

Toledo-Lucas County Health Department Seasonal Influenza Activity Summary

MMWR Week 11 March 12-18, 2017

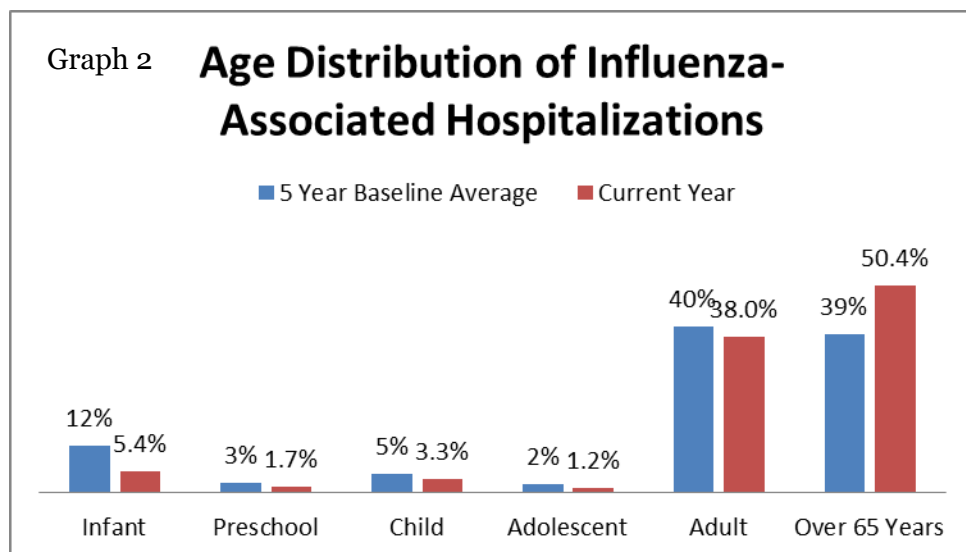
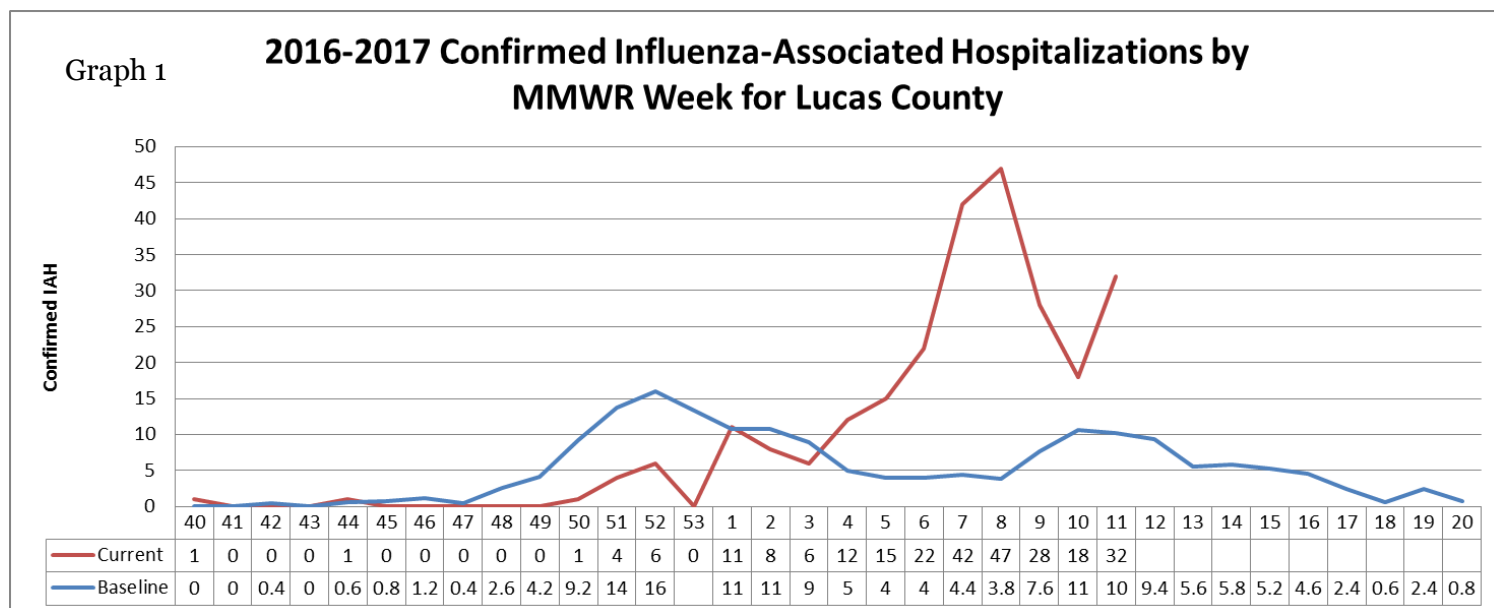
Local Surveillance:

Current Influenza Activity Levels:

- Lucas County had **32** confirmed Influenza-associated Hospitalizations (IAH) reported, bringing the total to **254** as of March 18, 2017.
- Gender Distribution of Cases:* 60% female, 40% male

Lucas County accounts for 3.9 % of the Influenza Associated Hospitalizations reported in Ohio.

Graph 1 illustrates the current confirmed Influenza-associated Hospitalizations compared to baseline, which is a five year average.



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WESTERN CLINIC SITE

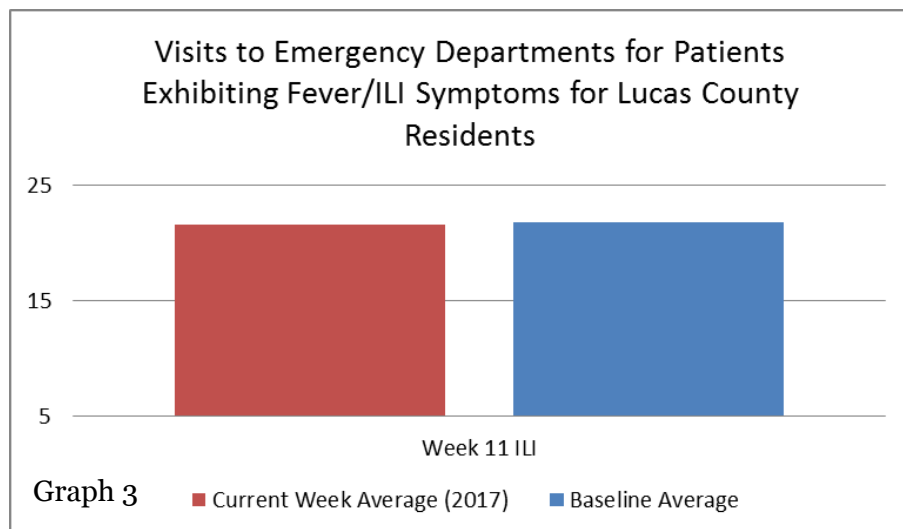
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ILI (Influenza-Like Illness) is defined as a *fever greater than or equal to 100 degrees F AND a cough or sore throat*. (Graph 3)



Summary of State Data:

Ohio Surveillance: Current Ohio Activity Level (Geographic Spread) – **Widespread**

Definition: Increased ILI in at least half of the regions AND recent (within the past 3 weeks) lab confirmed influenza in the state.

During MMWR Week 11, Ohio public health surveillance data sources indicate *decreasing* 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 and influenza like illness specified ED visits *decreased* but are above baseline levels. Weekly influenza-associated hospitalization numbers have been above the seasonal threshold for several weeks. There were 477 influenza-associated hospitalizations reported during MMWR Week 11.

The ODH lab has reported 1028 influenza tests from specimens sent from various submitters. 2016-2017 influenza season positive results: (4) A/pdmH1N1; (663) A/H3N2; (163) Influenza B; (through 03/18/2017).

- The National Respiratory and Enteric Virus Surveillance System (NREVSS) has reported 44,784 influenza tests performed at participating facilities. 2016-2017 influenza season positive results: (5) H1N1, (516) A/H3N2, (3470) Flu A Not Subtyped, and (2157) Flu B (through 3/18/2017).
- 5 Ohio influenza-associated pediatric mortalities have been reported during the 2016-2017 season (through 3/18/2017).
- No novel influenza A virus infections have been reported during the 2016-2017 season (through 3/18/2017).
- Incidence of confirmed influenza-associated hospitalizations in 2016-2017 season = 6,212 (through 3/18/2017).

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Regional Surveillance*:

During week 10 (March 5th – March 11th, 2017), the proportion of outpatient visits for influenza like illness in Region 5 (Ohio is in Region 5) was 3.2%, which is above the regional baseline of 1.9%. Indiana, Ohio, Michigan, Kentucky, and Pennsylvania reported Widespread Activity. West Virginia reports regional activity.

National Surveillance*:

During week 10 (March 5th – March 11th, 2017), 20 U.S. states reported Minimal influenza activity, 5 states reported Low Activity, 7 reported moderate activity, and 18 reported High activity. The proportion of outpatient visits for ILI was 3.7%, which is above the national baseline of 2.2%. Seven HHS regions reported ILI levels at their region specific baseline level. The most frequently identified influenza virus type reported by public health laboratories was influenza A (H3N2).

*Regional and National surveillance data are reported one week later than Ohio state and local data

Flu Information:

Influenza Virus Characterization:

CDC has antigenically characterized 968 influenza viruses [145 influenza A (H1N1)pdm09, 511 influenza A (H3N2), and 312 influenza B viruses] collected by U.S. laboratories since October 1, 2016. 95% of the Influenza B viruses that have been antigenically characterized by CDC were similar to viruses included in either the trivalent or quadrivalent 2016-17 influenza vaccine. 98% of the influenza A viruses characterized matched the viruses included in the 2016-17 influenza vaccine.

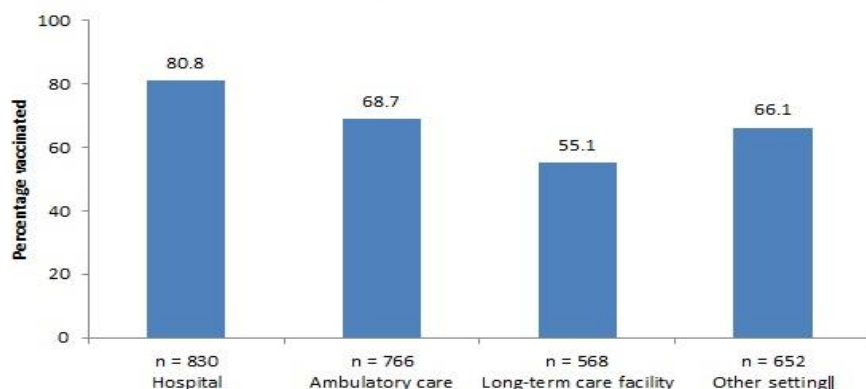
State, Regional and National data is provided by the Ohio Department of Health

More information from CDC: <http://www.cdc.gov/flu/>

Additional Flu Related Data:

CDC Survey November 2016-17 flu season (2490 health care workers):

Flu vaccination coverage among health care personnel by work setting,[§] Internet panel survey, November 2016, United States



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Place of flu vaccination (%) for children and adults, National Immunization Survey-Flu and National Internet Flu Survey, United States, early 2016–17 flu season

