

Stark County's Influenza Weekly Report

Week 10 (03/03/2019 – 03/09/2019)



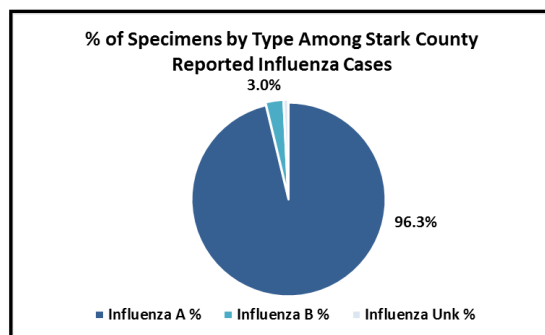
Public Health
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During Week 10:

- Stark County had 44 influenza-associated hospitalizations.
- During week 10, 2358 influenza A specimens were collected nationally from public health laboratories, 366 subtyped as the 2009 H1N1 virus, 691 subtyped as the H3 virus and the remainder were not subtyped.

So Far this Year:

- There have been 254 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 64.0 years.
- A cumulative rate of 43.5 laboratory-confirmed influenza-associated hospitalizations per 100,000 population was reported.

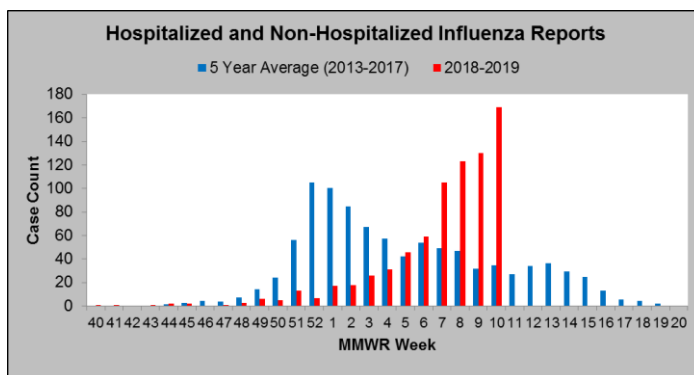
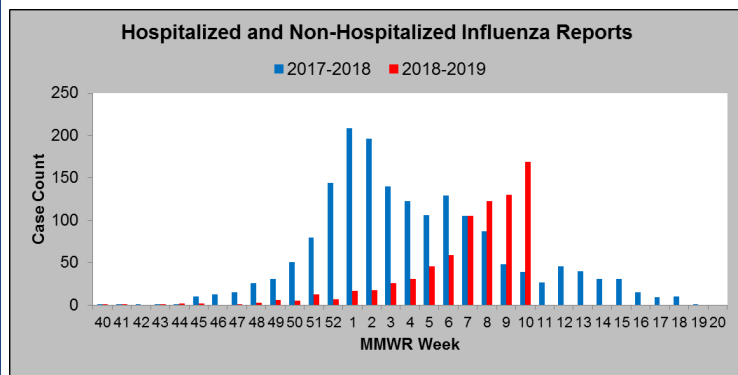


Viruses Circulating vs. Viruses in this Year's Vaccine:

⇒ 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>)

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

There were 169 cases of hospitalized and non-hospitalized influenza reported for Week 10 in Stark County. Last year, there were 39 cases reported. Stark County increased to 766 cases reported this year compared to 1557 cases last year.

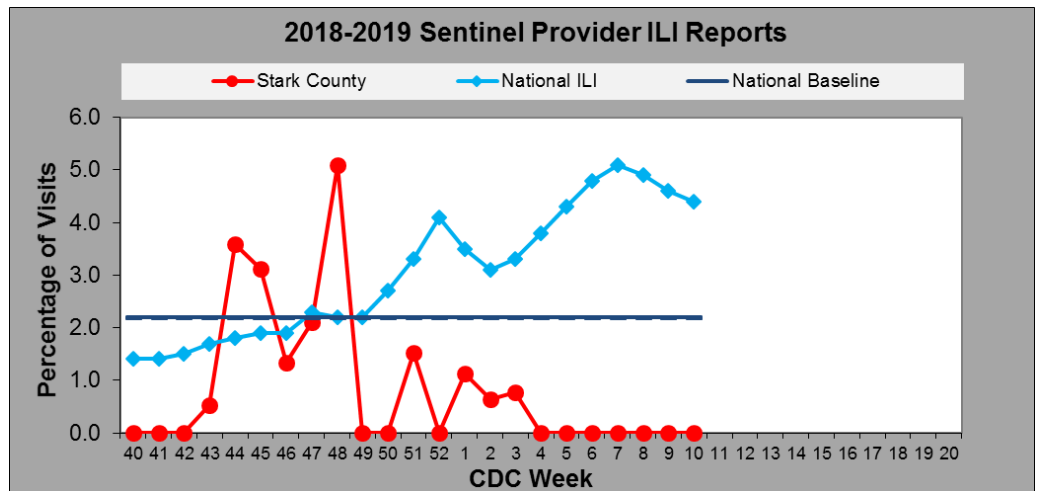


(Data for week 10 from CDC's webpage entitled Weekly U.S. Influenza Surveillance Report were unavailable at the time of report distribution. Unavailable data include pediatric influenza deaths, U.S. Virologic Surveillance from national public health laboratories, and Influenza Virus Characterization. Reports will be updated if and when the data becomes available.

- 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.

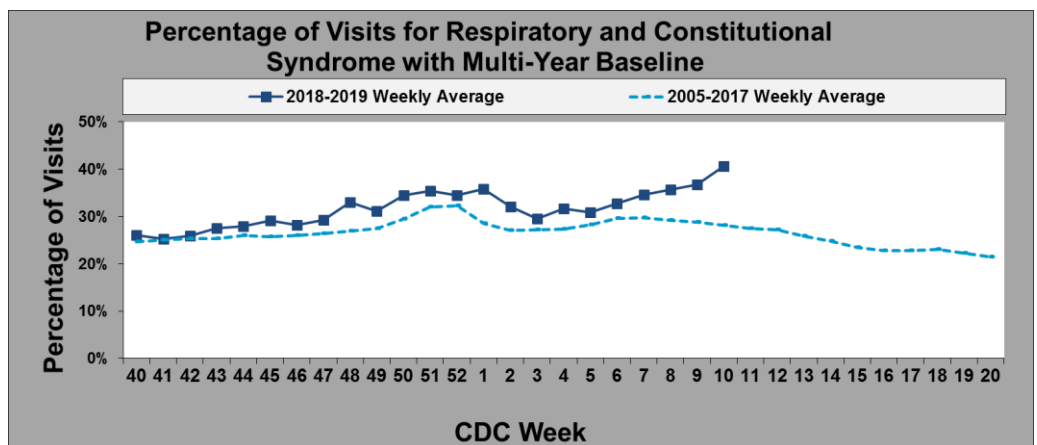
◆ During Week 10, Stark County Sentinel Providers did not report. The national reports show that 4.4% of ED visits are due to ILI. This is still above the 2.2% baseline.



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

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

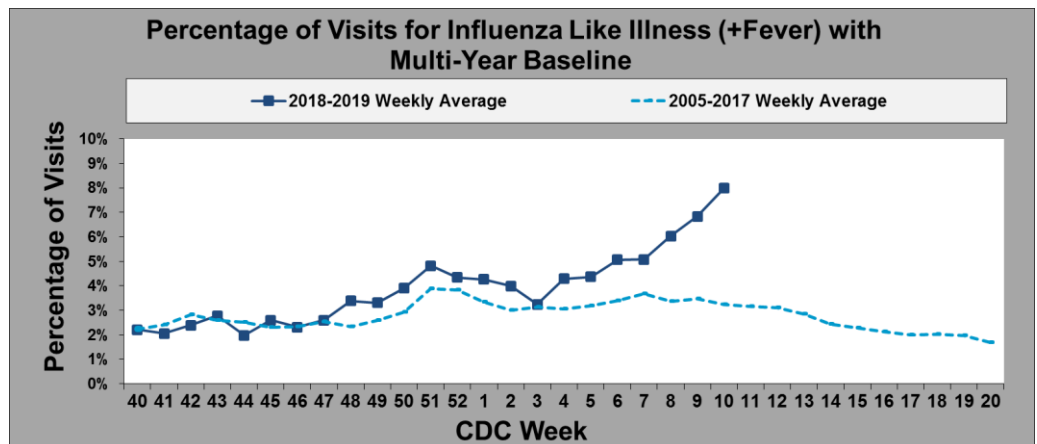
◆ ED and Stat Care visits for respiratory and constitutional show an increase for the 6th week in a row, and remain above the multi-year baseline average during Week 10.



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

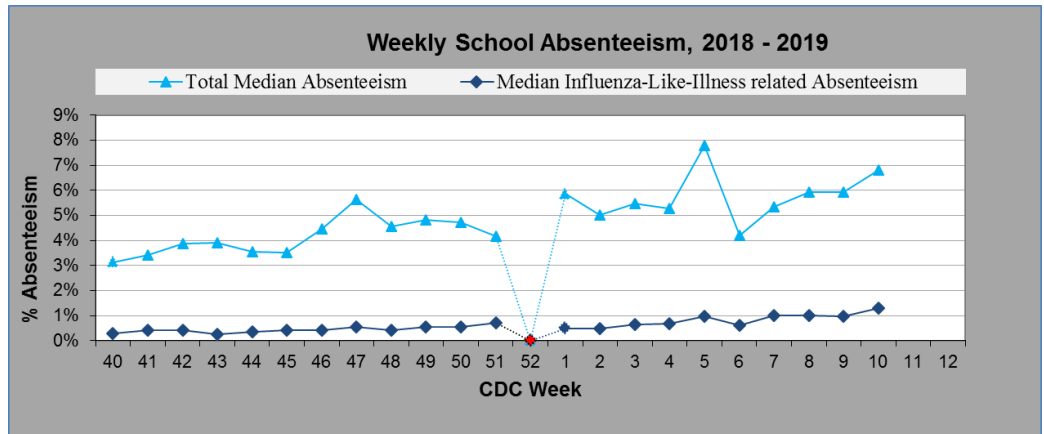


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Graph 5: Stark County School Absenteeism.

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

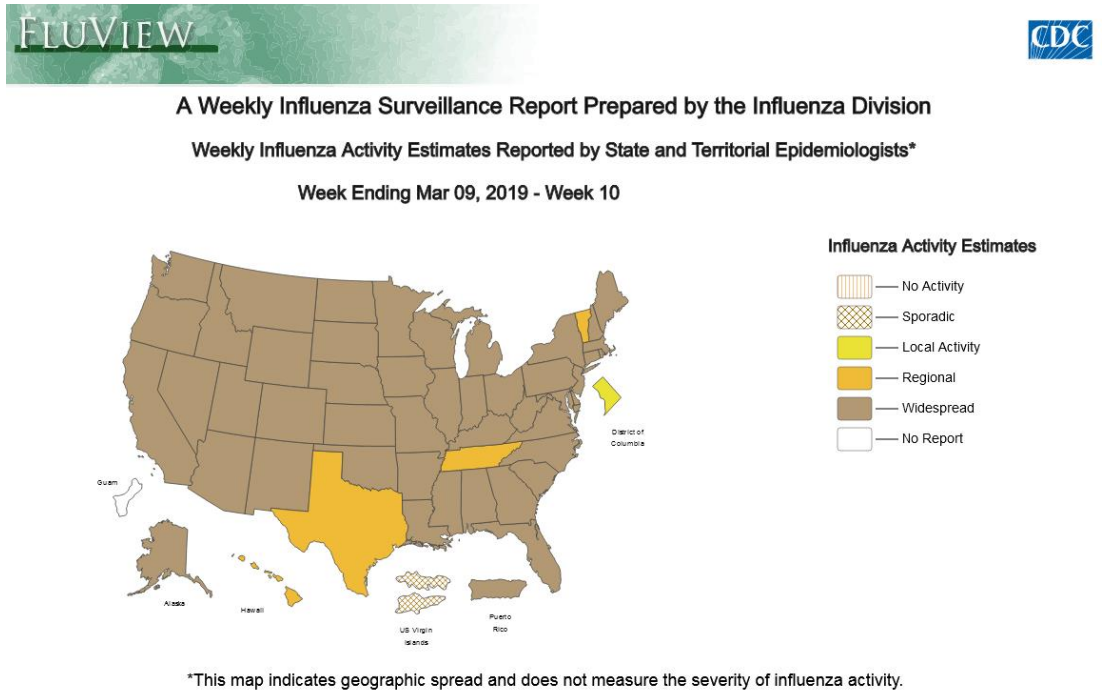
◆ During Week 10, Stark County schools reported a total median absenteeism of 6.81%. Absenteeism due to influenza-like-illness was reported at 1.30% of all absences. Fifty schools reported.



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 10, Ohio reported widespread influenza activity, along with 45 other states. Regional activity – 4 states Local activity (DC)



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