



# Clark County Seasonal Flu Activity Report MMWR Week 1 12/29/2018 - 1/5/2019

## Clark County Influenza-Associated Hospitalizations and ED Visits Report 2018 MMWR Week 40 ended on 10/6/2018. This is considered the beginning of “flu season.”

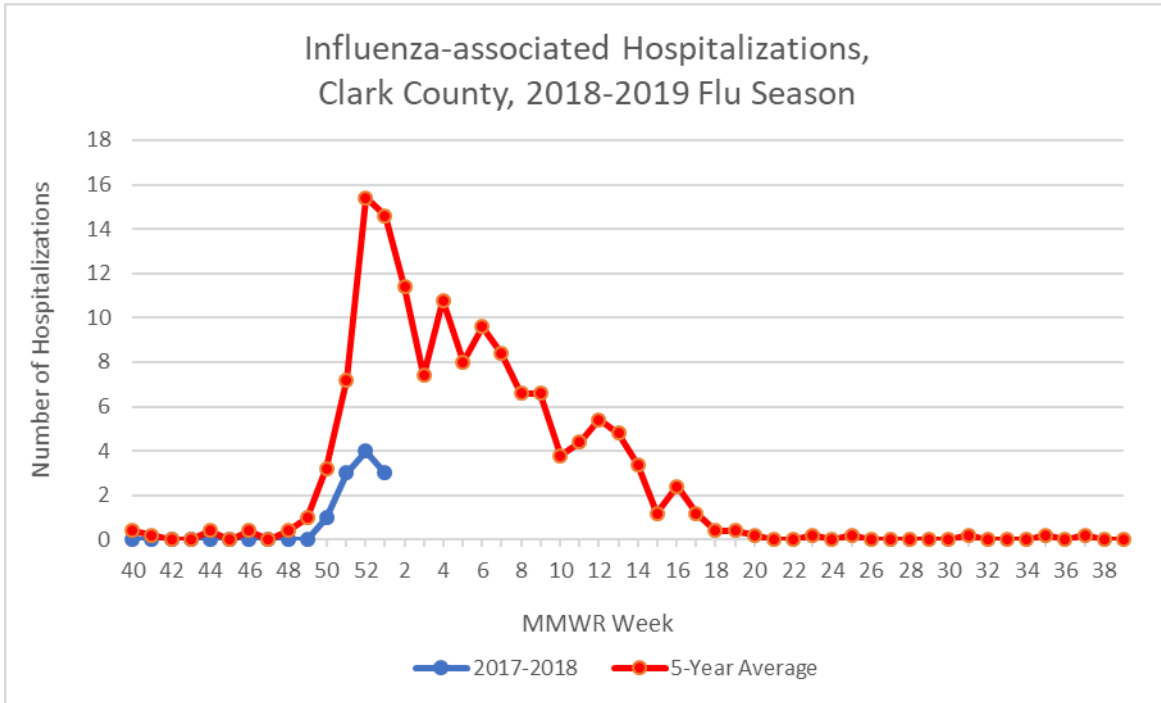


Figure 1: Influenza-associated Hospitalizations in Clark County, OH; 2018-2019 flu season compared to 5-year average. Data queried from Ohio Disease Reporting System (ODRS) Data Extract on 1/10/2019. These are preliminary numbers and may change based on updated ODRS data.

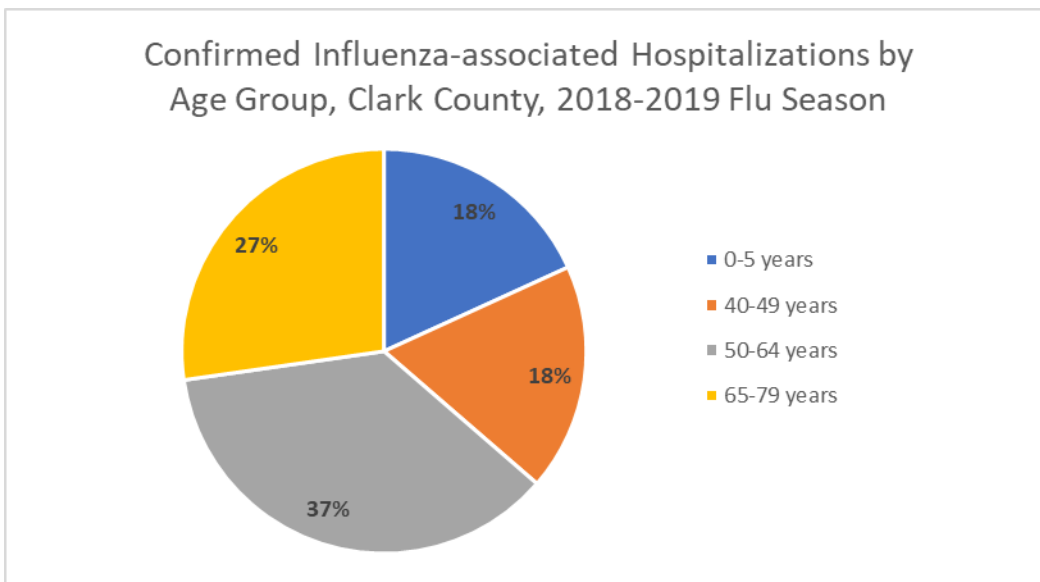


Figure 2: Confirmed Influenza-Associated Hospitalizations in Clark County, by age group. MMWR Weeks 40 - 1 (Sep. 30, 2018 – Jan. 5, 2019). Data queried from ODRS Data extract on 1/10/2019.



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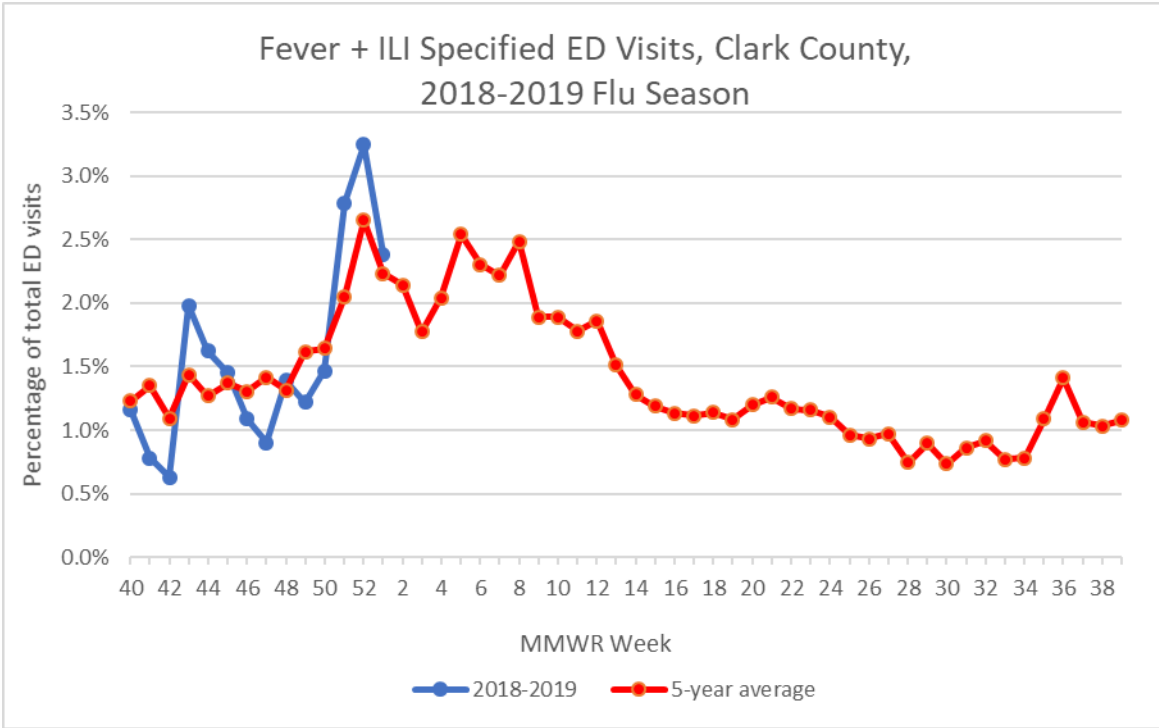


Figure 3: Percentage Fever and Influenza-Like-Illness (ILI) Specified ED Visits in Clark County, OH, compared to 5-year average. Data queried from EpiCenter Syndromic Surveillance System on 1/9/2019.

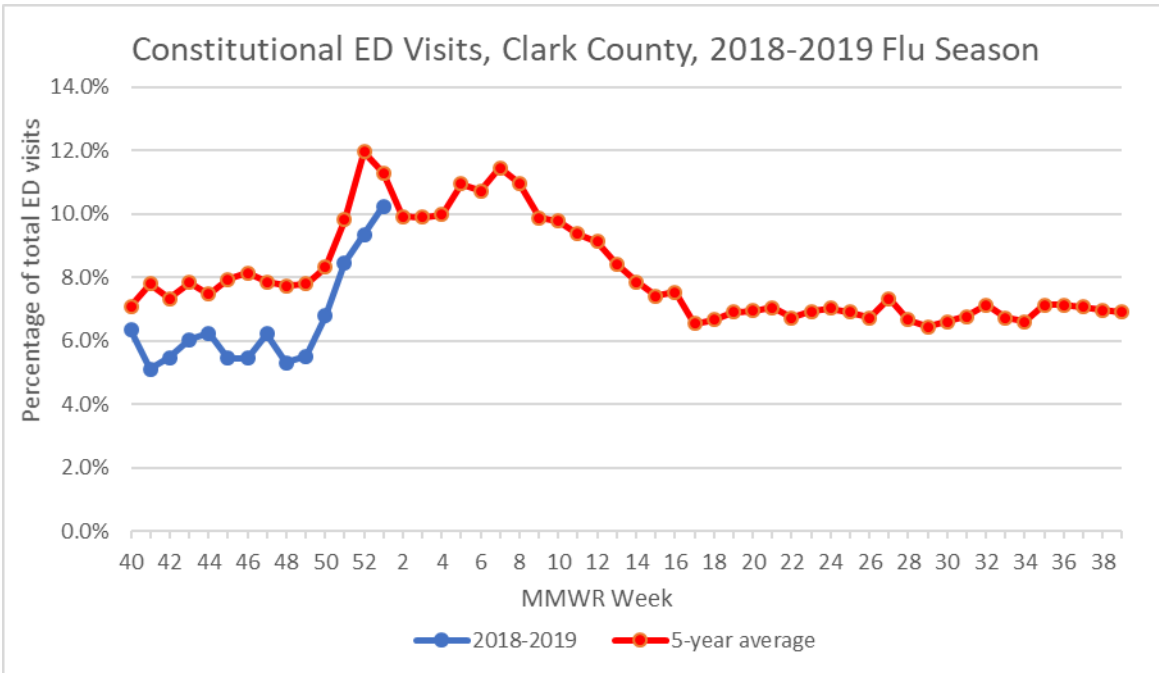


Figure 4: Percentage Constitutional ED Visits in Clark County, OH, compared to 5-year average. Data queried from EpiCenter Syndromic Surveillance System on 1/9/2019.

## Regional Influenza Report: MMWR Week 1 (12/30/2018 – 1/5/2019)

West Central Ohio Region (Week 1) – Regional influenza-associated hospitalizations decreased from week 52 to week 1. The number of outpatient influenza cases has dramatically increased over the past three weeks. Overall, regional influenza activity leveled off during week 1 but is likely to continue to increase over the next several weeks.

### Ohio (Week 1): Current Activity Level – Widespread

Increased ILI in at least half of the regions AND recent (within the past 3 weeks) lab confirmed influenza in the state. The Ohio Department of Health (ODH) has reported the following positive results from flu specimens sent to the ODH laboratory (through 1/5/19): **(78)** Influenza A/pdmH1N1; **(22)** Influenza A/H3N2; **(1)** Influenza B.

0 pediatric influenza-associated mortalities have been reported during the 2018-2019 season (through 1/5/2019).

No novel influenza A virus infections have been reported during the 2018-2019 season (through 1/5/2019).

National (Week 1) – Nationally, influenza activity is elevated and continues to increase. Forty-eight of 54 jurisdictions (all 50 states, the District of Columbia, Guam, Puerto Rico, and U.S. Virgin Islands) in the United States are reporting regional or widespread influenza activity. Influenza A(H1N1), influenza A(H3N2), and influenza B viruses continue to co-circulate. Influenza A(H1N1)pdm09 viruses have been most prevalent this flu season. However, influenza A(H3) viruses have predominated in the southeastern United States (HHS Region 4) [Ohio is in HHS Region 5].

The regional influenza report includes positive influenza cases from healthcare facilities in Auglaize, Champaign, Clark, Darke, Greene, Miami, Montgomery, Preble, Shelby, and Warren counties.

Table 1: Influenza-associated Hospitalizations in the West Central Ohio Region. Data queried from the Ohio Disease Reporting System (ODRS) by Kyle Wallace, Epidemiologist, Dayton & Montgomery County.

MMWR Week	40-50*	51*	52*	1*	2018-2019 Flu Season Total as of 1/11/19
Week Ending	12/15/18	12/22/18	12/29/18	1/5/19	
Auglaize	1	1	1	1	4
Butler	11	2	3	6	22
Champaign	1	0	0	0	1
Clark	1	3	4	3	11
Darke	0	0	4	1	5
Greene	6	3	4	10	23
Miami	0	2	4	0	6
Montgomery	28	13	22	17	80
Preble	2	0	0	0	2
Shelby	0	0	1	0	1
Warren	7	4	3	2	16
<b>Total</b>	<b>57</b>	<b>28</b>	<b>46</b>	<b>40</b>	<b>171</b>

\*Numbers may change based on updated ODRS data.

Table 2: Weekly Regional Outpatient Influenza Cases. Data queried by Melissa Vining, BSN, RN, Public Health Nurse Dayton & Montgomery County.

MMWR Week	Week Ending	Influenza A	Influenza B	ILI* Reports (Sentinel Providers)	Weekly Total
40-50	12/15/18	87	5	22	114
51	12/22/18	131	0	0	131
52	12/29/18	224	2	19	245
1	1/5/19	77	13	10	100
<b>Season Total</b>	NA	<b>519</b>	<b>20</b>	<b>51</b>	<b>590</b>

\*Influenza-like Illness (ILI)