

Stark County's Influenza Weekly Report

Week 46 (11/12/17-11/18/17)



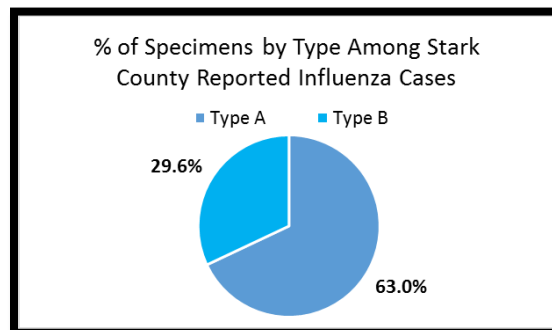
Public Health
Prevent. Promote. Protect.

During Week 46:

- During week 46, Stark County had ten influenza-associated hospitalizations.
- Nationally, there were five influenza-associated pediatric deaths reported. None in Stark County
- One human infection with a novel influenza A virus (H1N1v) was reported from Iowa during week 46.
- During week 46, 201 influenza A specimens were collected nationally from public health laboratories, which made up 83.4% of all positive specimens; 13.9% subtyped as the 2009 H1N1 virus, 78.1% subtyped as the H3 virus, and subtyping was not performed on the remainder.

So Far this Year:

- There have been sixteen influenza-associated hospitalizations so far this year in Stark County.
 - Ages of those hospitalized for influenza have ranged from 2 years to 96 years of age with the average age being 59.2 years (median 63 years old).
- A cumulative rate of 1.4 laboratory-confirmed influenza-associated hospitalizations per 100,000 population was reported.
- Up through week 46, 7642 specimens were collected nationally from public health laboratories. 1358 were typed influenza A. This was 87.4% of all specimens collected. Of these, 10% subtyped as the 2009 H1N1 virus, 87.8% subtyped as the H3 virus, and subtyping was not performed on the remainder.
- Nationally, there have been five influenza-associated pediatric deaths reported so far this year. Last year, at the same time, there were zero.

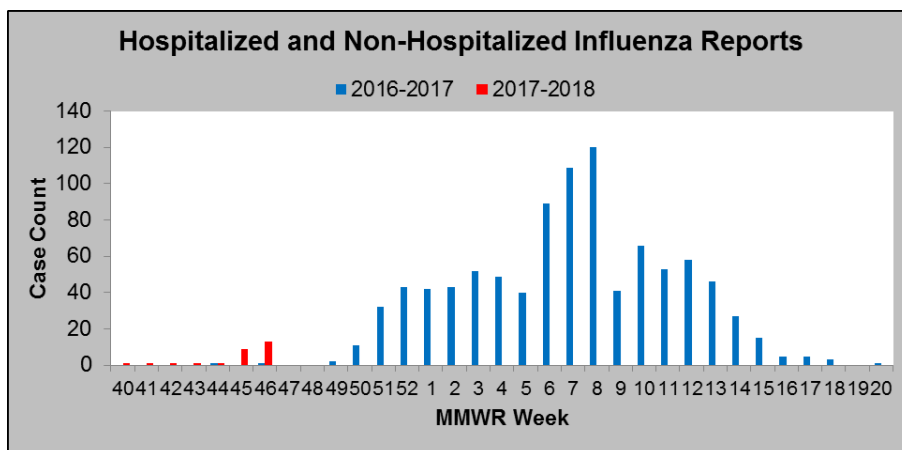


Viruses Circulating vs. Viruses in this Year's Vaccine:

- Nationally since October 1, 2017, 506 specimens were characterized as Influenza A.
 - There were 415 influenza A(H3N2) viruses collected and 97.0% matched the influenza A (H3N2) component in this year's vaccine. There were 91 influenza A (H1N1) viruses collected and 98.6% matched the influenza A (H1N1) component in this year's vaccine.
- Nationally since October 1, 2017, 159 specimens were characterized as Influenza B.
 - Of these, 124 subtyped from the Yamagata Lineage and 35 subtyped from the Victorian Lineage. Of these specimens, 100% of the Yamagata Lineage matched the Influenza B component of the 2017-2018 vaccine and 66.7% of the Victorian Lineage matched.

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

- ◆ There were thirteen cases of hospitalized and non-hospitalized influenza reported for Week 46 in Stark County. Last year there was one case reported this week. Stark County increased to twenty-seven cases reported so far this year compared to two cases reported so far last year.



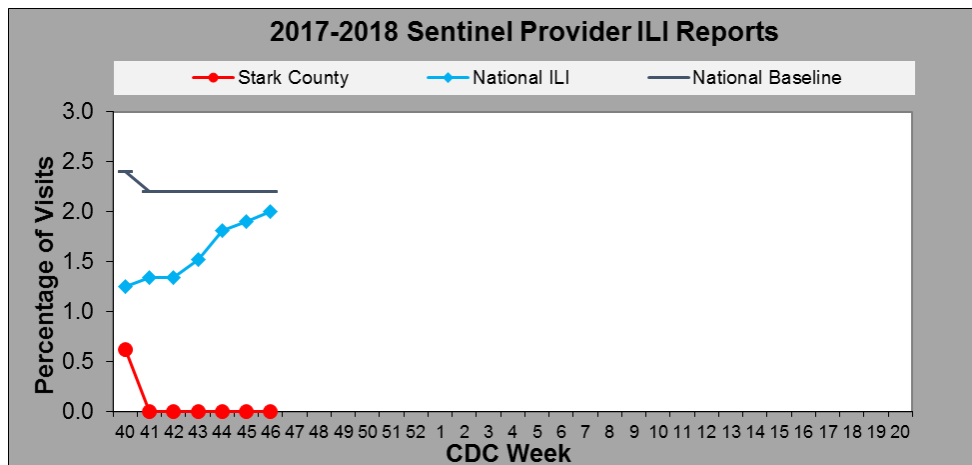
* All data presented in this weekly report are preliminary and may change as additional information is received.

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

- If you have any questions please contact Avi Joseph at 330.493.9914 or josepha@starkhealth.org or Amanda Archer at 330.489.3327 or aarcher@cantonhealth.org

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

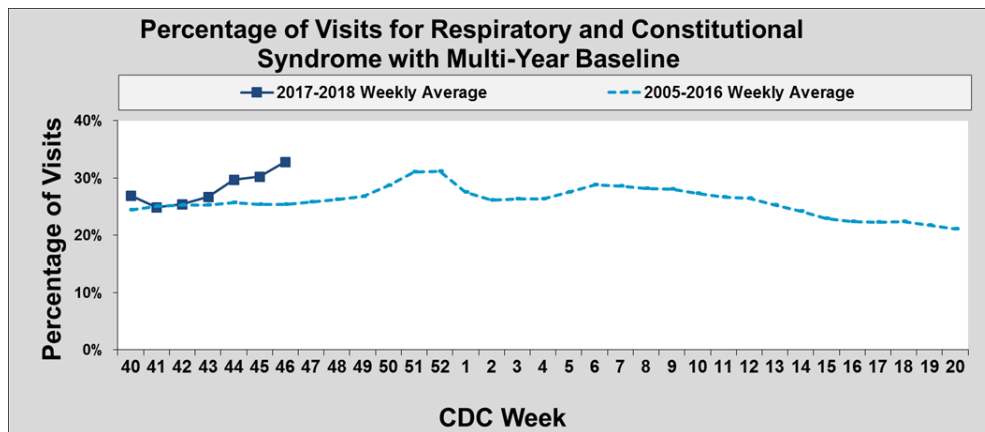
- ◆ During week 46, no Stark County Sentinel Providers reported the percentage of their visits identified as ILI. Nationally, it was reported that 2.0% of visits were for ILI. This was still below the national baseline at 2.2% of visits.



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

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

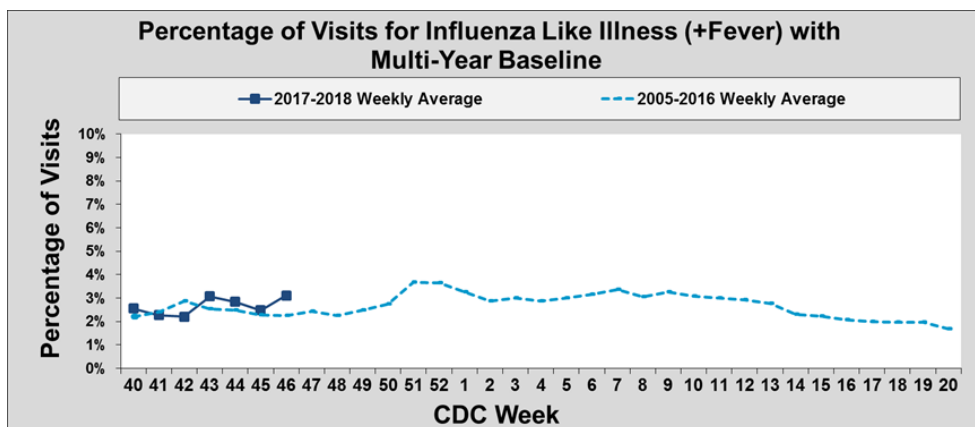
- ◆ ED and Stat Care visits for respiratory and constitutional syndrome continue to increase and continue to remain above the multi-year baseline average during week 46.



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 46 increased, and continue to remain above the multi-year average.



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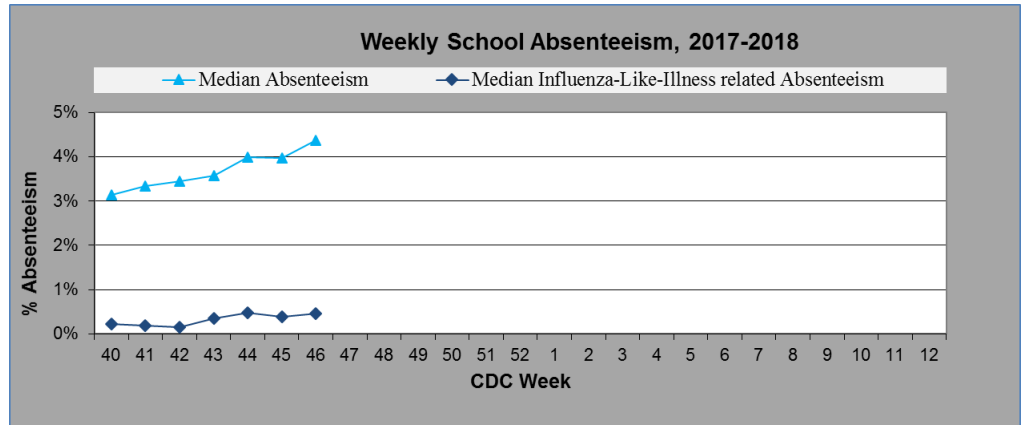
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Graph 5: Stark County School Absenteeism.

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

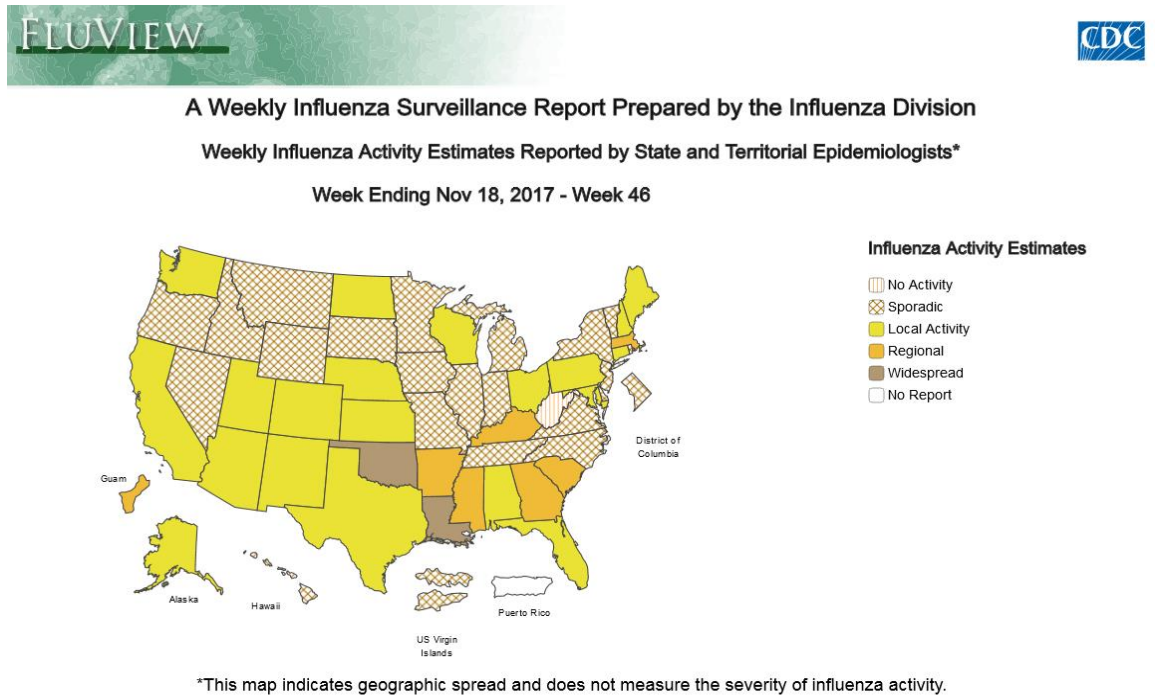
- ◆ During week 46, there were 54 school absenteeism reports submitted. Of those, the overall median absenteeism increased with a continued uptick for the season. Those absent specifically with influenza-like-illness showed a slight increase.



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 46, Ohio remained at local influenza activity, along with 19 other states. There were six states reporting regional activity.



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