

Flu Watch

MMWR Week 32: August 2 to August 8, 2020

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

Geographic Spread

South Carolina reported **no activity** this week.

Virologic Surveillance

This week **0** lab-confirmed test was reported.

In the current flu season, there have been

6712 lab-confirmed tests reported.

Influenza Activity



Overall, there was no change in influenza activity this week.



Data displayed is for the 2019-20 Influenza Season.

3% 2% 1% 1% 1% 1% 1% 18-jul 25-jul 1-Aug 8-Aug Week Ending Data displayed is for 2019-20, Influenza Season.

Influenza-Associated Hospitalizations

This week **0** influenza-associated hospitalization was reported by **26** hospitals. The cumulative hospitalization rate is **58.7 per 100,000**. In the current flu season, there have been **2984** influenza-associated hospitalizations.

Regional Influenza Activity



Influenza-Like Illness Surveillance

The percent of patient visits to sentinel providers for an influenza-like illness (ILI) was **1.7%**, which is **below** South Carolina's baseline **(3.6%)**. The ILI activity level overall was **minimal**.

Influenza-Associated Deaths

This week **1** influenza-associated death was reported however, this death occurred during previous weeks. The cumulative mortality rate is **2.7 per 100,000**. In the current flu season, there have been **139** influenza-associated deaths.

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

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

Influenza Activity*

In the 4 Public Health Regions, activity showed...



*Indicators for assessing influenza activity include: lab-confirmed tests, ILI percent, and hospitalizations.

Virologic Surveillance

Lab-Confirmed Influenza Cases by Influenza Type To Date*								
		No. of Cases (%)						
Influenza Type	This Week	2019-20	2018-19	2017-18	5 season average			
Overall	0	6712	4608	3806	2633			
Influenza A	0(0.0)	4720(70.3)	4453(96.6)	2693(70.7)	2116(80.4)			
A(H3)		40(0.8)	589(13.2)	537(19.9)	407(19.2)			
A(H1N1)		1119(23.7)	371(8.3)	219(8.1)	250(11.8)			
A(NS)*		3561(75.5)	3493(78.5)	1937(71.9)	1459(69.0)			
Influenza B	0(0.0)	1982(29.5)	142(3.1)	1102(29.0)	517(19.6)			
B (Victoria)		249(12.6)	3(2.1)	2(0.2)	1(0.2)			
B(Yamagata)		6(0.3)		54(4.9)	11(2.1)			
B (LND) ⁺		1727(87.1)	139(97.9)	1046(94.9)	505(97.7)			
Influenza Virus Co-infection**	0(0.0)	10(0.2)	13(0.3)	11(0.3)	N/A			
*NS – not subtyped *LND – lineage not determined								

*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 2019-20 influenza season began on September 29, 2019 and will end on September 26, 2020.

**Cases with more than one influenza A subtype in the same sample or influenzas A and B in the same sample simultaneously.

Laboratory-Confirmed Influenza Cases, by Virus Type





Influenza-Like Illness Surveillance

This week, the ILI activity level was **minimal** and **1.7%** of patient visits to SC ILINet providers was attributed to an influenza-like illness. This is **below** the state baseline, **3.6%**.

Reports were received from providers in **13** 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.





MMWR Week



ILI ACTIVITY LEVELS: MINIMAL LOW MODERATE HIGH



Influenza-Associated Hospitalizations and Deaths

			Cumul	ative Hospit	alization R	ate		
	_⊻ 160.0			by Age Gr	oup		10	
	⁰ 140.0				_		9	z
5	140.0 Jac 120.0						8	No. of Hospitalizations
	្ម្ <u>ទ</u> ្ធ 100.0						6	ospital
9.3)	0.100.0 80.0 60.0 40.0 20.0						5	izatior
1.5) 0.1)	호 안 60.0						4	
2.1)	40.0						3 2	reported
2.1)	20.0						1	
	0.0						0	
		11-Jul	18-Jul	25-Jul Week Ending	1-Aug	8-Aug		
-								







Year-MMWR Week

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	0(0.0)							
2019-20	2984(58.7)	160(53.9)	145(17.7)	630(30.3)	851(84.3)	1219(139.3)		
2018-19	2751(54.8)	129(43.9)	127(15.7)	423(20.6)	676(67.7)	1396(161.5)		
2017-18	4518(91.1)	159(54.5)	141(17.5)	590(28.9)	1056(106.5)	2572(310.1)		
5 season average	2902(59.2)	153(52.6)	129(16.1)	428(21.1)	659(67.1)	1533(192.1)		

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	0(0.0)						
2019-20	139(2.7)		1(0.1)	24(1.2)	36(3.6)	78(8.9)	
2018-19	104(2.1)	2(0.7)	1(0.1)	8(0.4)	26(2.6)	67(7.7)	
2017-18	291(5.9)	3(1.0)		27(1.3)	52(5.2)	209(25.2)	
5 season average	134(2.8)	1(0.4)	1(0.1)	12(0.6)	25(2.6)	95(11.9)	

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