



**Public Health**  
Prevent. Promote. Protect.

# Mahoning County District Board of Health

Influenza Summary

April 9, 2018

## 2017-2018 Influenza Season Surveillance Summary

**Week 13/2018: March 25, 2018-March 31, 2018**

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

**Summary:** During MMWR Week 13, public health surveillance data sources indicate decreased influenza-like illness (ILI) activity in outpatient settings reported by Ohio's sentinel ILINet providers. Outpatient medical claims related to influenza-like illness decreased slightly during MMWR Week 13. The percentage of emergency department visits with patients exhibiting constitutional symptoms and ILI specified ED visits decreased slightly as well. Reported cases of influenza-associated hospitalizations are above the seasonal threshold\*. There were 539 influenza associated hospitalizations reported.

**Current Ohio Activity Level: *Widespread:*** *Definition: Increased ILI in at least half of the regions AND recent (within the past 3 weeks) lab confirmed influenza in the state*

### State Surveillance Data:

- ODH lab has reported 1172 influenza tests from specimens sent from various submitters. 2017-2018 influenza season positive results: (683) A/H3N2; (103) A/pdmH1N1; (150) Influenza B; (through 03/31/2018).
- The National Respiratory and Enteric Virus Surveillance System (NREVSS) has reported 69,483 influenza tests performed at participating facilities. 2017-2018 influenza season positive results: (184) H1N1, (618) A/H3N2, (10,915) Flu A Not Subtyped, and (3579) Flu B (through 03/31/2018).
- 4 pediatric influenza-associated mortalities have been reported during the 2017-2018 season (through 03/31/2018).
- No novel influenza A virus infections have been reported during the 2017-2018 season (through 03/31/2018).
- Incidence of confirmed influenza-associated hospitalizations in 2017-2018 season = 15,684\* (through 03/31/2018)

**Local Surveillance: (Week 13/2018)** Constitutional and Respiratory illness have begun to decrease in emergency room visits this week. The influenza associated hospitalizations had a slight increase again, mainly with Influenza B in Week 13 and continuing into Week 14.

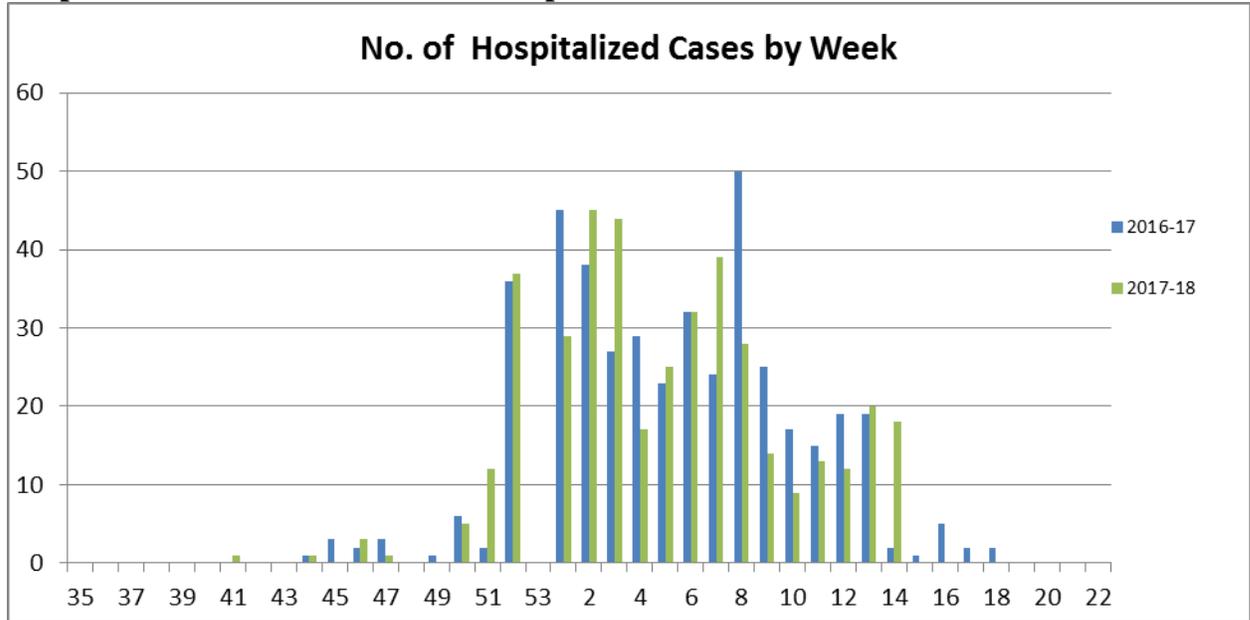
- **Physician Offices:** Physicians' offices testing for influenza\*
  - Week 13: **8%** of the rapid tests completed were positive (1 physician reported) and **100%** of those tests were positive for Influenza B

\*Physician office reporting is voluntary

**Hospitalized cases: Four hundred and five (405)** hospitalized cases have been reported through **4/6/2018**. Three hundred and four (304) are Influenza A and one hundred and one (101) are Influenza B. Thirty one (31) are children under the age of 18.

- Week 13: 20 hospitalized cases
- Week 14: 18 hospitalized cases as of 4/6/2018

**Hospitalized cases for 17-18 season compared to 16-17 season.**

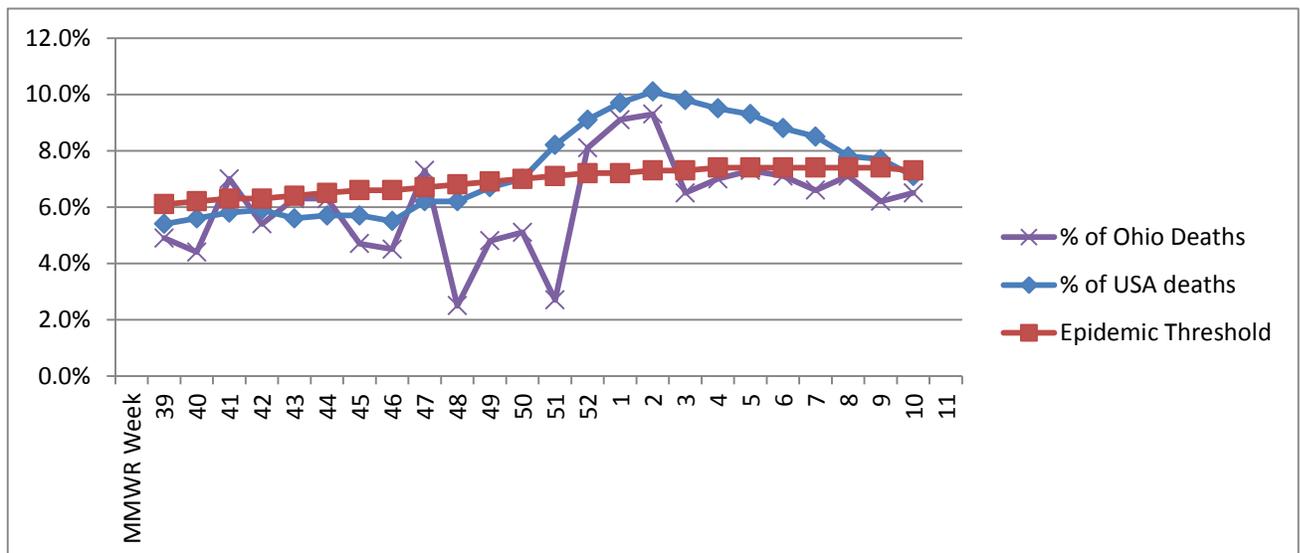


**Pneumonia and Influenza (P&I) Deaths 2016-2017 Flu Season**

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 11/2018**

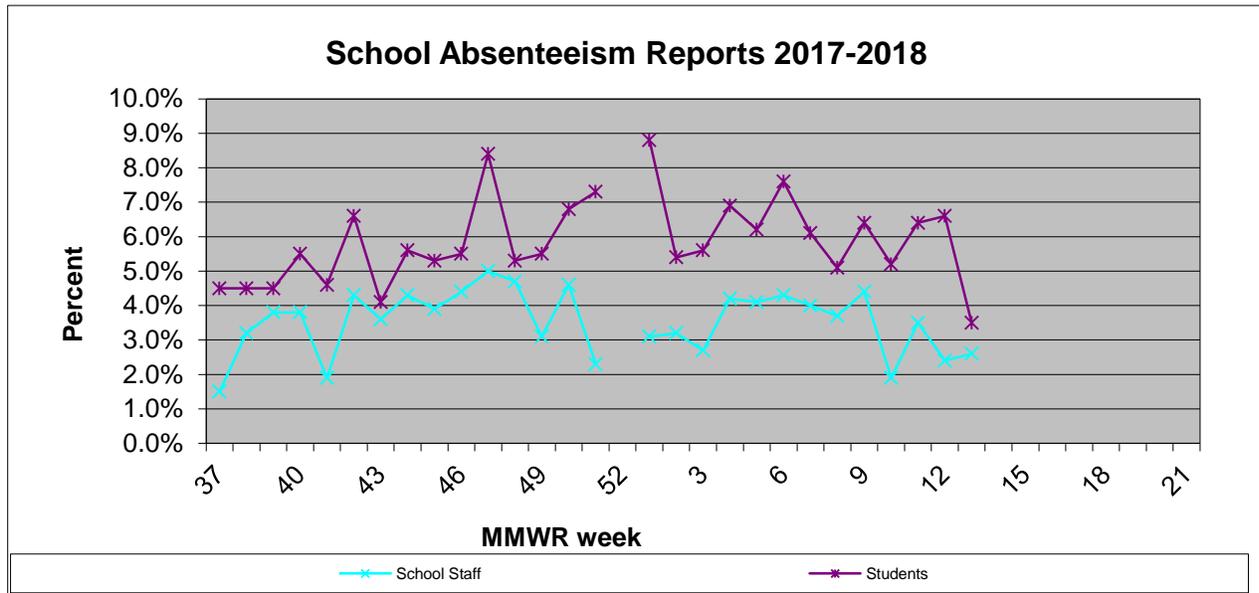
- Ohio mortality due to P & I was 6.5%
- United States mortality due to P & I was 7.1%
- National Epidemic Threshold of 7.3%.



**Absentee Data from sentinel Mahoning County Schools, Daycares, and Long Term Care Centers: (Week 13/2018): Week 52 all schools were closed**

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)

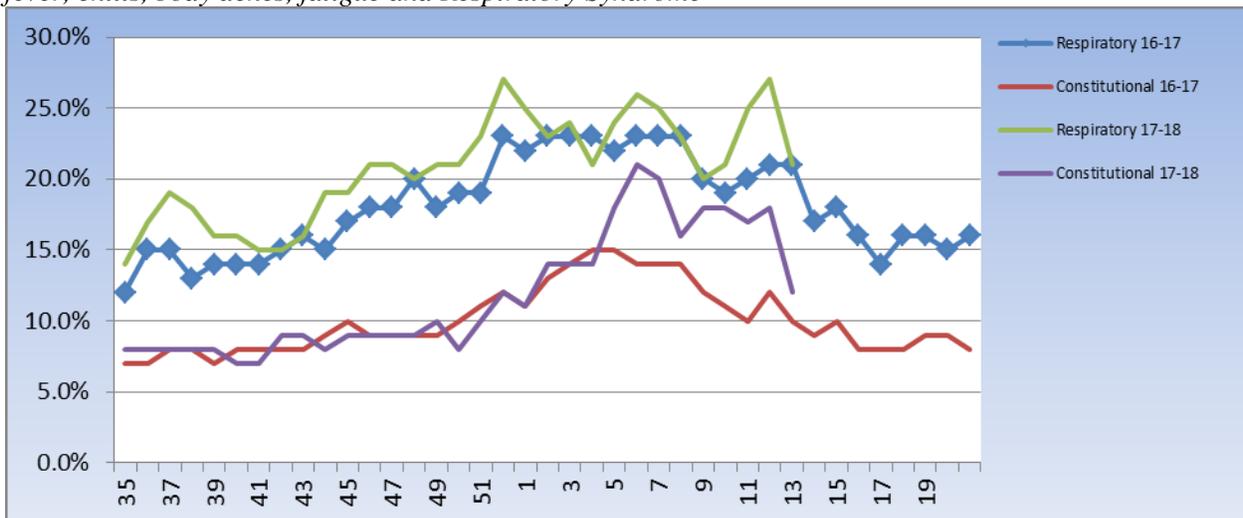
- **School absences:** (Total absences for week vs. population of school: could mean one child absent on multiple days) Week 13/2018
  - **Students: 3.5%**
  - **Staff: 2.6%**



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.