

# Stark County's Influenza Weekly Report

**Week 42 (10/15/17-10/21/17)**

## During Week 42:

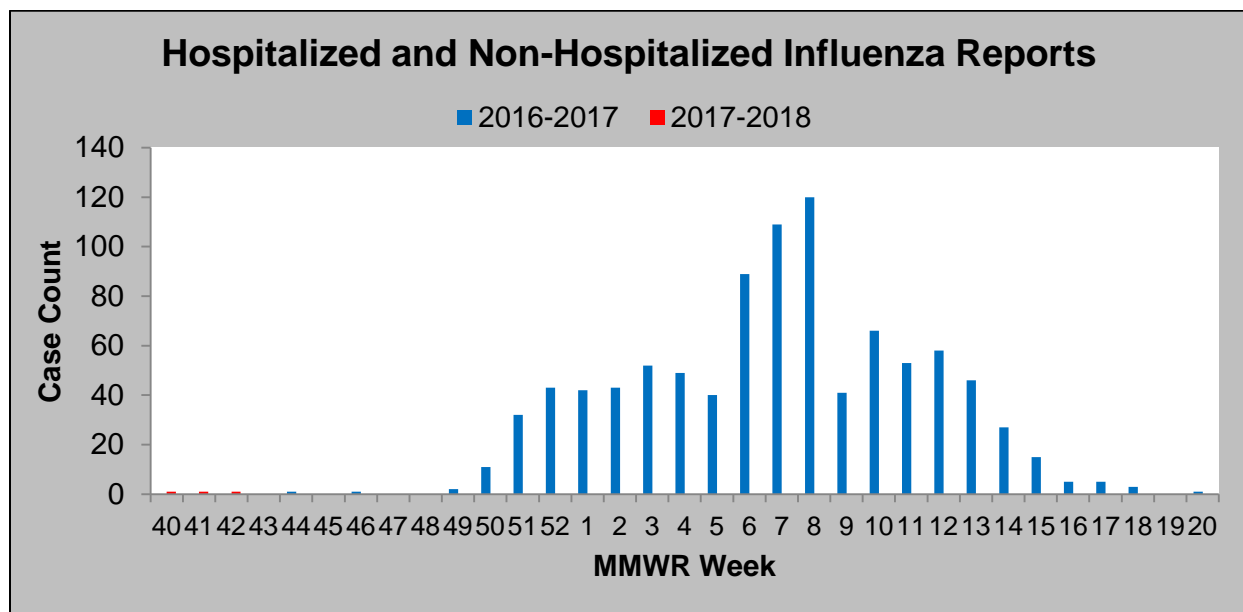
- During week 42 Stark County had one influenza-associated hospitalization.
- The national cumulative rate for laboratory-confirmed influenza-associated hospitalizations per 100,000 is not available yet this season.
- During week 42, 78 influenza A specimens were collected nationally from public health laboratories, 3 subtyped as the 2009 H1N1 virus and 69 subtyped as the H3 virus.
- The first influenza-associated pediatric death of the season was reported during week 42.

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

- Nationally, 126 of the influenza A (H3N2) viruses collected prior to October 21, 2017 were antigenically characterized. Of those characterized 97% were components in this year's influenza vaccine.
- There were 43 influenza A (H1N1) viruses collected and 100% matched the influenza A (H1N1) component in this year's vaccine.
- There were 87 specimens characterized nationally as Influenza B. Of these, 59 subtyped from the Yamagata Lineage and 28 subtyped from the Victorian Lineage. Of these specimens 89% matched the Influenza B component of the 2017-2018 vaccine.

## Graph 1: Influenza Cases Reported to the Local Health Department.

- ◆ There was one case of hospitalized or non-hospitalized influenza to report for Week 42 in Stark County.

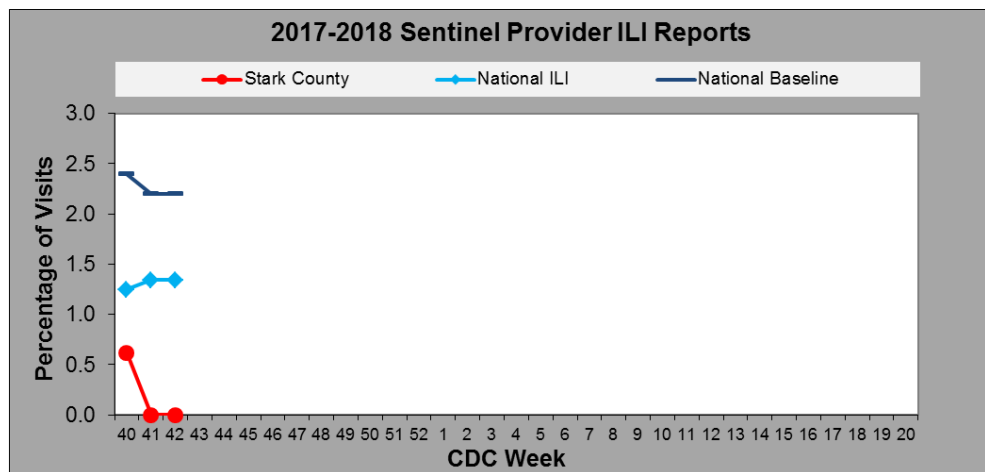


\* All data presented in this weekly report are preliminary and may change as additional information is received.

\* 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.**

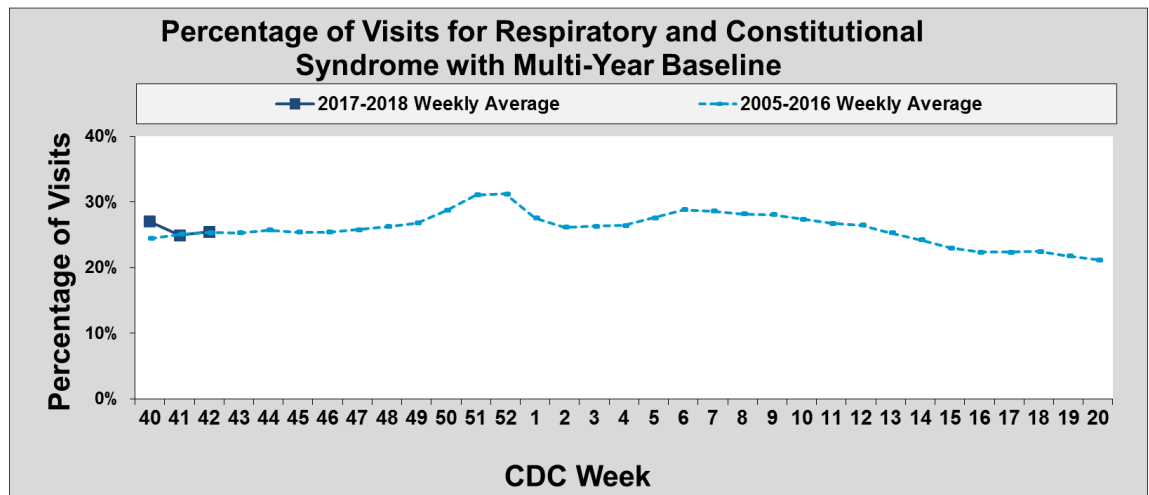
- ◆ During week 42 the Stark County Sentinel Providers reported zero visits for ILI. Nationally 1.3% of visits are for ILI. The national baseline is 2.2% of visits.



**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 syndrome were around the 10 year average for Week 42.

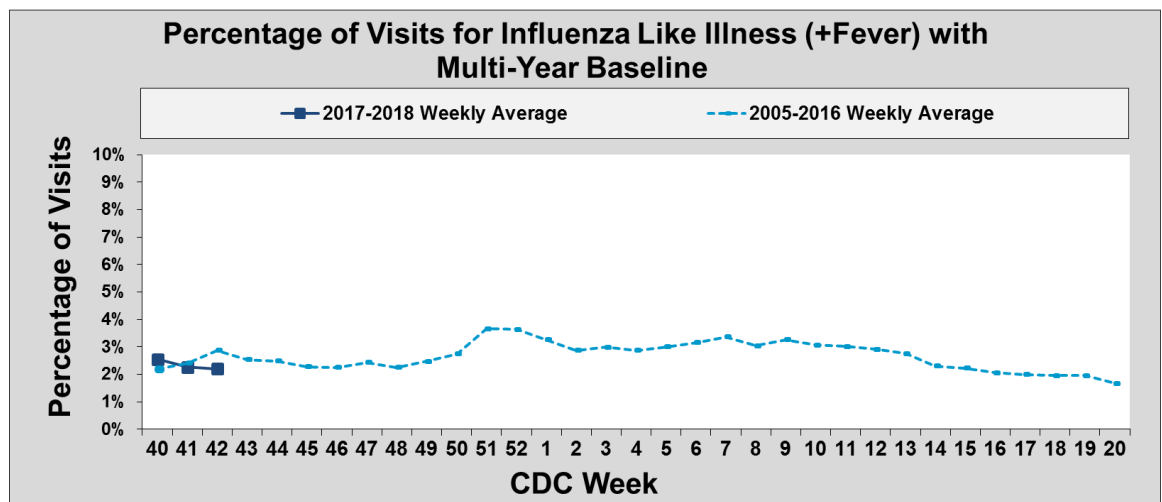


**Graph 4:**

**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 42 was below the multi-year average.



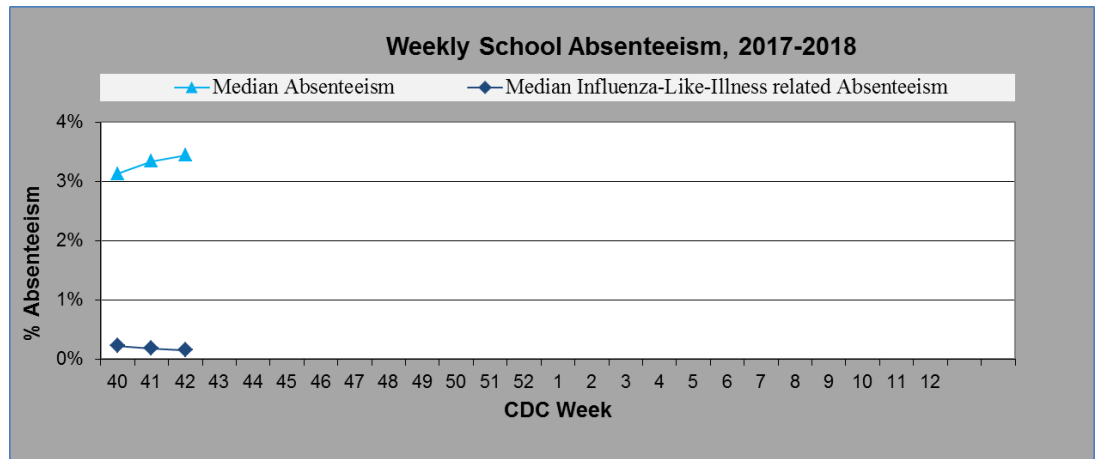
\* All data presented in this weekly report are preliminary and may change as additional information is received.

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

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

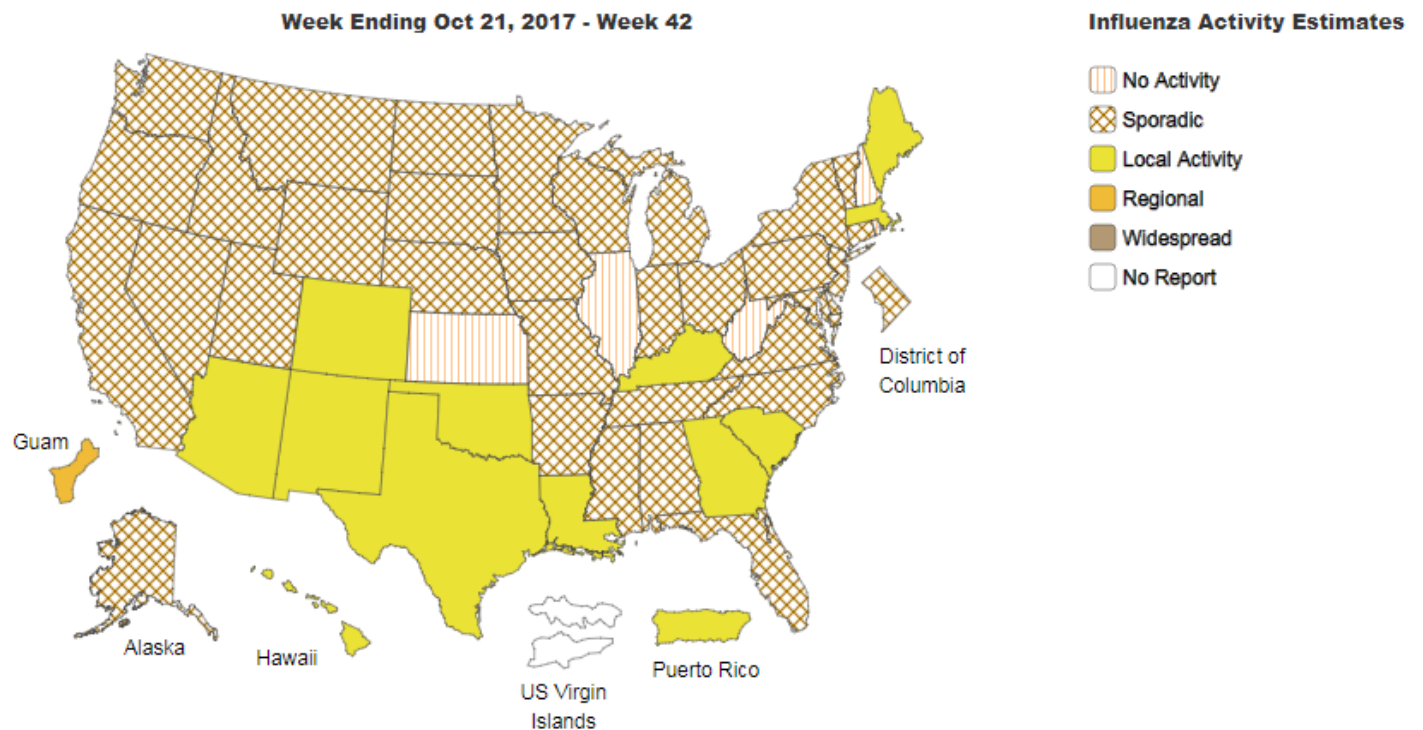
(Source: Voluntary reporting by multiple school districts throughout the county)

◆ During week 42, there were 57 schools reporting absenteeism. Of those, a median of 3.44% of students were absent and a median of 0.15% absent due to ILI.



**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 42, Ohio had sporadic influenza activity. 12 states and 2 territories had local or regional activity reported.

\* 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.



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)

\* 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.