

Stark County's Influenza Weekly Report

Week 11 (03/10/2019 – 03/16/2019)



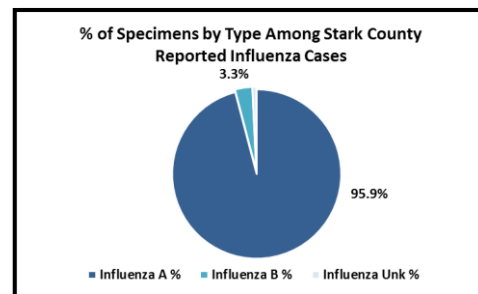
Public Health
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During Week 11:

- Stark County had 60 influenza-associated hospitalizations.
- Nationally, eight influenza-associated pediatric deaths was reported.
- During week 11, 1105 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 314 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 47.1 laboratory-confirmed influenza-associated hospitalizations per 100,000 population was reported.
- Through week 11, 30,015 specimens collected nationally from public health laboratories were typed influenza A. This was 97.4% of all specimens collected. Of these 64.2% subtyped as the 2009 H1N1 virus, 35.8% subtyped as the H3 virus, and subtyping was not performed on the rest of them.
- Nationally, 76 influenza-associated pediatric deaths were reported so far this year.



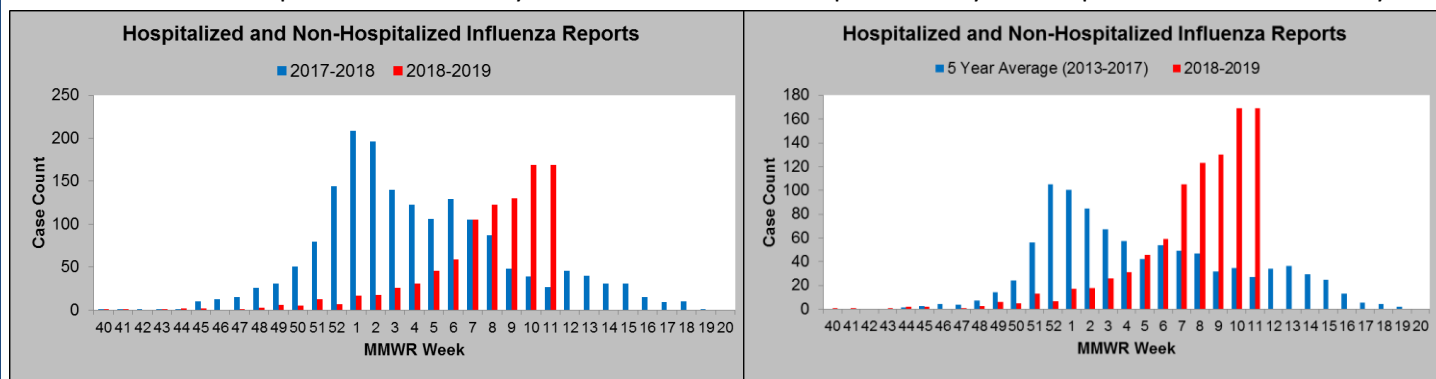
Viruses Circulating vs. Viruses in this Year's Vaccine:

⇒ 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 11, 1457 specimens were characterized as Influenza A.
 - There were 865 influenza A (H1N1) viruses collected and, of those characterized (291), 96.9% matched the influenza A (H1N1) component in this year's vaccine. There were 592 influenza A (H3N2) viruses collected and, of those characterized (256), 60.5% matched the influenza A (H3N2) component in this year's vaccine.
- Nationally, through week 11, 199 specimens were characterized as Influenza B.
 - Of these, 104 subtyped from the Yamagata Lineage and 95 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.

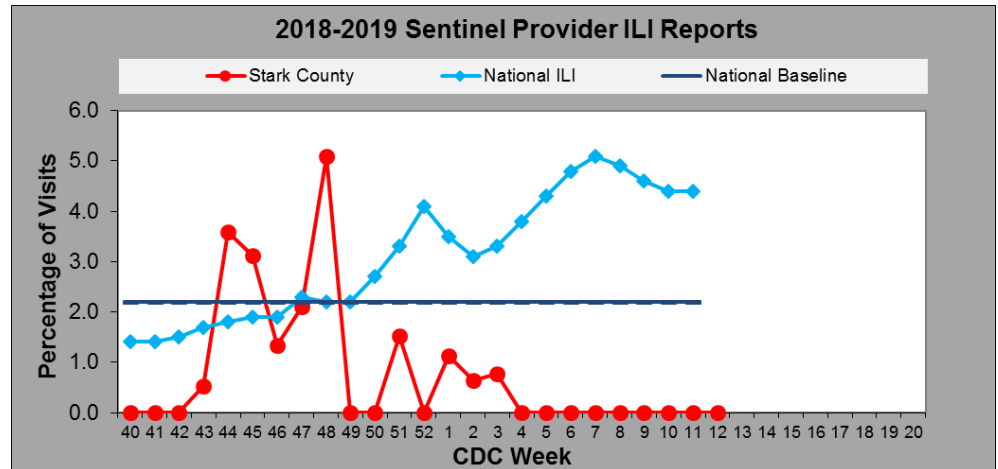
There were 169 cases of hospitalized and non-hospitalized influenza reported for Week 11 in Stark County. Last year, there were 27 cases reported. Stark County increased to 935 cases reported this year compared to 1584 cases last year.



- 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.

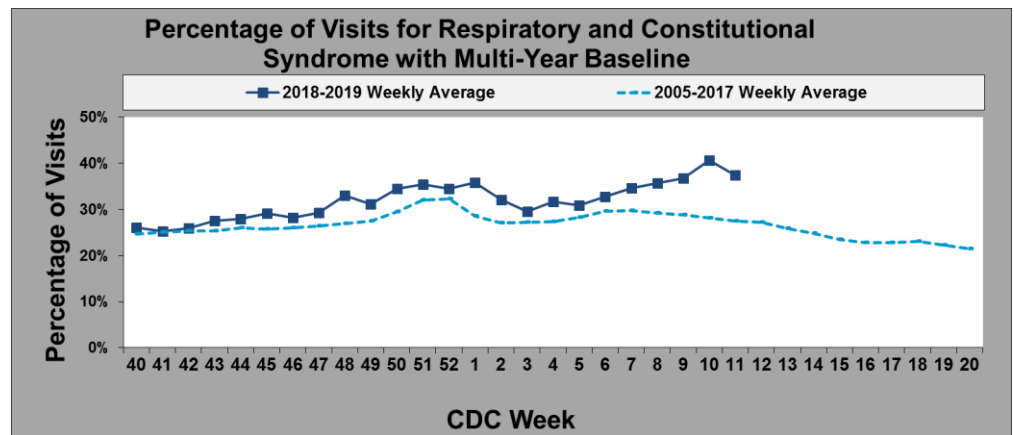
◆ During Week 11, Stark County Sentinel Providers did not report. The national reports show that 4.4% of ED visits are due to ILI for the second week in a row. This is still above the 2.2% baseline.



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

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

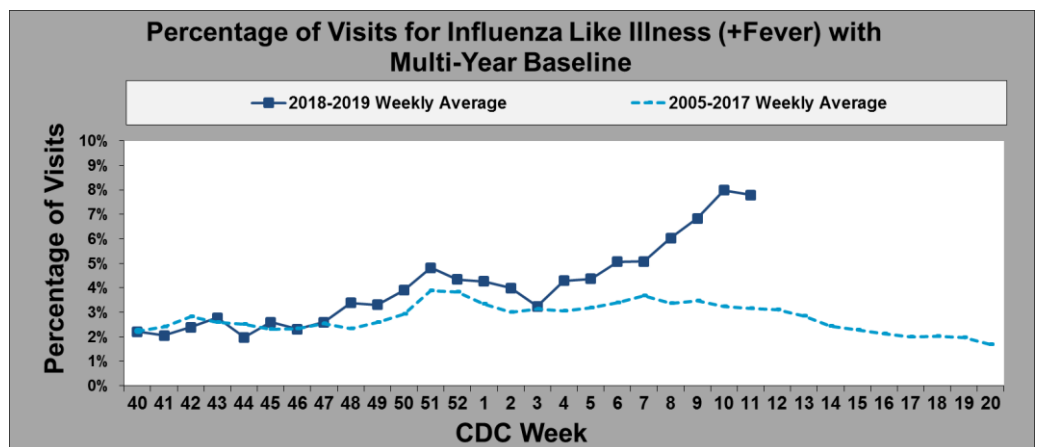
◆ ED and Stat Care visits for respiratory and constitutional show the first decrease in 6 weeks, but remain above the multi-year baseline average during Week 11.



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 11 show a slight downtick, but continues to be above the 5 year average.

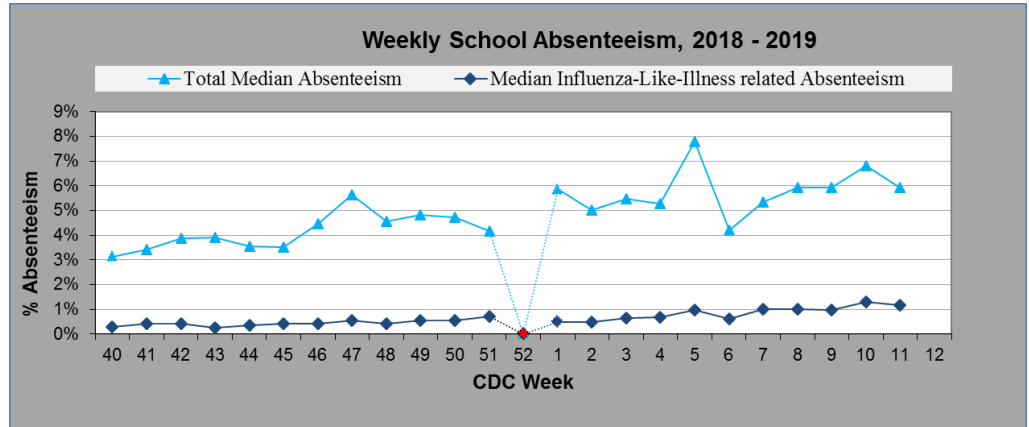


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Graph 5: Stark County School Absenteeism.

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

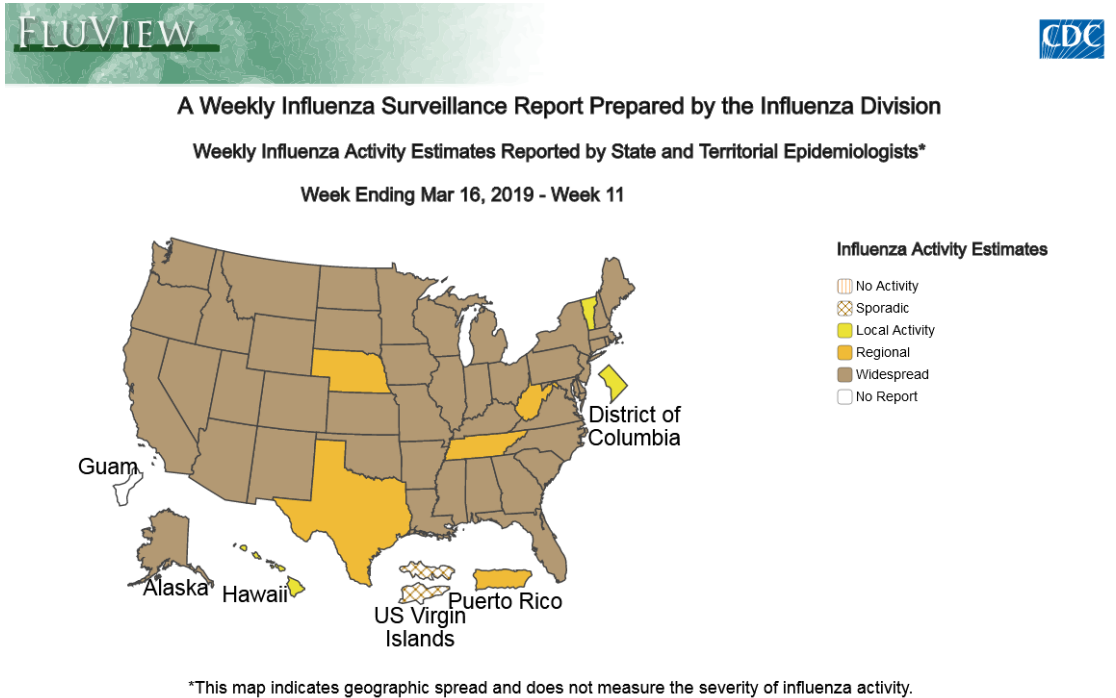
◆ During Week 11, Stark County schools reported a total median absenteeism of 5.94%. Absenteeism due to influenza-like-illness was reported at 1.15% of all absences. Fifty-one schools reported.



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 11, Ohio reported widespread influenza activity, along with 43 other states. Regional activity – 4 states Local activity – Two states (and DC)



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