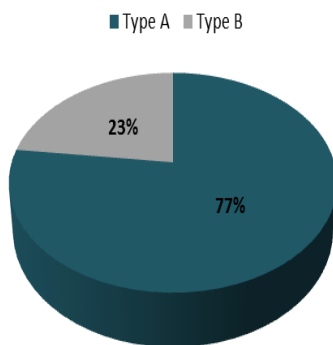


Stark County's Influenza Weekly Report

Week 50 (12/13/15-12/19/15)

Influenza In Stark County by Type (2015-2016)



Eleven Weeks into the Season

- During week 50 Stark County had zero influenza-associated hospitalizations. The total remained at four influenza-associated hospitalizations.
- In Stark County, 50% of influenza-hospitalizations were 65 years of age or older.
- The national cumulative rate for laboratory-confirmed influenza-associated hospitalizations per 100,000 population is still not available yet this season.
- So far this year, 538 influenza A specimens were collected and tested by public health laboratories, 25.5% subtyped as the 2009 H1N1 virus, 67.8% subtyped as the H3 virus, and the rest were not subtyped.

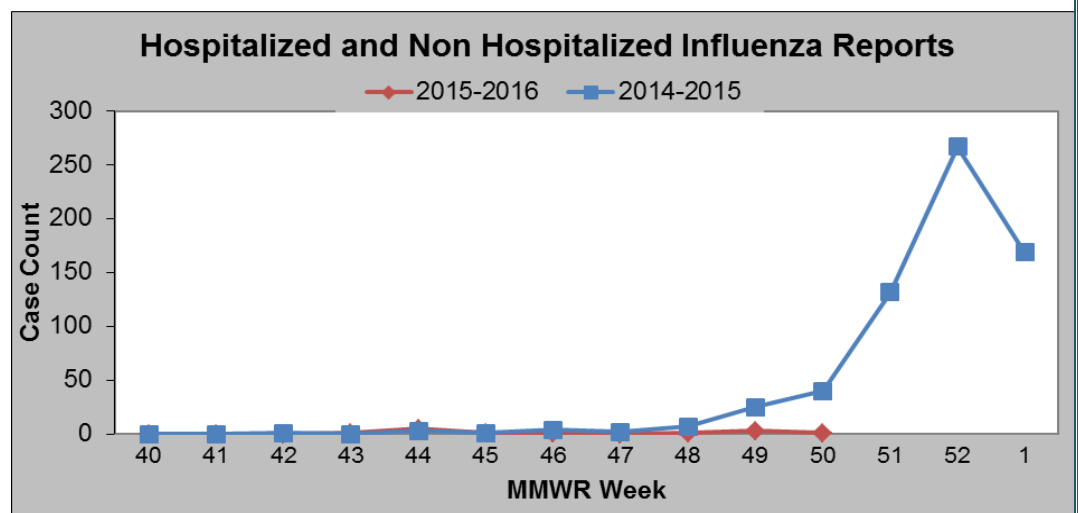
- Nationally, 105 of the influenza A (H3N2) viruses collected

were antigenetically characterized since October 1, 2015. Of those characterized, none were drifted (significantly different) that this year's influenza vaccine.

- Since October 1, 2015, 16 specimens have been characterized nationally as Influenza B. Nine were subtyped from the Yamagata Lineage leaving seven subtyped from the Victorian Lineage.
- During week 50, National Pneumonia and Influenza (I&P) Mortality Surveillance of all deaths reported through the 122 Cities Mortality Reporting System as due to I&P was at 6.3%. This is below the 6.8% epidemic threshold.
- Nationally, one influenza-associated pediatric deaths were reported during week 50. There have been four pediatric deaths so far this season.

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

- ◆ During week 50 there was one report of hospitalized and non-hospitalized influenza. This week last year had 40 reports.
- ◆ This year's reports total at 13 cases. The total number of reports for this week last year was 83.

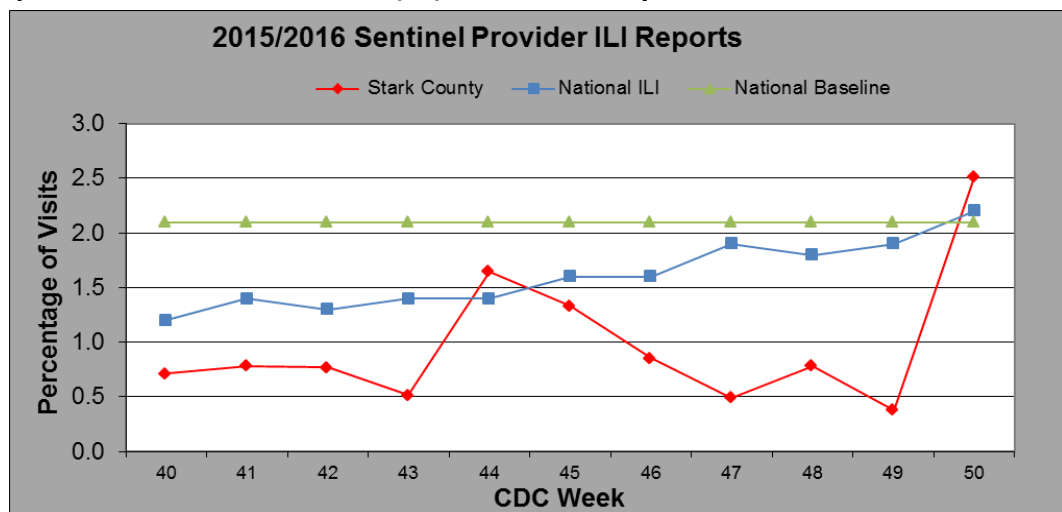


* All data presented in this weekly report are preliminary and may change as additional information is received.

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

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

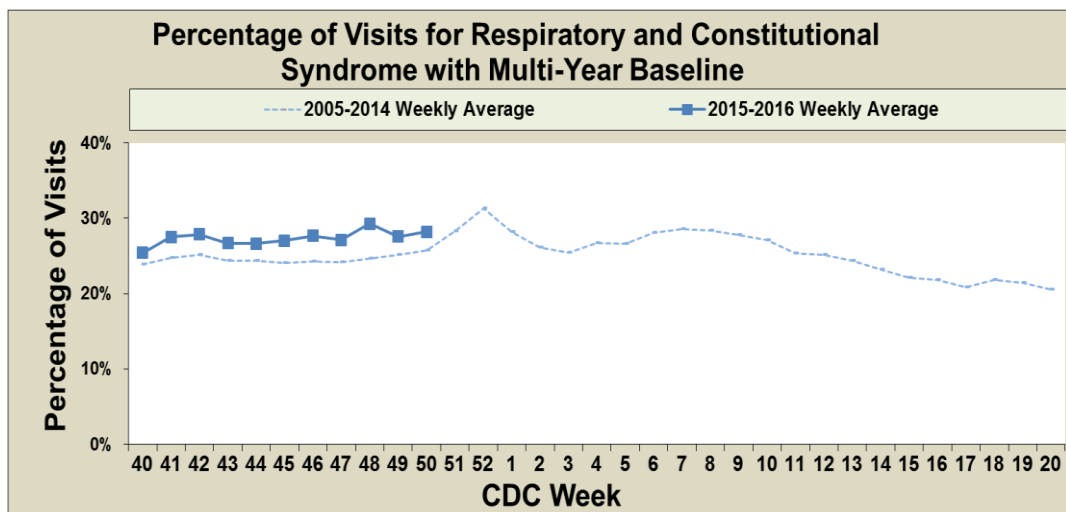
- ◆ Sentinel provider influenza-like illness (ILI) reports both nationally and for Stark County increased during week 50 and rose above the national baseline.



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

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

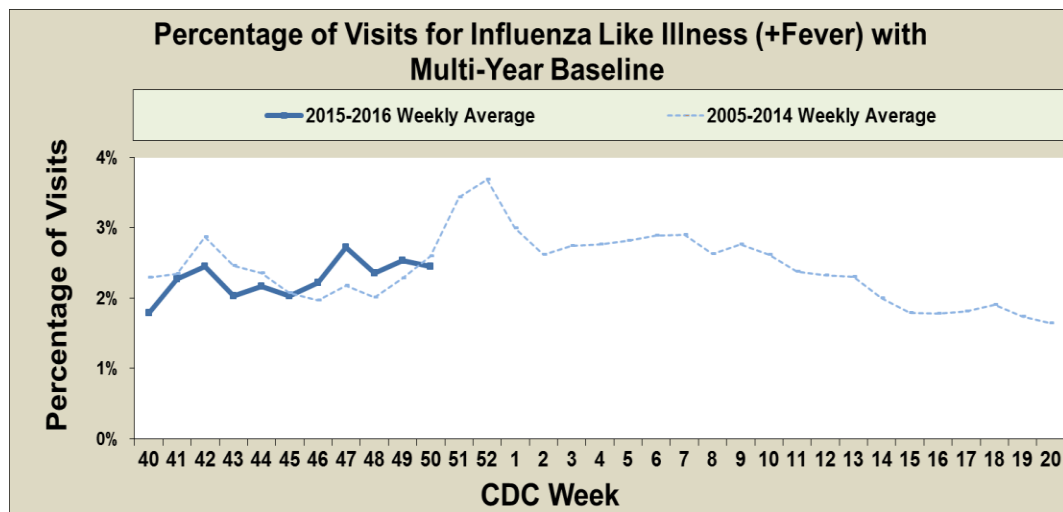
- ◆ ED and Stat Care visits for respiratory and constitutional syndrome slightly increased, and remained above the multi-year baseline during week 50.



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 decreased slightly during week 50 and moved below the multi-year baseline.



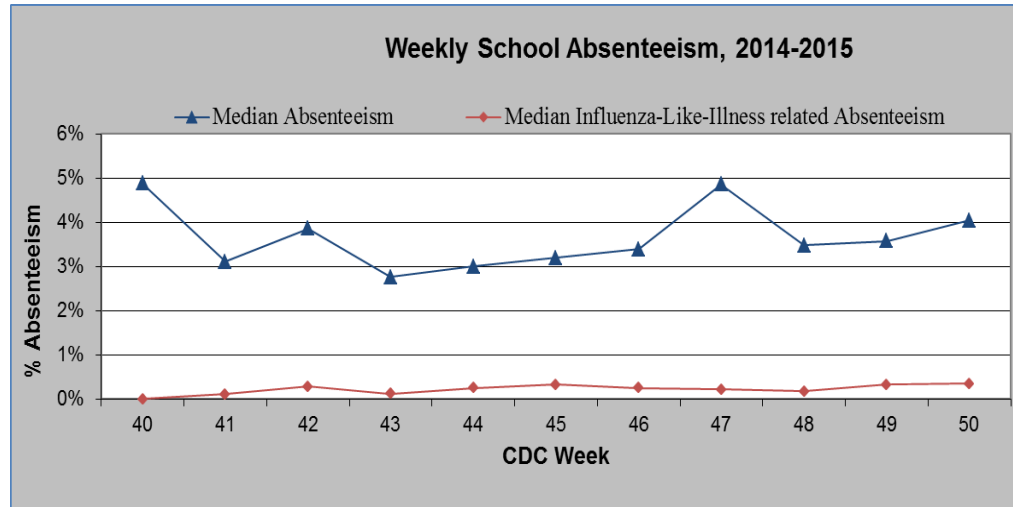
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Graph 5: Stark County School Absenteeism.

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

◆ Both the median absenteeism for influenza-like-illness and overall median absenteeism increased slightly during week 50. The median absenteeism for influenza-like-illness remained below 1%.



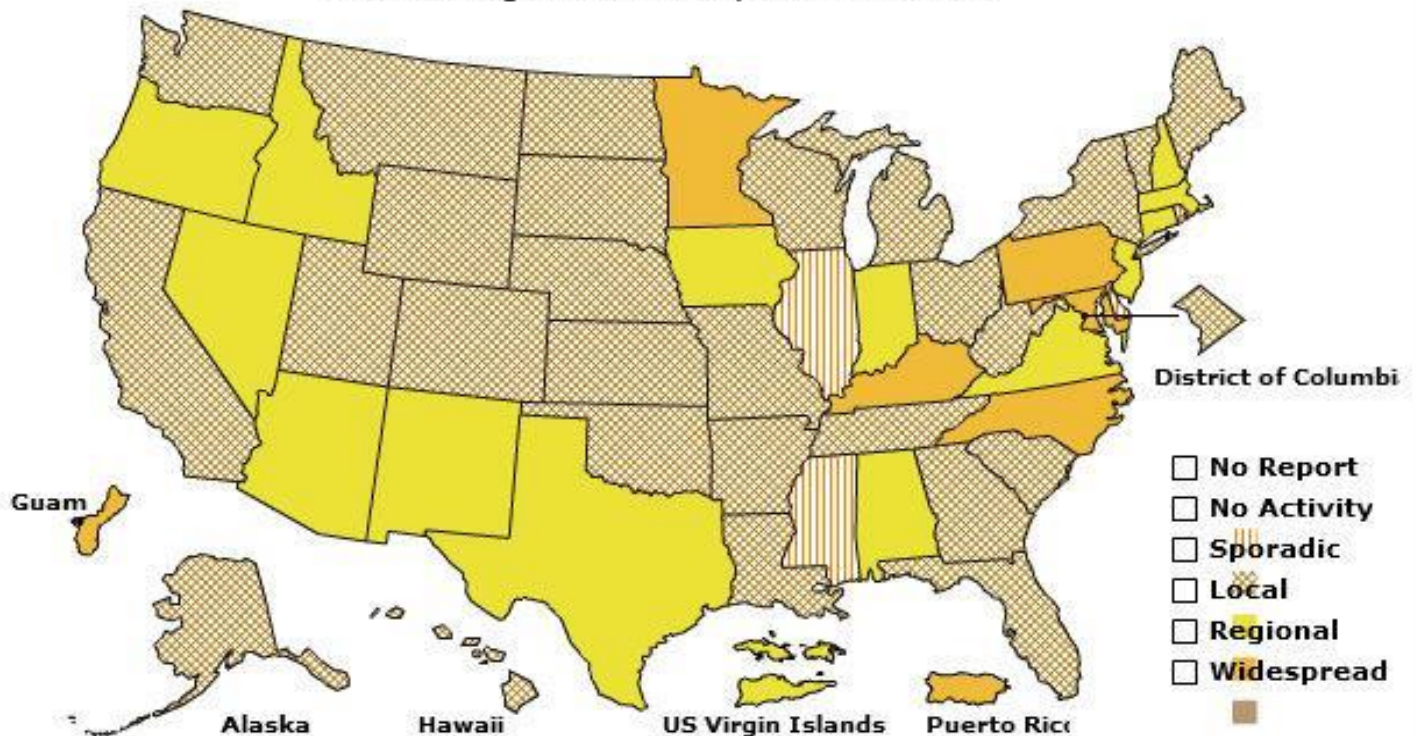
Map: Weekly Geographic Influenza Activity Estimates Reported by State and Territorial Epidemiologists Syndromes.

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

◆ During week 50, Ohio continued to have sporadic influenza activity. Four states reported no influenza activity.

**A Weekly Influenza Surveillance Report Prepared by the Influenza Division
Weekly Influenza Activity Estimates Reported by State and Territorial Epidemiologists***

Week Ending December 19, 2015- Week 50



*This map indicates geographic spread and does not measure the severity of influenza activity.

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