

## Geographic Spread



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

## Influenza Activity



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

## Regional Influenza Activity



Decrease



No change



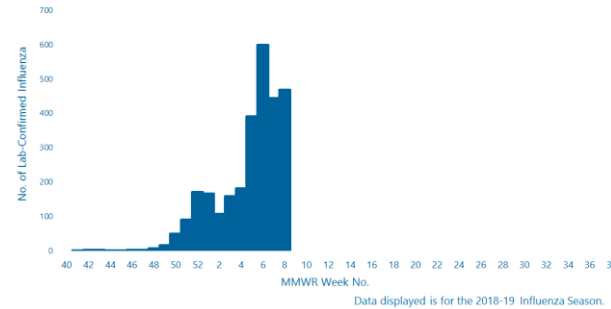
Decrease



No change

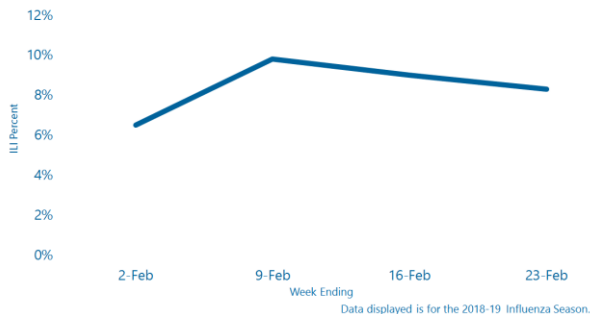
## Virologic Surveillance

This week there were **469** lab-confirmed tests reported. Influenza A was most frequently reported. In the current flu season, there have been **2865** lab-confirmed tests reported.



## Influenza-Like Illness Surveillance

The percent of patient visits to sentinel providers for an influenza-like illness (ILI) was 8.3%, which is above South Carolina's baseline (3.53%). The ILI activity level overall was **high**.



## Influenza-Associated Hospitalizations

This week 223 influenza-associated hospitalizations were reported by 51 hospitals. The cumulative hospitalization rate is 32.2 per 100,000. In the current flu season, there have been 1618 influenza-associated hospitalizations.

## Influenza-Associated Deaths

This week 4 influenza-associated deaths were reported; however, 3 deaths occurred during previous weeks. The cumulative mortality rate is 0.9 per 100,000. In the current flu season, there have been 43 influenza-associated deaths.

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

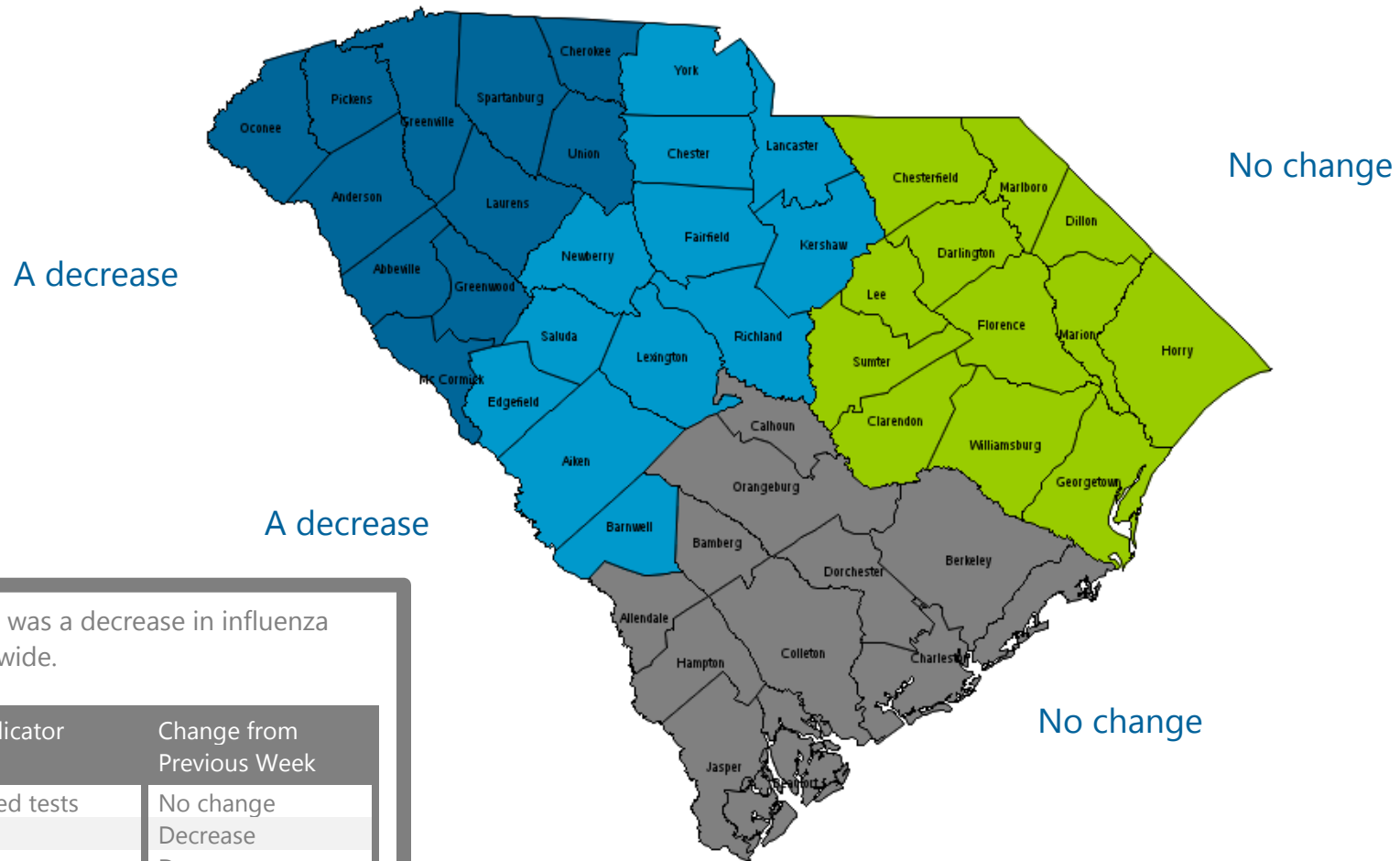
<http://www.scdhec.gov/Health/DiseasesandConditions/InfectiousDiseases/Flu/FluData/>

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	No change
ILI Percent	Decrease
Hospitalizations	Decrease

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

# Virologic Surveillance

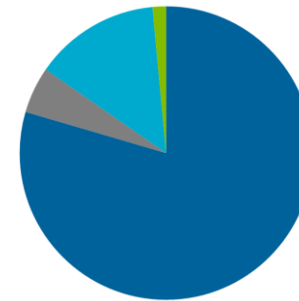
Influenza Type	Season Totals To Date					
	No. (%)	This Week	2018-19	2017-18	2016-17	5 season average
Overall		469	2865	3181	1284	1244
Influenza A		462 (98.5)	2778(97.0)	2303(72.4)	927(72.2)	974(78.7)
A(H3)		65 (14.1)	338(12.1)	508(22.1)	267(28.8)	224(22.9)
A(H1N1)		24 (5.2)	296(10.7)	182(7.9)	55(5.9)	192(19.7)
A(NS) <sup>*</sup>		373 (80.7)	2144(77.2)	1613(70.0)	605(65.3)	562(57.4)
Influenza B		7 (1.5)	87(3.0)	878(27.6)	357(27.8)	265(21.3)
B (Victoria)		--	--	1 (0.1)	--	0.2 (0.1)
B (Yamagata)		--	--	48(5.5)	--	9.6 (3.6)
B (LND) <sup>+</sup>		7 (100)	87(100)	829(94.4)	357(100)	255(96.3)

\*NS – not subtyped

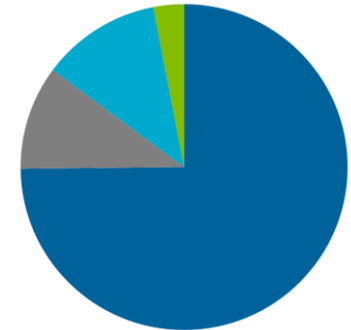
+LND – lineage not determined

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.

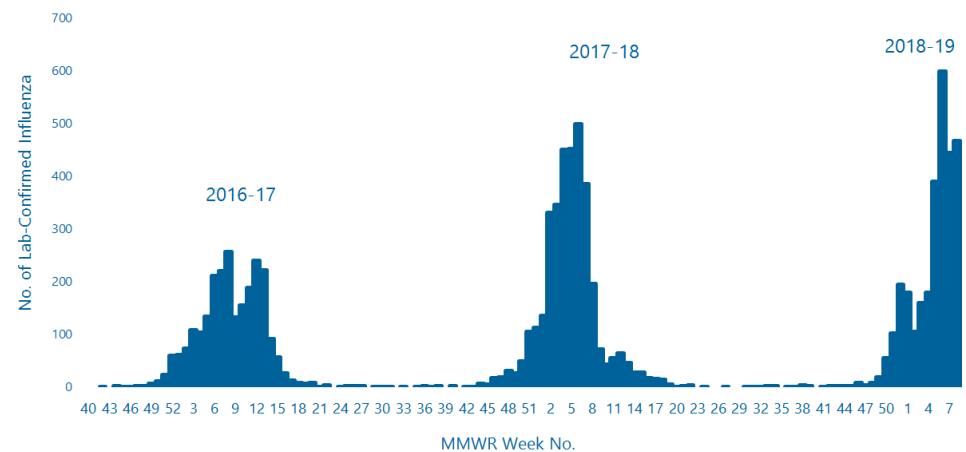
Week ending 2/23



Cumulative



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



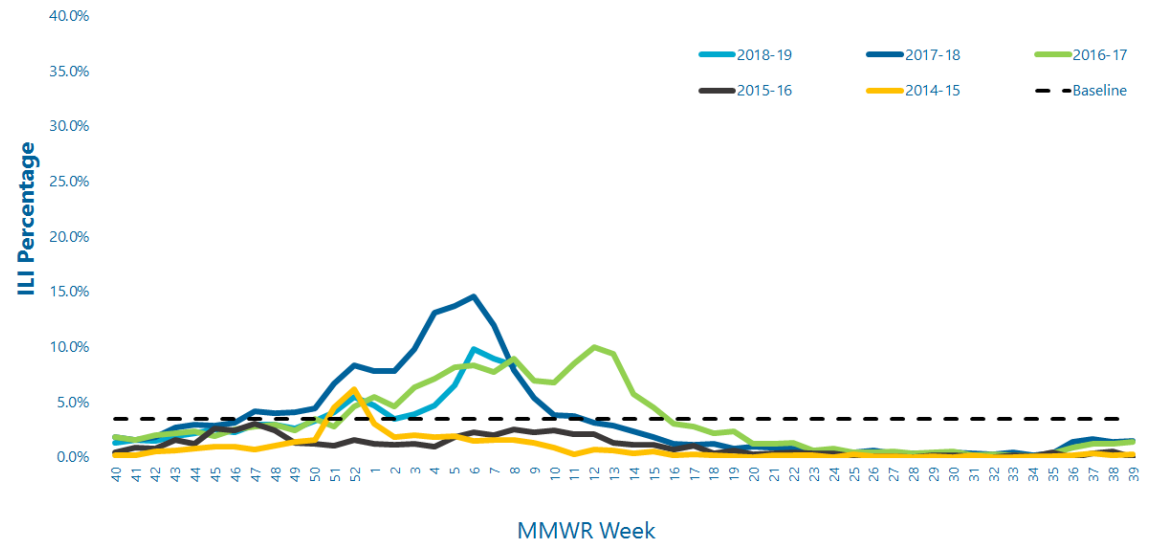
## Influenza-Like Illness Surveillance

This week, the ILI activity level was **high** and 8.3% of patient visits to SC ILINet providers was attributed to an influenza-like illness. This is above the state baseline, 3.53%.

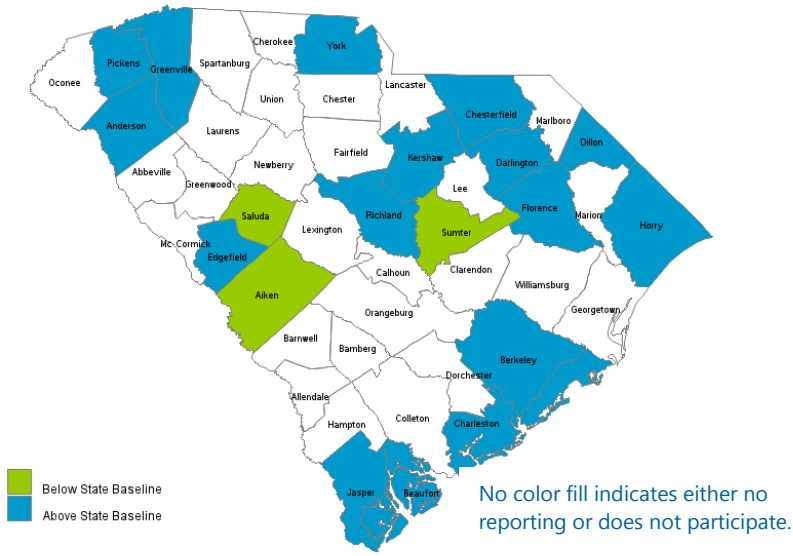
Reports were received from providers in 19 counties, representing all DHEC Public Health regions.

\*\*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

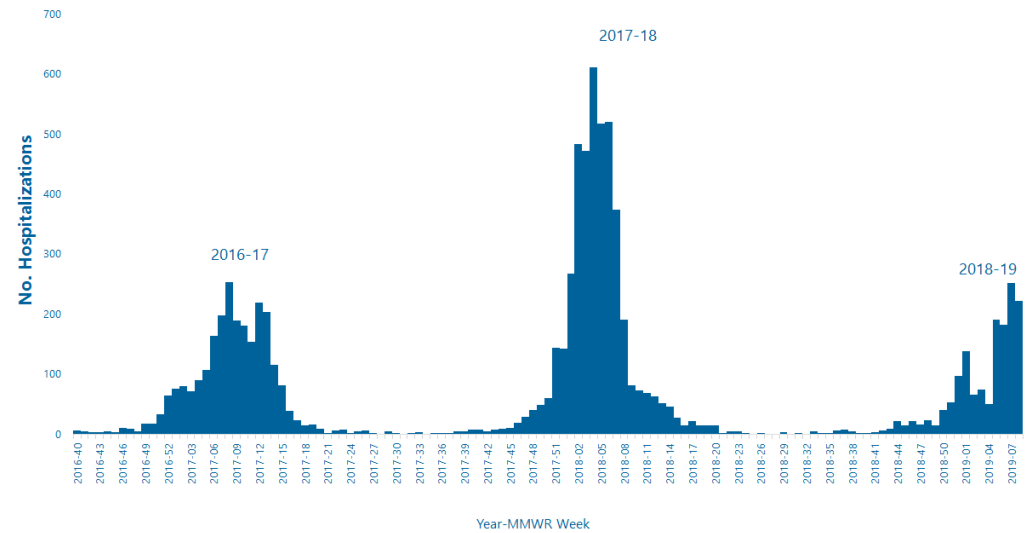
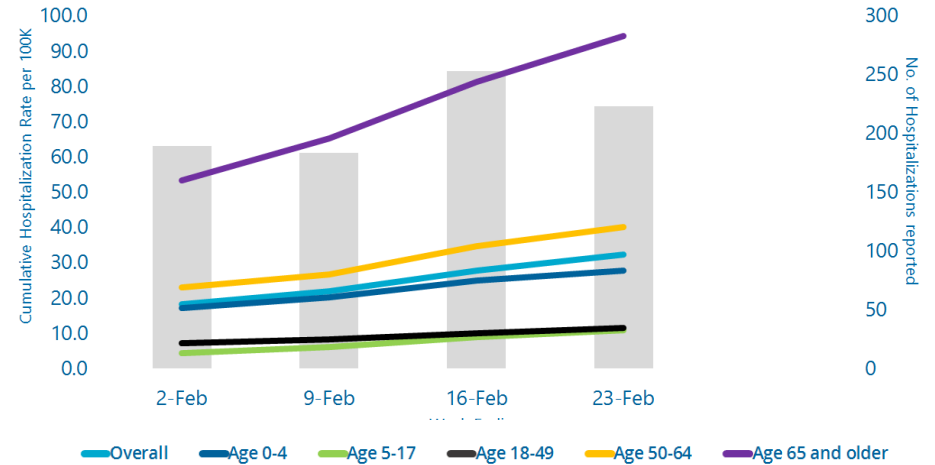
	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
40	40	44	48	1	5	9	14	18	22	27	31	36
41	41	45	49	2	6	10	15	19	23	28	32	37
42	42	46	50	3	7	11	16	20	24	29	33	38
43	43	47	51	4	8	12	17	21	25	30	34	39
			52			13			26		35	

ILI ACTIVITY LEVELS: MINIMAL LOW MODERATE HIGH

# 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	223(4.4)	8(42.7)	15(1.9)	34(1.7)	54(5.4)	112(13.0)
2018-19	1618(32.2)	81(27.6)	87(10.7)	236(11.5)	400(40.0)	814(94.2)
2017-18	3989(25.7)	141(15.7)	119(5.2)	513(8.0)	913(26.5)	2303(89.8)
2016-17	1236(7.0)	50(5.8)	64(2.2)	173(2.8)	303(9.4)	646(19.8)
5 season average	1994(40.6)	107(36.9)	79(9.9)	313(15.4)	468(47.7)	1025(126.5)

Deaths No. (Rate)	Overall	Ages 0-4	Ages 5-17	Ages 18-49	Ages 50-64	Ages 65+
This Week	1(0.02)	--	--	--	--	1 (0.04)
2018-19	43 (0.9)	2(0.7)	--	3(0.2)	12(1.2)	26(3.0)
2017-18	243(4.8)	3(1.0)	--	22(1.1)	45(4.5)	173(20.0)
2016-17	40(0.8)	0	1(0.1)	3(0.1)	6(0.6)	30(3.6)
5 season average	99(2.0)	1 (0.3)	1 (0.1)	11(0.6)	17(1.8)	69(8.4)



Influenza-Associated Deaths by Region

