

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



A decrease



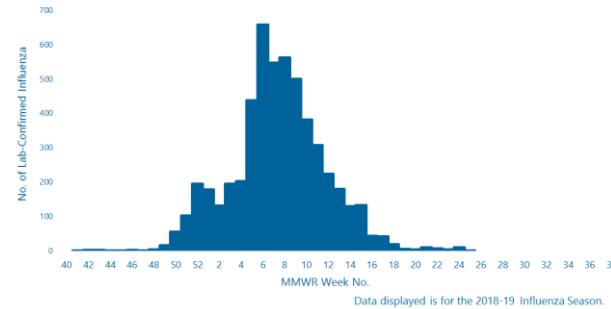
No change



No change

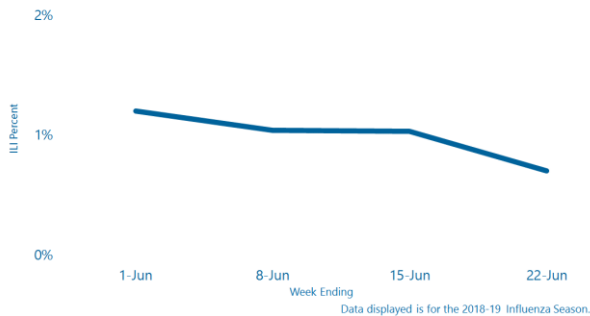
Virologic Surveillance

This week there were **2** lab-confirmed tests reported. Influenza A was most frequently reported. In the current flu season, there have been **4706** lab-confirmed tests reported.



Influenza-Like Illness Surveillance

The percent of patient visits to sentinel providers for an influenza-like illness (ILI) was 0.7%, which is below South Carolina's baseline (3.53%). The ILI activity level overall was minimal.



Influenza-Associated Hospitalizations

This week 4 influenza-associated hospitalizations were reported by 36 hospitals. The cumulative hospitalization rate is 54.0 per 100,000. In the current flu season, there have been 2713 influenza-associated hospitalizations.

Influenza-Associated Deaths

This week 1 influenza-associated death was reported; however, the death occurred during previous weeks. The cumulative mortality rate is 2.0 per 100,000. In the current flu season, there have been 98 influenza-associated deaths.

For a description of South Carolina's influenza surveillance components and definitions go to:

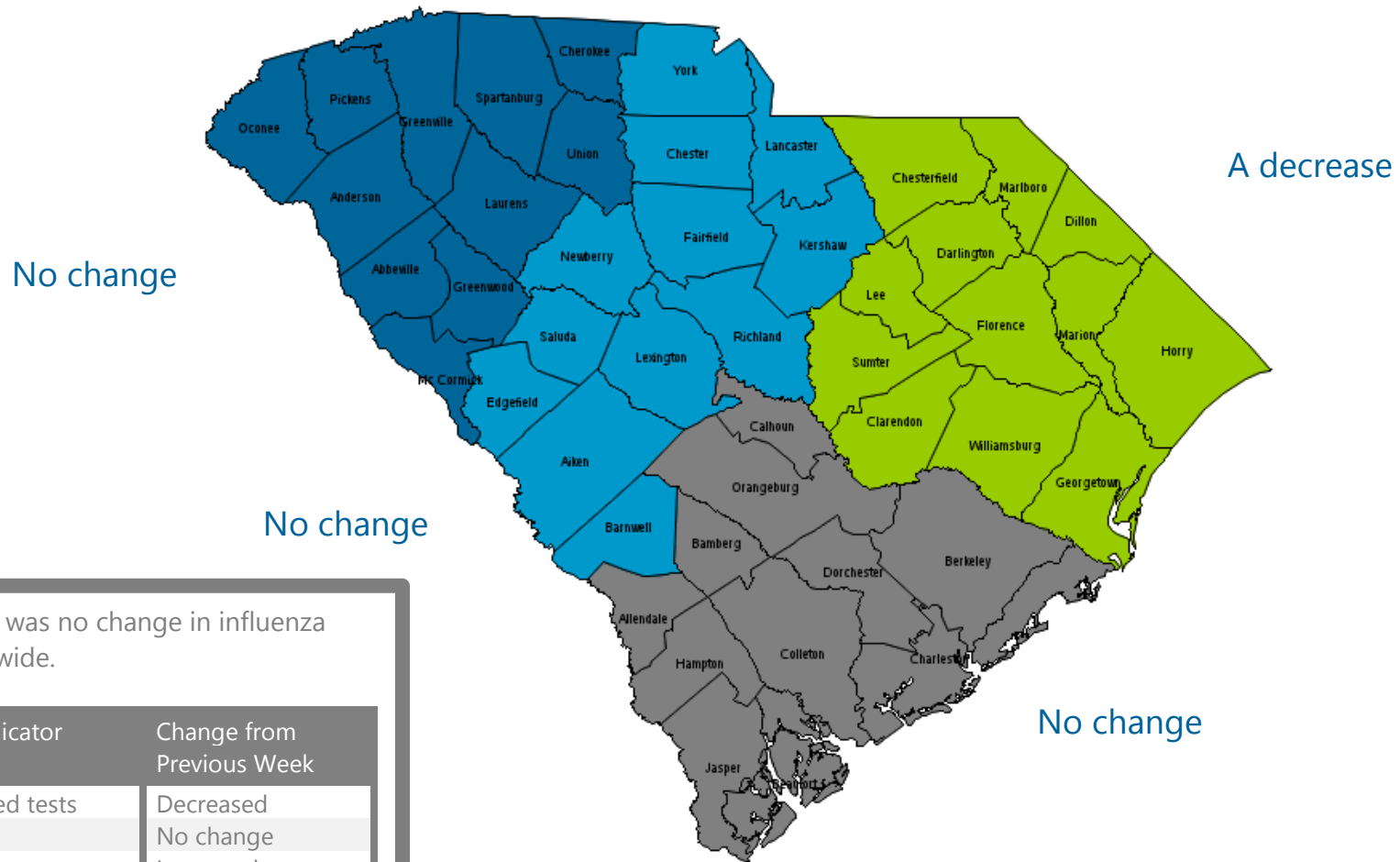
<http://www.scdhec.gov/Health/DiseasesandConditions/InfectiousDiseases/Flu/FluData/>

For national surveillance, please visit:

<https://www.cdc.gov/flu/weekly/>

Influenza Activity*

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



Overall there was no change in influenza activity statewide.

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

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

Virologic Surveillance

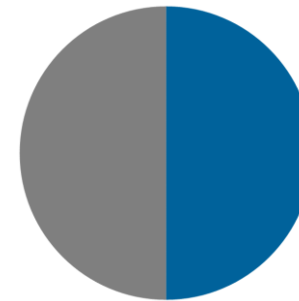
| Influenza Type | Season Totals To Date | | | | | |
|----------------|-----------------------|-----------|------------|---------|---------|------------------|
| | No. (%) | This Week | 2018-19 | 2017-18 | 2016-17 | 5 season average |
| Overall | | 2 | 4706 | ‡ | ‡ | ‡ |
| Influenza A | | 2(100.0) | 4555(96.7) | | | |
| A(H3) | | -- | 602(13.2) | | | |
| A(H1N1) | | 1(10.0) | 463(10.2) | | | |
| A(NS)* | | 1(10.0) | 3490(76.6) | | | |
| Influenza B | | -- | 151(3.3) | | | |
| B (Victoria) | | -- | 2(1.3) | | | |
| B (Yamagata) | | -- | -- | | | |
| B (LND)+ | | -- | 149(98.7) | | | |

*NS – not subtyped +LND – lineage not determined

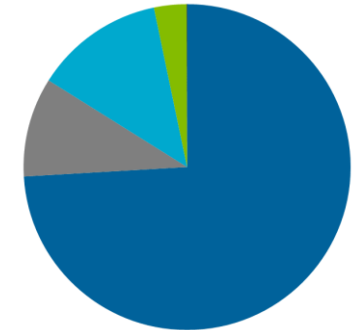
‡Data currently unavailable

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.

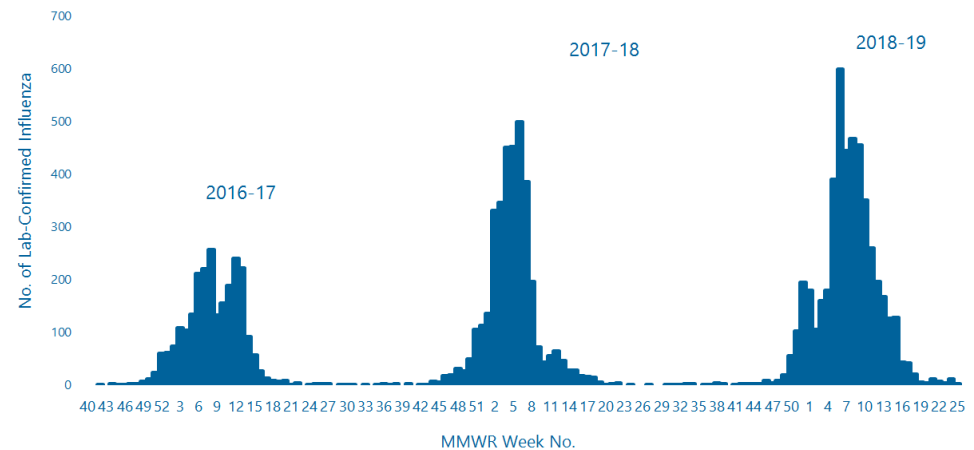
Week ending 6/22



Cumulative



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



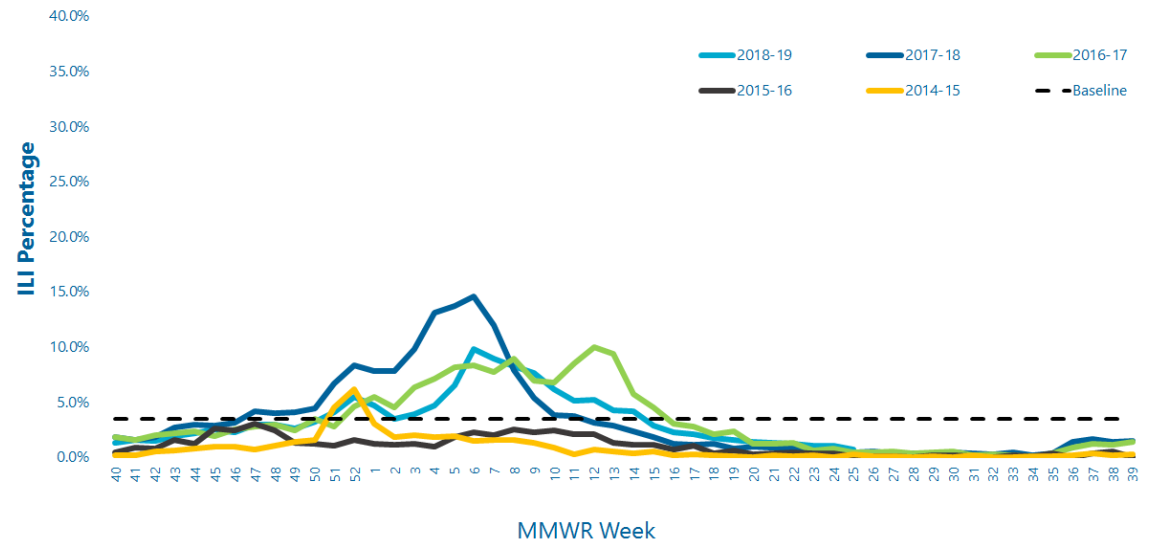
Influenza-Like Illness Surveillance

This week, the ILI activity level was **minimal** and 0.7% of patient visits to SC ILINet providers was attributed to an influenza-like illness. This is below the state baseline, 3.53%.

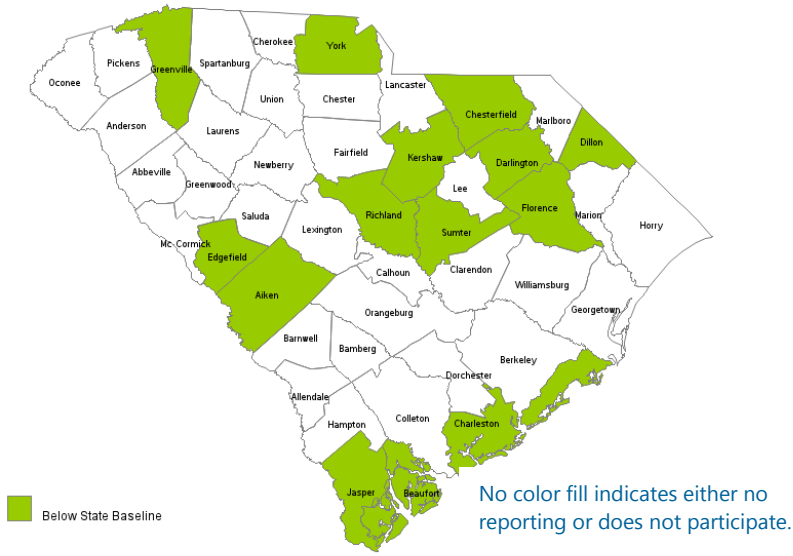
Reports were received from providers in 14 counties, representing all DHEC Public Health regions.

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

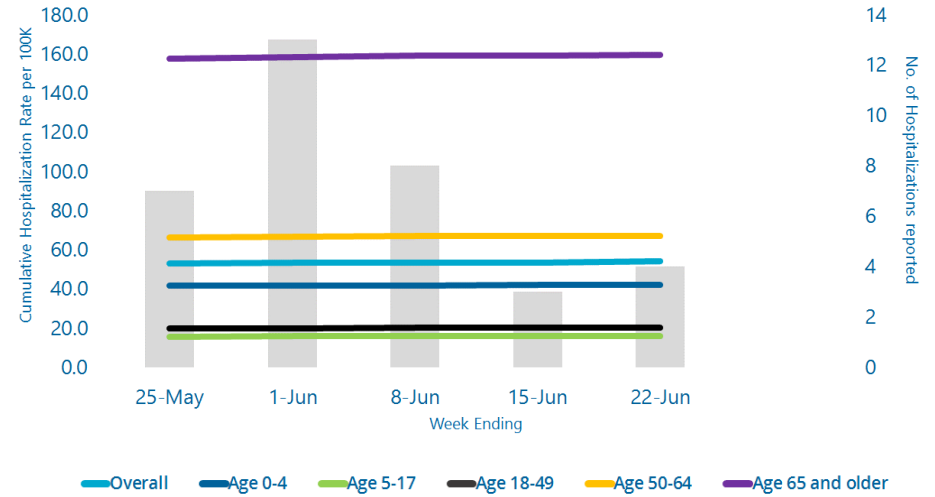
| OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 40 | 44 | 48 | 1 | 5 | 9 | 14 | 18 | 22 | 27 | 31 | 36 |
| 41 | 45 | 49 | 2 | 6 | 10 | 15 | 19 | 23 | 28 | 32 | 37 |
| 42 | 46 | 50 | 3 | 7 | 11 | 16 | 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 | 4(0.1) | -- | -- | 1(0.05) | 1(0.1) | 2(0.2) |
| 2018-19 | 2713(54.0) | 124(42.2) | 127(15.7) | 415(20.1) | 669(67.0) | 1378(159.4) |
| 2017-18 | 4498(89.5) | 159(54.1) | 141(17.4) | 584(28.4) | 1054(105.6) | 2560(296.1) |
| 2016-17 | 2500(50.4) | 114(39.1) | 131(16.2) | 337(16.5) | 562(56.7) | 1356(163.5) |
| 5 season average | 2719(55.3) | 158(54.2) | 119(14.9) | 440(21.7) | 639(65.2) | 1362(168.6) |

| Deaths No. (Rate) | Overall | Ages 0-4 | Ages 5-17 | Ages 18-49 | Ages 50-64 | Ages 65+ |
|-------------------|----------|----------|-----------|------------|------------|-----------|
| This Week | -- | -- | -- | -- | -- | -- |
| 2018-19 | 98(2.0) | 2(0.7) | 1(0.1) | 7(0.4) | 26(2.4) | 62(7.3) |
| 2017-18 | 291(5.8) | 3(1.0) | -- | 27(1.3) | 52(5.2) | 209(24.2) |
| 2016-17 | 96(1.9) | 1(0.3) | 1(0.1) | 9(0.4) | 16(1.6) | 69(8.3) |
| 5 season average | 129(2.6) | 1 (0.3) | 1 (0.1) | 15(0.7) | 24(2.4) | 89(10.8) |



Influenza-Associated Deaths by Region

