

Geographic Spread



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

Influenza Activity



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

Regional Influenza Activity



Decrease



Decrease



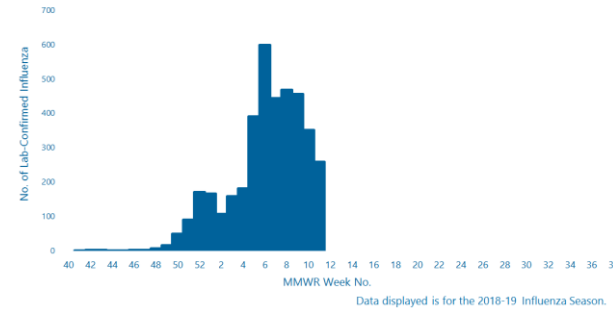
Decrease



Decrease

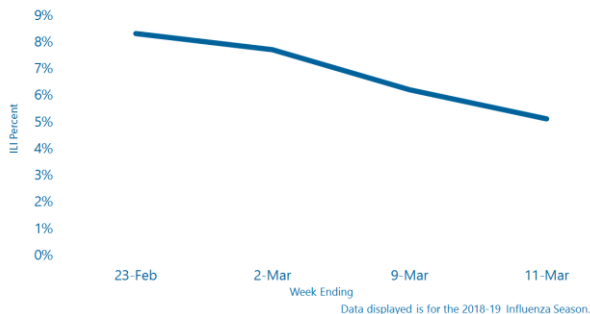
Virologic Surveillance

This week there were **260** lab-confirmed tests reported. Influenza A was most frequently reported. In the current flu season, there have been **3934** lab-confirmed tests reported.



Influenza-Like Illness Surveillance

The percent of patient visits to sentinel providers for an influenza-like illness (ILI) was 5.1%, which is above South Carolina's baseline (3.53%). The ILI activity level overall was **high**.



Influenza-Associated Hospitalizations

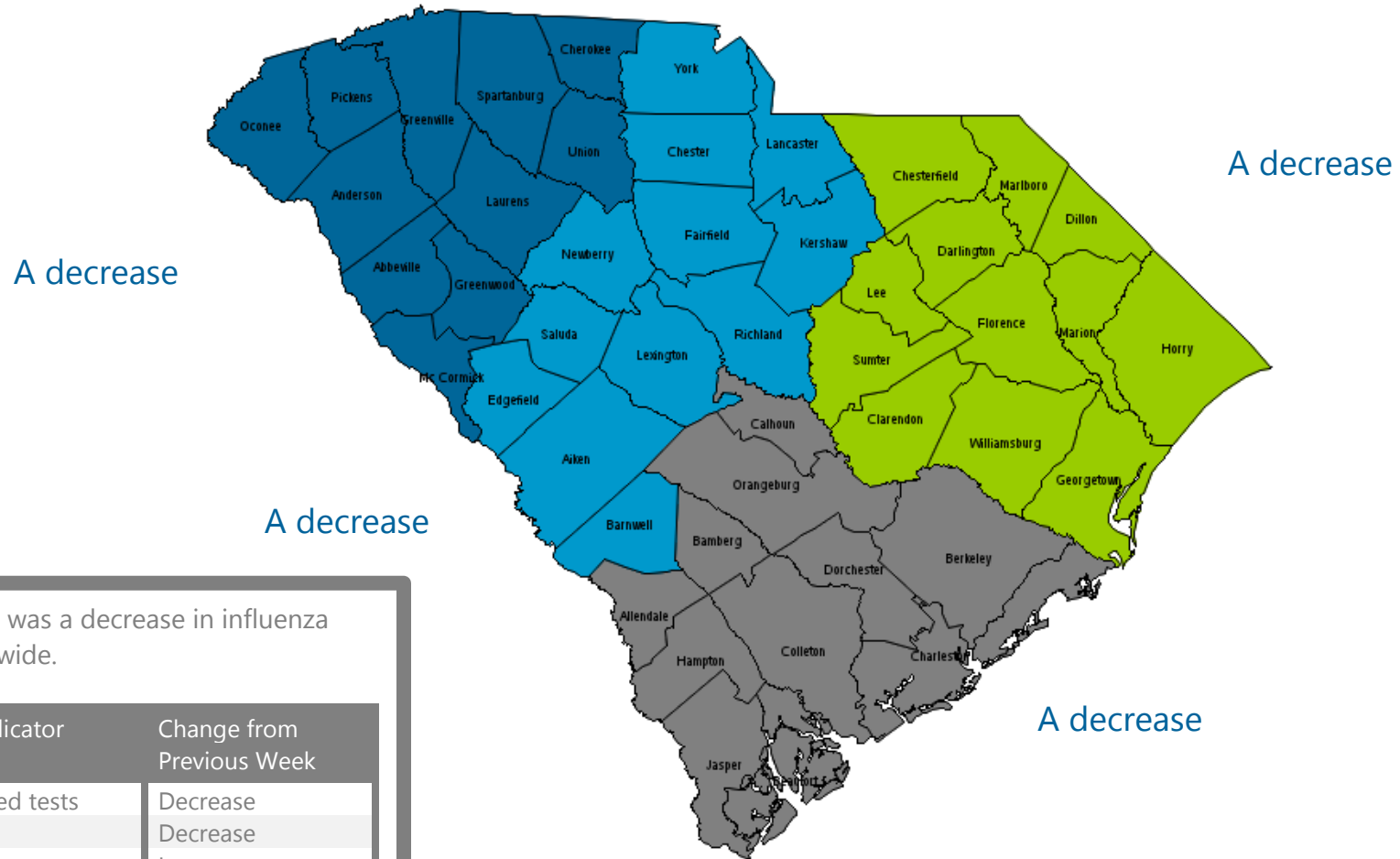
This week 86 influenza-associated hospitalizations were reported by 58 hospitals. The cumulative hospitalization rate is 42.2 per 100,000. In the current flu season, there have been 2120 influenza-associated hospitalizations.

Influenza-Associated Deaths

This week 6 influenza-associated deaths were reported; however, these 6 deaths occurred during previous weeks. The cumulative mortality rate is 1.4 per 100,000. In the current flu season, there have been 69 influenza-associated deaths.

Influenza Activity*

In the 4 Public Health Regions, activity showed...



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

Virologic Surveillance

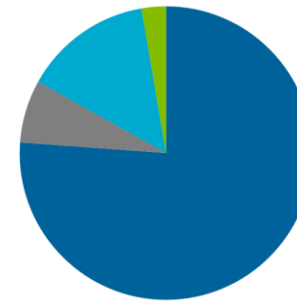
Influenza Type	Season Totals To Date				
	This Week	2018-19	2017-18	2016-17	5 season average
Overall	260	3934	3353	1766	1494
Influenza A	253(97.3)	3825(97.2)	2378(70.9)	1226(69.4)	1147(76.8)
A(H3)	37(14.6)	481(12.6)	516(21.7)	326(26.6)	245(21.3)
A(H1N1)	18(7.1)	375(9.8)	193(8.1)	60(4.9)	257(22.4)
A(NS) [*]	198(78.3)	2969(77.6)	1669(70.2)	840(68.5)	645(56.2)
Influenza B	7 (2.7)	109(2.8)	975(29.1)	540(30.6)	347(23.2)
B (Victoria)	--	2(1.8)	1 (0.1)	--	0.2 (0.1)
B (Yamagata)	--	--	48(4.9)	--	9.6 (2.8)
B (LND) ⁺	7(100)	107(98.2)	926(95.0)	540(100)	337(97.2)

*NS – not subtyped

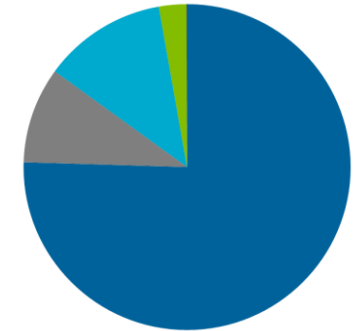
+LND – lineage not determined

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.

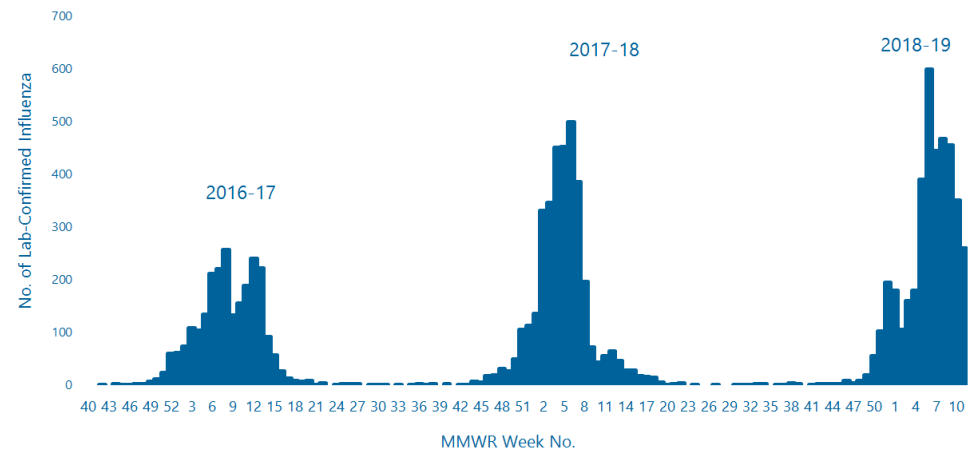
Week ending 3/16



Cumulative



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



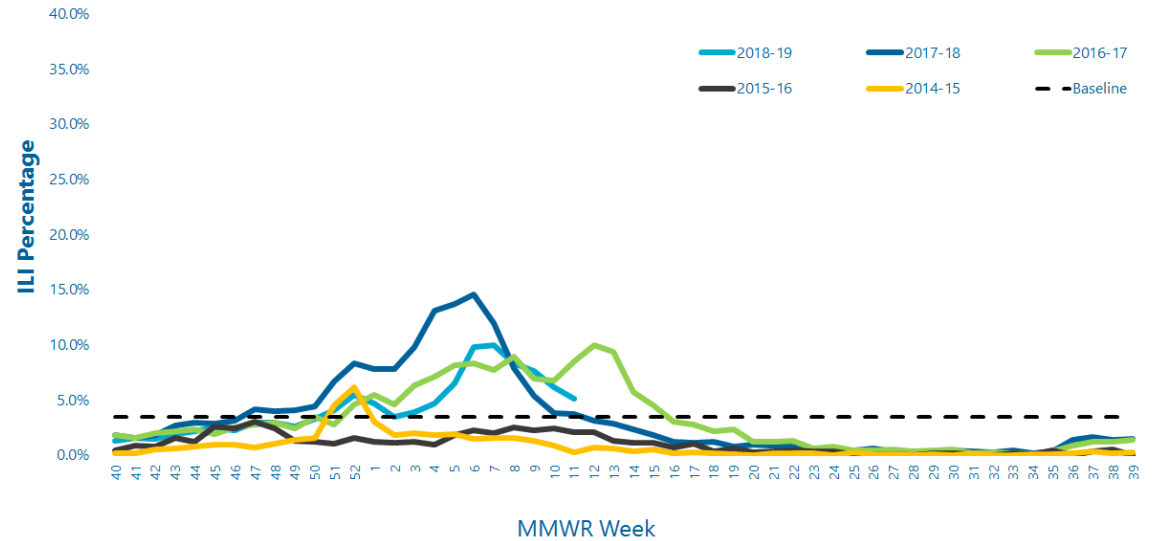
Influenza-Like Illness Surveillance

This week, the ILI activity level was **high** and 5.1% of patient visits to SC ILINet providers was attributed to an influenza-like illness. This is above the state baseline, 3.53%.

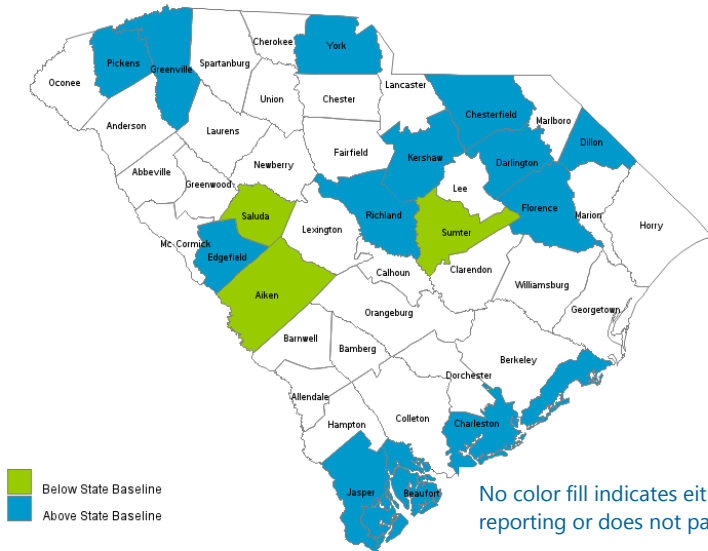
Reports were received from providers in 16 counties, representing all DHEC Public Health regions.

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



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

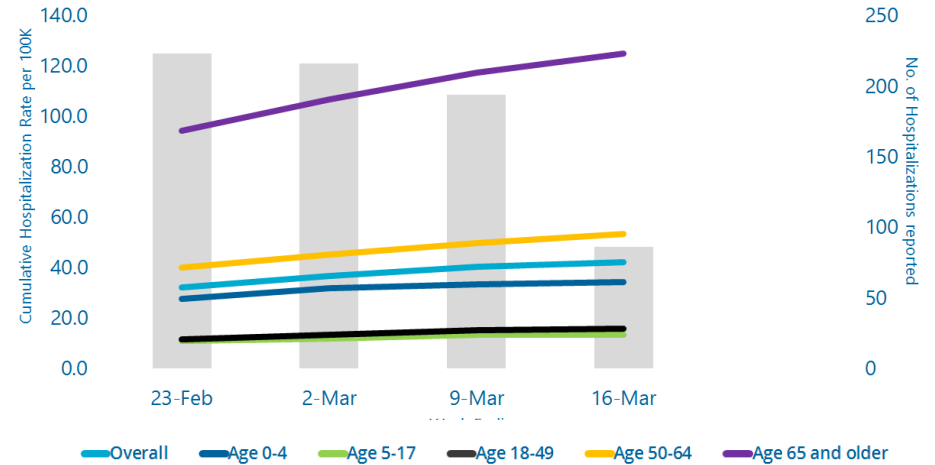
	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
	40	44	48	1	5	9	14	18	22	27	31	36
	41	45	49	2	6	10	15	19	23	28	32	37
	42	46	50	3	7	11	16	20	24	29	33	38
	43	47	51	4	8	12	17	21	25	30	34	39
			52			13			26		35	

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	86(1.7)	2(0.7)	3(0.4)	14(0.7)	34(3.41)	64(7.4)
2018-19	2120(42.2)	100(34.0)	112(13.8)	323(15.7)	531(53.2)	1080(124.9)
2017-18	4213(83.9)	146(49.7)	127(15.7)	548(26.6)	976(97.8)	2416(279.4)
2016-17	1763(35.5)	79(27.1)	94(11.7)	245(12.0)	411(41.5)	934(112.6)
5 season average	2337(47.6)	131(45.1)	99(12.4)	375(18.4)	547(55.8)	1182(145.9)

Deaths No. (Rate)	Overall	Ages 0-4	Ages 5-17	Ages 18-49	Ages 50-64	Ages 65+
This Week	0	--	--	--	--	--
2018-19	69 (1.4)	2(0.7)	1(0.1)	4(0.2)	20(1.9)	42(4.0)
2017-18	274(5.5)	3(1.0)	--	26(1.3)	47(4.6)	198(22.9)
2016-17	61(1.2)	0	1(0.1)	5(0.2)	9(0.9)	46(5.5)
5 season average	114(2.3)	1 (0.3)	1 (0.1)	13(0.7)	20(2.1)	79(9.8)



Influenza-Associated Deaths by Region

