

# Stark County's Influenza Weekly Report

Week 4 (1/20/19-1/26/19)



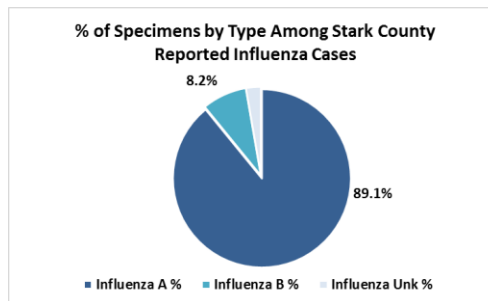
**Public Health**  
Prevent. Promote. Protect.

## During Week 4:

- Stark County had 11 influenza-associated hospitalizations.
- Nationally, 2 influenza-associated pediatric deaths were reported this week.
- 764 influenza A specimens were collected nationally from public health laboratories, 543 subtyped as the 2009 H1N1 virus, 179 subtyped as the H3 virus, and the remainder not subtyped.

## So Far this Season:

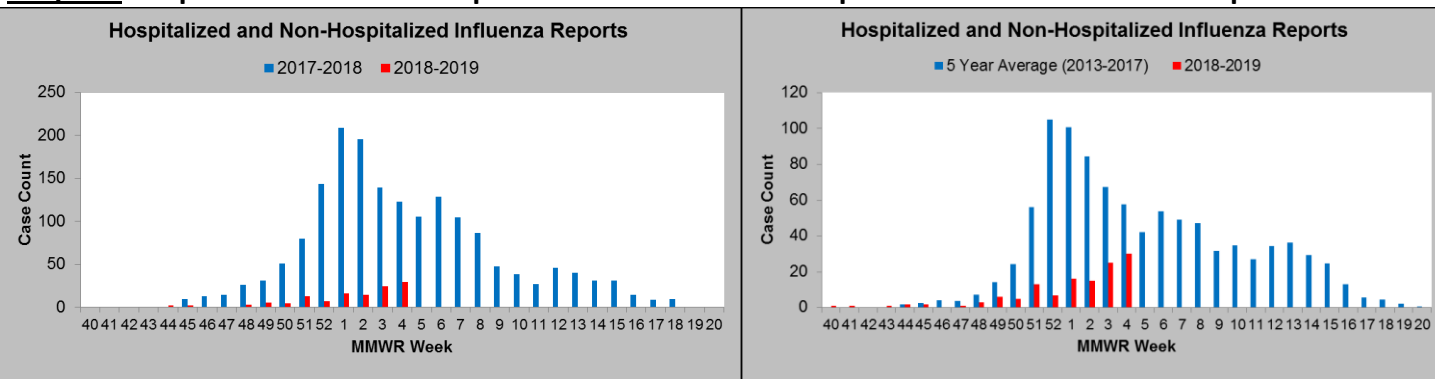
- There have been 47 influenza-associated hospitalizations so far this season in Stark County.
  - Age range of 2 weeks to 85 years; median age 57.
- A national cumulative rate of 15.3 influenza-associated hospitalizations per 100,000 was reported through Week 4.
- 9,970 Influenza A specimens were collected nationally from public health laboratories, comprising 97.1% of all specimens collected. Of these 81.4% were subtyped as the 2009 H1N1 virus while 18.6% were subtyped as the H3 virus.
- Nationally, 24 influenza-associated pediatric deaths have been reported this season.



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

- Nationally through Week 4, 658 Influenza A specimens were genetically or antigenically characterized.
  - There were 223 Influenza A (H3N2) viruses collected, a sample showing significant genetic diversity. 95.6% of those characterized matched the Influenza A (H3N2) component in this year's vaccine. There were 435 Influenza A (H1N1) viruses collected; 98.5% of those characterized matched the Influenza A (H1N1) component of this year's vaccine
- Nationally through Week 4, 80 influenza B specimens were genetically or antigenically characterized.
  - Of these, 33 were antigenically characterized from the Yamagata Lineage and 32 characterized from the Victorian Lineage. Of these specimens, 100% of the Yamagata Lineage matched the Influenza B component of the 2018-2019 vaccine and 71.4% of the specimens from the Victorian Lineage matched.

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



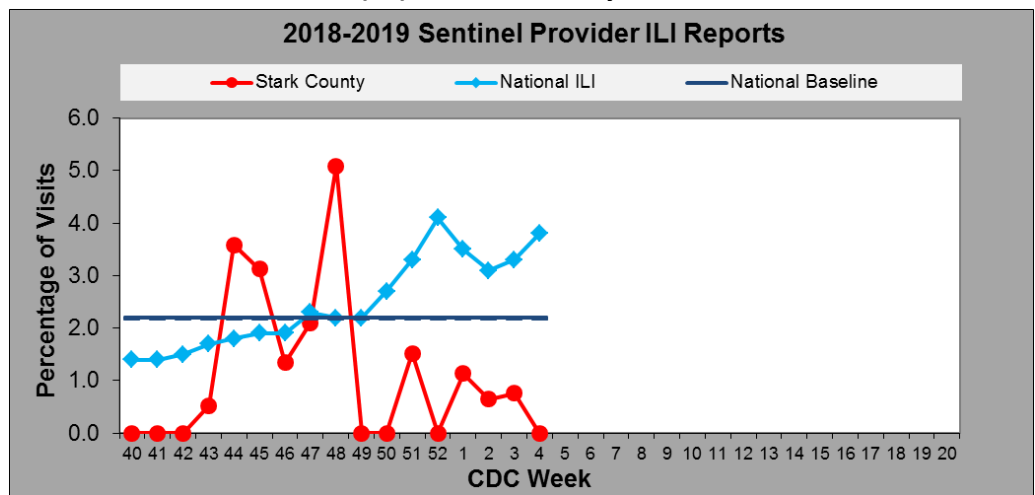
- ◆ There were 30 cases of hospitalized or non-hospitalized influenza reported during Week 4 in Stark County. Last year at the same time there were 123 cases reported.

\* 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.**

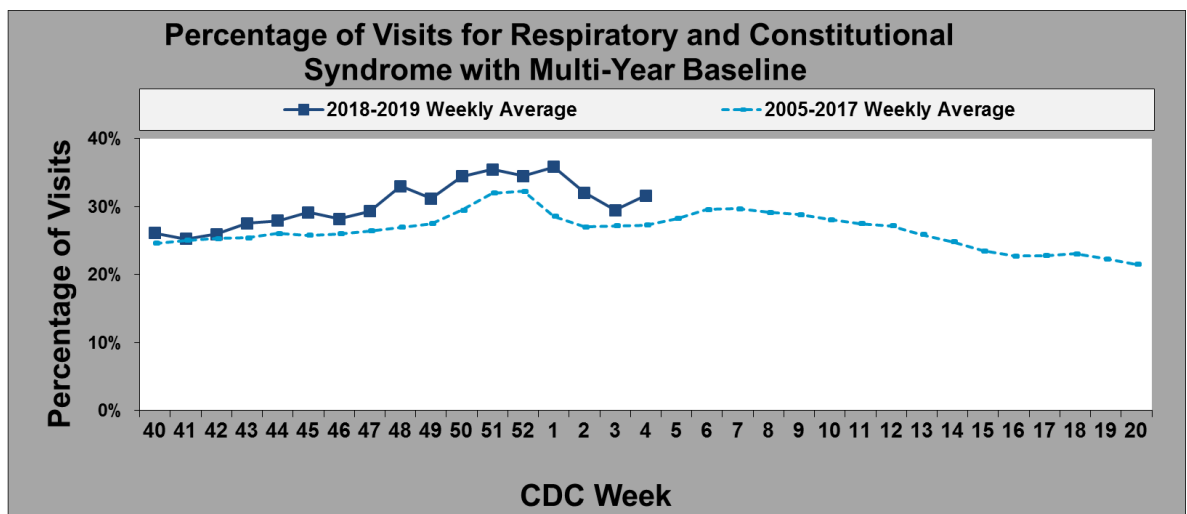
- ◆ During week 4 the Stark County Sentinel Providers did not report visits for ILI. Nationally 3.8% of visits were for ILI. The national baseline is 2.2% of visits.



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

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

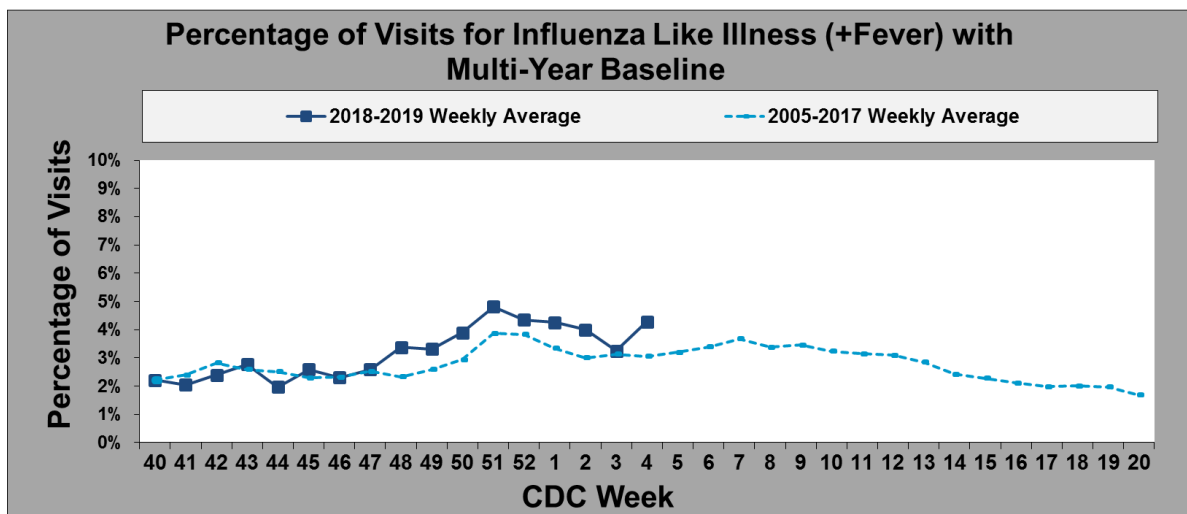
- ◆ ED and Stat Care visits for respiratory and constitutional increased and remained above the multi-year average.



**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 4 starkly increased and rose above the multi-year average.

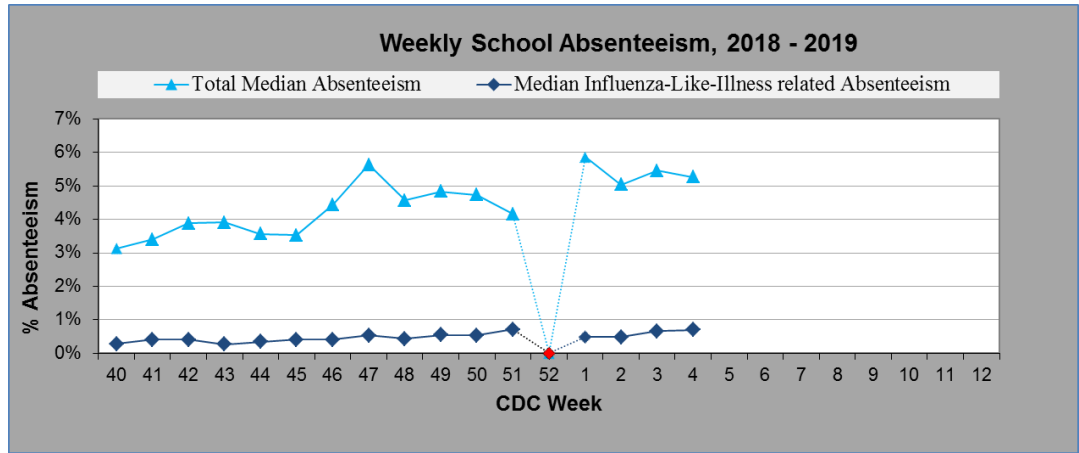


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**Graph 5: Stark County School Absenteeism.**

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

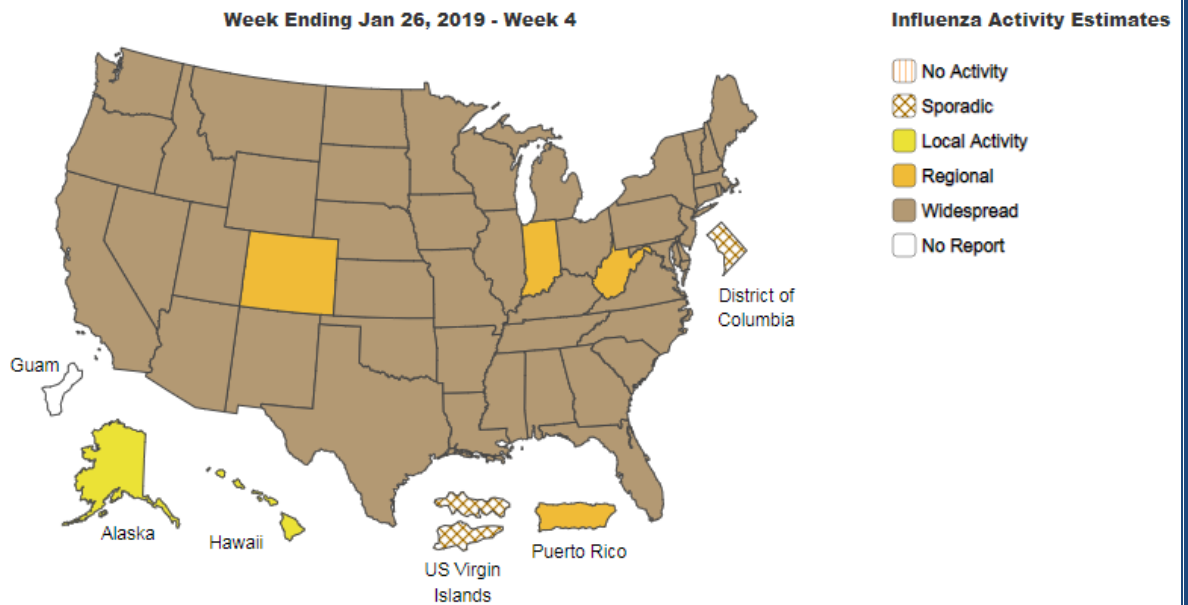
◆ During week 4, there were 51 schools reporting absenteeism. Of those, a median of 5.27% of students were absent and a median of 0.70% absent due to ILI.



**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 4, Ohio reported widespread activity. 44 states also reported widespread influenza 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

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