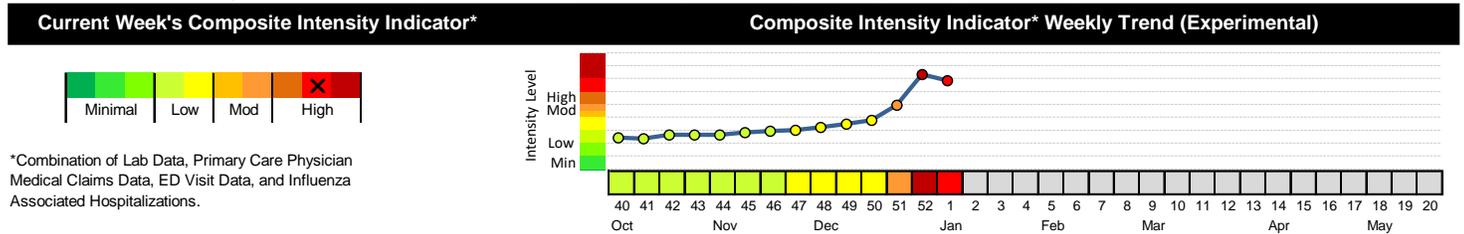


Highlights

- In week 1 of 2020, trends for the individual local flu activity indicators either decreased or were stable. As a whole, local flu intensity (composite indicator) decreased slightly but remains HIGH.
- Geographic spread and local intensity designation (Click [here](#) for definitions) = WIDESPREAD, HIGH
- Local medical facility labs reported 3,306 tests run with 878 (26.6%) positive results for week 1 of 2020.
- The percentage of ED visits for influenza-like-illness (ILI) decreased slightly and respiratory symptoms remained stable compared to last week.
- In week 1 of 2020, the trends for individual local over-the-counter medication category sales tracked were mixed (decrease in thermometer and pediatric anti-fever sales; increase in electrolyte, chest rub, adult anti-fever and throat lozenge sales; stable cough and cold sales) compared to last week.
- In week 1, U.S. seasonal influenza key indicators that track flu activity remain high. Please [visit the CDC website for specific information](#).

Local Flu Activity Dashboard *(All data are preliminary and may change as updated reports are received.)*



Indicators	Week Number(s) Available	Current Week Value	% Change Chart from Last Week ¹ (-) (+)	# Weeks ² ▲ • ▼	General Trend Line Chart ³ (black = current, red = historical avg.)
Medical Facility Lab Data	35-1	26.6% Pos.	-21%	1 ▼	
athenaHealth® ⁴ Network PCP Flu or ILI Visit (Ohio)	35-1	22.7 per 1,000 visits	-10%	1 ▼	
EMS Cold/Flu Symptom Runs	35-1	67 runs	0.0%	1 •	
School Absences	35-51	Update not available due to winter break			
Hospital ED Data ⁵ :					
Complaint Defined as ILI	35-1	28.5% of All ED Visits	-2.6%	1 ▼	
Categorized as Respiratory	35-1	23.4% of All ED Visits	-1.3%	1 •	
Medication Data:					
OTC Cough & Cold Sales	35-1	22,546 Total Sales	1.6%	1 •	
Thermometer	35-1	116 Total Sales	-15.3%	1 ▼	
Confirmed Influenza Associated Hospitalizations ⁶	35-1	50 Admitted (159 Since wk. 35, 2019)	-7%	1 ▼	

Reportable Conditions (Cumulative Numbers as of Jan. 9, 2020)	2015	2016	2017	2018	2019	2020 YTD
Pediatric Influenza Associated Death Reported by Year (based on date of death)	0	0	0	0	1	0
Influenza Associated Hospitalizations (IAH) Reported by Admission Year ⁶	447	293	846	1,036	841	45
IAH comparison by Flu Season (October through May or Weeks 35 - 20)	<u>2014-15</u>	<u>2015-16</u>	<u>2016-17</u>	<u>2017-18</u>	<u>2018-19</u>	<u>2019-20*</u>
*Current season figures (2019-20) are from week 35 through week 1 of 2020.	871	265	619	1,235	746	159

¹Interpret with caution. Indicators with small numbers subject to large weekly percentage fluctuations.

²Number of weeks "▲" = Increase (>2%), "▼" = Decrease (>2%), "•" = Stable (-2% to +2%).

³Black line is current years data. Based on data availability, red line is historical average (excluding pandemic year).

⁴Data Source: Medical claims data from athenaHealth® (www.athenahealth.com). Rate of Flu or ILI visits to Ohio (statewide) athenaHealth® network primary care practices/physicians. Claims data are subject to filing and processing time lags. Historical data are updated when they are received.

⁵Franklin County, OH residents only (based on zipcode). NOTE: Excludes one hospital system included in the past due to technical changes affecting visit classification assignment and numbers.

⁶Confirmed cases only. Based on jurisdiction equal to Franklin County or City of Columbus and admission date available in ODRS.

Influenza Morbidity and Influenza-Like Illness (ILI) Reports

In week 1, the preliminary Ohio¹ (statewide) influenza and influenza-like-illness (ILI) visit rate to athenaHealth® primary care providers (22.7 per 1,000 visits) decreased compared to the previous week and is above its baseline average for the week (Figure 1). The week 1 percentage of all Emergency Department (ED) visits categorized as ILI decreased slightly compared to the previous week (Figure 3) and is above its historic baseline for the week.

Nationally, during week 1 of 2020, 5.0% of patient visits reported through ILINet were due to influenza-like illness (ILI). The percentage is above the national baseline of 2.4% for week 1.

Laboratory Surveillance

During week 1 of 2020, reporting Franklin County sentinel medical facility laboratories tested 3,306 specimens, with 878 (26.6%) positive (Figure 4). The total number of tests done by local reporting labs from week 35 of 2019 through week 1 of 2020 is 24,878 with 3,149 (12.7%) positives (639 type A, 2,504 type B, 0 type A and B, 6 type unknown).

Nationally in week 1 of 2020, clinical laboratories reported 49,194 specimens tested for influenza viruses, 11,459 (23.3%) of which were positive (4,202 type A, 7,257 type B). In week 1, public health laboratories reported testing 1,459 specimens, 941 of which were positive (487 type A – of which 411 were A(H1N1)pdm09, 32 were H3N2, and 44 were not subtyped; 454 type B – of which 3 were Yamagata lineage, 306 were Victoria lineage, and 145 where lineage was not performed). Please visit the CDC website for more information, including cumulative data.

In week 1 of 2020, Ohio clinical labs reported 34,538 specimens tested for influenza this season thus far. Positive results include: (71) A(H1N1)pdm09; (2) A/H3N2; (931) Flu A Not Subtyped, and (3,199) Flu B (through 1/4/2020). In week 1 of 2020, ODH Public Health Lab reported 223 positive influenza tests from various submitters this season so far. Positive results include: (76) A(H1N1)pdm09; (17) A/H3N2; (130) Influenza B (through 1/4/2020). Please visit the ODH website for more information.

ED Respiratory Visits

In the 1st week of 2020, the percentage of all ED visits categorized as respiratory was stable compared to the percentage seen the previous week and is above its baseline for the week (Figure 5).

Over-the-Counter (OTC) Medication Sales

In week 1 of 2020, the trends for individual local over-the-counter medication category sales tracked were mixed (decrease in thermometer and pediatric anti-fever sales; increase in electrolyte, chest rub, adult anti-fever and throat lozenge sales; stable cough and cold sales) compared to last week.

Additional Influenza Activity Web Links:

Ohio Seasonal Flu Surveillance: <https://odh.ohio.gov>

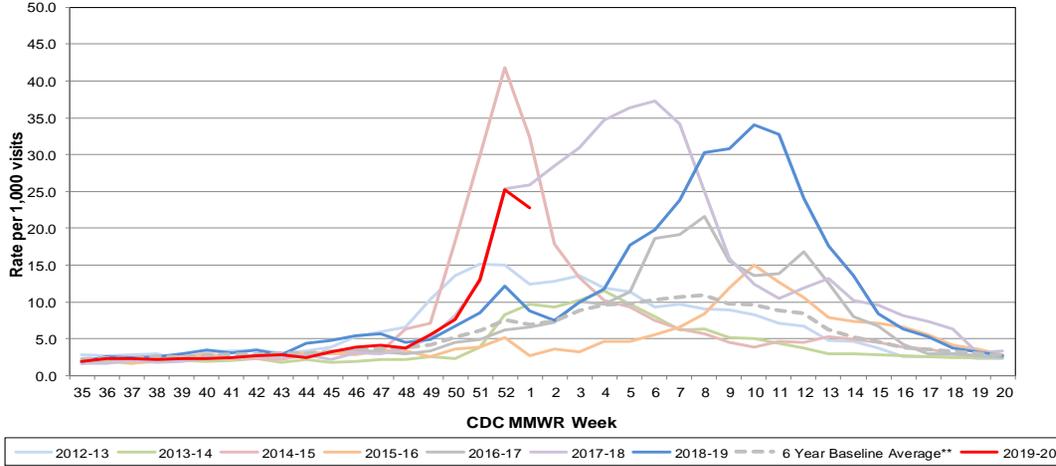
CDC National Seasonal Flu Surveillance Reports: <http://www.cdc.gov/flu/weekly/>

World Health Organization Situation Updates: http://www.who.int/influenza/surveillance_monitoring/en/

¹Note: County level athenaHealth® network primary care medical claims data is no longer available.

Columbus & Franklin County Influenza Monitoring Summary – Week 1, 2020 (12/29/2019-1/4/2020)

Figure 1: Ohio Outpatient Primary Care Provider Influenza or Influenza-Like-Illness Visit Rate*

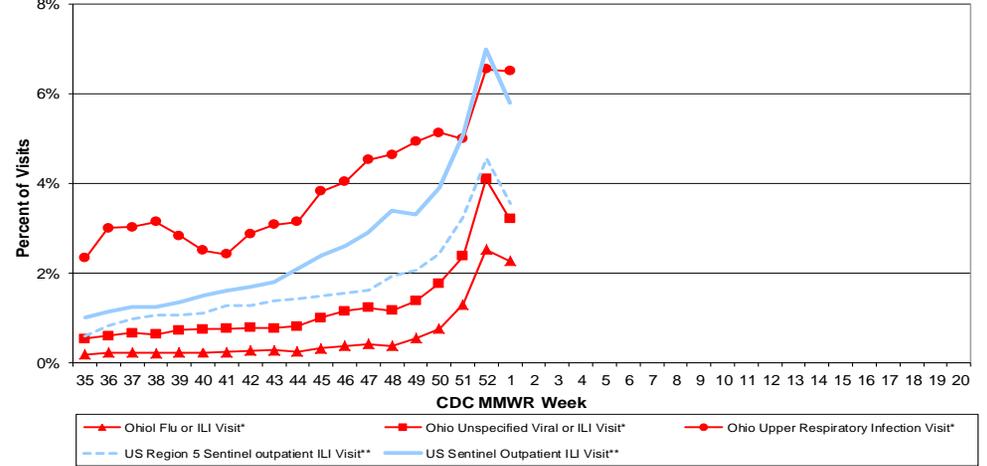


*Source: Ohio (Statewide) medical claims data from athenaHealth®

**Seasons: 2010-11, 2011-12, 2012-13, 2013-14, 2015-16, 2016-17

Note: athenaHealth® claims data are subject to filing and processing time lags. Historical data are updated when they are received.

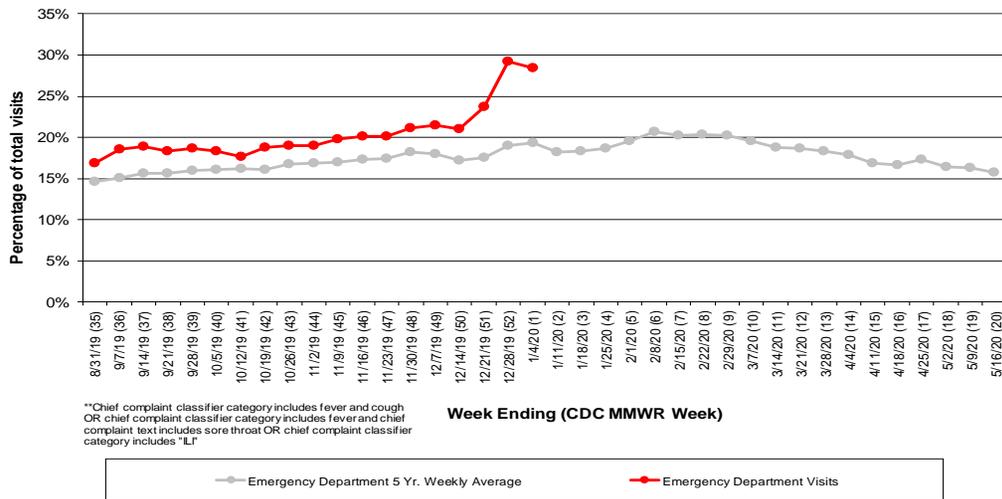
Figure 2: Percentage of Ohio Outpatient Participating Provider* and CDC National Outpatient Sentinel Health Care Provider visits for ILI and Associated Illnesses, 2019-20**



*Source: Ohio (statewide) medical claims data provided by athenaHealth®. Data are subject to filing and processing time lags. Historical data are updated when received.

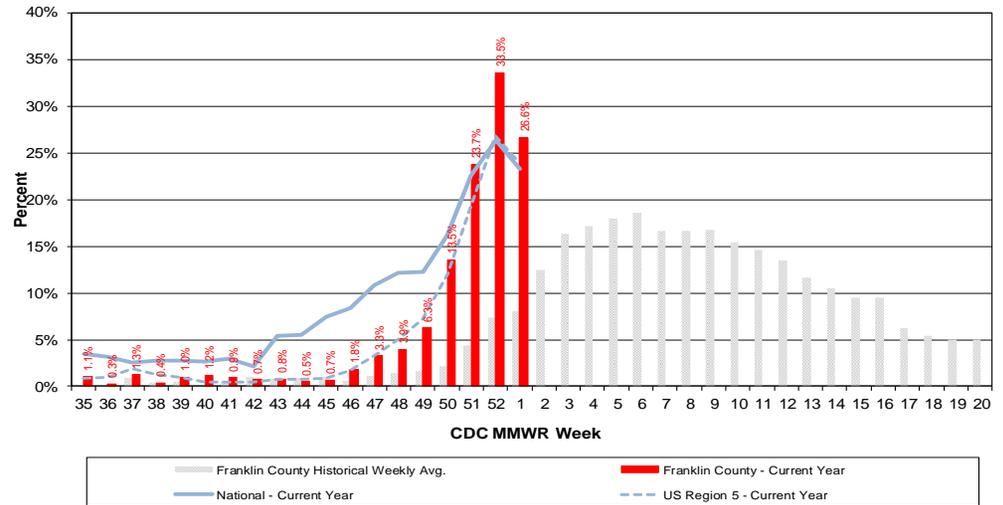
**Source: U.S. Outpatient Influenza-like Illness Surveillance Network (ILINet) sentinel provider visits.

Figure 3: Franklin County Resident ILI Defined ED Visits, 2019-20, Franklin County, OH**



**Chief complaint classifier category includes fever and cough OR chief complaint classifier category includes fever and chief complaint text includes sore throat OR chief complaint classifier category includes "LI"

Figure 4: Percentage of Local Reporting and National Laboratory Positive Influenza Tests by Week, 2019-20



Columbus & Franklin County Influenza Monitoring Summary – Week 1, 2020 (12/29/2019-1/4/2020)

Figure 5: Franklin County Resident Respiratory ED Visits, 2019-20, Franklin County, OH

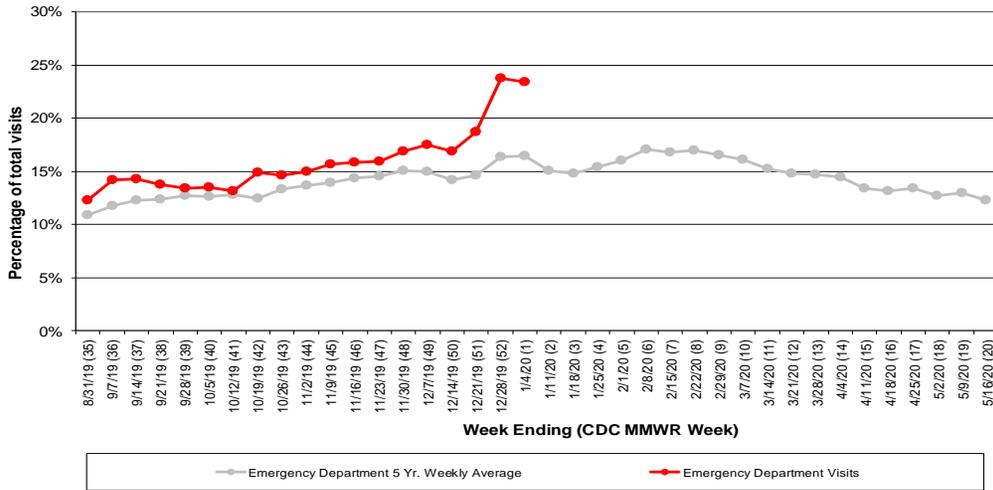


Figure 6: Selected Number of Over-the-Counter Medication Total Sales, 2019-20, Franklin County, OH

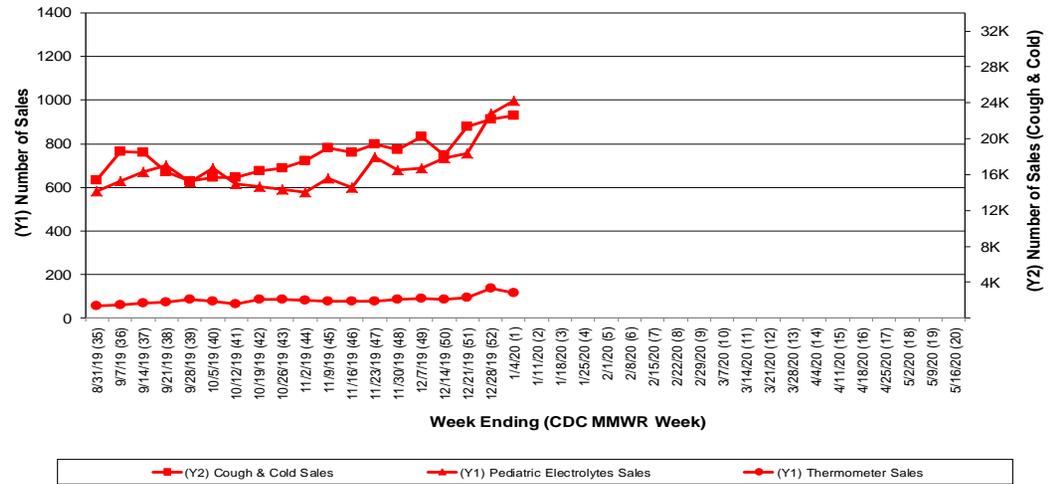
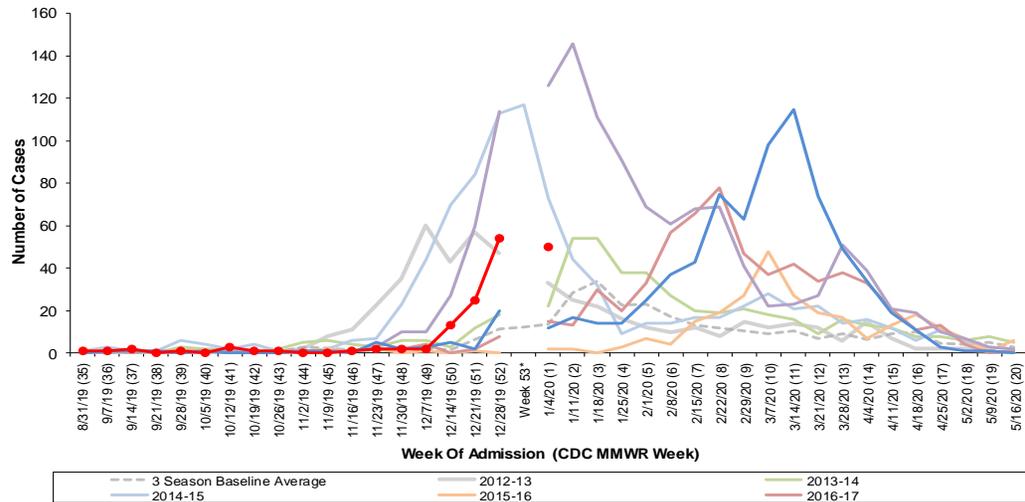


Figure 7: Columbus and Franklin County Jurisdiction Confirmed Influenza Associated Hospitalizations by Hospital Admission Week (As of 1/9/2020)



*Note: Certain years have a 53rd week (e.g., season 2014-15) based on CDCs MMWR

Columbus and Franklin County, OH Jurisdiction Confirmed Influenza Hospitalization Cumulative Rates (per 100,000) by Age-Group and Admission Week, 2019-2020 Season

