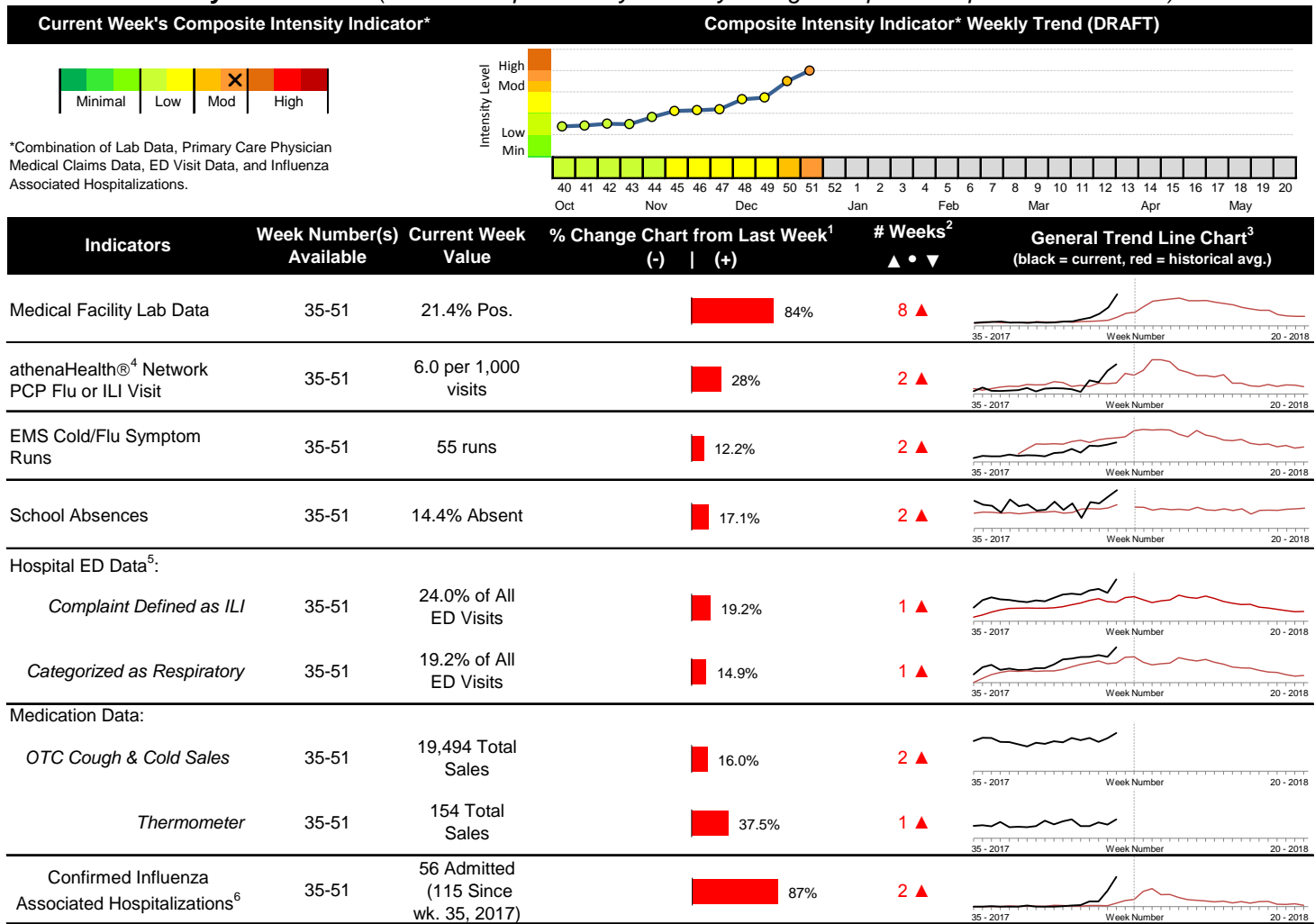


Highlights

- In week 51 of 2017, all local flu activity indicator values increased compared to last week. As a whole, flu intensity (composite indicator) continued to increase and borders high intensity. Notable sharp increases continue to be seen in percent lab positives and number of influenza-associated hospitalizations.
- Geographic spread and local intensity designation (Click [here](#) for definitions) = WIDESPREAD, MODERATE bordering high
- Local medical facility labs reported 2,130 tests run with 455 (21.4%) positive results for week 51 of 2017.
- The percentage of ED visits for both influenza-like-illness (ILI) and respiratory symptoms increased markedly compared to last week. The percentage of ED visits for both ILI and respiratory symptoms were above their respective baseline averages for the week.
- In week 51 of 2017, trends for categories of local over-the-counter medication sales tracked were mixed (increase in cough and cold, electrolyte, thermometer, and pediatric anti-fever sales; decrease adult anti-fever sales; stable chest rub and throat lozenge sales) compared to last week.
- Nationally, influenza activity sharply increased in week 51. Please [visit the CDC website for specific information](#) (National data is usually updated on Friday of each week).

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



Reportable Conditions (Cumulative Numbers as of Dec 24, 2017)	2012	2013	2014	2015	2016	2017 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	394	301	875	448	292	749
IAH comparison by Season (October - May or Weeks 35 - 20)	2012-13	2013-14	2014-15	2015-16	2016-17	2017-18
Current season (2017-18) is from week 35 through week 51.	512	486	872	264	619	115

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 Franklin County, OH 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 local influenza and influenza-like-illness (ILI) visit rate to athenaHealth® providers (6.0 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 increased markedly compared to the previous week (Figure 3) and is above its historic baseline for the week.

Nationally, during week 51 of 2017, 5.0% 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 2017, reporting Franklin County sentinel medical facility laboratories tested 2,130 specimens, with 455 (21.4%) positive (Figure 4). The total number of tests done by local reporting labs from week 35 of 2017 through week 51 of 2017 is 16,692 with 888 (5.3%) positives (767 type A, 119 type B, 1 type A and B, 1 type unknown).

Nationally in week 51 of 2017, clinical laboratories reported 28,394 specimens tested for influenza viruses, 6,373 (22.4%) of which were positive (5,527 type A, 846 type B). Public health laboratories reported testing 1,684 specimens, 831 of which were positive (740 type A – of which 55 were A(H1N1)pdm09, 652 were A/H3, and 33 were not subtyped; 91 type B – of which 52 were Yamagata lineage, 3 were Victoria lineage, and 36 where lineage was not performed). Please visit the CDC website for more information, including cumulative data.

In week 51, Ohio clinical labs reported 18,587 specimens tested for influenza this season thus far. Positive results include: (5) A(H1N1)pdm09; (71) A/H3N2; (996) Flu A Not Subtyped, and (121) Flu B (through 12/23/17). In week 51, ODH Public Health Lab reported 137 specimens tested for influenza from various submitters this season thus far. Positive results include: (3) A(H1N1)pdm09; (109) A/H3N2; (2) Influenza B (through 12/23/17). Please visit the ODH website for more information.

ED Respiratory Visits

In the 51st week of 2017, the percentage of all ED visits categorized as respiratory increased markedly compared to the percentage seen the previous week and is above its historic baseline for the week (Figure 5).

Over-the-Counter (OTC) Medication Sales

In week 51 of 2017, trends for categories of local over-the-counter medication sales tracked were mixed (increase in cough and cold, electrolyte, thermometer, and pediatric anti-fever sales; decrease adult anti-fever sales; stable chest rub and throat lozenge sales) compared to last week.

Additional Influenza Activity Web Links:

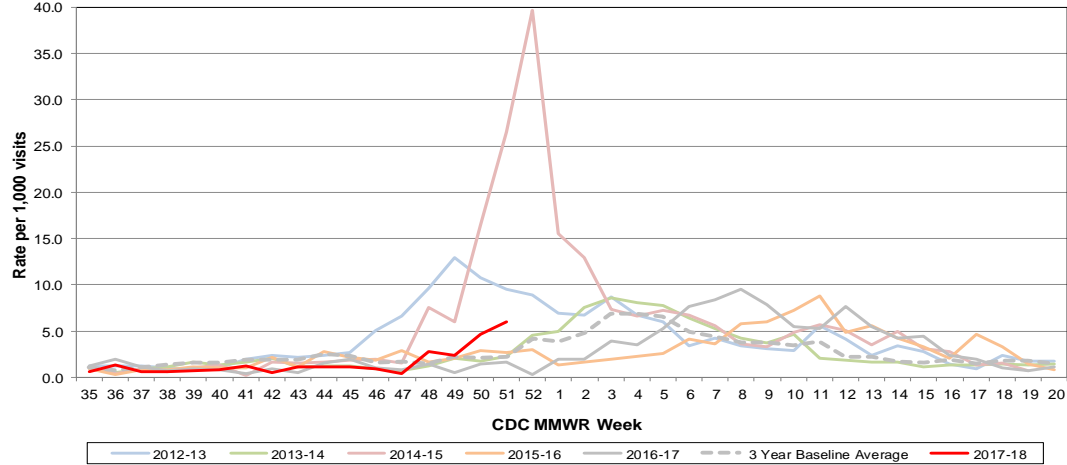
Ohio Seasonal Flu Surveillance: <http://www.odh.ohio.gov/seasflu/Ohio%20Flu%20Activity.aspx>

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/

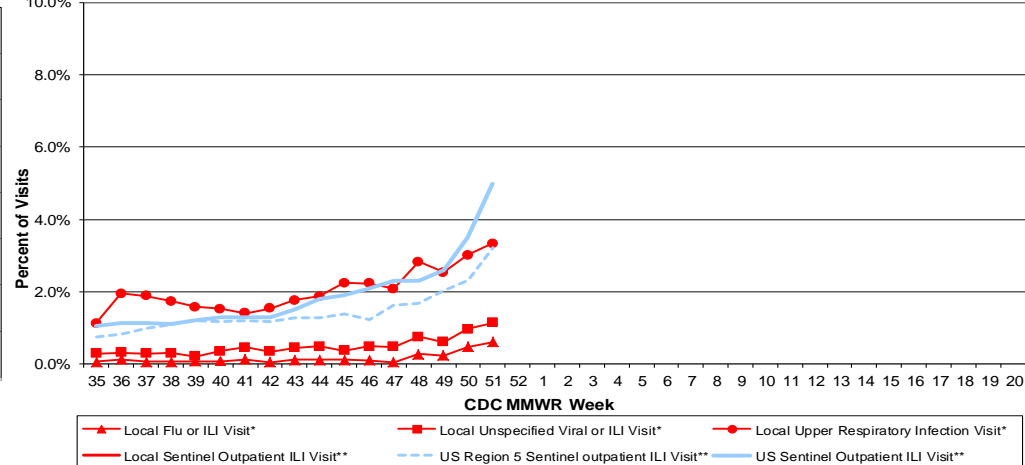
Columbus & Franklin County Influenza Monitoring Summary – Week 51, 2017 (12/17/2017-12/23/2017)

Figure 1: Local Participating Outpatient Primary Care Provider Influenza or Influenza-Like Illness Visit Rate*, Franklin County, OH



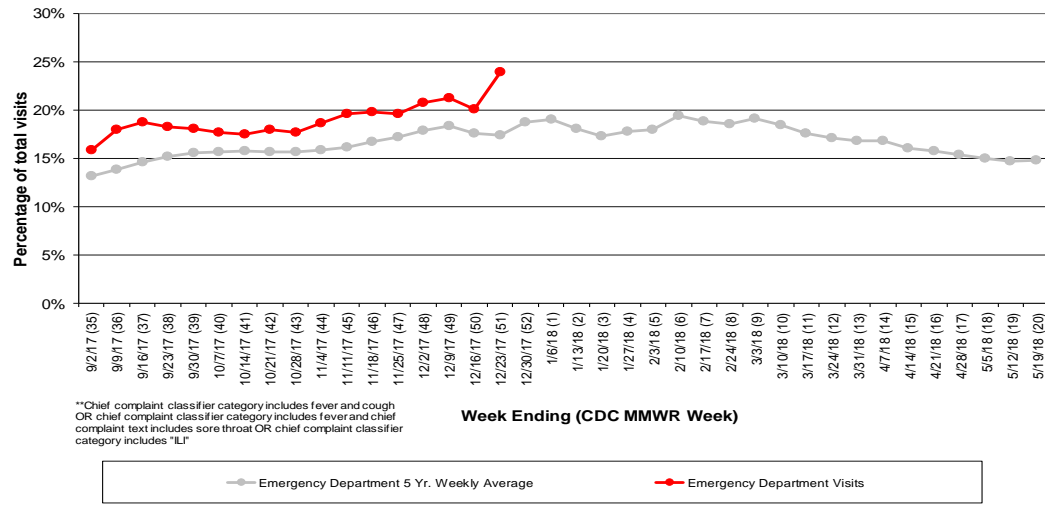
*Source: Medical Claims data from athenaHealth®
 Note: athenaHealth® claims data are subject to filing and processing time lags. Historical data are updated when they are received.

Figure 2: Percentage of Local Outpatient Participating Provider* and CDC National Outpatient Sentinel Health Care Provider Site Visits for ILI and Associated Illnesses, 2017-18**



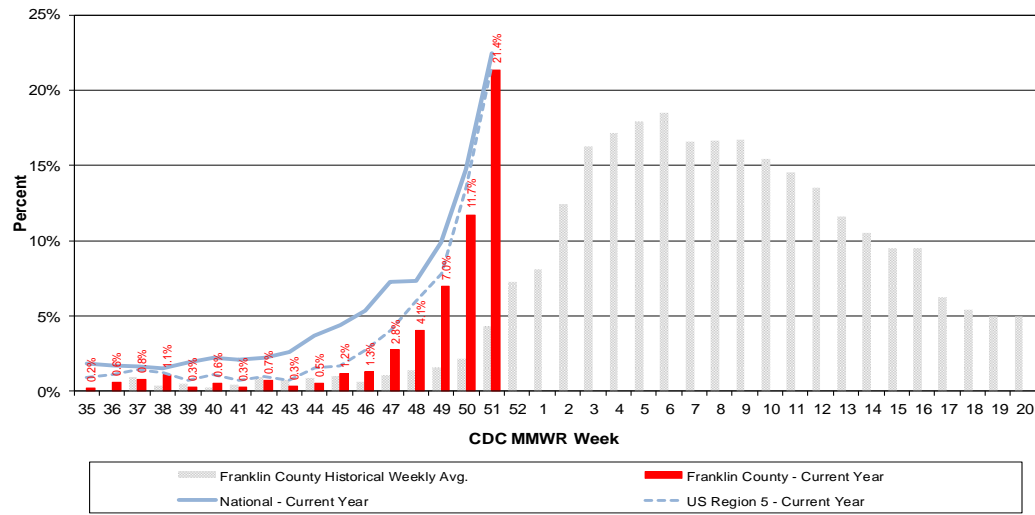
*Source: Local medical claims data provided by athenaHealth®. Data are subject to filing and processing time lags. Historical data are updated when received.
 **Source: U.S. Outpatient Influenza-like Illness Surveillance Network (ILI Net) sentinel provider visits

Figure 3: Franklin County Resident ILI Defined ED Visits, 2017-18, 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, 2017-18



Columbus & Franklin County Influenza Monitoring Summary – Week 51, 2017 (12/17/2017-12/23/2017)

Figure 5: Franklin County Resident Respiratory ED Visits, 2017-18, Franklin County, OH

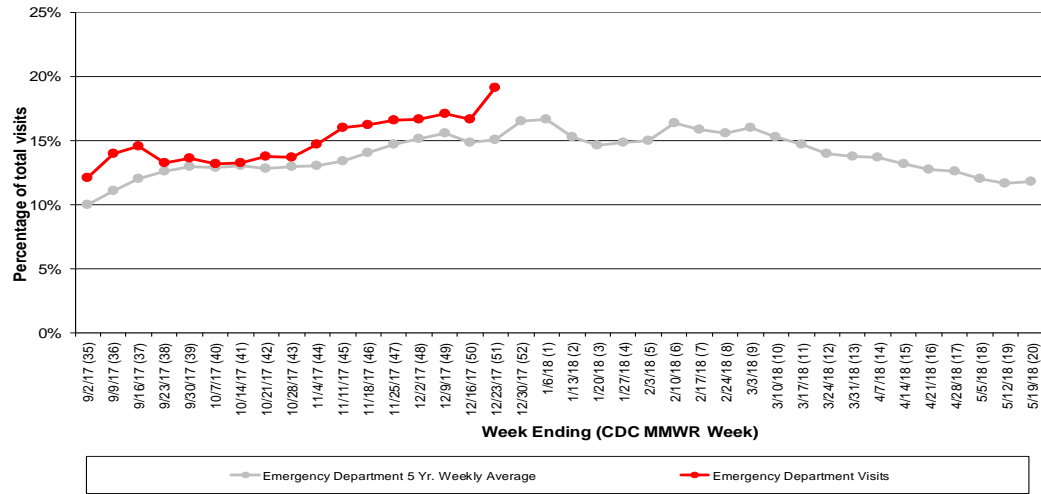


Figure 6: Selected Number of Over-the-Counter Medication Sales, 2017-18, Franklin County, OH

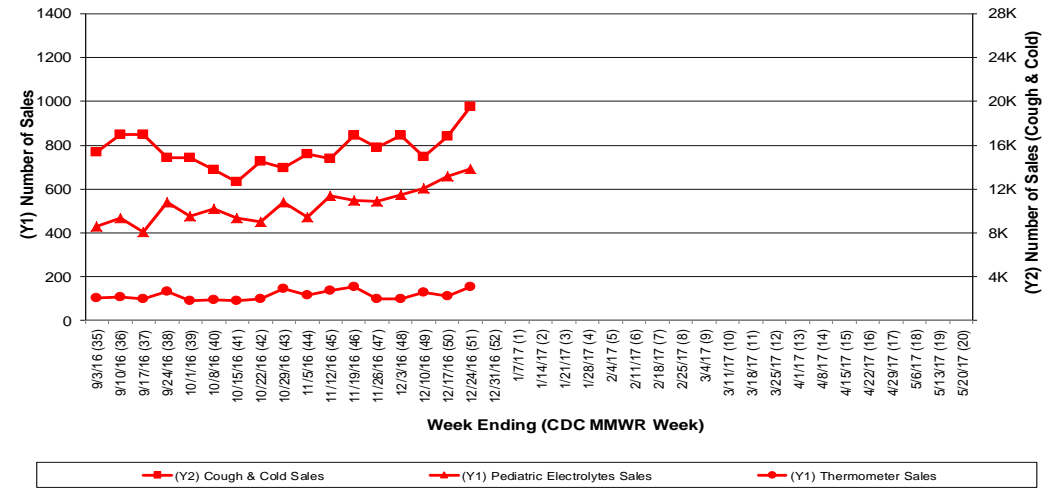
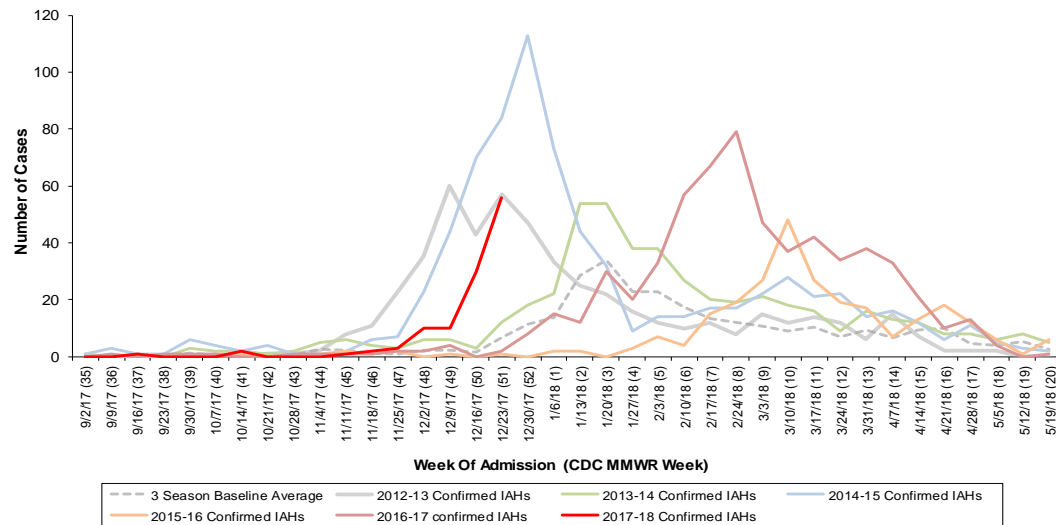


Figure 7: Franklin County Confirmed Influenza Associated Hospitalizations by Hospital Admission Week (As of 12/24/2017)



Franklin County, OH, Confirmed Influenza Hospitalization Cumulative Rates (per 100,000) by Age-Group and Admission Week, 2017-2018 Season

