

Stark County's Influenza Weekly Report

Week 5 (01/28/2018 – 02/03/2018)

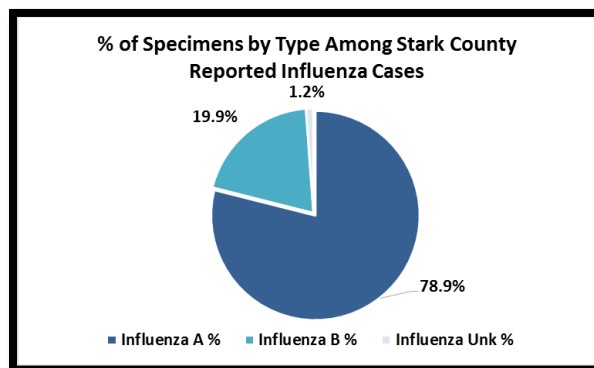


During Week 5:

- Stark County had 26 additional influenza-associated hospitalizations.
- Nationally, ten influenza-associated pediatric deaths reported, zero were from Stark County.
- During week 5, 1065 influenza A specimens were collected nationally from public health laboratories, which made up 73.3% of all positive specimens; 78.3% subtyped as H3N2, 13.5% as H1N1, and the remainder were not subtyped.

So Far this Year:

- There have been 456 influenza-associated hospitalizations in Stark County.
 - Those hospitalized for influenza have ranged from 1 month old to 100 years of age, with the median being 71 years.
- A cumulative rate of 59.9 laboratory-confirmed influenza-associated hospitalizations per 100,000 population was reported.
- Up to week 5, 23,255 specimens collected nationally from public health laboratories were typed influenza A. This was 84.1% of all specimens collected. Of these, 9.9% subtyped as the 2009 H1N1 virus, 88.2% subtyped as the H3 virus, and subtyping was not performed on the rest of them.
- Nationally, 63 influenza-associated pediatric deaths were reported so far this year. Last year, at the same time, there were 20 deaths reported for the season.
- One human infection with a novel influenza A virus (H1N1v) was reported from Iowa during week 46.

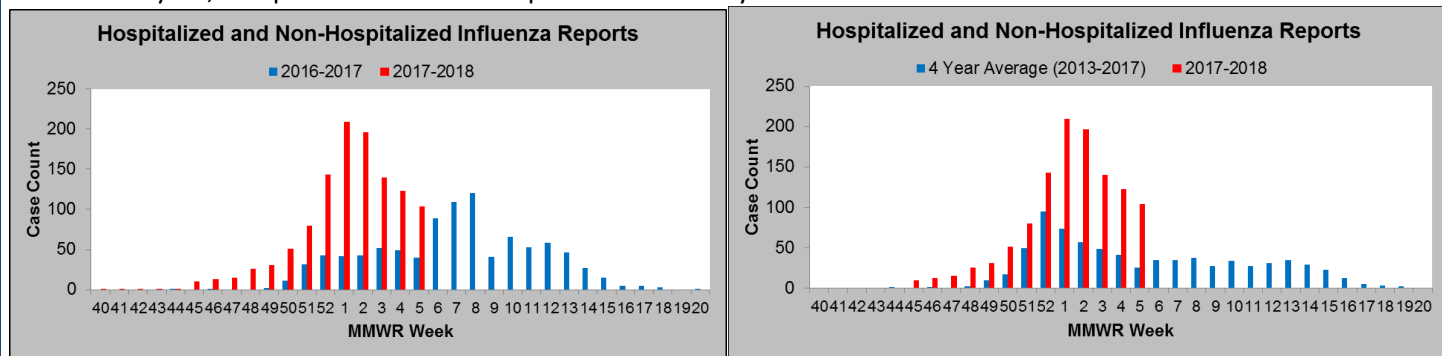


Viruses Circulating vs. Viruses in this Year's Vaccine:

- Nationally since October 1, 2017, 971 influenza viruses were characterized as Influenza A.
 - There were 695 influenza A(H3N2) viruses collected. 98.1% of those antigenically characterized matched the influenza A (H3N2) component in this year's vaccine. There were 276 influenza A (H1N1) viruses collected; all of those characterized matched the influenza A (H1N1) component in this year's vaccine.
- Nationally since October 1, 2017, 394 influenza viruses were characterized as Influenza B.
 - Of these, 338 subtyped from the Yamagata Lineage and 56 subtyped from the Victorian Lineage. Of these specimens, 100% of the Yamagata Lineage matched the Influenza B component of the 2017-2018 vaccine and 58.6% of the Victorian Lineage matched.

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

- ◆ There were a total of 104 cases of hospitalized and non-hospitalized influenza reported for Week 5 in Stark County. Last year there were 40 cases reported this week. Stark County increased to 1146 cases reported so far this year, compared to 316 cases reported so far last year.



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

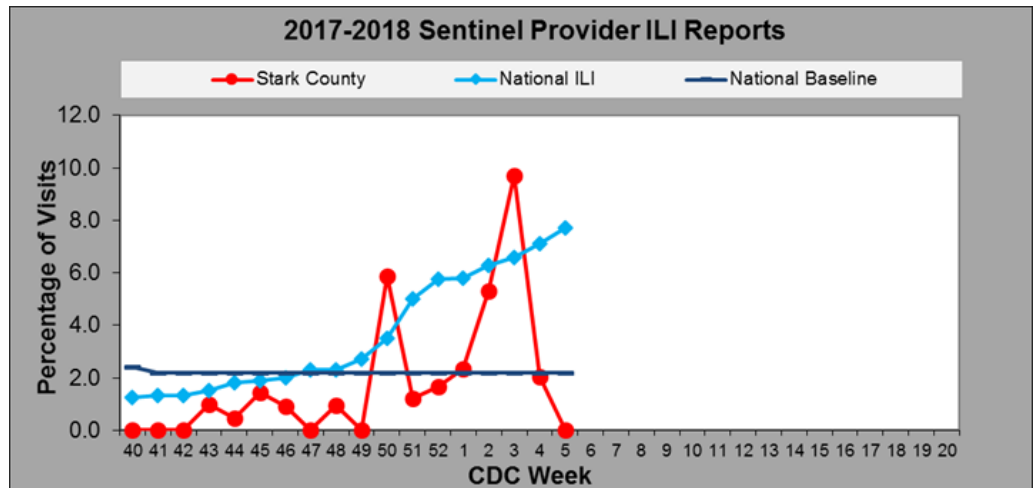
* Multiyear averages included in this weekly report do not include the 2009/2010 H1N1 season.

➢ 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 5, Stark County Sentinel Providers did not report. Nationally, it was reported that 7.7% of visits were for ILI, which continues to climb and be above the national baseline of 2.2% of visits.

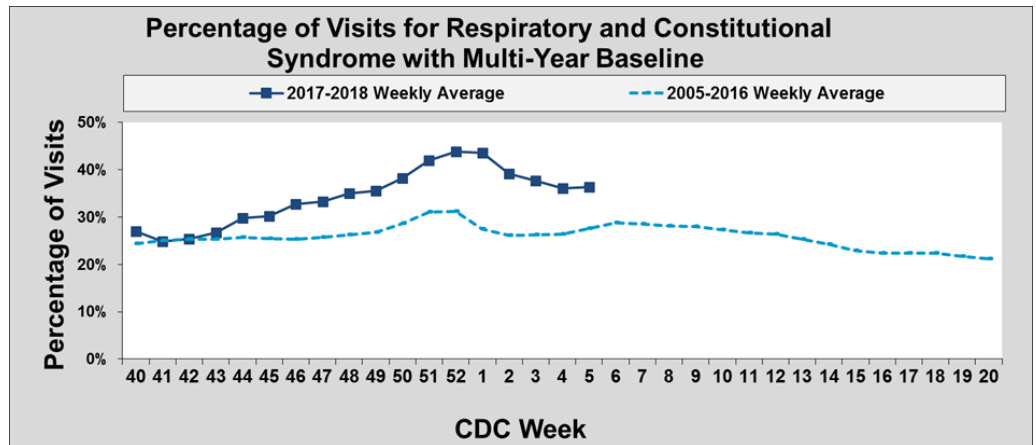
Chart is updated to reflect data received from Sentinel Providers from previous weeks.



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

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

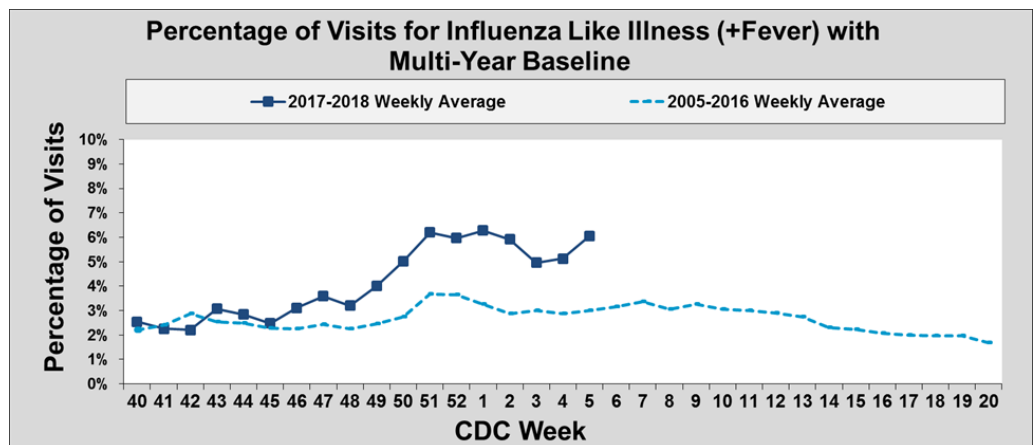
- ED and Stat Care visits for respiratory and constitutional syndrome show a steady trend above the multi-year baseline average during week 5.



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 5 show an uptick from the previous week, and continue to remain above the multi-year average.



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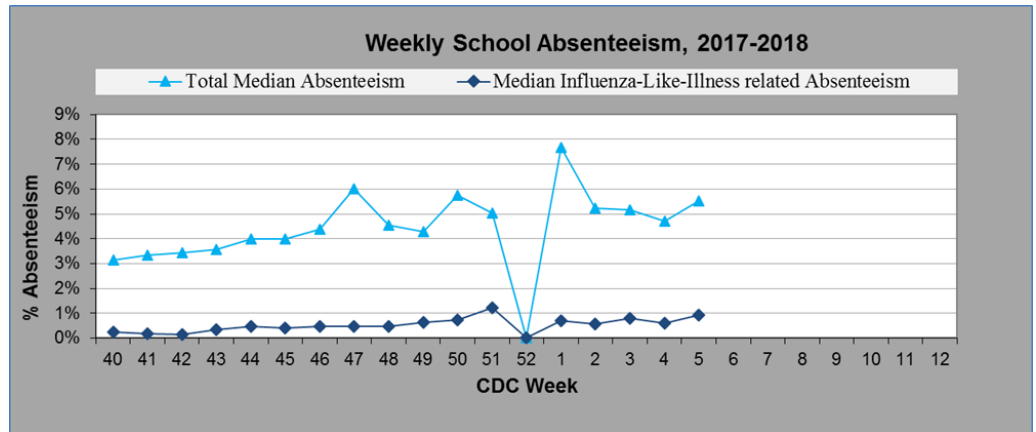
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Graph 5: Stark County School Absenteeism.

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

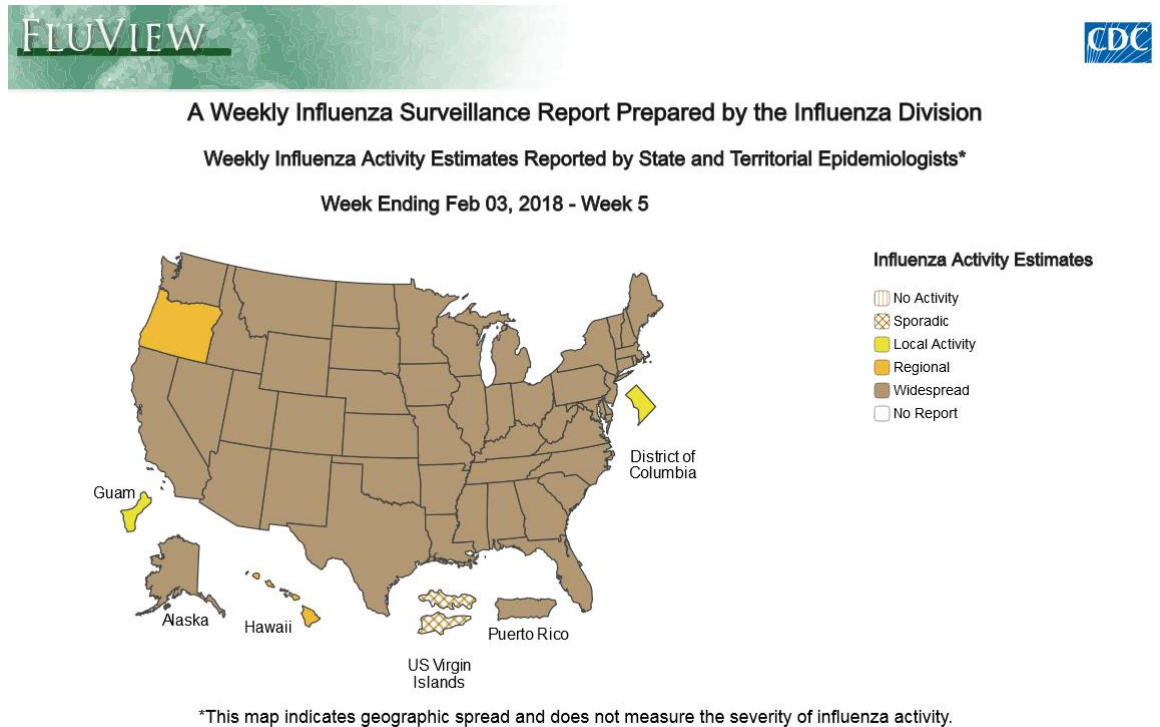
◆ During week 5, there were 52 school absenteeism reports submitted. Of those, the total median absenteeism increased from the previous week. Those absent specifically with influenza-like-illness increased, but remained less than 1% of total absenteeism.



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 5, Ohio's influenza activity maintained as widespread, along with 47 other states. Hawaii are Oregon are reporting local activity. The District of Columbia and Guam are reporting local activity.



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