

SCSL Digital Collections

Flu watch : MMWR Week 24: June 9 to June 15, 2019

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Geographic Spread



South Carolina reported sporadic activity this week.

Influenza Activity



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

Regional Influenza Activity



A decrease



No change



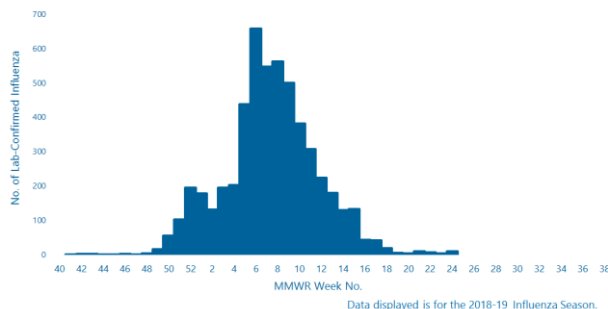
No change



No change

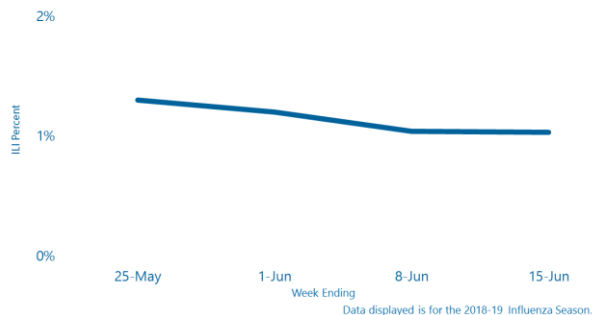
Virologic Surveillance

This week there were **10** lab-confirmed tests reported. Influenza A was most frequently reported. In the current flu season, there have been **4703** lab-confirmed tests reported.



Influenza-Like Illness Surveillance

The percent of patient visits to sentinel providers for an influenza-like illness (ILI) was 1.03%, which is below South Carolina's baseline (3.53%). The ILI activity level overall was minimal



Influenza-Associated Hospitalizations

This week 3 influenza-associated hospitalizations were reported by 35 hospitals. The cumulative hospitalization rate is 53.9 per 100,000. In the current flu season, there have been 2709 influenza-associated hospitalizations.

Influenza-Associated Deaths

This week 0 influenza-associated deaths were reported. The cumulative mortality rate is 1.9 per 100,000. In the current flu season, there have been 97 influenza-associated deaths.

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

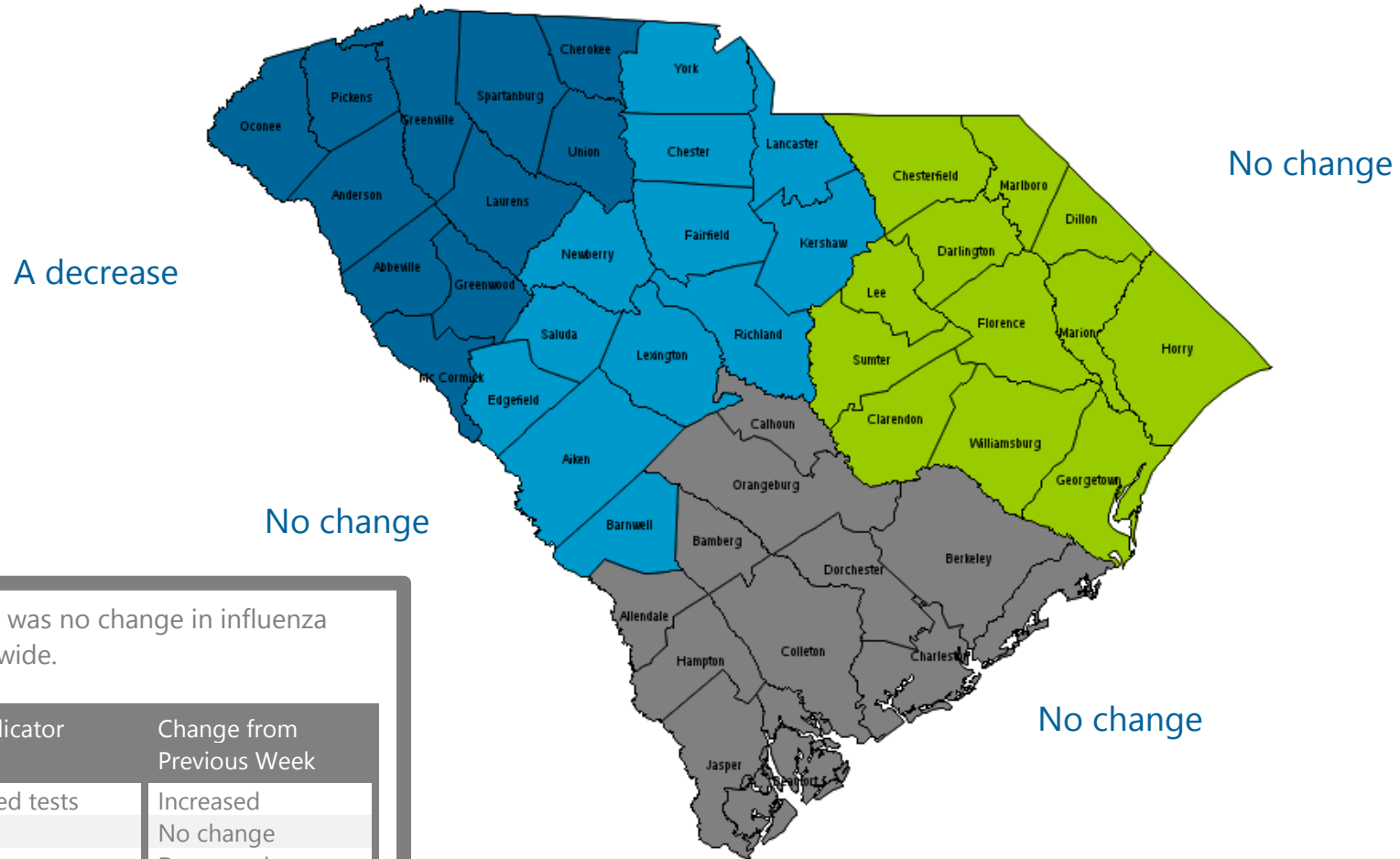
<http://www.scdhec.gov/Health/DiseasesandConditions/InfectiousDiseases/Flu/FluData/>

For national surveillance, please visit:

<https://www.cdc.gov/flu/weekly/>

Influenza Activity*

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



Overall there was no change in influenza activity statewide.

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

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

Virologic Surveillance

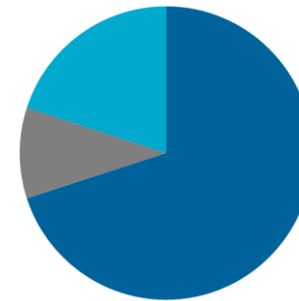
Influenza Type	Season Totals To Date					
	No. (%)	This Week	2018-19	2017-18	2016-17	5 season average
Overall		10	4703	3584	2448	1784
Influenza A		10(100.0)	4552(96.8)	2451(68.4)	1567(64.0)	1286(72.1)
A(H3)		2(20.0)	601(13.2)	533(21.7)	407(26.0)	277(21.5)
A(H1N1)		1(10.0)	462(10.1)	212(8.6)	64(4.1)	299(23.2)
A(NS)*		7(70.0)	3489(76.7)	1706(69.6)	1096(69.9)	710(55.2)
Influenza B		--	151(3.2)	1133(31.6)	881(36.0)	498(27.9)
B (Victoria)		--	2(1.3)	2(0.2)	--	0.4 (0.1)
B (Yamagata)		--	--	55(4.9)	--	11 (2.2)
B (LND)+		--	149(98.7)	1076(95.0)	881(100.0)	487(97.7)

*NS – not subtyped

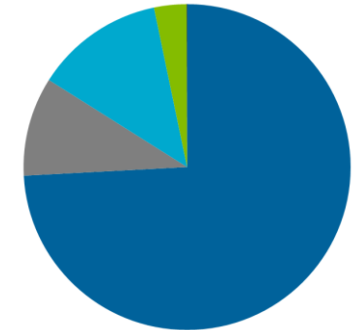
+LND – lineage not determined

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.

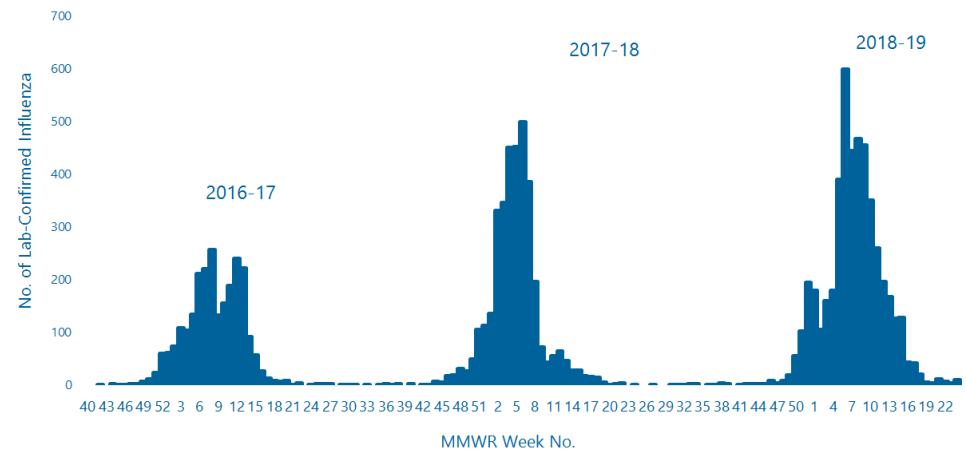
Week ending 6/08



Cumulative



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



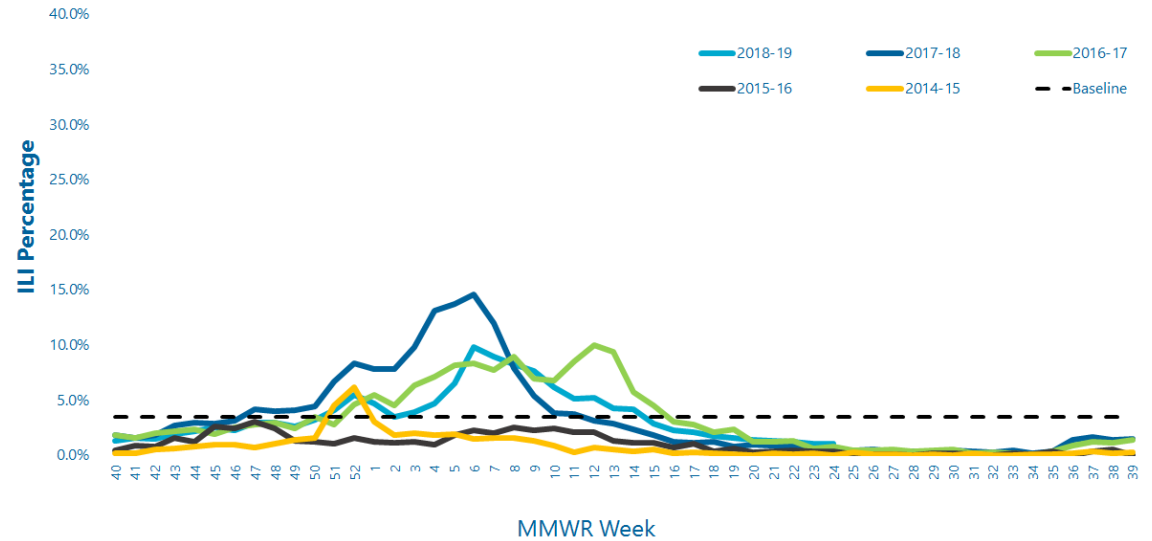
Influenza-Like Illness Surveillance

This week, the ILI activity level was **minimal** and 1.03% of patient visits to SC ILINet providers was attributed to an influenza-like illness. This is below the state baseline, 3.53%.

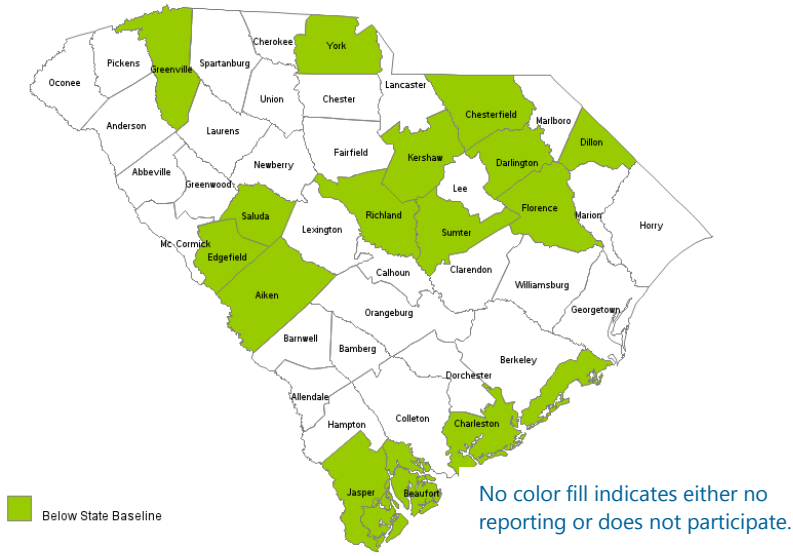
Reports were received from providers in 15 counties, representing all DHEC Public Health regions.

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



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

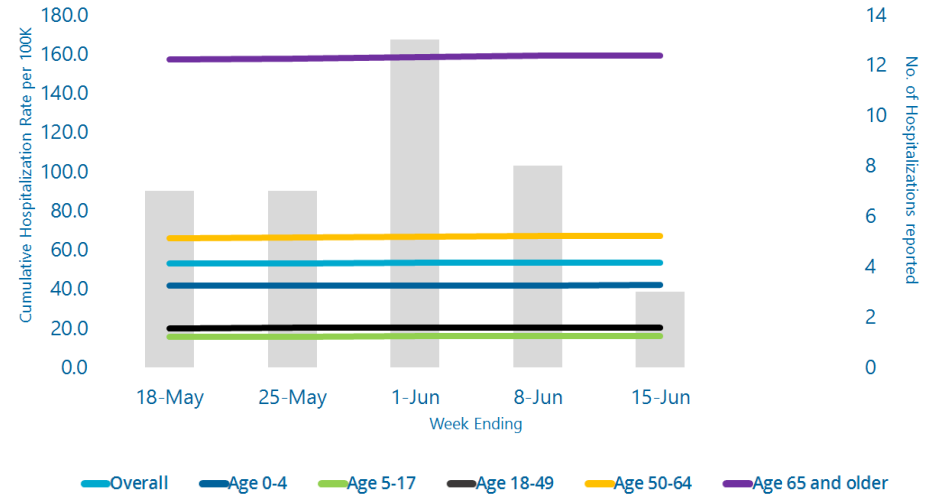
OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
40	44	48	1	5	9	14	18	22	27	31	36
41	45	49	2	6	10	15	19	23	28	32	37
42	46	50	3	7	11	16	20	24	29	33	38
43	47	51	4	8	12	17	21	25	30	34	39
		52			13			26			35

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	3(0.1)	1(0.3)	--	1(0.05)	--	1(0.1)
2018-19	2709(53.9)	124(42.2)	127(15.7)	414(20.1)	668(66.9)	1376(159.2)
2017-18	4506(89.7)	159(54.1)	141(17.4)	585(28.4)	1054(105.6)	2567(296.7)
2016-17	2511(50.6)	116(39.7)	132(16.4)	338(16.6)	563(56.8)	1362(164.2)
5 season average	2727(55.4)	158(54.4)	119(14.9)	442(21.7)	640(65.2)	1367(168.6)

Deaths No. (Rate)	Overall	Ages 0-4	Ages 5-17	Ages 18-49	Ages 50-64	Ages 65+
This Week	--	--	--	--	--	--
2018-19	97(1.9)	2(0.7)	1(0.1)	7(0.4)	25(2.3)	62(7.3)
2017-18	291(5.8)	3(1.0)	--	27(1.3)	52(5.2)	209(24.2)
2016-17	96(1.9)	1(0.3)	1(0.1)	9(0.4)	16(1.6)	69(8.3)
5 season average	129(2.6)	1 (0.3)	1 (0.1)	15(0.7)	24(2.4)	89(10.8)



Influenza-Associated Deaths by Region

