

Stark County's Influenza Weekly Report

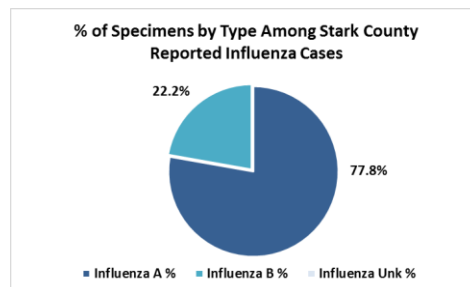
Week 50 (12/9/18-12/15/18)



Public Health
Prevent. Promote. Protect.

During Week 50:

- During week 50 Stark County had 1 influenza-associated hospitalization.
- Nationally, 1 influenza-associated pediatric death was reported this week.
- During week 50, 399 influenza A specimens were collected nationally from public health laboratories, 308 subtyped as the 2009 H1N1 virus, 68 subtyped as the H3 virus, and the remainder not subtyped.



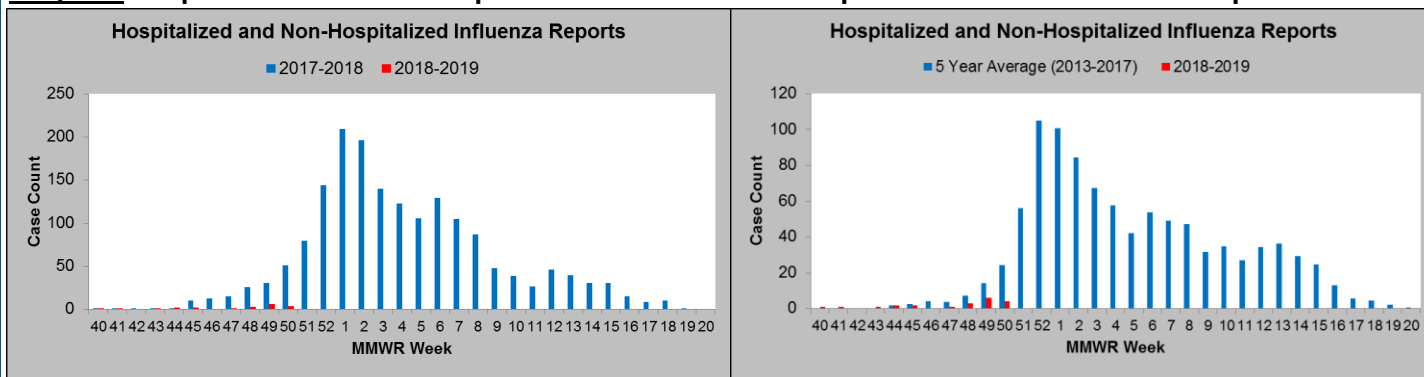
So Far this Season:

- There have been 6 influenza-associated hospitalizations so far this season in Stark County.
- A national cumulative rate of 2.9 influenza-associated hospitalizations per 100,000 was reported through Week 50.
- Through Week 50, 2,086 specimens were collected nationally from public health laboratories. 1,957 were typed as Influenza A, comprising 93.8% of all specimens collected. Of these 79.0% were subtyped as the 2009 H1N1 virus while 21.0% were subtyped as the H3 virus.
- Nationally, 7 influenza-associated pediatric deaths have been reported this season. Last year at the same time there were 12 deaths reported.

Viruses Circulating vs. Viruses in this Year's Vaccine

- Nationally through Week 50, 233 Influenza A specimens were genetically or antigenically characterized.
 - There were 70 Influenza A (H3N2) viruses collected, a sample showing significant genetic diversity. All of those characterized matched the Influenza A (H3N2) component in this year's vaccine. There were 79 Influenza A (H1N1) viruses collected; 98.7% of those characterized matched the Influenza A (H1N1) component of this year's vaccine
- Nationally through Week 50, 31 influenza B specimens were genetically or antigenically characterized.
 - Of these, 16 were antigenically characterized from the Yamagata Lineage and 3 characterized from the Victorian Lineage. Of these specimens, 100% of the Yamagata Lineage matched the Influenza B component of the 2017-2018 vaccine and none of the specimens from the Victorian Lineage matched.

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



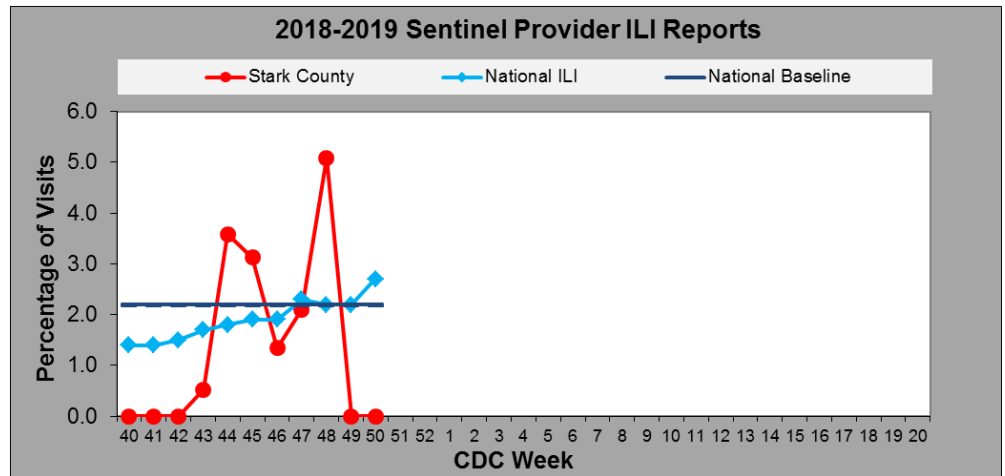
- ◆ There were 4 cases of hospitalized or non-hospitalized influenza reported during Week 50 in Stark County. Last year at the same time there were 51 cases reported.

* 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.

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

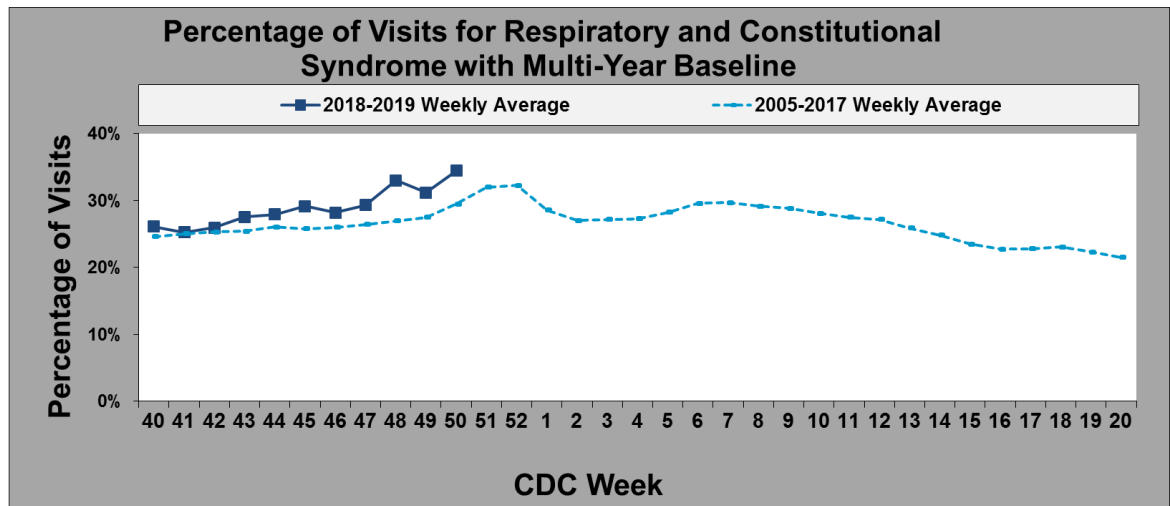
- ◆ During week 50 the Stark County Sentinel Providers did not report visits for ILI. Nationally 2.7% of visits were for ILI. The national baseline is 2.2% of visits.



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

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

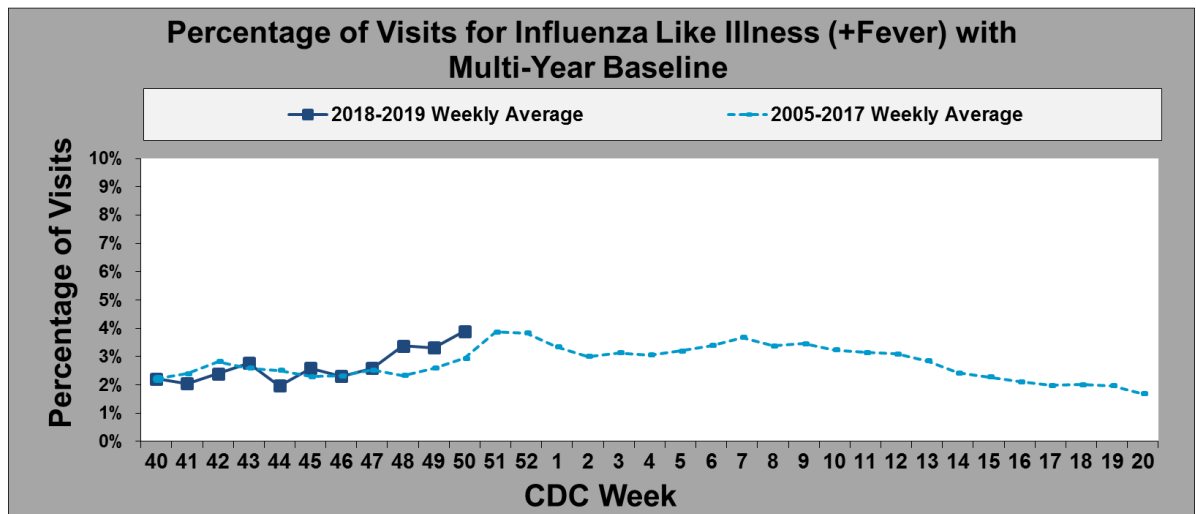
- ◆ ED and Stat Care visits for respiratory and constitutional increased and remained above the multi-year average.



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 50 increased and remained above the multi-year average.

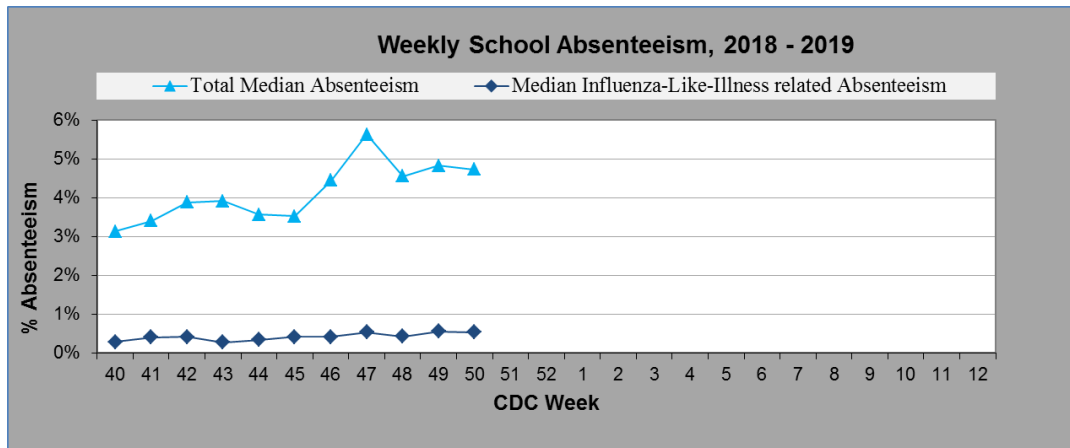


* All data presented in this weekly report are preliminary and may change as additional information is received.
 * Multiyear averages included in this weekly report do not include the 2009/2010 H1N1 season.

Graph 5: Stark County School Absenteeism.

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

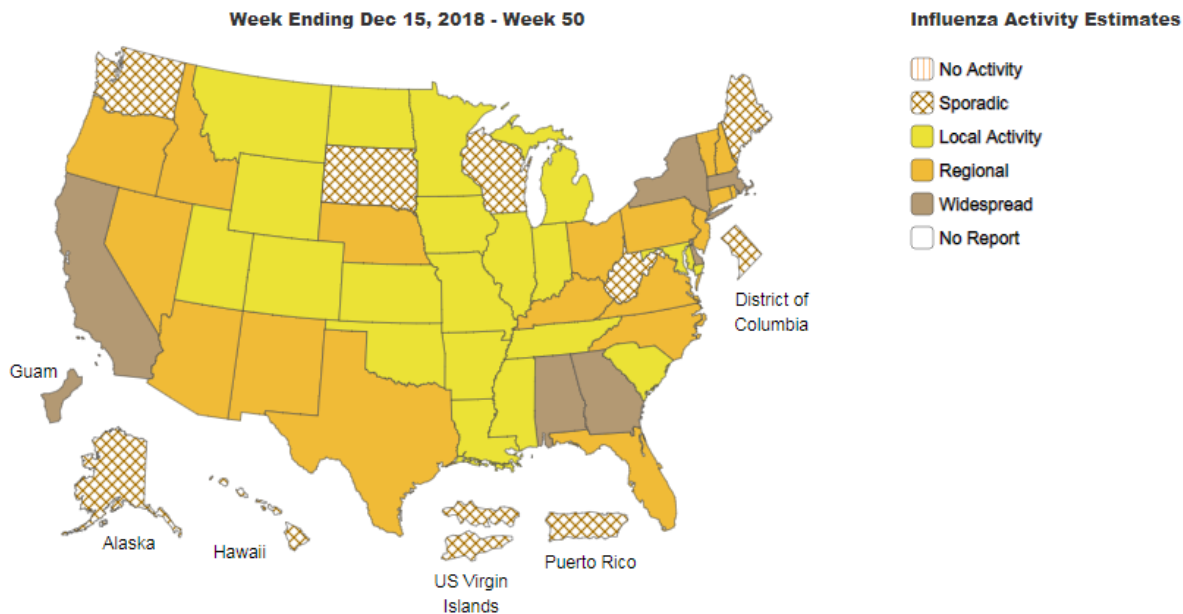
◆ During week 50, there were 50 schools reporting absenteeism. Of those, a median of 4.73% of students were absent and a median of 0.54% absent due to ILI.



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 50, Ohio reported regional activity. Five states and Guam reported widespread influenza activity. Alaska, Hawaii, US Virgin Islands, and Puerto Rico reported sporadic activity.



Alliance City Health Department
cityofalliance.com/health



Canton City Health Department
cantonhealth.org



Massillon City Health Department
massillonohio.com/health



Stark County Health Department
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.