



Public Health
Prevent. Promote. Protect.

Butler County
General Health District

Butler County General Health District
Seasonal Influenza Hospitalizations
MMWR Week 18
4/28/2019 – 5/04/2019

Weekly Influenza Activity Summary:

Butler County (MMWR Week 18, ending in 5/04/19): The number of influenza-associated hospitalizations continues to decrease from week 17 to week 18. Week 18's 0 cases are below the 3-year average of 1 for the same MMWR week. See *Figure 1*. The total of influenza associated hospitalizations is now at **298**; over half of those that have presented to the hospitals have been individuals <5 years of age or >65 years of age. The **100% decrease** is an encouraging trend, and it appears to match the historical trend representing the decline of flu season. Overall, influenza hospitalization activity in Butler County can continue to occur but appears that the 2018-2019 Influenza season is starting to wind down. See *Figure 1*.

This will be the last weekly report for the 2018-2019 Influenza season. The Butler County General Health District will continue to monitor and maintain surveillance for Influenza Hospitalizations, and will resume weekly reporting should it become necessary.

**Confirmed Influenza-associated Hospitalizations,
Butler County Residents, 2018-2019 Influenza Season**

**Table 1.* Influenza-associated Hospitalizations,
Butler County Residents, 2018-2019 Influenza Season**

MMWR Week	Week Ending	Weekly Total
40-52	10/6/18-12/29/18	13
1	1/5/19	6
2	1/12/19	17
3	1/19/19	6
4	1/26/19	6
5	2/2/19	11
6	2/9/19	10
7	2/16/19	25
8	2/23/19	19
9	3/2/19	36
10	3/9/19	33
11	3/16/19	39
12	3/23/19	23
13	3/30/19	25
14	4/6/19	11
15	4/13/19	9
16	4/20/19	6
17	4/27/19	3
18	5/4/19	0
Season Total (thus far):	As of 5/4/19	298

*Data is provisional and subject to change- Butler County influenza-associated hospitalization cases are included in counts for Tables 1 and 2 and are subject to change due to delays in reporting. Report reflects time period of 9/30/18 – 5/8/19 (MMWR Week 40 of 2018 to Week 18 of 2019). Data accessed from the Ohio Disease Reporting System (ODRS) on 5/8/19.

**Table 2.* Influenza-associated Hospitalization Trend from Previous Week,
Butler County Residents, 2018-2019 Influenza Season**

Surveillance Data	# in Current Week	% Change (from previous week)	Trend
Influenza Hospitalizations	0	-100%	

Figure 1. Percent of Hospitalizations by Age Group

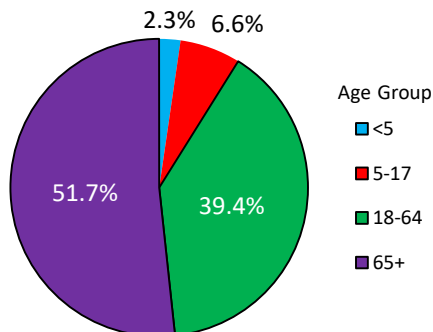
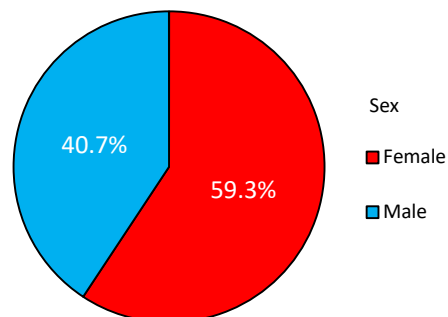
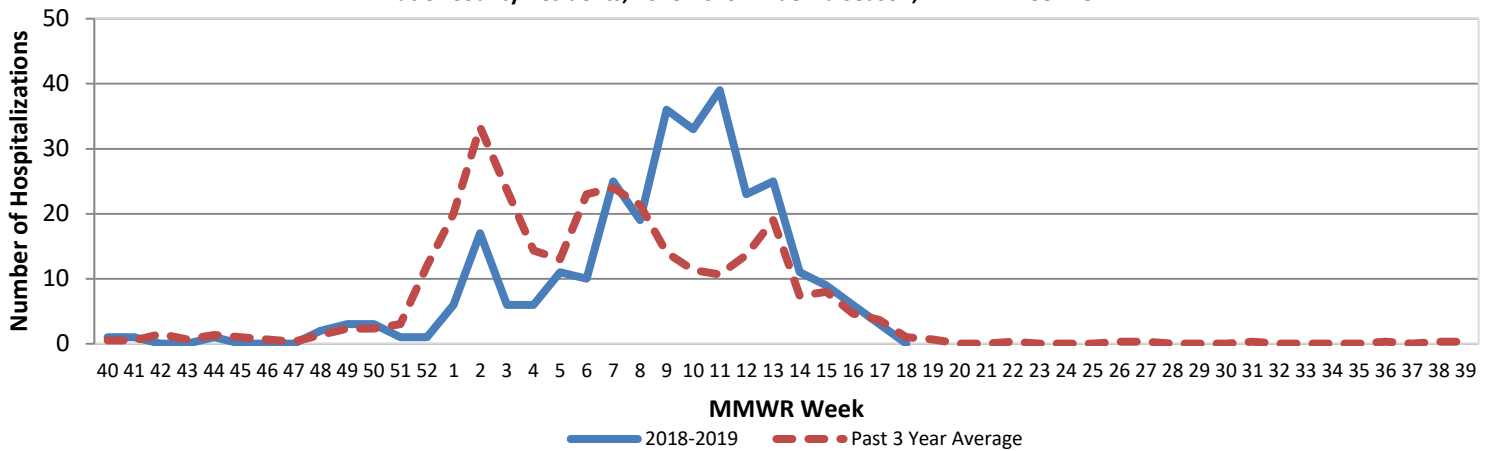


Figure 2. Percent of Hospitalizations by Sex



Butler County Weekly Surveillance

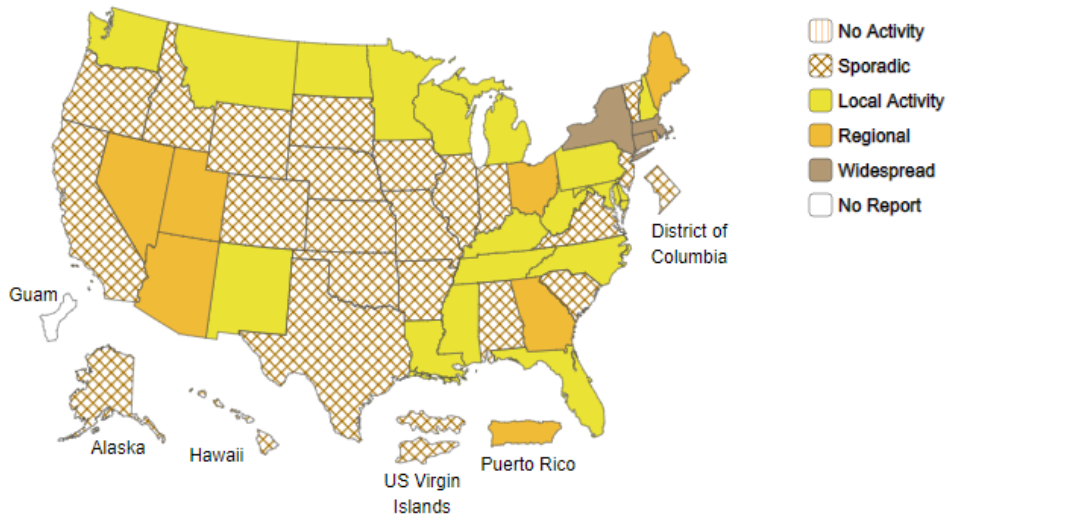
Figure 3. Confirmed Influenza-Associated Hospitalizations by MMWR Week with Past 3-Year Baseline Average; Butler County Residents, 2018-2019 Influenza Season, MMWR Week 18



A Weekly Influenza Surveillance Report Prepared by the Influenza Division

Weekly Influenza Activity Estimates Reported by State and Territorial Epidemiologists*

Week Ending Apr 27, 2019 - Week 17



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

National Influenza Activity Summary <http://www.cdc.gov/flu/weekly/fluactivitysurv.htm>

Note: Flu View map updated 1 week late due to delays in data reporting to the CDC.

Sources of Influenza Surveillance Data

Influenza-associated Hospitalizations (ODRS): Influenza-associated hospitalizations are reported to local health departments for entry into the Ohio Disease Reporting System (ODRS). Hospitalizations can be used as an indicator of the severity of illness during a particular influenza season. This condition became reportable in 2009.

For further information or questions, please contact:

Butler County General Health District, 513-863-1770 <http://health.bcoho.us>