

# Stark County's Influenza Weekly Report

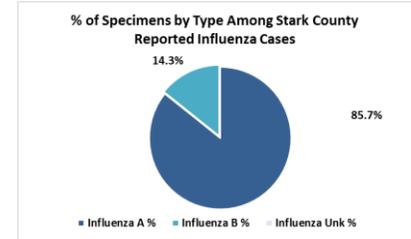
Week 48 (11/25/18-12/1/18)



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

## During Week 48:

- During week 48 Stark County had 1 influenza-associated hospitalization.
- Nationally, 0 influenza-associated pediatric deaths were reported this week.
- During week 48, 170 influenza A specimens were collected nationally from public health laboratories, 125 subtyped as the 2009 H1N1 virus, 27 subtyped as the H3 virus, and the remainder not subtyped.



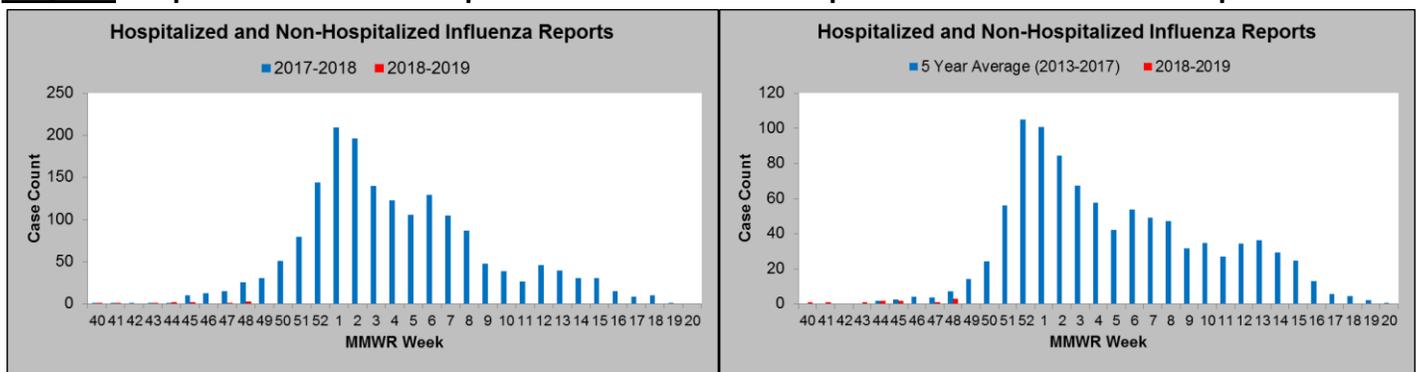
## So Far this Season:

- There have been 4 influenza-associated hospitalizations so far this season in Stark County
- A national cumulative rate of 1.3 influenza-associated hospitalizations per 100,000 was reported through Week 48.
- Through Week 48, 1,111 specimens were collected nationally from public health laboratories. 1,008 were typed as Influenza A, comprising 80.3% of all specimens collected. Of these 80.8% were subtyped as the 2009 H1N1 virus while 19.2% were subtyped as the H3 virus.
- Nationally, 6 influenza-associated pediatric deaths have been reported this season. Last year at the same time there were 9 deaths reported.

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

- Nationally through Week 48, 139 Influenza A specimens were genetically or antigenically characterized.
  - There were 45 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 67 Influenza A (H1N1) viruses collected; all of those characterized matched the Influenza A (H1N1) component of this year's vaccine
- Nationally through Week 48, 24 influenza B specimens were genetically or antigenically characterized.
  - Of these, 8 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.



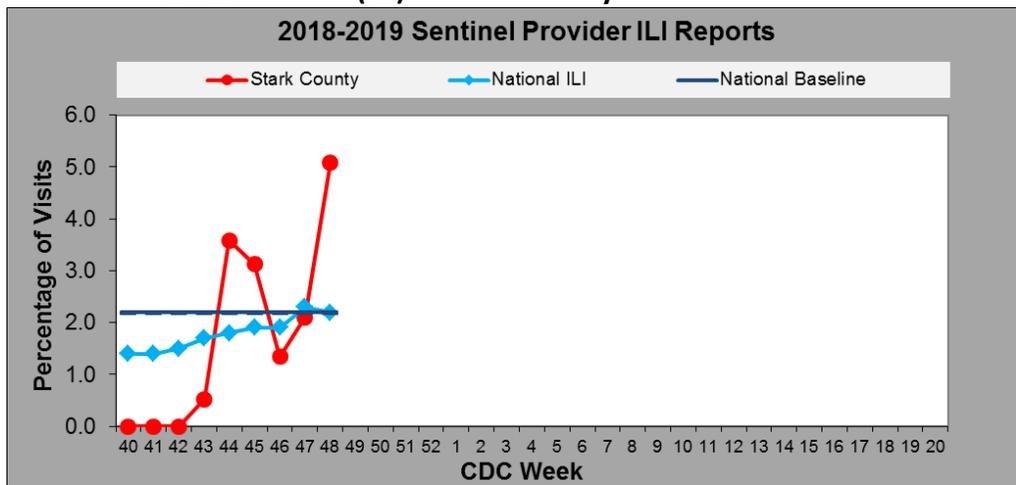
- ◆ There were 3 cases of hospitalized or non-hospitalized influenza reported during Week 48 in Stark County. Last year at the same time there were 26 cases reported.

\* 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.**

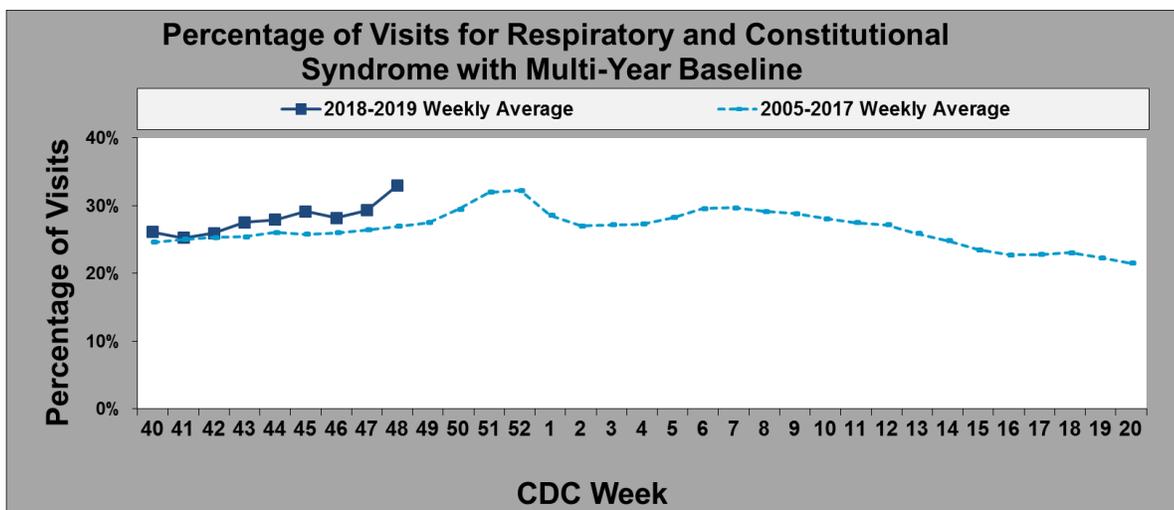
- ◆ During week 48 the Stark County Sentinel Providers reported 5.1% of visits for ILI. Nationally 2.2% of visits were for ILI. The national baseline is 2.2% of visits.



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

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

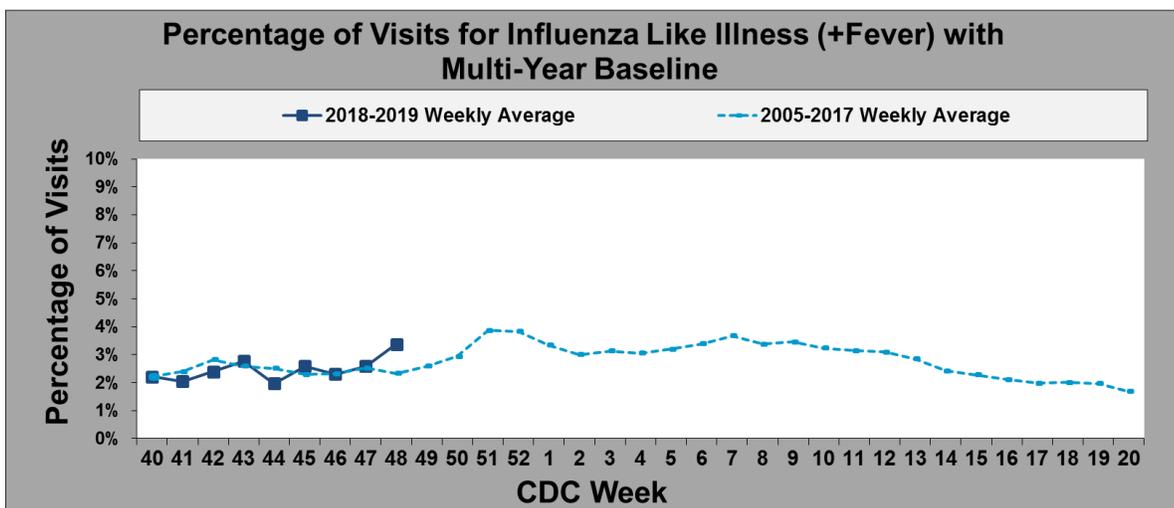
- ◆ ED and Stat Care visits for respiratory and constitutional continued to rise above the multi-year average.



**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 48 rose above the multi-year average.



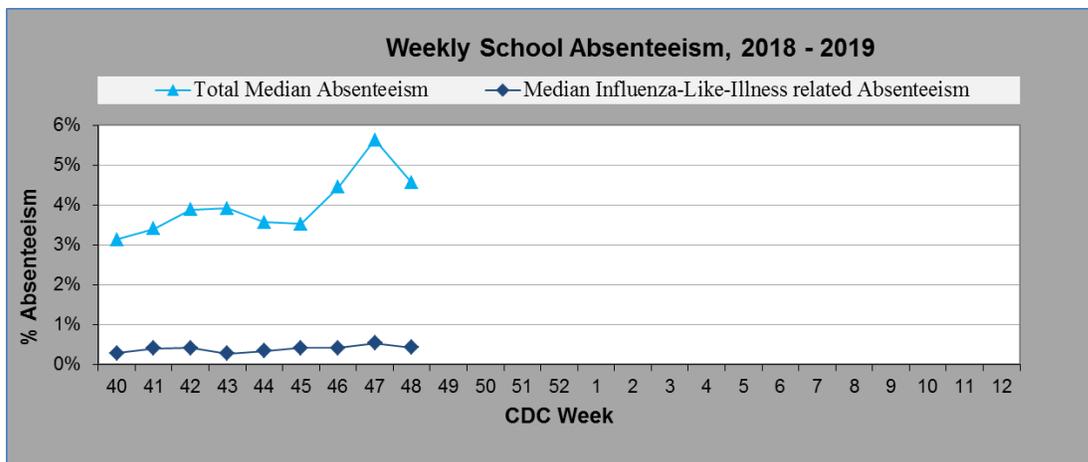
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**Graph 5: Stark County School Absenteeism.**

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

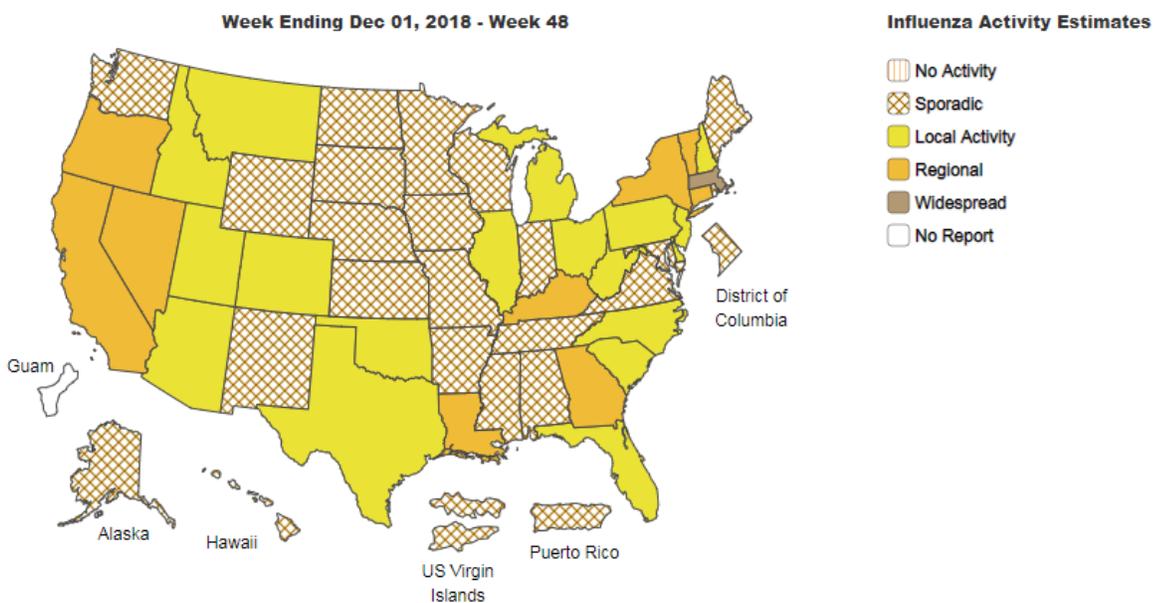
◆ During week 48, there were 46 schools reporting absenteeism. Of those, a median of 4.56% of students were absent and a median of 0.43% absent due to ILI.



**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 48, Ohio reported local activity. One state reported widespread influenza activity.



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