

Flu Watch

MMWR Week 39: September 25th to October 1st, 2022

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

Geographic Spread



Influenza Indicators

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

Regional Influenza Activity



No Change



Increase



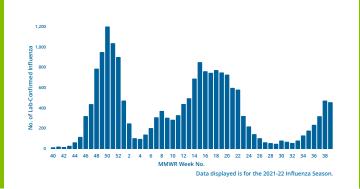
Increase



Increase

Virologic Surveillance

This week **452** lab-confirmed tests were reported. In the current flu season, there have been **19,123** lab-confirmed tests reported.



Influenza-Like Illness Surveillance

The percent of patient visits to sentinel providers for an influenza-like illness (ILI) was **3.2%**, which is **below** South Carolina's baseline (**3.6%**). The ILI activity level overall was **low**.

3% 3% 1% 1% 0% 10-Sep 17-Sep 24-Sep 1-Oct

Influenza-Associated Hospitalizations

This week **16** influenza-associated hospitalizations were reported by **37** hospitals. The cumulative hospitalization rate is **14.7 per 100,000**. In the current flu season, there have been **745** influenza-associated hospitalizations.

Influenza-Associated Deaths

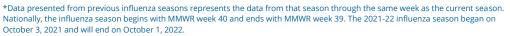
This week, **1** influenza-associated death was reported; however, the death occurred during a previous week. The cumulative mortality rate is **0.7 per 100,000**. In the current flu season, there have been **36** influenza-associated deaths.

For a description of South Carolina's influenza surveillance components and definitions go to: https://www.scdhec.gov/FluWatch

For national surveillance, please visit: https://www.cdc.gov/flu/weekly/

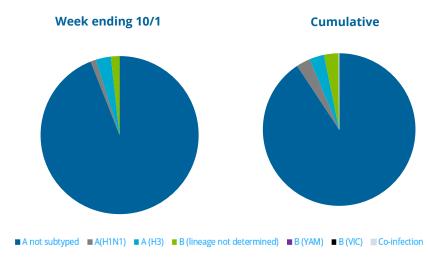
Virologic Surveillance

Lab-Confirmed Influenza Cases by Influenza Type to Date*									
	No. of Cases (%)								
Influenza Type	This Week	2021-22	2020-21	2019-20	5 season average				
Overall	452	19,123	310	6,727	3,626				
Influenza A	444(98.2)	18512(96.8)	116(37.4)	4730(70.3)	2752(75.9)				
A(H3)	14(3.2)	599(3.2)		40(0.8)	321(11.7)				
A(H1N1)	5(1.1)	567(3.1)	7(6.0)	1121(23.7)	376(13.7)				
A(NS)**	425(95.7)	17346(93.7)	109(94.0)	3569(75.5)	2055(74.7)				
Influenza B	8(1.8)	589(3.1)	189(61.0)	1987(29.6)	866(23.9)				
B (Victoria)				249(12.5)	52(6.0)				
B(Yamagata)				6(0.3)	12(1.4)				
B (LND) ⁺	8(100.0)	589(100.0)	189(100.0)	1732(87.2)	802(92.6)				
Influenza Virus Coinfection [§]	-	22(0.1)	5(1.6)	9(0.1)	8(0.2)				

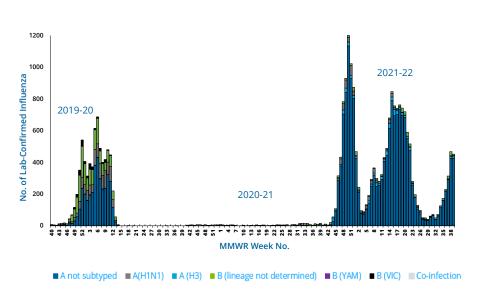


^{**}NS - not subtyped +LND - lineage not determined

Laboratory-Confirmed Influenza Cases, by Virus Type



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



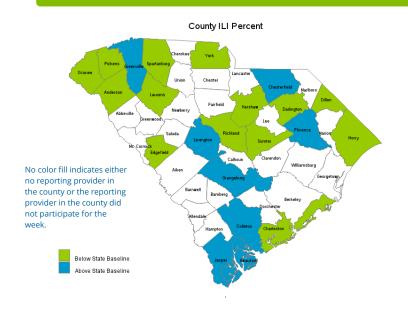
⁵Cases with more than one influenza A subtype in the same sample or with influenza A and B viral types in the same sample simultaneously.

Influenza-Like Illness (ILI) Surveillance

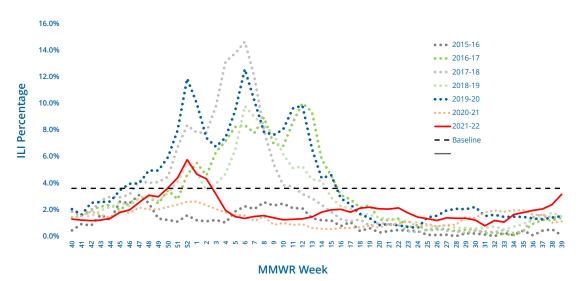
This week, the ILI activity level was **low** and **3.2%** of patient visits to SC ILINet providers were attributed to an influenza-like illness. This is **below** the state baseline of **3.6%**.

Reports were received from providers in **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.

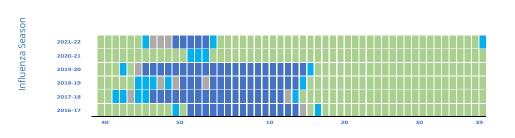


Percentage of Influenza-like Illness (ILI) Visits Reported by Sentinel Providers for Past and Current Seasons



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

Season to Present



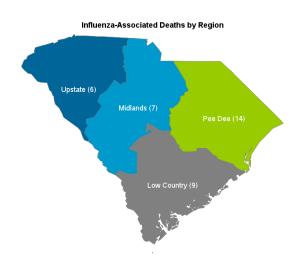
ILI ACTIVITY LEVELS: MINIMAL LOW MODERATE HIGH

Influenza-Associated Hospitalizations And Deaths

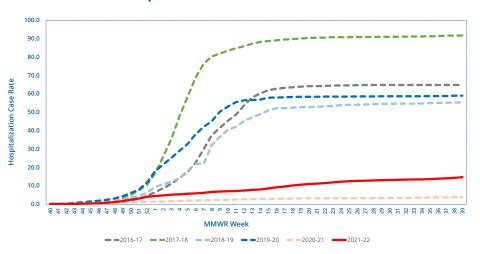
Influenza-Associated Hospitalizations by Age Group*									
	No. of Hospitalizations (Rate)								
Influenza Season	Overall	Ages 0-4	Ages 5-17	Ages 18-49	Ages 50-64	Ages 65+			
This Week	16(0.3)	1(0.3)	3(0.4)	2(0.1)	3(0.3)	7(0.8)			
2021-22	745(14.7)	37(12.5)	37(4.5)	171(8.2)	155(15.4)	342(39.1)			
2020-21	196(3.9)	2(0.7)		58(2.8)	41(4.1)	95(11.0)			
2019-20	3021(60.9)	160(54.8)	147(18.2)	631(30.9)	856(86.4)	1227(147.9)			
5 season average	2622(53.9)	114(39.3)	110(13.8)	414(20.5)	643(66.0)	1341(173.4)			

Influenza-Associated Deaths by Age Group* No. of Deaths (Rate) Influenza **Ages Ages** Ages **Ages** Ages Season **Overall** 0-4 5-17 18-49 50-64 65+ This Week 1(0.0) 1(0.1) 2021-22 1(0.1) 10(1.0) 23(2.6) 36(0.7) 2(0.2)2020-21 18(0.4) 2(0.1) 2(0.2) 14(1.6) 2019-20 140(2.8) 24(1.2) 36(3.6) 79(9.0) 1(0.1) 5 season 130(2.6) 1(0.4) 14(0.7) 26(2.6) 88(10.5) 1(0.1) average

*Data presented from previous influenza seasons represents the data from that season through the same week as the current season. Nationally, the influenz season begins with MMWR week 40 and ends with MMWR week 39. The 2021-22 influenza season began on October 3, 2021 and will end on October 1, 2022.



Cumulative Hospitalization Rate for Past and Current Seasons



Reported Influenza-Associated Hospitalizations, 2019-20 Season to present

