Toledo-Lucas County Health Department Seasonal Influenza Activity Summary

MMWR Week 51 December 17-23, 2017

Local Surveillance:

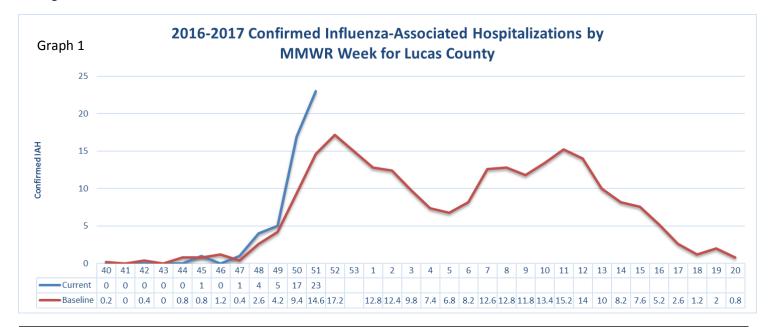
Current Influenza Activity Levels:

Lucas County had **23** confirmed Influenza-associated Hospitalizations (IAH) reported in week 51, bringing the total to **51** cases as of December 23, 2017. *93% of cases were flu type A, 8 were H3 strain-the majority were not subtyped.* 7% of cases were unsubtyped influenza B.

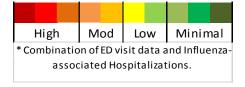
Gender Distribution of Cases: 62% female, 38% male

Lucas County accounts for 2.1% of the IAH reported in Ohio.

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



	Current Week's Composite Intensity Indicator*																															
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40	41	42	43	44	45	46	47	48	49	50	51	52	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20





ED Visits are comprised of Influenza-like illness and respiratory syndrome as compared to the baseline average

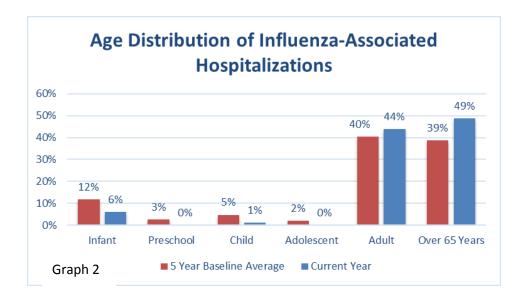
MAIN OFFICE

635 North Erie Street Toledo, Ohio 43604 419.213.4100

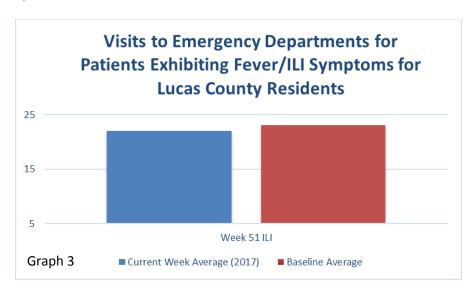
WESTERN CLINIC SITE 330 Oak Terrance Blvd. Holland, Ohio 43528 419.213.6255

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The number of emergency department visits with patients exhibiting fever/ILI symptoms was at baseline for MMWR 51. 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: Current Ohio Activity Level (Geographic Spread) – Widespread

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 51, public health surveillance data sources indicate increasing influenza-like illness (ILI) activity in outpatient settings reported by Ohio's sentinel providers. Outpatient medical claims related to influenza-like illness are

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above seasonal threshold levels. The percentage of emergency department visits with patients exhibiting constitutional symptoms are above baseline levels and fever and ILI specified ED visits are below baseline levels. Reported cases of influenza-associated hospitalizations are above the seasonal threshold*. There were 554 influenza-associated hospitalizations reported.

State Surveillance:

- ODH lab has reported 137 influenza tests from specimens sent from various submitters. 2017-2018 influenza season results: (109) A/H3N2; (3) A/pdmH1N1; (2) Influenza B; (through 12/23/2017).
- The National Respiratory and Enteric Virus Surveillance System (NREVSS) has reported 18,587 influenza tests performed at participating facilities. 2017-2018 influenza season positive results: (5) H1N1, (71) A/H3N2, (996) Flu A Not Subtyped, and (121) Flu B (through 12/23/2017).
- 0 pediatric influenza-associated mortalities have been reported during the 2017-2018 season (through 12/23/2017).
- No novel influenza A virus infections have been reported during the 2017-2018 season (through 12/23/2017).
- Incidence of confirmed influenza-associated hospitalizations in 2017-2018 season = 1182 (through 12/23/2017).

Regional Surveillance*: During week 50 (December 10 – December 16, 2017), the proportion of outpatient visits for ILI in Region 5 (Ohio is in Region 5) was 2.1%, which is above the regional baseline of 1.8%. West Virginia reported Local Activity; Michigan and Pennsylvania Regional Activity; Ohio, Indiana, and Kentucky reported Widespread Activity.

National Surveillance*: During week 50 (December 10 – December 16, 2017), Most U.S. states reported Minimal or Low influenza activity, though several are reporting Moderate or High Activity. The proportion of outpatient visits for ILI was 3.5%, which is above the national baseline of 2.2%. Nine of 10 regions reported ILI at or above 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:

CIDRAP: CDC: flu rises sharply, now widespread in 36 states

CDC: Seasonal Influenza (H3N2) Activity and Antiviral Treatment of Patients with Influenza

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

ODH Influenza Activity Summary MMWR 51