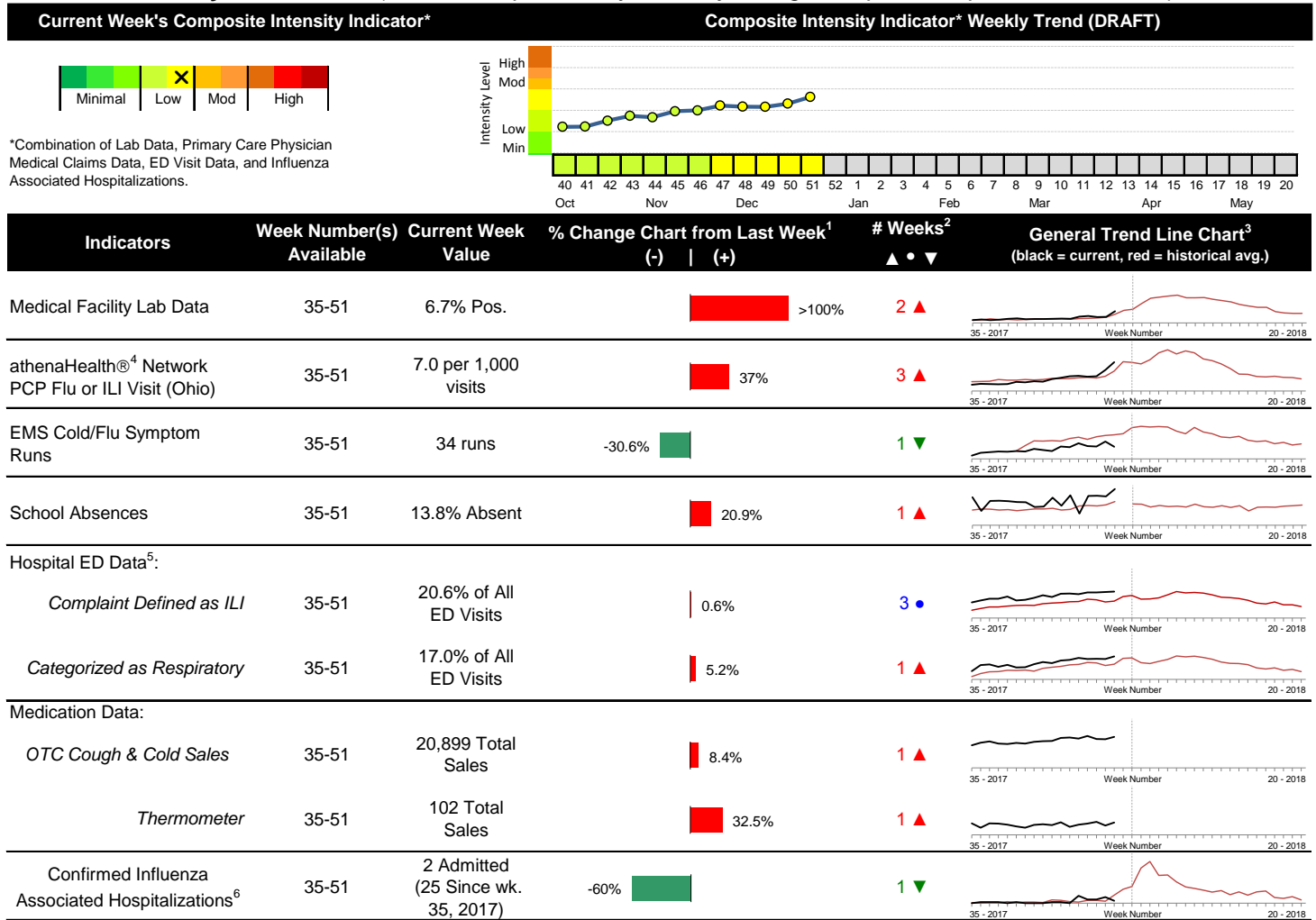


Highlights

- In week 51 of 2018, the individual local flu activity indicator trends were mixed compared to the previous week. As a whole, flu intensity (composite indicator) increased compared to the previous week and continues to be low.
- Geographic spread and local intensity designation (Click [here](#) for definitions) = REGIONAL, LOW
- Local medical facility labs reported 1,233 tests run with 82 (6.7%) positive results for week 51 of 2018.
- The percentage of ED visits for influenza-like-illness (ILI) was stable, while the percentage of respiratory symptom visits increased compared to last week.
- In week 51 of 2018, trends for the majority of local over-the-counter medication category sales tracked increased compared to last week (increase in cough and cold, electrolyte, thermometer, chest rub, and pediatric anti-fever sales; stable adult anti-fever, and throat lozenge sales) compared to last week.
- In the U.S., influenza activity is increasing. Please [visit the CDC website for specific information](#).

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



Reportable Conditions (Cumulative Numbers as of Dec. 23, 2018)	2013	2014	2015	2016	2017	2018 YTD
Pediatric Influenza Associated Death Reported by Year (based on date of death)	0	0	0	0	0	0
Influenza Associated Hospitalizations (IAH) Reported by Admission Year ⁶	301	875	447	293	846	1,012
IAH comparison by Flu Season (October - May or Weeks 35 - 20)	<u>2013-14</u>	<u>2014-15</u>	<u>2015-16</u>	<u>2016-17</u>	<u>2017-18</u>	<u>2018-19*</u>
*Current season (2018-19) is from week 35 through week 51.	486	871	265	619	1,234	25

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 51, the preliminary Ohio¹ (statewide) influenza and influenza-like-illness (ILI) visit rate to athenaHealth® providers (7.0 per 1,000 visits) increased compared to the previous week and is above its baseline average for the week (Figure 1). The week 51 percentage of all Emergency Department (ED) visits categorized as ILI was stable compared to the previous week (Figure 3) and is above its historic baseline for the week.

Nationally, during week 51 of 2018, 3.3% of patient visits reported through ILINet were due to influenza-like illness (ILI). The percentage is above the national baseline of 2.2% for week 51.

Laboratory Surveillance

During week 51 of 2018, reporting Franklin County sentinel medical facility laboratories tested 1,233 specimens, with 82 (6.7%) positive (Figure 4). The total number of tests done by local reporting labs from week 35 of 2018 through week 51 of 2018 is 16,734 with 317 (1.9%) positives (238 type A, 77 type B, 0 type A and B, 2 type unknown).

Nationally in week 51 of 2018, clinical laboratories reported 23,479 specimens tested for influenza viruses, 3,651 (15.6%) of which were positive (3,529 type A, 122 type B). Public health laboratories reported testing 824 specimens, 445 of which were positive (428 type A – of which 354 were A(H1N1)pdm09, 43 were H3N2, and 31 were not subtyped; 17 type B – of which 2 were Yamagata lineage, 12 were Victoria lineage, and 3 where lineage was not performed). Please visit the CDC website for more information, including cumulative data.

In week 51, Ohio clinical labs reported 21,042 specimens tested for influenza this season thus far. Positive results include: (25) A(H1N1)pdm09; (22) A/H3N2; (588) Flu A Not Subtyped, and (32) Flu B (through 12/22/2018). In week 51, ODH Public Health Lab reported 58 positive influenza tests from specimens sent by various submitters this season so far. Positive results include: (50) A(H1N1)pdm09; (7) A/H3N2; (1) Influenza B (through 12/22/2018). Please visit the ODH website for more information.

ED Respiratory Visits

In the 51st week of 2018, the percentage of all ED visits categorized as respiratory increased 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 51 of 2018, trends for the majority of local over-the-counter medication category sales tracked increased compared to last week (increase in cough and cold, electrolyte, thermometer, chest rub, and pediatric anti-fever sales; stable adult anti-fever, and throat lozenge sales) compared to last week.

Additional Influenza Activity Web Links:

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

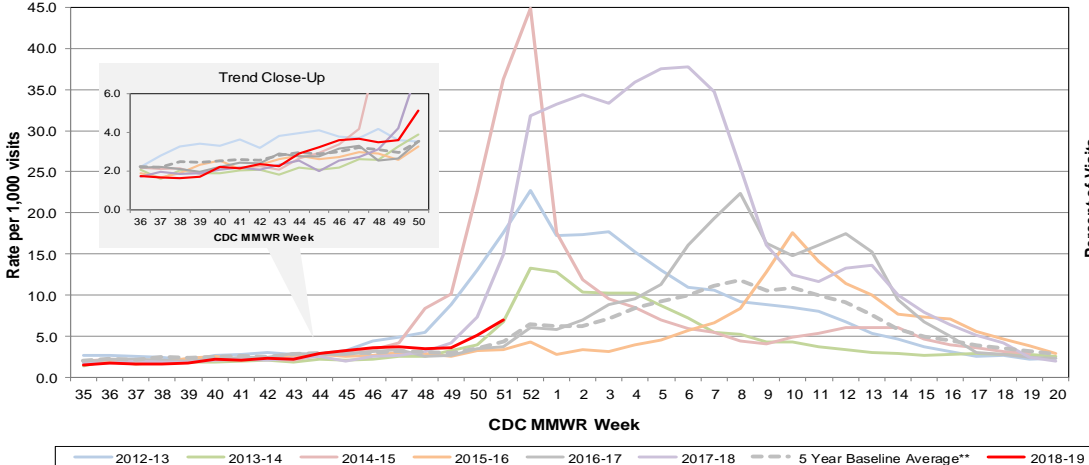
CDC National Seasonal Flu Surveillance Reports: <http://www.cdc.gov/flu/weekly/>

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.

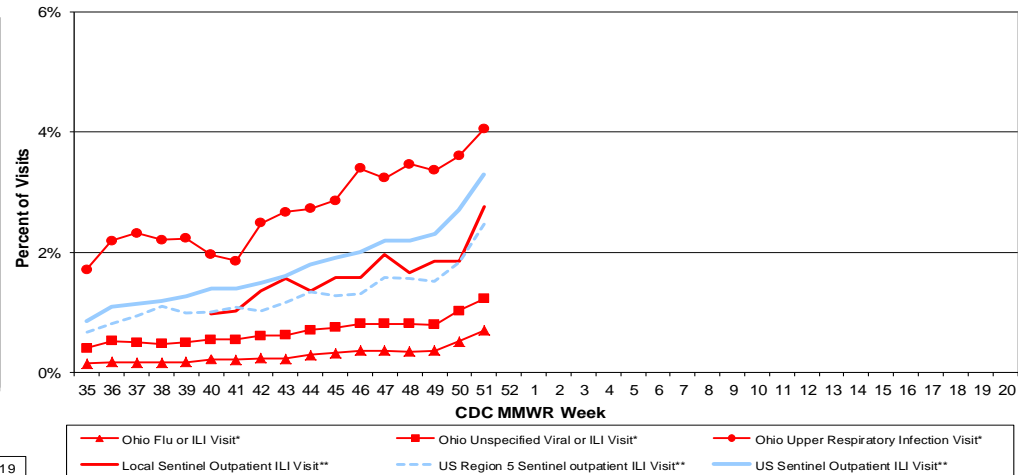
Columbus & Franklin County Influenza Monitoring Summary – Week 51, 2018 (12/16/2018-12/22/2018)

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



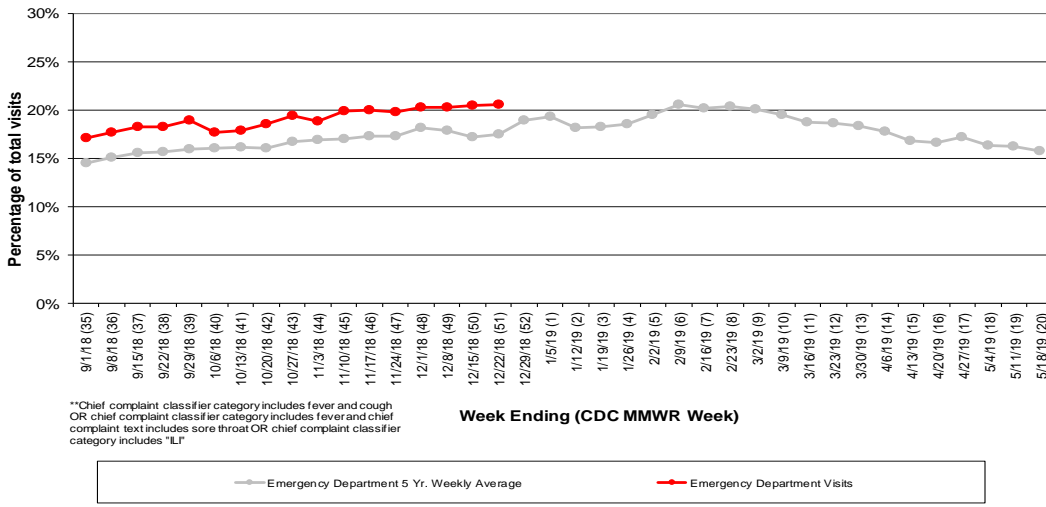
*Source: Ohio (Statewide) medical claims data from athenaHealth®
 **Seasons : 2010-11, 2011-12, 2013-14, 2015-16, 2016-17
 Note: athenaHealth® claims data are subject to filing and processing time lags. Historical data are updated when they are received.

Figure 2: Percentage of Ohio Outpatient Participating Provider* and CDC National and Local Outpatient Sentinel Health Care Provider** Site visits for ILI and Associated Illnesses, 2018-19



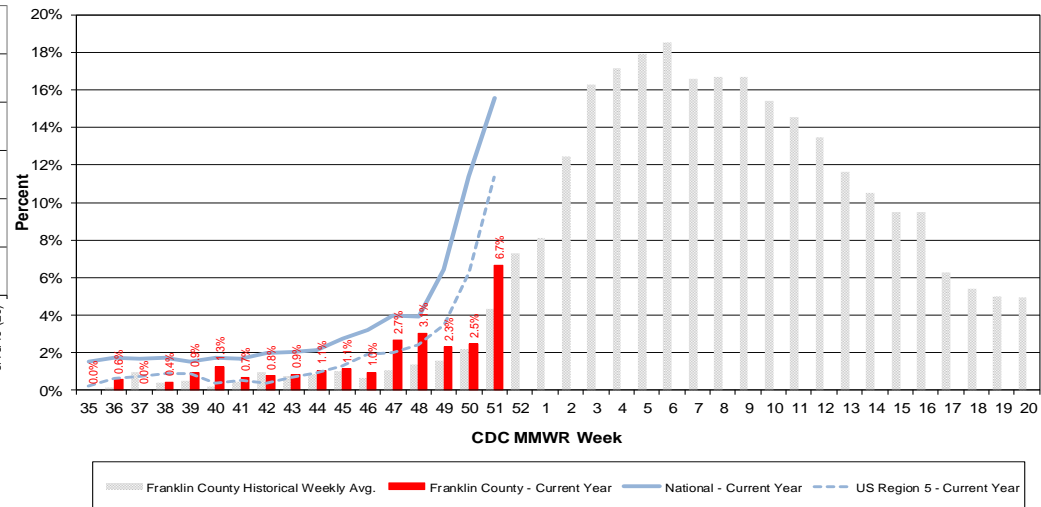
*Source: Ohio (statewide) medical claims data provided by athenaHealth®. Data are subject to filing and processing time lags. Historical data are updated when received.
 **Source: U.S. Outpatient Influenza-like Illness Surveillance Network (ILINet) sentinel provider visits.

Figure 3: Franklin County Resident ILI Defined** ED Visits, 2018-19, 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, 2018-19



Columbus & Franklin County Influenza Monitoring Summary – Week 51, 2018 (12/16/2018-12/22/2018)

Figure 5: Franklin County Resident Respiratory ED Visits, 2018-19, Franklin County, OH

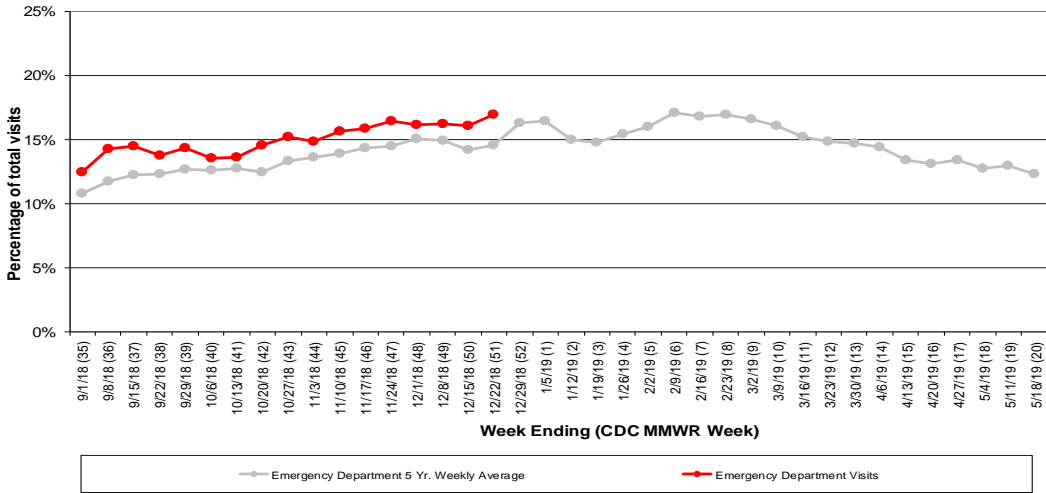


Figure 6: Selected Number of Over-the-Counter Medication Total Sales, 2018-19, Franklin County, OH

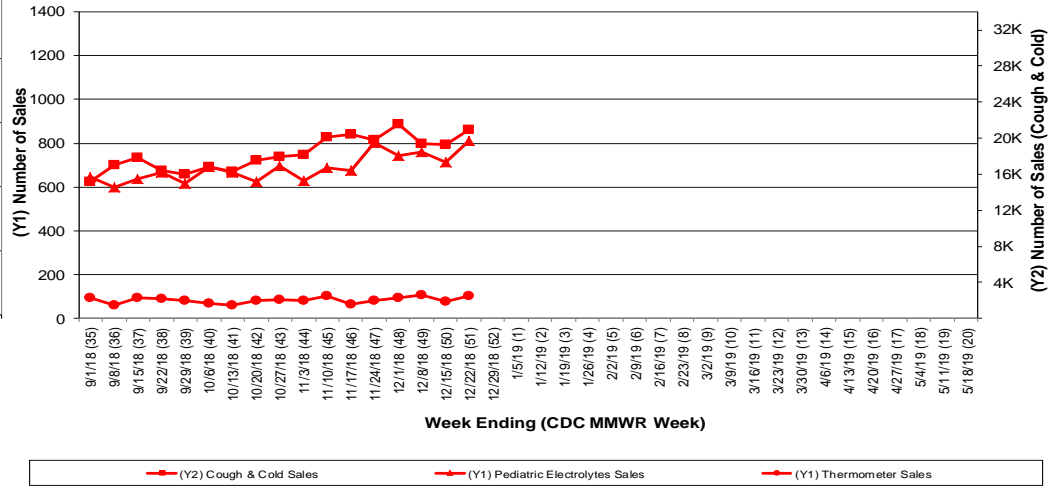
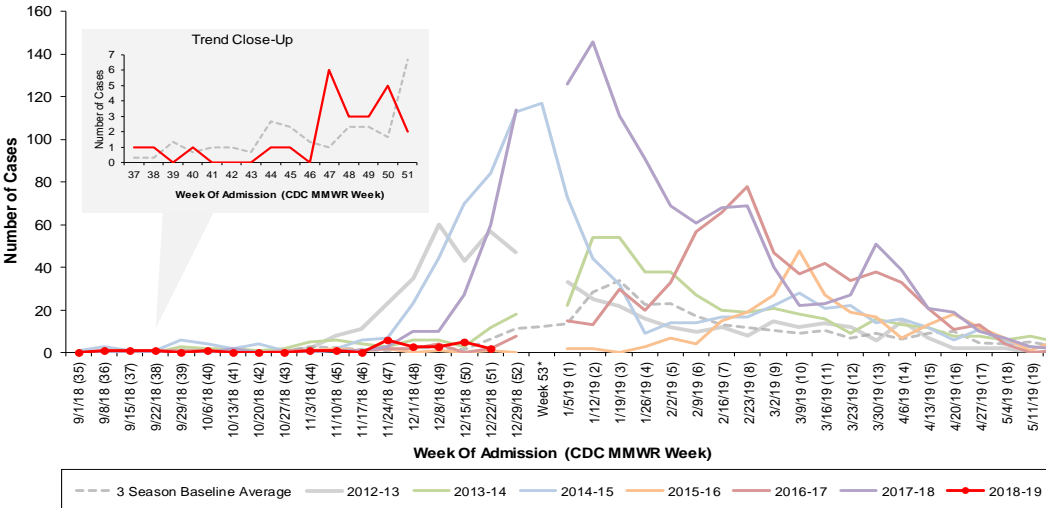
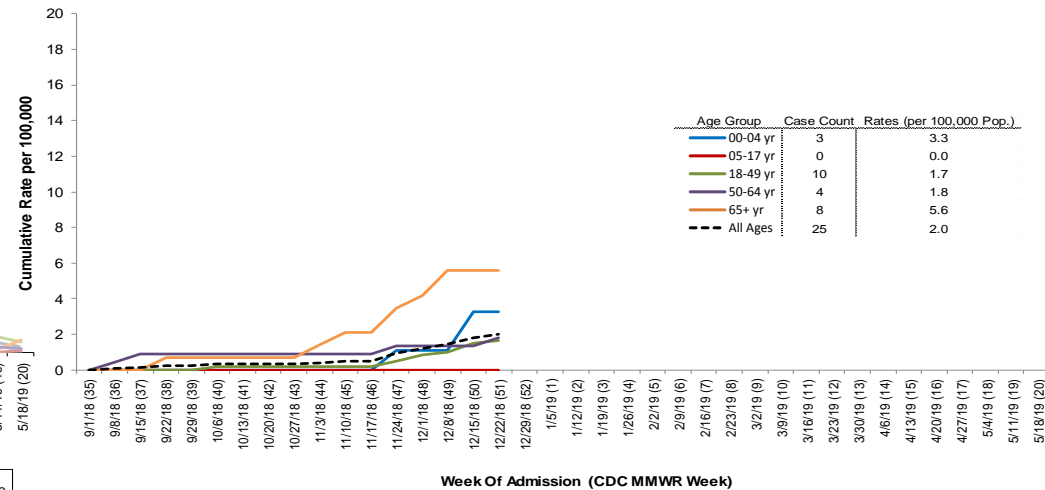


Figure 7: Columbus and Franklin County Jurisdiction Confirmed Influenza Associated Hospitalizations by Hospital Admission Week (As of 12/23/2018)



Columbus and Franklin County, OH Jurisdiction Confirmed Influenza Hospitalization Cumulative Rates (per 100,000) by Age-Group and Admission Week, 2018-2019 Season



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