

Stark County's Influenza Weekly Report

Week 7 (2/12/17-2/18/17)



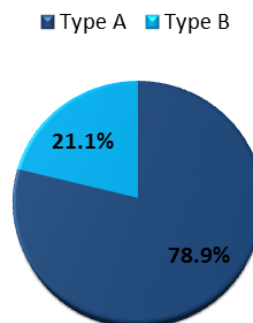
During Week 7:

- Stark County had 34 additional influenza-associated hospitalizations.
- Nationally, five influenza-associated pediatric deaths were reported, none from Stark County.

So Far this Year:

- There have been 189 influenza-associated hospitalizations in Stark County.
 - Those hospitalized for influenza have ranged from 8 months to 100 years of age.
 - The median age for those hospitalized has been 70 years.
- The national cumulative rate for influenza-associated hospitalizations was 33.7 per 100, 000 population.
- Up to week 7, 20,025 specimens collected nationally from public health laboratories were typed influenza A. This was 91.1% of all specimens collected. Of these, 2.5% subtyped as the 2009 H1N1 virus, 96.1% subtyped as the H3 virus, and subtyping was not performed on the rest of them.
- Nationally, 34 influenza-associated pediatric deaths were reported so far this year. Last year there was a total of 89.

% of Specimens by Type Among Stark County Reported Influenza Cases



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

- Nationally since October 1, 2016, 446 specimens were characterized as Influenza A.
 - There were 334 influenza A (H3N2) viruses collected and 96.7% matched the influenza A (H3N2) component in this year's vaccine. There were 112 influenza A (H1N1) viruses collected and 100% matched the influenza A (H1N1) component in this year's vaccine.
- Nationally since October 1, 2016, 232 specimens were characterized as Influenza B.
 - Of these, 121 subtyped from the Yamagata Lineage and 111 subtyped from the Victorian Lineage. Of these specimens, 100% of the Yamagata Lineage matched the Influenza B component of the 2016-2017 vaccine and 91.9% of the Victorian Lineage matched.

⇒ **According to the MMWR published on February 17, 2017, this year's influenza vaccine is 48% effective.** This is from data collected from November 28th, 2016 until February 4th, 2017 from a group of 3,144 children and adults. According to the Centers for Disease Control and Prevention these interim estimates indicate that influenza vaccination reduced to the risk for outpatient medical visits by almost half.

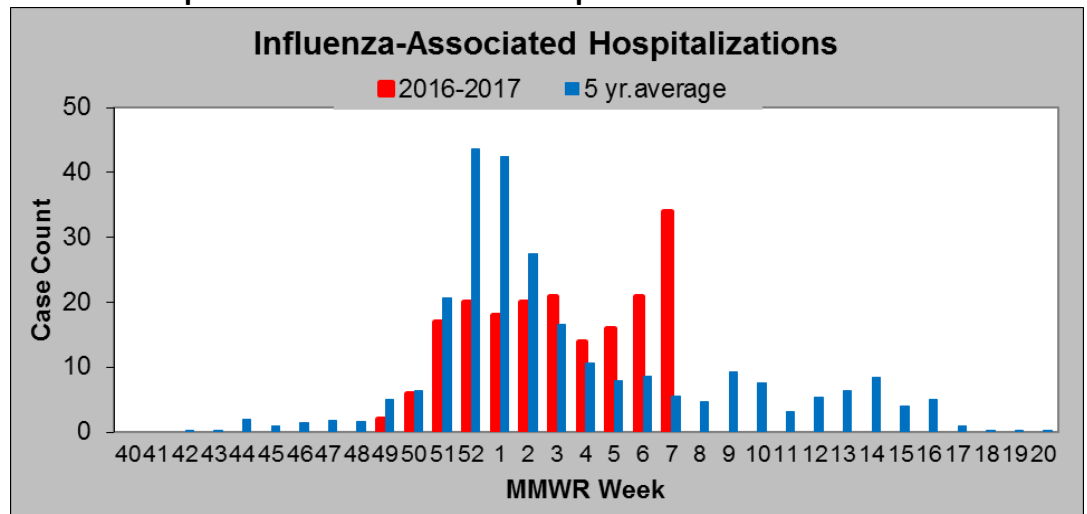
* All data presented in this weekly report are preliminary and may change as additional information is received.

* 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

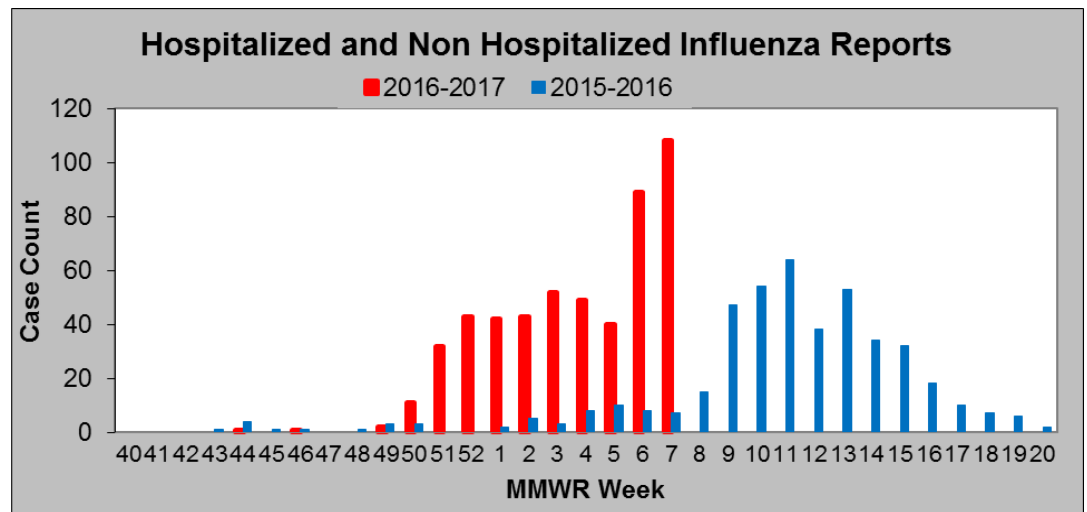
Graph 1: Hospitalized Influenza Cases Reported to the Local Health Department.

◆ There were 34 influenza-associated hospitalizations during week 7. This exceeded the five cases occurring on average during this week. The graph shows Stark County exceeding its five year annual average for the last five weeks. It should be noted that the average estimated total count of hospitalizations by week 7 matches closely to the total count so far this year with almost 190 hospitalizations.



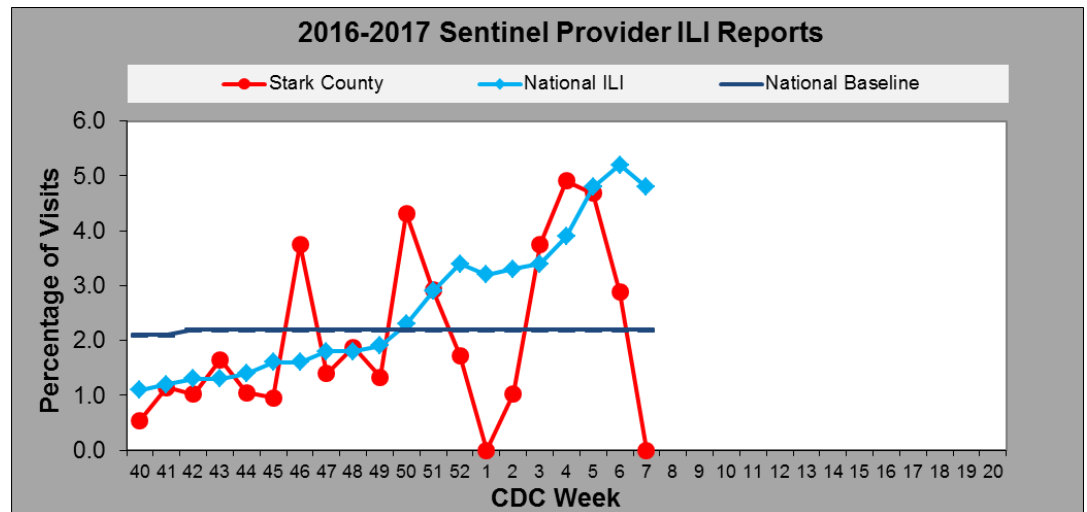
Graph 2: Hospitalized and Non-Hospitalized Influenza Cases Reported to the Local Health Department.

◆ There were 108 cases of hospitalized and non-hospitalized influenza reported for Week 7 in Stark County. Last year there were seven cases reported this week. Stark County increased to 513 cases reported so far this year compared to the 57 cases reported so far last year.



Graph 3: Sentinel Provider Reported Influenza Like Illness (ILI) in Stark County.

◆ During week 7 no reports were provided from the Stark County Sentinel Providers. The national reports overall decreased back to 4.8% of visits for ILI, remaining above the baseline.



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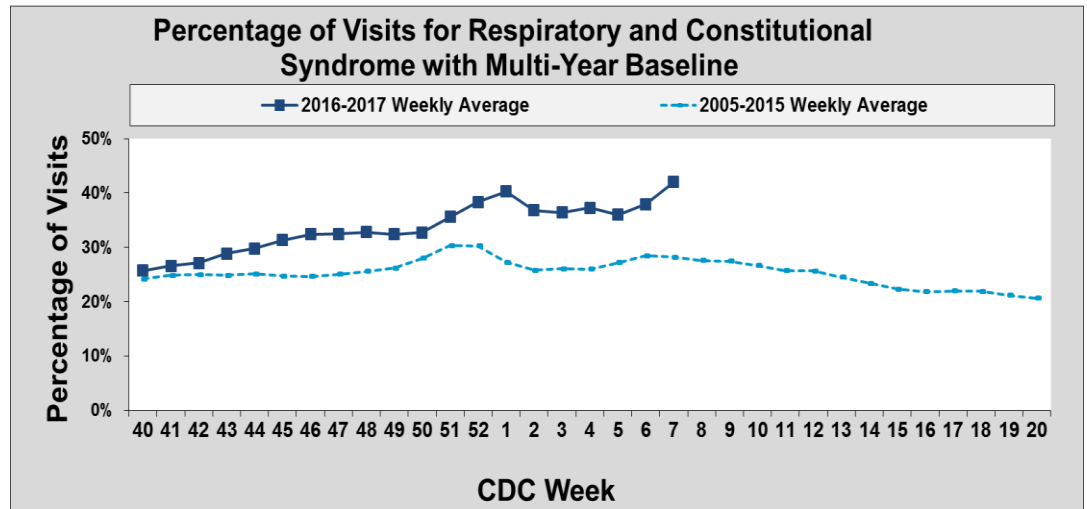
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Graph 4: Emergency Department Visits for Respiratory and Constitutional Syndromes.

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

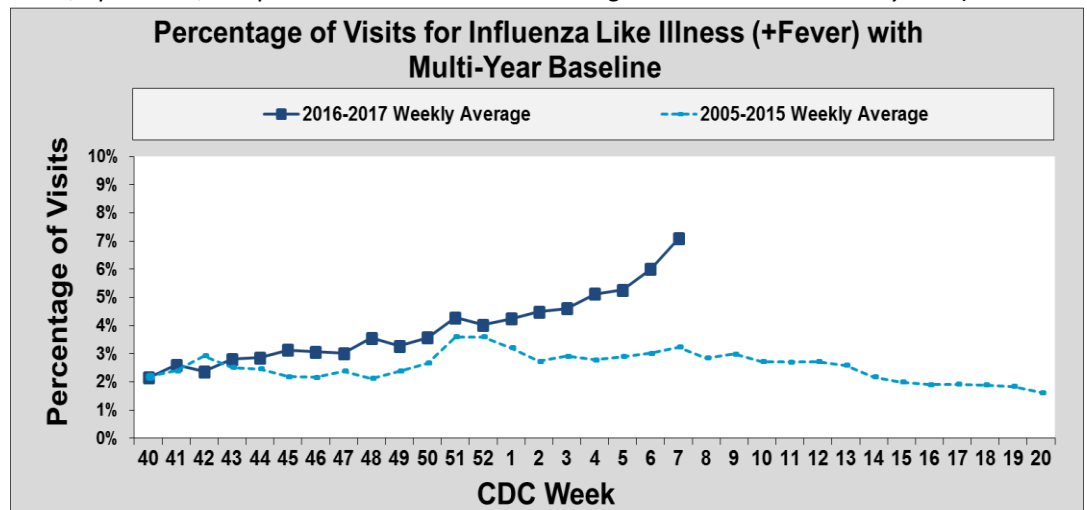
- ◆ ED and Stat Care visits for respiratory and constitutional syndrome increased to over 40% of visits, and remained above the multi-year baseline average during week 7.



Graph 5: Emergency Department (ED) Visits for Influenza Like Illness (+Fever).

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

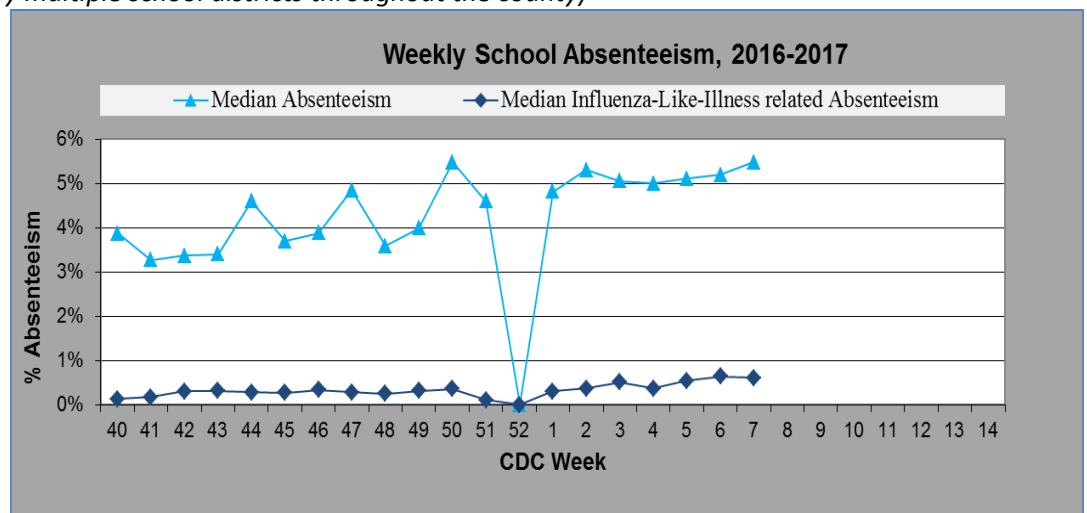
- ◆ ED and Stat Care visits for ILI + Fever for MMWR week 7 increased to over 7% of visits, and remained above the multi-year average.



Graph 6: Stark County School Absenteeism.

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

- ◆ During week 7 there were 64 reports submitted. The median absenteeism rate increased slightly during this week. However, absenteeism specifically for ILI slightly decreased.



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