

Geographic Spread



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

Influenza Activity



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

Regional Influenza Activity



No change



A decrease



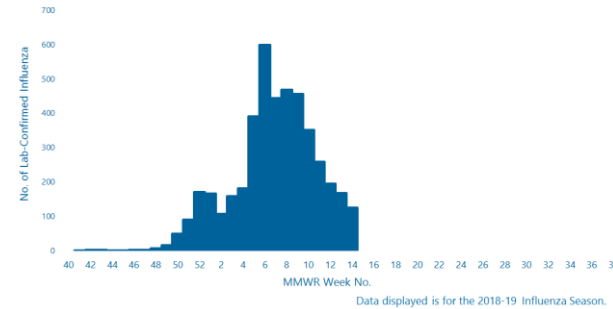
A decrease



A decrease

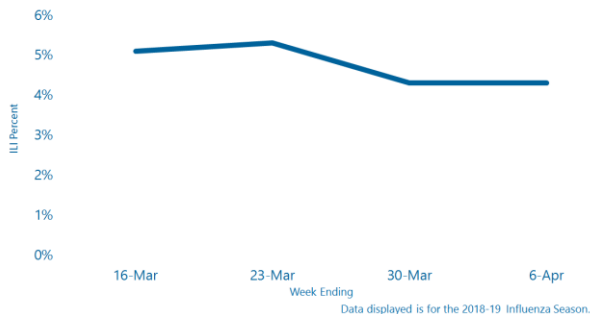
Virologic Surveillance

This week there were **126** lab-confirmed tests reported. Influenza A was most frequently reported. In the current flu season, there have been **4423** lab-confirmed tests reported.



Influenza-Like Illness Surveillance

The percent of patient visits to sentinel providers for an influenza-like illness (ILI) was 4.3%, which is above South Carolina's baseline (3.53%). The ILI activity level overall was **high**.



Influenza-Associated Hospitalizations

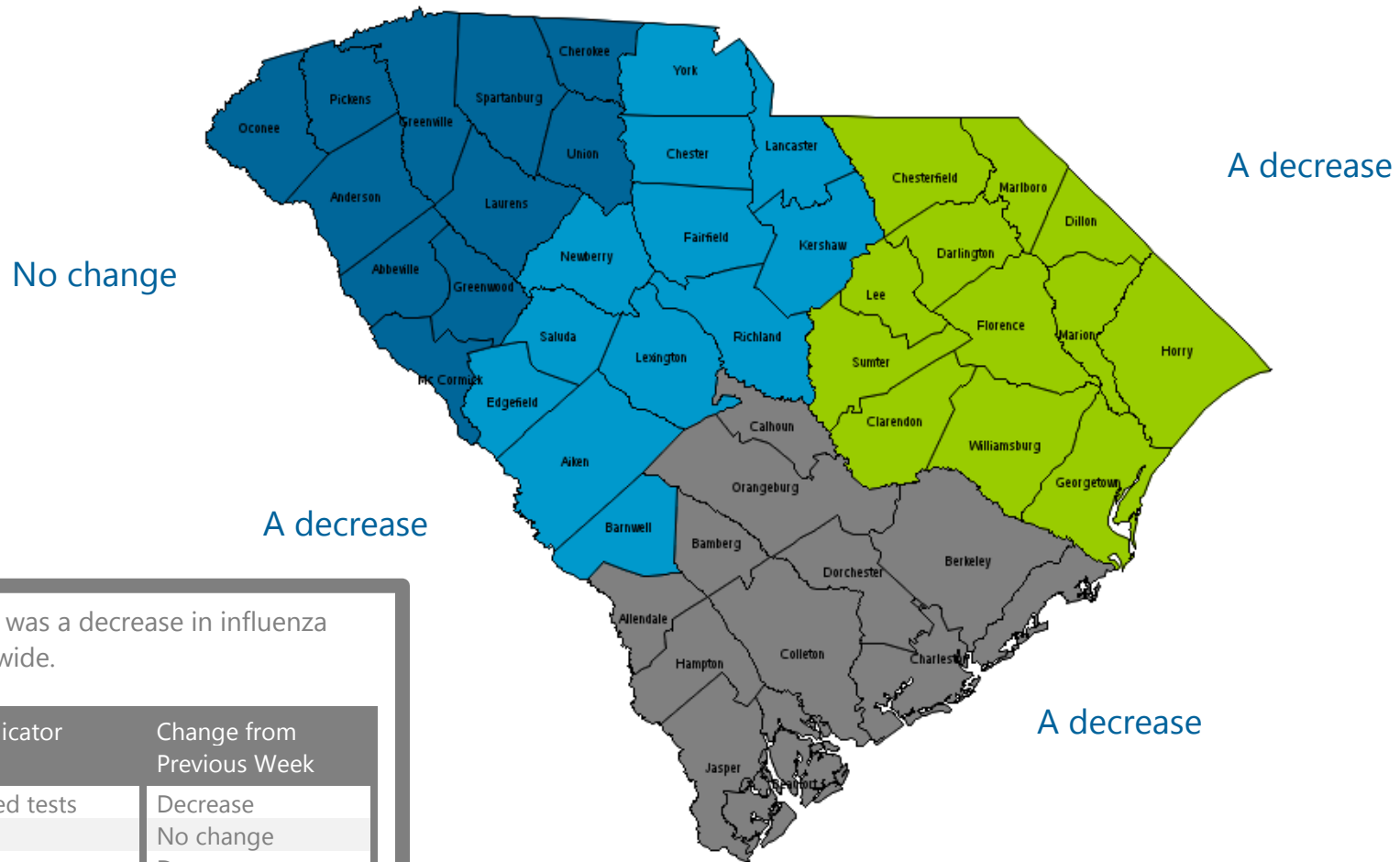
This week 88 influenza-associated hospitalizations were reported by 59 hospitals. The cumulative hospitalization rate is 49.0 per 100,000. In the current flu season, there have been 2461 influenza-associated hospitalizations.

Influenza-Associated Deaths

This week 1 influenza-associated death was reported; however, the death occurred during previous weeks. The cumulative mortality rate is 1.6 per 100,000. In the current flu season, there have been 80 influenza-associated deaths.

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	No change
Hospitalizations	Decrease

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

Virologic Surveillance

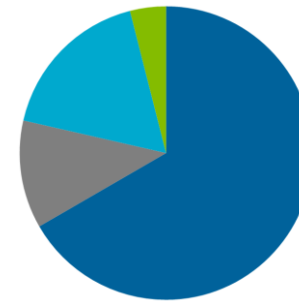
Influenza Type	Season Totals To Date				
	This Week	2018-19	2017-18	2016-17	5 season average
Overall	126	4423	3492	2230	1685
Influenza A	121(96.0)	4293(97.1)	2429(69.6)	1514(65.2)	1247(74.0)
A(H3)	22(18.2)	560(13.0)	529(21.8)	391(25.8)	262(21.0)
A(H1N1)	15(12.4)	425(9.9)	202(8.3)	64(4.2)	287(23.0)
A(NS) [*]	84(69.4)	3308(77.1)	1698(69.9)	1059(69.9)	698(56.0)
Influenza B	5 (4.0)	130(2.9)	1063(30.4)	808(34.8)	438(26.0)
B (Victoria)	--	2(1.5)	1 (0.1)	--	0.2 (0.1)
B (Yamagata)	--	--	51(4.8)	--	10 (2.3)
B (LND) ⁺	5(100)	128(98.5)	1011(95.1)	808(100)	427.4(97.6)

*NS – not subtyped

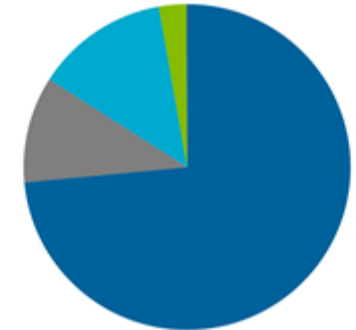
+LND – lineage not determined

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.

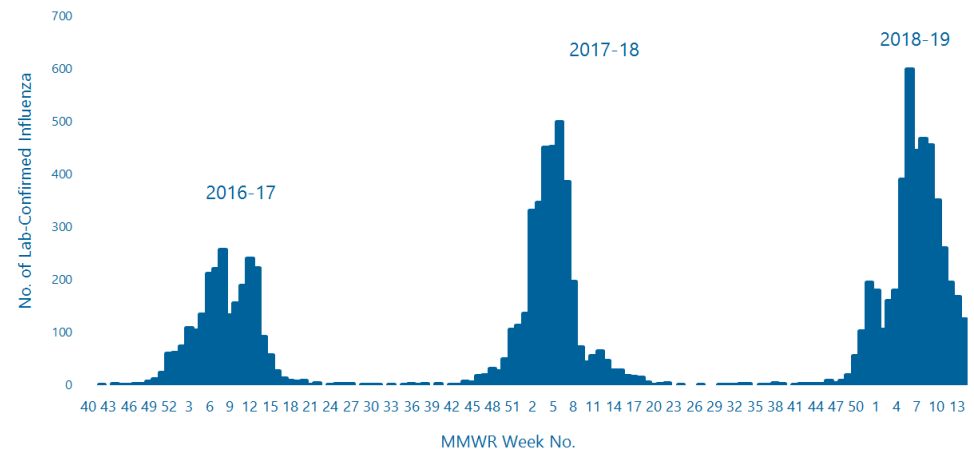
Week ending 4/06



Cumulative



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



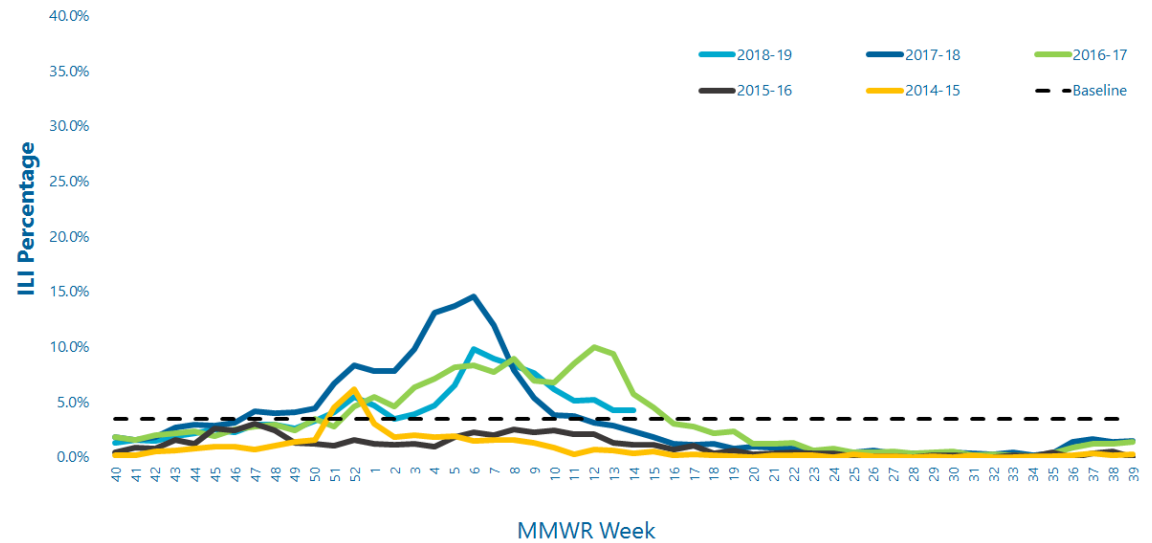
Influenza-Like Illness Surveillance

This week, the ILI activity level was **high** and 4.3% of patient visits to SC ILINet providers was attributed to an influenza-like illness. This is above the state baseline, 3.53%.

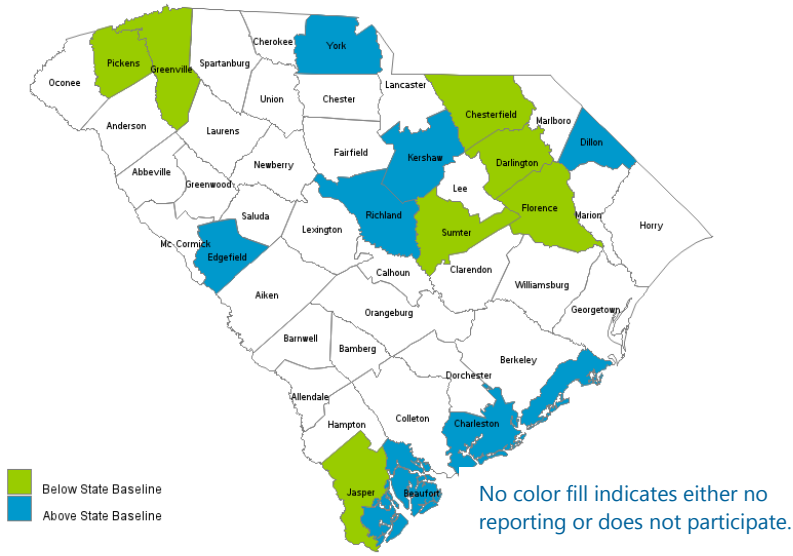
Reports were received from providers in 14 counties, representing all DHEC Public Health regions.

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

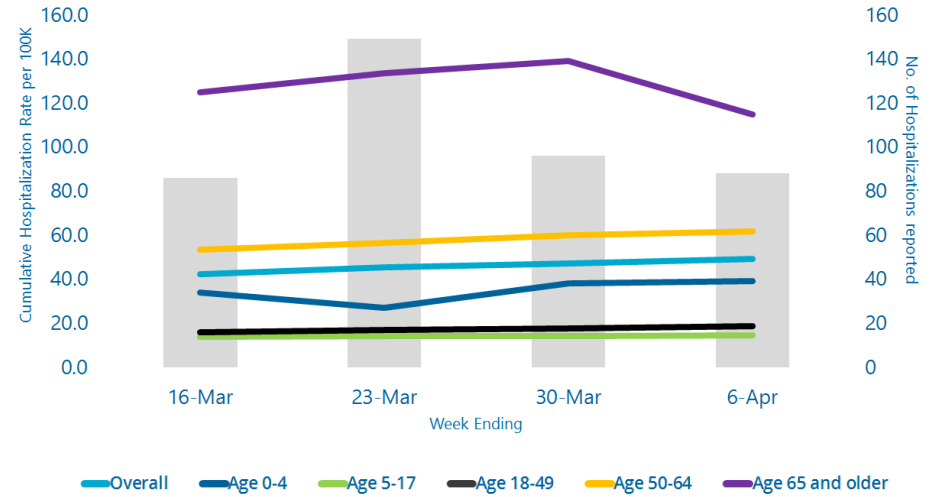
OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
40	44	48	1	5	9	14	18	22	27	31	36
41	45	49	2	6	10	15	19	23	28	32	37
42	46	50	3	7	11	16	20	24	29	33	38
43	47	51	4	8	12	17	21	25	30	34	39
		52			13			26		35	

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	88(1.8)	3(1.0)	3(0.4)	18(0.9)	46(1.8)	88(5.3)
2018-19	2461(49.0)	115(39.2)	118(14.6)	383(18.6)	616(61.7)	1250(144.6)
2017-18	4376(87.1)	154(52.4)	136(16.8)	566(27.5)	1020(102)	2500(289.2)
2016-17	2303(46.4)	96(32.9)	124(15.4)	310(15.2)	509(51.4)	1264(152.4)
5 season average	2571(52.3)	146(50.0)	110(13.7)	414(20.4)	599(61.1)	1301(160.4)

Deaths No. (Rate)	Overall	Ages 0-4	Ages 5-17	Ages 18-49	Ages 50-64	Ages 65+
This Week	0	--	--	--	--	--
2018-19	80(1.6)	2(0.7)	1(0.1)	6(0.3)	20(1.9)	51(5.9)
2017-18	283(5.6)	3(1.0)	--	27(1.3)	49(4.9)	204(23.6)
2016-17	84(1.7)	0	1(0.1)	6(0.3)	14(1.4)	63(7.6)
5 season average	123(2.5)	1 (0.3)	1 (0.1)	14(0.7)	22(2.2)	84(10.4)



Influenza-Associated Deaths by Region

