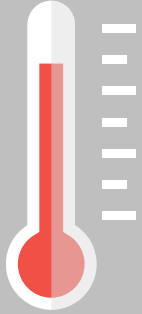


Geographic Spread



South Carolina reported regional activity this week.

Influenza Activity



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

Regional Influenza Activity



An increase



A decrease



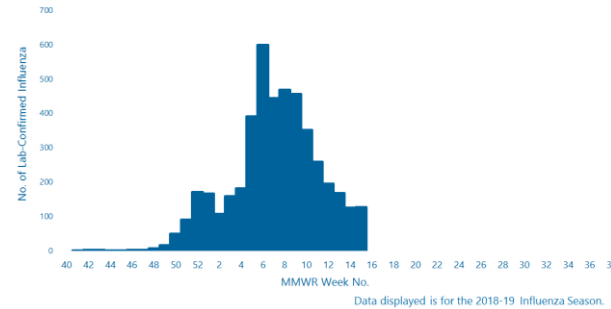
A decrease



A decrease

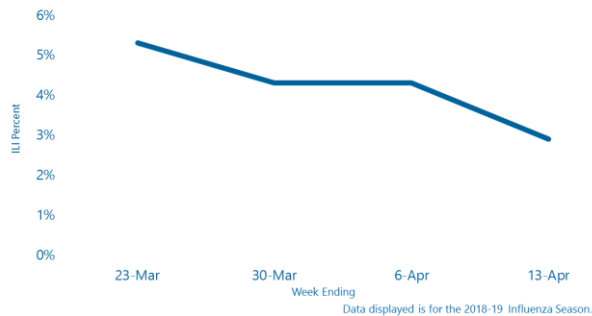
Virologic Surveillance

This week there were **128** lab-confirmed tests reported. Influenza A was most frequently reported. In the current flu season, there have been **4551** lab-confirmed tests reported.



Influenza-Like Illness Surveillance

The percent of patient visits to sentinel providers for an influenza-like illness (ILI) was 2.9%, which is below South Carolina's baseline (3.53%). The ILI activity level overall was low



Influenza-Associated Hospitalizations

This week 98 influenza-associated hospitalizations were reported by 57 hospitals. The cumulative hospitalization rate is 51 per 100,000. In the current flu season, there have been 2560 influenza-associated hospitalizations.

Influenza-Associated Deaths

This week 7 influenza-associated death was reported; however, 6 deaths occurred during previous weeks. The cumulative mortality rate is 1.7 per 100,000. In the current flu season, there have been 87 influenza-associated deaths.

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

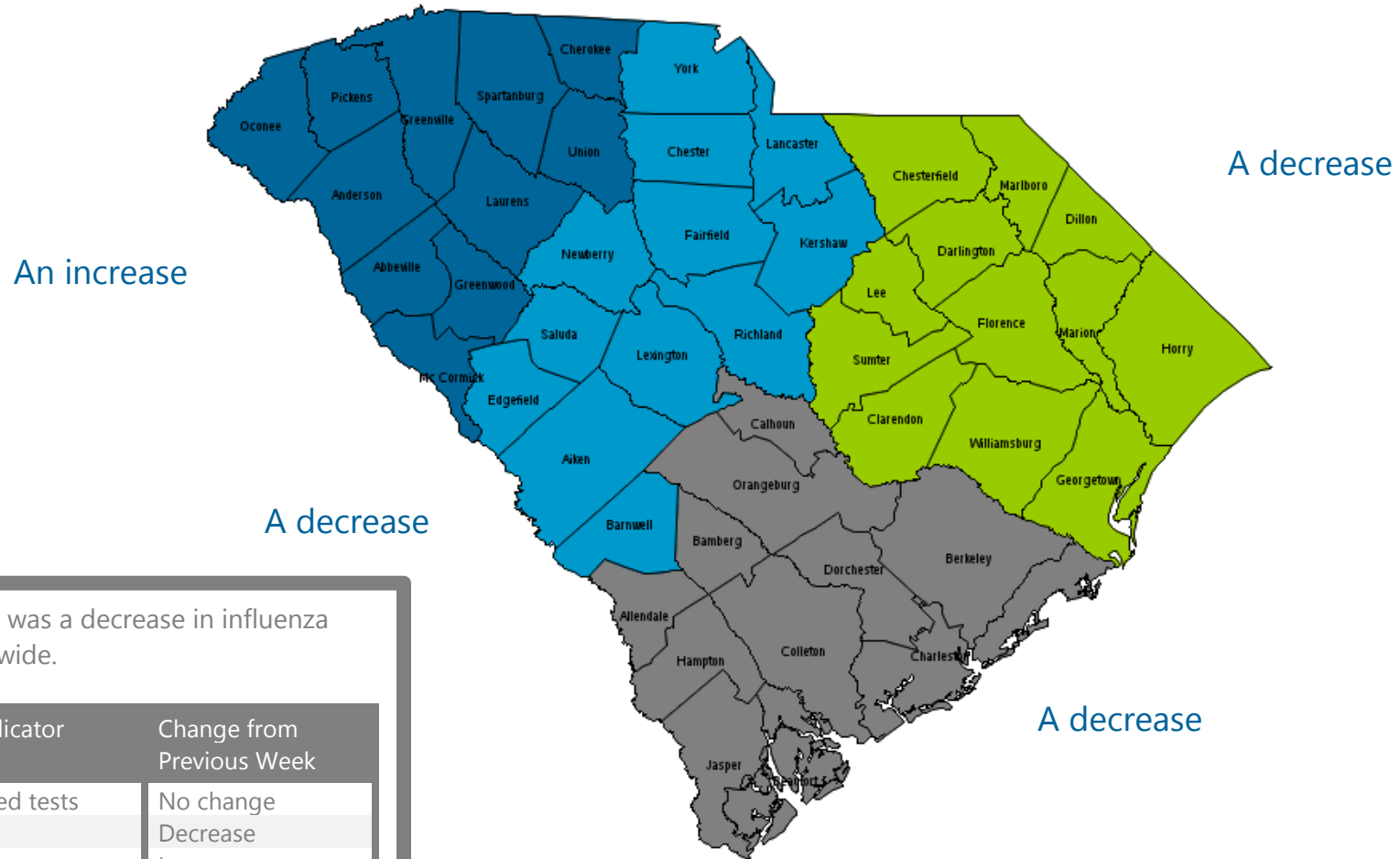
<http://www.scdhec.gov/Health/DiseasesandConditions/InfectiousDiseases/Flu/FluData/>

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	Increase

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

Virologic Surveillance

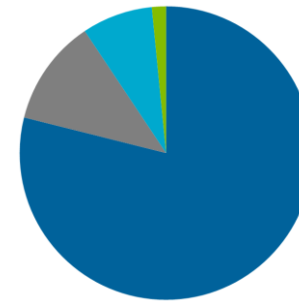
Influenza Type	Season Totals To Date				
	This Week	2018-19	2017-18	2016-17	5 season average
Overall	128	4551	3521	2379	1717
Influenza A	126(98.4)	4418(97.3)	2432(69.1)	1539(64.7)	1259(73.3)
A(H3)	10(7.9)	569(12.8)	530(21.8)	395(25.7)	263(20.9)
A(H1N1)	15(11.9)	440(10.0)	203(8.3)	64(4.2)	293(23.3)
A(NS) [*]	101(80.2)	3409(77.2)	1699(69.9)	1080(70.2)	703(55.9)
Influenza B	2 (1.6)	133(2.9)	1089(30.9)	840(35.3)	458(26.7)
B (Victoria)	--	2(1.5)	2 (0.2)	--	0.4 (0.1)
B (Yamagata)	--	--	54(5.0)	--	11 (2.4)
B (LND) ⁺	2(100)	131(98.5)	1033(94.9)	840(100)	446(97.6)

*NS – not subtyped

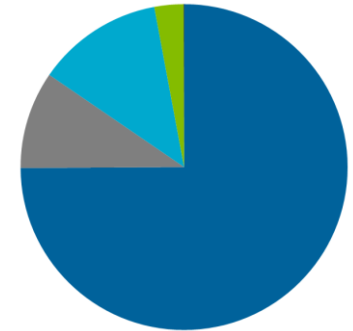
+LND – lineage not determined

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.

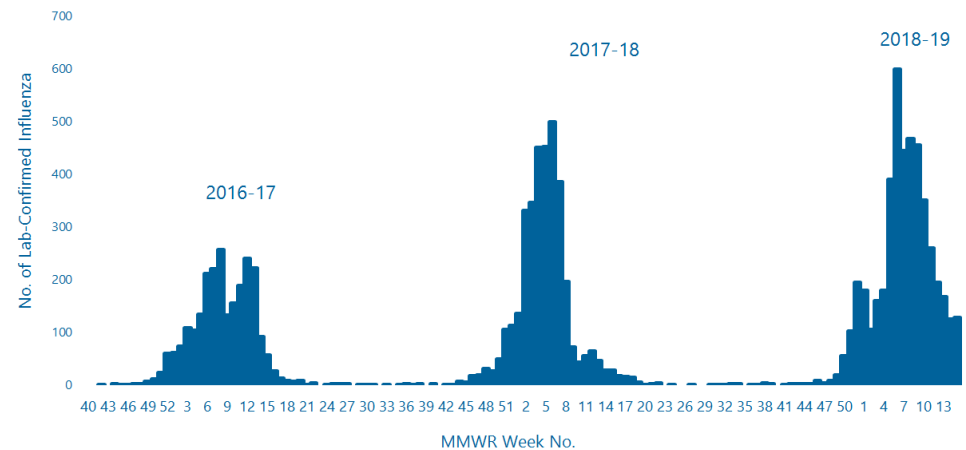
Week ending 4/13



Cumulative



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



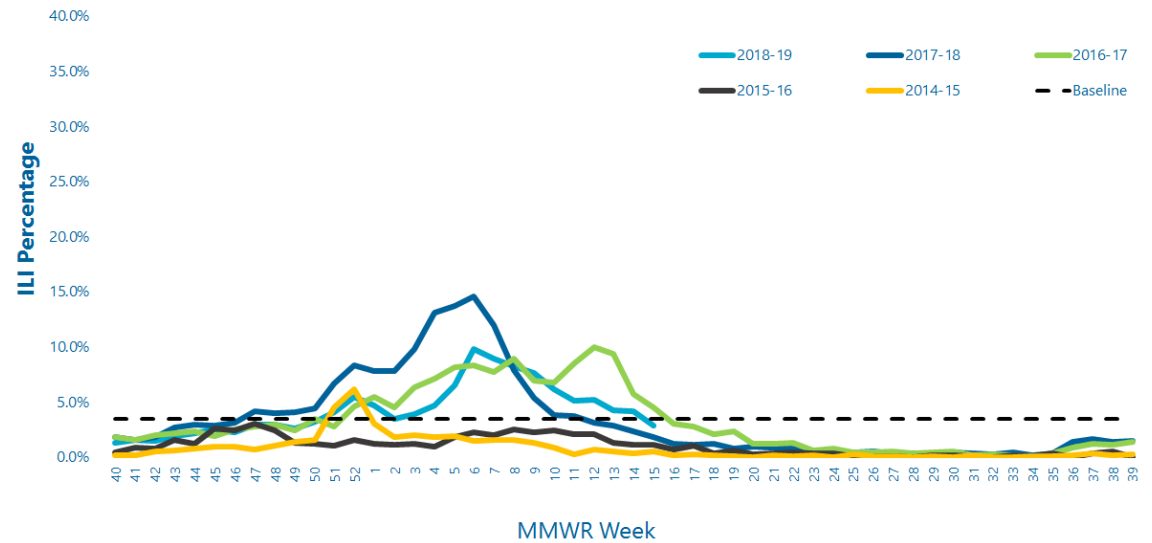
Influenza-Like Illness Surveillance

This week, the ILI activity level was **low** and 2.9% of patient visits to SC ILINet providers was attributed to an influenza-like illness. This is below the state baseline, 3.53%.

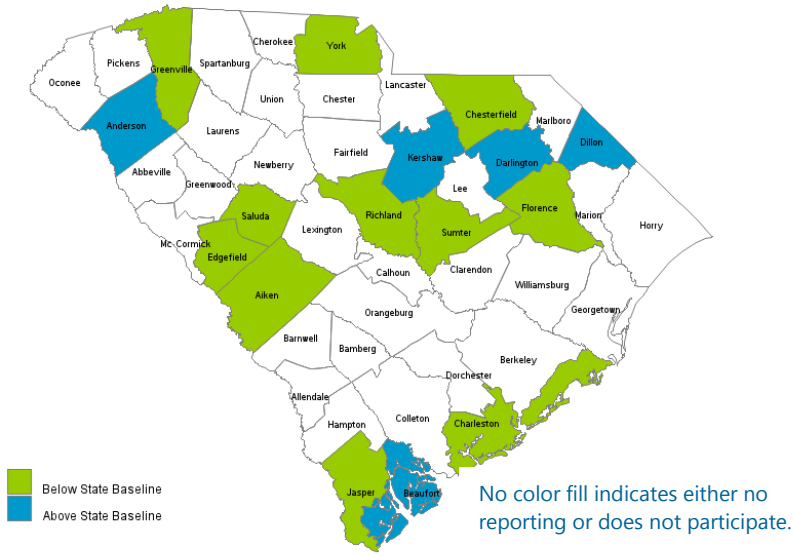
Reports were received from providers in 16 counties, representing all DHEC Public Health regions.

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



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

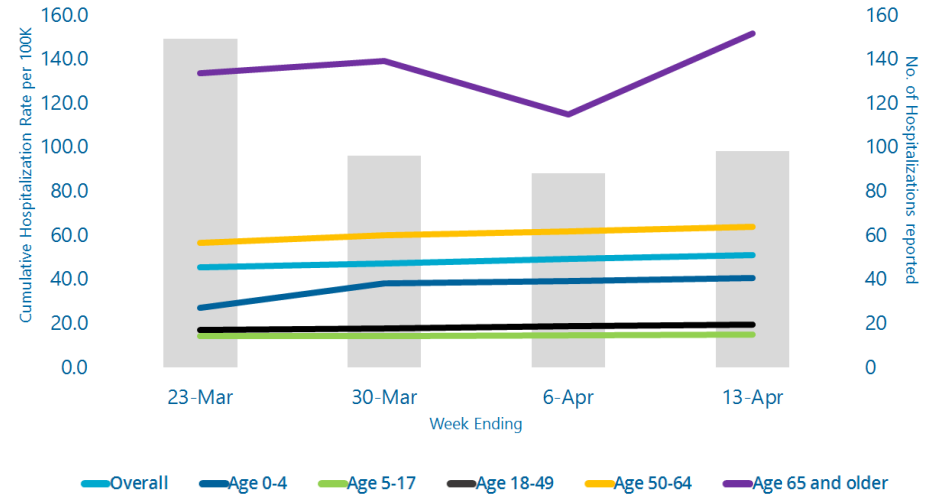
	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
	40	44	48	1	5	9	14	18	22	27	31	36
	41	45	49	2	6	10	15	19	23	28	32	37
	42	46	50	3	7	11	16	20	24	29	33	38
	43	47	51	4	8	12	17	21	25	30	34	39
			52			13			26		35	

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	98(2.0)	4(1.4)	3(0.4)	15(0.7)	19(1.9)	58(6.7)
2018-19	2560(51)	119(40.5)	121(14.9)	398(19.4)	635(63.6)	1309(151.4)
2017-18	4404(87.7)	154(52.4)	136(16.8)	569(27.7)	1031(103.3)	2514(290.8)
2016-17	2385(48.1)	104(35.6)	126(15.6)	323(15.8)	528(53.3)	1304(157.2)
5 season average	2615(53.2)	149(51.1)	112(14.0)	421(20.7)	610(62.2)	1321(162.8)

Deaths No. (Rate)	Overall	Ages 0-4	Ages 5-17	Ages 18-49	Ages 50-64	Ages 65+
This Week	1(0.02)	--	--	--	--	1(0.2)
2018-19	87(1.7)	2(0.7)	1(0.1)	6(0.3)	21(2.0)	57(6.7)
2017-18	284(5.7)	3(1.0)	--	27(1.3)	50(5.0)	204(23.6)
2016-17	87(1.8)	1(0.3)	1(0.1)	7(0.3)	14(1.4)	64(7.7)
5 season average	124(2.5)	1 (0.3)	1 (0.1)	15(0.7)	22(2.3)	85(10.4)



Influenza-Associated Deaths by Region

