

Stark County's Influenza Weekly Report

Week 1 (1/1/17-1/7/17)

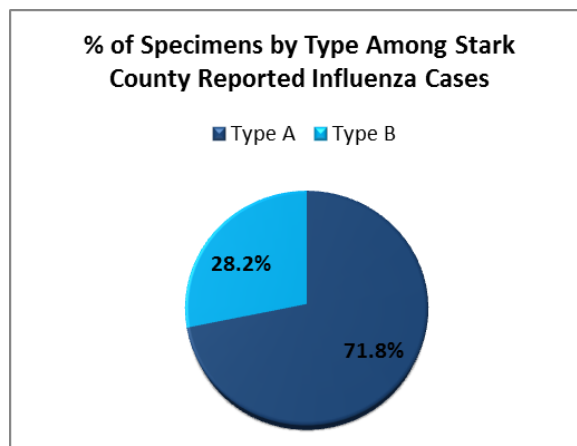


During Week 1:

- Stark County had 20 additional influenza-associated hospitalizations.
- Nationally, three influenza-associated pediatric deaths reported, zero were from Stark County.

So Far this Year:

- There have been 65 influenza-associated hospitalizations in Stark County.
 - Those hospitalized for influenza have ranged from 8 months to 95 years of age with the median being 73 years.
- The national cumulative rate for influenza-associated hospitalizations was 7.1 per 100, 000 population.
- Up to week 1, 5,572 specimens collected nationally from public health laboratories were typed influenza A. This was 92.6% of all specimens collected. Of these, 3.2% subtyped as the 2009 H1N1 virus, 94.4% subtyped as the H3 virus, and subtyping was not performed on the rest of them.
- Nationally, three influenza-associated pediatric deaths were reported so far this year.

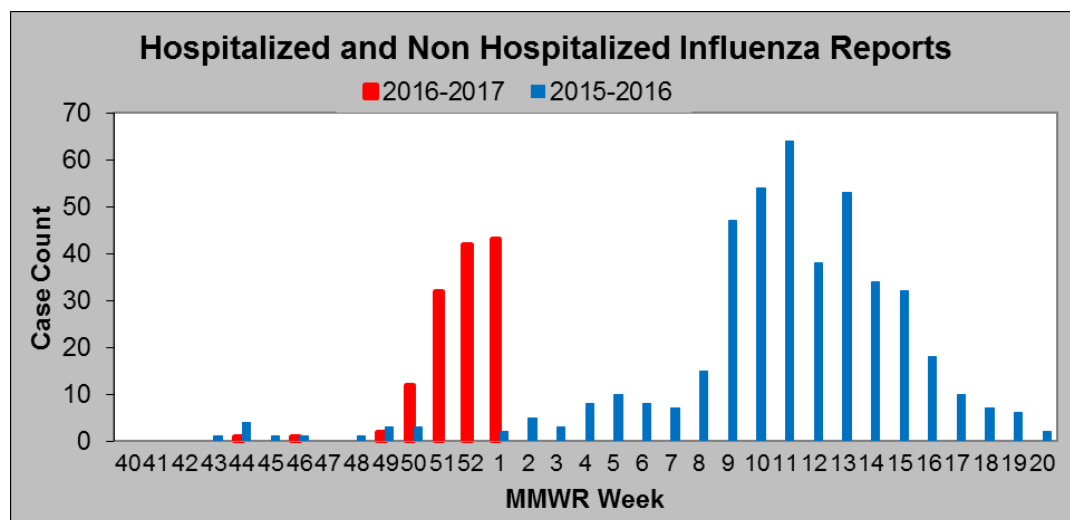


Viruses Circulating vs. Viruses in this Year's Vaccine:

- Nationally since October 1, 2016, 176 specimens were characterized as Influenza A.
 - There were 139 influenza A (H3N2) viruses collected and 95.0% matched the influenza A (H3N2) component in this year's vaccine. There were 37 influenza A (H1N1) viruses collected and 100% matched the influenza A (H1N1) component in this year's vaccine.
- Nationally since October 1, 2016, 59 specimens were characterized as Influenza B.
 - Of these, 28 subtyped from the Yamagata Lineage and 31 subtyped from the Victorian Lineage. Of these specimens, 100% of the Yamagata Lineage matched the Influenza B component of the 2016-2017 vaccine and 90.3% of the Victorian Lineage matched.

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

- ◆ There were 43 cases of hospitalized and non-hospitalized influenza reported for Week 1 in Stark County. Last year there were two cases reported this week. Stark County increased to 133 cases reported so far this year compared to the 15 cases reported so far last year.



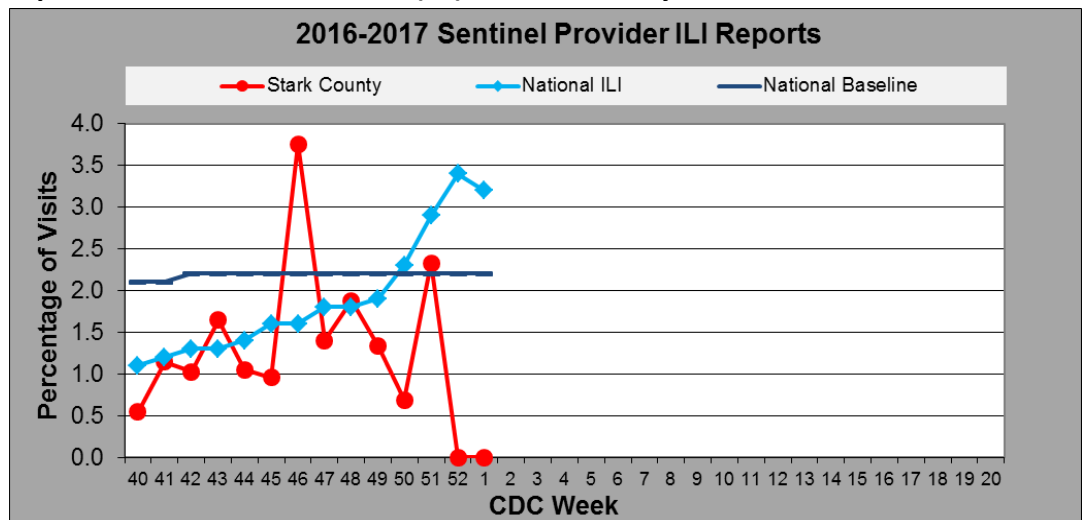
* All data presented in this weekly report are preliminary and may change as additional information is received.

* 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.

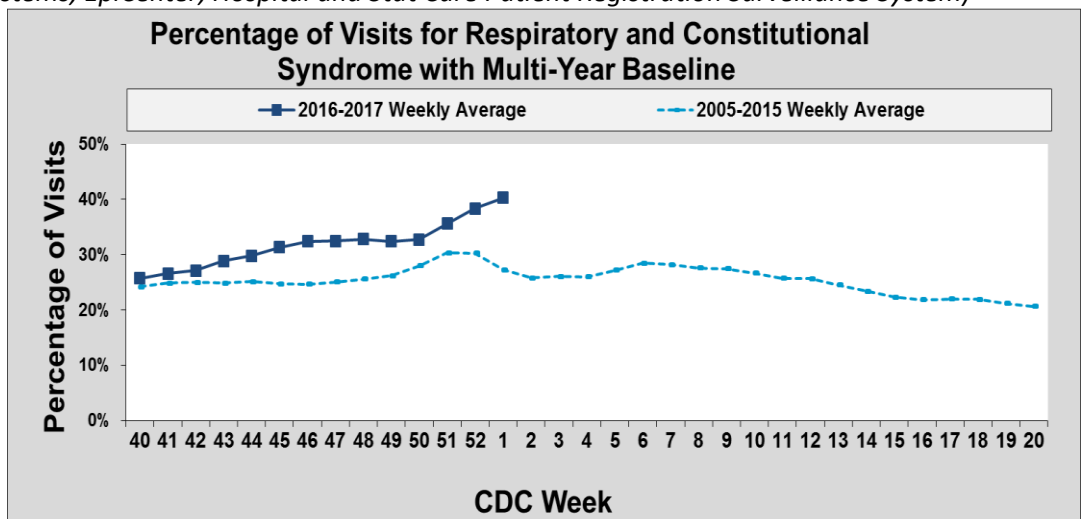
- ◆ During week 1 the Stark County Sentinel Providers had no reports of office visits for ILI. The national reports overall decreased, but remained above the 2.2% baseline.



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

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

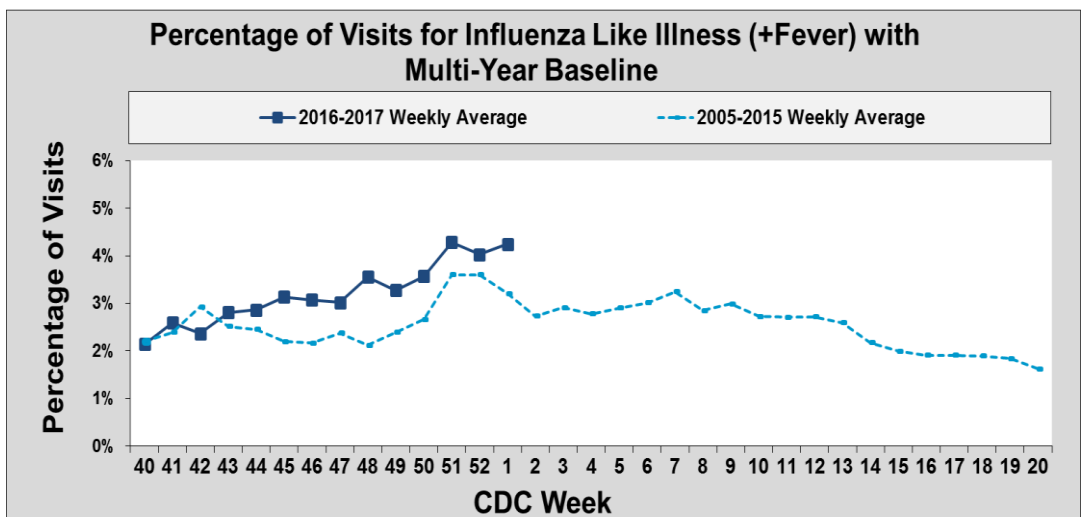
- ◆ ED and Stat Care visits for respiratory and constitutional syndrome increased, and remained above the multi-year baseline average during week 1.



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 1 increased, and remained above the multi-year average.



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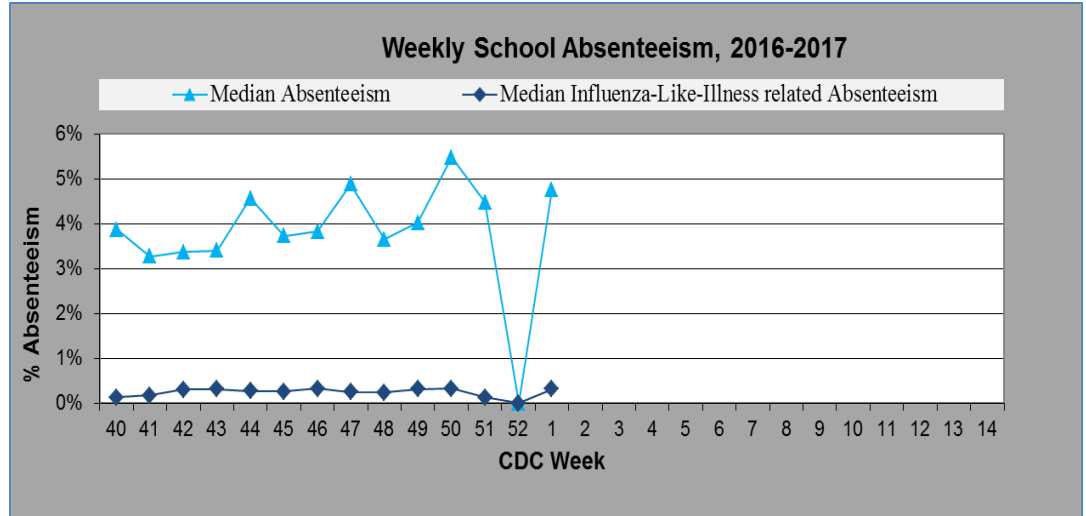
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Graph 5: Stark County School Absenteeism.

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

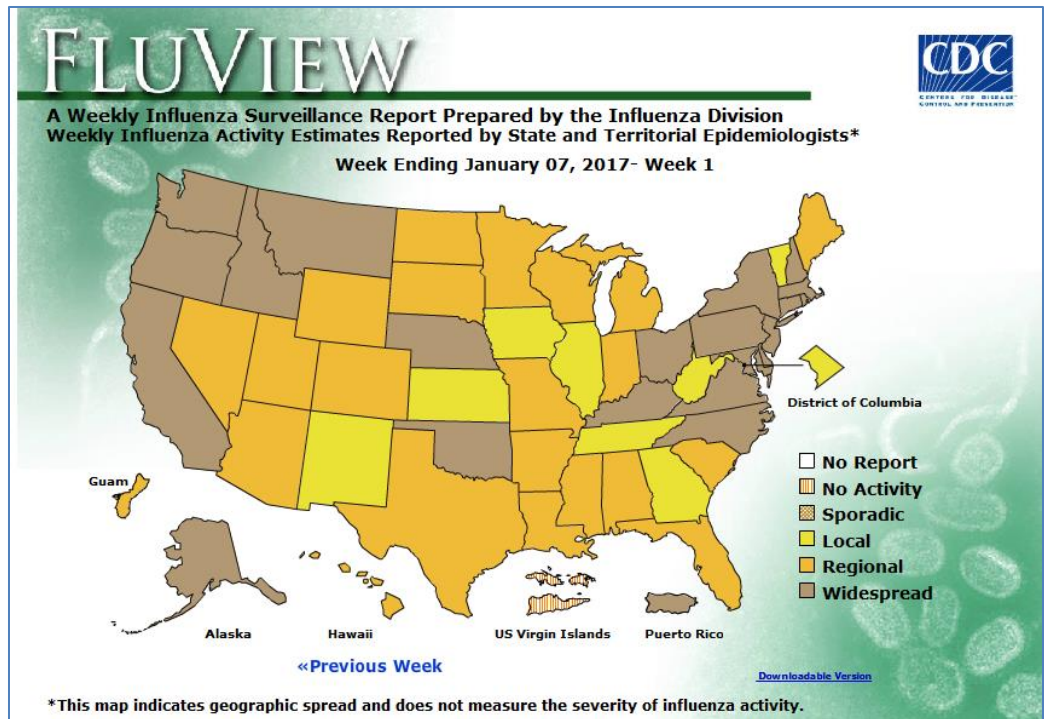
◆ During week 1 schools were beginning to start again after the winter break. With 61 reports submitted, both the median absenteeism rate and the median absenteeism specifically for ILI increased slightly above pre-break rates.



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 1, Ohio increased to widespread influenza activity. There were 20 other states also reporting widespread influenza.



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