

# Flu Watch

MMWR Week 1: January 1 to January 7, 2023

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	Decreased
ILI Percent	Decreased
Hospitalizations	Decreased

## Regional Influenza Activity



Decreased



Decreased



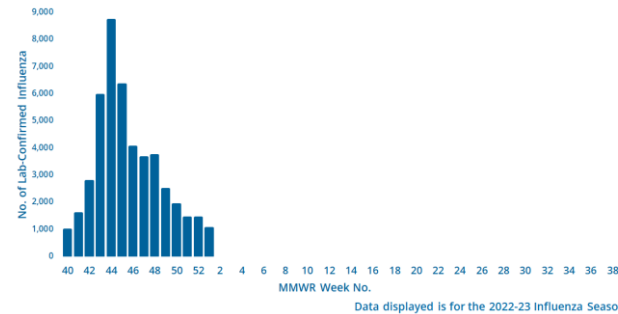
Decreased



Decreased

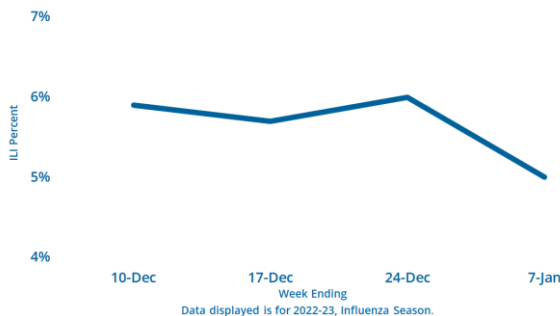
## Virologic Surveillance

This week **1,044** lab-confirmed tests were reported. In the current flu season, there have been **46,223** lab-confirmed tests reported.



## Influenza-Like Illness Surveillance

The percent of patient visits to sentinel providers for an influenza-like illness (ILI) was **5.0%**, which is **above** South Carolina's baseline (**3.6%**). The ILI activity level overall was **high**.



## Influenza-Associated Hospitalizations

This week **140** influenza-associated hospitalizations were reported by **50** hospitals. The cumulative hospitalization rate is **53.4 per 100,000**. In the current flu season, there have been **2714** influenza-associated hospitalizations.

## Influenza-Associated Deaths

This week, **15** influenza-associated deaths were reported; however, **14** deaths occurred during previous weeks. The cumulative mortality rate is **1.7 per 100,000**. In the current flu season, there have been **85** influenza-associated deaths.

# Virologic Surveillance

Lab-Confirmed Influenza Cases by Influenza Type to Date*					
Influenza Type	No. of Cases (%)				
	This Week	2022-23	2021-22	2020-21	5 season average
Overall	1044	46223	6382	82	1867
<b>Influenza A</b>	<b>1003(96.1)</b>	<b>45240(97.9)</b>	<b>6196(97.1)</b>	<b>14(17.1)</b>	<b>1619(86.7)</b>
A(H3)	5(0.5)	911(2.0)	181(2.9)	--	76(4.7)
A(H1N1)	86(8.6)	1225(2.7)	263(4.2)	1(7.1)	126(7.8)
A(NS)**	912(90.9)	43104(95.3)	5752(92.8)	13(92.9)	1418(87.6)
<b>Influenza B</b>	<b>41(3.9)</b>	<b>931(2.0)</b>	<b>182(2.9)</b>	<b>63(76.8)</b>	<b>243(13.0)</b>
B (Victoria)	--	--	--	--	23(9.5)
B(Yamagata)	--	--	--	--	3(1.2)
B (LND) <sup>†</sup>	41(100.0)	931(100.0)	182(100.0)	63(100.0)	217(89.3)
<b>Influenza Virus Coinfection<sup>§</sup></b>	<b>--</b>	<b>52(0.1)</b>	<b>4(0.1)</b>	<b>5(6.1)</b>	<b>4(0.2)</b>

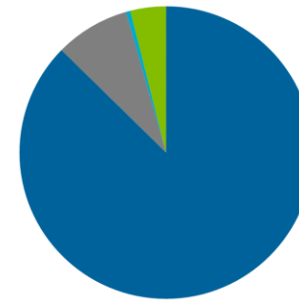
\*Data presented from previous influenza seasons represents the data from that season through the same week as the current season. Nationally, the influenza season begins with MMWR week 40 and ends with MMWR week 39. The 2022-23 influenza season began on October 2, 2022 and will end on September 30, 2023.

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

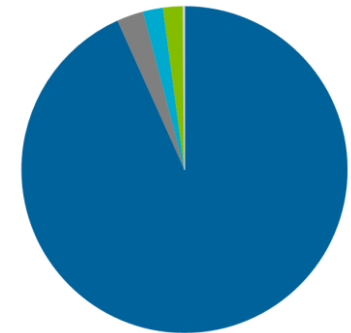
§Cases with more than one influenza A subtype in the same sample or with influenza A and B viral types in the same sample simultaneously.

## Laboratory-Confirmed Influenza Cases, by Virus Type

Week ending 1/7

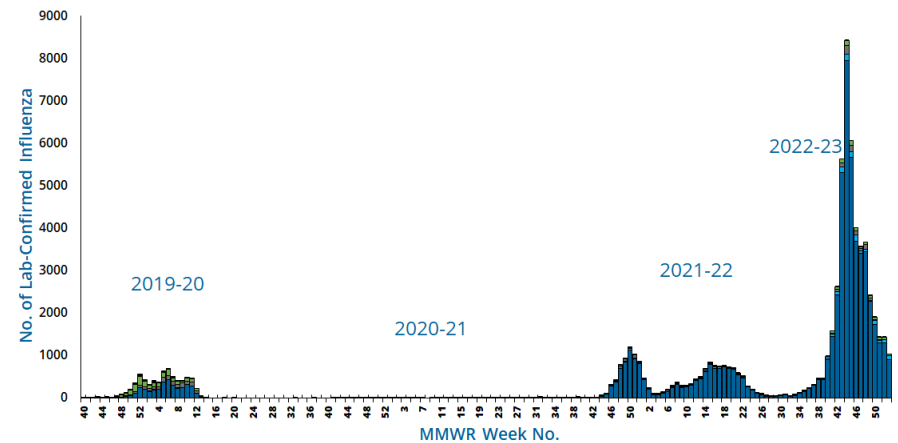


Cumulative



■ A not subtyped ■ A(H1N1) ■ A (H3) ■ B (lineage not determined) ■ B (YAM) ■ B (VIC) ■ Co-infection

## Laboratory-Confirmed Influenza Cases, 2019-20 Season to Present



■ A not subtyped ■ A(H1N1) ■ A (H3) ■ B (lineage not determined) ■ B (YAM) ■ B (VIC) ■ Co-infection

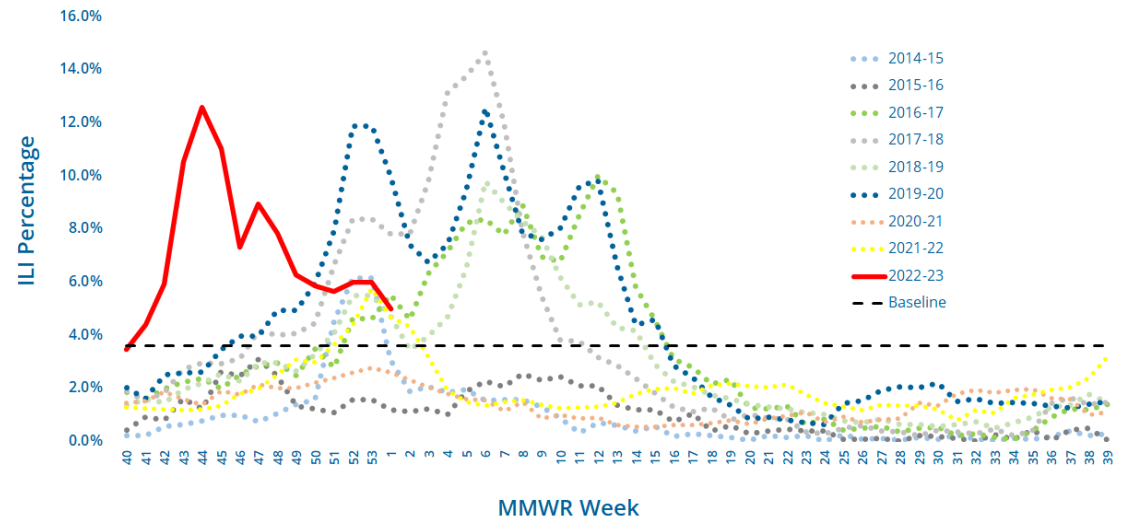
# Influenza-Like Illness (ILI) Surveillance

This week, the ILI activity level was **high** and **5.0%** of patient visits to SC ILINet providers were attributed to an influenza-like illness. This is **above** the state baseline of **3.6%**.

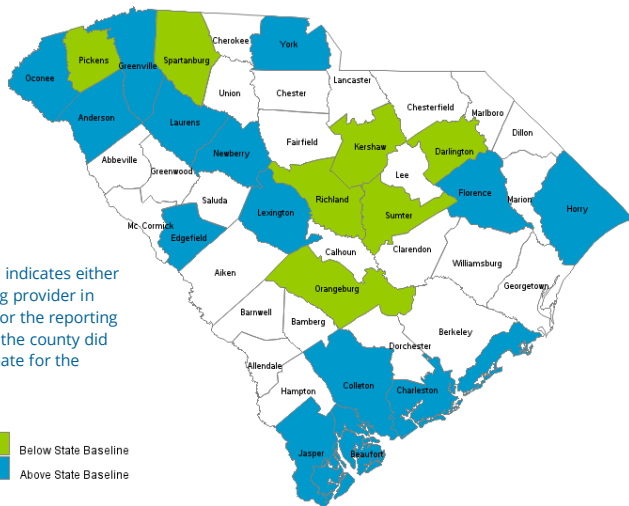
Reports were received from providers in **21** counties, representing all DHEC Public Health regions.

\*\*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, 2016-17 Influenza Season to Present



ILI ACTIVITY LEVELS: MINIMAL LOW MODERATE HIGH

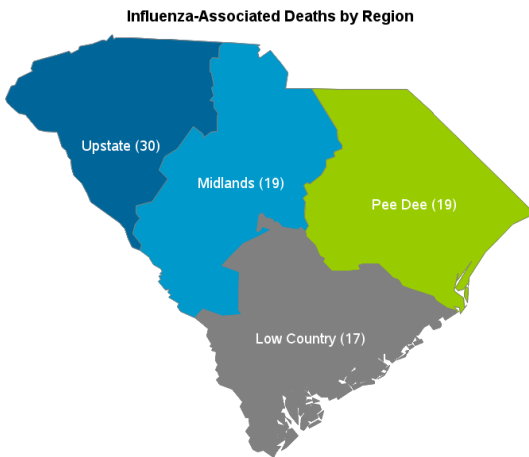
# Influenza-Associated Hospitalizations And Deaths

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	140(2.8)	--	1(0.1)	18(0.9)	46(4.6)	75(8.3)
2022-23	2714(53.4)	78(27.3)	112(13.6)	491(23.8)	604(59.9)	1429(158.5)
2021-22	227(4.1)	21(7.2)	10(1.2)	48(2.1)	33(3.0)	115(11.6)
2020-21	71(1.3)	2(0.7)	--	23(1.0)	13(1.2)	33(3.6)
5 season average	500(10.0)	29(10.2)	22(2.7)	89(4.3)	117(11.6)	242(26.8)

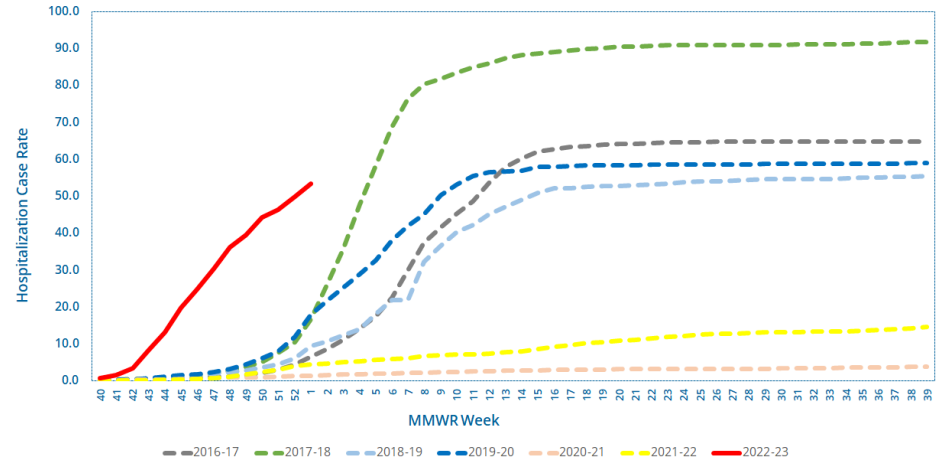
  

Influenza-Associated Deaths by Age Group*						
Influenza Season	No. of Deaths (Rate)					
	Overall	Ages 0-4	Ages 5-17	Ages 18-49	Ages 50-64	Ages 65+
This Week	1(0.0)	--	--	--	1(0.1)	--
2022-23	85(1.7)	--	4(0.5)	4(0.2)	20(2.0)	57(6.3)
2021-22	7(0.1)	--	--	--	1(0.1)	6(0.7)
2020-21	10(0.2)	--	--	2(0.1)	1(0.1)	7(0.8)
5 season average	20(0.4)	--	--	2(0.1)	4(0.4)	14(1.6)

\*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 2022-23 influenza season began on October 2, 2022 and will end on September 30, 2023.



Cumulative Hospitalization Rate for Past and Current Seasons



Reported Influenza-Associated Hospitalizations, 2020-21 Season to present

