

### Flu Watch

MMWR Week 14: April 2 to April 8, 2023

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

### **Geographic Spread**



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

### **Influenza Indicators**

Influenza Indicator	Change from Previous Week
Lab-confirmed tests	Decreased
ILI Percent	No Change
Hospitalizations	Increased

### Regional Influenza Activity



No Change



No Change



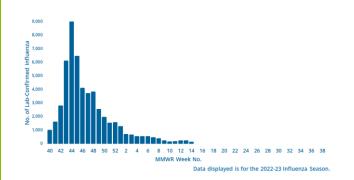
Decreased



Decreased

### Virologic Surveillance

This week **102** lab-confirmed tests were reported. In the current flu season, there have been **54,989** lab-confirmed tests reported.



### Influenza-Like Illness Surveillance

The percent of patient visits to sentinel providers for an influenza-like illness (ILI) was **2.1%**, which is **below** South Carolina's baseline (**3.6%**). The ILI activity level overall was **minimal**.

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## 0% 18-Mar 25-Mar 1-Apr 8-Apr Week Ending Data displayed is for 2022-23, Influenza Season.

### **Influenza-Associated Hospitalizations**

This week **16** influenza-associated hospitalizations were reported by **44** hospitals. The cumulative hospitalization rate is **62.1 per 100,000**. In the current flu season, there have been **3,153** influenza-associated hospitalizations.

#### **Influenza-Associated Deaths**

This week, **3** influenza-associated deaths were reported; however, all **3** deaths occurred during previous weeks. The cumulative mortality rate is **2.8 per 100,000**. In the current flu season, there have been **142** influenza-associated deaths.

For a description of South Carolina's influenza surveillance components and definitions go to: <a href="http://www.scdhec.gov/Health/DiseasesandConditions/InfectiousDiseases/Flu/FluData/">http://www.scdhec.gov/Health/DiseasesandConditions/InfectiousDiseases/Flu/FluData/</a>

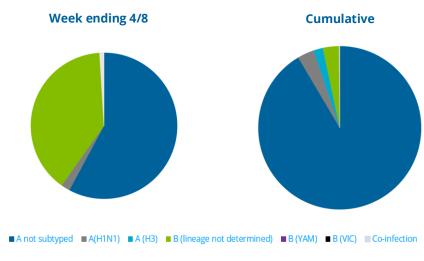
For national surveillance, please visit: <a href="https://www.cdc.gov/flu/weekly/">https://www.cdc.gov/flu/weekly/</a>

### **Virologic Surveillance**

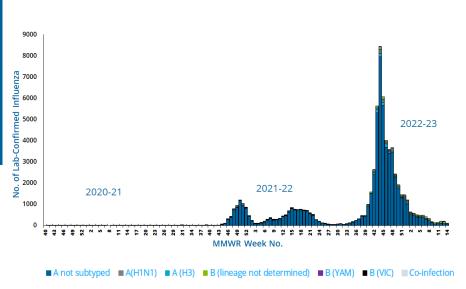
Lab-Confirmed Influenza Cases by Influenza Type to Date*							
	No. of Cases (%)						
Influenza Type	This Week	2022-23	2021-22	2020-21	5 season average		
Overall	102	54989	10356	121	5077		
Influenza A	61(59.8)	53143(96.6)	10059(97.1)	29(24.0)	4364(86.0)		
A(H3)		1020(1.9)	360(3.6)		298(6.8)		
A(H1N1)	2(3.3)	1818(3.4)	464 (4.6)	1(3.4)	445(10.2)		
A(NS)**	59(96.7)	50305(94.7)	9235(91.8)	28(96.6)	3621(83.0)		
Influenza B	40(39.2)	1773(3.2)	287(2.8)	87(71.9)	704(13.9)		
B (Victoria)					51(7.2)		
B(Yamagata)					11(1.6)		
B (LND) <sup>+</sup>	40(100.0)	1773(100.0)	287(100.0)	87(100.0)	642(91.2)		
Influenza Virus Coinfection <sup>§</sup>	1(1.0)	73(0.1)	10(0.1)	5(4.1)	9(0.2)		

<sup>\*</sup>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.

### Laboratory-Confirmed Influenza Cases, by Virus Type



### Laboratory-Confirmed Influenza Cases, 2020-21 Season to Present



<sup>\*\*</sup>NS - not subtyped +LND - lineage not determined

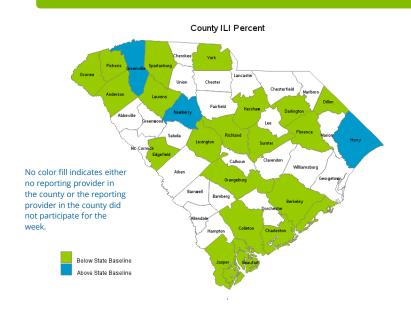
<sup>&</sup>lt;sup>§</sup>Cases with more than one influenza A subtype in the same sample or with influenza A and B viral types in the same sample simultaneously.

### Influenza-Like Illness (ILI) Surveillance

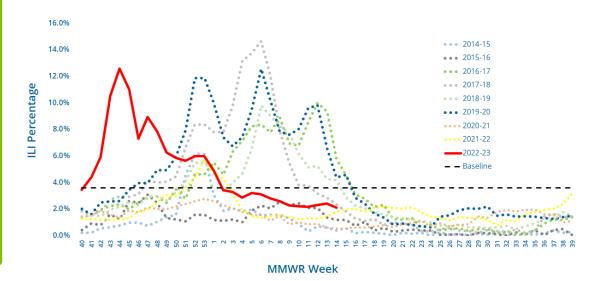
This week, the ILI activity level was **minimal** and **2.1%** of patient visits to SC ILINet providers were attributed to an influenza-like illness. This is **below** the state baseline of **3.6%**.

Reports were received from providers in **23** counties, representing all DHEC Public Health regions.

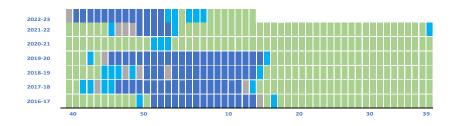
\*\*ILI percentage is dependent upon the number of reporting providers and/or can vary by disease activity or the number of providers submitting reports.\*\*



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



State ILI Activity Level by MMWR Week, 2016-17 Influenza
Season to Present



ILI ACTIVITY LEVELS: MINIMAL LOW MODERATE HIGH

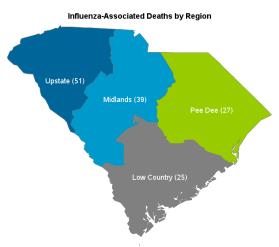
# Influenza-Associated Hospitalizations And Deaths

Influenza-Associated Hospitalizations by Age Group*						
	No. of Hospitalizations (Rate)					
Influenza Season	Overall	Ages 0-4	Ages 5-17	Ages 18-49	Ages 50-64	Ages 65+
This Week	16(0.3)		1(0.1)	1(0.1)	3(0.3)	11(1.2)
2022-23	3153(62.1)	85(29.8)	122(14.8)	560(27.2)	686(68.1)	1700(188.6)
2021-22	412(8.1)	26(9.1)	21(2.5)	87(4.2)	87(8.6)	191(21.2)
2020-21	143(2.8)	2(0.7)		43(2.1)	32(3.2)	66(7.3)
5 season average	2075(41.9)	91(31.5)	84(10.4)	339(16.6)	520(52.5)	1041(126.5)

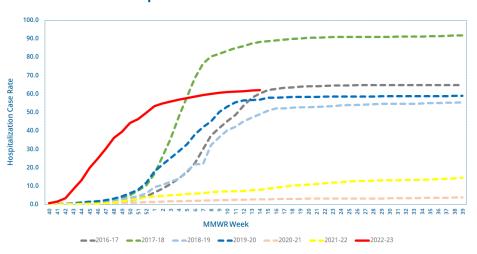
#### Influenza-Associated Deaths by Age Group\*

	No. of Deaths (Rate)					
Influenza Season	Overall	Ages 0-4	Ages 5-17	Ages 18-49	Ages 50-64	Ages 65+
This Week						
2022-23	142(2.8)		5(0.6)	7(0.3)	30(3.0)	100(11.1)
2021-22	21(0.4)			1(0.1)	6(0.6)	14(1.6)
2020-21	18(0.4)			2(0.1)	2(0.2)	14(1.6)
5 season average	109(2.2)	1(0.3)		12(0.6)	23(2.3)	73(8.9)

\*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

