

## Geographic Spread



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

## Influenza Activity



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

## Regional Influenza Activity



No change



A decrease



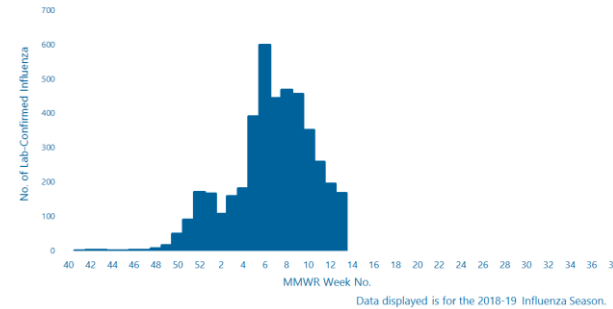
A decrease



A decrease

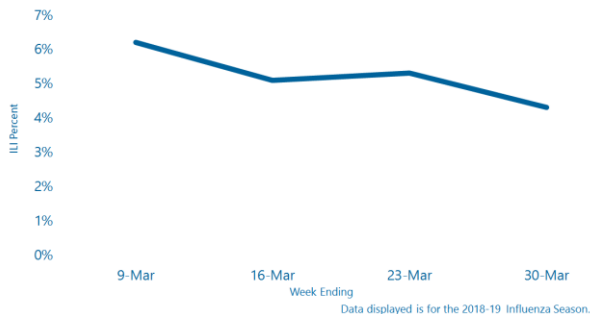
## Virologic Surveillance

This week there were **168** lab-confirmed tests reported. Influenza A was most frequently reported. In the current flu season, there have been **4297** lab-confirmed tests reported.



## Influenza-Like Illness Surveillance

The percent of patient visits to sentinel providers for an influenza-like illness (ILI) was 5.3%, which is above South Carolina's baseline (3.53%). The ILI activity level overall was **high**.



## Influenza-Associated Hospitalizations

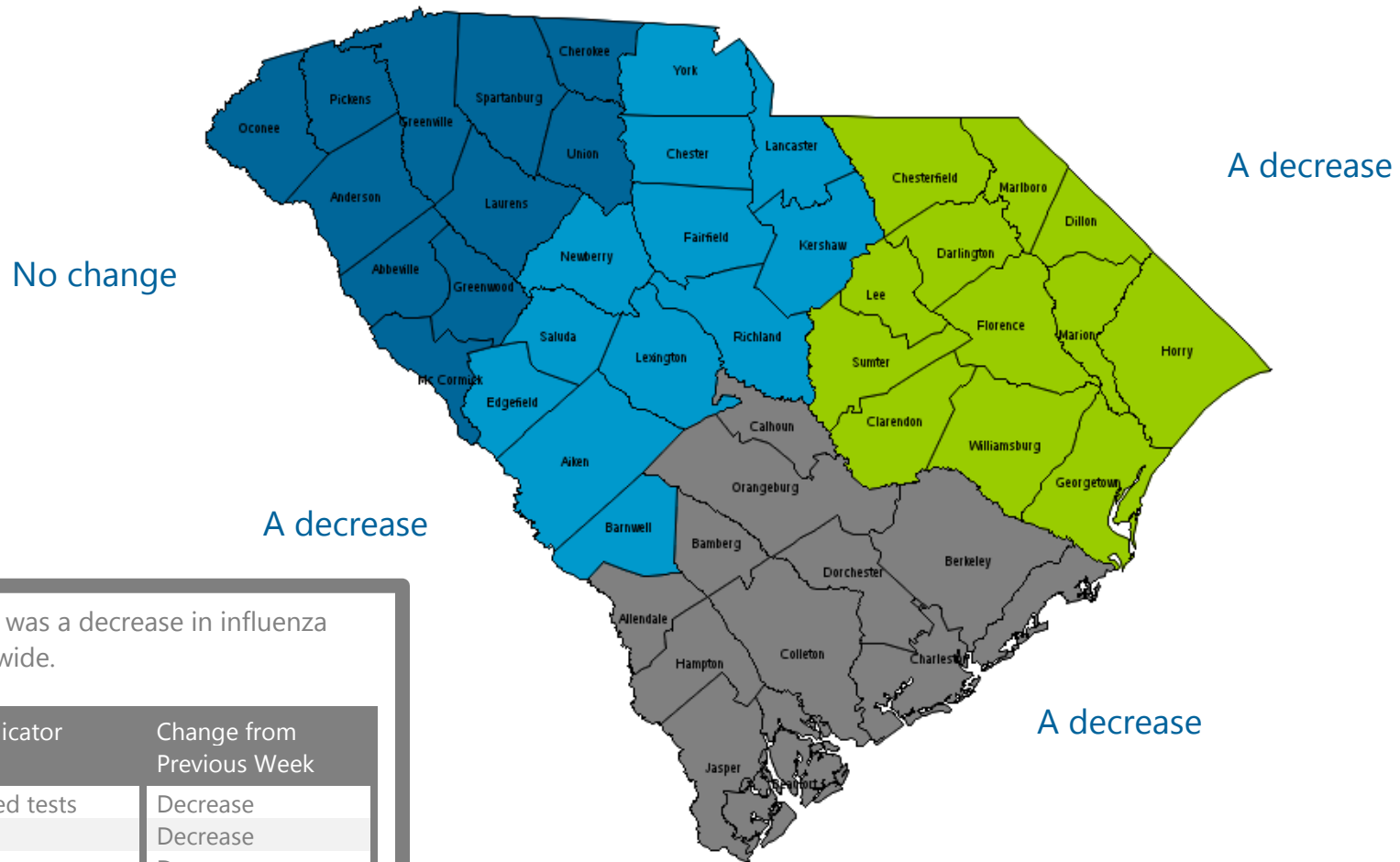
This week 95 influenza-associated hospitalizations were reported by 55 hospitals. The cumulative hospitalization rate is 47.2 per 100,000. In the current flu season, there have been 2372 influenza-associated hospitalizations.

## Influenza-Associated Deaths

This week 7 influenza-associated deaths that occurred this week were reported. The cumulative mortality rate is 1.6 per 100,000. In the current flu season, there have been 79 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	Decrease
Hospitalizations	Decrease

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

# Virologic Surveillance

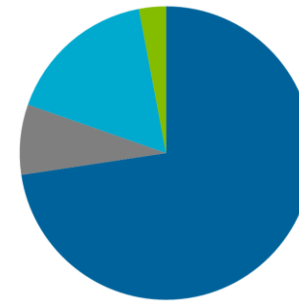
Influenza Type	Season Totals To Date				
	This Week	2018-19	2017-18	2016-17	5 season average
Overall	168	4297	3464	2230	1649
Influenza A	163(97.0)	4172(97.1)	2420(69.9)	1473(66.1)	1232(74.7)
A(H3)	28(17.2)	538(12.9)	528(21.8)	373(25.3)	257(20.9)
A(H1N1)	13(8.0)	410(9.8)	201(8.3)	64(4.3)	284(23.0)
A(NS)*	122(74.8)	3224(77.3)	1691(69.9)	1036(70.3)	691(56.1)
Influenza B	5 (3.0)	125(2.9)	1044(30.1)	757(33.9)	417(25.3)
B (Victoria)	--	2(1.6)	1 (0.1)	--	0.2 (0.1)
B (Yamagata)	--	--	50(4.8)	--	10 (2.4)
B (LND)+	5(100)	123(98.4)	993(95.1)	757(100)	406.8(97.6)

\*NS – not subtyped

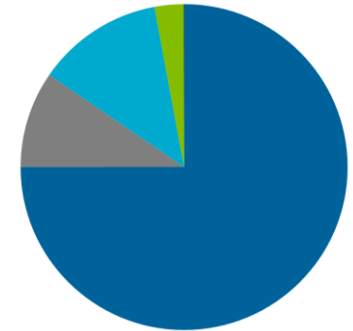
+LND – lineage not determined

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.

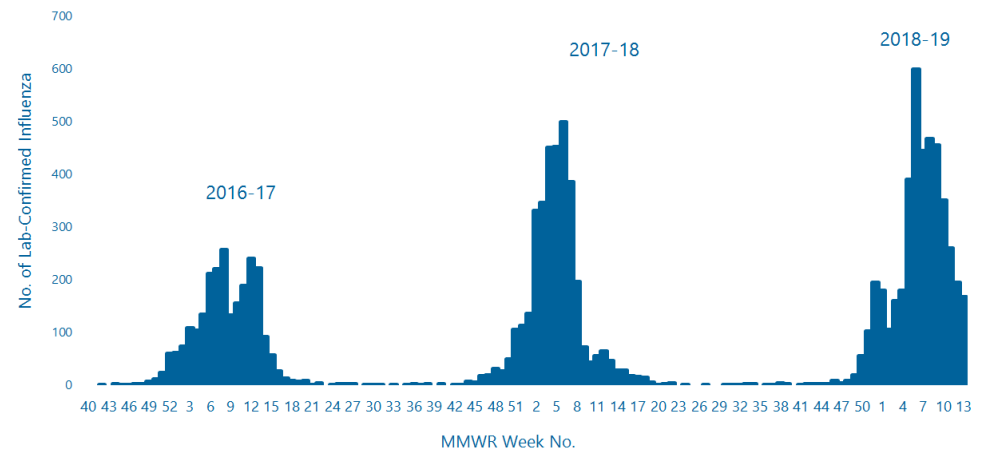
Week ending 3/30



Cumulative



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



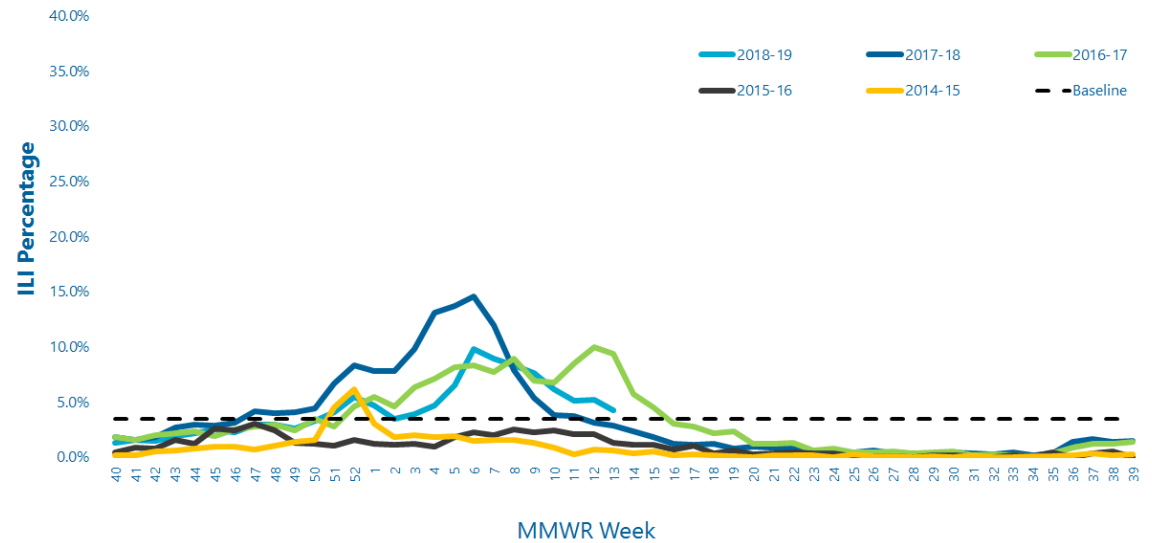
## Influenza-Like Illness Surveillance

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%.

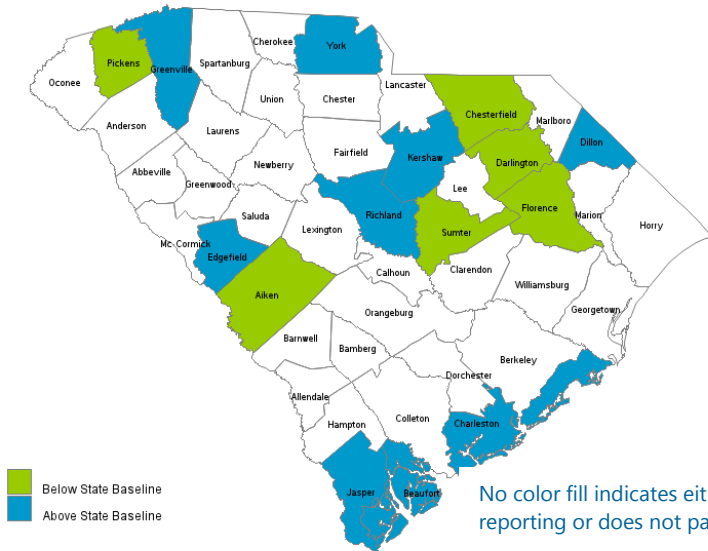
Reports were received from providers in 15 counties, representing all DHEC Public Health regions.

\*\*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



No color fill indicates either no reporting or does not participate.

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

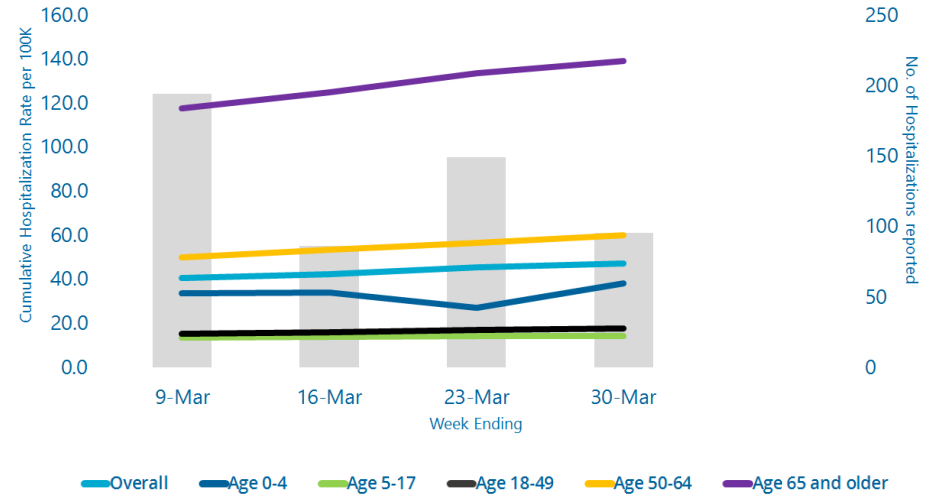
OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
40	44	48	1	5	9	14	18	22	27	31	36
41	45	49	2	6	10	15	19	23	28	32	37
42	46	50	3	7	11	16	20	24	29	33	38
43	47	51	4	8	12	17	21	25	30	34	39
		52			13			26		35	

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	95(1.9)	4(1.4)	1(0.1)	13(0.6)	30(3.0)	47(4.4)
2018-19	2372(47.2)	112(38.1)	115(14.2)	365(17.7)	598(59.9)	1203(139.1)
2017-18	4330(86.2)	152(51.8)	136(16.8)	560(27.2)	1003(101)	2479(286.7)
2016-17	2187(44.1)	88(30.1)	115(14.3)	294(14.4)	488(49.2)	1202(144.9)
5 season average	2517(51.2)	141(48.5)	108(13.4)	404(19.9)	586(59.7)	1277(157.5)

Deaths No. (Rate)	Overall	Ages 0-4	Ages 5-17	Ages 18-49	Ages 50-64	Ages 65+
This Week	7(0.1)	--	--	2(0.1)	--	5(0.6)
2018-19	79(1.6)	2(0.7)	1(0.1)	6(0.3)	20(1.9)	50(5.8)
2017-18	282(5.6)	3(1.0)	--	27(1.3)	49(4.9)	203(23.5)
2016-17	73(1.5)	0	1(0.1)	5(0.2)	11(1.1)	56(6.8)
5 season average	120(2.4)	1 (0.3)	1 (0.1)	14(0.7)	21(2.2)	83(10.1)



Influenza-Associated Deaths by Region

