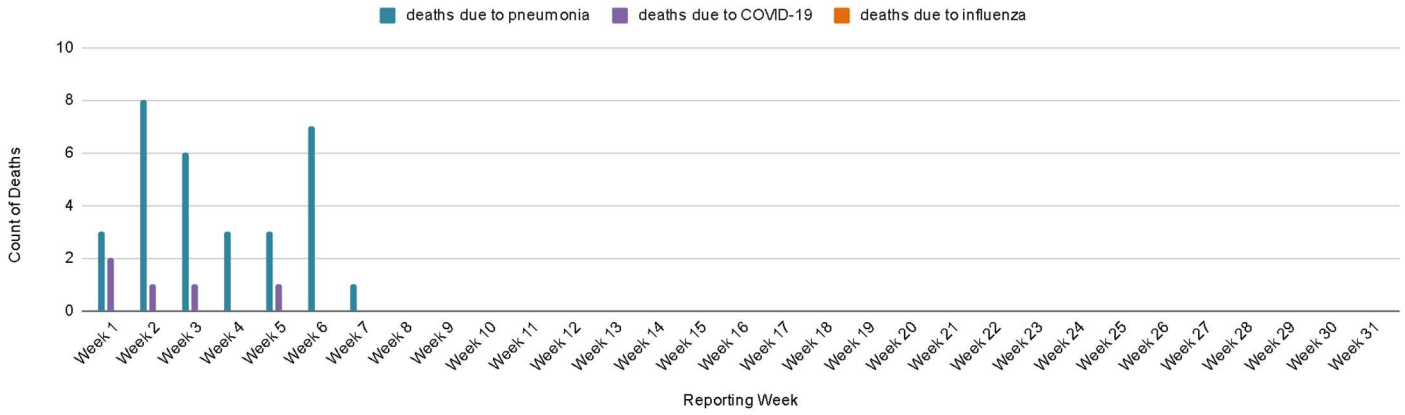
School absenteeism:
includes absences regardless of reasoning. There was a 0.5 % increase in school absences from week 5 to 6.

0 deaths related to influenza, 1 COVID-19 related death and 10 pneumonia related deaths occurred in Summit County during week 5 & 6. Pneumonia associated deaths increased and COVID-19 associated deaths decreased in week 6.

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

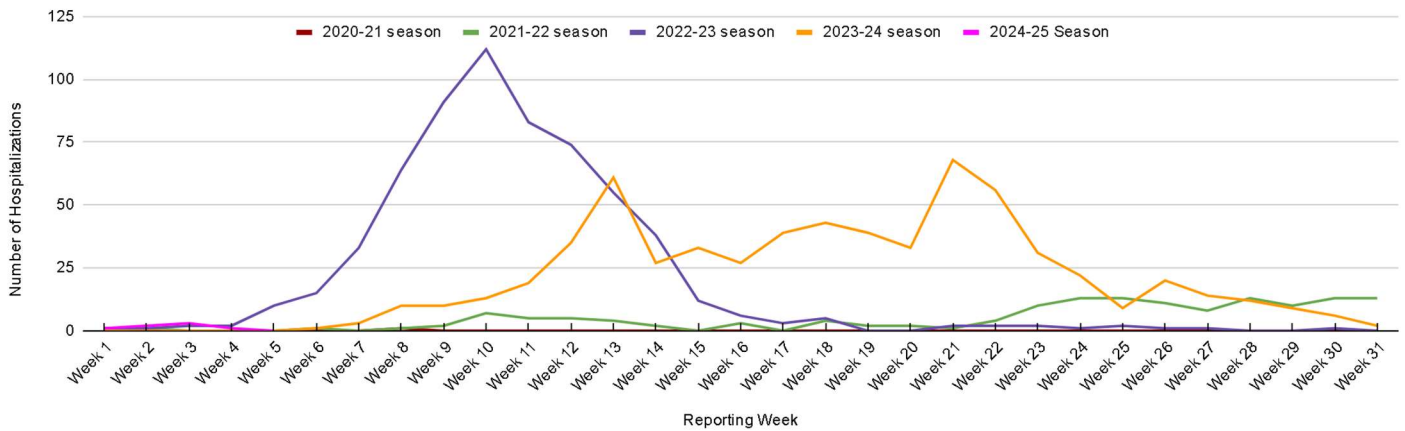
¹The measure of 'influenza-related activity in Summit County' will be determined based on week to week comparison of table 1 indicators. The scale is as follows: 1/5 indicators increase (very low), 2/5 indicators increase (low), 3/5 indicators increase (moderate), 4/5 indicators increase (high), 5/5 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 5, Summit County hospitals reported 0 influenza-associated hospitalizations. In Week 6 there were 0 new influenza-associated hospitalizations. **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

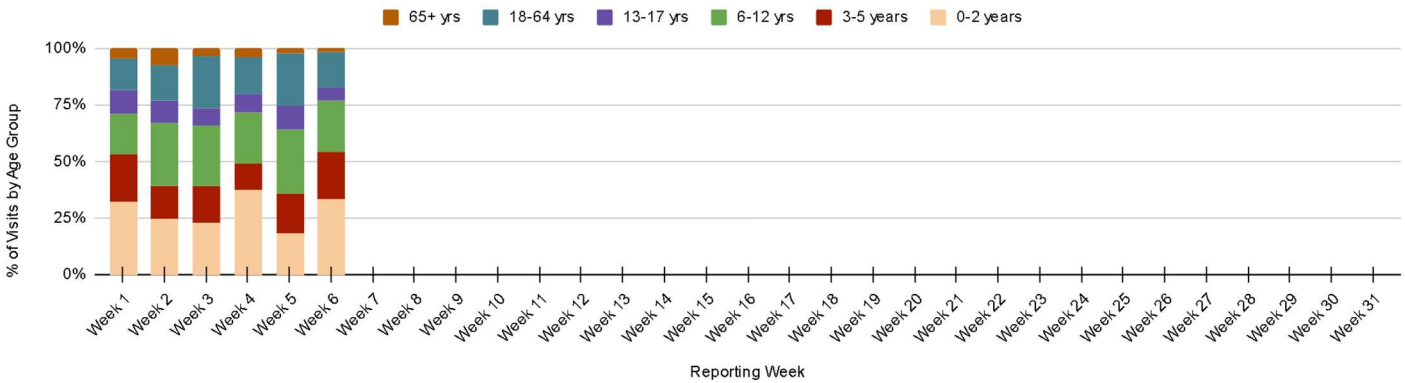
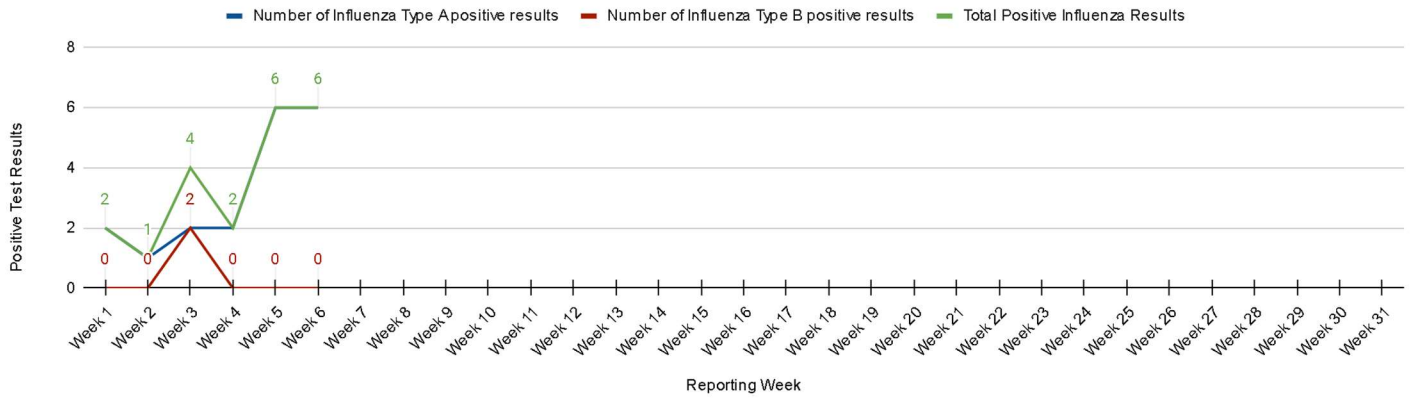


Figure 4. Influenza diagnostic tests with positive results completed by Summit County health facilities, 2024 to 2025 season



Ohio Influenza Activity: from the Ohio Department of Health:

Current Ohio Activity Level (Geographic Spread) –Low

Activity Indicators (Week ending on 11/16/2024)				
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)	2.98%	6.81%	↑	
% of Emergency Department (ED) Visits Fever and ILI Specified ED Visits (EpiCenter)	1.72%	-0.58%	↓	
% of ED Visits Constitutional ED Visits (EpiCenter)	10.06%	-0.89%	↓	
Hospitalizations Confirmed Influenza-associated Hospitalizations (Ohio Disease Reporting System)	14	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 46, 2.7% 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 45 and has been trending upward for the past four weeks but remains below baseline. Region 4 is at its baseline while the remaining nine HHS regions are below their respective baselines. The percentage of visits for ILI increased this week compared to last week in regions 4, 6, 9, and 10, and has been trending upward in regions 2 and 8. ILI activity remained stable (change of ≤ 0.1 percentage points) in all other regions (1, 3, 5, and 7) in Week 46 compared to Week 45. 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.

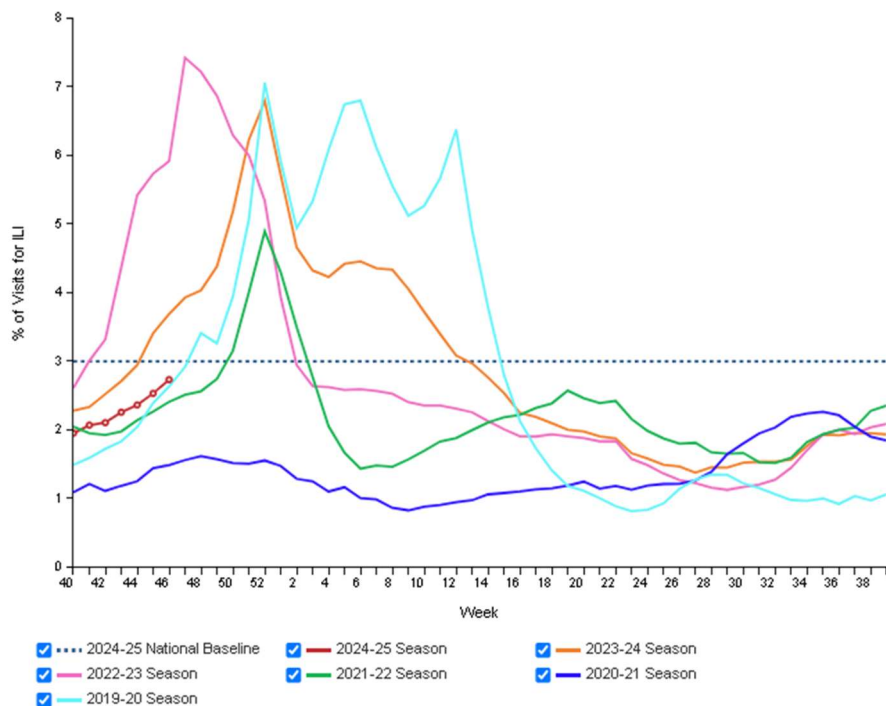
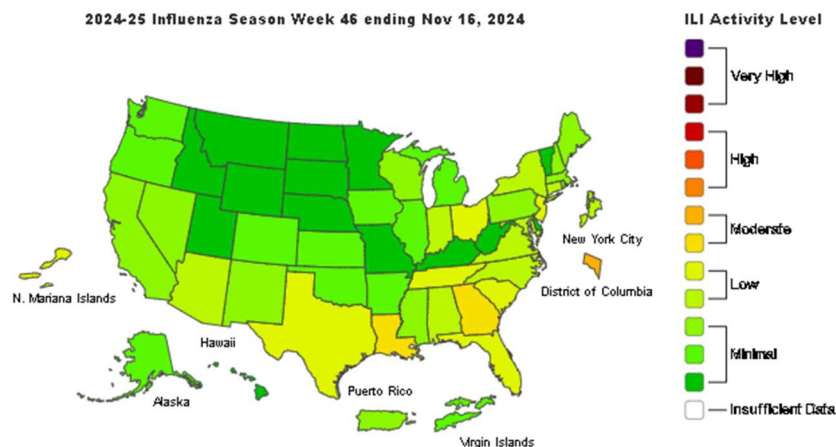


Figure 6. Influenza-like illness (ILI) activity level indicator determined by data reported to ILINet



Source: <https://www.cdc.gov/fluview/surveillance/2024-week-46.html>

Global Surveillance:

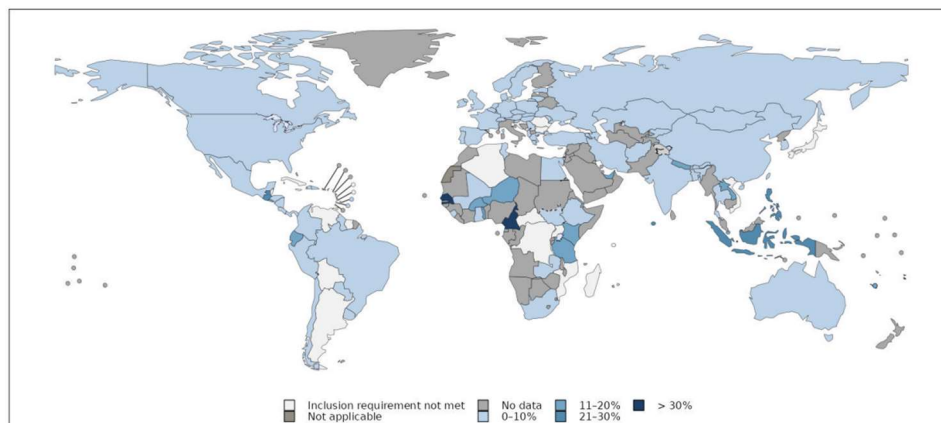
Influenza Update N° 501 Published 14 November 2024 | For reporting Week 44, ending 03 November 2024

Summary

Influenza

- In the Northern hemisphere, influenza activity in temperate countries remained at interepidemic levels. Elevated activity was noted in Western Africa (due to B viruses), Middle Africa (due to A(H3N2)), Western Asia (due to A(H1N1)pdm09), Southern Asia (due to A(H1N1)pdm09 and B viruses), South East Asia (due to A viruses), and Central America (due to A(H3N2)). Activity increased in one Western Asian country but remained similar or declined elsewhere.
- In the Southern hemisphere, influenza activity was elevated in one country in South America (due mostly to B viruses), in Eastern Africa (due to A(H1N1)pdm09 and B viruses), and in the geographic sub-region of Oceania, Melanesia, and Polynesia (due mostly to A(H3N2) viruses). Activity was similar or declined in most reporting countries but increased in single countries in Tropical South America and Melanesia.

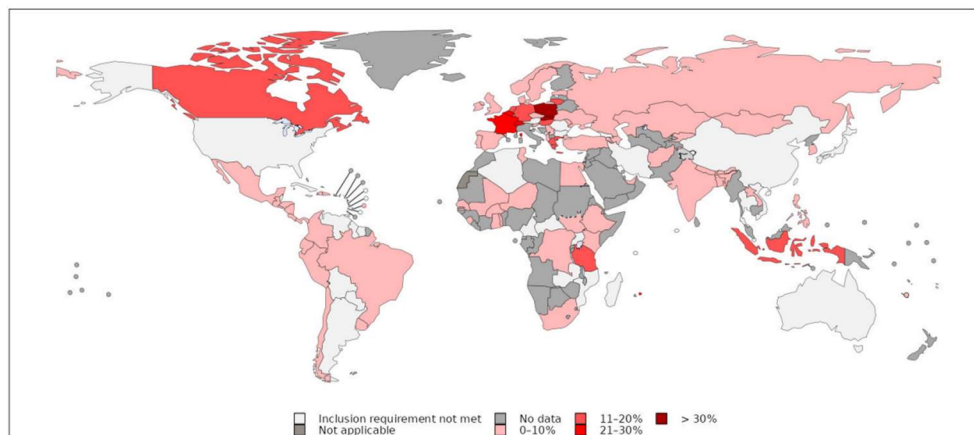
Influenza activity



SARS-CoV-2

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

SARS-CoV-2 activity



Source: <https://www.who.int/publications/m/item/influenza-update-n--501>

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 November 22, 2024.