

Stark County's Influenza Weekly Report

Week 9 (02/24/2019 – 03/02/2019)



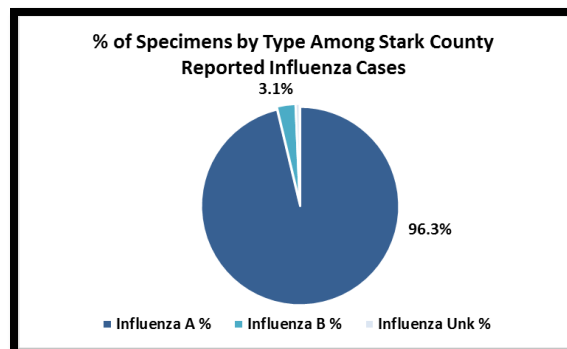
Public Health
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During Week 9:

- Stark County had 42 influenza-associated hospitalizations.
- Nationally, nine influenza-associated pediatric deaths was reported.
- During week 8, 1186 influenza A specimens were collected nationally from public health laboratories, 429 subtyped as the 2009 H1N1 virus, 699 subtyped as the H3 virus and the remainder were not subtyped.

So Far this Year:

- There have been 208 influenza-associated hospitalizations in Stark County.
 - Those hospitalized for influenza have ranged from 2 weeks of age to 97 years of age, with the median being 63.0 years.
- A cumulative rate of 38.3 laboratory-confirmed influenza-associated hospitalizations per 100,000 population was reported.
- Through week 8, 23,284 specimens collected nationally from public health laboratories were typed influenza A. This was 97.7% of all specimens collected. Of these, 69.6% subtyped as the 2009 H1N1 virus, 30.4% subtyped as the H3 virus, and subtyping was not performed on the rest of them.
- Nationally, 64 influenza-associated pediatric deaths were reported so far this year.



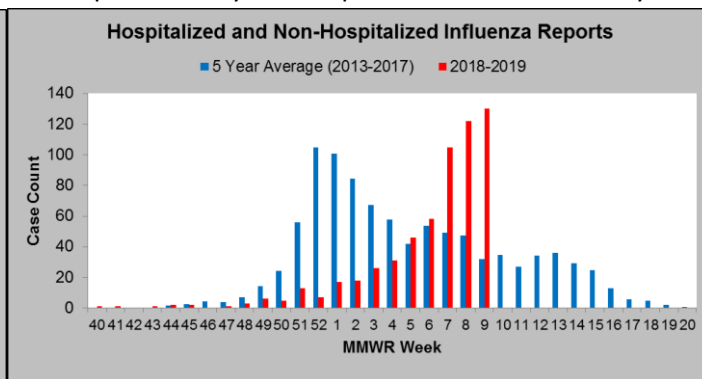
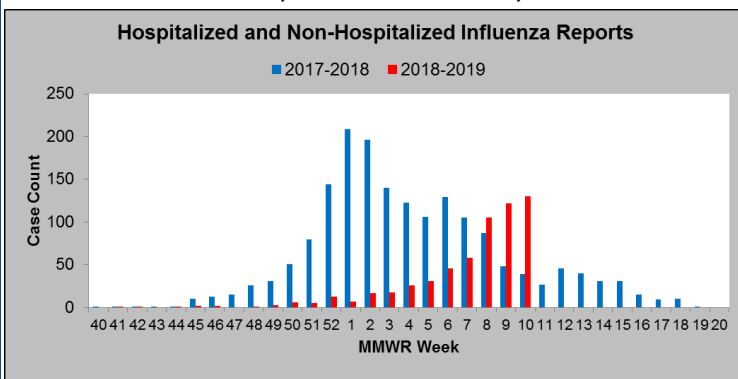
Viruses Circulating vs. Viruses in this Year's Vaccine:

⇒ According to the MMWR published on February 15, 2019, this year's influenza vaccine is 47% effective (95% confidence interval [CI] = 34%–57%). This is from data collected from 3,254 children and adults enrolled in the U.S. Influenza Vaccine Effectiveness Network (U.S. Flu VE Network) during November 23, 2018–February 2, 2019. 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 nearly half. (<https://www.cdc.gov/mmwr/volumes/67/wr/mm6706a2.htm>)

- Nationally, through week 8, 1252 specimens were characterized as Influenza A.
 - There were 762 influenza A (H1N1) viruses collected and, of those characterized (264), 98.5% matched the influenza A (H1N1) component in this year's vaccine. There were 490 influenza A (H3N2) viruses collected and, of those characterized (224), 61.6% matched the influenza A (H3N2) component in this year's vaccine.
- Nationally, through week 8, 164 specimens were characterized as Influenza B.
 - Of these, 97 subtyped from the Yamagata Lineage and 67 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 81.5% of the Victorian Lineage matched.

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

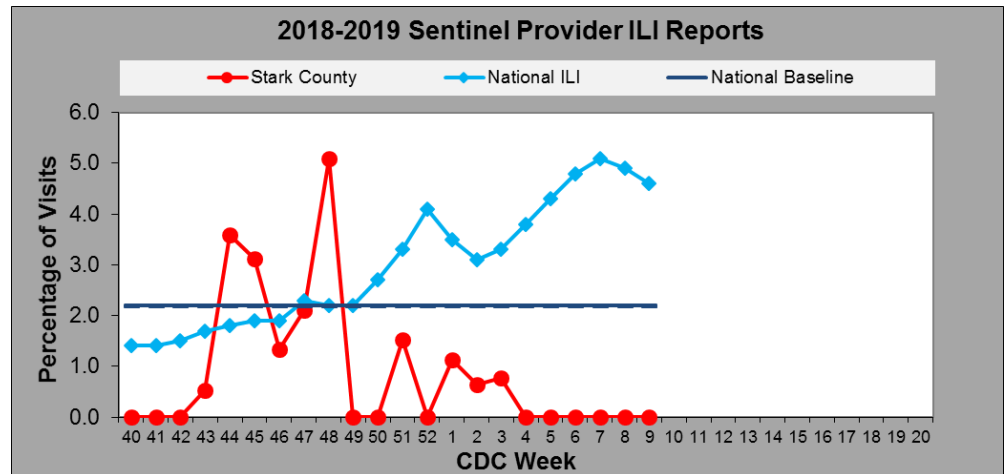
There were 130 cases of hospitalized and non-hospitalized influenza reported for Week 9 in Stark County. Last year, there were 48 cases reported. Stark County increased to 595 cases reported this year compared to 1518 cases last year.



- 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.

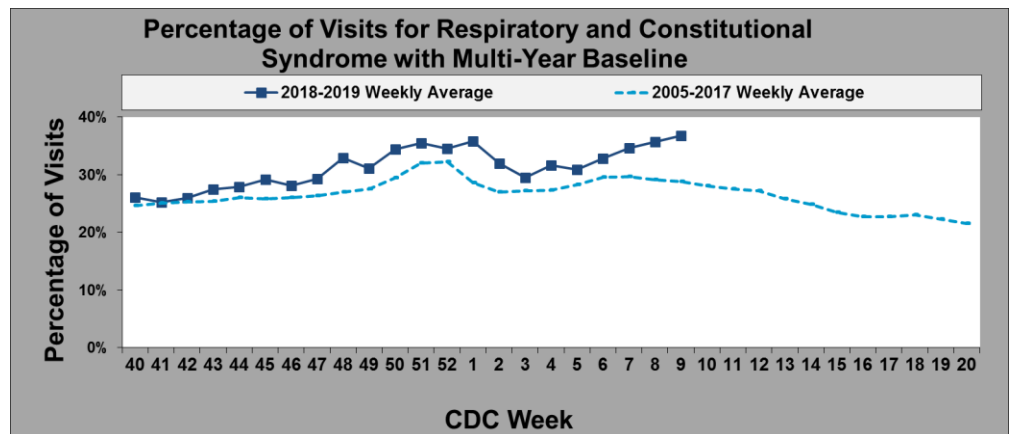
◆ During Week 9, Stark County Sentinel Providers did not report. The national reports show that 4.6% of ED visits are due to ILI. This is still above the 2.2% baseline.



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

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

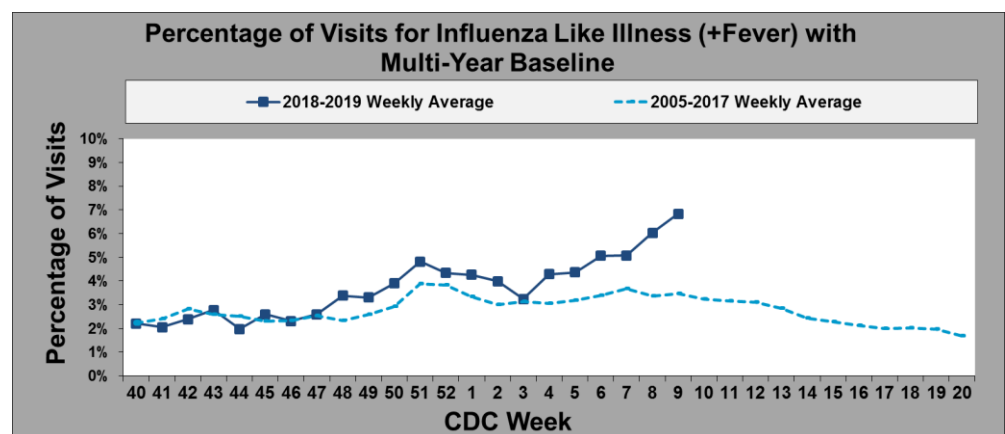
◆ ED and Stat Care visits for respiratory and constitutional show an increase for the 5th week in a row, and remain above the multi-year baseline average during Week 9.



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 9 continue to show a steady increase, and continues to be above the 5 year average.

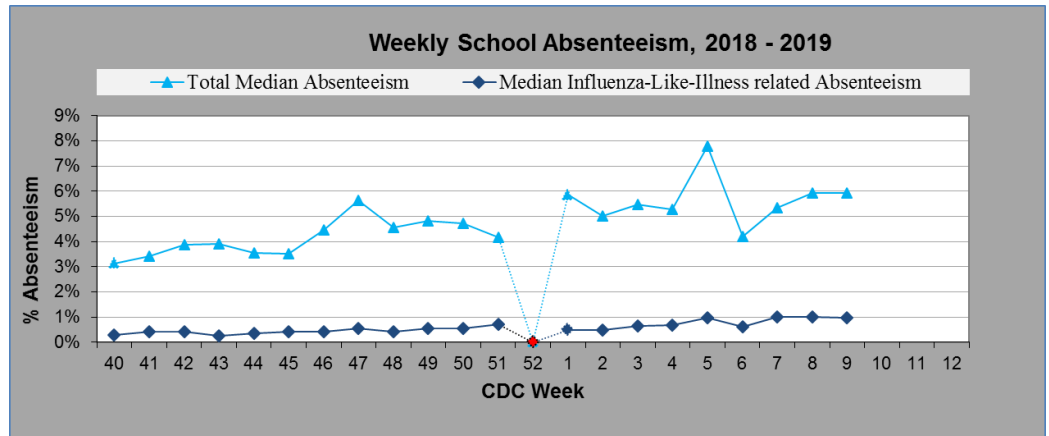


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Graph 5: Stark County School Absenteeism.

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

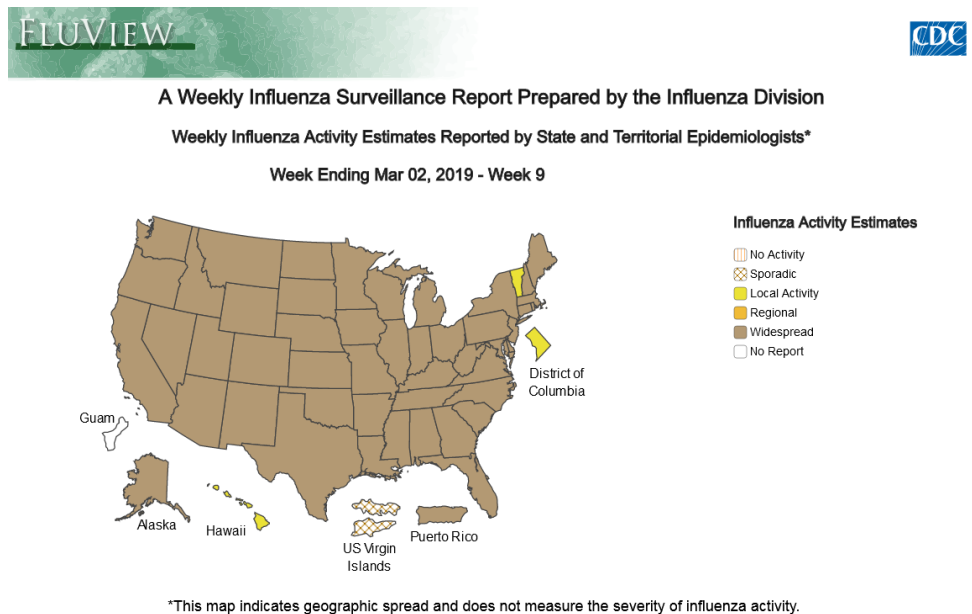
◆ During Week 9, Stark County schools reported a total median absenteeism of 5.92%. Absenteeism due to influenza-like-illness was reported at 0.97% of all absences. Fifty-two schools reported.



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 9, Ohio reported widespread influenza activity, along with 47 other states. Local activity – 2 states



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