

## Geographic Spread



South Carolina reported **sporadic activity** this week.



## Influenza-Associated Hospitalizations and Deaths

A total of **15** influenza-associated hospitalizations were reported by 27 hospitals. The cumulative hospitalization rate is **90.1** per 100,000. There were **2** laboratory-confirmed influenza-associated deaths reported; however, **all** deaths occurred in previous weeks. The cumulative mortality rate is **5.5** per 100,000. Compared to the previous week, the number of reported hospitalizations **decreased** by **1 (6.3%)** and number of reported deaths **decreased** by **1 (100%)**. In the current flu season, there have been **4,473** influenza-associated hospitalizations and **271** influenza-associated deaths reported.



## Virologic Surveillance

A total of **201** influenza cases (**196** positive rapid antigen detection tests; **5** lab-confirmed tests) were reported from 23 counties representing all four DHEC Public Health regions. Influenza B was most frequently reported by clinical labs. Compared to the previous week, this is a **decrease** of **95** cases (**32.1%**). In the current flu season, there have been **134,940** influenza cases (**131,428** positive rapid antigen detection tests; **3,512** lab-confirmed tests) reported.



## Influenza-Like Illness Surveillance

The percent of patient visits to sentinel providers for an influenza-like illness (ILI) was **0.87%**, which is **below** South Carolina's baseline (**3.13%**). Compared to the previous week, this is a **decrease** of **0.45%**.

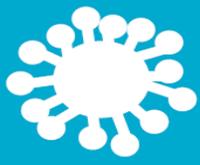
The ILI activity level was **minimal**.

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/>

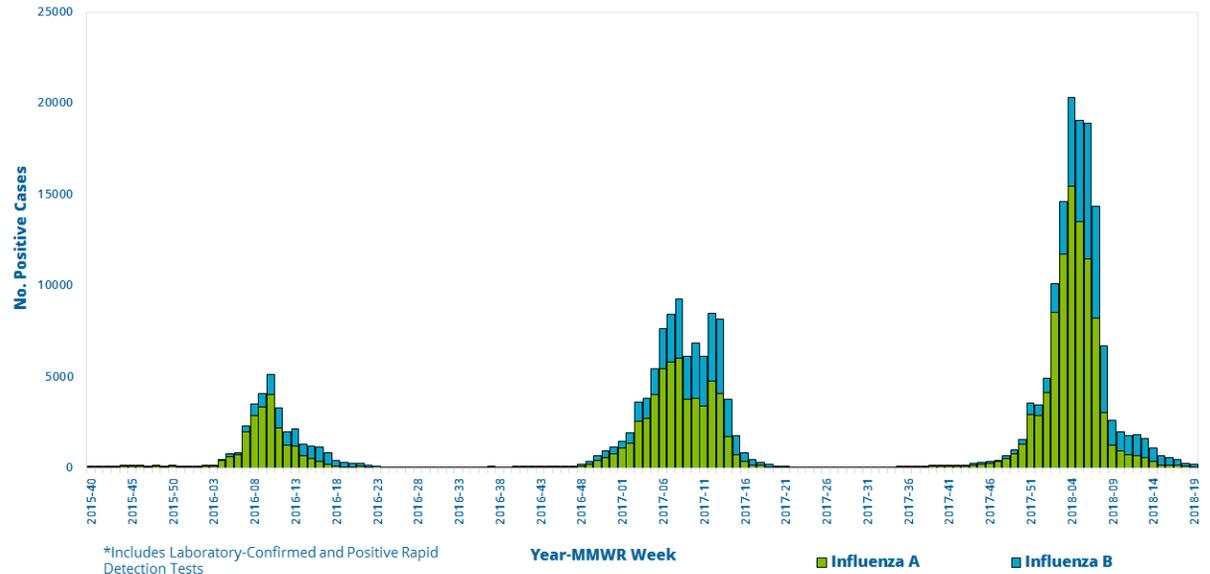


# Virologic Surveillance

This week, **5** lab-confirmed cases and **196** positive rapid influenza detection tests were reported by clinical labs.

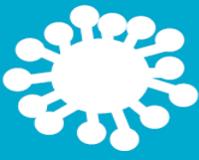
**Influenza B** was most frequently reported by clinical labs.

**Influenza Cases\* Reported by Clinical and Public Health Labs, 2015-16 Season to Present**



**Influenza Cases Reported by Public Health and Clinical Labs, This Week and Season Total**

Influenza Type	Public Health Lab		Clinical Labs		Total	
	This Week	Season Total	This Week	Season Total	This Week	Season Total
<b>Overall</b>	<b>0</b>	<b>189</b>	<b>201</b>	<b>134751</b>	<b>201</b>	<b>134940</b>
<b>Influenza A</b>	<b>0</b>	<b>133 (70.4%)</b>	<b>57 (28.4%)</b>	<b>91035 (67.5%)</b>	<b>57 (28.4%)</b>	<b>91168 (67.5%)</b>
A (H3)	--	101 (75.9%)	---	389 (0.4%)	---	490 (0.5%)
A (H1N1)	--	32 (24.1%)	1 (1.8%)	168 (0.2%)	1 (1.8%)	200 (0.2%)
A (not subtyped)	--	--	56 (98.2%)	90478 (99.4%)	56 (98.2%)	90478 (99.3%)
<b>Influenza B</b>	<b>0</b>	<b>56 (29.6%)</b>	<b>141 (70.1%)</b>	<b>43202 (32.1%)</b>	<b>141 (70.1%)</b>	<b>43258 (32.1%)</b>
B (Victoria)	--	2 (3.5%)	--	--	--	2 (0.0%)
B (Yamagata)	--	49 (87.5%)	--	--	--	49 (0.1%)
B (lineage not performed)	--	5 (9.0%)	141 (100%)	43202 (100%)	141 (100%)	43207 (99.9%)
<b>Influenza (not typed)</b>	--	--	<b>3 (1.5%)</b>	<b>514 (0.4%)</b>	<b>3 (1.5%)</b>	<b>514 (0.4%)</b>



# Virologic Surveillance

Map of Influenza Cases (n)\*  
and Influenza Case Rate/100,000 By County  
For Week Ending 5/12/2018

Weekly Influenza Case Rate per 100K

0 to 25 persons



26 to 50 persons



51 to 75 persons



Greater than 75 persons



\*Includes all lab-confirmed and positive rapid cases



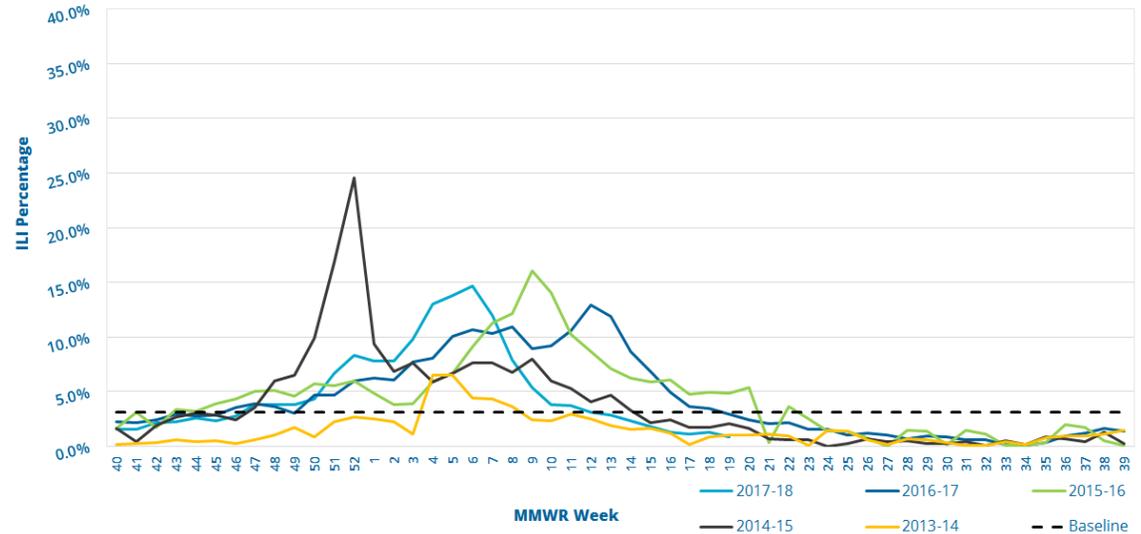
# Influenza-Like Illness Surveillance

This week, the ILI activity level was **minimal** and **0.87%** of patient visits to SC ILINet providers was attributed to an influenza-like illness. This is **below** the state baseline, **3.13%**.

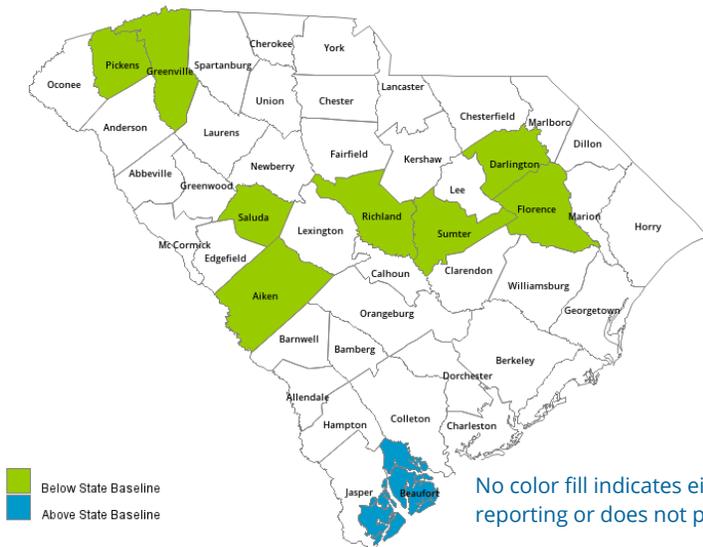
Reports were received from providers in 9 counties, representing all 4 DHEC Public Health regions.

\*\*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 2017-18 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	35
41	45	49	2	6	10	15	19	23	28	32	36
42	46	50	3	7	11	16	20	24	29	33	37
43	47	51	4	8	12	17	21	25	30	34	38
		52			13			26			39

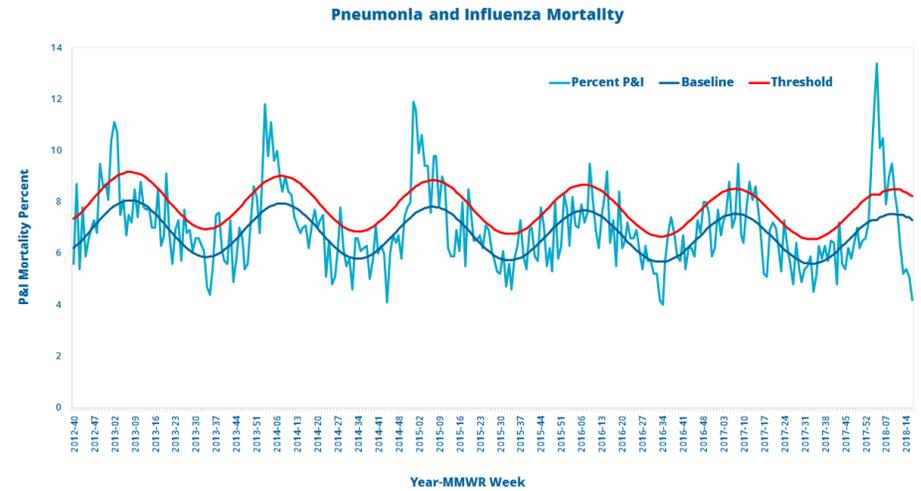
ILI ACTIVITY LEVELS: **MINIMAL** **LOW** **MODERATE** **HIGH**



# Influenza-Associated Hospitalizations And Deaths

Age Group	Hospitalizations			Deaths		
	This Week	Rate per 100,000	Season Total	This Week	Rate per 100,000	Season Total
0 to 4	1	53.6	157	--	1.0	3
5 to 17	1	17.3	139	--	--	--
18 to 49	4	29.1	583	--	1.3	27
50 to 64	4	115.3	1050	--	4.9	45
65 & older	5	402.6	2544	1	31.0	196
Total	15	90.1	4473	1	5.5	271

The percentage of deaths attributed to pneumonia and influenza was 4.2%. This is **below** the epidemic threshold for the week ending April 21, 2018.



Reported Influenza-Associated Hospitalizations by Age Group, 2015-16 Season to Present

