



Clark County Seasonal Flu Activity Report MMWR Week 11 3/10/2019 – 3/16/2019

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.”

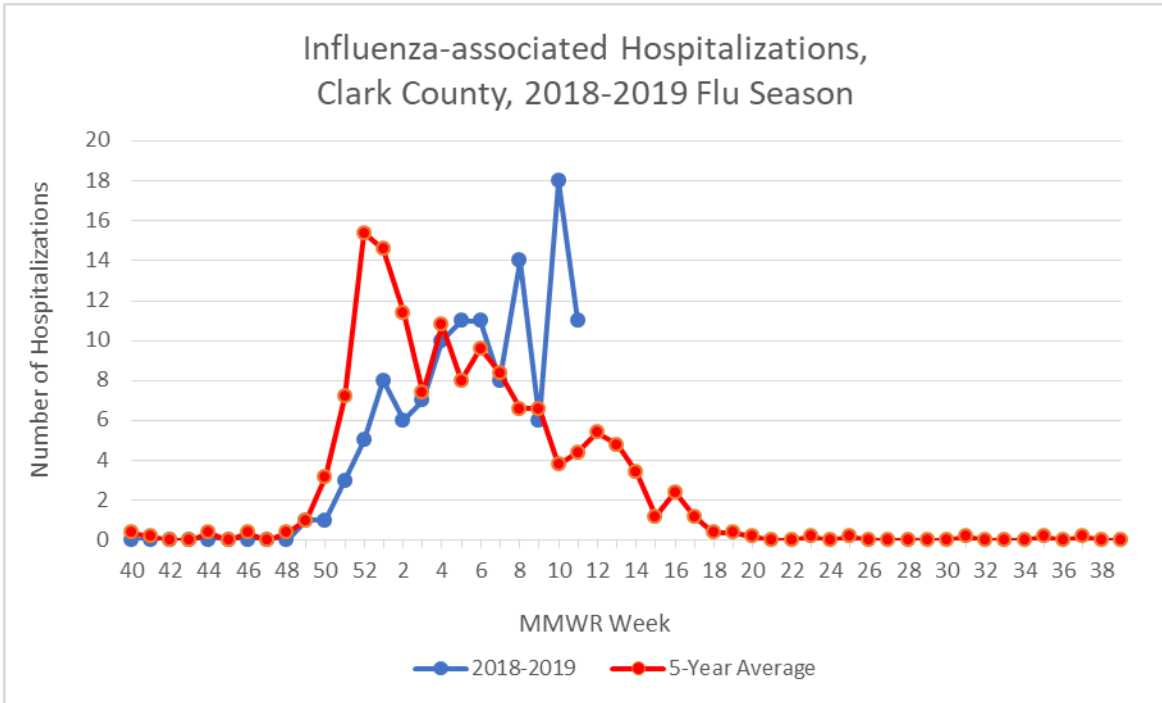


Figure 1: Influenza-associated Hospitalizations in Clark County, OH; 2018-2019 flu season compared to 5-year average. Data queried from Ohio Disease Reporting System (ODRS) Data Extract on 3/22/2019. These are preliminary numbers and may change based on updated ODRS data.

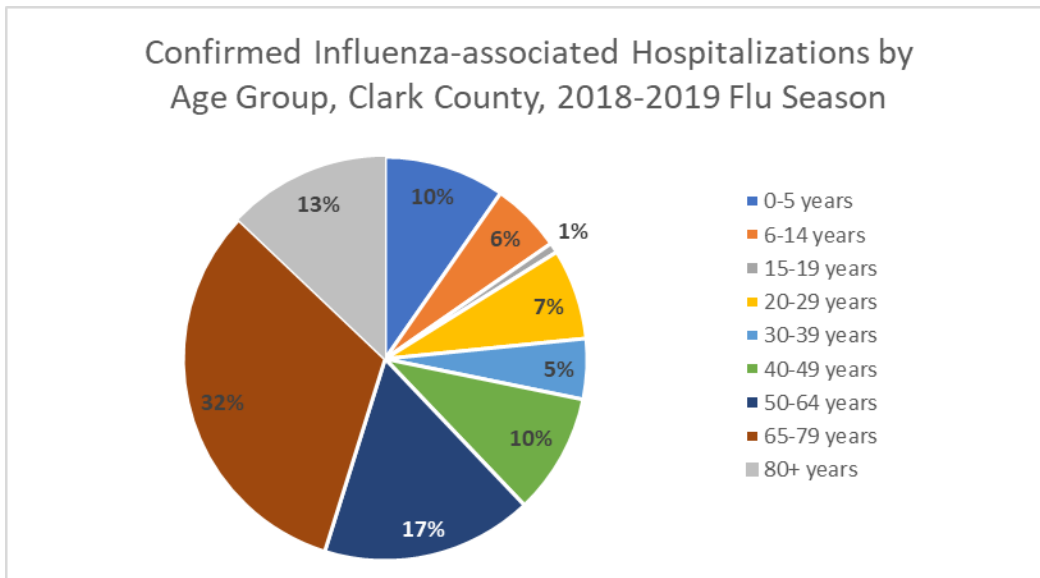


Figure 2: Confirmed Influenza-Associated Hospitalizations in Clark County, by age group. MMWR Weeks 40 – 11 (Sep. 30, 2018 – Mar. 16, 2019). Data queried from ODRS Data extract on 3/22/2019.



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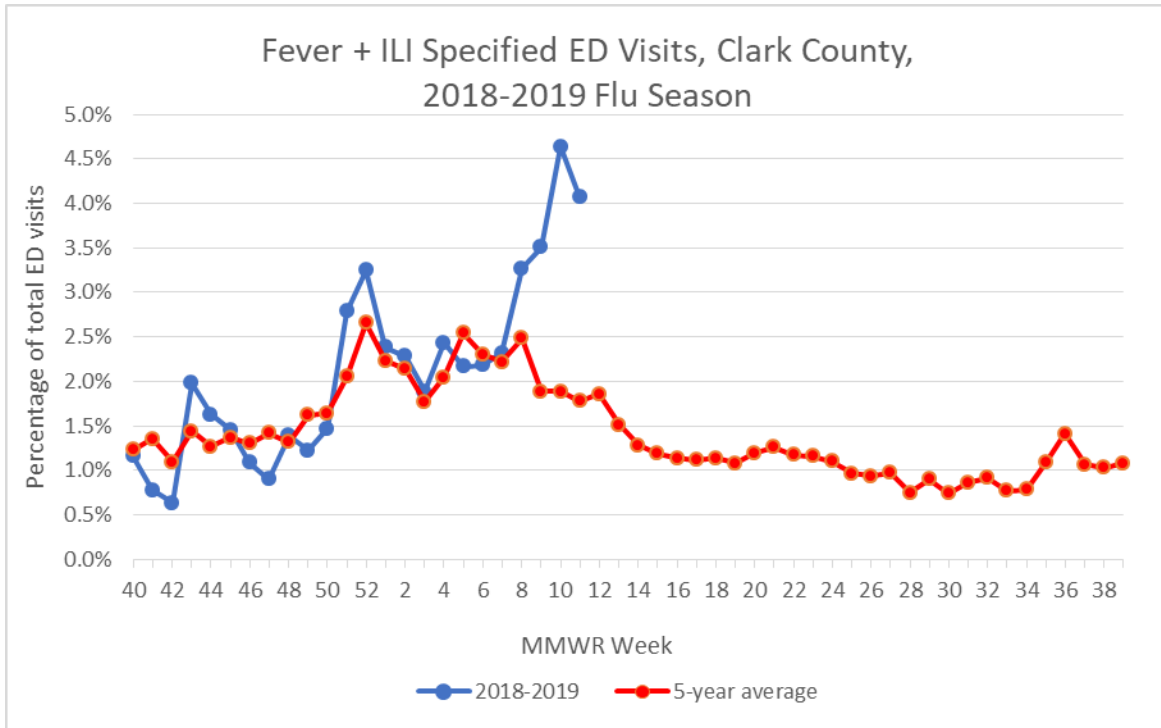


Figure 3: Percentage Fever and Influenza-Like-Illness (ILI) Specified ED Visits in Clark County, OH, compared to 5-year average. Data queried from EpiCenter Syndromic Surveillance System on 3/22/2019.

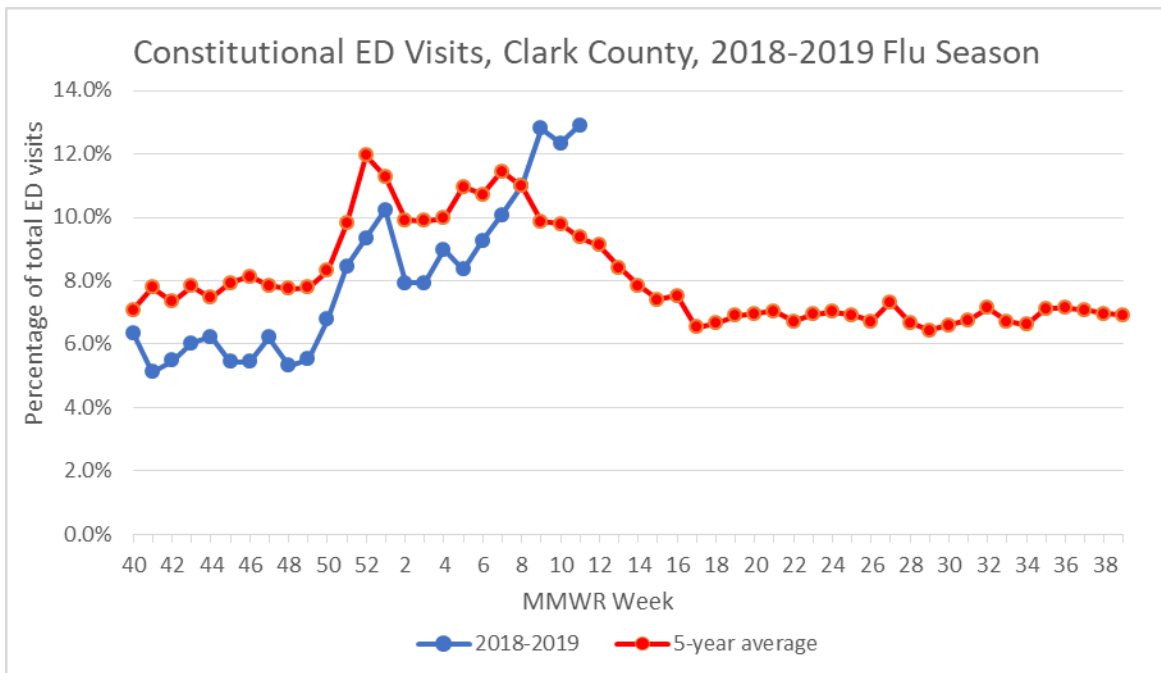


Figure 4: Percentage Constitutional ED Visits in Clark County, OH, compared to 5-year average. Data queried from EpiCenter Syndromic Surveillance System on 3/22/2019.

Regional Influenza Report: MMWR Week 11 (3/10/2019 – 3/16/2019)

West Central Ohio Region (Week 11) –Influenza activity decreased slightly during week 11. More than half (51.1%) of regional influenza-associated hospitalizations occurred in individuals < 5 years of age or > 65 years of age this flu season. Overall, regional influenza activity has been variable in recent weeks and will likely remain inconsistent over the next several weeks.

Ohio (Week 11): 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 3/16/19): (999) Total [subtyped] positives; (535) A/pdmH1N1; (462) A/H3N2; (2) Influenza B. ODH reported 1,108 influenza-associated hospitalizations during week 11 – the highest number reported so far this season.

4 pediatric influenza-associated mortalities have been reported during the 2018-2019 season (through 3/16/2019).

No novel influenza A virus infections have been reported during the 2018-2019 season (through 3/16/2019).

National (Week 11) – Nationally, influenza activity remains elevated. Forty-nine of 54 jurisdictions (all 50 states, the District of Columbia, Guam, Puerto Rico, and U.S. Virgin Islands) reported regional or widespread influenza activity. Influenza A(H1N1), influenza A(H3N2), and influenza B viruses continue to co-circulate. During the most recent three weeks, influenza A(H3) viruses were reported more frequently than influenza A(H1N1)pdm09 viruses in eight of the ten regions (including region 5 – Ohio’s region).

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	40-8*	9*	10*	11*	2018-2019 Flu Season Total as of 3/22/19
Week Ending	2/23/19	3/2/19	3/9/19	3/16/19	
Auglaize	15	4	8	7	34
Butler	140	33	29	22	224
Champaign	6	2	2	1	11
Clark	89	6	18	11	124
Darke	19	2	1	9	31
Greene	79	13	17	14	123
Miami	24	1	6	6	37
Montgomery	282	40	68	56	446
Preble	6	2	4	2	14
Shelby	13	4	2	5	24
Warren	74	14	16	11	115
Total	747	121	171	144	1,183

*Numbers may change based on updated ODRS data.

Table 2: Weekly Regional Outpatient Influenza Cases. Data queried by Kyle Wallace, Epidemiologist, Dayton & Montgomery County.

MMWR Week	Week Ending	Influenza A	Influenza B	ILI* Reports (Sentinel Providers)	Weekly Total
40-8	2/23/19	1,522	61	187	1,770
9	3/2/19	222	1	31	254
10	3/9/19	357	1	45	403
11	3/16/19	233	0	71	304
Season Total	NA	2,334	63	334	2,731

*Influenza-like Illness (ILI)