Flu Watch

MMWR Week 10: March 3 to March 9, 2019

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

S.C. Department of Health and Environmental Control

Geographic Spread

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

Influenza Activity

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

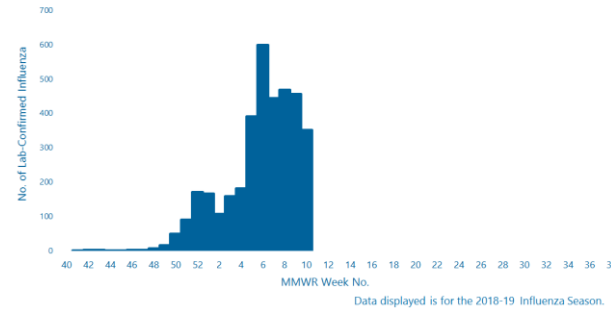## Regional Influenza Activity

Decrease

No change

Decrease

Decrease

Virologic Surveillance

This week there were **352** lab-confirmed tests reported. Influenza A was most frequently reported. In the current flu season, there have been **3674** lab-confirmed tests reported.

Data displayed is for the 2018-19 Influenza Season.

Influenza-Like Illness Surveillance

The percent of patient visits to sentinel providers for an influenza-like illness (ILI) was 5.9%, which is above South Carolina's baseline (3.53%). The ILI activity level overall was high.

Data displayed is for the 2018-19 Influenza Season.
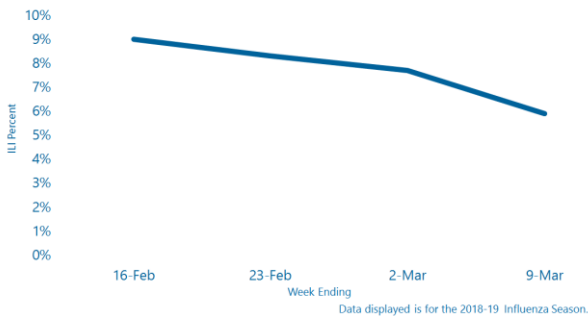
Influenza-Associated Hospitalizations

This week 194 influenza-associated hospitalizations were reported by 64 hospitals. The cumulative hospitalization rate is 40.4 per 100,000. In the current flu season, there have been 2034 influenza-associated hospitalizations.

Influenza-Associated Deaths

This week 11 influenza-associated deaths were reported; however, 6 deaths occurred during previous weeks. The cumulative mortality rate is 1.3 per 100,000. In the current flu season, there have been 63 influenza-associated deaths.

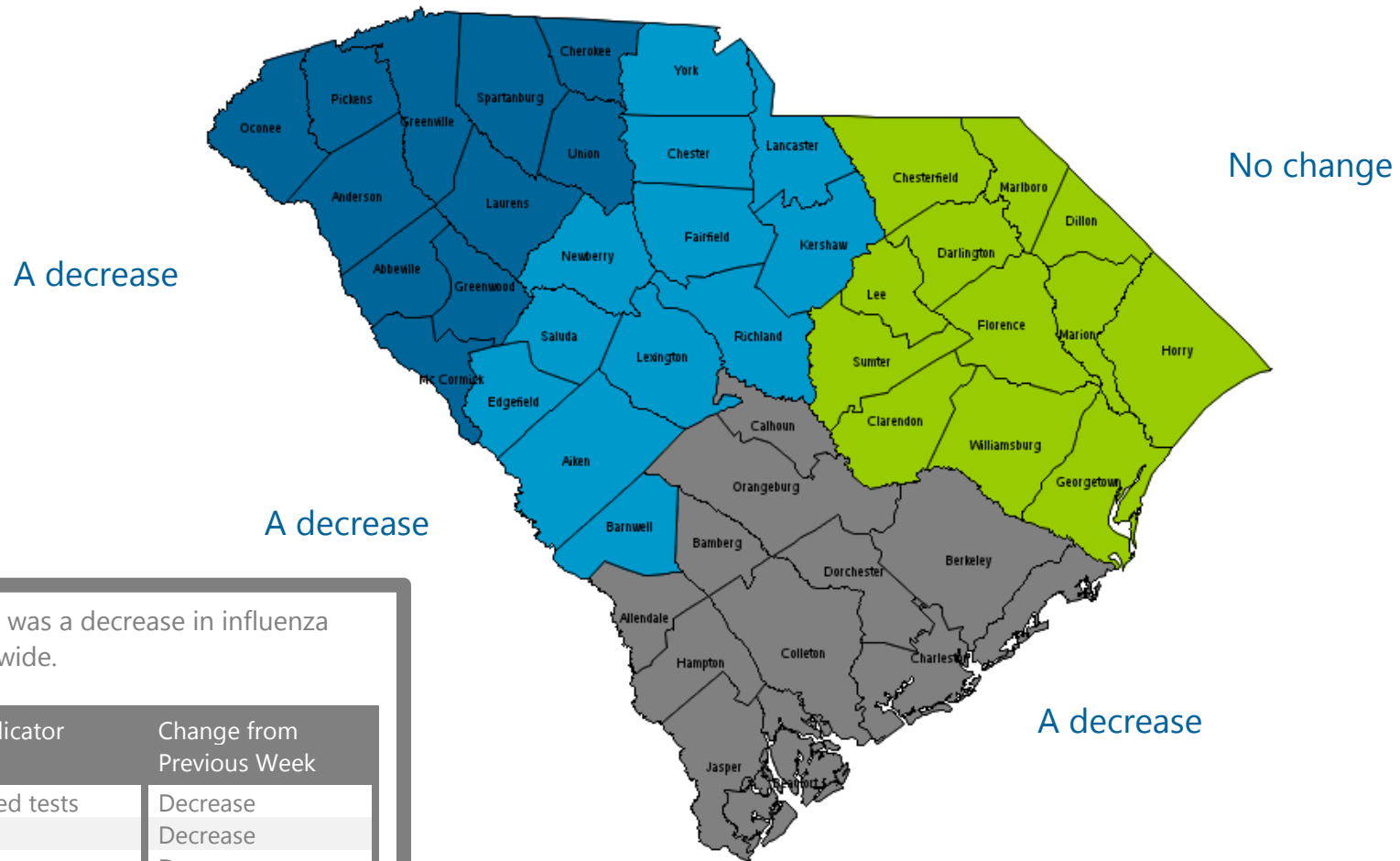For a description of South Carolina's influenza surveillance components and definitions go to:
http://www.scdhec.gov/Health/DiseasesandConditions/InfectiousDiseases/Flu/FluData/

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

Influenza Activity*

In the 4 Public Health Regions, activity showed…

No change

A decrease

A decrease

A decrease

Overall there was a decrease in influenza activity statewide.

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

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

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Virologic Surveillance

| Influenza Type	Season Totals To Date				
No. (%)	This Week	2018-19	2017-18	2016-17	5 season average
Overall	352	3674	3297	1577	1412
Influenza A	341(96.9)	3572(97.2)	2363(71.9)	1101(71.9)	1099(77.8)
A(H3)	51(15.0)	444(12.4)	513(21.8)	305(27.7)	239(21.7)
A(H1N1)	32(9.4)	357(10.0)	193(8.0)	60(5.5)	241(21.9)
A(NS)*	258(75.6)	2771(77.6)	1657(70.1)	746(66.8)	619(56.4)
Influenza B	11(3.1)	102(2.8)	934(28.1)	466(28.7)	313(22.2)
B (Victoria)	2(18.2)	2(2.0)	1 (0.1)	--	0.2 (0.1)
B (Yamagata)	--	--	48(5.3)	--	9.6 (3.1)
B (LND)+	9(81.8)	100(98.0)	885(94.6)	46(100)	303(96.9)

*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.
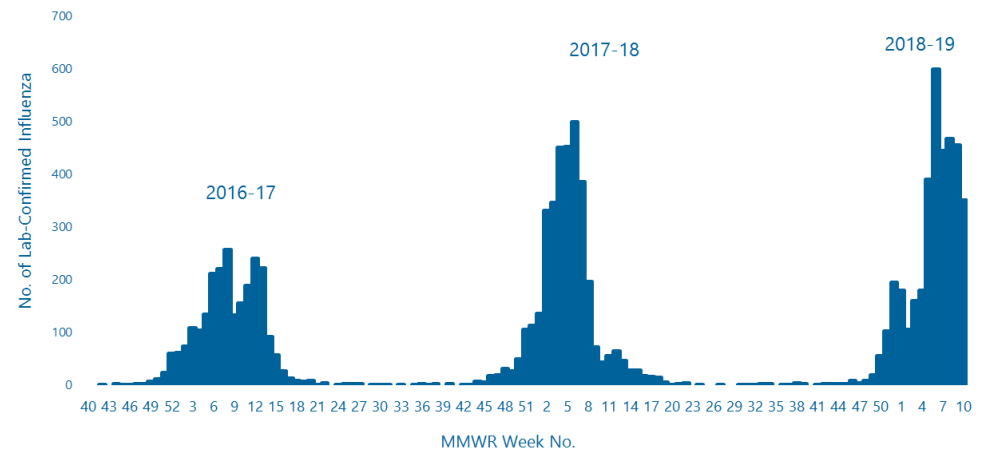
Week ending 3/09
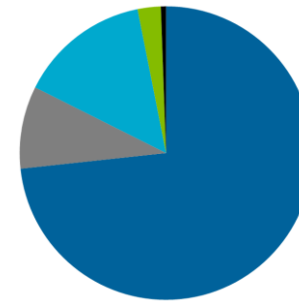
Cumulative
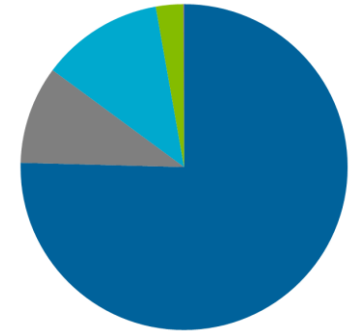
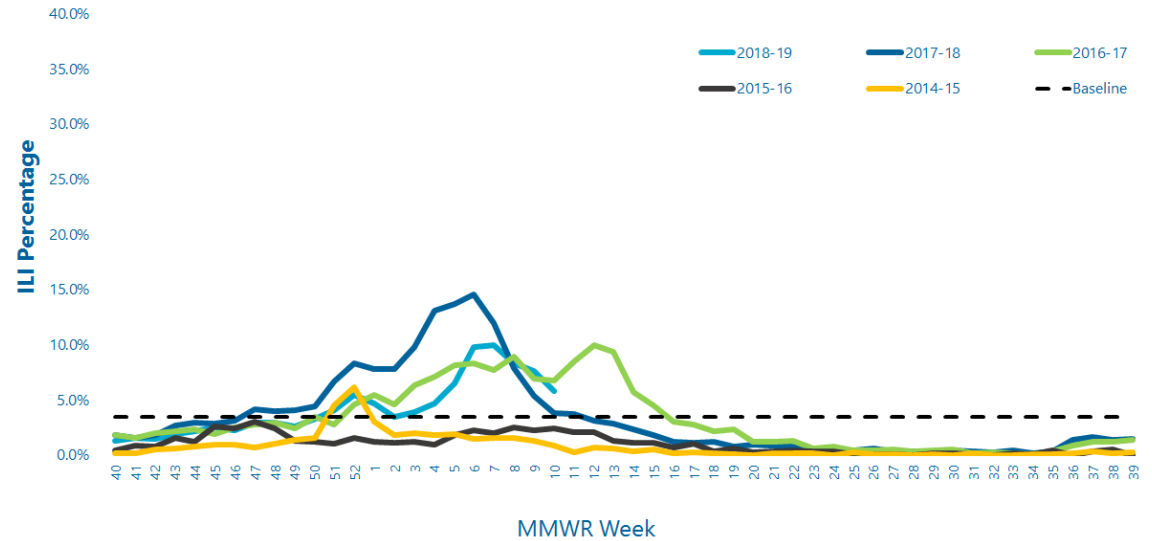■ A not subtyped ■ A(H1N1) ■ A (H3) ■ B (lineage not determined) ■ B (YAM) ■ B (VIC)

Influenza-Like Illness Surveillance

This week, the ILI activity level was high and 5.9% 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 16 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

Below State Baseline
Above State Baseline

No color fill indicates either no reporting or does not participate.
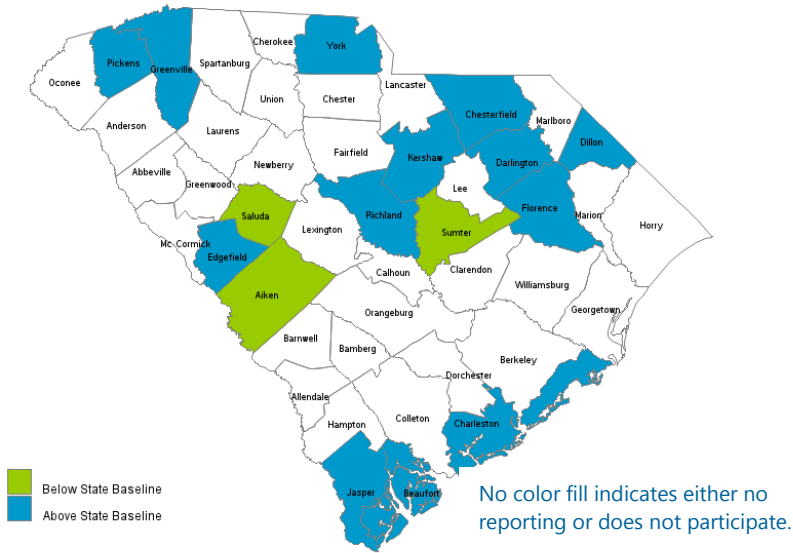
State ILI Activity Level 2018-19 Calendar by Week of the Year

OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
40	44	48	1	5	9	14	18	22	27	31	36
41	45	49	2	6	10	15	19	23	28	32	37
42	46	50	3	7	11	16	20	24	29	33	38
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	194(3.9)	5(1.7)	13(1.6)	36(1.8)	46(4.6)	194(10.9)
2018-19	2034(40.4)	98(33.4)	109(13.4)	309(15.0)	497(49.8)	1016(117.5)
2017-18	4144(82.5)	144(49.0)	124(15.3)	534(26.0)	958(96.0)	2384(275.7)
2016-17	1608(32.4)	69(20.6)	90(23.6)	228(11.2)	381(38.4)	840(101/3)
5 season average	2247(45.7)	126(43.2)	94(11.7)	360(17.7)	526(53.6)	1141(140.8)

Deaths No. (Rate)	Overall	Ages 0-4	Ages 5-17	Ages 18-49	Ages 50-64	Ages 65+
This Week	5 (0.1)	--	--	--	2 (0.2)	3 (0.2)
2018-19	52 (1.3)	2(0.7)	1(0.1)	4(0.2)	16(1.6)	39(4.6)
2017-18	269(5.5)	3(1.0)	--	26(1.3)	46(4.6)	194(22.4)
2016-17	52(1.0)	0	1(0.1)	4(0.2)	9(0.9)	38(4.6)
5 season average	110(2.2)	1 (0.3)	1 (0.1)	13(0.6)	19(2.0)	77(9.3)
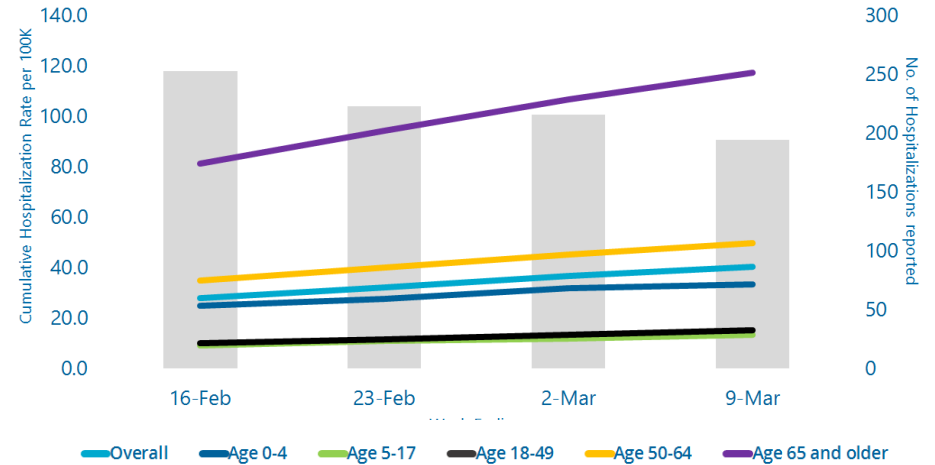
Influenza-Associated Deaths by Region

Upstate (24)
Midlands (11)
Pee Dee (10)
Low Country (18)

Cumulative Hospitalization Rate per 100K — Overall, Age 0-4, Age 5-17, Age 18-49, Age 50-64, Age 65 and older

2016-17, 2017-18, 2018-19

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