

# Stark County's Influenza Weekly Report

## Week 13 (03/25/2018 – 03/31/2018)

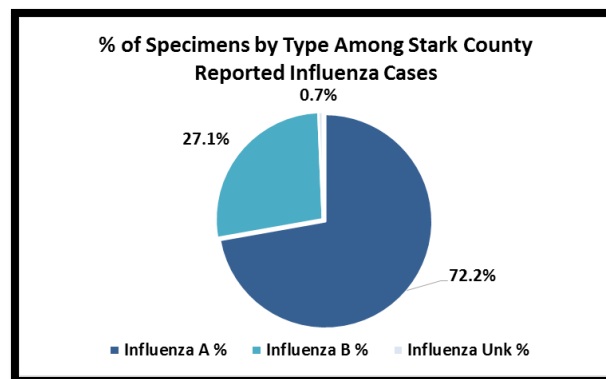


### During Week 13:

- Stark County had 27 additional influenza-associated hospitalizations.
- Nationally, five influenza-associated pediatric deaths reported, zero were from Stark County.
- During week 13, 120 influenza A specimens were collected nationally from public health laboratories, which made up 38.3% of all positive specimens; 60.8% subtyped as H3N2, 34.2% as H1N1, and the remainder were not subtyped.

### So Far this Year:

- There have been 656 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 71 years.
- A cumulative rate of 99.9 laboratory-confirmed influenza-associated hospitalizations per 100,000 population was reported.
- Up to week 13, 35,934 collected nationally from public health laboratories were typed influenza A. This was 74.3% of all specimens collected. Of these, 13.8% subtyped as the 2009 H1N1 virus, 84.5% subtyped as the H3 virus, and subtyping was not performed on the rest of them.
- Nationally, 142 influenza-associated pediatric deaths were reported so far this year. Last year, at the same time, there were 68 deaths reported for the season.
- One human infection with a novel influenza A virus (H1N1v) was reported from Iowa during week 46.

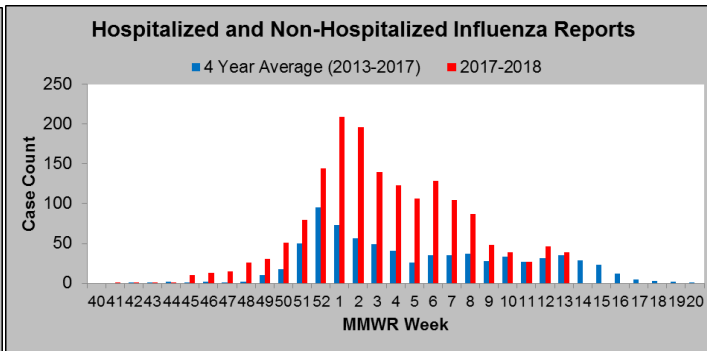
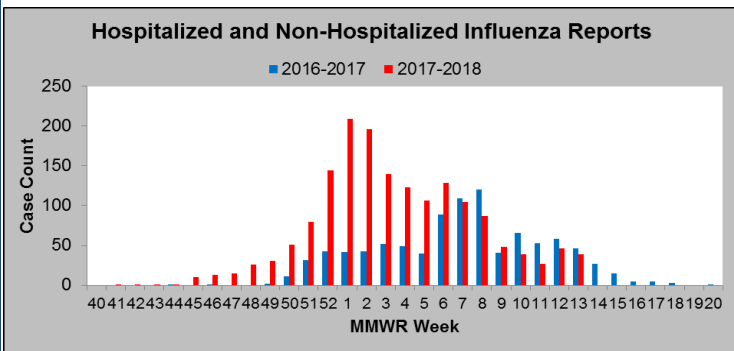


### Viruses Circulating vs. Viruses in this Year's Vaccine:

- Nationally since October 1, 2017, 1642 influenza viruses were characterized as Influenza A.
  - There were 1053 influenza A (H3N2) viruses collected. 96.9% of those antigenically characterized matched the influenza A (H3N2) component in this year's vaccine. There were 589 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, 780 influenza viruses were characterized as Influenza B.
  - Of these, 622 subtyped from the Yamagata Lineage and 158 subtyped from the Victorian Lineage. Of these specimens, 100% of the Yamagata Lineage matched the Influenza B component of the 2017-2018 vaccine and 28% of the Victorian Lineage matched.

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

- ◆ There were a total of 39 cases of hospitalized and non-hospitalized influenza reported for Week 13 in Stark County. Last year there were 46 cases reported this week. Stark County increased to 1668 cases reported so far this year, compared to 898 cases reported so far last year.



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

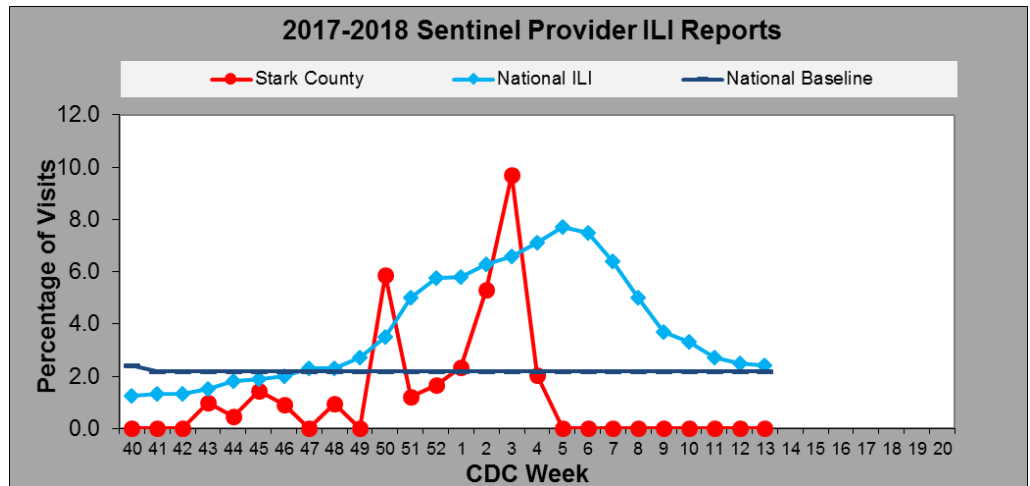
\* Multiyear averages included in this weekly report do not include the 2009/2010 H1N1 season.

➢ If you have any questions please contact Avi Joseph at 330.493.9914 or [josepha@starkhealth.org](mailto:josepha@starkhealth.org) or Amanda Archer at 330.489.3327 or [aarcher@cantonhealth.org](mailto:aarcher@cantonhealth.org)

**Graph 2: Sentinel Provider Reported Influenza Like Illness (ILI) in Stark County.**

- During week 13, Stark County Sentinel Providers did not report. Nationally, it was reported that 2.4% of visits were for ILI, which continues to be above the national baseline of 2.2% of visits, but shows a continued decrease from the previous weeks.

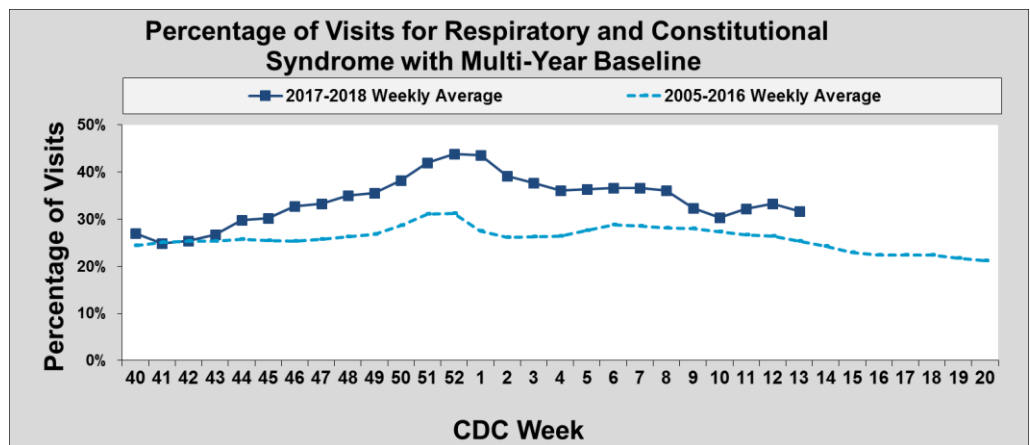
Chart is updated to reflect data received from Sentinel Providers from previous weeks.



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

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

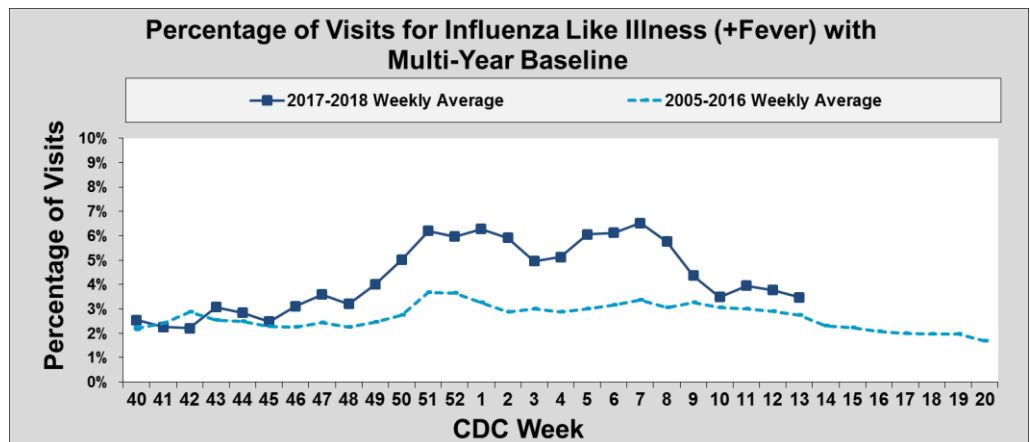
- ED and Stat Care visits for respiratory and constitutional syndrome show a slight downtick from the previous week, but is still above the multi-year baseline average during week 13.



**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 13 show a decrease from the previous down trend, and is still above the multi-year average.



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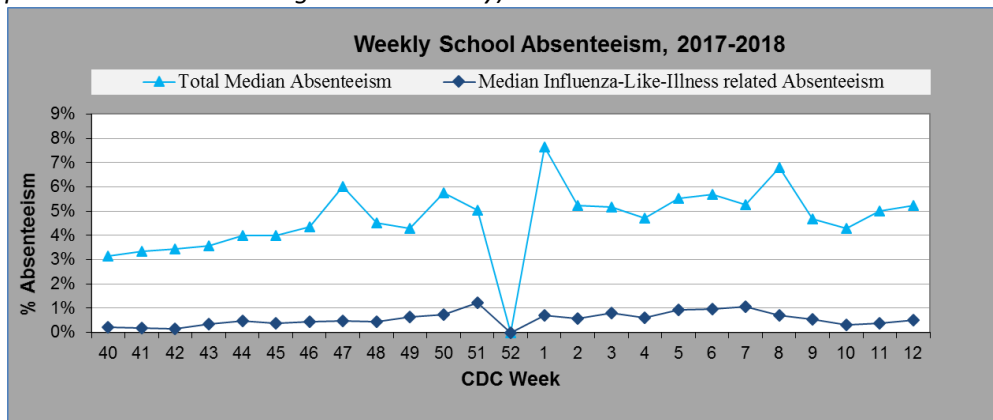
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### Graph 5: Stark County School Absenteeism.

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

- ◆ School absenteeism finished reporting for the 2017-2018 influenza season.



### Map: Weekly Geographic Influenza Activity Estimates Reported by State and Territorial Epidemiologists Syndromes.

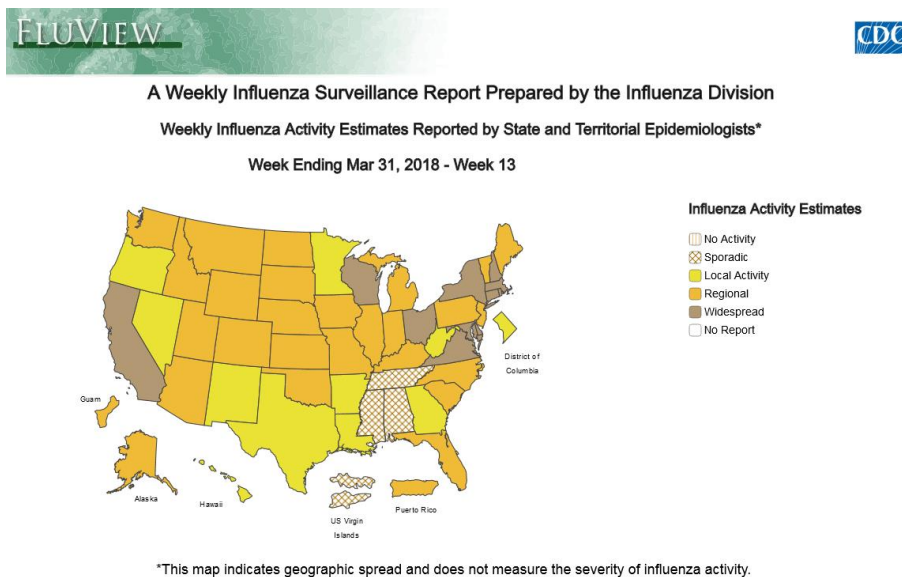
(Source: Health Monitoring Systems, EpiCenter, hospital and stat care patient registration surveillance system)

- ◆ During week 13, Ohio's influenza activity maintained as widespread, along with 10 other states.

Regional activity: 26 states

Local activity: 10 states

Sporadic activity: 3 states



⇒ According to the MMWR published on February 16, 2018, this year's influenza vaccine is 36% effective. This is from data collected from 4,562 children and adults enrolled in the U.S. Influenza Vaccine Effectiveness Network (U.S. Flu VE Network) during November 2, 2017–February 3, 2018. 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 over a third. (<https://www.cdc.gov/mmwr/volumes/67/wr/mm6706a2.htm>)



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