

Stark County's Influenza Weekly Report

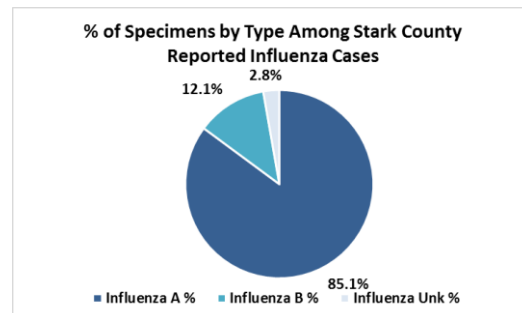
Week 52 (12/24/17-12/30/17)



Public Health
Prevent. Promote. Protect.

During Week 52:

- During week 52, Stark County had 60 influenza-associated hospitalizations.
- Nationally, there was one influenza-associated pediatric death reported.
- There were no human infections with a novel influenza A virus reported during week 52.
- During week 52, 784 influenza A specimens were collected nationally from public health laboratories, which made up 85% of all positive specimens; 7.7% subtyped as the 2009 H1N1 virus, 87.0% subtyped as the H3 virus, and the remainder not subtyped.



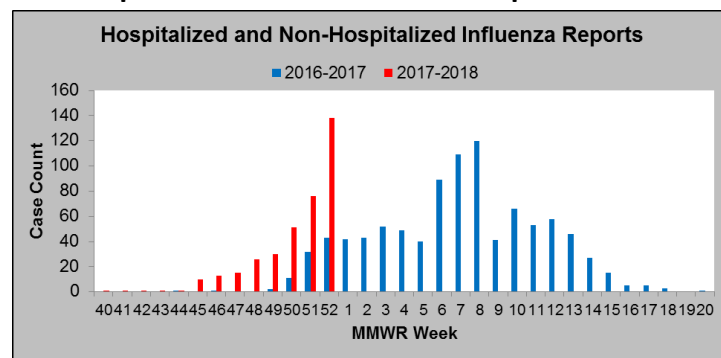
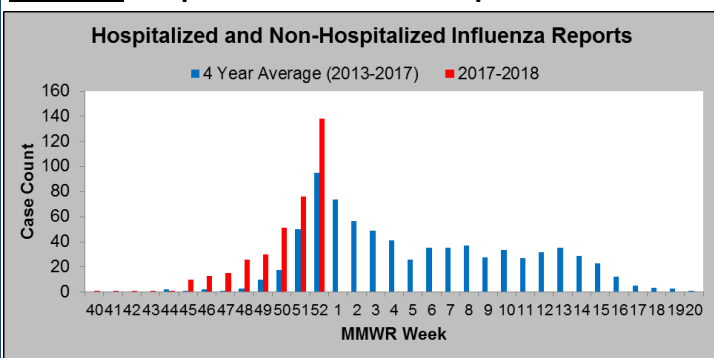
So Far this Year:

- There have been 149 influenza-associated hospitalizations so far this year in Stark County.
 - Ages of those hospitalized for influenza have ranged from 2 years to 96 years of age with the average age being 67.2 years (median 68 years old).
- A cumulative rate of 13.7 lab-confirmed influenza-associated hospitalizations per 100,000 people was reported.
- Up through week 52, 22,827 specimens were collected nationally from public health laboratories. 7,754 were typed as influenza A, comprising 87.2% of all specimens collected. Of these 8.3% were subtyped as the 2009 H1N1 virus while 90.4% were subtyped as the H3 virus.
- Nationally, there have been thirteen influenza-associated pediatric deaths reported so far this year. Last year at the same time, there were zero.

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

- Nationally since October 1, 2017, 510 influenza A specimens were genetically or antigenically characterized.
 - There were 410 influenza A (H3N2) viruses collected. 99.2% of those antigenically characterized matched the influenza A (H3N2) component in this year's vaccine. There were 73 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, 176 influenza B specimens were genetically or antigenically characterized.
 - Of these, 71 were antigenically characterized from the Yamagata Lineage and 7 characterized from the Victorian Lineage. Of these specimens, 100% of the Yamagata Lineage matched the Influenza B component of the 2017-2018 vaccine and 57% of specimens from the Victorian Lineage matched.

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



- ◆ There were 138 cases of hospitalized and non-hospitalized influenza reported for Week 52 in Stark County. Last year at this time there were 42 cases. Stark County's cumulative case load remained significantly higher than the 4 year average of hospitalized and non-hospitalized reports.

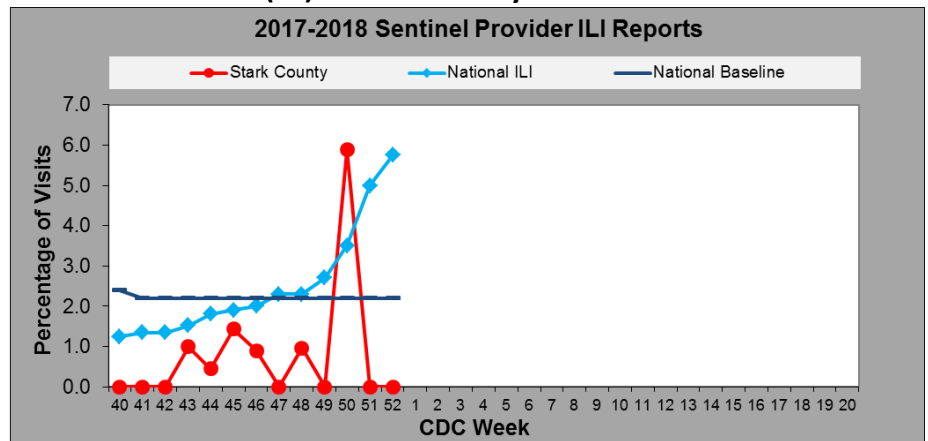
* All data presented in this weekly report are preliminary and may change as additional information is received.

* 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 330.523.9914 or josepha@starkhealth.org or Amanda Archer at 330.529.3327 or aarcher@cantonhealth.org

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

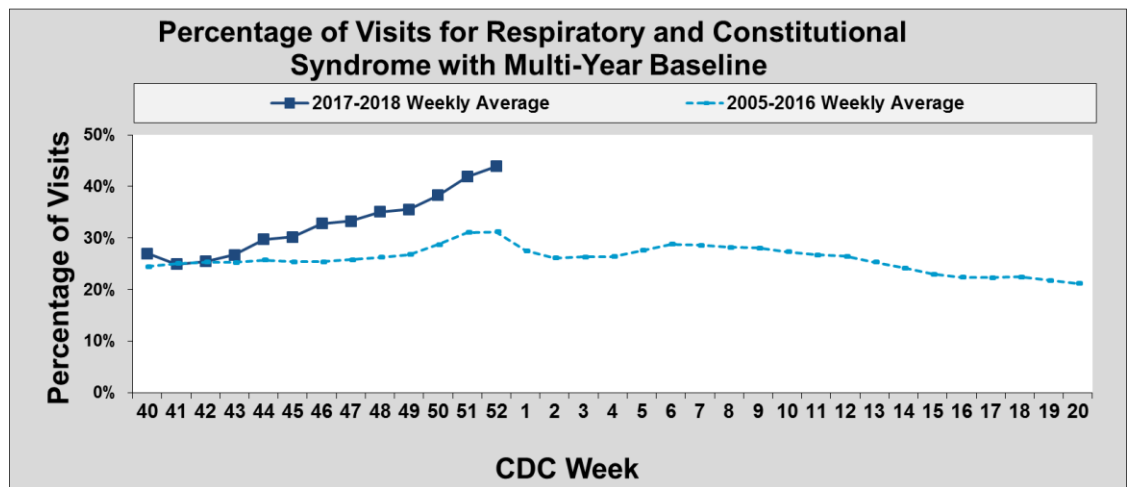
- ◆ During week 52, Stark County Sentinel Providers did not report a percentage of ILI visits. Nationally, it was reported that 5.8% of visits were for ILI, which is above the national baseline at 2.2% of visits.



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

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

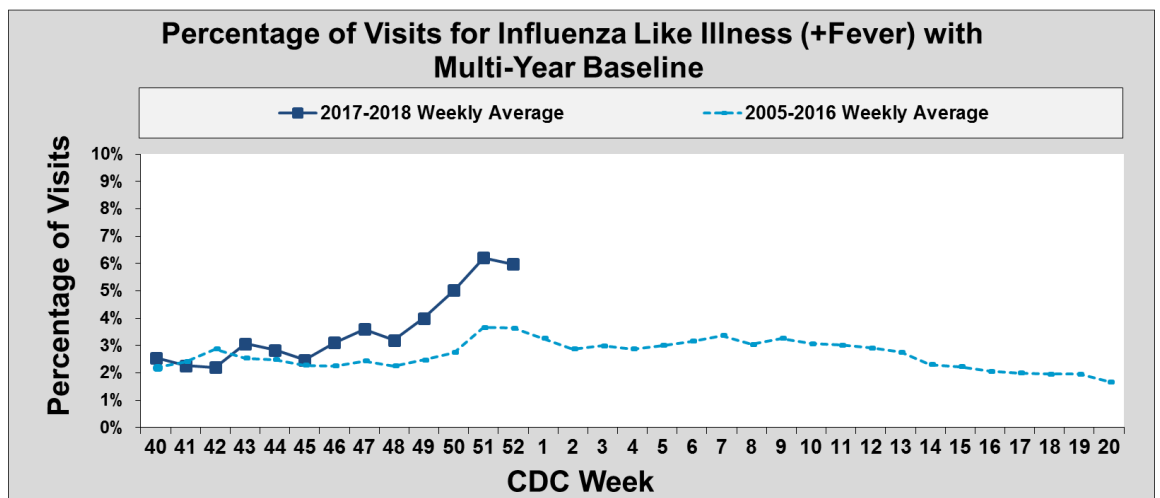
- ◆ ED and Stat Care visits for respiratory and constitutional syndrome continue to increase and continue to remain above the multi-year baseline average during week 52.



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 52 decreased slightly, but continued to remain well above the multi-year average.



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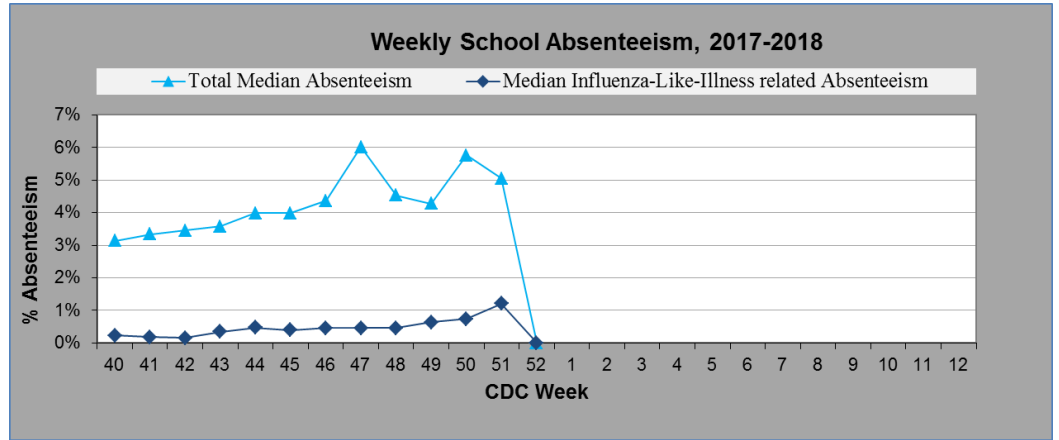
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Graph 5: Stark County School Absenteeism.

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

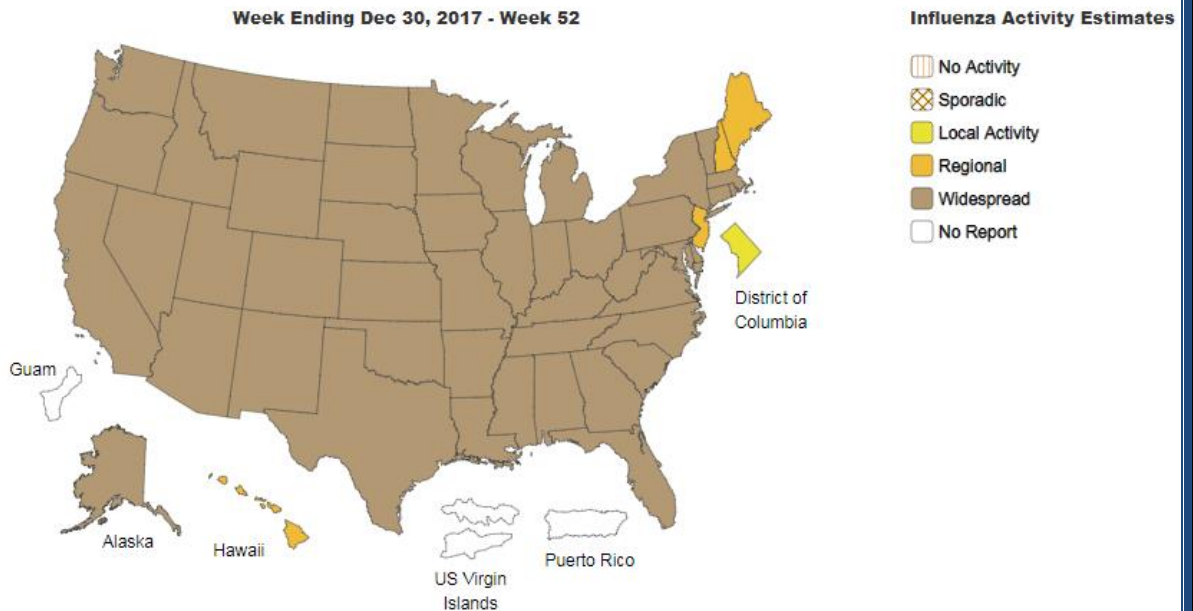
◆ Due to school closure absences were not reported during Week 52.



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 52, Ohio was designated as having widespread influenza activity, the highest measure of spread. 45 other states reported widespread activity.



Alliance City Health Department
cityofalliance.com/health



Canton City Health Department
cantonhealth.org



Massillon City Health Department
massillonohio.com/health



Stark County Health Department
starkhealth.org

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