

Geographic Spread



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

Influenza Activity



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

Regional Influenza Activity



No change



No change



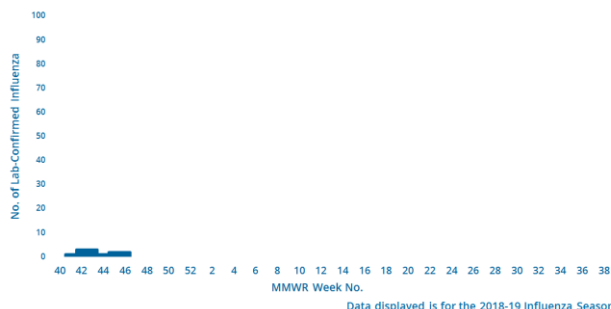
No change



No change

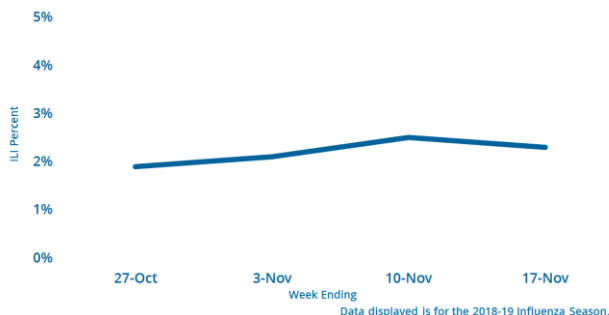
Virologic Surveillance

This week there were **2** lab-confirmed tests reported. Influenza A was most frequently reported. In the current flu season, there has been **12** lab-confirmed tests reported.



Influenza-Like Illness Surveillance

The percent of patient visits to sentinel providers for an influenza-like illness (ILI) was **2.25%**, which is below South Carolina's baseline (**3.53%**). The ILI activity level overall was **low**.



Influenza-Associated Hospitalizations

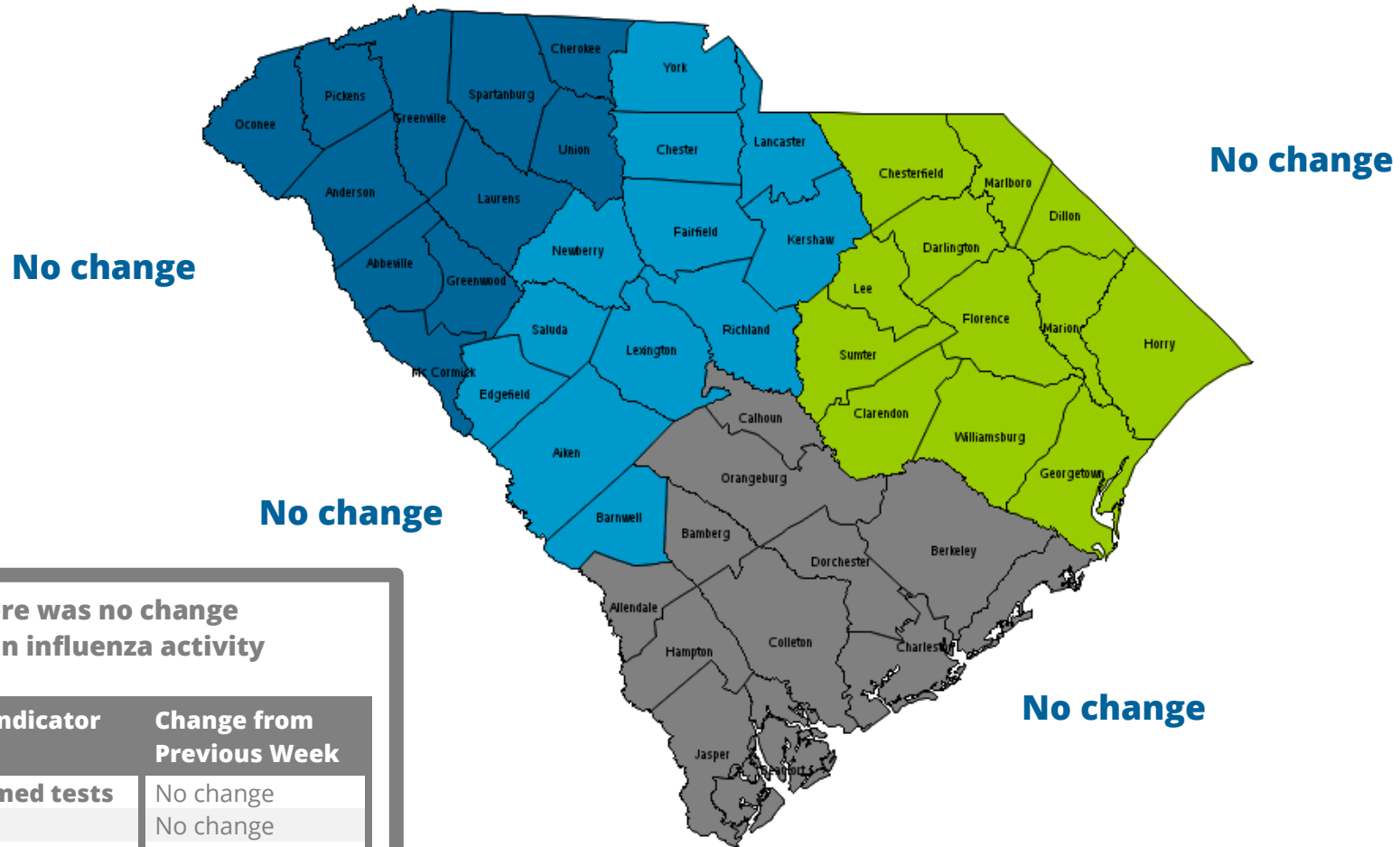
This week **20** influenza-associated hospitalizations were reported by **50** hospitals. The cumulative hospitalization rate is **1.7 per 100,000**. In the current flu season, there have been **84** influenza-associated hospitalizations.

Influenza-Associated Deaths

This week **1** influenza-associated death was reported. The cumulative mortality rate is **0.03 per 100,000**. In the current flu season, there have been **2** influenza-associated deaths.

Influenza Activity*

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



Overall there was no change statewide in influenza activity

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

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

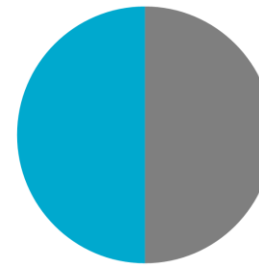
Virologic Surveillance

| Influenza Type | Season Totals To Date | | | | |
|--------------------|-----------------------|-----------------|-----------------|--------------|------------------|
| | This Week | 2018-19 | 2017-18 | 2016-17 | 5 season average |
| Overall | 2 | 12 | 34 | 5 | 21 |
| Influenza A | 2 (100) | 10(83.3) | 31(91.2) | 4(80) | 18(85.7) |
| A(H3) | 1(50) | 1(10) | 18(58) | 2(50) | 6(33.3) |
| A(H1N1) | 1(50) | 5(50) | -- | -- | 7(39) |
| A(NS)* | -- | 4(40) | 13(42) | 2(50) | 5(27.7) |
| Influenza B | 0 | 2(16.7) | 3(8.8) | 1(20) | 3(14.3) |
| B (Victoria) | -- | -- | -- | -- | 0 |
| B (Yamagata) | -- | -- | 1(33.3) | -- | 0 |
| B (LND)+ | -- | 2(100) | 2(66.7) | 1(100) | 3(100) |

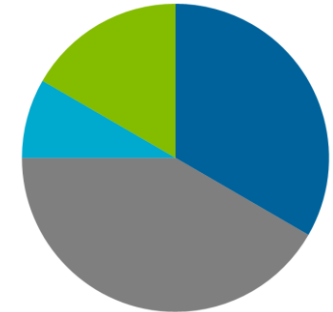
*NS - not subtyped +LND - lineage not determined

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.

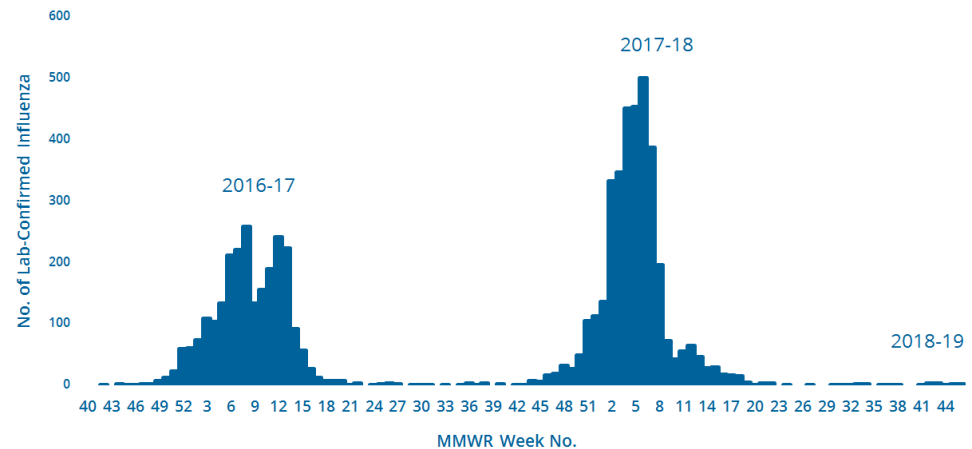
Week ending 11/17



Cumulative



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



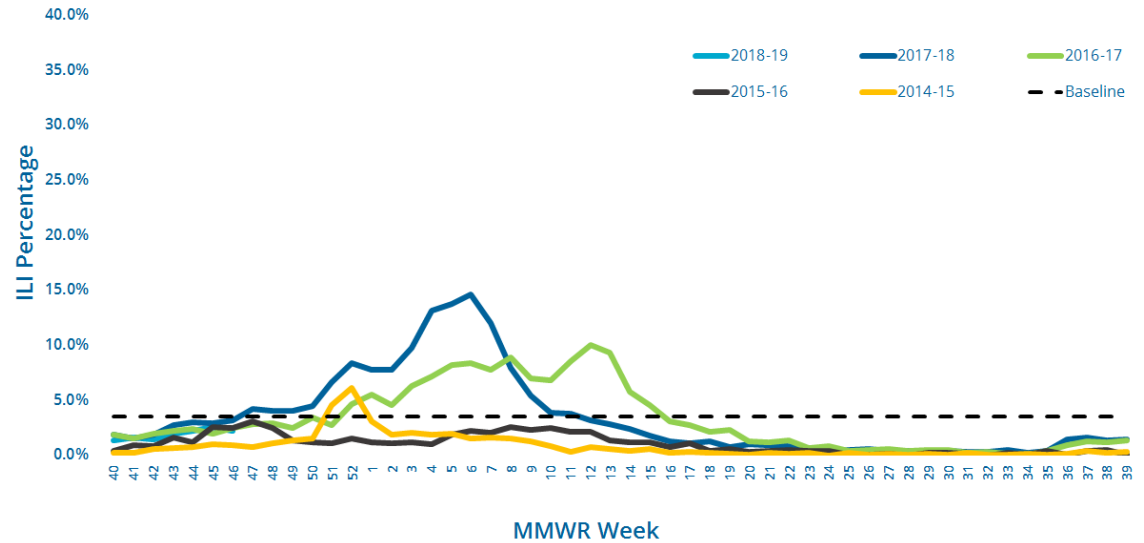
Influenza-Like Illness Surveillance

This week, the ILI activity level was **low** and **2.25%** of patient visits to SC ILINet providers was attributed to an influenza-like illness. This is **below** the state baseline, **3.53%**.

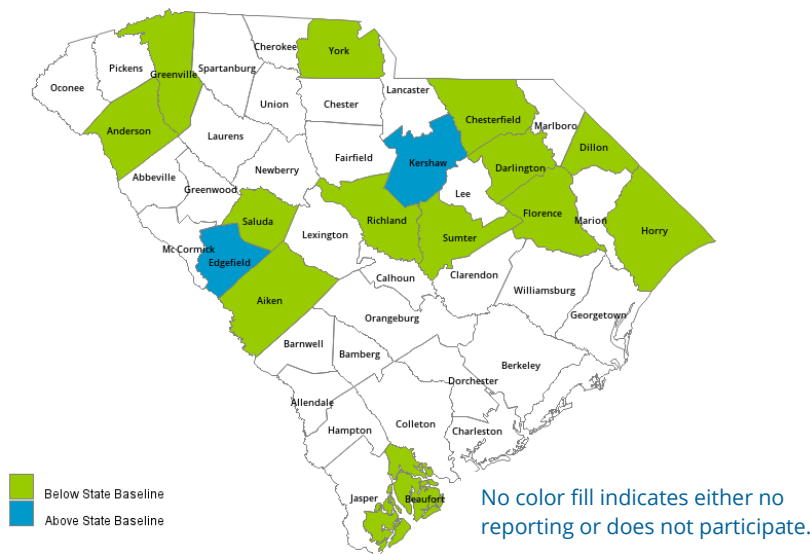
Reports were received from providers in 15 counties, representing all DHEC Public Health regions.

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

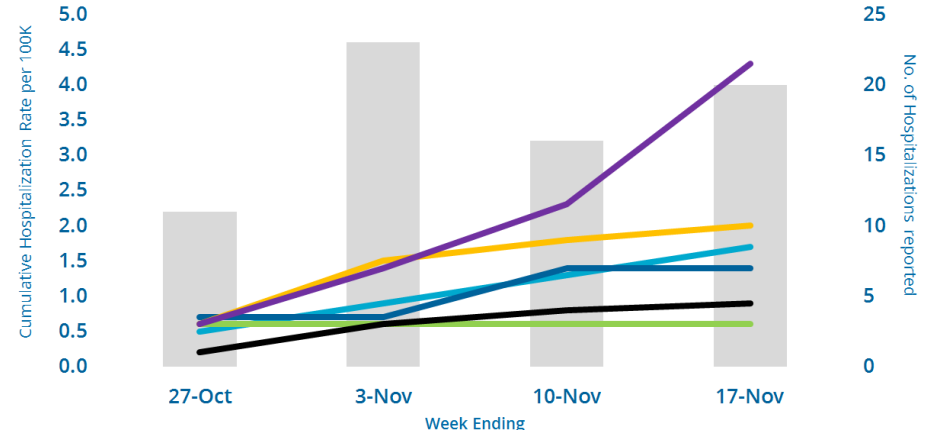
| OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 40 | 44 | 48 | 1 | 5 | 9 | 14 | 18 | 22 | 27 | 31 | 36 |
| 41 | 45 | 49 | 2 | 6 | 10 | 15 | 19 | 23 | 28 | 32 | 37 |
| 42 | 46 | 50 | 3 | 7 | 11 | 16 | 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 | 20(0.4) | -- | -- | 2(0.1) | 2(0.2) | 16(1.9) |
| 2018-19 | 84(1.7) | 4(1.4) | 5(0.6) | 18(0.9) | 20(2.0) | 37(4.3) |
| 2017-18 | 72(1.4) | 3(1.0) | 2(0.2) | 11(0.5) | 14(1.4) | 42(4.9) |
| 2016-17 | 41(0.8) | 1(0.3) | 1(0.1) | 6(0.3) | 12(1.2) | 21(2.5) |
| 5 season average | 61(1.2) | 6(2.1) | 5(0.6) | 12(0.6) | 15(1.5) | 23(2.9) |

| Deaths No. (Rate) | Overall | Ages 0-4 | Ages 5-17 | Ages 18-49 | Ages 50-64 | Ages 65+ |
|-------------------------|---------|-------------|--------------|---------------|---------------|-------------|
| This Week | 1(0.0) | -- | -- | -- | -- | 1(0.1) |
| 2018-19 | 2(0.0) | -- | -- | -- | -- | 2(0.2) |
| 2017-18 | 3(0.1) | -- | -- | -- | -- | 3(0.3) |
| 2016-17 | 2(0.0) | -- | -- | -- | -- | 2(0.2) |
| 5 season average | 4(0.1) | 0 | 0 | 0 | 1(0.1) | 3(0.3) |



— Overall — Age 0-4 — Age 5-17 — Age 18-49 — Age 50-64 — Age 65 and older

Influenza-Associated Deaths by Region

