



Public Health
Prevent. Promote. Protect.

Mahoning County District Board of Health

Influenza Summary

June 5, 2017

2016-2017 Influenza Season Surveillance Summary FINAL REPORT

The Mahoning County District Board of Health, in conjunction with Youngstown City Health District, will collect influenza surveillance data from September through May.

ODH Final Report Week 20

Summary: During MMWR Week 20, Ohio public health surveillance data sources indicate decreased activity for influenza-like illness (ILI) in outpatient settings reported by Ohio's Sentinel ILINet providers, Athena health medical claims data and most other data sources. The percentage of emergency department (ED) visits with patients exhibiting constitutional symptoms and fever/ILI specified ED visits decreased and are below baseline levels overall. Weekly Influenza-associated hospitalization numbers decreased and are below the *seasonal threshold. There were 19 influenza-associated hospitalizations and during MMWR Week 20.

Current Ohio Activity Level -Local: *Definition: Increased ILI in 1 region; ILI activity in other regions is not increased AND recent (within the past 3 weeks) lab evidence of influenza in region with increased ILI, OR 2 or more institutional outbreaks (ILI or lab confirmed) in 1 region; ILI activity in other regions is not increased AND recent (within the past 3 weeks) lab evidence of influenza in region with the outbreaks; virus activity is no greater than sporadic in other regions.*

State Surveillance Data:

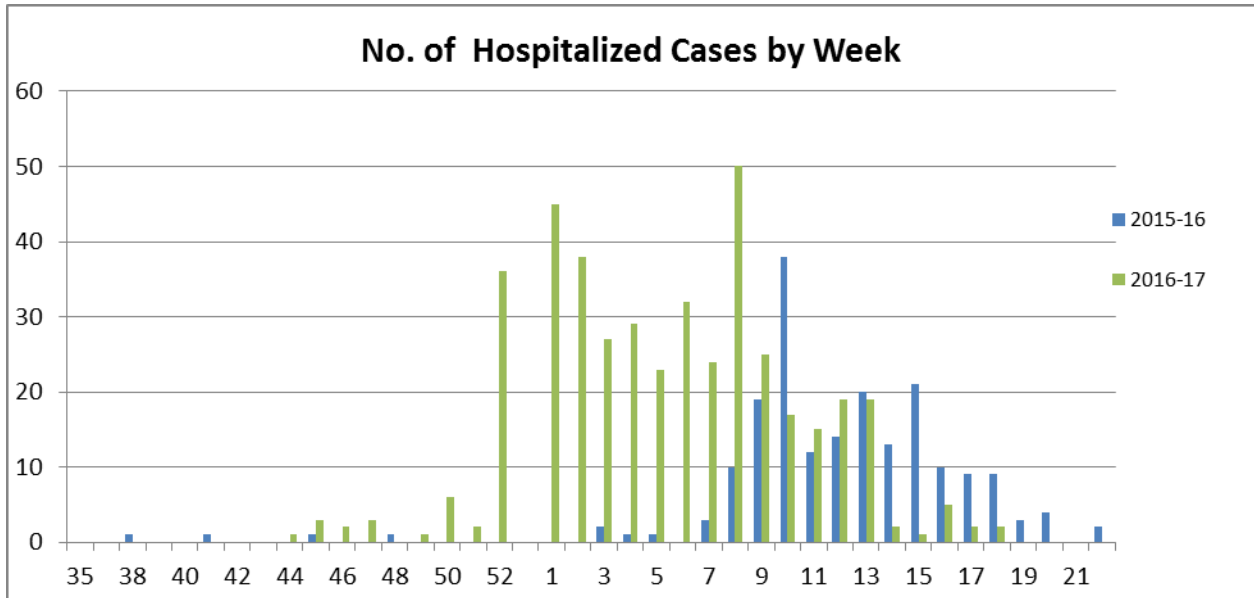
- ODH lab has reported 1264 influenza tests from specimens sent from various submitters.
- 2016-2017 influenza season positive results: (6) A/pdmH1N1; (760) A/H3N2; (260) Influenza B; (through 5/20/2017).
- The National Respiratory and Enteric Virus Surveillance System (NREVSS) has reported 60,461 influenza tests performed at participating facilities. 2016-2017 influenza season positive results: (5) H1N1, (653) A/H3N2, (4,201) Flu A Not Subtyped, and (3,731) Flu B (through 5/20/2017).
- 7 influenza-associated pediatric mortalities have been reported during the 2016-2017 season (through 5/20/2017).
- No novel influenza A virus infections have been reported during the 2016-2017 season (through 5/20/2017).
- Incidence of confirmed influenza-associated hospitalizations in 2016-2017 season = 8661 (through 5/20/2017).

Local Surveillance:

- **Physician Offices:** Physician offices have been testing for influenza
Total: 146 positive cases (25% of tests performed were positive)
63% Influenza A and 37% Influenza B

* Not required to report testing: These are sentinel sites in the county who voluntarily report their tests.

Hospitalized cases: Total reported 427 cases (362 Influenza A & 65 Influenza B)

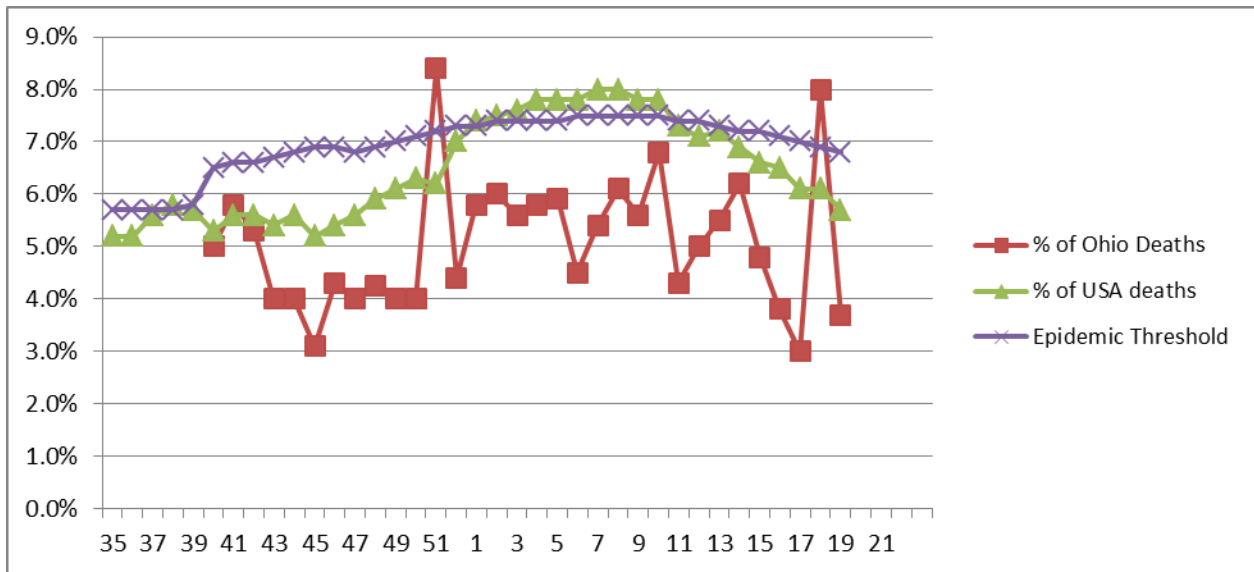


Pneumonia and Influenza (P&I) Deaths 2016-2017 Flu Season

Each week, the CDC Morbidity and Mortality Weekly report (MMWR) reports the total number of death certificates filed and the number of those for which pneumonia or influenza was listed as the underlying or as a contributing cause of death from the vital statistics offices of 122 cities. **CDC is no longer reporting local city data, only by state so we will be reporting Ohio P & I deaths instead of Youngstown data**

MMWR Week 19: 2017:

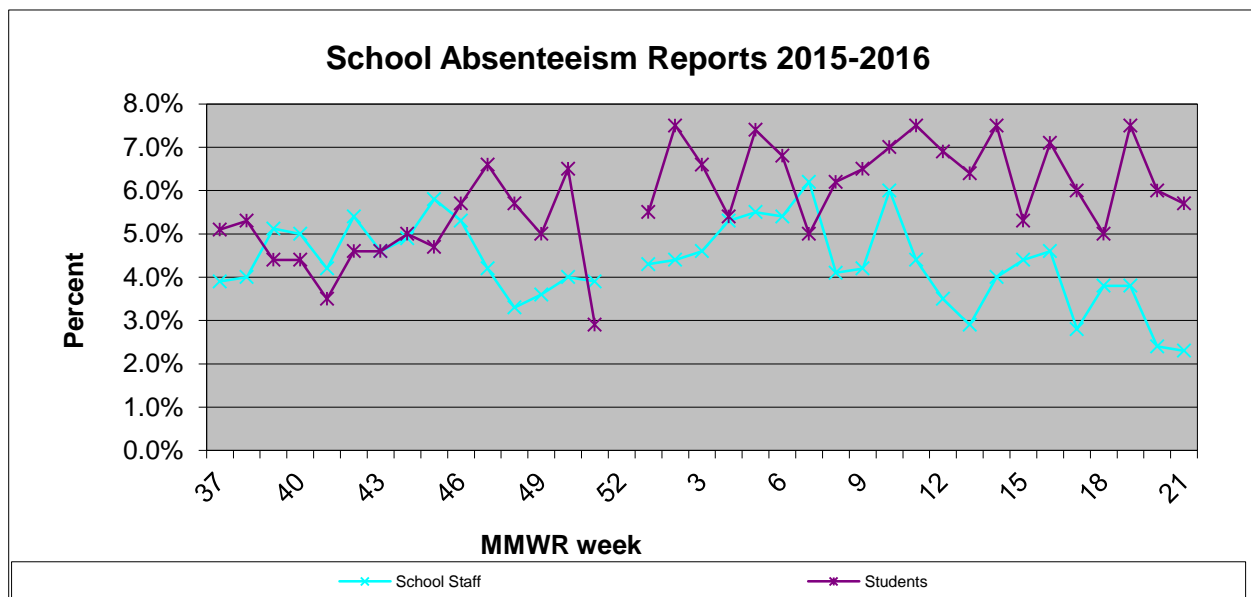
- Ohio mortality due to P & I was 3.7%
- United States mortality due to P & I was 5.7%
- National Epidemic Threshold of 6.8%.



Absentee Data from sentinel Mahoning County Schools, Daycares, and Long Term Care Centers: (Final):

Absenteeism in schools reflects the sum of the average daily absences for the week from all the reporting schools (currently 21 out of 79 schools report) divided by the sum of the reported student population in these schools for the week. (This will help provide a more accurate number of absences during the shortened school weeks of the holidays)

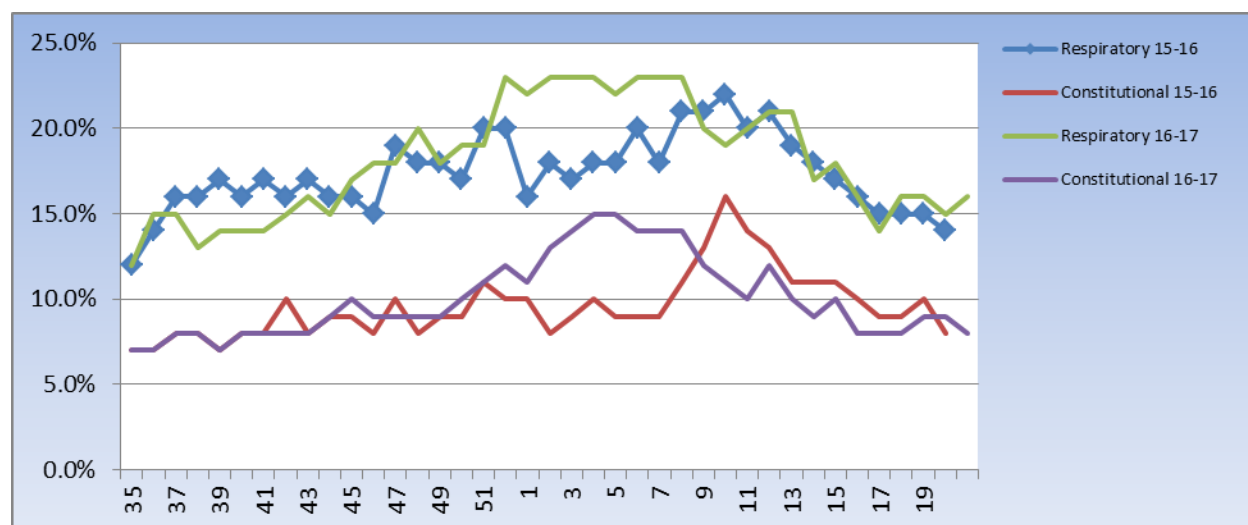
- **School absences:** (Total absences for week vs. population of school: could mean one child absent on multiple days)



All Schools, and Daycare Centers in Mahoning County were asked to participate as sentinel sites and report their daily absentee data and influenza like illness. *NOTE*: Numbers change as updated reports are received.*

Emergency Department Visits:

There are three hospital systems in Mahoning County who report electronically all ED visits into the Epicenter system. *Report: Constitutional Syndrome: Non-localized, systemic problems including fever, chills, body aches, fatigue and Respiratory Syndrome*



Any questions regarding this information please contact Susan Kovach at the Mahoning County District Board of Health at 330-270-2855 x 132.