



Georgia Weekly Influenza Report

Updated 11/30/2018

Week 47 (November 18 — November 24, 2018)

Snapshot of Influenza Activity During Week 47:

- **Outpatient Illness Surveillance (ILINet):** The proportion of outpatient visits for ILI was **4.5%**, which is **ABOVE** the regional baseline of 2.2%
- **Activity Indicator Map:** HIGH
- **Geographic Spread of Influenza:** LOCAL
- **Influenza-associated Deaths:** 0 deaths was confirmed
- **Metro Area Hospitalizations:** 21 hospitalizations were reported
- **Influenza Outbreaks:** 0 outbreaks were reported
- **Viral Surveillance:** The percent of specimens testing positive for influenza by clinical laboratories was 8%
- **RSV Season Status:** **ON**

Summary of Select Influenza Surveillance Measures

| | Week 47 | Cumulative Data since September 30, 2018 (Week 40) |
|--|---------|--|
| No. of Influenza-associated Deaths | 0 | 1 |
| No. of Metro Area Influenza Hospitalizations | 21 | 74 |
| No. of Influenza Outbreaks | 0 | 0 |

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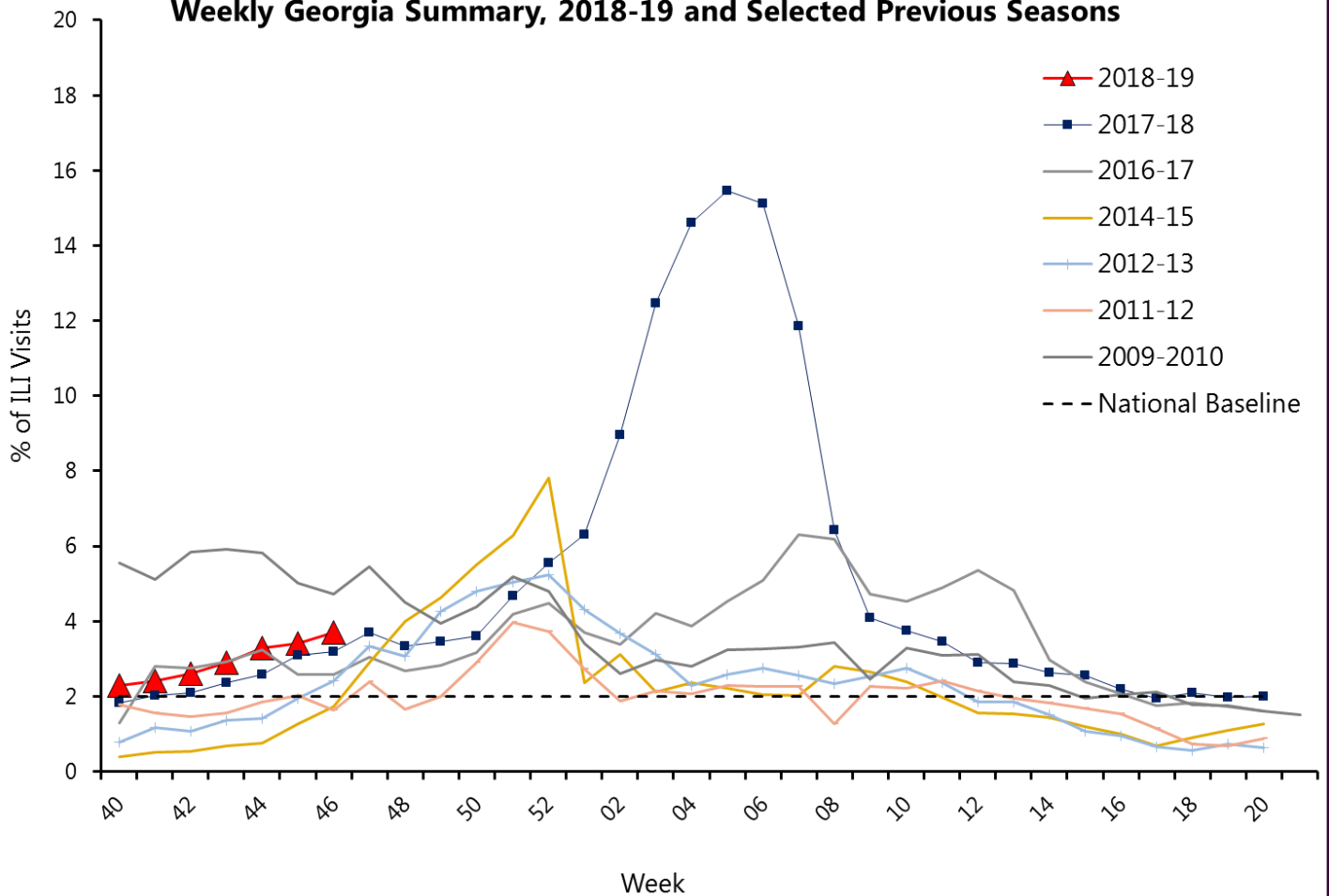
Outpatient Illness Surveillance

In Georgia during week 47, 4.5% of patient visits reported through the U.S. Outpatient Influenza-like Illness Surveillance Network (ILINet) were due to influenza-like illness (ILI). The percentage is above the regional baseline of 2.2%. (ILI is defined as fever (temperature of 100°F [37.8°C] or greater) and cough and/or sore throat.)

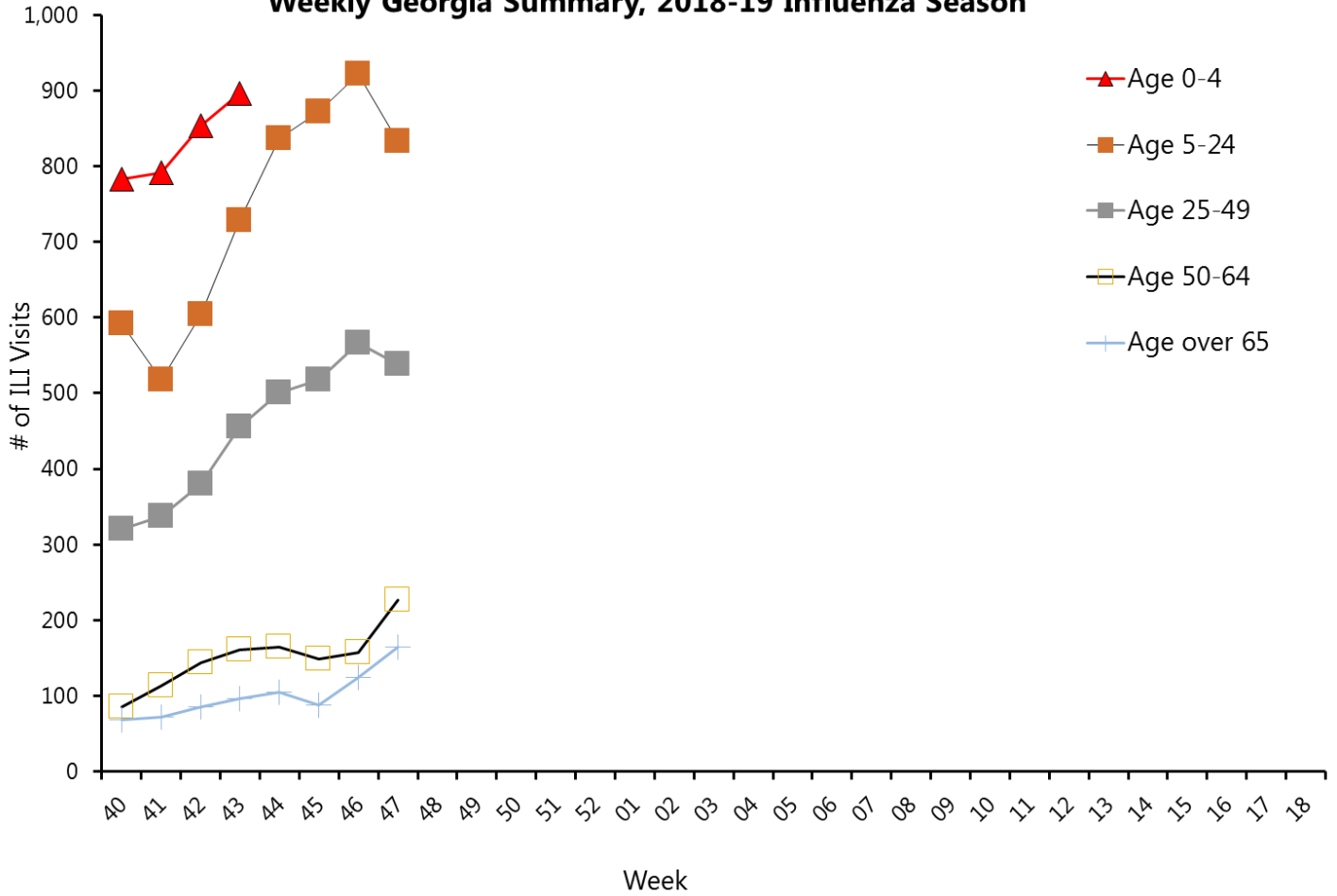
A total of 96 sentinel providers reported data for week 47.

Note: The regional baseline is formulated by averaging ILI percentage during weeks of endemic activity determined by laboratory results for influenza. HHS Region 4 (AL, FL, GA, KY, MS, NC, SC, and TN) (Baseline: 2.2%).

Percentage of Visits for Influenza-like Illness (ILI) Reported by the Outpatient Influenza-like Illness Surveillance Network (ILINet), Weekly Georgia Summary, 2018-19 and Selected Previous Seasons



Number of Visits for Influenza-like Illness (ILI), by Age, Reported by the Outpatient Influenza-like Illness Surveillance Network (ILINet), Weekly Georgia Summary, 2018-19 Influenza Season



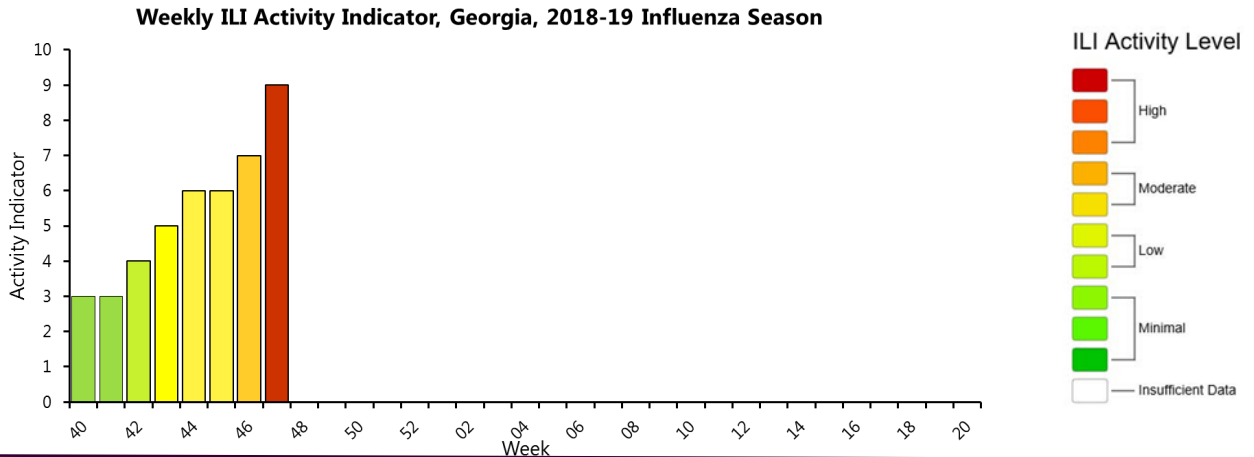
Summary of ILI, by Age, Reported to ILINet, Weekly Georgia, 2018-19 Influenza Season

| Age Group in Years | No. of ILI Visits (Week 47) | Cumulative Data since September 30, 2018 (Week 40) |
|--------------------|-----------------------------|--|
| 0-4 | 1,467 | 8,027 |
| 5-17 | 833 | 5,905 |
| 18-49 | 538 | 3,617 |
| 50-64 | 227 | 1,201 |
| 65+ | 165 | 807 |
| Total | 3,230 | 19,557 |

ILI Activity Indicator

ILI Activity Levels measure ILI activity each week. Activity levels are based on the percent of outpatient visits in Georgia due to ILI compared to the 3 year average of ILI visits during weeks with little or no influenza virus circulation.

During week 47, the activity level in Georgia was **HIGH** = 9

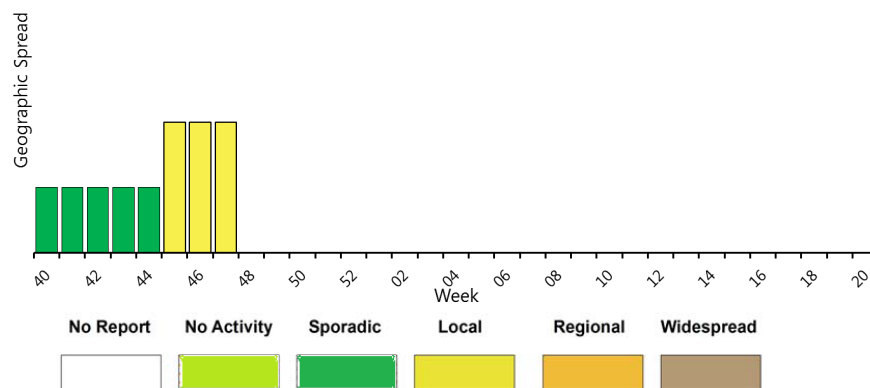


Geographic Spread of Influenza

Geographic spread is measured weekly and reflects geographic dispersion of influenza and is not an indicator of influenza severity.

During week 47, the geographic spread of influenza in Georgia was **LOCAL**

Weekly Influenza Activity Estimates of Geographic Spread, Georgia, 2018-19 Influenza Season



- No Activity:** No laboratory-confirmed cases of influenza and no reported increase in the number of cases of ILI.
- Sporadic:** Small numbers of laboratory-confirmed influenza cases or a single laboratory-confirmed influenza outbreak has been reported, but there is no increase in cases of ILI.
- Local:** Outbreaks of influenza or increases in ILI cases and recent laboratory-confirmed influenza in a single region of the state.
- Regional:** Outbreaks of influenza or increases in ILI and recent laboratory confirmed influenza in at least two but less than half the regions of the state with recent laboratory evidence of influenza in those regions.
- Widespread:** Outbreaks of influenza or increases in ILI cases and recent laboratory-confirmed influenza in at least half the regions of the state with recent laboratory evidence of influenza in the state.

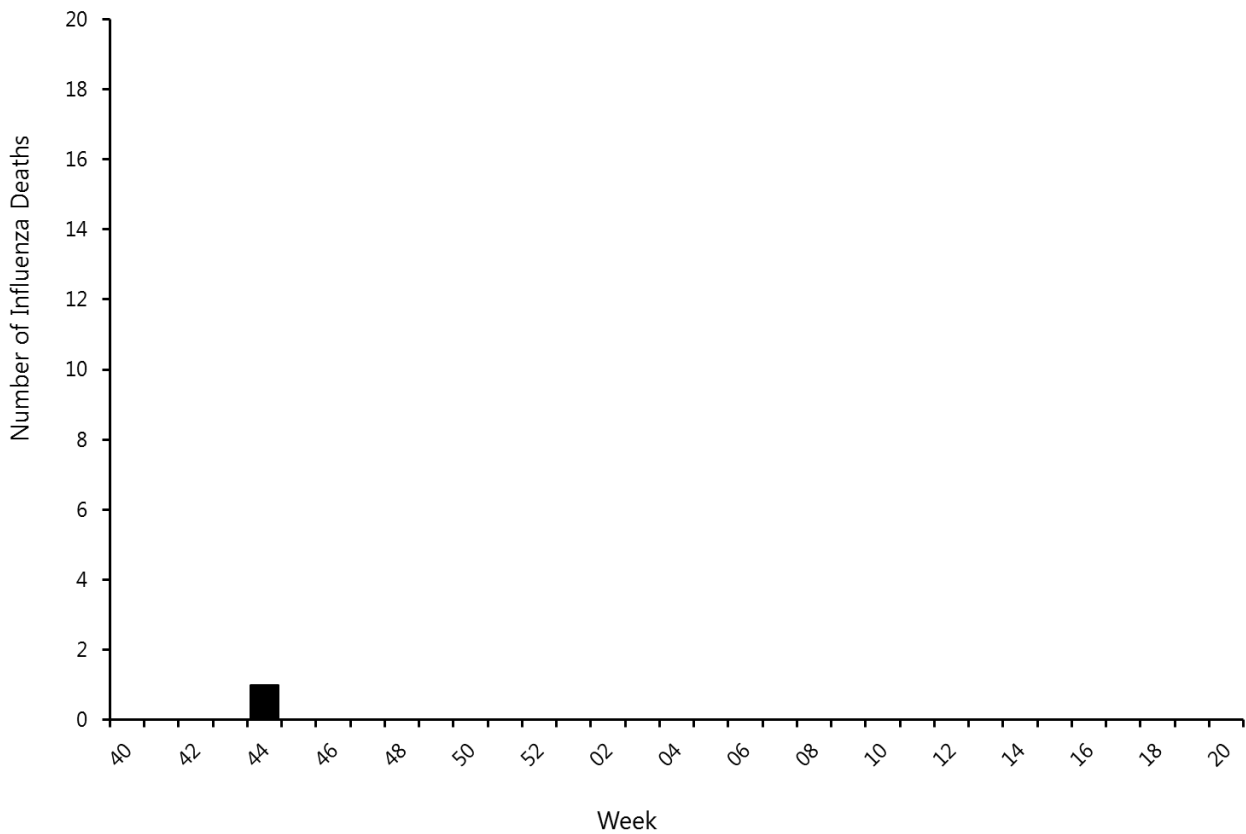
Influenza-Associated Mortality

Influenza-associated deaths (in all ages) are reportable by law in the state of Georgia. To be confirmed as a influenza-associated death, the person must have a clinically compatible illness, a positive influenza test, no documented recovery between the illness and death.

There were 0 influenza-associated deaths reported in Georgia during week 47.

A total of 1 influenza-associated deaths have been reported for the 2018-2019 season.

Number of Laboratory Confirmed Influenza Deaths by Week of Death: Georgia Summary, 2018-19 Influenza Season



Summary of Influenza-associated Deaths, by Age, Georgia, 2018-19 Influenza Season

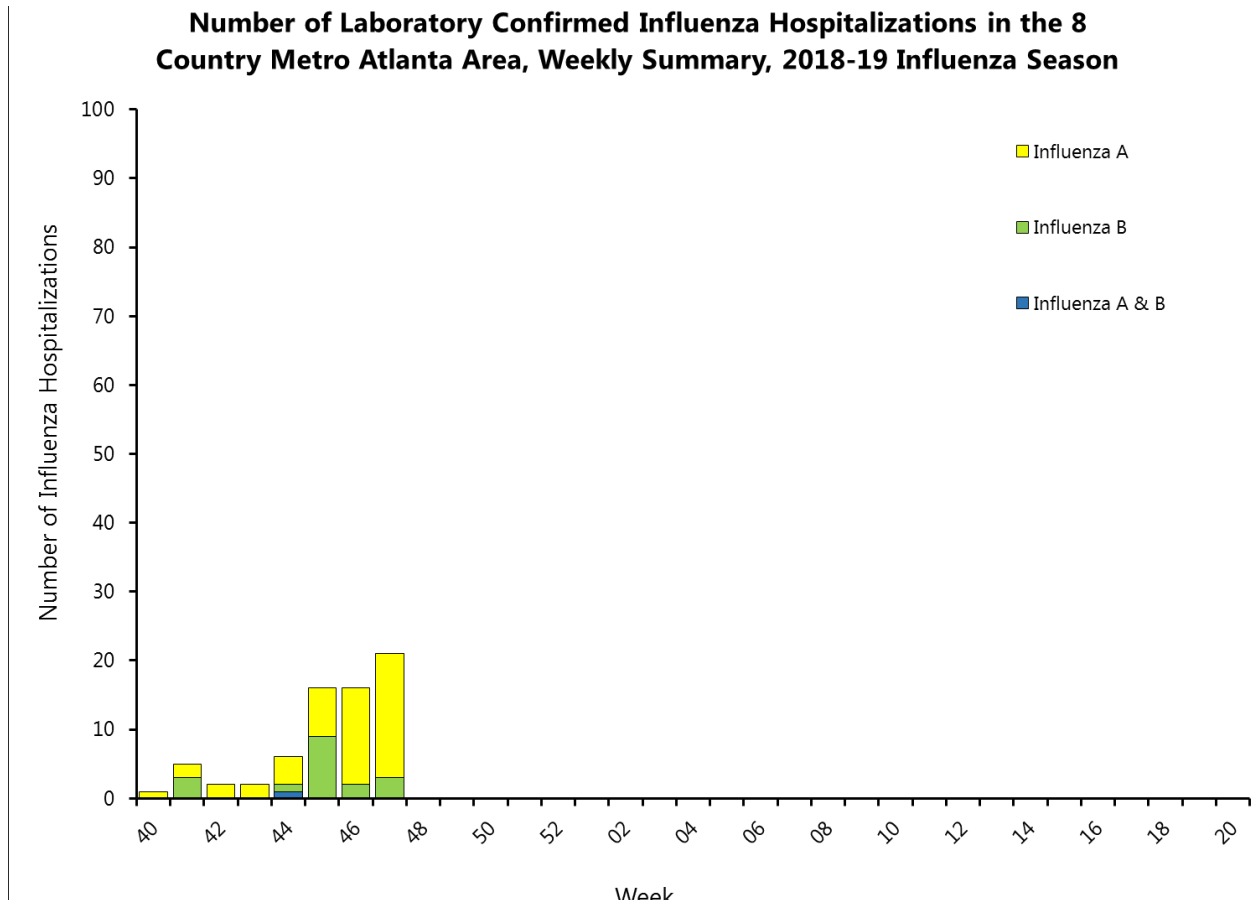
| Age Group in Years | No. of Flu Deaths (Data Cumulative since Week 40) |
|--------------------|---|
| 0-4 | 0 |
| 5-17 | 0 |
| 18-49 | 0 |
| 50-64 | 0 |
| 65+ | 1 |
| Total | 0 |

Influenza-Associated Hospitalizations

The Influenza Hospitalization Surveillance Network (FluSurv-Net) reports laboratory confirmed influenza hospitalizations in the eight county metro Atlanta area (Fulton, DeKalb, Clayton, Cobb, Douglas, Gwinnett, Rockdale, and Newton) for the 2018-2019 influenza season.

There were 21 laboratory confirmed influenza hospitalizations confirmed for week 47.

A total of 74 laboratory confirmed influenza hospitalizations have been reported for the 2018-2019 season.



Summary of Influenza Hospitalizations, by Age, Georgia, 2018-19 Influenza Season

| Age Group in Years | No. of Flu Hospitalization (Cumulative Data since Week 40) | Hospitalization Rate (per 100,000 population) |
|--------------------|--|---|
| 0-4 | 9 | 3.36 |
| 5-17 | 10 | 1.35 |
| 18-49 | 18 | 0.96 |
| 50-64 | 16 | 2.12 |
| 65+ | 21 | 4.62 |
| Total | 74 | 1.81 |

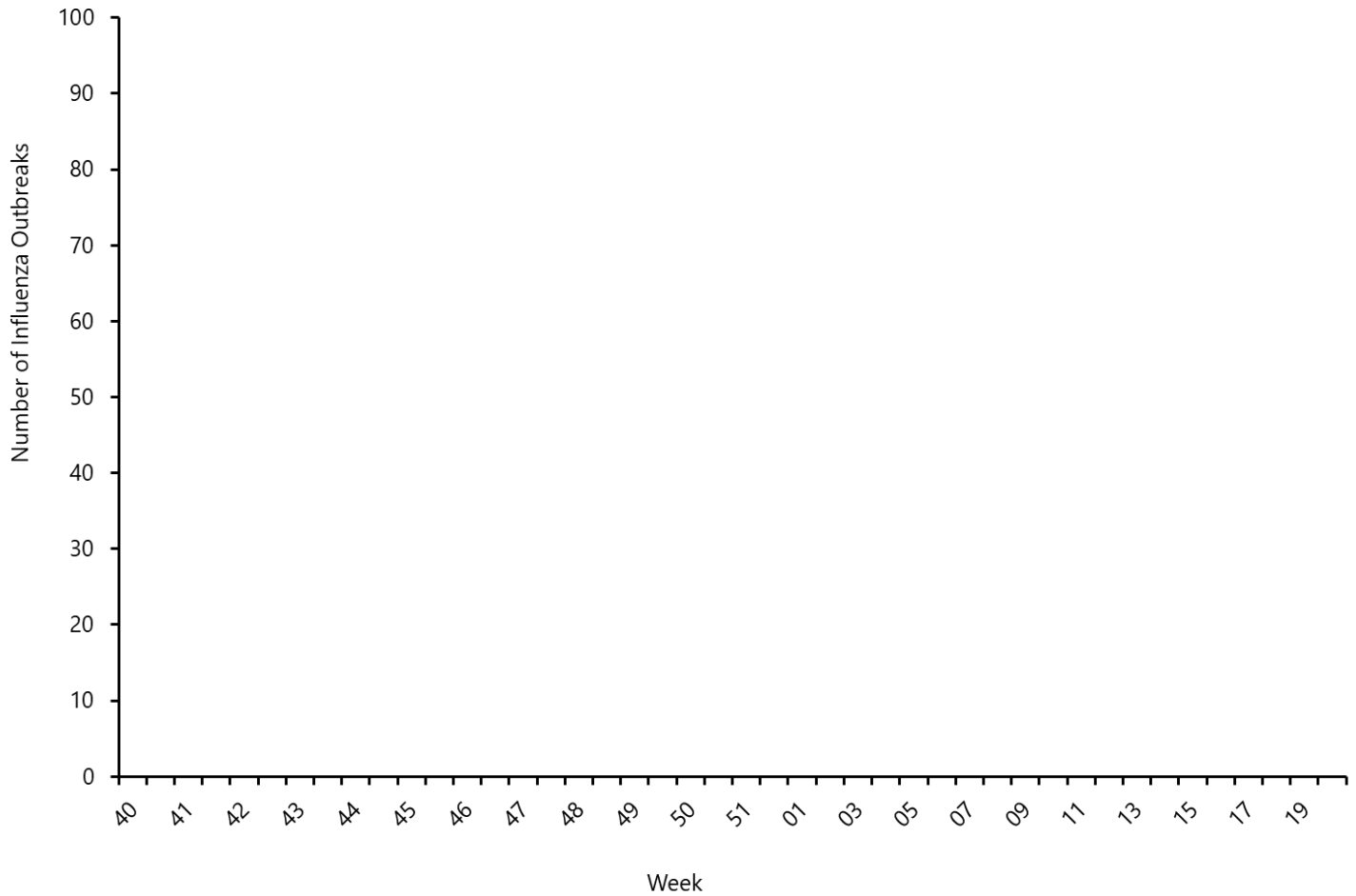
Influenza Outbreaks

Influenza outbreaks are reportable by law in the state of Georgia.

0 influenza outbreaks were confirmed for week 47.

A total of 0 laboratory confirmed influenza outbreaks have been reported in Georgia for the 2018-2019 season.

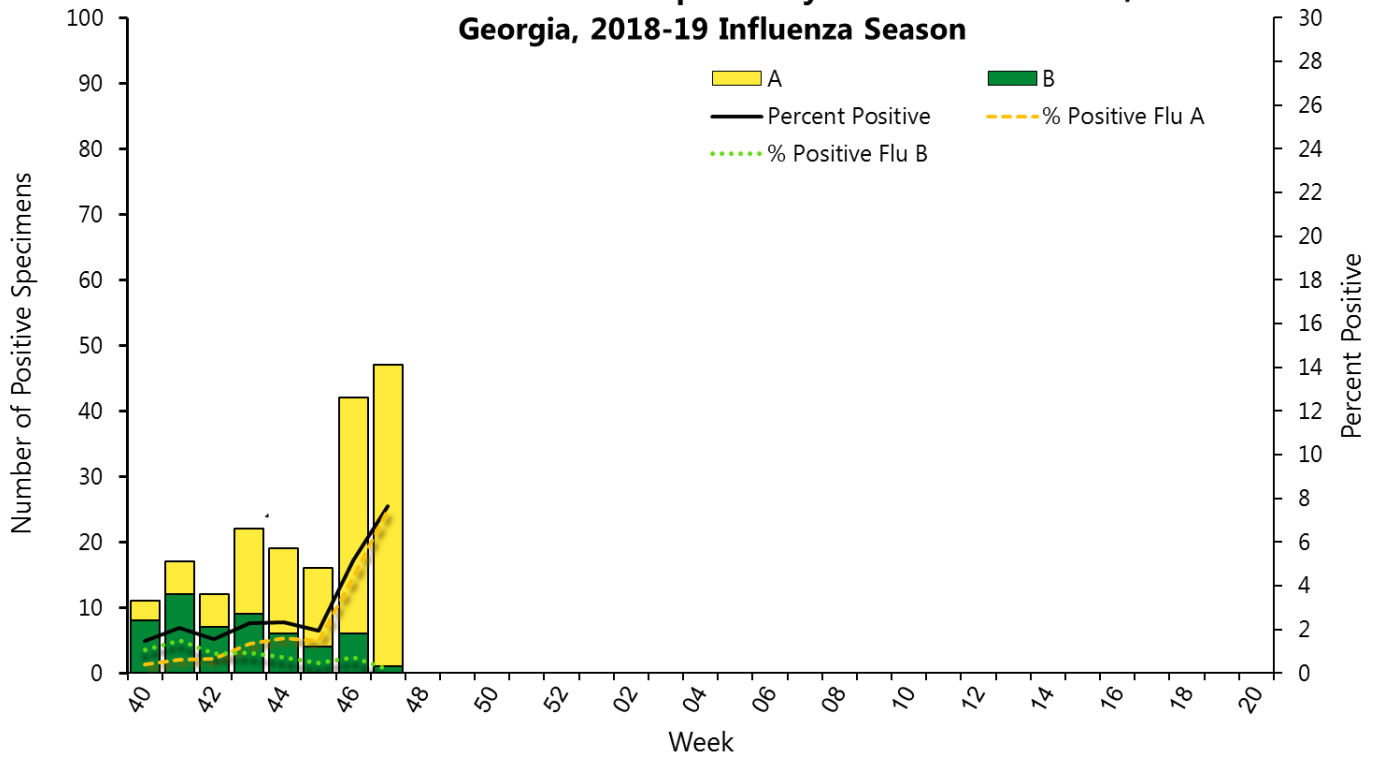
**Number of Laboratory Confirmed Influenza Outbreaks by Onset Week
Weekly Georgia, Summary, 2018-19 Influenza Season**



Virologic Surveillance

The National Respiratory and Enteric Virus Surveillance System (NREVSS) and World Health Organization (WHO) collaborating laboratories (a combination of clinical and public health laboratories) report the total number of respiratory specimens tested for influenza and the number of positive for influenza, by virus type. Public Health Laboratories provide data about influenza virus subtypes and lineages (next page).

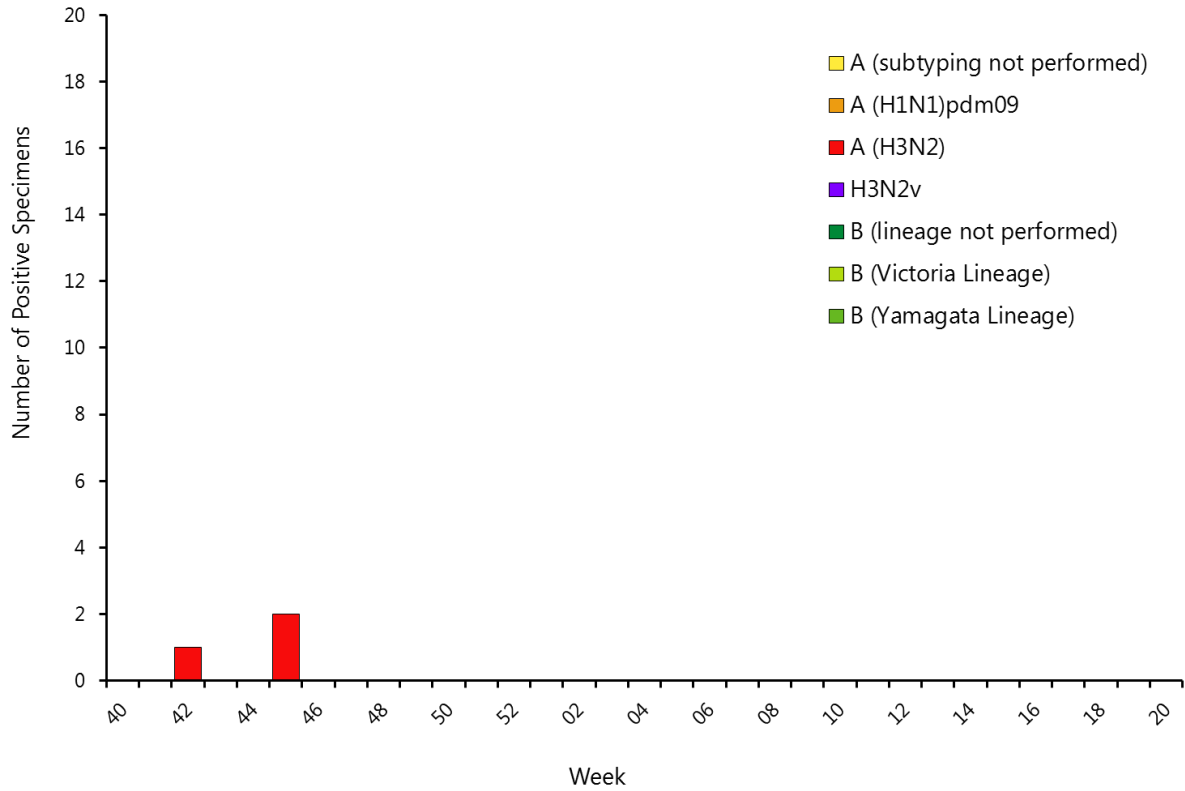
**Influenza Positive Tests Reported by Clinical Laboratories,
Georgia, 2018-19 Influenza Season**



Summary of Influenza Tests from Clinical Laboratories, Georgia,

| | Week 47 | Cumulative Data Since Week 40 |
|---------------------------|---------|-------------------------------|
| No. of specimens tested | 615 | 6,360 |
| No. of positive specimens | 47 | 186 |
| <i>Influenza A</i> | 46 | 133 |
| <i>Influenza B</i> | 1 | 53 |

During week 47, public health laboratories in Georgia reported testing 2 specimens, and 0 were positive for influenza.



Summary of Influenza Tests from Public Health Laboratories, Georgia,

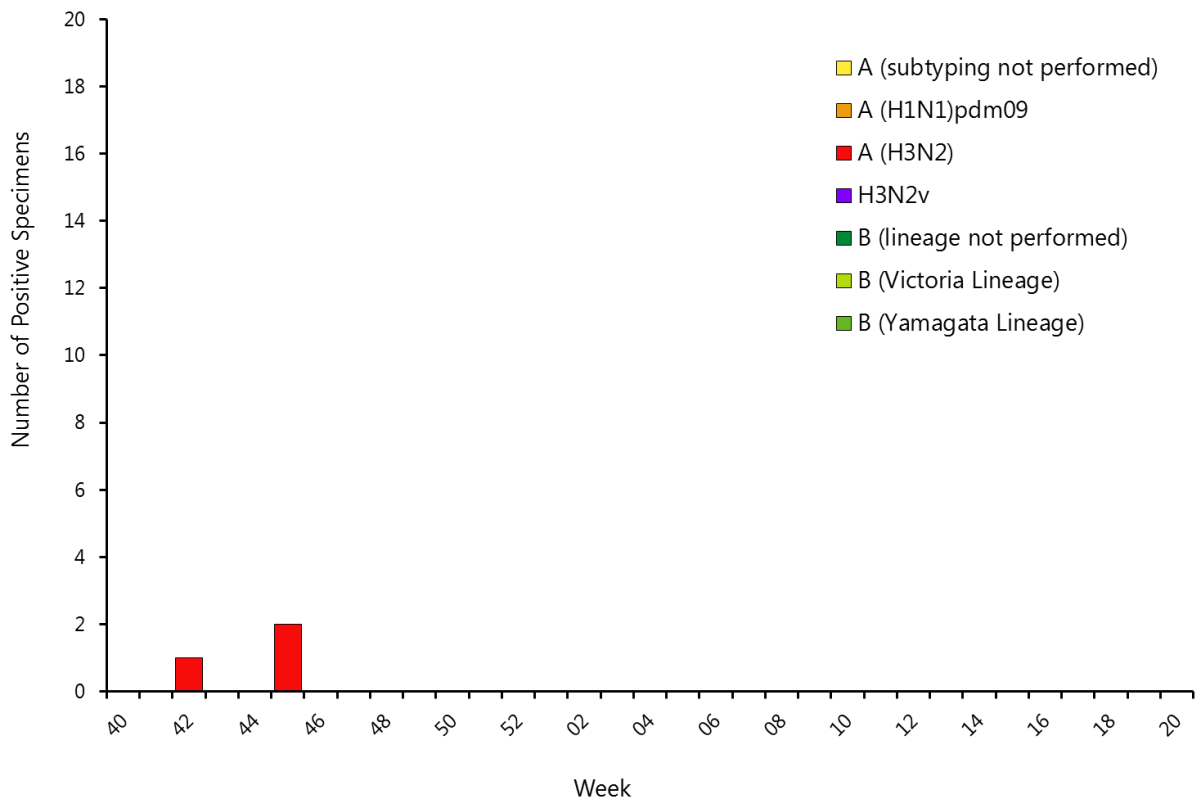
| | Week 47 | Cumulative Data Since Week 40 |
|--|---------|-------------------------------|
| No. of specimens tested | 2 | 78 |
| No. of Positive Specimens | 0 | 0 |
| <i>Influenza A (subtype not performed)</i> | 0 | 0 |
| <i>A(H1N1)pmd09</i> | 0 | 0 |
| <i>H3</i> | 0 | 3 |
| <i>Influenza B (lineage not performed)</i> | 0 | 0 |
| <i>Yamagata lineage</i> | 0 | 0 |
| <i>Victoria lineage</i> | 0 | 0 |

Respiratory Syncytial Virus Infection (RSV) Surveillance

Data from NREVSS are also analyzed to measure the RSV seasonality. RSV season onset is defined as the first week of two (2) consecutive weeks when the percent positive of ALL laboratory confirmed tests are greater than or equal to 10%. The end of RSV season is now defined as the first week of two consecutive weeks when the percent positive of ALL laboratory confirmed tests are less than 10%.

RSV Season Status: **ON**

During week 47, clinical laboratories in Georgia reported testing 172 specimens, of which 27% were positive for RSV.



Summary of RSV Tests from Clinical Laboratories, Georgia,

| | Week 47 | Data Cumulative Since Week 40 |
|---------------------------|---------|-------------------------------|
| No. of specimens tested | 172 | 1,453 |
| No. of positive specimens | 47 | 275 |