

Geographic Spread



South Carolina reported widespread activity this week. This is the sixth consecutive week at widespread activity.

Influenza Activity



Overall, there was a decrease in influenza activity this week.

Regional Influenza Activity



Decrease



Increase



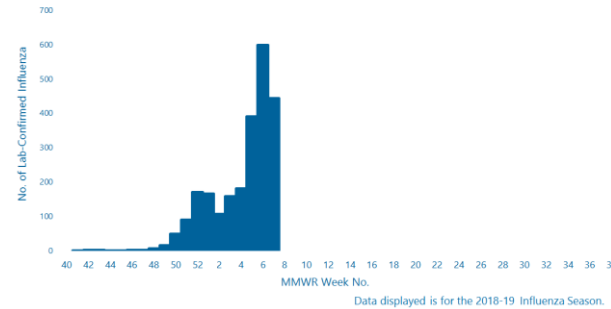
Decrease



Increase

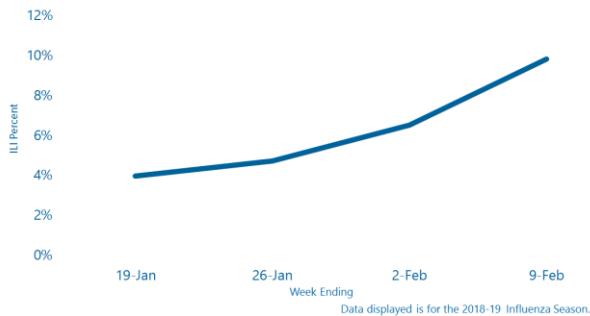
Virologic Surveillance

This week there were **445** lab-confirmed tests reported. Influenza A was most frequently reported. In the current flu season, there has been **2396** lab-confirmed tests reported.



Influenza-Like Illness Surveillance

The percent of patient visits to sentinel providers for an influenza-like illness (ILI) was 9.8%, which is above South Carolina's baseline (3.53%). The ILI activity level overall was **high**.



Influenza-Associated Hospitalizations

This week 183 influenza-associated hospitalizations were reported by 41 hospitals. The cumulative hospitalization rate is 21.9 per 100,000. In the current flu season, there have been 1101 influenza-associated hospitalizations.

Influenza-Associated Deaths

This week 4 influenza-associated deaths were reported; however, 1 death occurred during previous weeks. The cumulative mortality rate is 0.6 per 100,000. In the current flu season, there have been 29 influenza-associated deaths.

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

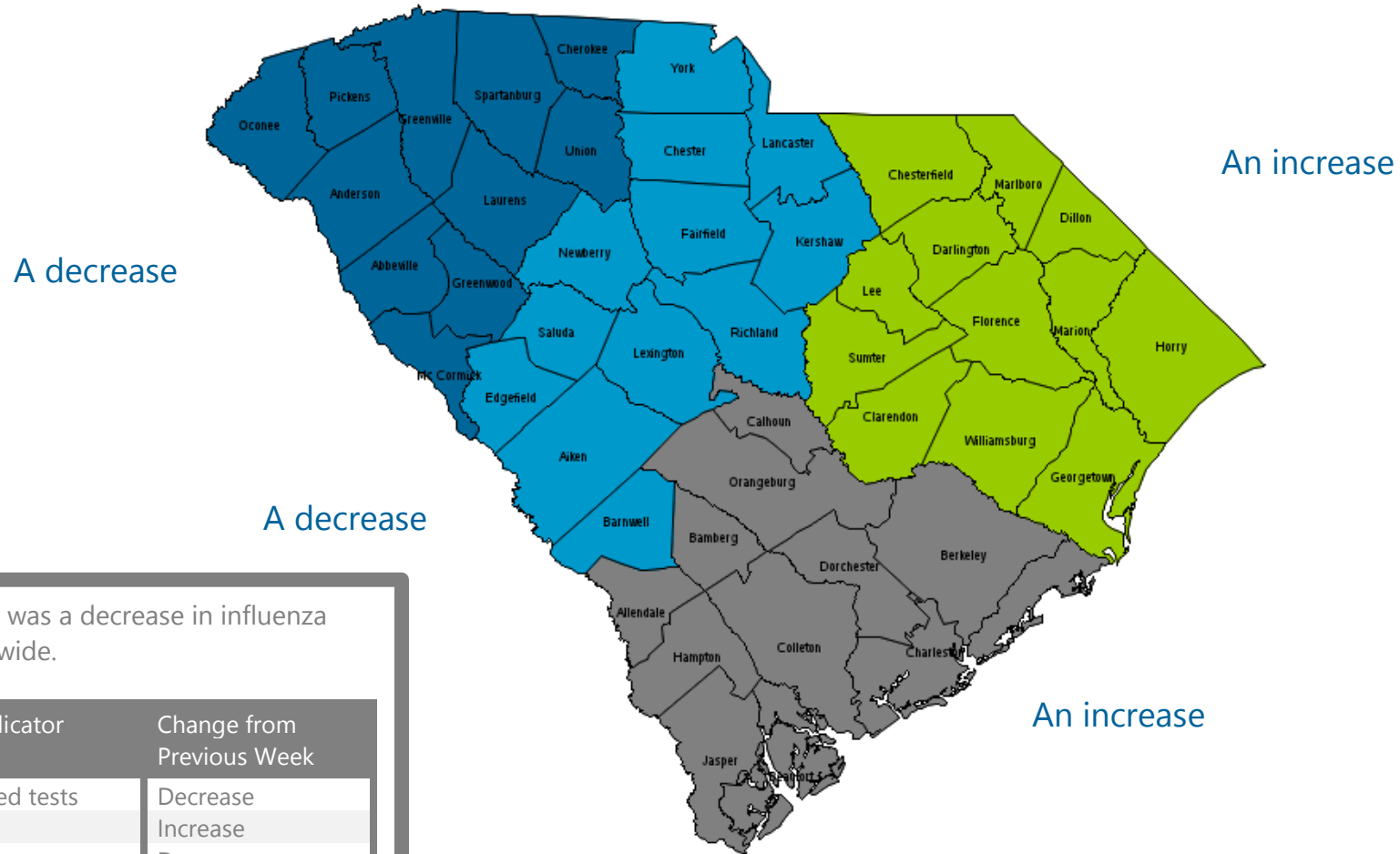
<http://www.scdhec.gov/Health/DiseasesandConditions/InfectiousDiseases/Flu/FluData/>

For national surveillance, please visit:

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

Influenza Activity*

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



Overall there was a decrease in influenza activity statewide.

Influenza Indicator	Change from Previous Week
Lab-confirmed tests	Decrease
ILI Percent	Increase
Hospitalizations	Decrease

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

Virologic Surveillance

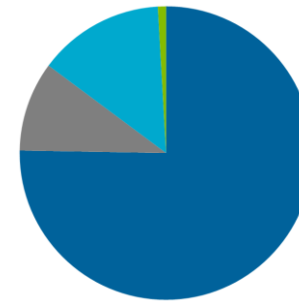
Influenza Type	Season Totals To Date				
	This Week	2018-19	2017-18	2016-17	5 season average
Overall	445	2396	2598	805	972
Influenza A	441 (97.8)	2316(96.7)	1988(79.6)	586(72.8)	797(82.1)
A(H3)	62 (14.1)	273(11.8)	469(23.6)	198(33.8)	197(24.7)
A(H1N1)	44 (10.0)	272(11.7)	141(7.1)	39(6.7)	156(19.6)
A(NS) [*]	335 (76.0)	1771(76.5)	1378(76.5)	349(59.6)	444(55.7)
Influenza B	4 (2.2)	80(3.4)	610(23.5)	219(27.2)	174(17.9)
B (Victoria)	--	--	1 (0.2)	--	0.2 (0.1)
B (Yamagata)	--	--	39(6.4)	--	7.8 (4.5)
B (LND) ⁺	4 (100)	80(100)	570(93.4)	219(100)	166(95.4)

*NS – not subtyped

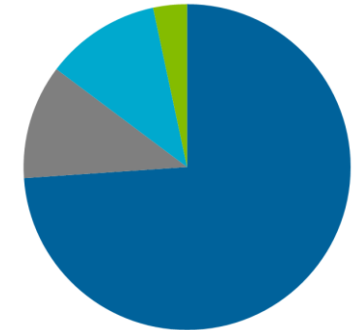
+LND – lineage not determined

Nationally, the influenza season begins with MMWR week 40 and ends with MMWR week 39. The 2018-19 influenza season began on September 30, 2018 and will end on September 28, 2019.

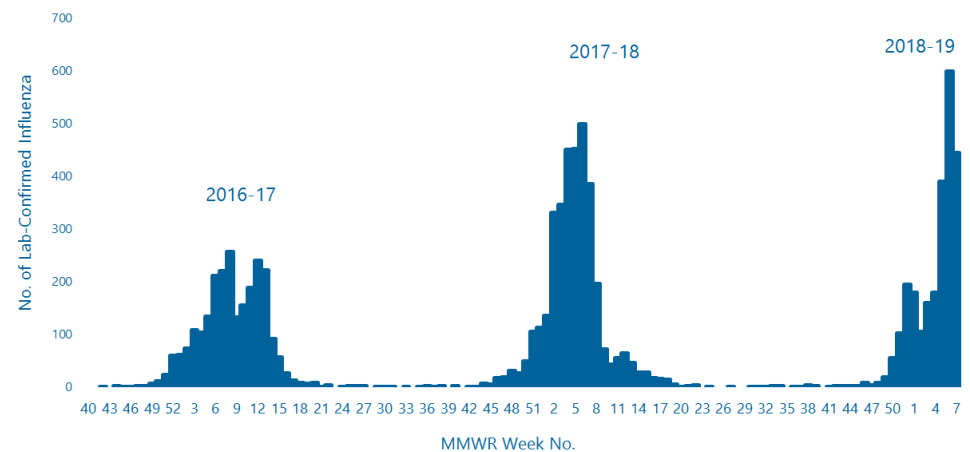
Week ending 2/9



Cumulative



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



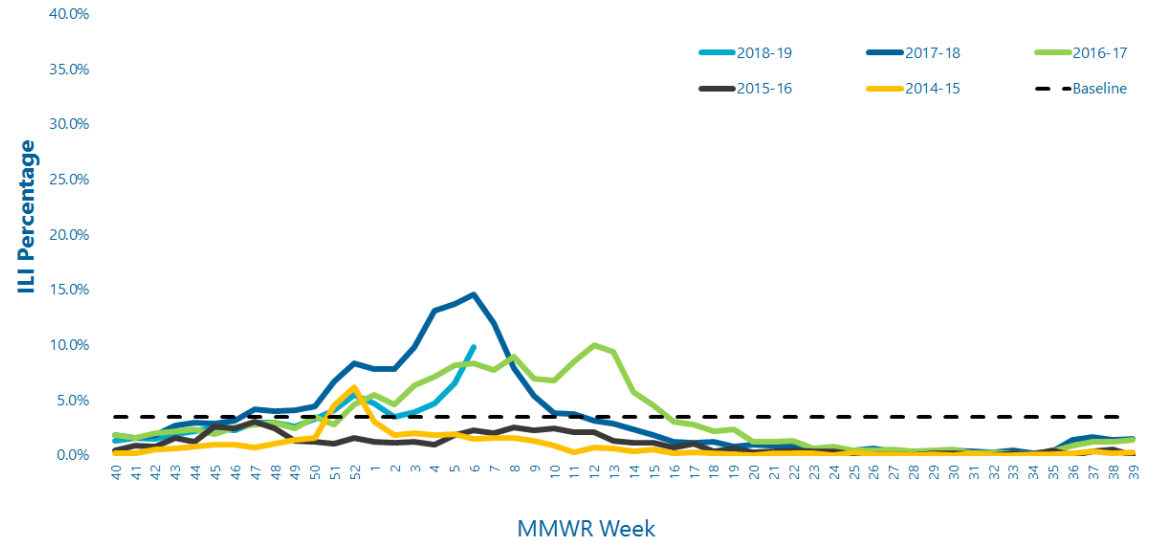
Influenza-Like Illness Surveillance

This week, the ILI activity level was **high** and 9.8% of patient visits to SC ILINet providers was attributed to an influenza-like illness. This is above the state baseline, 3.53%.

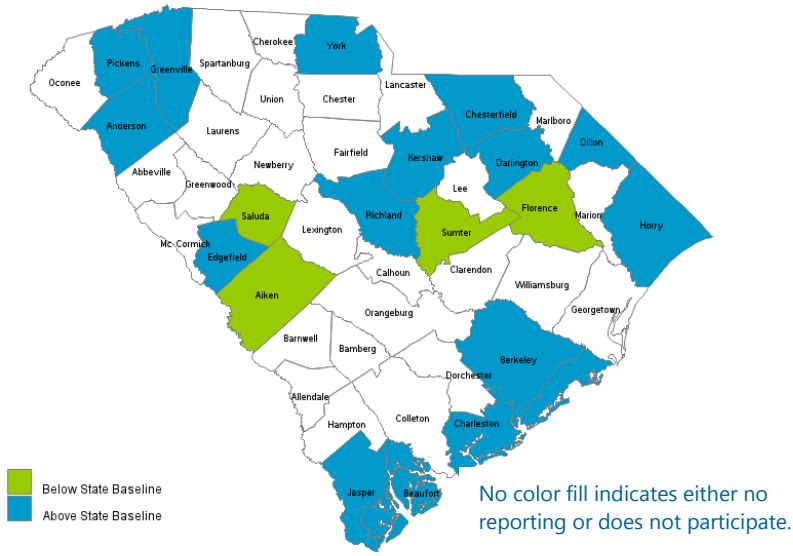
Reports were received from providers in 19 counties, representing all DHEC Public Health regions.

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



State ILI Activity Level 2018-19 Calendar by Week of the Year

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
40	40	44	48	1	5	9	14	18	22	27	31	36
41	41	45	49	2	6	10	15	19	23	28	32	37
42	42	46	50	3	7	11	16	20	24	29	33	38
43	43	47	51	4	8	12	17	21	25	30	34	39
			52			13			26		35	

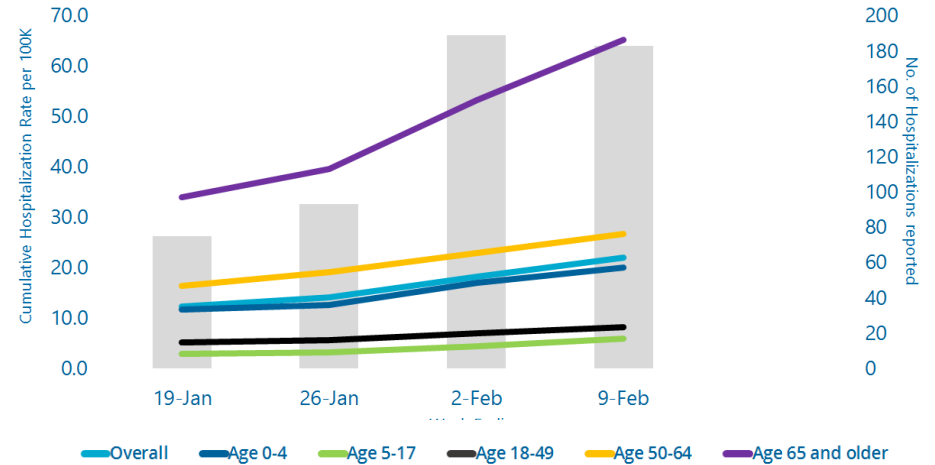
ILI ACTIVITY LEVELS: MINIMAL LOW MODERATE HIGH

No color fill indicates either no reporting or does not participate.

Influenza-Associated Hospitalizations And Deaths

Hospitalizations No. (Rate)	Overall	Ages 0-4	Ages 5-17	Ages 18-49	Ages 50-64	Ages 65+
This Week	183(3.6)	9(3.1)	13(1.6)	24(1.1)	35(3.5)	102(11.8)
2018-19	1101(21.9)	59(20.0)	48(5.9)	167(8.1)	265(26.5)	564(65.2)
2017-18	4323(68.1)	115(39.2)	91(11.2)	426(20.7)	766(76.7)	2025(234.2)
2016-17	784(15.8)	39(13.4)	42(5.2)	126(6.2)	191(19.3)	386(46.5)
5 season average	1649(33.5)	89(30.4)	62(7.7)	258(12.7)	382(39.0)	858(105.8)

Deaths No. (Rate)	Overall	Ages 0-4	Ages 5-17	Ages 18-49	Ages 50-64	Ages 65+
This Week	3(0.2)	--	--	1 (0.1)	--	2 (0.2)
2018-19	29 (0.6)	2(0.7)	--	2(0.1)	10(1.0)	15(1.7)
2017-18	199(4.0)	1(0.3)	--	18(0.9)	38(3.8)	142(16.4)
2016-17	21(0.4)	0	1(0.1)	1(0.0)	2(0.2)	17(2.0)
5 season average	80(1.6)	0 (0.1)	1 (0.1)	8(0.4)	14(1.4)	56(6.9)



Influenza-Associated Deaths by Region

