

# Stark County's Influenza Weekly Report

Week 14 (3/31/19-4/6/19)



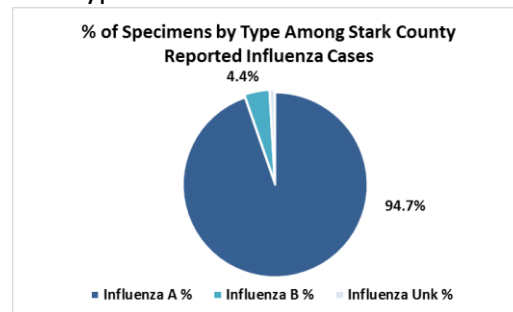
Public Health  
Prevent. Promote. Protect.

## During Week 14:

- Stark County had 23 influenza-associated hospitalizations.
- Nationally, 4 influenza-associated pediatric deaths were reported this week.
- 477 influenza A specimens were collected nationally from public health laboratories, 104 subtyped as the 2009 H1N1 virus, 345 subtyped as the H3 virus, and the remainder not subtyped.

## So Far this Season:

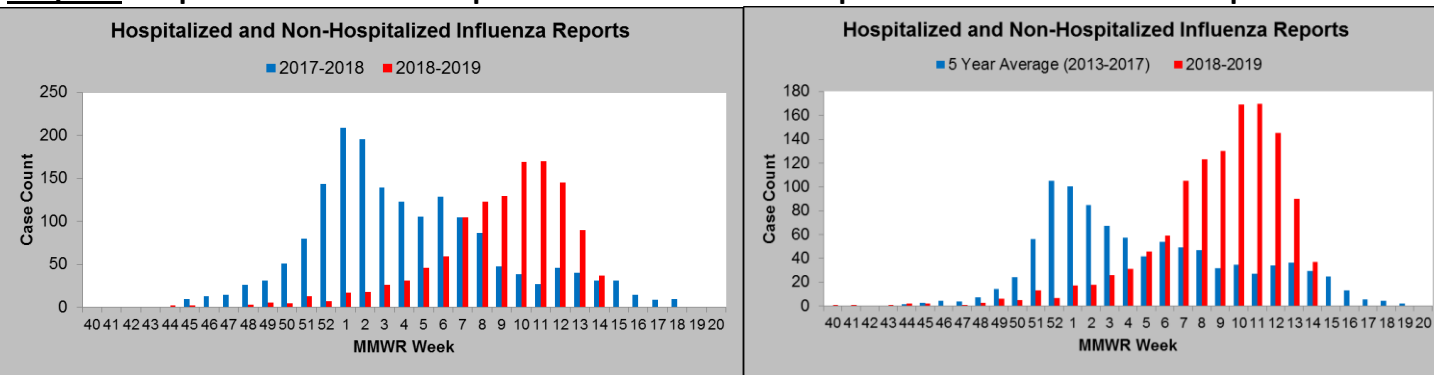
- There have been 431 influenza-associated hospitalizations so far this season in Stark County.
  - Age range of 2 weeks to 104 years; median age 68.
- A national cumulative rate of 59.9 influenza-associated hospitalizations per 100,000 was reported through Week 14.
- 36,030 Influenza A specimens were collected nationally from public health laboratories, comprising 97.0% of all specimens collected. Of these 59.3% were subtyped as the 2009 H1N1 virus and 40.7% as the H3 virus.
- Nationally, 86 influenza-associated pediatric deaths have been reported this season.
- CDC has reported a preliminary vaccine effectiveness of **47% effective** (95% CI: 34%-57%).



## Viruses Circulating vs. Viruses in this Year's Vaccine

- Nationally through Week 14, 1,838 Influenza A specimens were genetically or antigenically characterized.
  - There were 676 Influenza A (H3N2) viruses collected, a sample showing significant genetic diversity. 55.1% of those characterized matched the Influenza A (H3N2) component in this year's vaccine. There were 932 Influenza A (H1N1) viruses collected; 97.0% of those characterized matched the Influenza A (H1N1) component of this year's vaccine
- Nationally through Week 14, 230 influenza B specimens were genetically or antigenically characterized.
  - Of these, 100 were antigenically characterized from the Yamagata Lineage and 83 characterized from the Victorian Lineage. Of these specimens, 100% of the Yamagata Lineage matched the Influenza B component of the 2018-2019 vaccine and 75.9% of the specimens from the Victorian Lineage matched.

## Graph 1: Hospitalized and Non-Hospitalized Influenza Cases Reported to the Local Health Department.



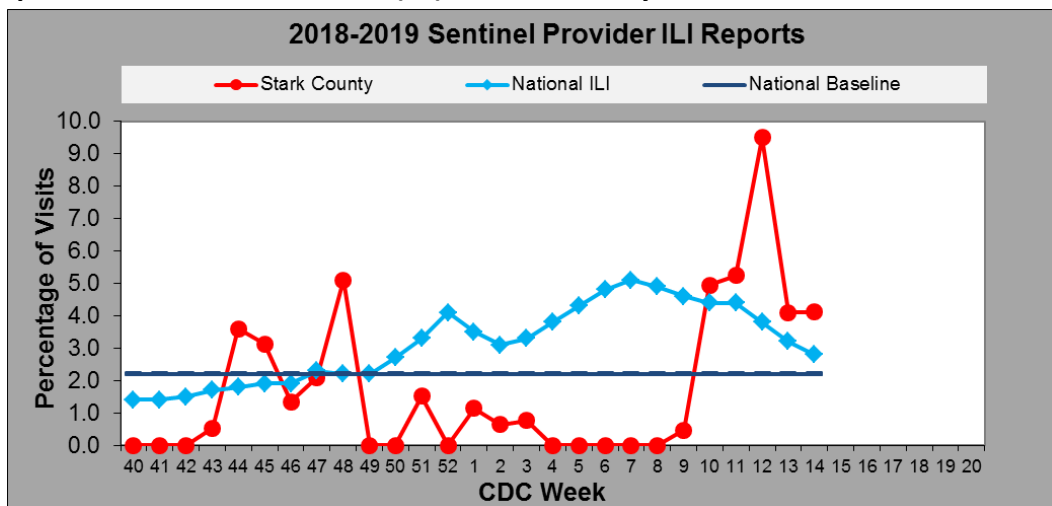
- ◆ There were 37 cases of hospitalized or non-hospitalized influenza reported during Week 14 in Stark County; last year at the same time there were 31 cases reported. Stark has had 1208 cases (1701 at the same point last year)

\* All data presented in this weekly report are preliminary and may change as additional information is received.

\* Multiyear averages included in this weekly report do not include the 2009/2010 H1N1 season.

**Graph 2: Sentinel Provider Reported Influenza Like Illness (ILI) in Stark County.**

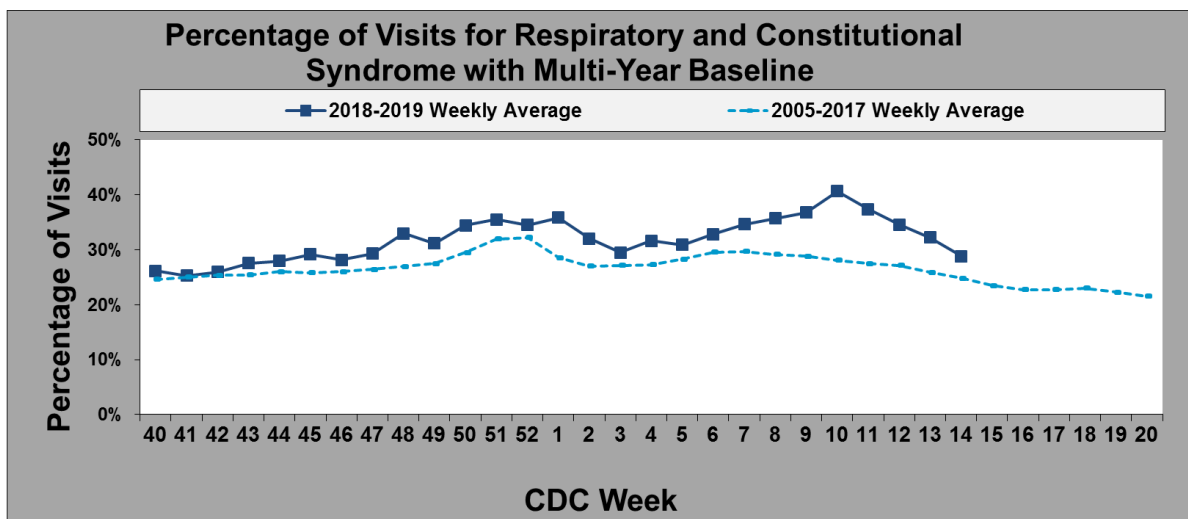
- ◆ During Week 14 the Stark County Sentinel Providers reported 4.1% of visits for ILI. Nationally 2.8% of visits were for ILI. The national baseline is 2.2% of visits.



**Graph 3: Emergency Department Visits for Respiratory and Constitutional Syndromes.**

(Source: Health Monitoring Systems, EpiCenter, Hospital and Stat Care Patient Registration Surveillance System)

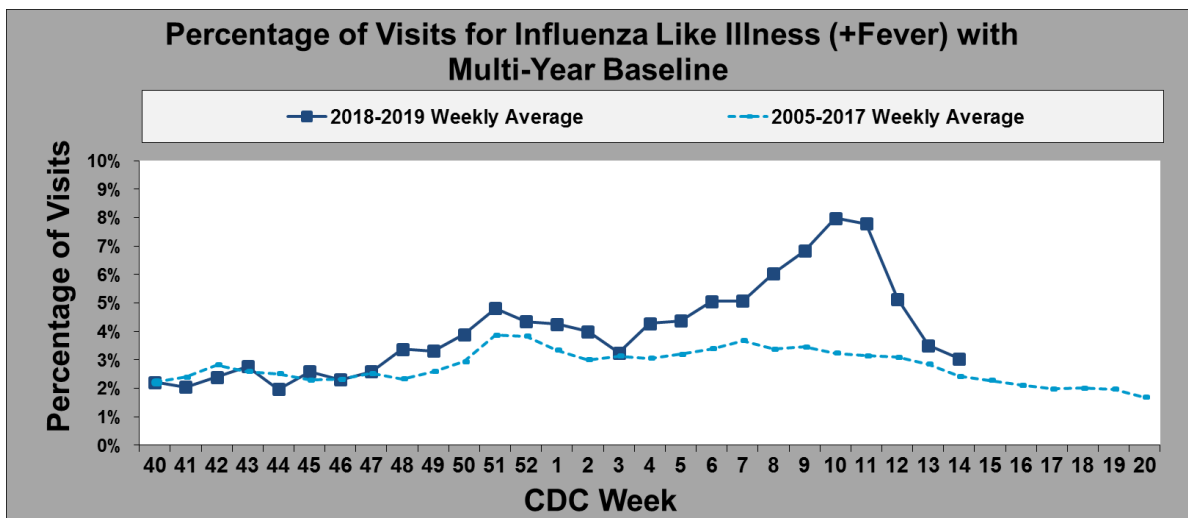
- ◆ ED and Stat Care visits for respiratory and constitutional decreased but remained above the multi-year average.



**Graph 4: Emergency Department (ED) Visits for Influenza Like Illness (+Fever).**

(Source: Health Monitoring Systems, EpiCenter, Hospital and Stat Care Patient Registration Surveillance System)

- ◆ ED and Stat Care visits for ILI + Fever for MMWR Week 14 decreased but remained above the multi-year average.



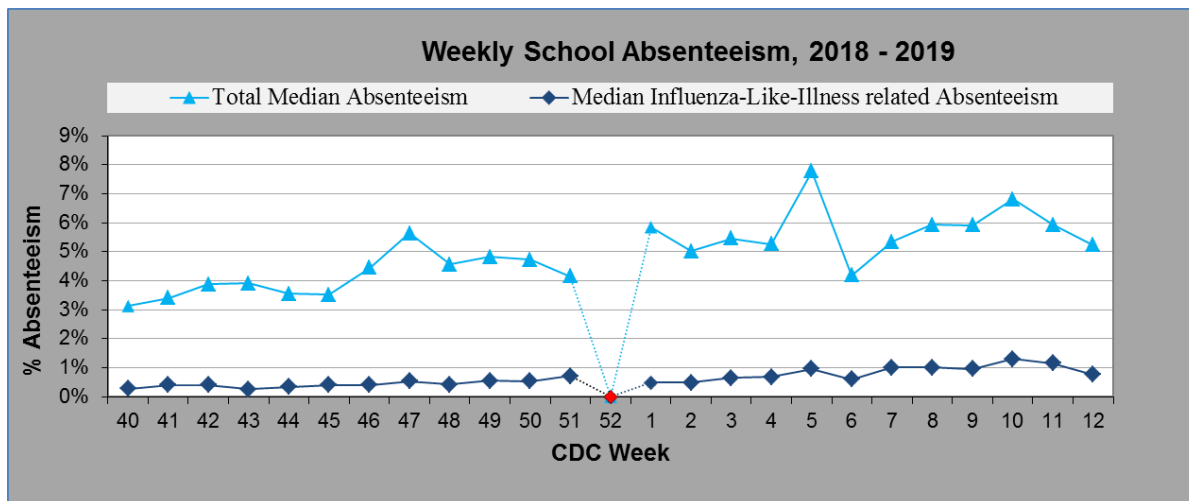
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**Graph 5: Stark County School Absenteeism.**

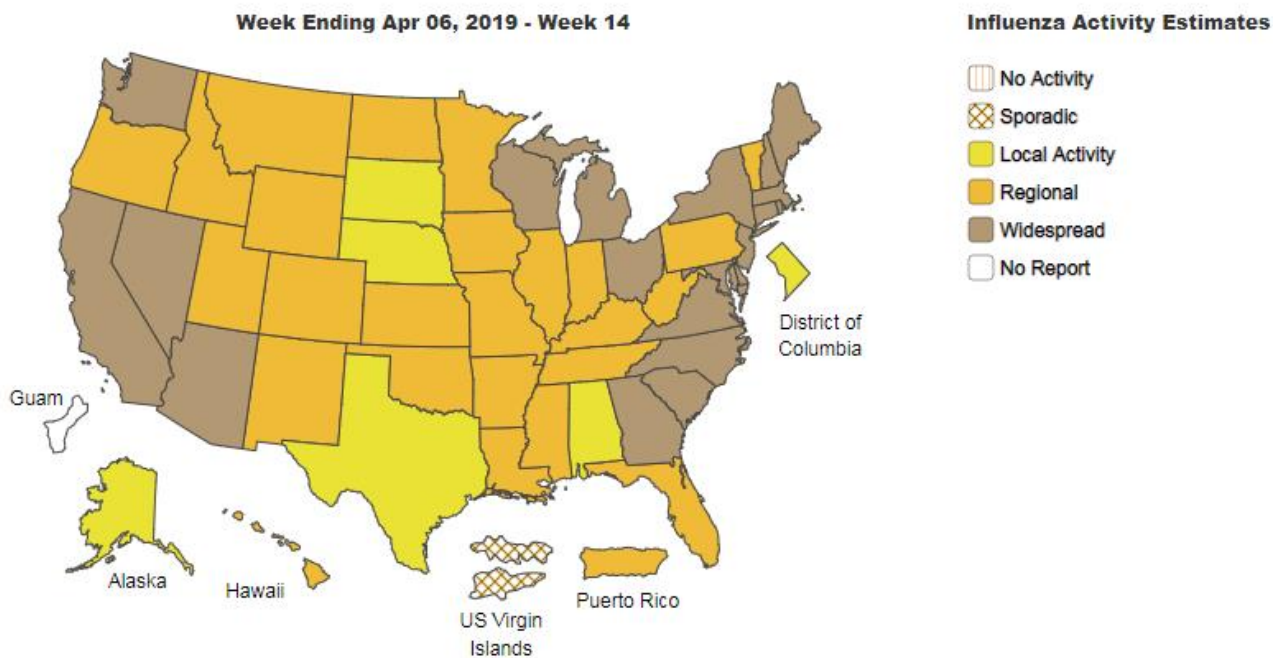
(Source: Voluntary reporting by multiple school districts throughout the county)

◆ Absence reporting has finished for the 2019 season.



**Map: Weekly Geographic Influenza Activity Estimates Reported by State and Territorial Epidemiologists Syndromes.**  
 (Source: Health Monitoring Systems, EpiCenter, hospital and stat care patient registration surveillance system)

◆ During Week 14, Ohio reported widespread activity. 17 states also reported widespread influenza activity.



Alliance City Health Department  
[cityofalliance.com/health](http://cityofalliance.com/health)



Promoting and Protecting Health Since 1849  
 Canton City Health Department  
[cantonhealth.org](http://cantonhealth.org)



Massillon City Health Department  
[massillonohio.com/health](http://massillonohio.com/health)



Stark County Health Department  
[starkhealth.org](http://starkhealth.org)

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