



# Georgia Weekly Influenza Report

Updated 12/20/2019

## Week 50 (December 8 — December 14, 2019)

### Snapshot of Influenza Activity During Week 50:

- **Outpatient Illness Surveillance (ILINet):** The proportion of outpatient visits for ILI was **6.7%**, which is **ABOVE** the regional baseline of 2.4%
- **Activity Indicator Map:** HIGH
- **Geographic Spread of Influenza:** WIDESPREAD
- **Influenza-associated Deaths:** 4 deaths were confirmed
- **Metro Area Hospitalizations:** 75 hospitalizations were reported
- **Influenza Outbreaks:** 6 outbreaks were reported
- **Viral Surveillance:** The percent of specimens testing positive for influenza by clinical laboratories was 30.6%

### Summary of Select Influenza Surveillance Measures

	Week 50	Cumulative Data since September 29, 2019 (Week 40)
No. of Influenza-associated Deaths	4	6
No. of Metro Area Influenza Hospitalizations	75	303
No. of Influenza Outbreaks	6	21

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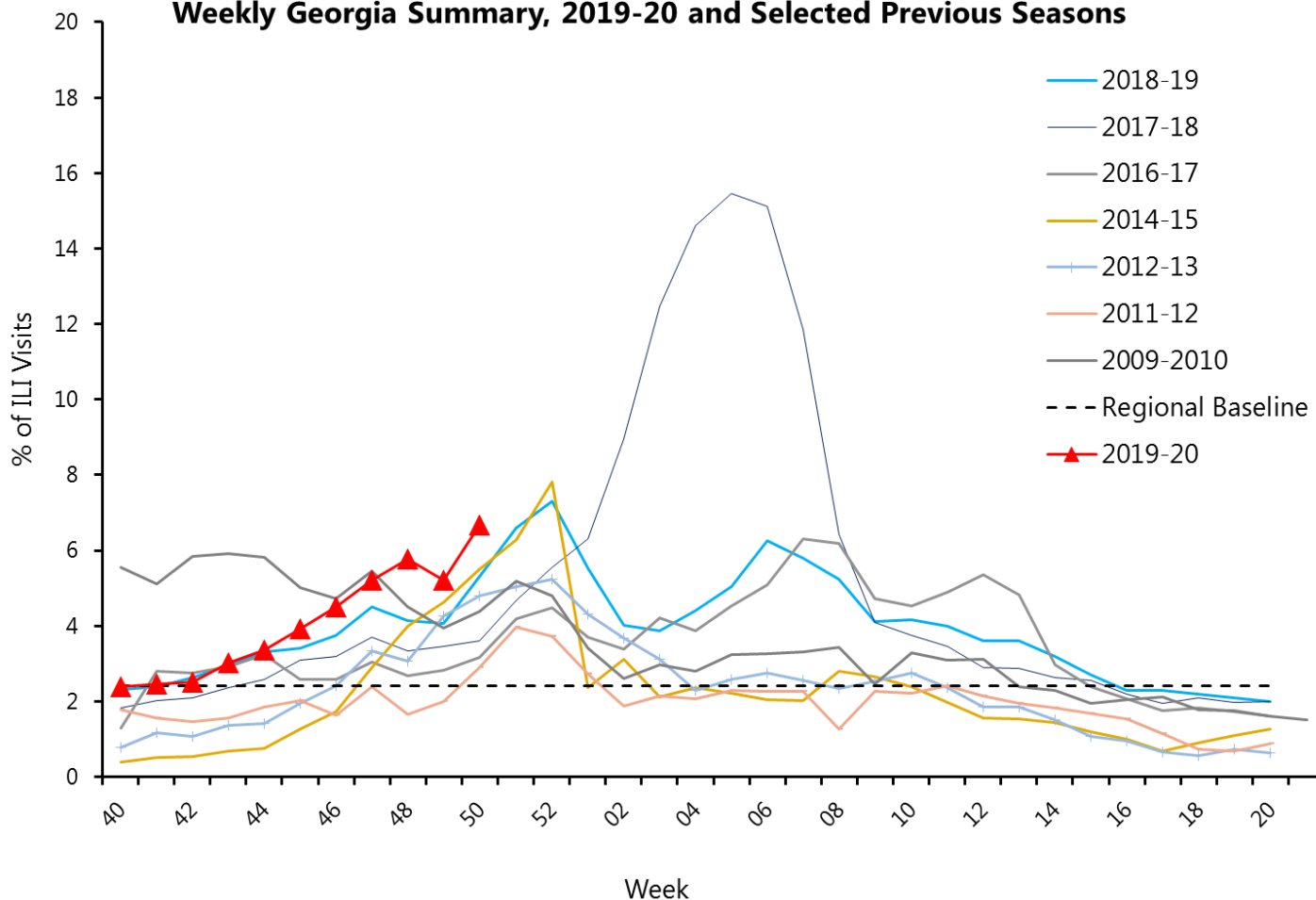
## Outpatient Illness Surveillance

In Georgia during week 50, 6.7% 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 2.4%. (ILI is defined as fever (temperature of 100°F [37.8°C] or greater) and cough and/or sore throat.)

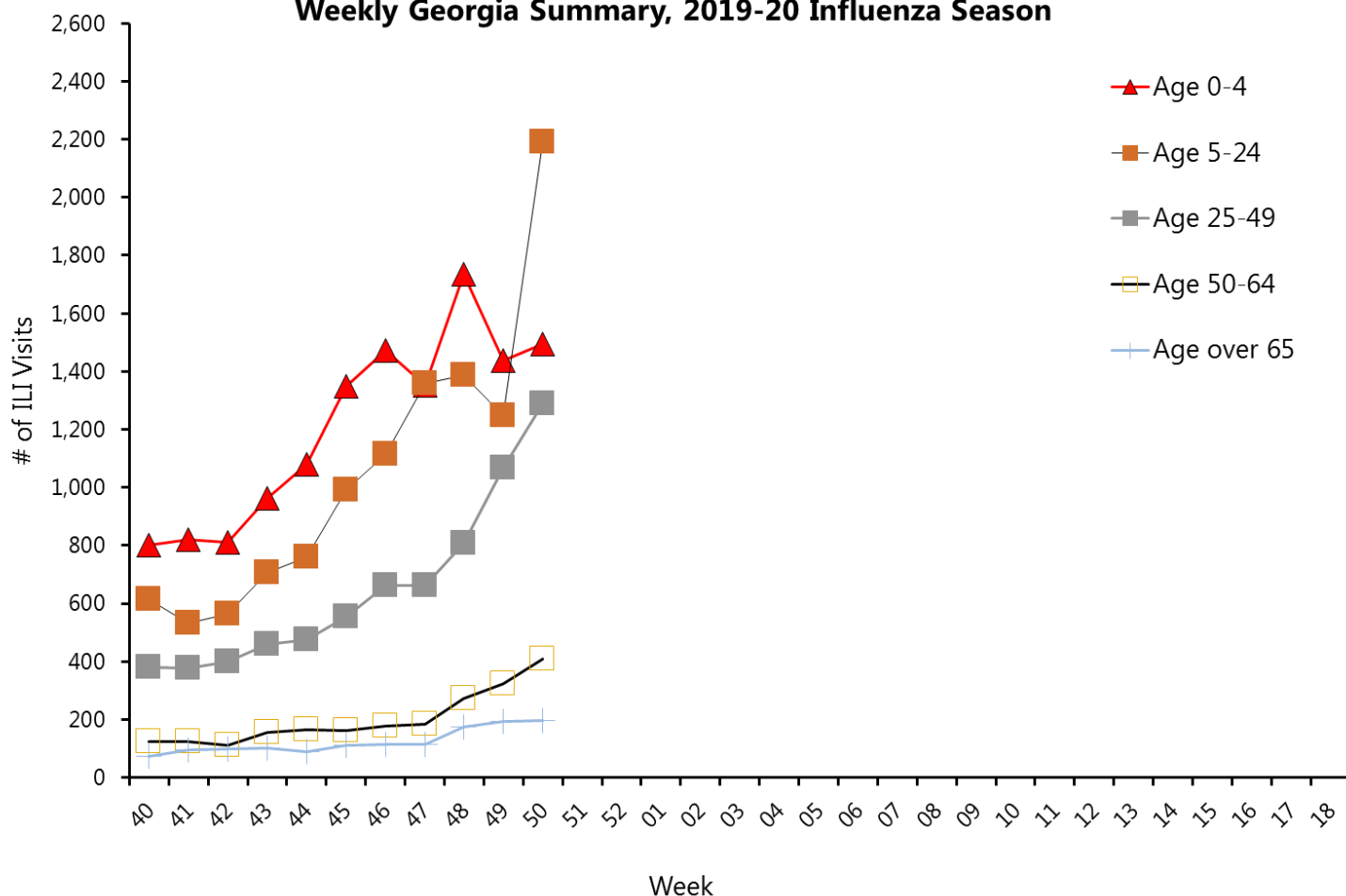
A total of 99 sentinel providers reported data for week 50.

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: 2.4%).

**Percentage of Visits for Influenza-like Illness (ILI) Reported by the Outpatient Influenza-like Illness Surveillance Network (ILINet), Weekly Georgia Summary, 2019-20 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, 2019-20 Influenza Season**



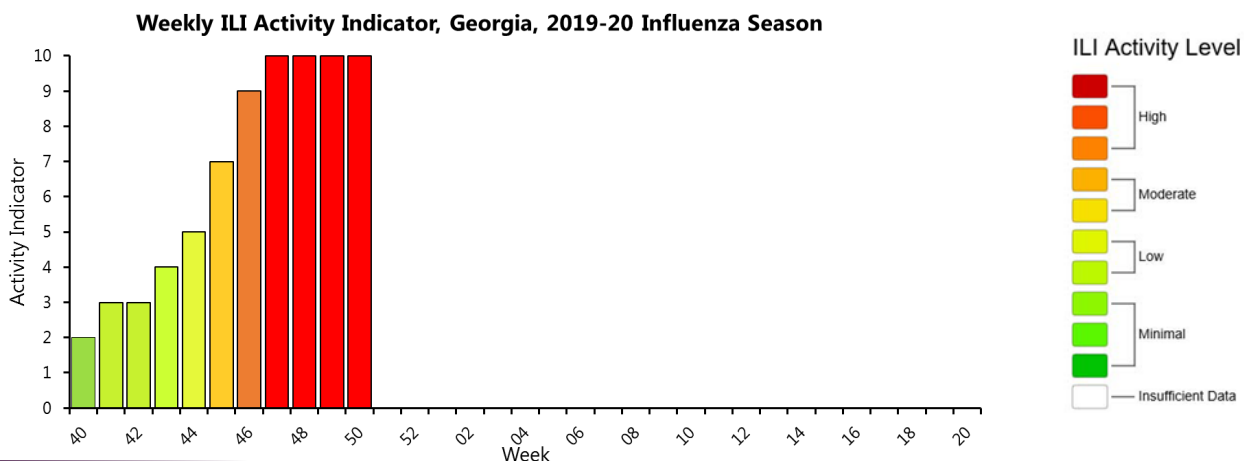
**Summary of ILI, by Age, Reported to ILINet, Weekly Georgia, 2019-20 Influenza Season**

Age Group in Years	No. of ILI Visits (Week 50)	Cumulative Data since September 29, 2019 (Week 40)
0-4	1,495	13,314
5-24	2,191	11,469
25-49	1,288	7,133
50-64	408	2,204
65+	197	1,367
<b>Total</b>	<b>5,579</b>	<b>35,487</b>

## 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 50, the activity level in Georgia was **HIGH = 10**

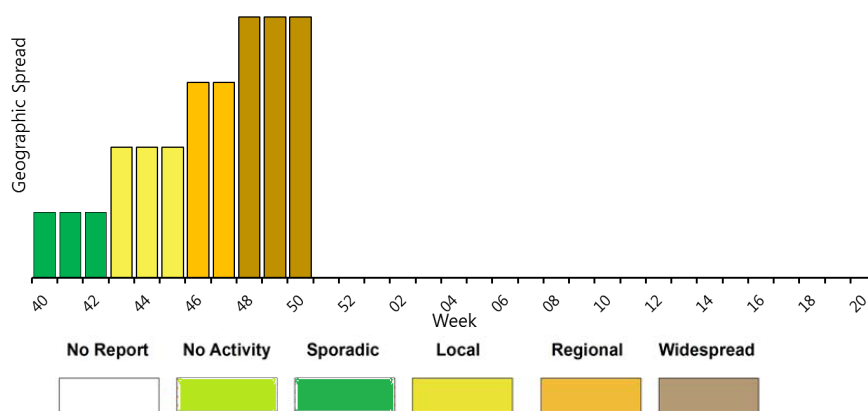


## Geographic Spread of Influenza

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

During week 50, the geographic spread of influenza in Georgia was **WIDESPREAD**.

**Weekly Influenza Activity Estimates of Geographic Spread, Georgia, 2019-20 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.

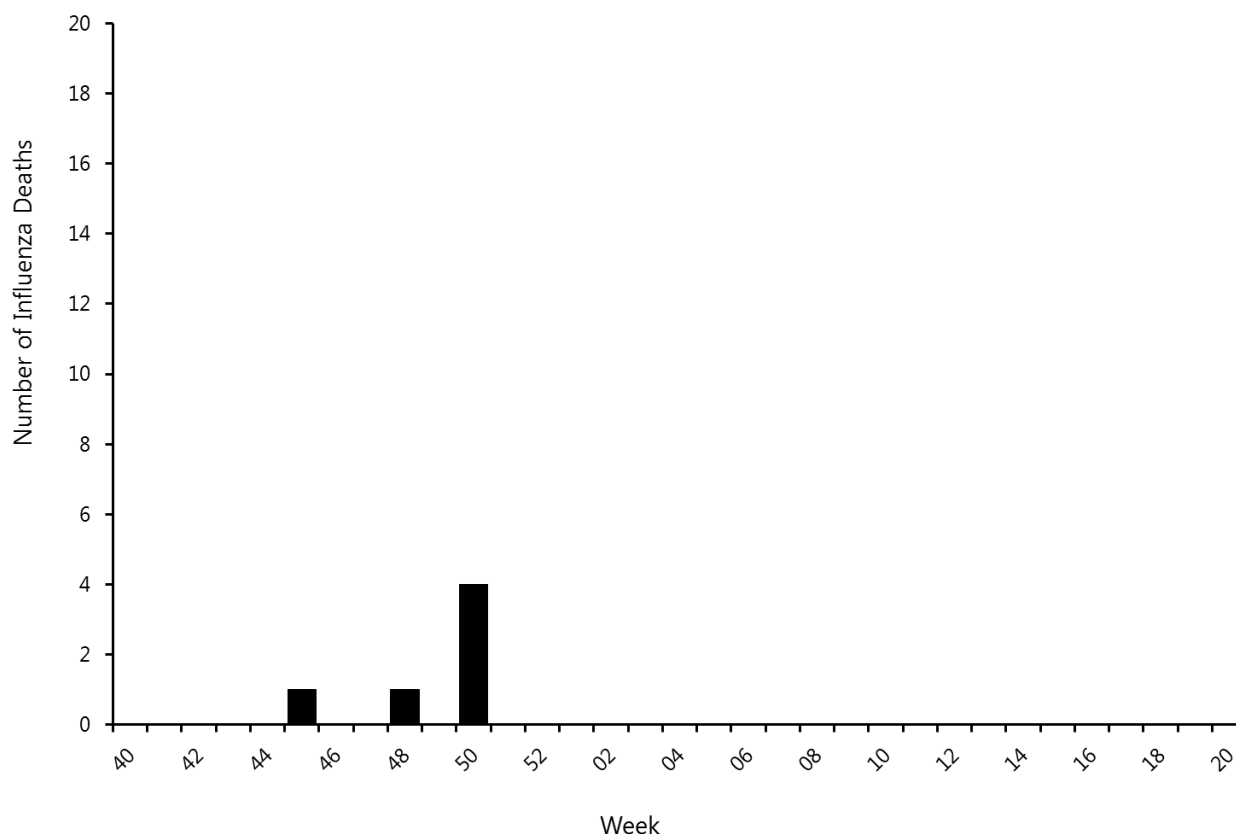
## Influenza-Associated Mortality

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 4 influenza-associated deaths reported in Georgia during week 50.

A total of 6 influenza-associated deaths have been confirmed for the 2019-20 season.

**Number of Laboratory Confirmed Influenza Deaths by Week of Death: Georgia  
Summary, 2019-20 Influenza Season**



**Summary of Influenza-associated Deaths, by Age, Georgia, 2019-20 Influenza Season**

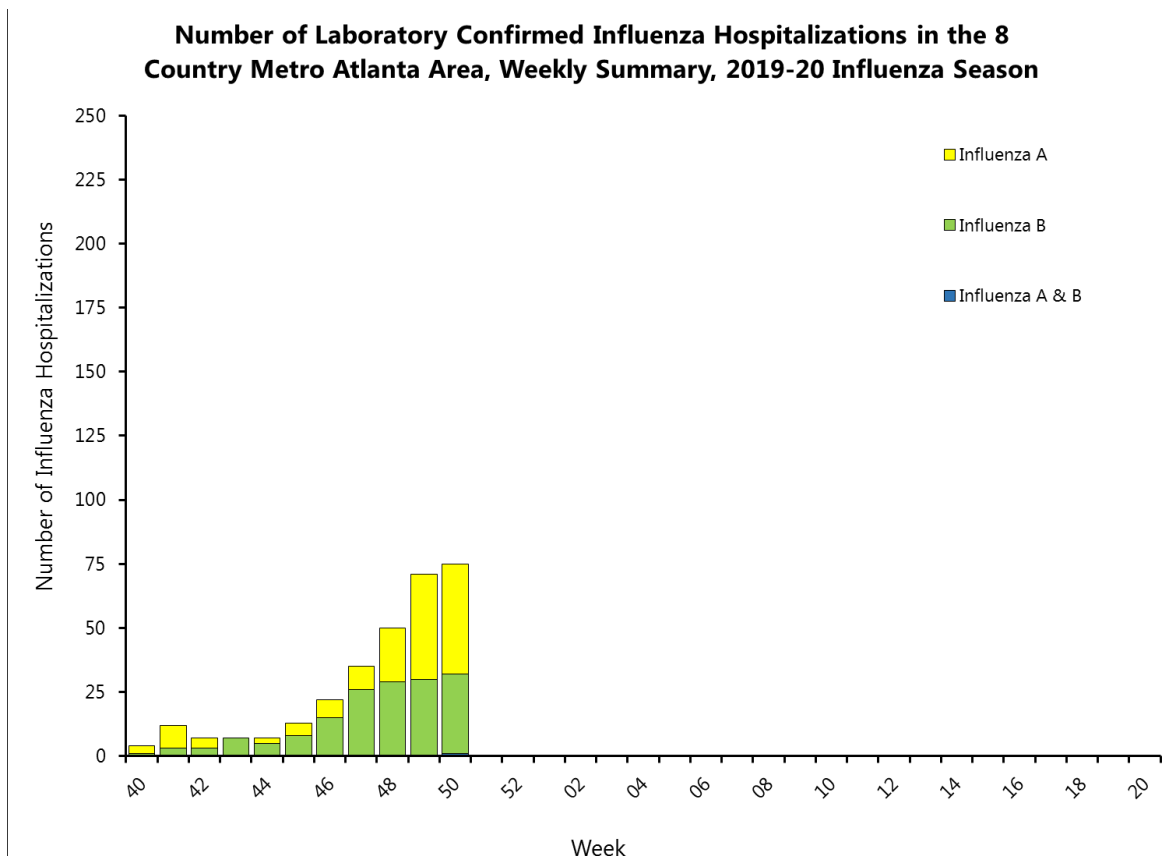
Age Group in Years	No. of Flu Deaths (Data Cumulative since Week 40)
0-4	1
5-17	0
18-49	2
50-64	0
65+	3
Total	6

## 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 2019-20 influenza season.

There were 75 laboratory confirmed influenza hospitalizations confirmed for week 50.

A total of 303 laboratory confirmed influenza hospitalizations have been reported for the 2019-20 season.



### Summary of Influenza Hospitalizations, by Age, Georgia, 2019-20 Influenza Season

Age Group in Years	No. of Flu Hospitalization (Cumulative Data since Week 40)	Hospitalization Rate (per 100,000 population)
0-4	44	16.6
5-17	46	6.3
18-49	94	5.0
50-64	48	6.3
65+	71	15.0
<b>Total</b>	<b>303</b>	<b>7.3</b>

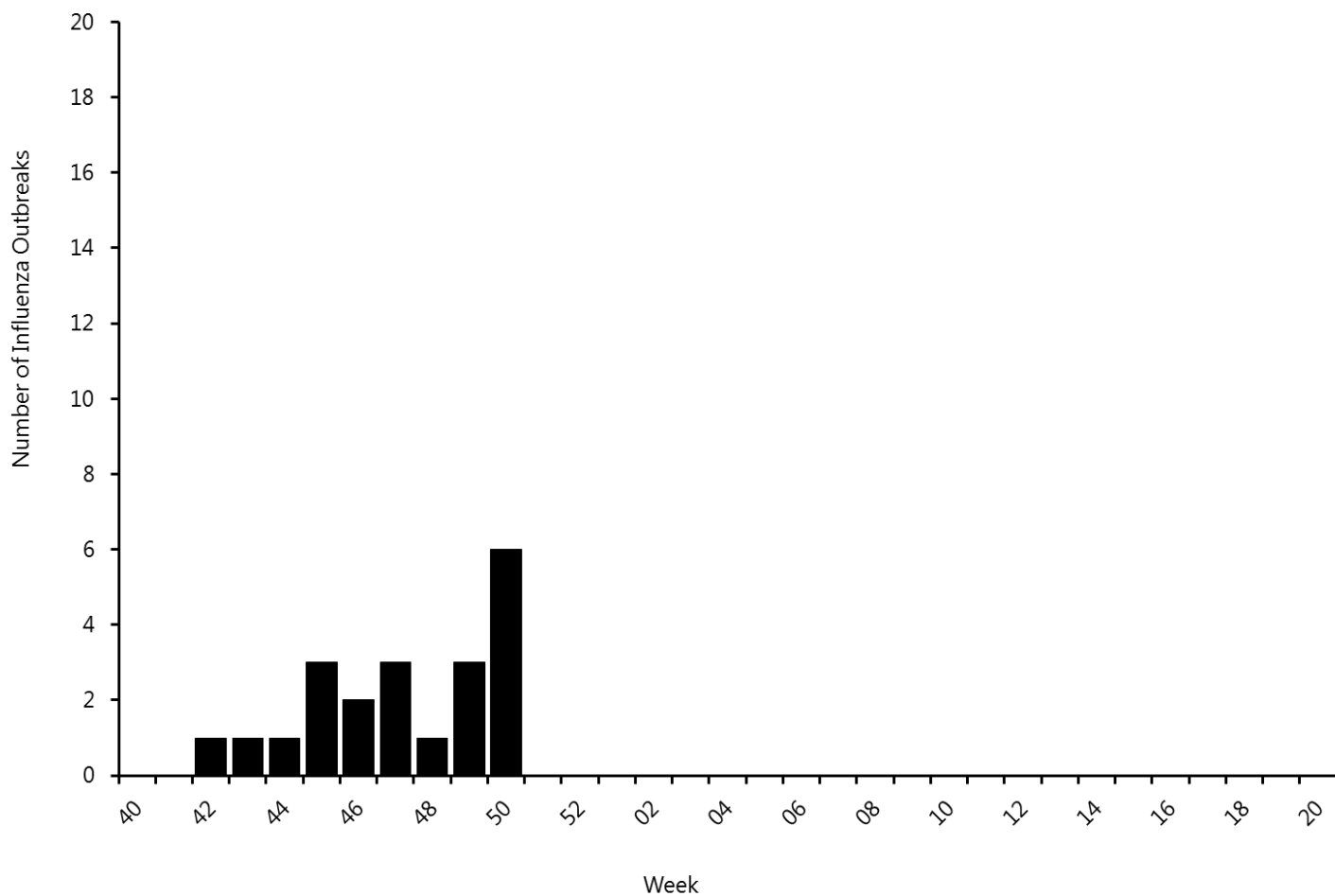
## Influenza Outbreaks

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

6 influenza outbreaks were reported for week 50.

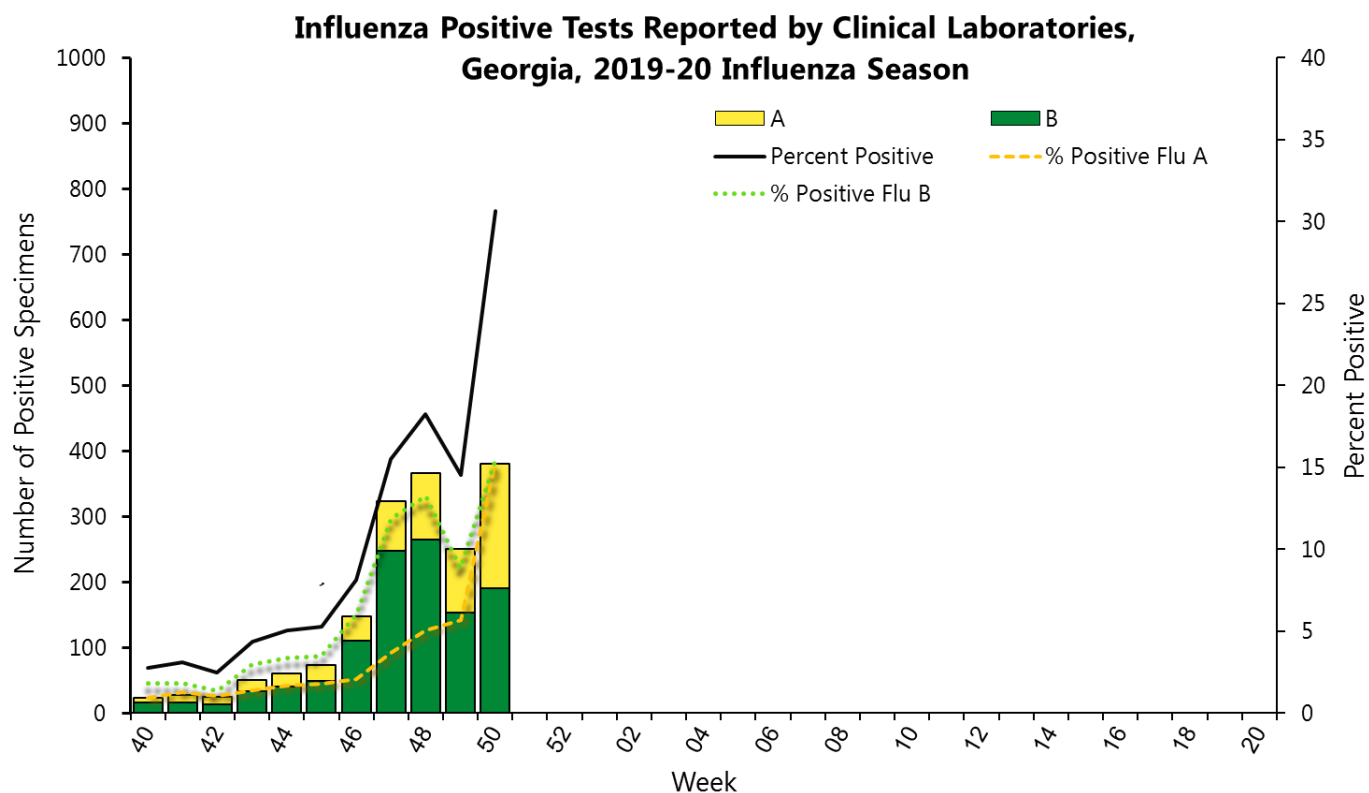
A total of 21 laboratory confirmed influenza outbreaks have been reported in Georgia for the 2019-20 season.

**Number of Laboratory Confirmed Influenza Outbreaks by Week Reported to Public Health, Weekly Georgia, Summary, 2019-20 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).

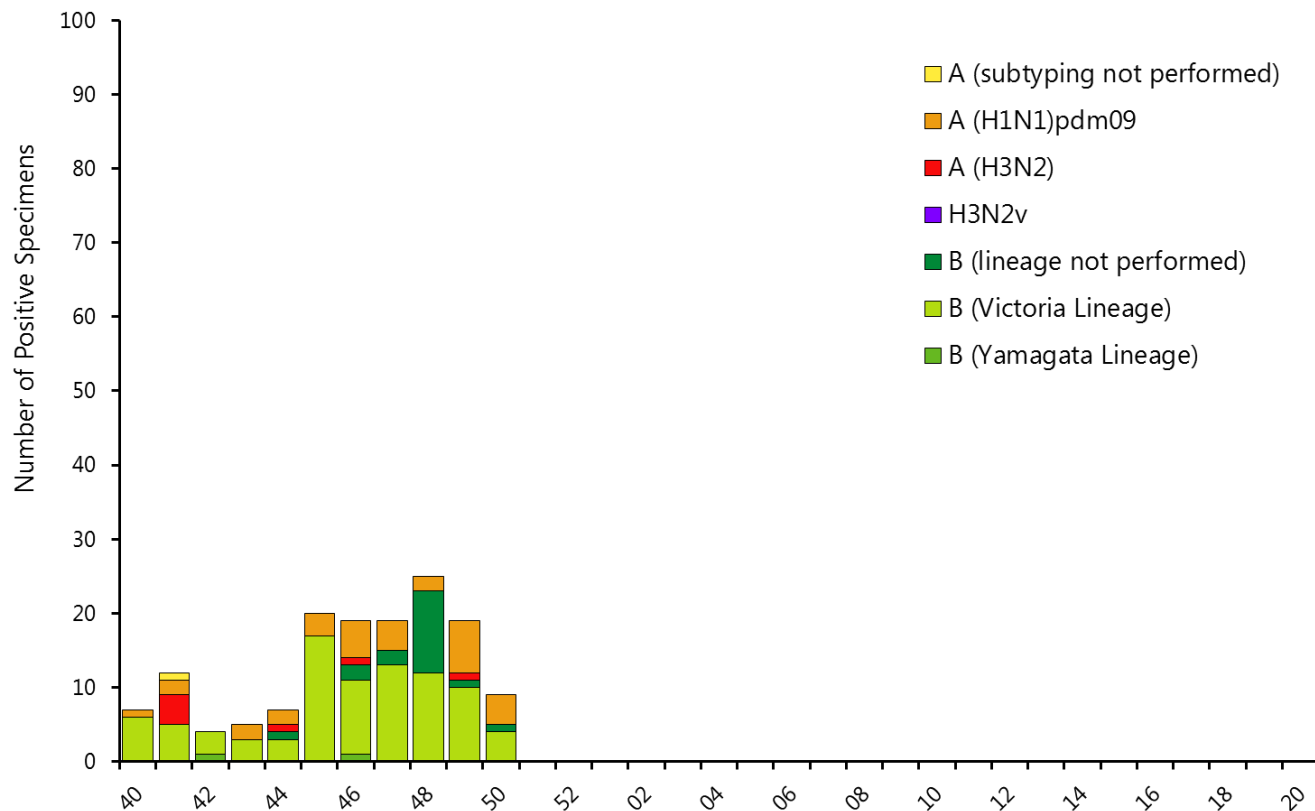


### Summary of Influenza Tests from Clinical Laboratories, Georgia,

	Week 50	Cumulative Data Since Week 40
No. of specimens tested	1,239	15,388
No. of positive specimens	380	1,729
<i>Influenza A</i>	190	594
<i>Influenza B</i>	190	1,135



During week 50, public health laboratories in Georgia reported testing 31 specimens for influenza, 9 were positive (4 influenza A(H1N1), 1 influenza B (lineage not performed), and 4 influenza B (Victoria Lineage)).



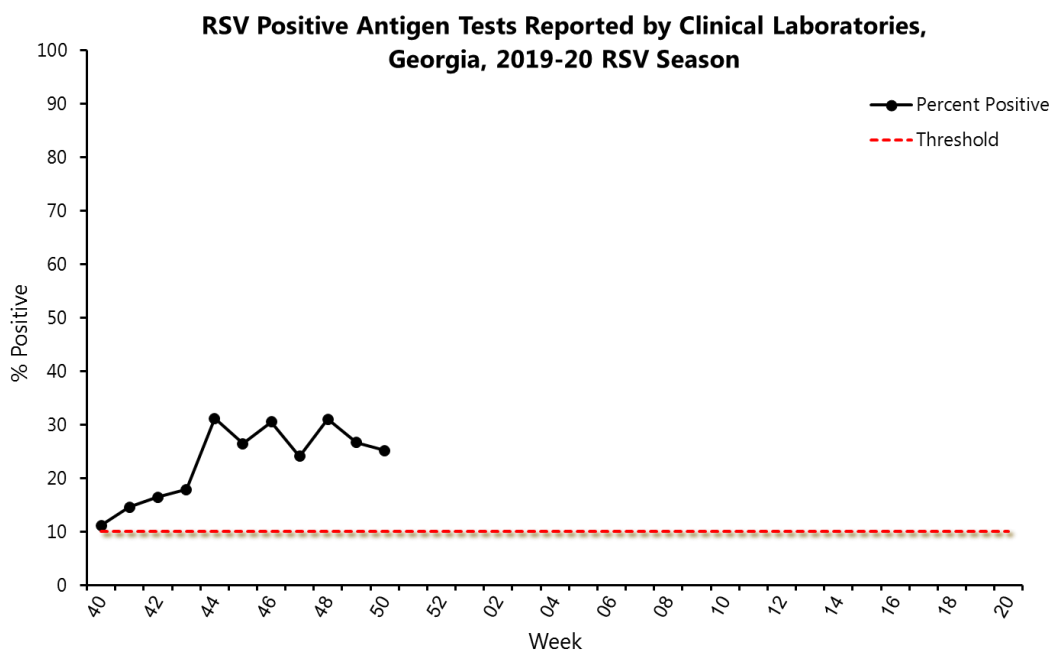
**Summary of Influenza Tests from Public Health Laboratories, Georgia,**

	Cumulative Data Since Week 40
No. of specimens tested	501
No. of Positive Specimens	146
<i>Influenza A (subtype not performed)</i>	1
<i>A(H1N1)pmd09</i>	32
<i>H3</i>	7
<i>Influenza B (lineage not performed)</i>	18
<i>Yamagata lineage</i>	2
<i>Victoria lineage</i>	86

## Respiratory Syncytial Virus Infection (RSV) Surveillance

Data from NREVSS are also analyzed to measure the RSV seasonality. Antigen and polymerase chain reaction (PCR) tests are analyzed separately to determine the start and end of RSV season. Season onset is defined as the first week of two consecutive weeks when the percent positive of ALL laboratory confirmed tests are greater than or equal a certain threshold. The end is defined as the first week of two consecutive weeks when the percent positive of ALL laboratory confirmed tests are less than a certain threshold. For antigen-based testing, the threshold is 10% and for PCR the threshold is 3%.

During week 50, clinical laboratories in Georgia reported testing 282 specimens with antigen testing methods, 25.18% were positive for RSV.



During week 50, clinical laboratories in Georgia reported testing 338 specimens with **PCR** testing methods, 20.41% were positive for RSV.

