

## Geographic Spread



South Carolina reported **widespread activity** this week. This is the **seventh 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 **601** influenza-associated hospitalizations were reported by 52 hospitals. The cumulative hospitalization rate is **47.7** per 100,000. There were **38** laboratory-confirmed influenza-associated death reported; however, **8** deaths occurred in previous weeks. The cumulative mortality rate is **1.7** per 100,000. Compared to the previous week, the number of reported hospitalizations **increased** by **129 (27.3%)** and number of reported deaths **increased** by **6 (25.0%)**. In the current flu season, there have been **2,365** influenza-associated hospitalizations and **84** influenza-associated deaths reported.



## Virologic Surveillance

A total of **17,894** influenza cases (**17,526** positive rapid antigen detection tests; **368** lab-confirmed tests) were reported from 46 counties representing all four DHEC Public Health regions. Influenza A was most frequently reported by clinical labs and Influenza A(H3) and A(H1N1) was most frequently reported by the public health lab. Compared to the previous week, this is an **increase** of **3,621** cases (**25.4%**). In the current flu season, there have been **59,425** influenza cases (**57,945** positive rapid antigen detection tests; **1,480** 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 **15.45%**, which is **above** South Carolina's baseline (**3.13%**). Compared to the previous week, this is an **increase** of **2.29%**.

The ILI activity level was **high**.



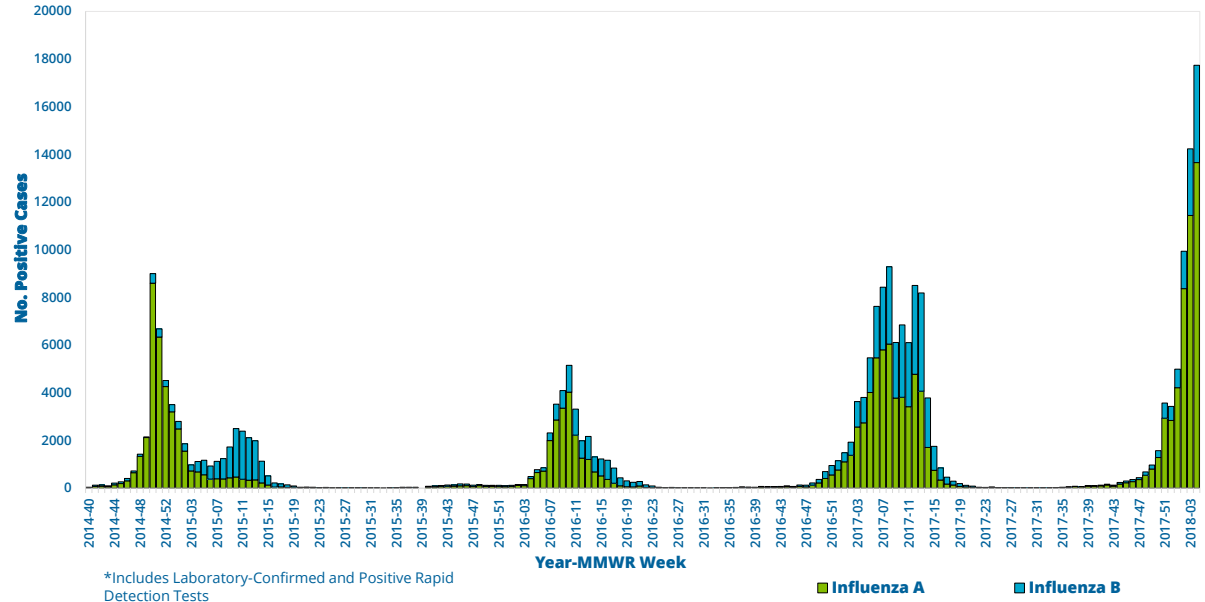
# Virologic Surveillance

This week, **368** lab-confirmed cases and **17,526** 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 **92.3%**.

**Influenza A** was most frequently reported by clinical labs and **influenza A (H3)** and **influenza A (H1N1)** 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**

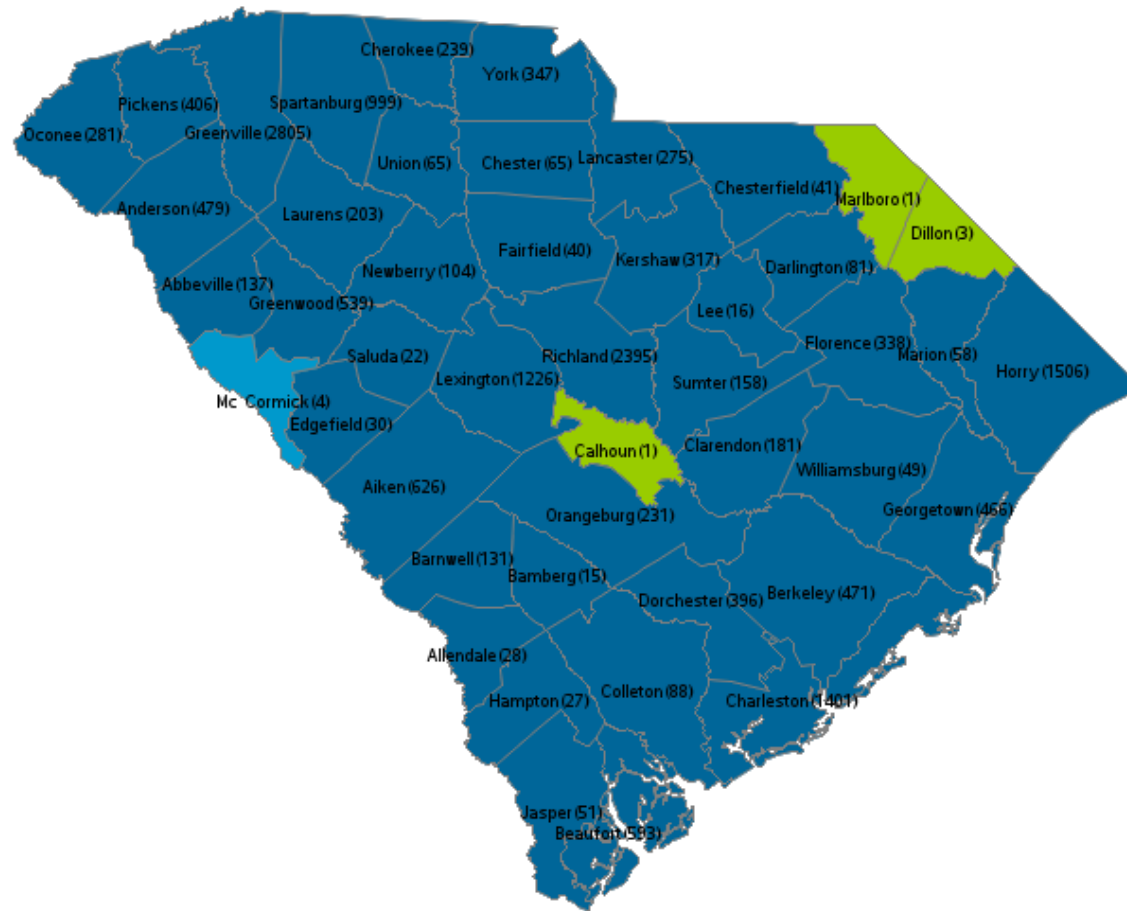
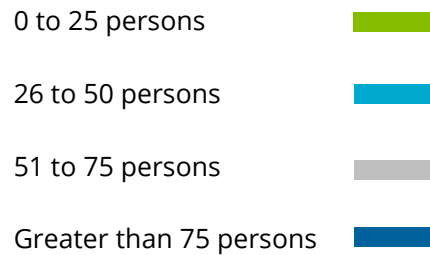
Influenza Type	Public Health Lab		Clinical Labs		Total	
	This Week	Season Total	This Week	Season Total	This Week	Season Total
<b>Overall</b>	<b>11</b>	<b>113</b>	<b>17883</b>	<b>59312</b>	<b>17894</b>	<b>59425</b>
<b>Influenza A</b>	<b>8 (72.7%)</b>	<b>92 (81.4%)</b>	<b>13651 (76.4%)</b>	<b>47517 (80.1%)</b>	<b>13659 (76.4%)</b>	<b>47609 (80.1%)</b>
A (H3)	4 (50.0%)	74 (80.4%)	46 (0.3%)	199 (0.4%)	50 (0.4%)	273 (0.6%)
A (H1N1)	4 (50.0%)	18 (19.6%)	9 (0.1%)	48 (0.1%)	13 (0.1%)	66 (0.1%)
A (not subtyped)	--	--	13596 (99.6%)	47270 (99.5%)	13596 (76.0%)	47270 (99.3%)
<b>Influenza B</b>	<b>3 (27.3%)</b>	<b>21 (18.6%)</b>	<b>4081 (22.8%)</b>	<b>11467 (19.3%)</b>	<b>4084 (22.8%)</b>	<b>11488 (19.3%)</b>
B (Victoria)	--	--	--	--	--	--
B (Yamagata)	2 (67.0%)	18 (85.7%)	--	--	2 (0.1%)	18 (0.2%)
B (lineage not performed)	1 (33.0%)	3 (14.3%)	4081 (100%)	11467 (100%)	4082 (99.9%)	11470 (99.8%)
<b>Influenza (not typed)</b>	<b>--</b>	<b>--</b>	<b>151 (0.8%)</b>	<b>328 (0.6%)</b>	<b>151 (0.8%)</b>	<b>328 (0.6%)</b>



# Virologic Surveillance

Map of Influenza Cases (n)\*  
and Influenza Case Rate/100,000 By County  
For Week Ending 1/27/2018

Weekly Influenza Case Rate per 100K



\*Includes all lab-confirmed and positive rapid cases



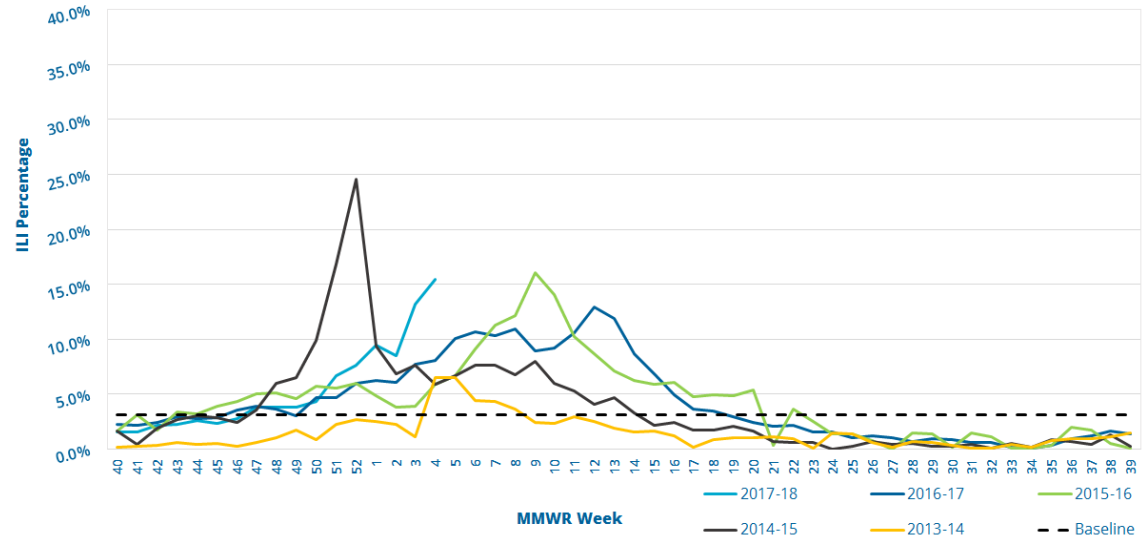
# Influenza-Like Illness Surveillance

This week, the ILI activity level was **high** and **15.45%** of patient visits to SC ILINet providers was attributed to an influenza-like illness. This is **above** the state baseline, **3.13%**.

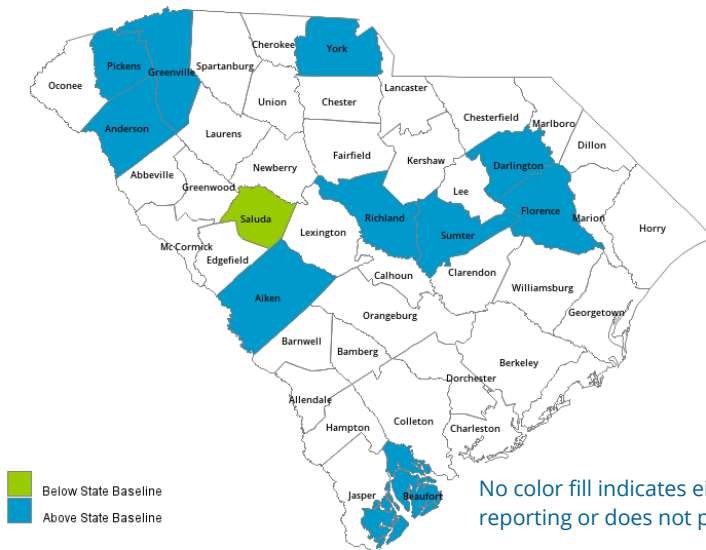
Reports were received from providers in 11 counties, representing all 4 DHEC Public Health regions.

\*\*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

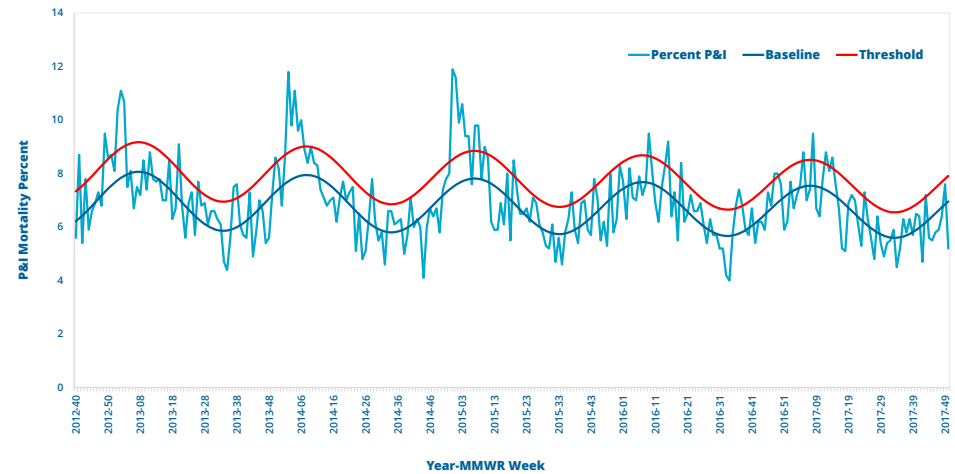


# Influenza-Associated Hospitalizations And Deaths

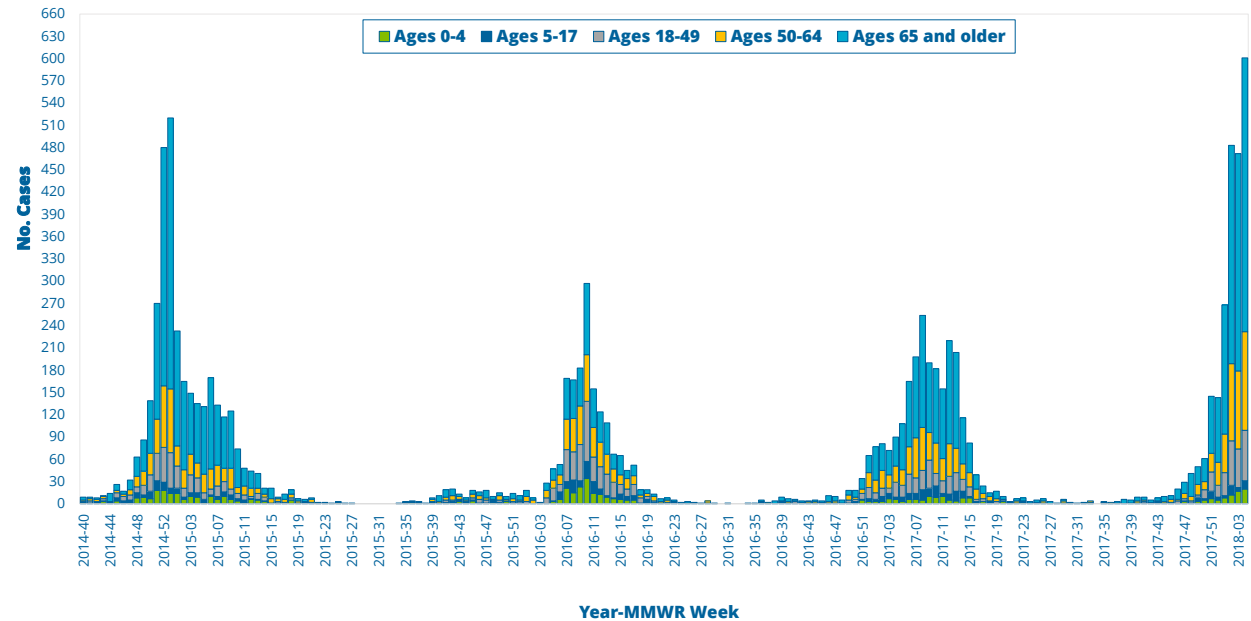
Age Group	Hospitalizations			Deaths		
	This Week	Rate per 100,000	Season Total	This Week	Rate per 100,000	Season Total
0 to 4	20	28.3	83	--	--	--
5 to 17	11	7.2	58	--	--	--
18 to 49	68	14.2	285	3	0.3	7
50 to 64	133	55.1	502	6	1.6	15
65 & older	369	227.4	1437	21	9.8	62
Total	601	47.7	2365	30	1.7	84

The percentage of deaths attributed to pneumonia and influenza was 5.6%. This is **below** the epidemic threshold for the week ending January 6, 2018.

Pneumonia and Influenza Mortality



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



Influenza-Associated Deaths by Region

