

Stark County's Influenza Weekly Report

Week 18 (4/30/17-5/6/17)

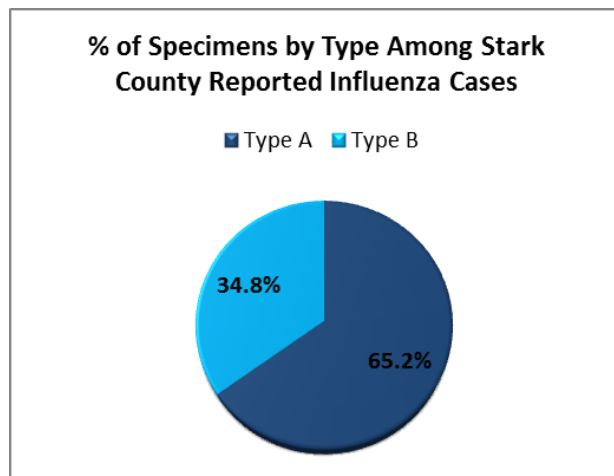


During Week 18:

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

So Far this Year:

- There have been 322 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 64.3 per 100, 000 population.
- Up to week 18, 31,424 specimens collected nationally from public health laboratories were typed influenza A. This was 78.9% 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, 91 influenza-associated pediatric deaths were reported so far this year. Last year there was a total of 92.



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

- Nationally since October 1, 2016, 1,003 specimens were characterized as Influenza A.
 - There were 727 influenza A (H3N2) viruses collected and 95.6% matched the influenza A (H3N2) component in this year's vaccine. There were 276 influenza A (H1N1) viruses collected and 99.3% matched the influenza A (H1N1) component in this year's vaccine.
- Nationally since October 1, 2016, 649 specimens were characterized as Influenza B.
 - Of these, 362 subtyped from the Yamagata Lineage and 287 subtyped from the Victorian Lineage. Of these specimens, 100% of the Yamagata Lineage matched the Influenza B component of the 2016-2017 vaccine and 87.8% 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 28th, 2016 until February 4th, 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.

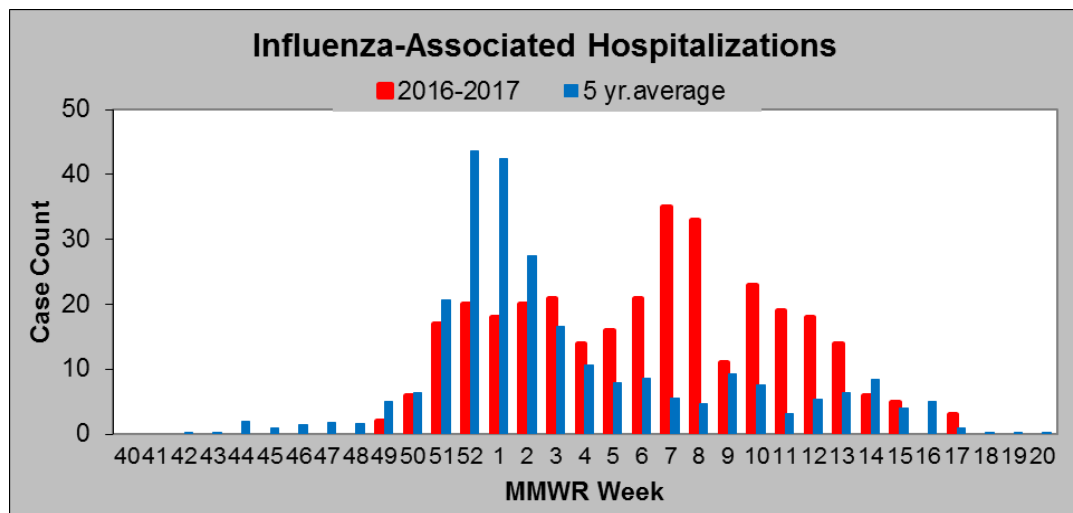
* All data presented in this weekly report are preliminary and may change as additional information is received.

* 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

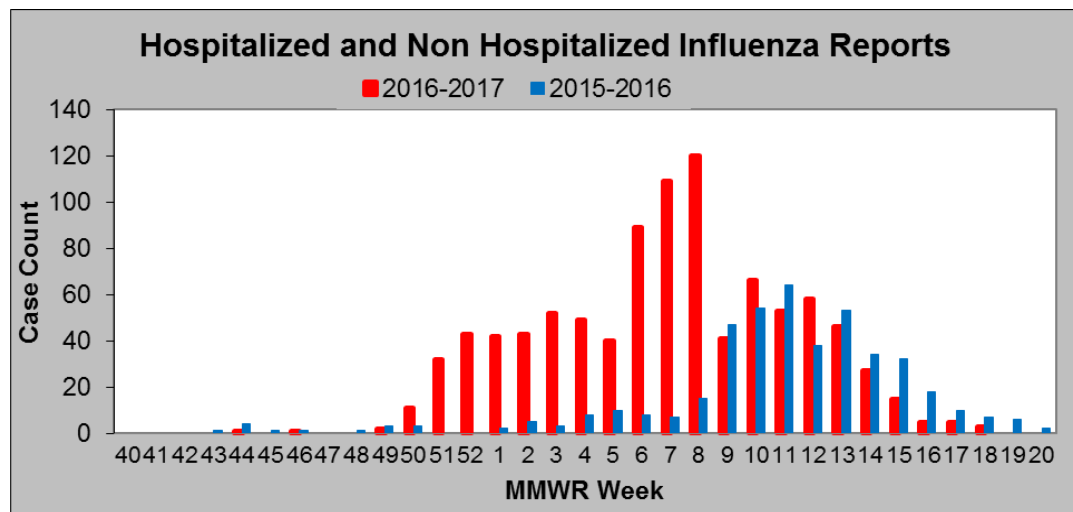
Graph 1: Hospitalized Influenza Cases Reported to the Local Health Department.

- ◆ There were zero influenza-associated hospitalizations during week 18. This was below the week's average for the past five years. So far this year there have had a total of 322 influenza-associated hospitalizations while on average by this time there have been only almost 251 hospitalizations.



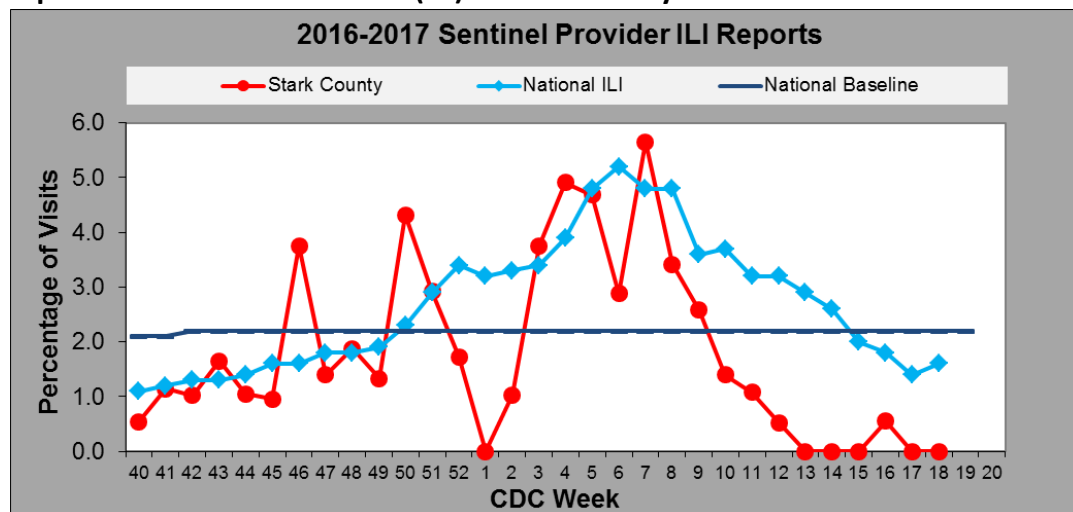
Graph 2: Hospitalized and Non-Hospitalized Influenza Cases Reported to the Local Health Department.

- ◆ There were three cases of hospitalized and non-hospitalized influenza reported for Week 18 in Stark County. Last year there were seven cases reported this week. Stark County increased to 953 cases reported so far this year compared to the 429 cases reported so far last year.



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

- ◆ During week 18 the Stark County Sentinel Providers did not report any visits for ILI. The national reports increased slightly, but remained below the national baseline.



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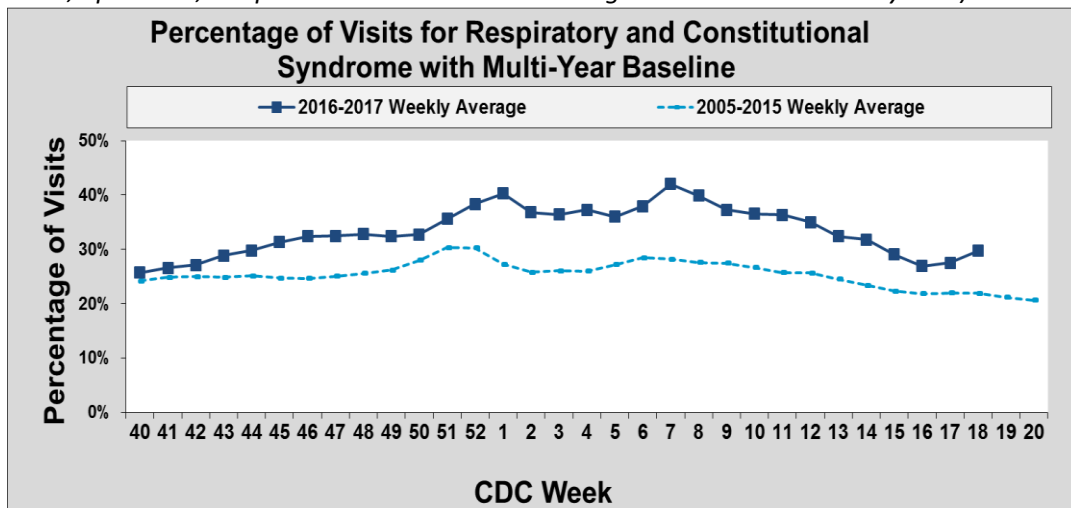
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Graph 4: Emergency Department Visits for Respiratory and Constitutional Syndromes.

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

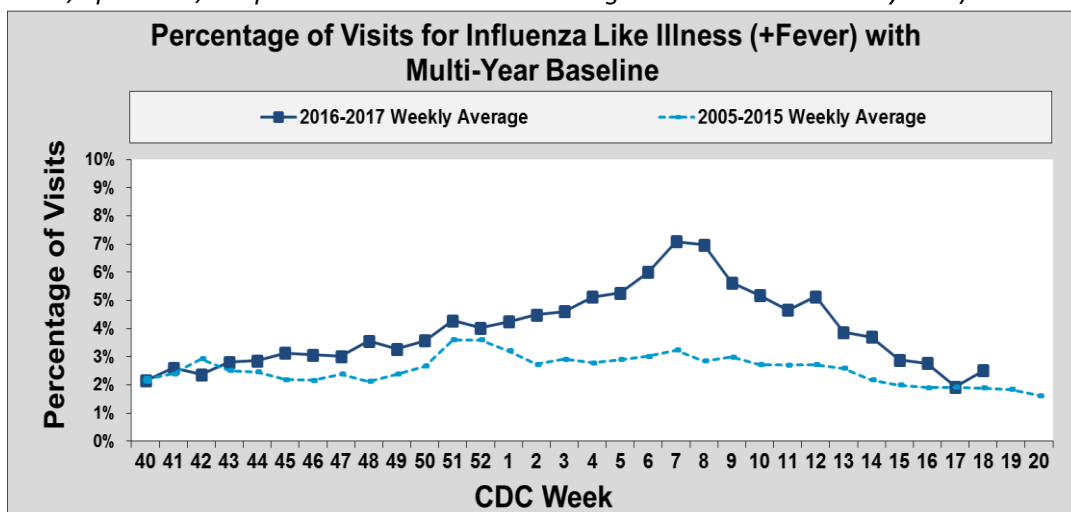
- ◆ ED and Stat Care visits for respiratory and constitutional syndrome slightly increased, and remained above the multi-year baseline average during week 18.



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

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

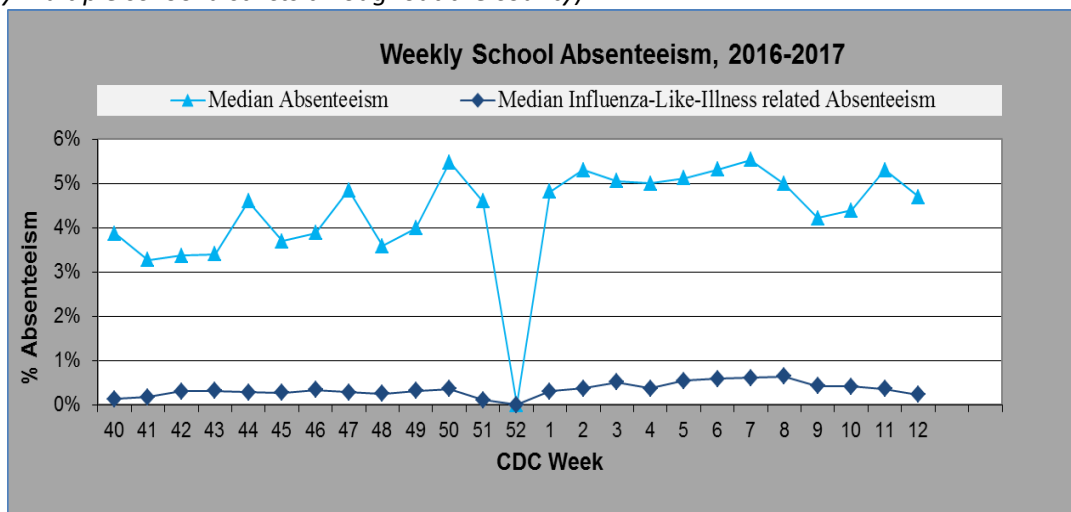
- ◆ ED and Stat Care visits for ILI + Fever for MMWR week 18 increased, and rose above the multi-year average.



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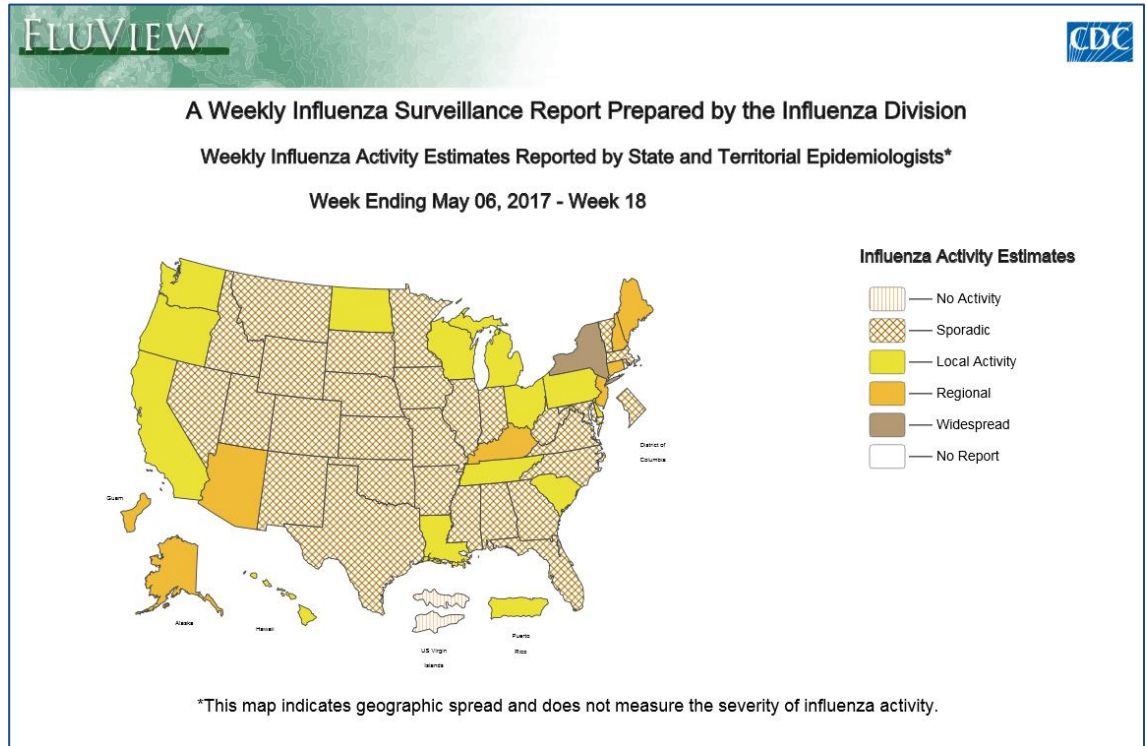
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Map: Weekly Geographic Influenza Activity Estimates Reported by State and Territorial Epidemiologists Syndromes.

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

- ◆ During week 18, Ohio reported local influenza activity. There was only one state remaining at widespread influenza activity.



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