

# Stark County's Influenza Weekly Report

## Week 17 (4/23/17-4/29/17)



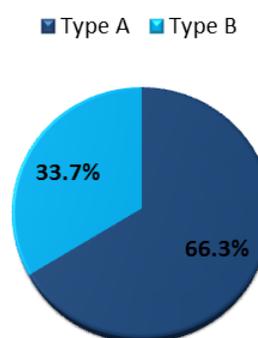
### During Week 17:

- Stark County had three additional influenza-associated hospitalizations.
- Nationally, seven influenza-associated pediatric deaths were reported, none from Stark County.

### So Far this Year:

- There have been 324 influenza-associated hospitalizations in Stark County.
  - Those hospitalized for influenza have ranged from 3 weeks to 100 years of age.
  - The median age for those hospitalized is 70 years.
- The national cumulative rate for influenza-associated hospitalizations was 63.8 per 100, 000 population.
- Up to week 17, 31,243 specimens collected nationally from public health laboratories were typed influenza A. This was 79.4% of all specimens collected. Of these, 2.8% subtyped as the 2009 H1N1 virus, 96.2% subtyped as the H3 virus, and subtyping was not performed on the rest of them.
- Nationally, 89 influenza-associated pediatric deaths were reported so far this year. Last year there was a total of 92.

**% of Specimens by Type Among Stark County Reported Influenza Cases**



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

- Nationally since October 1, 2016, 938 specimens were characterized as Influenza A.
  - There were 679 influenza A (H3N2) viruses collected and 96.0% matched the influenza A (H3N2) component in this year's vaccine. There were 259 influenza A (H1N1) viruses collected and 99.2% matched the influenza A (H1N1) component in this year's vaccine.
- Nationally since October 1, 2016, 639 specimens were characterized as Influenza B.
  - Of these, 361 subtyped from the Yamagata Lineage and 278 subtyped from the Victorian Lineage. Of these specimens, 100% of the Yamagata Lineage matched the Influenza B component of the 2016-2017 vaccine and 89.6% of the Victorian Lineage matched.

⇒ **According to the MMWR published on February 17, 2017, this year's influenza vaccine is 48% effective.** This is from data collected from November 28<sup>th</sup>, 2016 until February 4<sup>th</sup>, 2017 from a group of 3,144 children and adults. 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 almost half.

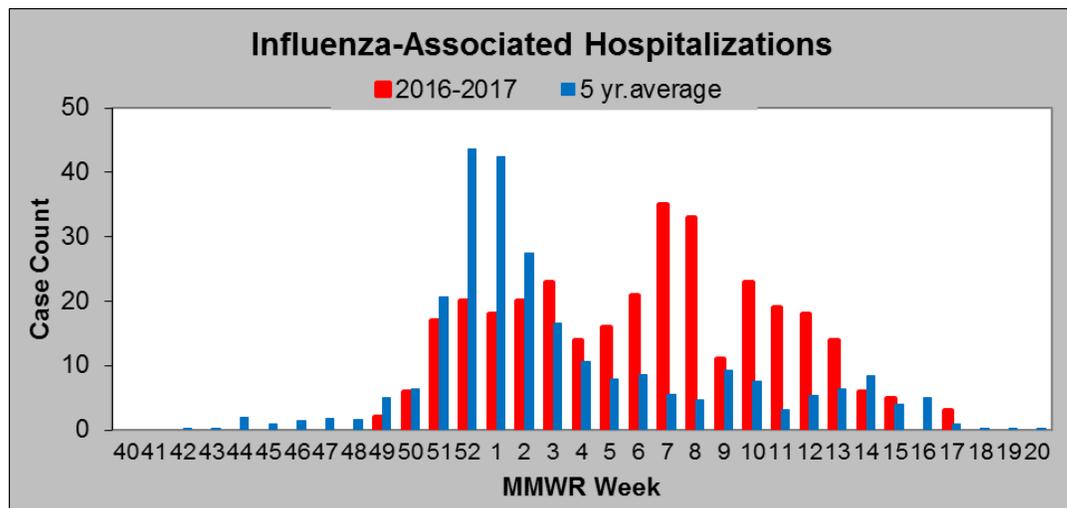
\* All data presented in this weekly report are preliminary and may change as additional information is received.

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

➢ If you have any questions please contact Julia Wagner at 330.493.9914 or [Wagnerj@starkhealth.org](mailto:Wagnerj@starkhealth.org)

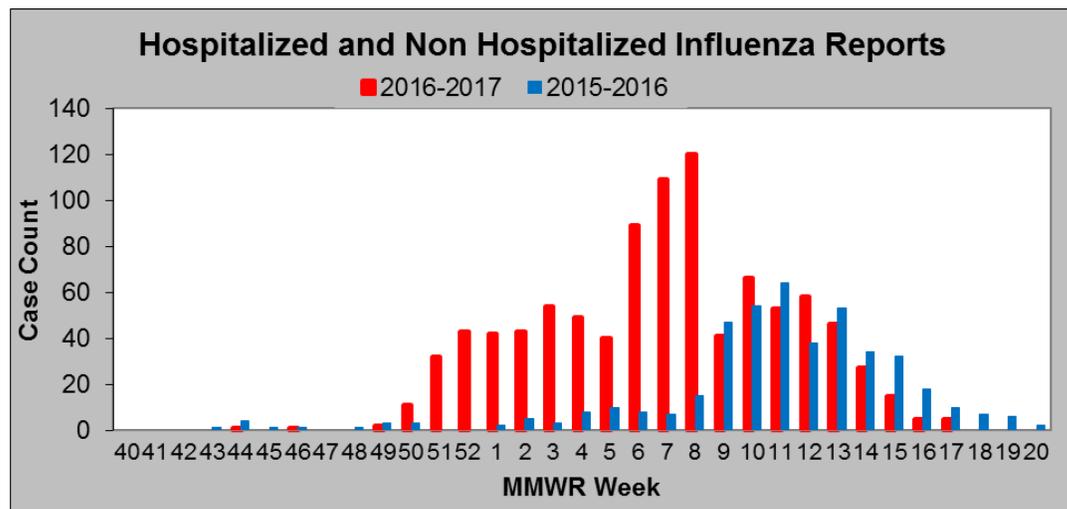
**Graph 1: Hospitalized Influenza Cases Reported to the Local Health Department.**

◆ There were three influenza-associated hospitalizations during week 17. This was above the one case occurring on average during this week. So far this year there have had a total of 324 influenza-associated hospitalizations while on average by this time there have been only almost 253 hospitalizations.



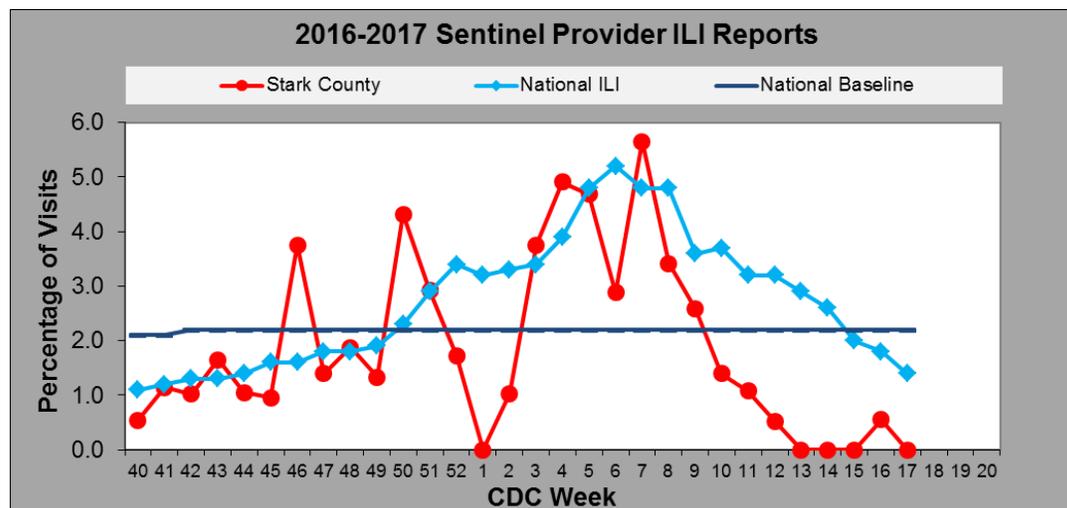
**Graph 2: Hospitalized and Non-Hospitalized Influenza Cases Reported to the Local Health Department.**

◆ There were five cases of hospitalized and non-hospitalized influenza reported for Week 17 in Stark County. Last year there were ten cases reported this week. Stark County increased to 952 cases reported so far this year compared to the 422 cases reported so far last year.



**Graph 3: Sentinel Provider Reported Influenza Like Illness (ILI) in Stark County.**

◆ During week 17 the Stark County Sentinel Providers did not report any visits for ILI. The national reports decreased once again and remained below the national baseline.



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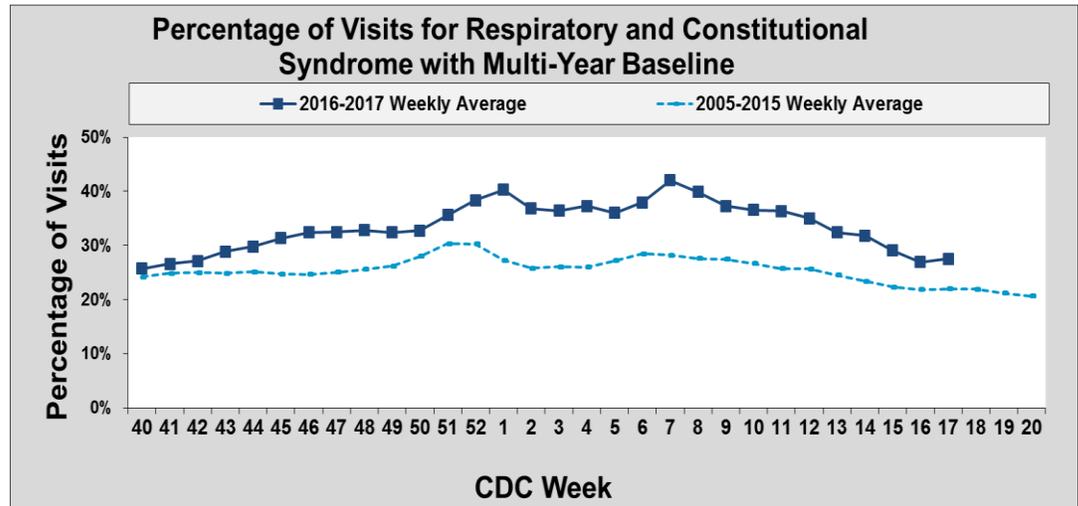
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**Graph 4: Emergency Department Visits for Respiratory and Constitutional Syndromes.**

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

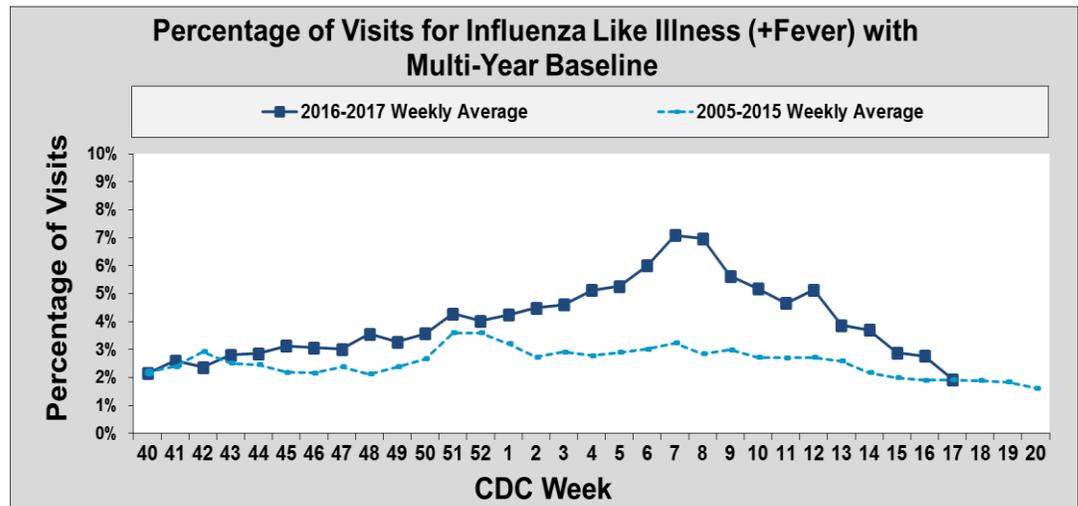
- ◆ ED and Stat Care visits for respiratory and constitutional syndrome slightly increased, and remained above the multi-year baseline average during week 17.



**Graph 5: Emergency Department (ED) Visits for Influenza Like Illness (+Fever).**

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

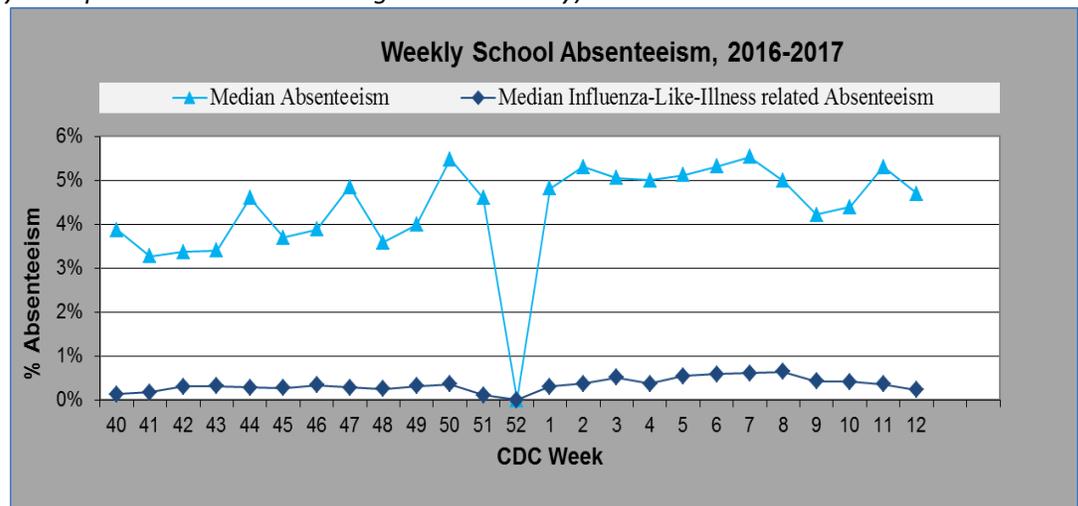
- ◆ ED and Stat Care visits for ILI + Fever for MMWR week 17 decreased for a fifth consecutive week, falling to just around the multi-year average.



**Graph 6: Stark County School Absenteeism.**

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

- ◆ School absenteeism reporting is finished for the 2016-2017 season.



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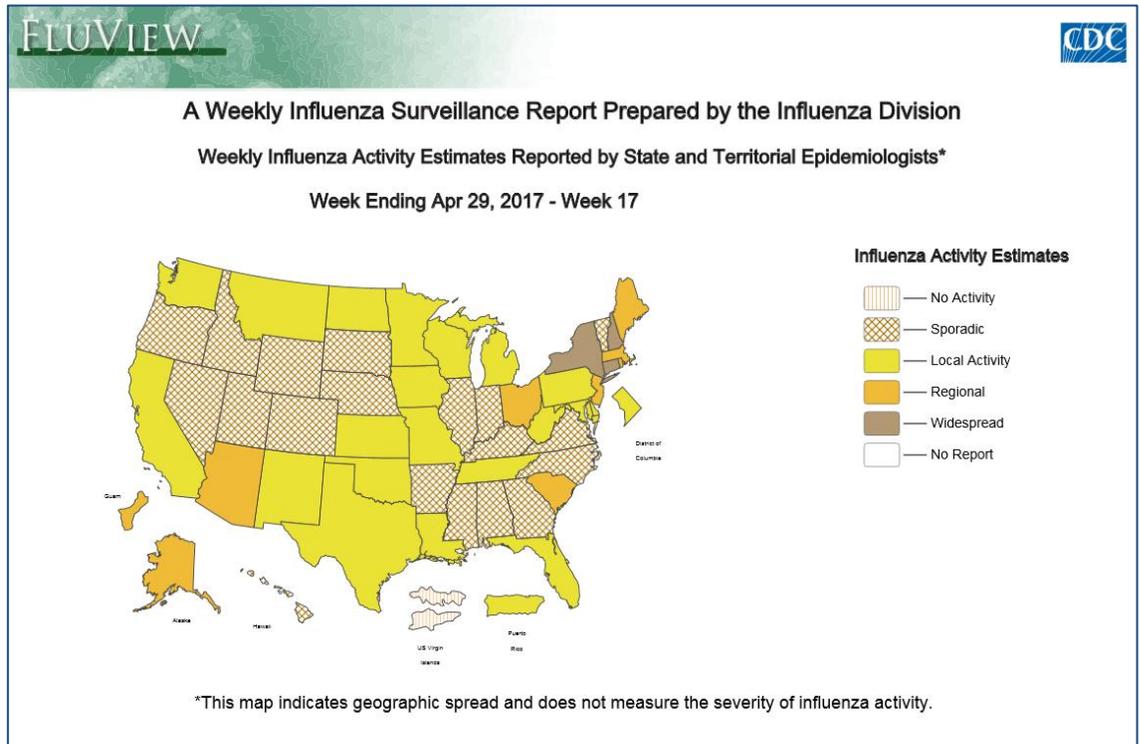
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**Map: Weekly Geographic Influenza Activity Estimates Reported by State and Territorial Epidemiologists Syndromes.**

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

- ◆ During week 17, Ohio reported regional influenza activity. There were only three states remaining at widespread influenza activity.



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