

Stark County's Influenza Weekly Report

Week 49 (12/4/16-12/10/16)



During Week 49:

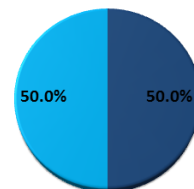
- During week 49 Stark County had two influenza-associated hospitalizations.
- Nationally, there were no influenza-associated pediatric deaths reported.

So Far this Year:

- There have been two influenza-associated hospitalizations so far this year in Stark County.
- The national cumulative rate for laboratory-confirmed influenza-associated hospitalizations was 1.7 per 100,000 population.
- Up to week 49, 1,396 specimens collected nationally from public health laboratories were typed influenza A. Of these, 6.1% subtyped as the 2009 H1N1 virus, 86.0% subtyped as the H3 virus, and subtyping was not performed on the rest of them.
- Nationally, there were no influenza-associated pediatric deaths reported so far this year.

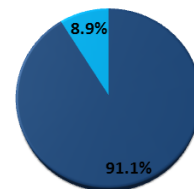
% of Specimens by Type Among Stark County Reported Influenza Cases

■ Type A ■ Type B



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■ Type A ■ Type B

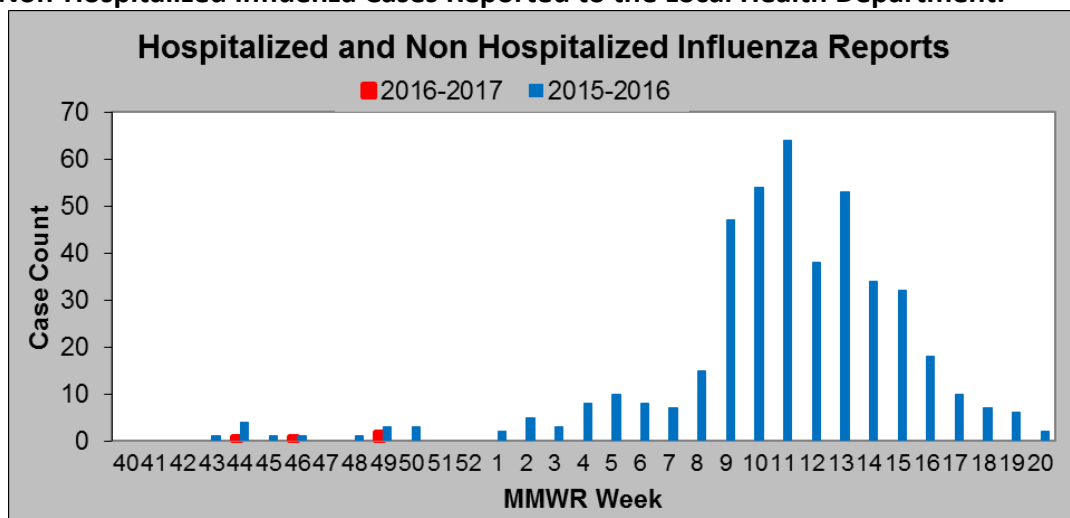


Viruses Circulating vs. Viruses in this Year's Vaccine:

- Nationally since October 1, 2016, 50 specimens were characterized as Influenza A.
 - There were 26 influenza A(H3N2) viruses collected and 26 influenza A (H1N1) viruses collected. Of these specimens 100% matched the influenza A (H1N1) component in this year's vaccine.
- Nationally since October 1, 2016, 14 specimens were characterized as Influenza B.
 - Of these, 8 subtyped from the Yamagata Lineage and 6 subtyped from the Victorian Lineage. Of these specimens, 100% of the Yamagata Lineage matched the Influenza B component of the 2016-2017 vaccine and 83% of the Victorian Lineage matched.

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

- ◆ There were two cases of hospitalized and non-hospitalized influenza reported for Week 49 in Stark County. Last year there were three cases reported this week. Stark County increased to four cases reported so far this year compared to the eleven cases reported so far last year.



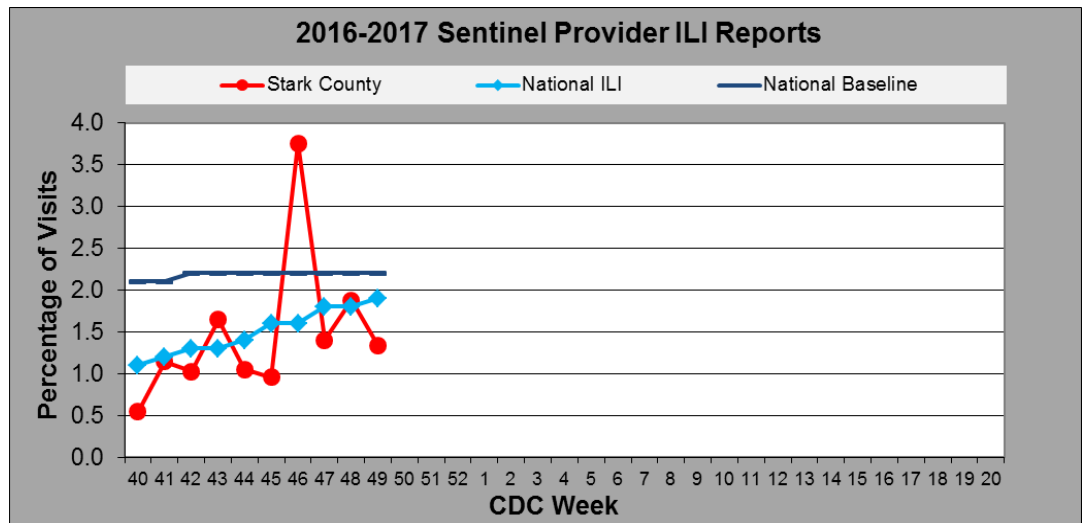
* All data presented in this weekly report are preliminary and may change as additional information is received.

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

➢ If you have any questions please contact Julia Wagner at 330.493.9914 or Wagnerj@starkhealth.org

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

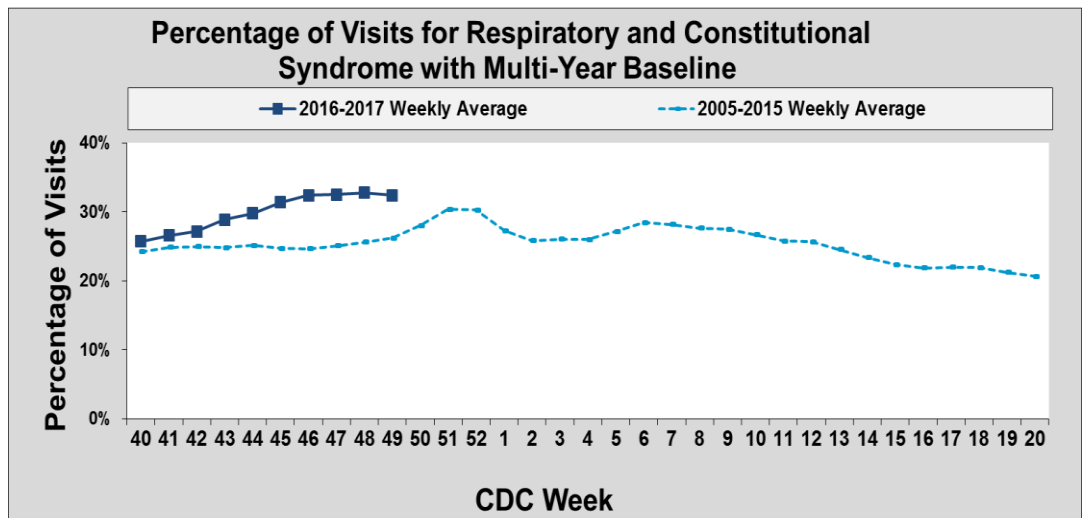
- ◆ During week 49 the Stark County Sentinel Providers reported 1.3% of their visits were for ILI. Nationally reported 1.9% of ILI visits and the national baseline remained at 2.2% of visits.



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

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

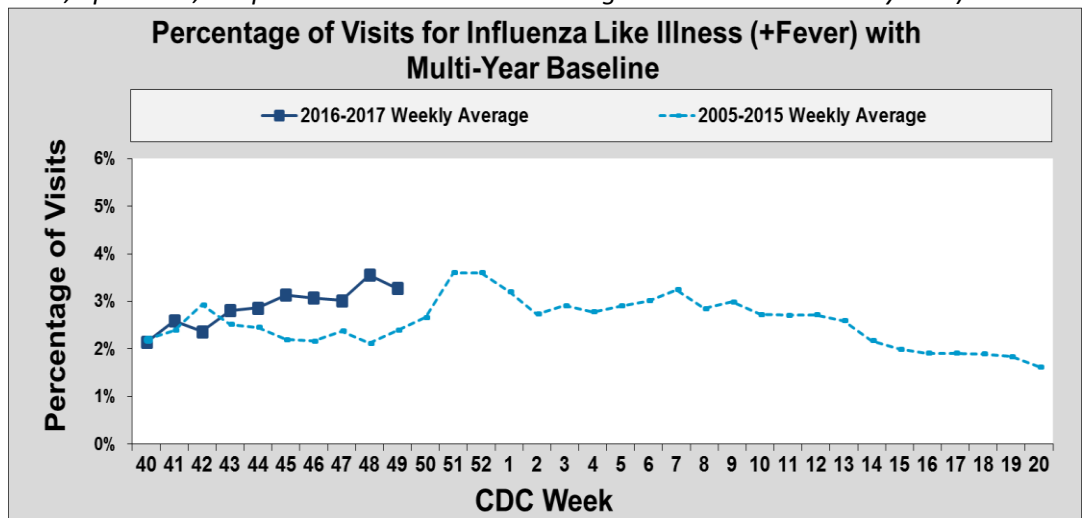
- ◆ ED and Stat Care visits for respiratory and constitutional syndrome just slightly decreased, but remained above the multi-year baseline average during week 49.



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 49 decreased, but remained above the multi-year average.



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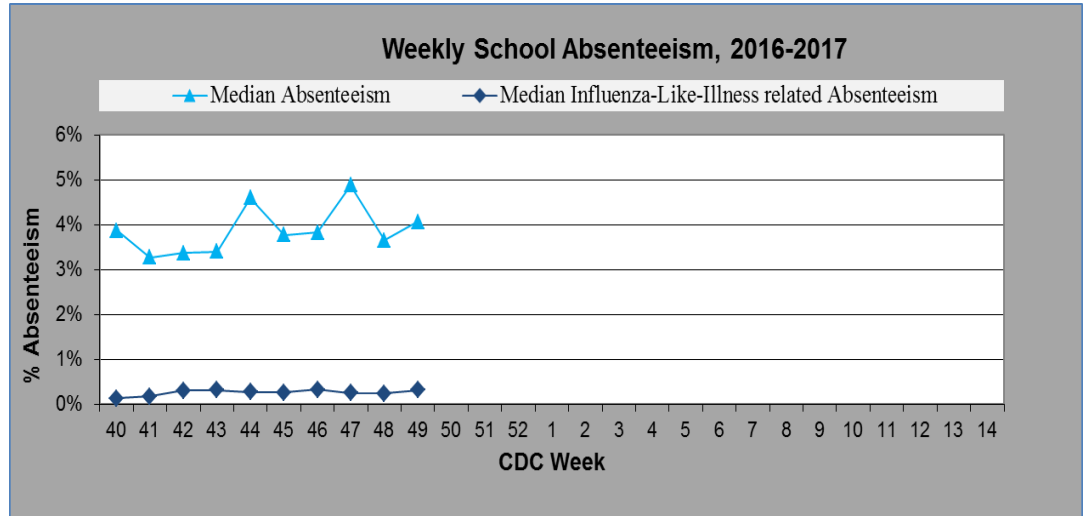
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Graph 5: Stark County School Absenteeism.

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

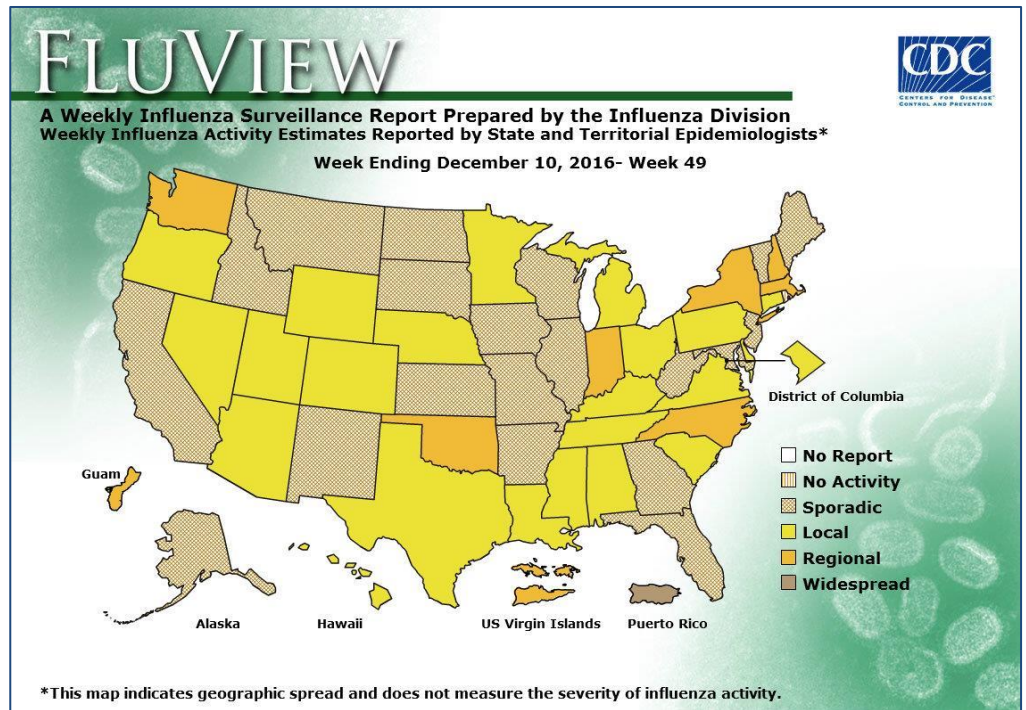
◆ During week 49, there were 64 school absenteeism reports submitted. Of those, the overall median absenteeism and those absent specifically with influenza-like-illness both increased slightly.



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 49, Ohio remained at local influenza activity. There were still one state with no activity reported and now seven states reporting regional activity.



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