

Stark County's Influenza Weekly Report

Week 3 (01/14/2018 – 01/20/2018)

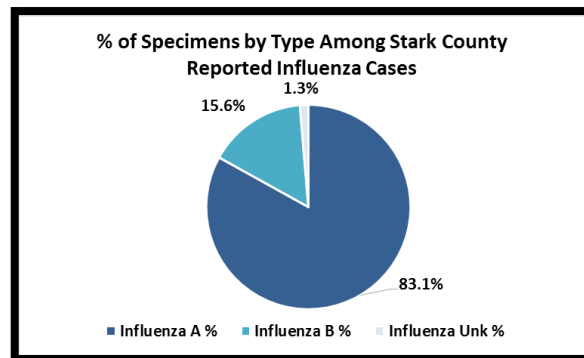


During Week 3:

- Stark County had 57 additional influenza-associated hospitalizations.
- Nationally, seven influenza-associated pediatric deaths reported, zero were from Stark County.
- During week 3, 1136 influenza A specimens were collected nationally from public health laboratories, which made up 84.2% of all positive specimens; 80.5% subtyped as H3N2, 12.7% as H1N1, and the remainder were not subtyped.

So Far this Year:

- There have been 406 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 73.5 years.
- A cumulative rate of 41.9 laboratory-confirmed influenza-associated hospitalizations per 100,000 population was reported.
- Up to week 3, 17,205 specimens collected nationally from public health laboratories were typed influenza A. This was 86.6% of all specimens collected. Of these, 8.9% subtyped as the 2009 H1N1 virus, 89.4% subtyped as the H3 virus, and subtyping was not performed on the rest of them.
- Nationally, 37 influenza-associated pediatric deaths were reported so far this year. Last year, at the same time, there were eight deaths reported for the season.
- One human infection with a novel influenza A virus (H1N1v) was reported from Iowa during week 46.

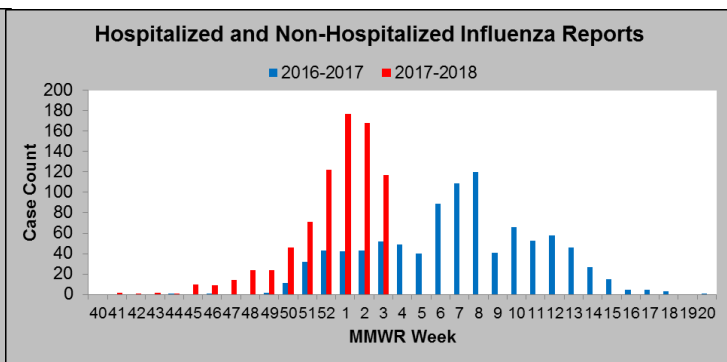
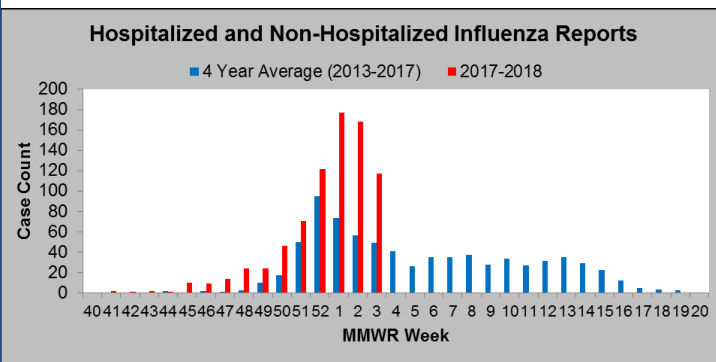


Viruses Circulating vs. Viruses in this Year's Vaccine:

- Nationally since October 1, 2017, 742 influenza viruses were characterized as Influenza A.
 - There were 561 influenza A(H3N2) viruses collected. 98.5% of those antigenically characterized matched the influenza A (H3N2) component in this year's vaccine. There were 181 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, 299 influenza viruses were characterized as Influenza B.
 - Of these, 256 subtyped from the Yamagata Lineage and 43 subtyped from the Victorian Lineage. Of these specimens, 100% of the Yamagata Lineage matched the Influenza B component of the 2017-2018 vaccine and 59.3% of the Victorian Lineage matched.

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

- ◆ There were a total of 141 cases of hospitalized and non-hospitalized influenza reported for Week 3 in Stark County. Last year there were 52 cases reported this week. Stark County increased to 813 cases reported so far this year, compared to 227 cases reported so far last year.



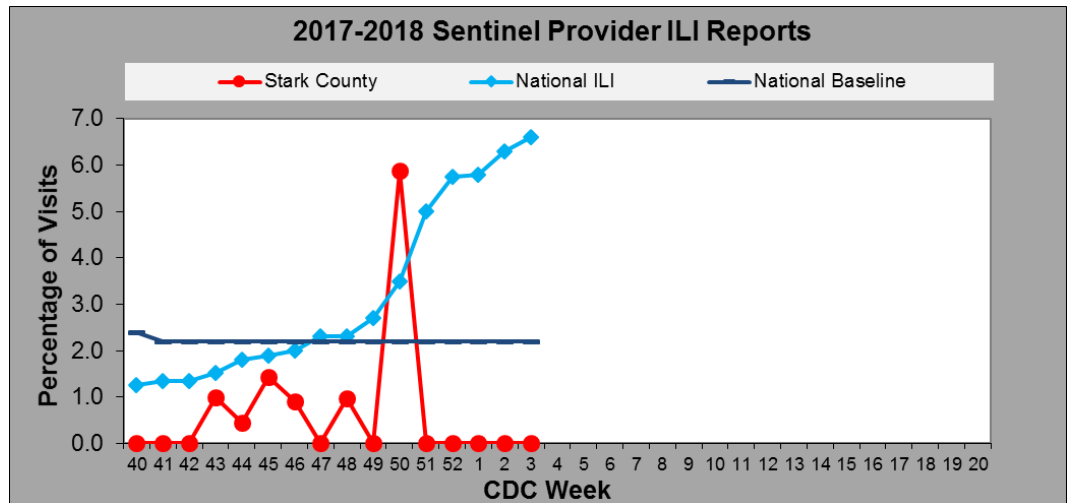
* All data presented in this weekly report are preliminary and may change as additional information is received.

* 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.

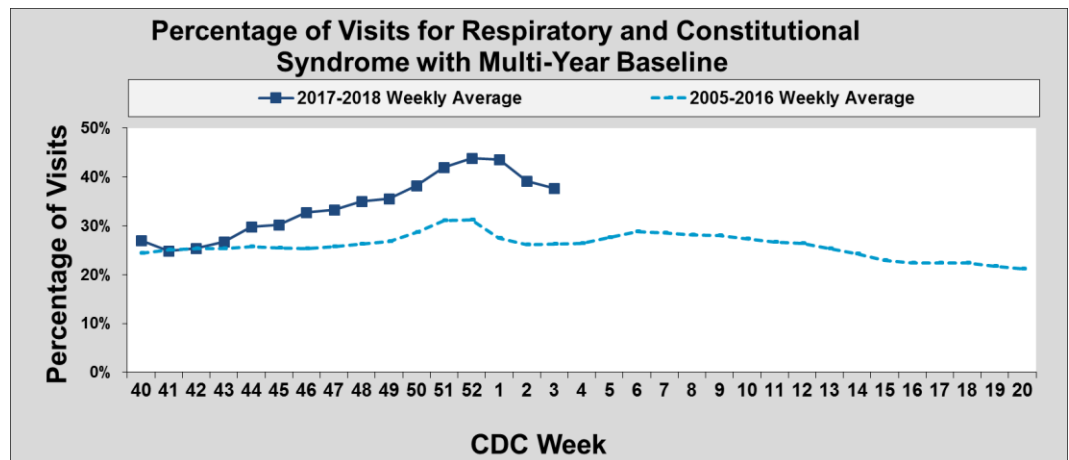
- During week 3, Stark County Sentinel Providers did not report. Nationally, it was reported that 6.6% of visits were for ILI, which continues to climb and be above the national baseline of 2.2% of visits. Chart is updated to reflect data received from Sentinel Providers from previous weeks.



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

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

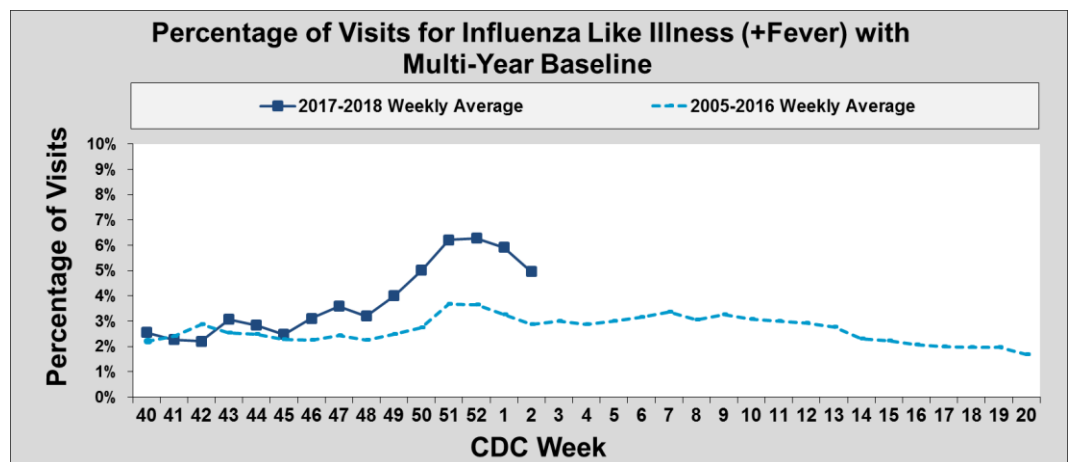
- ED and Stat Care visits for respiratory and constitutional syndrome continue to show a decrease, but continue to remain above the multi-year baseline average during week 3.



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 3 show a continued down tick from the previous week, but continue to remain above the multi-year average.



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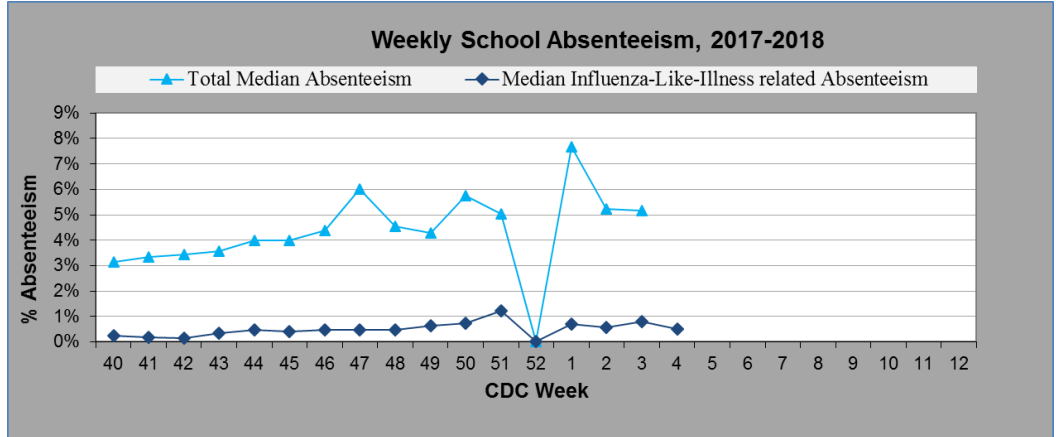
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Graph 5: Stark County School Absenteeism.

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

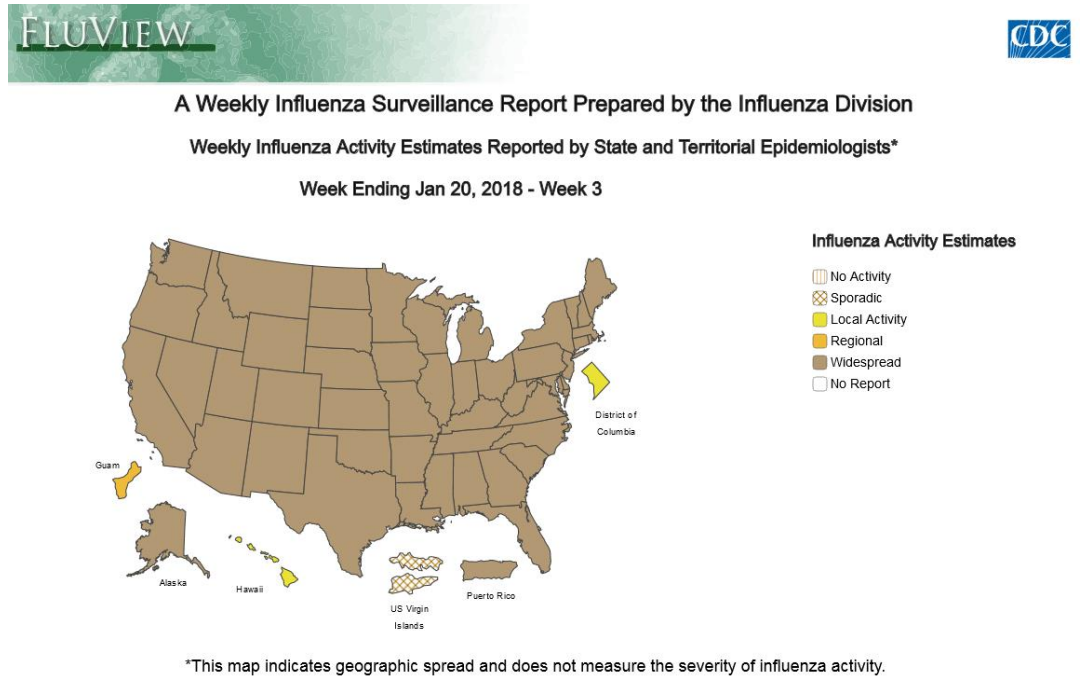
◆ During week 3, there were 46 school absenteeism reports submitted. Of those, the total median absenteeism decreased slightly from the previous week, and is more in line with the seasonal trend. Those absent specifically with influenza-like-illness continue to show consistent reporting with less than 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 3, Ohio's influenza activity maintained as widespread, along with 48 other states. Hawaii is still reporting local activity.



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