

Stark County's Influenza Weekly Report

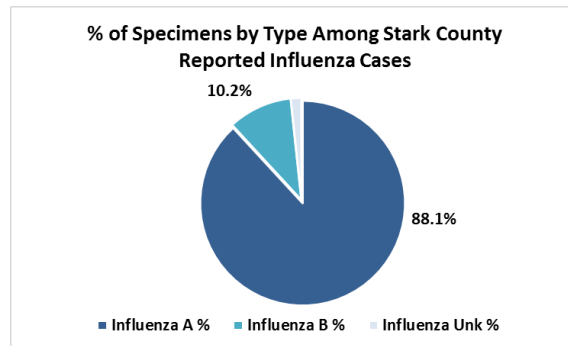
Week 1 (12/30/2018 – 01/05/2019)



Public Health
Prevent. Promote. Protect.

During Week 1:

- Stark County had 9 influenza-associated hospitalizations.
- Nationally, three influenza-associated pediatric deaths was reported.
- During week 1, 440 influenza A specimens were collected nationally from public health laboratories, 322 subtyped as the 2009 H1N1 virus, 68 subtyped as the H3 virus and the remainder were not subtyped.



So Far this Year:

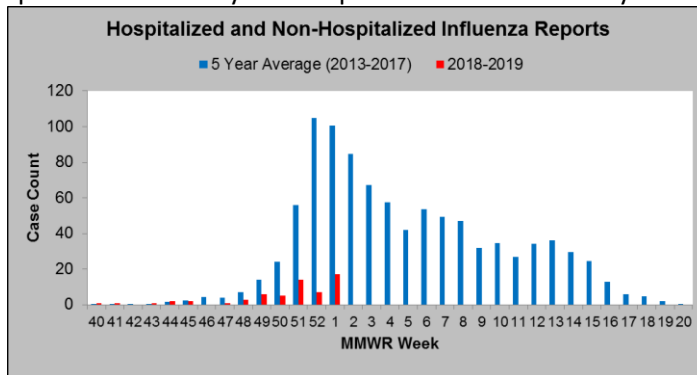
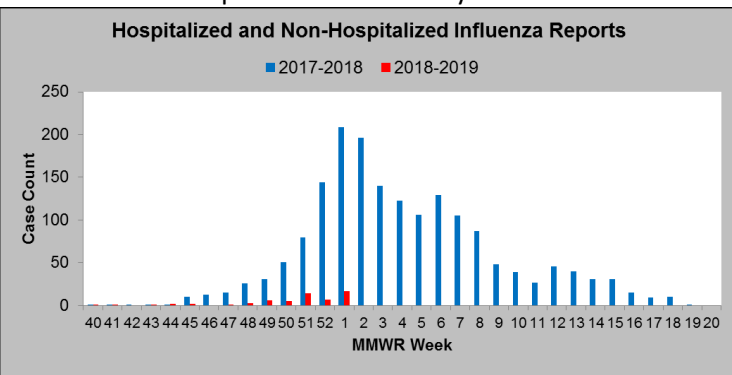
- There have been 24 influenza-associated hospitalizations in Stark County.
 - Those hospitalized for influenza have ranged from 2 weeks of age to 82 years of age, with the median being 53.5 years.
- A cumulative rate of 9.1 laboratory-confirmed influenza-associated hospitalizations per 100,000 population was reported.
- Through week 1, 4918 specimens collected nationally from public health laboratories were typed influenza A. This was 95.8% of all specimens collected. Of these, 81.4% subtyped as the 2009 H1N1 virus, 18.6% subtyped as the H3 virus, and subtyping was not performed on the rest of them.
- Nationally, 16 influenza-associated pediatric deaths were reported so far this year.

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

- Nationally, through week 1, 397 specimens were characterized as Influenza A.
 - There were 270 influenza A (H1N1) viruses collected and, of those characterized (79), 98.7% matched the influenza A (H1N1) component in this year's vaccine. There were 127 influenza A (H3N2) viruses collected and, of those characterized (6), 100% matched the influenza A (H3N2) component in this year's vaccine.
- Nationally, through week 1, 47 specimens were characterized as Influenza B.
 - Of these, 34 subtyped from the Yamagata Lineage and 13 subtyped from the Victorian Lineage. Of these specimens, 100% of the Yamagata Lineage characterized matched the Influenza B component of the 2018-2019 vaccine and 50% of the Victorian Lineage matched.

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

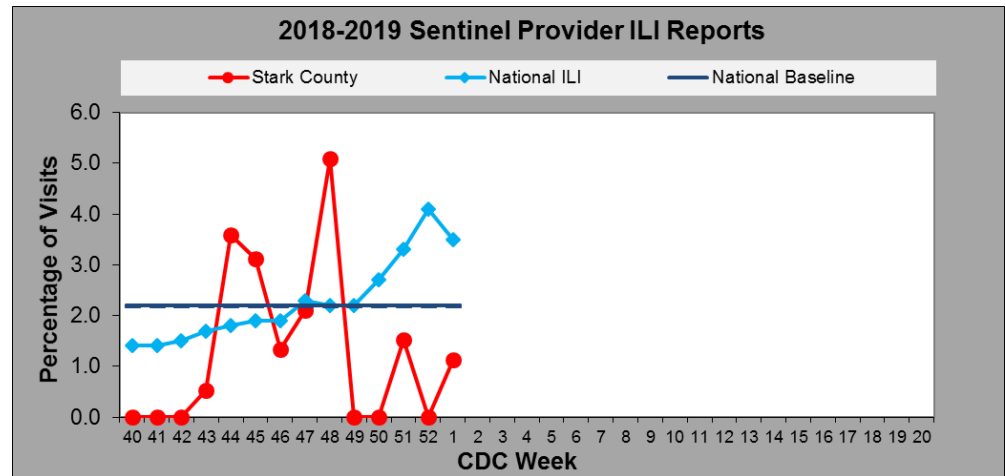
There were 17 cases of hospitalized and non-hospitalized influenza reported for Week 1 in Stark County. Last year, there were 209 cases reported. Stark County increased to 60 cases reported so far this year compared to 584 cases last year.



- 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.

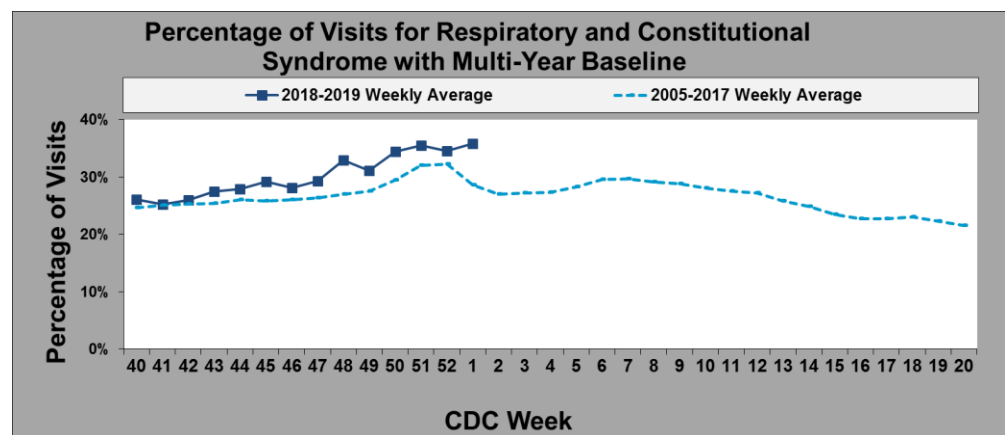
◆ During week 1, Stark County Sentinel Providers reported 1.14% of all visits related to influenza-like illness. The national reports decreased to 3.5 from the previous week, but remained above the 2.2% baseline.



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

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

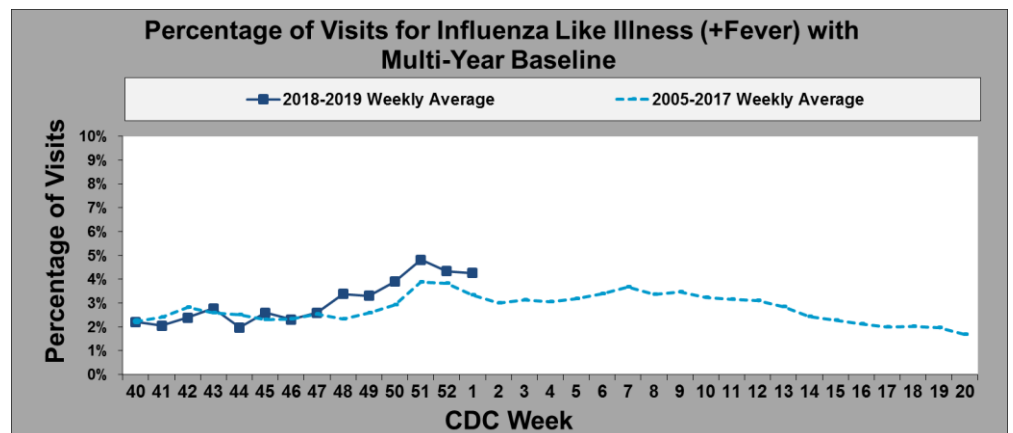
◆ ED and Stat Care visits for respiratory and constitutional syndrome increased, and remained above the multi-year baseline average during week 1.



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 decreased slightly from the previous week, but remained slightly above the 5 year average.

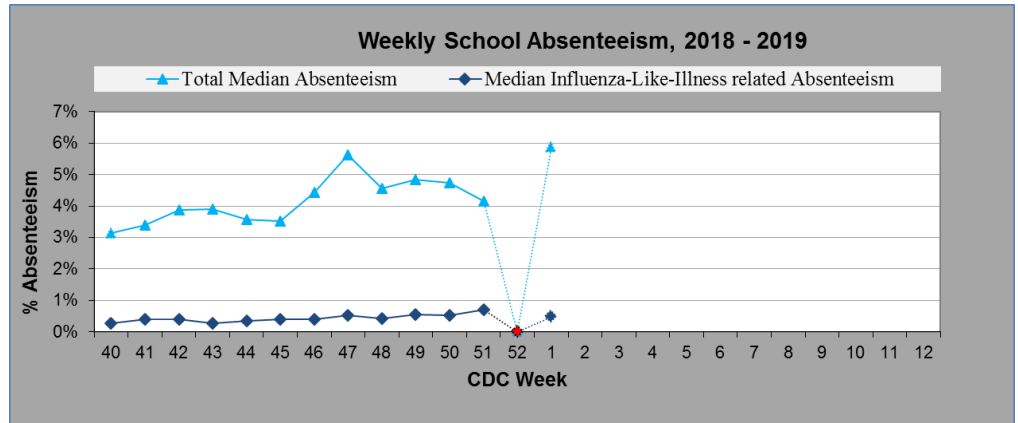


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Graph 5: Stark County School Absenteeism.

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

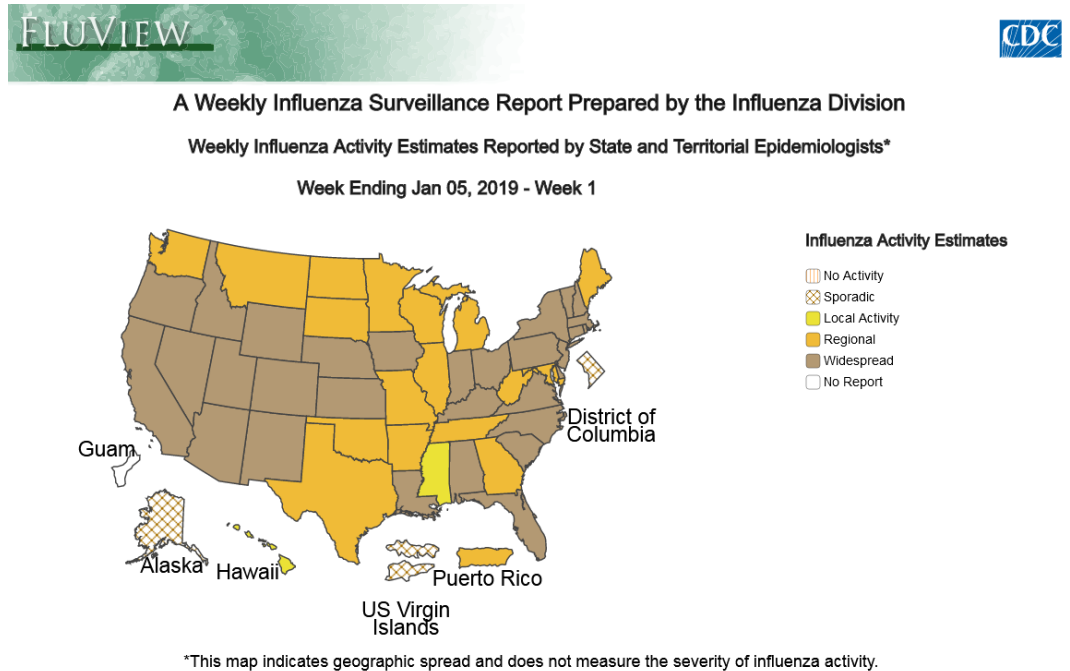
◆ During week 1, Stark County schools reported a total median absenteeism of 5.85%. Absenteeism due to influenza-like-illness was reported at 0.49% of all absences. Twenty-two schools reported, but it should be noted that over half the schools were still on winter break.



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 reported widespread influenza activity, along with 29 other states. Regional activity – 17 states Local activity – 2 states Sporadic activity – 1 state



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