Flu Watch

MMWR Week 49: December 2 to December 8, 2018

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

Geographic Spread

South Carolina reported **local activity** this week. This is the **third** consecutive week at local activity.

Influenza Activity

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

Regional Influenza Activity
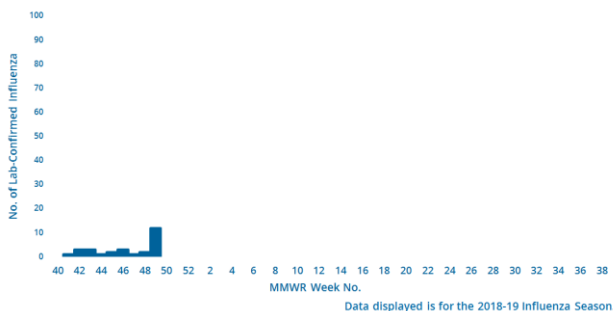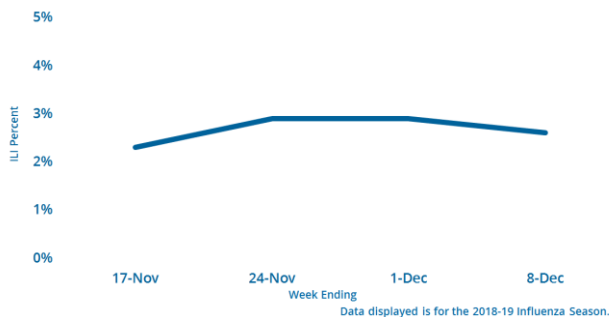
No change

No change

No change

No change

Virologic Surveillance

This week there were **12** lab-confirmed tests reported. Influenza A was most frequently reported. In the current flu season, there has been **28** lab-confirmed tests reported.

No. of Lab-Confirmed Influenza

MMWR Week No.

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 **2.66%**, which is below South Carolina's baseline **(3.53%)**. The ILI activity level overall was **low.**

ILI Percent

Week Ending

Data displayed is for the 2018-19 Influenza Season.

Influenza-Associated Hospitalizations

This week **16** influenza-associated hospitalizations were reported by **43** hospitals. The cumulative hospitalization rate is **2.8 per 100,000**. In the current flu season, there have been **142** influenza-associated hospitalizations.

Influenza-Associated Deaths

This week **1** influenza-associated death was reported; however, this death occurred in a previous week. The cumulative mortality rate is **0.1 per 100,000**. In the current flu season, there have been **7** influenza-associated deaths.

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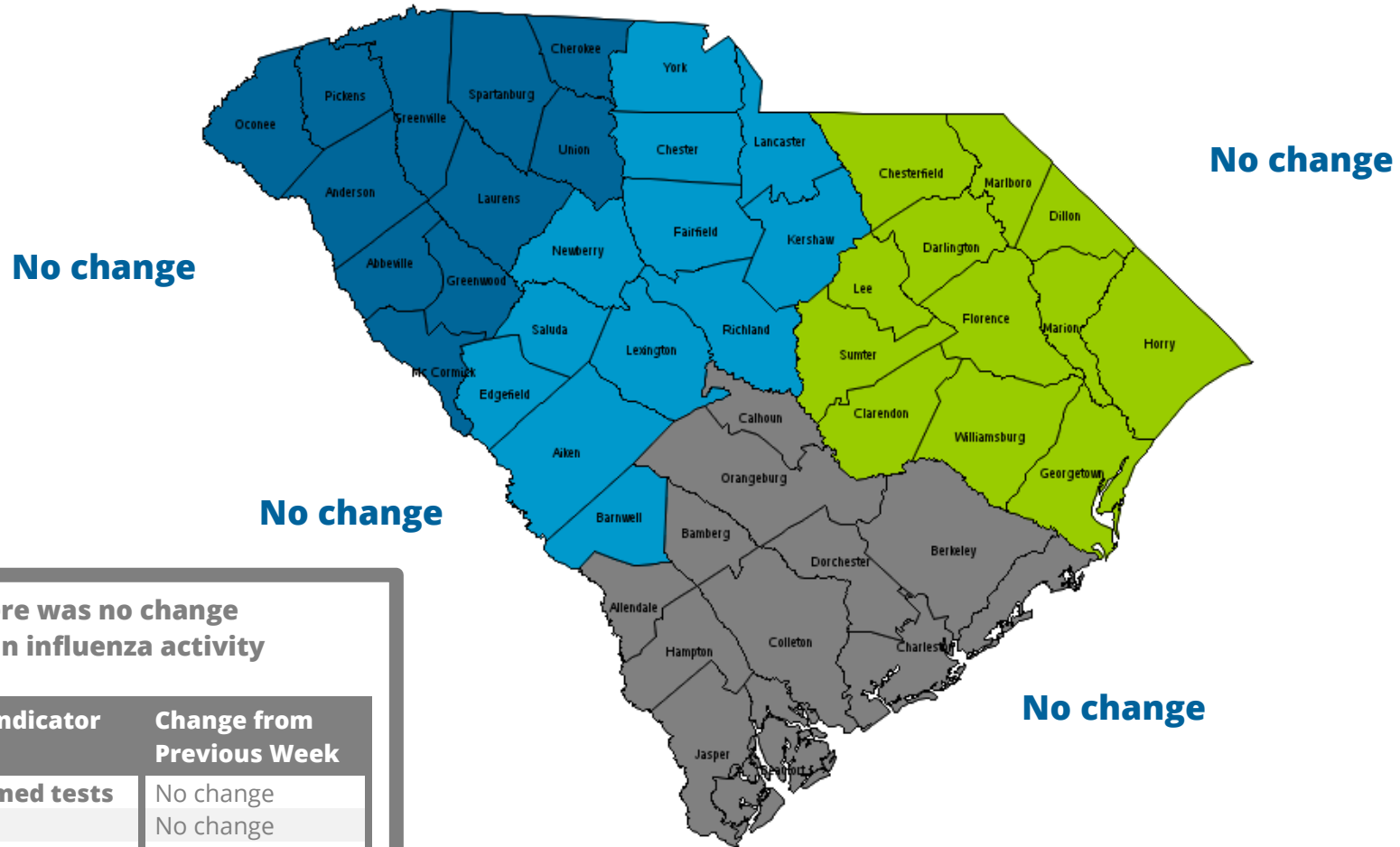http://www.scdhec.gov/Health/DiseasesandConditions/InfectiousDiseases/Flu/FluData/

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

Influenza Activity*

In the 4 Public Health Regions, activity showed…

No change

No change

No change

No change

Overall there was no change statewide in influenza activity

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

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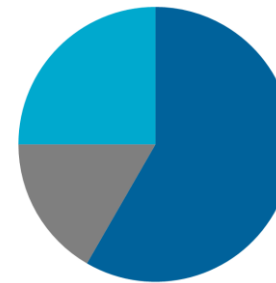
Virologic Surveillance

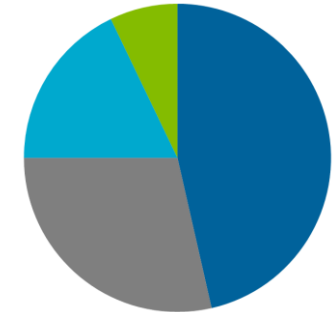| Influenza Type	Season Totals To Date				
No. (%)	This Week	2018-19	2017-18	2016-17	5 season average
Overall	**12**	**28**	**112**	**16**	**60**
Influenza A	**12 (100)**	**26(92.9)**	**93(83.0)**	**13(81.3)**	**53(88.3)**
A(H3)	3(25)	5(19.2)	24(25.8)	5(38.5)	16(30.2)
A(H1N1)	2(16.7)	8(30.8)	5(5.4)	--	17(32.1)
A(NS)*	7(58.3)	13(50)	64(68.8)	8(61.5)	20(37.7)
Influenza B	**0**	**2(7.1)**	**19(17.0)**	**3(18.7)**	**7(11.7)**
B (Victoria)	--	--	--	--	0
B (Yamagata)	--	--	4(21.1)	--	1(14.3)
B (LND)+	--	2(100)	15(78.9)	3(100)	6(85.7)

*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.
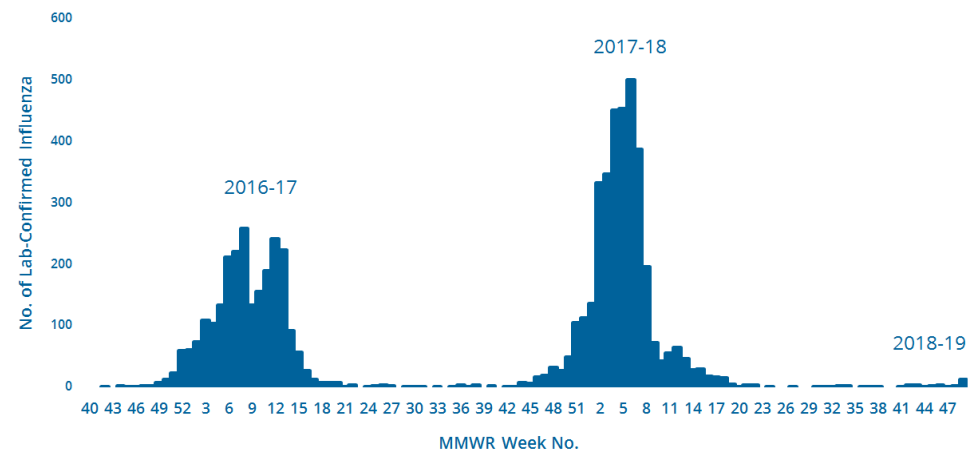
Week ending 12/8

Cumulative

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

No. of Lab-Confirmed Influenza

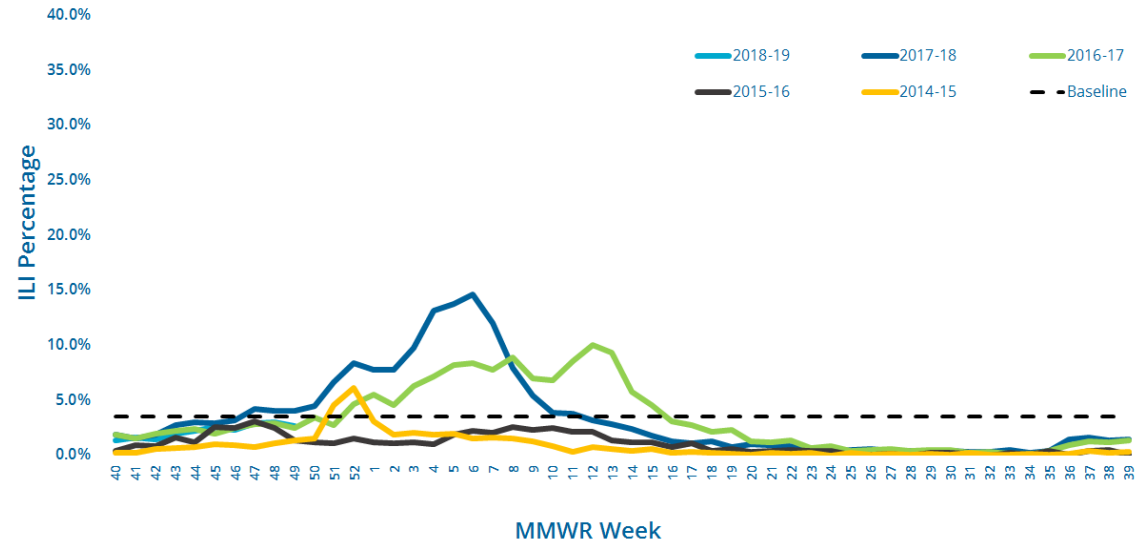2016-17

2017-18

2018-19

MMWR Week No.

Influenza-Like Illness Surveillance

This week, the ILI activity level was **low** and **2.66%** of patient visits to SC ILINet providers was attributed to an influenza-like illness. This is **below** the state baseline, **3.53%.**
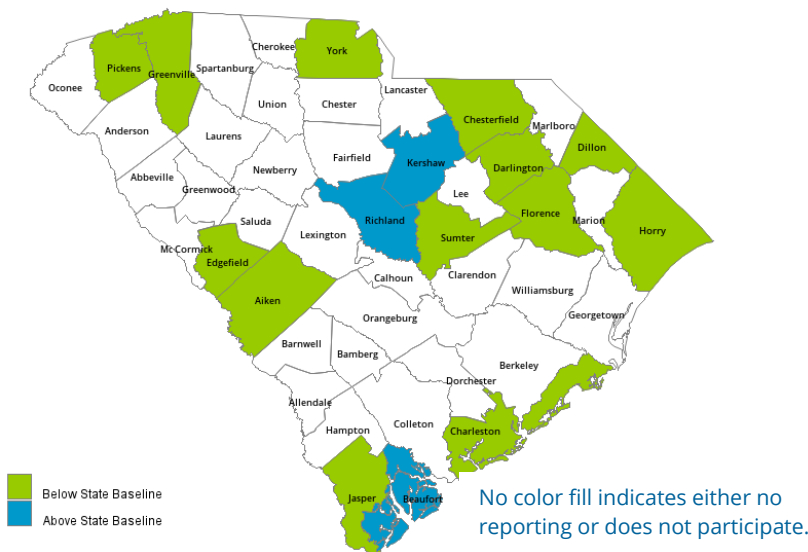
Reports were received from providers in 16 counties, representing all DHEC Public Health regions.

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

Flu Watch   MMWR Week 49 Dec 2 – Dec 8, 2018

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	16(0.3)	3(1.0)	--	4(0.2)	4(0.4)	14(0.6)
2018-19	142(2.8)	9(3.0)	5(0.6)	27(1.3)	37(3.7)	65(7.5)
2017-18	192(3.8)	9(3.0)	10(1.2)	20(0.9)	41(4.1)	112(12.9)
2016-17	74(1.5)	2(0.7)	1(0.1)	11(0.5)	23(2.3)	37(4.5)
5 season average	190(3.9)	18(6.1)	12(1.5)	35(1.7)	48(4.9)	77(9.7)

Deaths No. (Rate)	Overall	Ages 0-4	Ages 5-17	Ages 18-49	Ages 50-64	Ages 65+
This Week	0	--	--	--	--	--
2018-19	7(0.1)	1(0.3)	--	1(0.0)	1(0.1)	4(0.5)
2017-18	10(0.2)	--	--	--	1(0.1)	9(1.0)
2016-17	3(0.1)	--	--	1(0.0)	--	2(0.2)
5 season average	7(0.1)	0	0	1(0.0)	2(0.2)	4(0.5)

Influenza-Associated Deaths by Region

Upstate (2)
Midlands (0)
Pee Dee (2)
Low Country (3)

Overall — Age 0-4 — Age 5-17 — Age 18-49 — Age 50-64 — Age 65 and older

Flu Watch   MMWR Week 49 Dec 2 – Dec 8, 2018