



# Flu Watch

MMWR Week 51: December 15, 2024 to December 21, 2024

All data are provisional and subject to change as more reports are received.

## Geographic Spread



South Carolina reported **widespread activity** this week.

## Influenza Indicators

| Influenza Indicator | Change from Previous Week |
|---------------------|---------------------------|
| Lab-confirmed tests | Increased                 |
| ILI Percent         | Increased                 |
| Hospitalizations    | Increased                 |

## Regional Influenza Activity



Increased



Increased



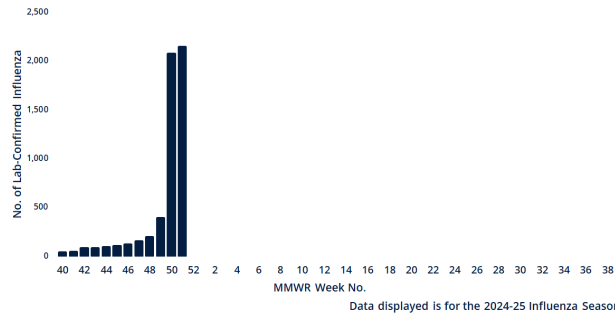
Increased



Increased

## Virologic Surveillance

This week **2,179** lab-confirmed tests were reported. In the current flu season, there have been **4,558** lab-confirmed tests reported.

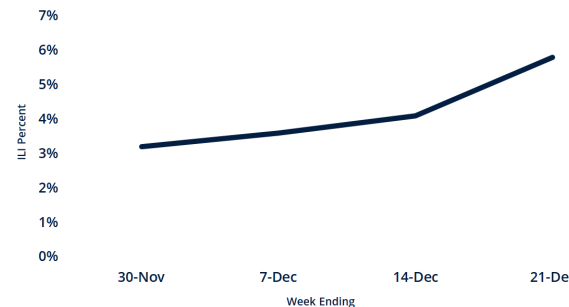


## Influenza-Associated Hospitalizations

This week **146** influenza-associated hospitalizations were reported by **68** hospitals. The cumulative hospitalization rate is **7.4 per 100,000**. In the current flu season, there have been **374** influenza-associated hospitalizations.

## Influenza-Like Illness Surveillance

The percent of patient visits to sentinel providers for an influenza-like illness (ILI) was **5.8%**, which is **above** South Carolina's baseline (**3.2%**). The ILI activity level overall was **high**.



## Influenza-Associated Deaths

This week, **1** influenza-associated death was reported; however, the death occurred during a previous week. The cumulative mortality rate is **0.1 per 100,000**. In the current flu season, there have been **3** influenza-associated deaths.

For a description of South Carolina's influenza surveillance components and definitions go to:

<https://dph.sc.gov/professionals/public-health-data/flu-watch>

For national surveillance, please visit:

<https://www.cdc.gov/flu/weekly/>

# Virologic Surveillance

| Lab-Confirmed Influenza Cases by Influenza Type to Date* |                   |                   |                    |                    |                    |
|----------------------------------------------------------|-------------------|-------------------|--------------------|--------------------|--------------------|
| Influenza Type                                           | No. of Cases (%)  |                   |                    |                    |                    |
|                                                          | This Week         | 2024-25           | 2023-24            | 2022-23            | 5 Season Average   |
| <b>Overall</b>                                           | <b>2,179</b>      | <b>4,558</b>      | <b>37,775</b>      | <b>44,037</b>      | <b>16,929</b>      |
| <b>Influenza A</b>                                       | <b>2144(98.4)</b> | <b>4382(96.1)</b> | <b>19530(54.6)</b> | <b>43439(98.6)</b> | <b>13453(79.5)</b> |
| A(H3)                                                    | 106(4.9)          | 220(5.0)          | 25(0.1)            | 971(2.2)           | 229(1.7)           |
| A(H1N1)                                                  | 31(1.4)           | 95(2.2)           | 1368(7.0)          | 1297(3.0)          | 613(4.6)           |
| A(NS)**                                                  | 2007(93.6)        | 4067(92.8)        | 18137(92.9)        | 41171(94.8)        | 12611(93.7)        |
| <b>Influenza B</b>                                       | <b>33(1.5)</b>    | <b>148(3.2)</b>   | <b>15995(44.7)</b> | <b>558(1.3)</b>    | <b>3415(20.2)</b>  |
| B (Victoria)                                             | --                | --                | 74(0.5)            | --                 | 25(0.7)            |
| B(Yamagata)                                              | --                | --                | --                 | --                 | --                 |
| B (LND) <sup>+</sup>                                     | 33(100.0)         | 148(100.0)        | 15921(99.5)        | 558(100.0)         | 3390(99.3)         |
| <b>Influenza Virus Coinfection<sup>§</sup></b>           | <b>2(0.1)</b>     | <b>28(0.6)</b>    | <b>250(0.7)</b>    | <b>40(0.1)</b>     | <b>61(0.4)</b>     |

\*Data presented from previous influenza seasons represents the data from that season through the same week as the current season. Nationally, the influenza season begins with MMWR week 40 and ends with MMWR week 39. The 2024-25 influenza season began on September 29, 2024 and will end on September 27, 2025.

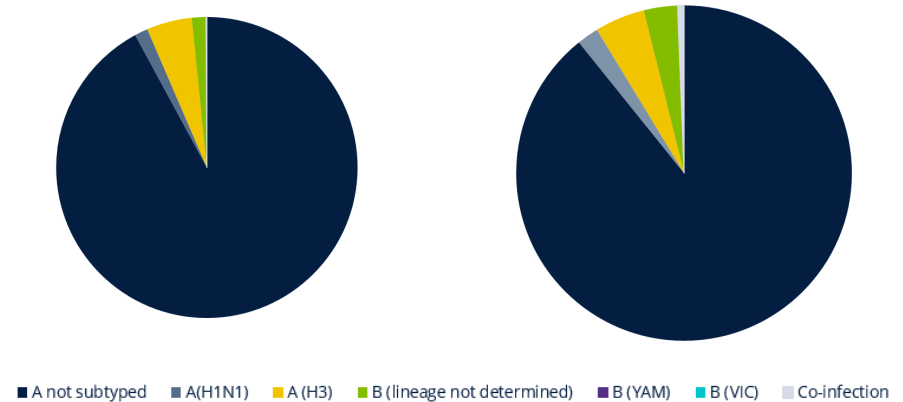
\*\*NS - not subtyped +LND - lineage not determined

<sup>§</sup>Cases with more than one influenza A subtype in the same sample or with influenza A and B viral types in the same sample simultaneously.

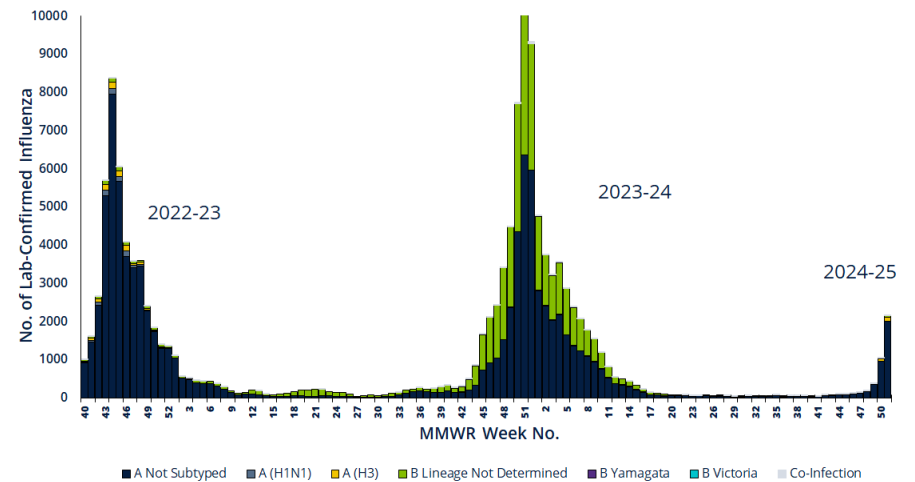
## Laboratory-Confirmed Influenza Cases, by Virus Type

Week ending 12/21

Cumulative



## Laboratory-Confirmed Influenza Cases, 2022-23 Season to Present



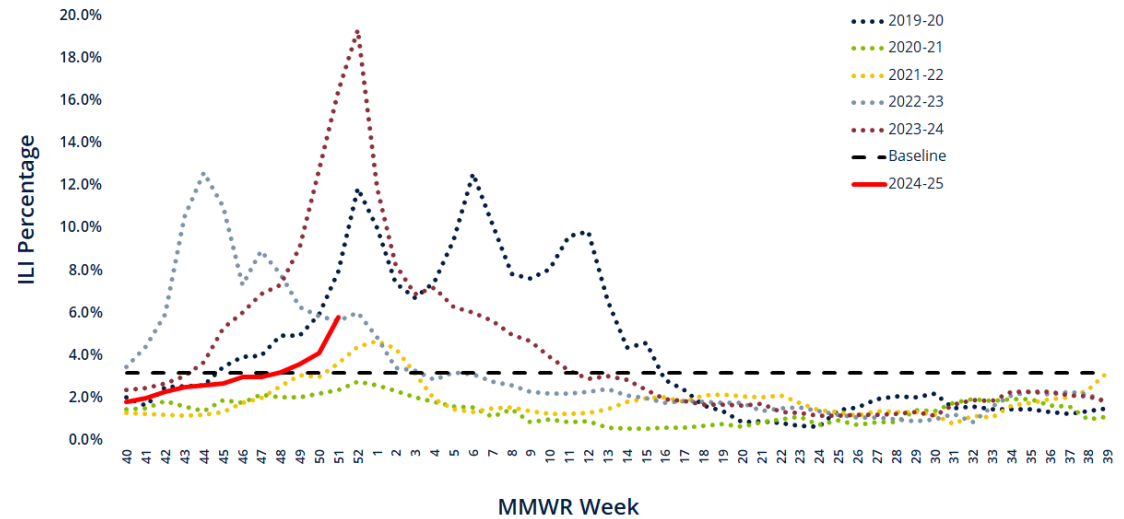
# Influenza-Like Illness (ILI) Surveillance

This week, the ILI activity level was **high** and **5.8%** of patient visits to SC ILINet providers were attributed to an influenza-like illness. This is **above** the state baseline of **3.2%**.

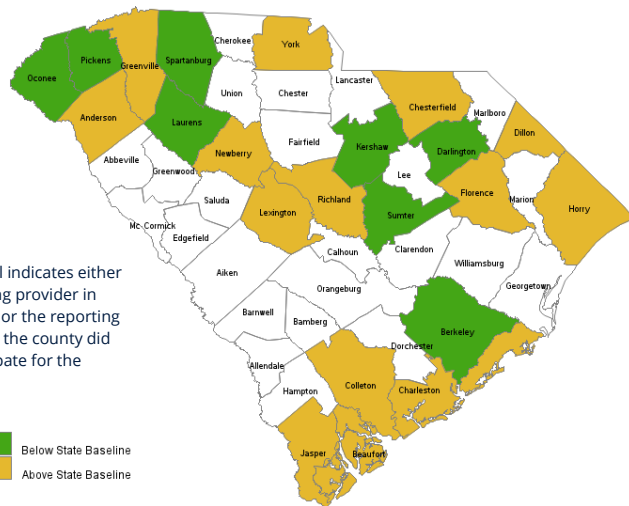
Reports were received from providers in **22** counties, representing all DPH Public Health regions.

\*\*ILI percentage is dependent upon the number of reporting providers and/or can vary by disease activity or the number of providers submitting reports.\*\*

Percentage of Influenza-like Illness (ILI) Visits Reported by Sentinel Providers for Past and Current Seasons



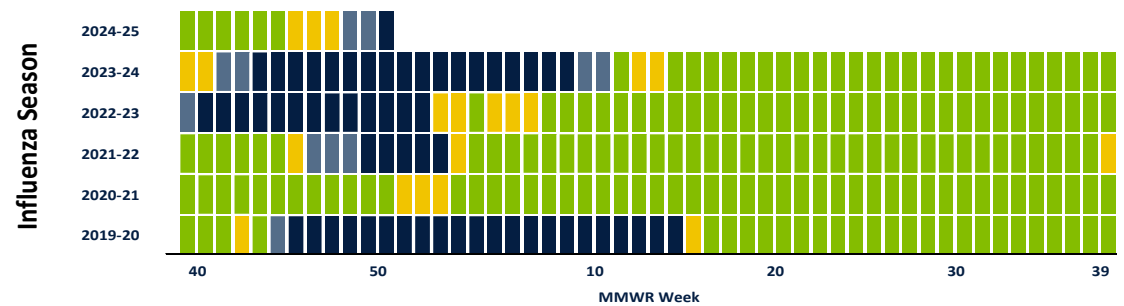
County ILI Percent



No color fill indicates either no reporting provider in the county or the reporting provider in the county did not participate for the week.

Below State Baseline  
Above State Baseline

State ILI Activity Level by MMWR Week, 2017-18 Influenza Season to Present



ILI ACTIVITY LEVELS: MINIMAL LOW MODERATE HIGH

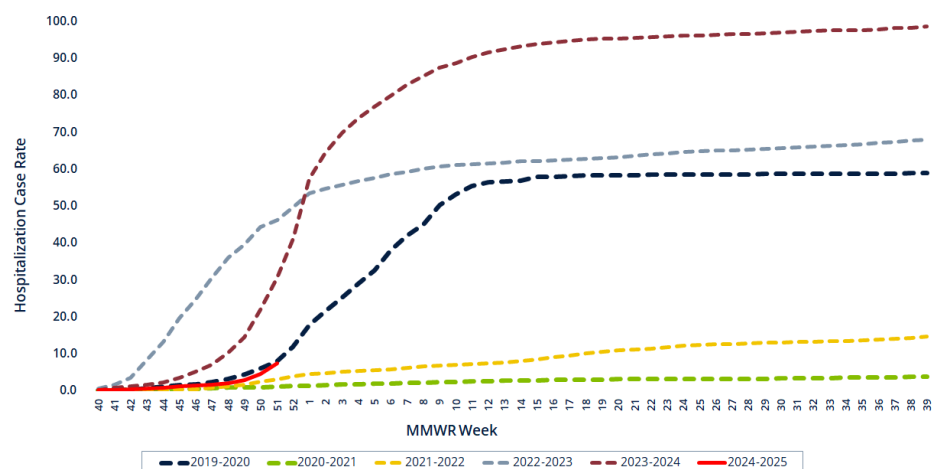
# Influenza-Associated Hospitalizations And Deaths

| Influenza-Associated Hospitalizations by Age Group* |                                |          |           |            |            |             |
|-----------------------------------------------------|--------------------------------|----------|-----------|------------|------------|-------------|
| Influenza Season                                    | No. of Hospitalizations (Rate) |          |           |            |            |             |
|                                                     | Overall                        | Ages 0-4 | Ages 5-17 | Ages 18-49 | Ages 50-64 | Ages 65+    |
| This Week                                           | 146(2.9)                       | 4(1.4)   | 5(0.6)    | 21(1.0)    | 38(3.8)    | 78(8.7)     |
| 2024-25                                             | 374(7.4)                       | 10(3.5)  | 9(1.1)    | 65(3.2)    | 87(8.6)    | 203(22.5)   |
| 2023-24                                             | 1727(34.0)                     | 66(23.1) | 105(12.7) | 346(16.8)  | 453(44.9)  | 757(84.0)   |
| 2022-23                                             | 2384(46.9)                     | 76(26.6) | 107(13.0) | 448(21.8)  | 510(50.6)  | 1243(137.9) |
| 5 Season Average                                    | 951(18.7)                      | 40(13.9) | 50(6.1)   | 188(9.1)   | 223(22.1)  | 450(49.9)   |

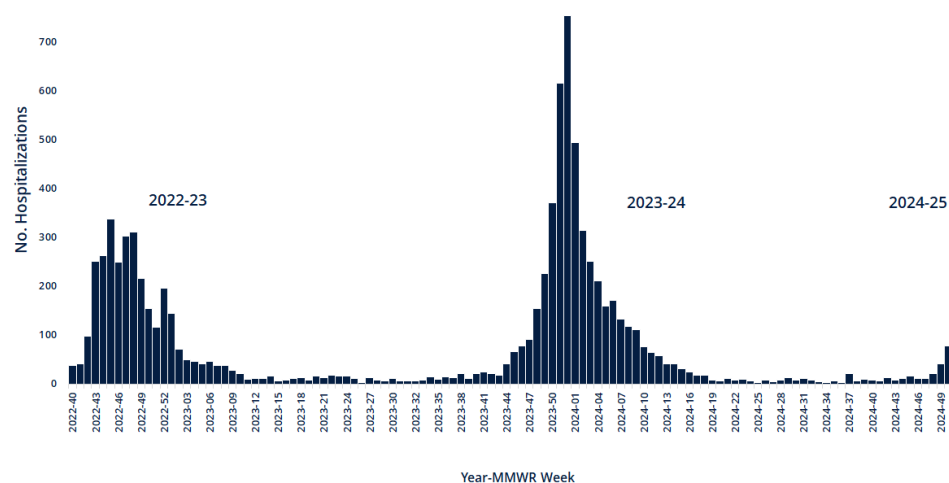
  

| Influenza-Associated Deaths by Age Group* |                      |          |           |            |            |          |
|-------------------------------------------|----------------------|----------|-----------|------------|------------|----------|
| Influenza Season                          | No. of Deaths (Rate) |          |           |            |            |          |
|                                           | Overall              | Ages 0-4 | Ages 5-17 | Ages 18-49 | Ages 50-64 | Ages 65+ |
| This Week                                 | --                   | --       | --        | --         | --         | --       |
| 2024-25                                   | 3(0.1)               | --       | --        | --         | --         | 3(0.3)   |
| 2023-24                                   | 37(0.7)              | --       | 1(0.1)    | 6(0.3)     | 8(0.8)     | 22(2.4)  |
| 2022-23                                   | 93(1.8)              | --       | 4(0.5)    | 3(0.1)     | 20(2.0)    | 66(7.3)  |
| 5 Season Average                          | 31(0.6)              | --       | 1(0.1)    | 3(0.1)     | 6(0.6)     | 21(2.3)  |

Cumulative Hospitalization Rate for Past and Current Seasons



Reported Influenza-Associated Hospitalizations, 2022-23 Season to Present



\*Data presented from previous influenza seasons represents the data from that season through the same week as the current season. Nationally, the influenza season begins with MMWR week 40 and ends with MMWR week 39. The 2024-25 influenza season began on September 29, 2024 and will end on September 27, 2025.

Influenza-Associated Deaths by Region

