

Flu Watch

MMWR Week 46: November 12 to November 18, 2017

All data are provisional and subject to change as more reports are received.

Geographic Spread



South Carolina reported **regional activity** this week. This is the **third** consecutive week at regional activity.



Influenza-Associated Hospitalizations and Deaths

A total of **20** influenza-associated hospitalizations were reported by 42 hospitals. The cumulative hospitalization rate is **1.5** per 100,000. There were **0** laboratory-confirmed influenza-associated deaths reported. The cumulative mortality rate is **0.02** per 100,000. Compared to the previous week, the number of reported hospitalizations **increased** by 9 (82.8%). In the current flu season, there have been **72** influenza-associated hospitalizations and **1** influenza-associated death reported.



Virologic Surveillance

A total of **356** influenza cases (**340** positive rapid antigen detection tests; **16** lab-confirmed tests) were reported from 30 counties representing all four DHEC Public Health regions. Influenza A was most frequently reported by clinical labs. Compared to the previous week, this is an **increase** of 50 cases (16.3%). In the current flu season, there have been **1,460** influenza cases (1,426 positive rapid antigen detection tests; 34 lab-confirmed tests) reported.

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

ili

Influenza-Like Illness Surveillance

The percent of patient visits to sentinel providers for an influenza-like illness (ILI) was **2.62%**, which is **below** South Carolina's baseline **(3.13%)**. Compared to the previous week, this is an **increase** of **0.24%**.

The ILI activity level was **low.**

For national surveillance, please visit: https://www.cdc.gov/flu/weekly/

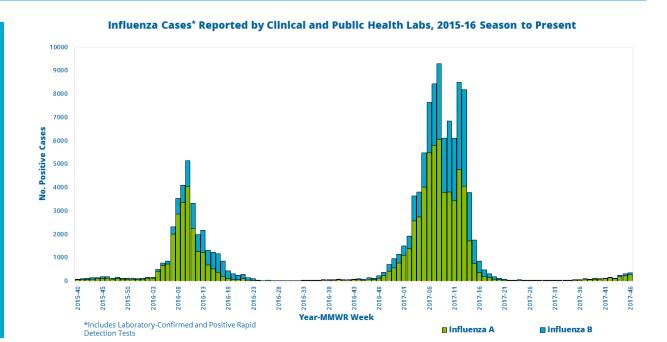


Virologic Surveillance

This week, **16** lab-confirmed cases and **340** positive rapid influenza detection tests were reported by clinical labs.

The percentage of specimens sent to the state public health lab that tested positive for influenza was **n/a**.

Influenza A was most frequently reported by clinical labs while the state public health lab did not report any positive influenza results.

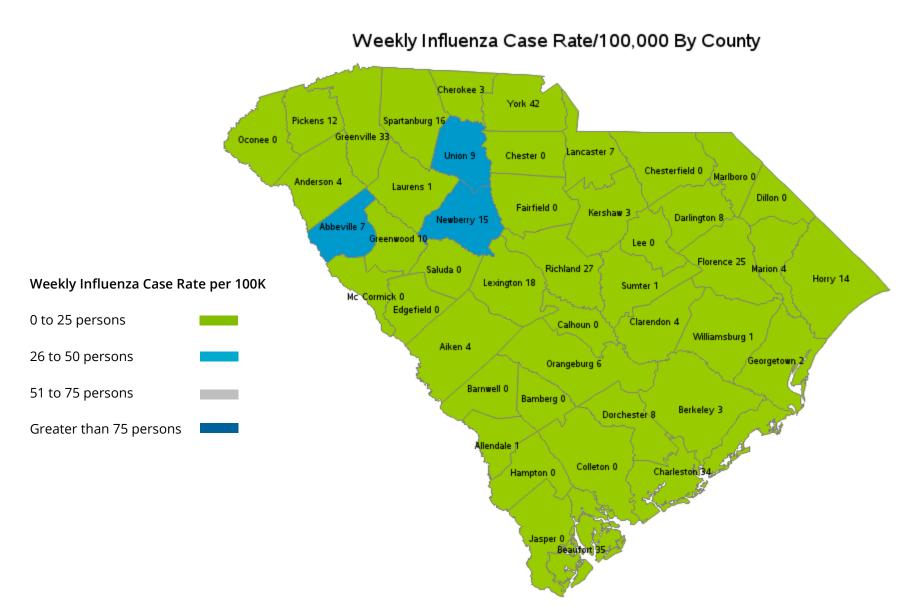


Influenza Cases Reported by Public Health and Clinical Labs, This Week and Season Total

| Influenza Type | Public | Health Lab | Cli | inical Labs | Total | | |
|---------------------------|--------------|--------------|----------------------|--------------|-----------------------|--------------|--|
| | This Week | Season Total | This Week | Season Total | This Week | Season Total | |
| Overall | 0 | 7 | 356 | 1453 | 356 | 1460 | |
| Influenza A | 0 | 6 (85.7%) | 268 (75.3%) | 1080 (74.3%) | 268 (75.3%) | 1086 (74.4%) | |
| A (H3) | | 6 (100%) | 6 (2.2%) | 11 (1.0%) | 6 (2.2%) | 17 (1.6%) | |
| A (H1N1) | | | | | | ` <u></u> | |
| A (not subtyped) | | | 262 (97.8%) | 1069 (99.0%) | 262 (97.8%) | 1069 (98.4%) | |
| Influenza B | 0 | 1 (14.3%) | 88 (24.7%) | 350 (24.1%) | 88 (24.7%) | 351 (24.0%) | |
| B (Victoria) | | | | | | | |
| B (Yamagata) | | 1 (100%) | | | | 1 (0.3%) | |
| B (lineage not performed) | - | | 88 (100%) 350 (100%) | | 88 (100%) 350 (99.7%) | | |
| Influenza (not typed) | | | 0 | 23 (1.6%) | 0 | 23 (1.6%) | |



Virologic Surveillance



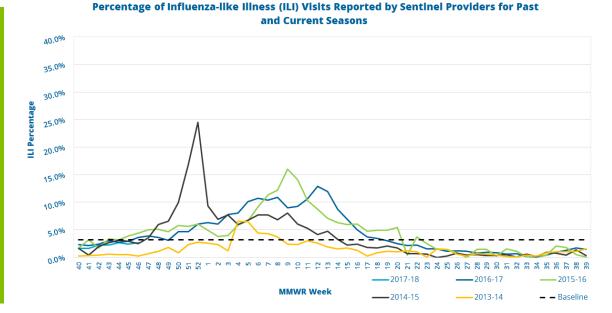


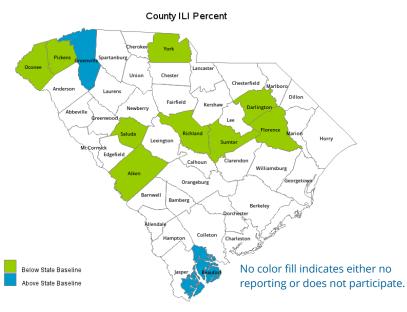
Influenza-Like Illness Surveillance

This week, the ILI activity level was **low** and **2.62%** 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 10 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.





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 | | | | | | | | | | |
| 41 | 45 | | | | | | | | | | |
| 42 | 46 | | | | | | | | | | |
| 43 | | | | | | | | | | | |
| | | | | | | | | | | | |

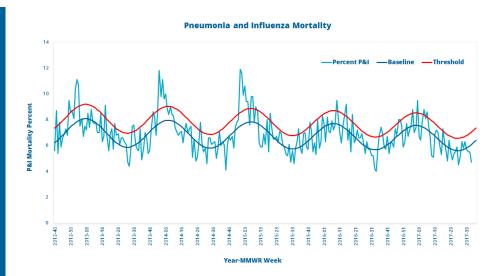
ILI ACTIVITY LEVELS: MINIMAL LOW MODERATE HIGH



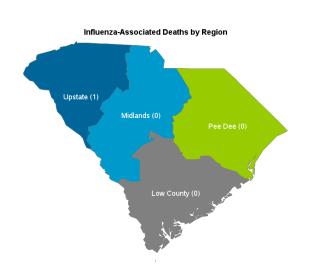
Influenza-Associated Hospitalizations And Deaths

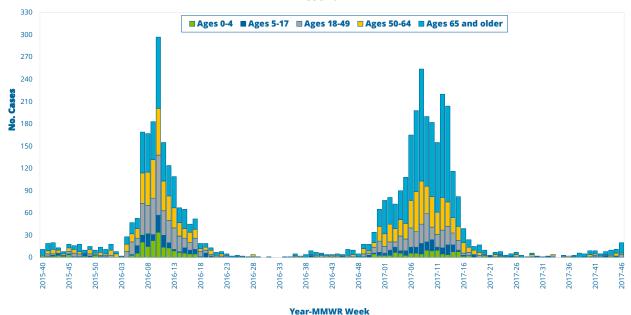
| Age | Hospitalizations | | | Deaths | | | |
|------------|------------------|----------|--------|-----------|----------|--------|--|
| Group | | | | | | | |
| | This Week | Rate per | Season | This Week | Rate per | Season | |
| | | 100, 000 | Total | | 100, 000 | Total | |
| 0 to 4 | 0 | 1.0 | 3 | | | | |
| 5 to 17 | 0 | 0.3 | 2 | | | | |
| 18 to 49 | 4 | 0.6 | 11 | | | | |
| 50 to 64 | 2 | 1.5 | 14 | | | | |
| 65 & older | 14 | 6.7 | 42 | | | | |
| Total | 20 | 1.5 | 72 | 1 | 0.02 | 1 | |

The percentage of deaths attributed to pneumonia and influenza was 4.7%. This is **below** the epidemic threshold for the week ending October 21, 2017. Data for week ending October 28, 2017 is not currently available.



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





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