

## Geographic Spread



South Carolina reported **widespread activity** this week. This is the **sixth week** at widespread activity.

Data (e.g. reported cases and hospitalizations) from the 2014-15 season are included in this report.



## Influenza-Associated Hospitalizations and Deaths

A total of **470** influenza-associated hospitalizations were reported by 50 hospitals. The cumulative hospitalization rate is **35.5** per 100,000. There were **22** laboratory-confirmed influenza-associated death reported; however, **5** deaths occurred in previous weeks. The cumulative mortality rate is **0.9** per 100,000. Compared to the previous week, the number of reported hospitalizations **decreased** by **13 (3.0%)** and number of reported deaths **increased** by **8 (88.9%)**. In the current flu season, there have been **1,762** influenza-associated hospitalizations and **46** influenza-associated deaths reported.



## Virologic Surveillance

A total of **13,932** influenza cases (**13,663** positive rapid antigen detection tests; **269** lab-confirmed tests) were reported from 44 counties representing all four DHEC Public Health regions. Influenza A was most frequently reported by clinical labs and Influenza A(H3) was most frequently reported by the public health lab. Compared to the previous week, this is an **increase** of **3,540** cases (**34.0%**). In the current flu season, there have been **40,940** influenza cases (**39,879** positive rapid antigen detection tests; **1,061** lab-confirmed tests) reported.

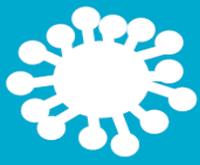
For a description of South Carolina's influenza surveillance components and definitions go to: <http://www.scdhec.gov/Health/DiseasesandConditions/InfectiousDiseases/Flu/FluData/>



## Influenza-Like Illness Surveillance

The percent of patient visits to sentinel providers for an influenza-like illness (ILI) was **13.33%**, which is **above** South Carolina's baseline (**3.13%**). Compared to the previous week, this is an **increase** of **4.75%**.

The ILI activity level was **high**.



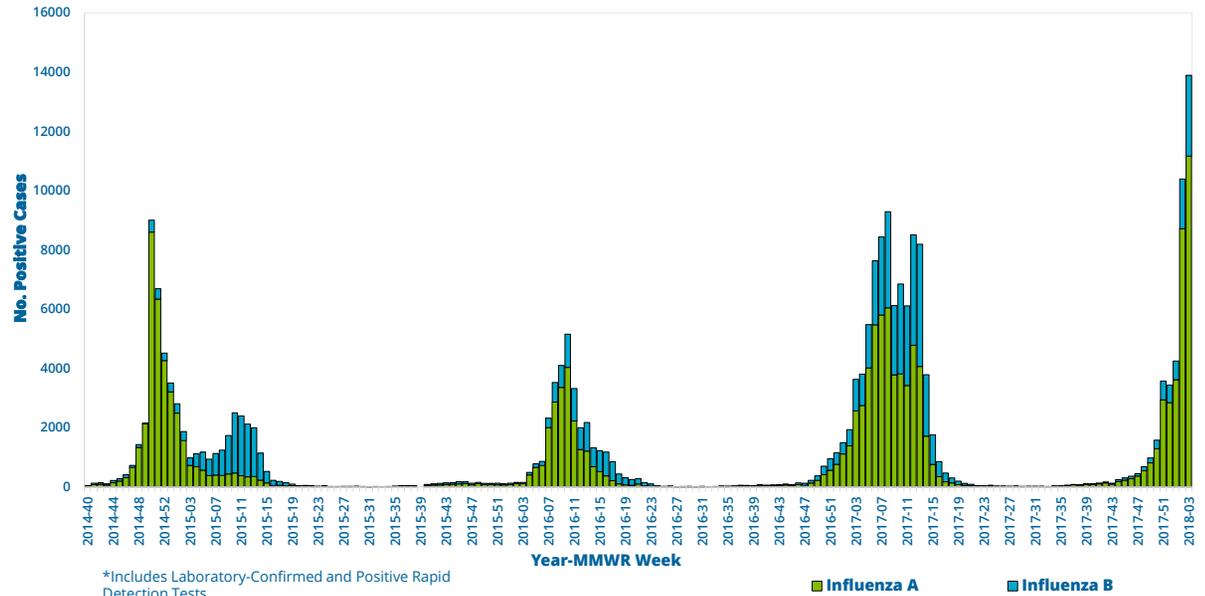
# Virologic Surveillance

This week, **269** lab-confirmed cases and **13,663** positive rapid influenza detection tests were reported by public health and clinical labs.

The percentage of specimens sent to the state public health lab that tested positive for influenza was **100%**.

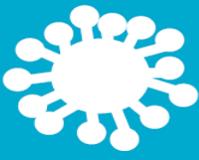
**Influenza A** was most frequently reported by clinical labs and **influenza A (H3)** was most frequently reported by the public health lab.

**Influenza Cases\* Reported by Clinical and Public Health Labs, 2014-15 Season to Present**



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

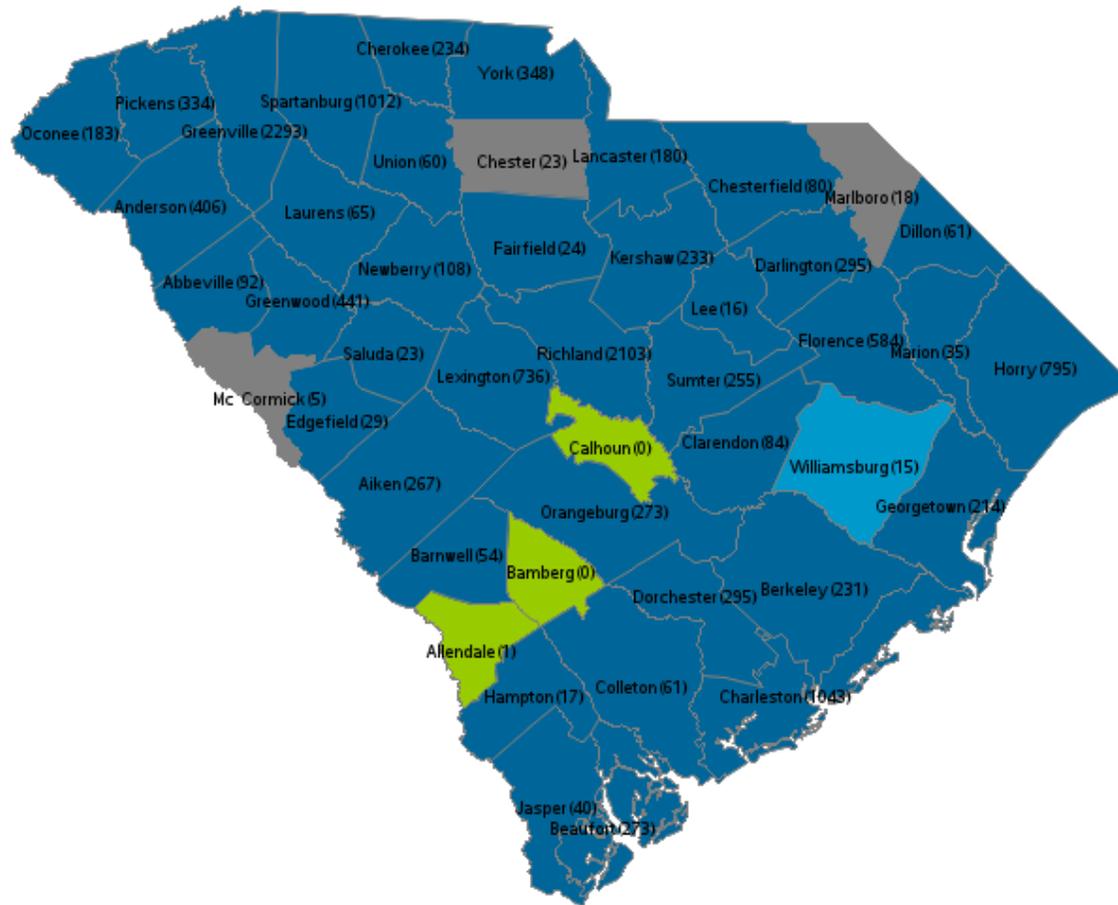
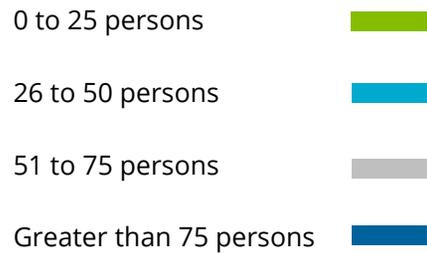
Influenza Type	Public Health Lab		Clinical Labs		Total	
	This Week	Season Total	This Week	Season Total	This Week	Season Total
<b>Overall</b>	<b>1</b>	<b>89</b>	<b>13,931</b>	<b>40,851</b>	<b>13,932</b>	<b>40,940</b>
<b>Influenza A</b>	<b>1 (100%)</b>	<b>74 (83.1%)</b>	<b>11,163 (80.1%)</b>	<b>33,380 (81.7%)</b>	<b>11,164 (80.1%)</b>	<b>33,454 (81.7%)</b>
A (H3)	1 (100%)	64 (86.5%)	27 (0.3%)	148 (0.5%)	28 (0.3%)	212 (0.6%)
A (H1N1)	--	10 (13.5%)	14 (0.1%)	39 (0.1%)	14 (0.1%)	49 (0.2%)
A (not subtyped)	--	--	11,122 (99.6%)	33,193 (99.4%)	11,122 (99.6%)	33,193 (99.2%)
<b>Influenza B</b>	<b>0</b>	<b>15 (16.9%)</b>	<b>2,732 (19.6%)</b>	<b>7,294 (17.9%)</b>	<b>2,732 (19.6%)</b>	<b>7,309 (17.9%)</b>
B (Victoria)	--	--	--	--	--	--
B (Yamagata)	--	13 (86.7%)	--	--	--	13 (0.2%)
B (lineage not performed)	--	2 (13.3%)	2,732 (100%)	7,294 (100%)	2,732 (100%)	7,296 (99.8%)
<b>Influenza (not typed)</b>	<b>--</b>	<b>--</b>	<b>36 (0.3%)</b>	<b>177 (0.4%)</b>	<b>36 (0.3%)</b>	<b>177 (0.4%)</b>



# Virologic Surveillance

Map of Influenza Cases (n)\*  
and Influenza Case Rate/100,000 By County  
For Week Ending 1/20/2018

Weekly Influenza Case Rate per 100K



\*Includes all lab-confirmed and positive rapid cases



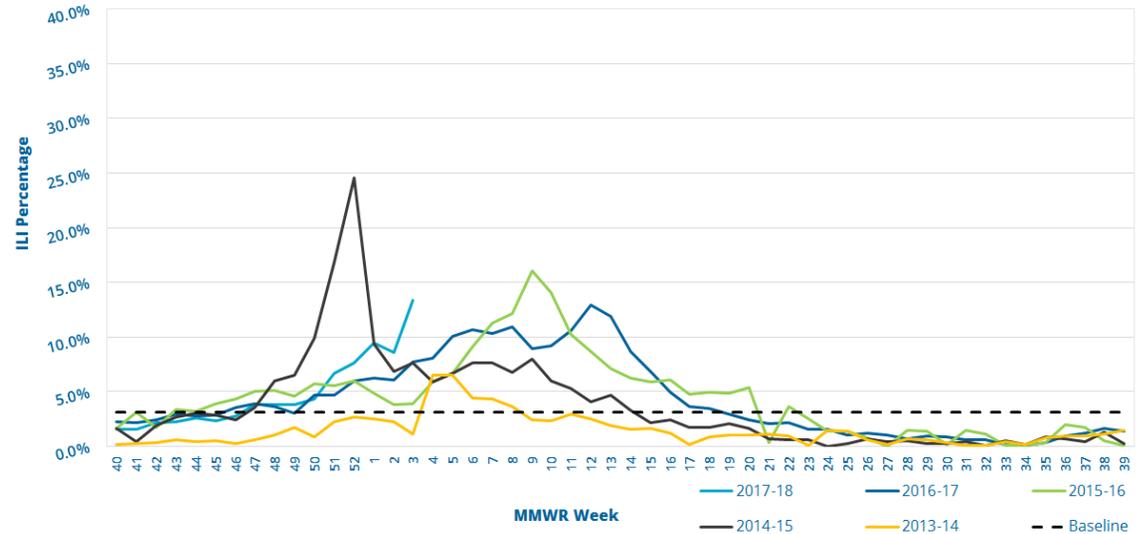
# Influenza-Like Illness Surveillance

This week, the ILI activity level was **high** and **13.33%** of patient visits to SC ILINet providers was attributed to an influenza-like illness. This is **above** the state baseline, **3.13%**.

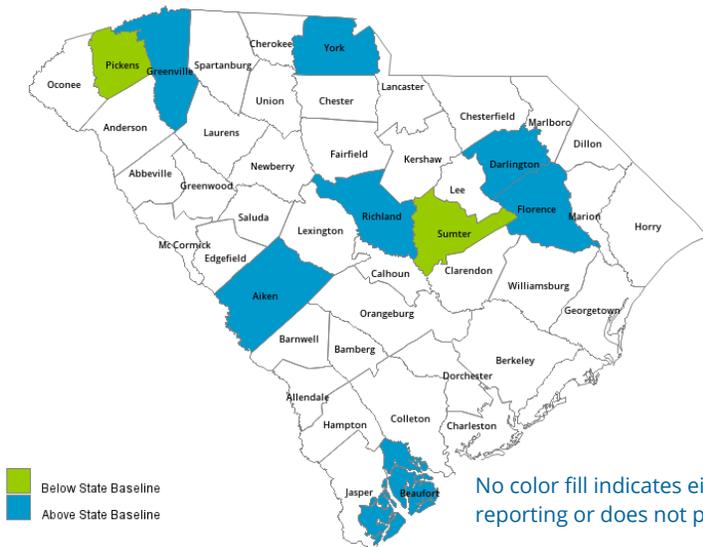
Reports were received from providers in 9 counties, representing all 4 DHEC Public Health regions.

\*\*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**

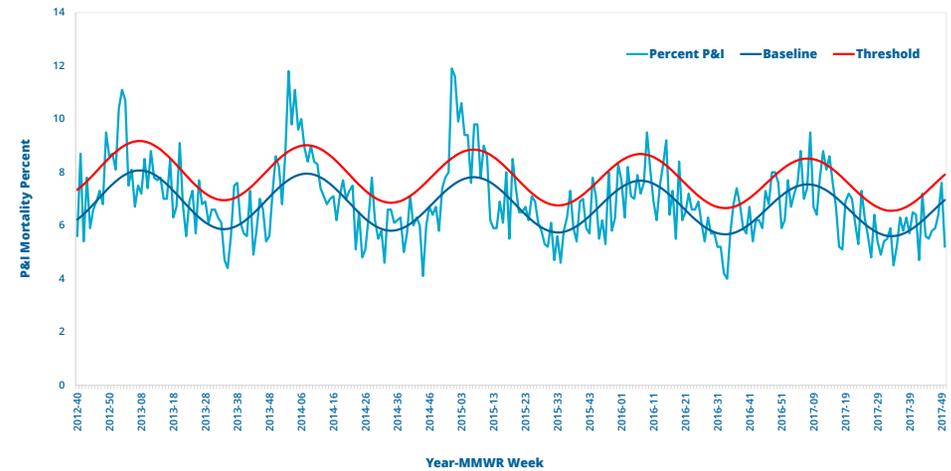


# Influenza-Associated Hospitalizations And Deaths

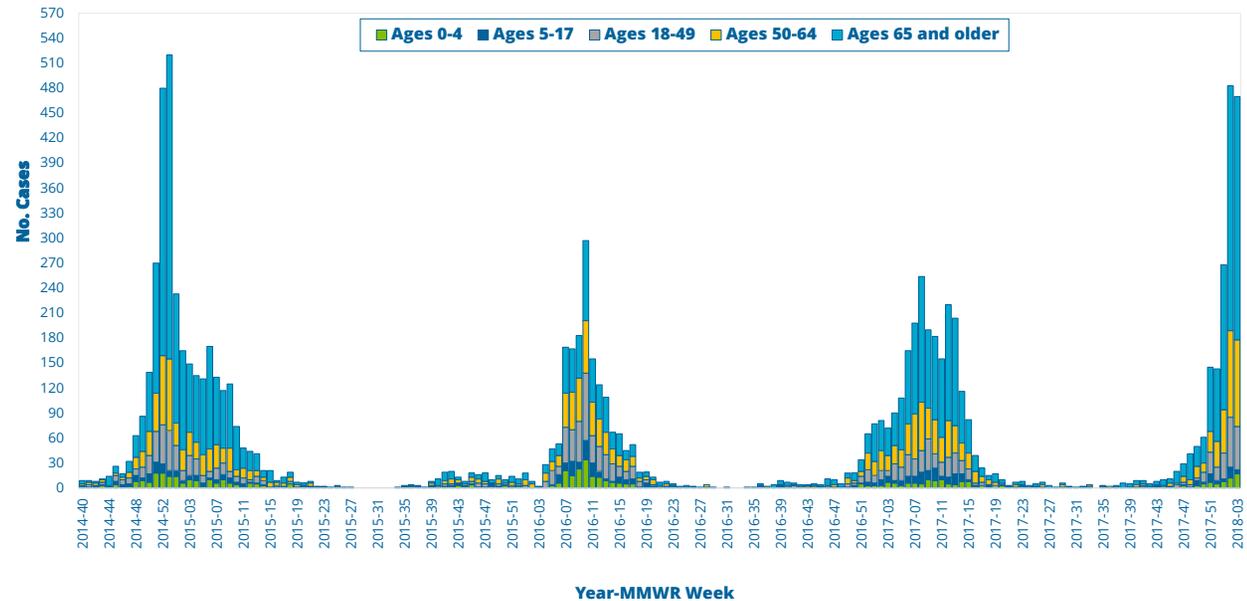
Age Group	Hospitalizations			Deaths		
	This Week	Rate per 100,000	Season Total	This Week	Rate per 100,000	Season Total
0 to 4	17	21.5	63	--	--	--
5 to 17	5	5.8	47	--	--	--
18 to 49	52	10.8	217	3	0.2	4
50 to 64	104	40.4	368	4	1.0	9
65 & older	292	168.9	1067	10	5.2	33
Total	470	35.5	1762	17	0.9	46

The percentage of deaths attributed to pneumonia and influenza was 5.2%. This is **below** the epidemic threshold for the week ending December 16, 2017.

Pneumonia and Influenza Mortality



Reported Influenza-Associated Hospitalizations by Age Group, 2014-15 Season to Present



Influenza-Associated Deaths by Region

