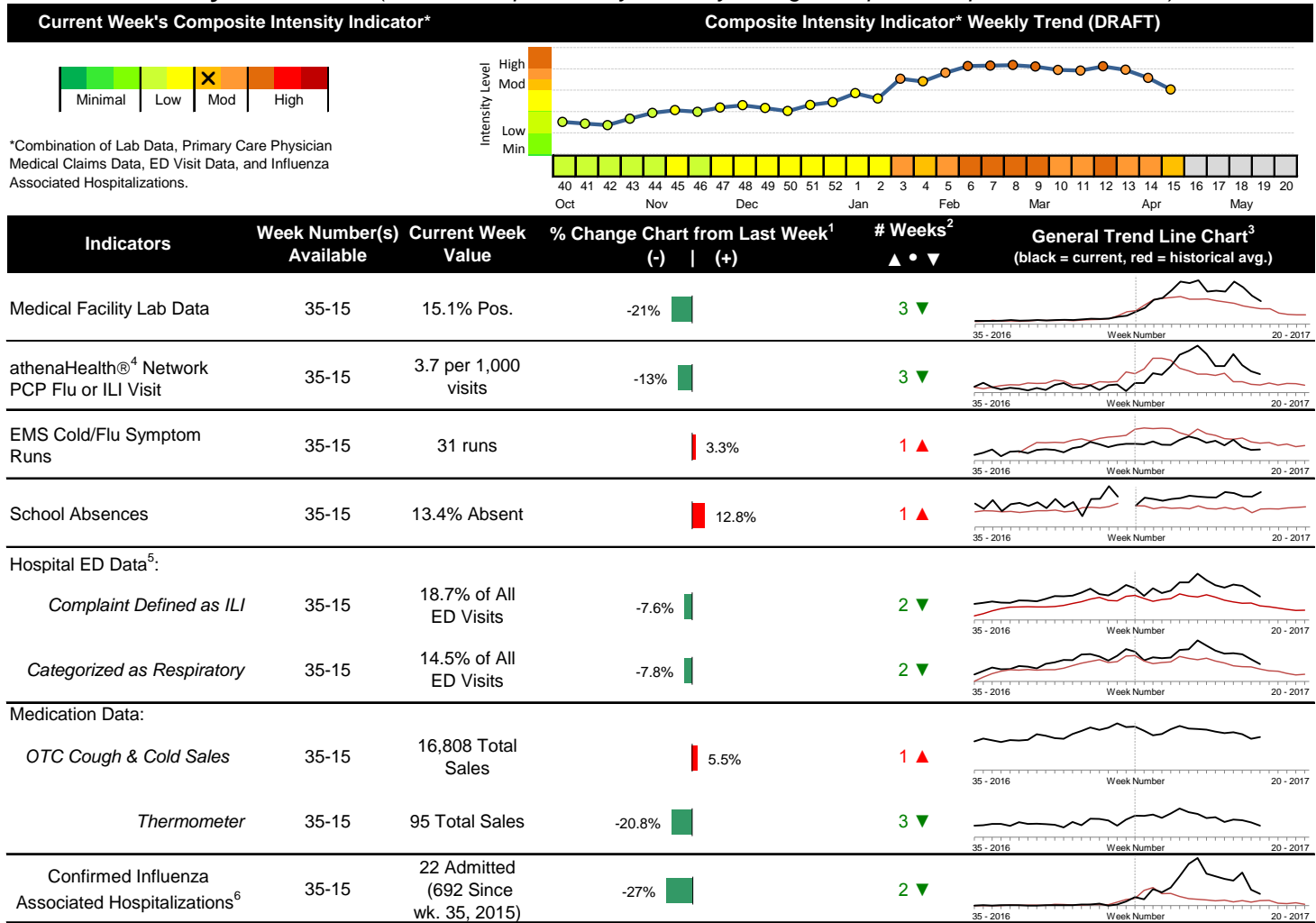


2016-2017 Columbus & Franklin County Seasonal Influenza Activity Weekly Summary (Week 15, Apr. 9th, 2017– Apr. 15th, 2017)

Highlights

- In week 15 of 2017, the majority of individual local flu activity indicator trends decreased, although most continue to be above their baseline averages. As a whole, flu intensity (composite indicator) decreased but remains slightly elevated.
- Geographic spread and local intensity designation (Click [here](#) for definitions) = WIDESPREAD, MODERATE
- Local medical facility labs reported 1,575 tests run with 238 (15.1%) positive results for week 15 of 2017. This is lower than last week's 19.1% and is higher than the weekly baseline.
- The percentage of ED visits for influenza-like-illness (ILI) and respiratory symptoms both decreased compared to last week. The percentage of ED visits for both ILI and respiratory symptoms are above their respective baseline averages for the week.
- In week 15 of 2017, the trends for categories of local over-the-counter medication sales tracked were mixed (decrease in thermometer, chest rub, adult anti-fever, and throat lozenge sales; increase in cough and cold, electrolyte, and pediatric anti-fever sales) compared to last week.
- Updated National flu activity was unavailable at the time of this report. In week 14, activity decreased but remained elevated. 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 Apr. 19, 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	667
<i>IAH comparison by Season (October - May or Weeks 35 - 20)</i>	<i>2011-12</i>	<i>2012-13</i>	<i>2013-14</i>	<i>2014-15</i>	<i>2015-16</i>	<i>2016-17</i>
<i>Current season (2016-17) is from week 35 through week 15.</i>	95	512	486	872	264	692

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 15, the preliminary local influenza and influenza-like-illness (ILI) visit rate to athenaHealth® providers (3.7 per 1,000 visits) decreased compared to the previous week and is above its baseline average for the week (Figure 1). The week 15 percentage of all Emergency Department (ED) visits categorized as ILI decreased compared to the previous week (Figure 3) and is above its historic baseline for the week.

Updated week 15 National outpatient influenza-like illness (ILI) data from ILINet was not available at the time of this report. Nationally, during week 14 of 2017, 2.6% 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 14.

Laboratory Surveillance

During week 15 of 2017, reporting Franklin County sentinel medical facility laboratories tested 1,575 specimens, with 238 (15.1%) positive (Figure 4). The total number of tests done by local reporting labs from week 35 of 2016 through week 15 of 2017 is 48,099 with 8,100 (16.8%) positives (5,437 type A, 2,653 type B, 8 type A and B, 2 type unknown).

Updated week 15 National clinical and public health laboratory data was not available at the time of this report. Nationally in week 14 of 2017, clinical laboratories reported 20,079 specimens tested for influenza viruses, 3,044 (15.2%) of which were positive (981 type A, 2,063 type B). Public health laboratories reported testing 922 specimens, 356 of which were positive (138 type A – of which 6 were A(H1N1)pdm09, 123 were A/H3, and 9 were not subtyped; 218 type B – of which 132 were Yamagata lineage, 22 were Victoria lineage, and 64 where lineage was not performed). Please visit the CDC website for more information, including cumulative data since week 40.

In week 15 of 2017, participating Ohio clinical labs reported 54,525 specimens tested for influenza this season thus far. Positive results include: (5) A(H1N1)pdm09; (637) A/H3N2; (4,136) Flu A Not Subtyped, and (3,496) Flu B (through 4/15/17). ODH Public Health Lab reported 1,223 specimens tested for influenza from various submitters this season thus far. Positive results include: (5) A(H1N1)pdm09; (745) A/H3N2; (248) Influenza B (through 4/15/17). Please visit the ODH website for more information.

ED Respiratory Visits

In the 15th week of 2017, the percentage of all ED visits categorized as respiratory decreased 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 15 of 2017, the trends for categories of local over-the-counter medication sales tracked were mixed (decrease in thermometer, chest rub, adult anti-fever, and throat lozenge sales; increase in cough and cold, electrolyte, and pediatric anti-fever sales) compared to last week.

Additional Influenza Activity Web Links:

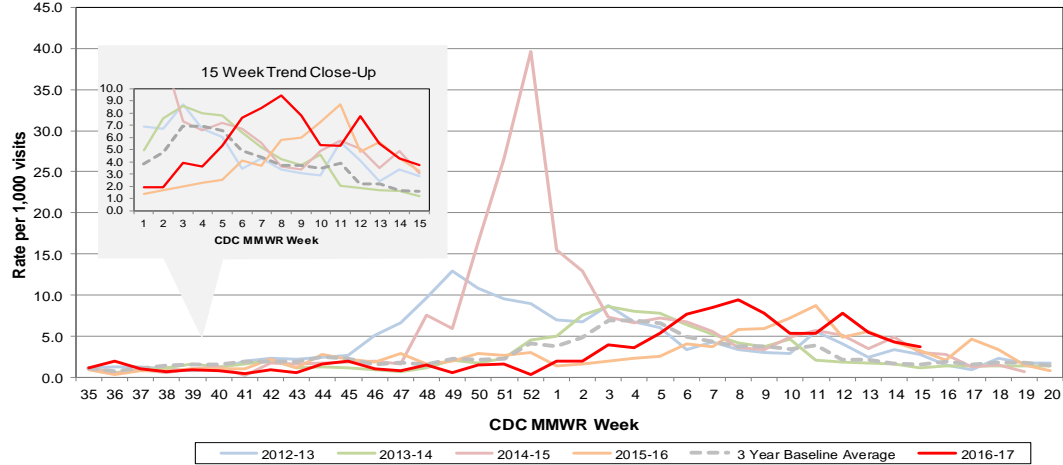
Ohio Seasonal Flu Surveillance: <https://www.odh.ohio.gov/en/features/odhfeatures/seasflu/Ohio-Flu-Activity>

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/

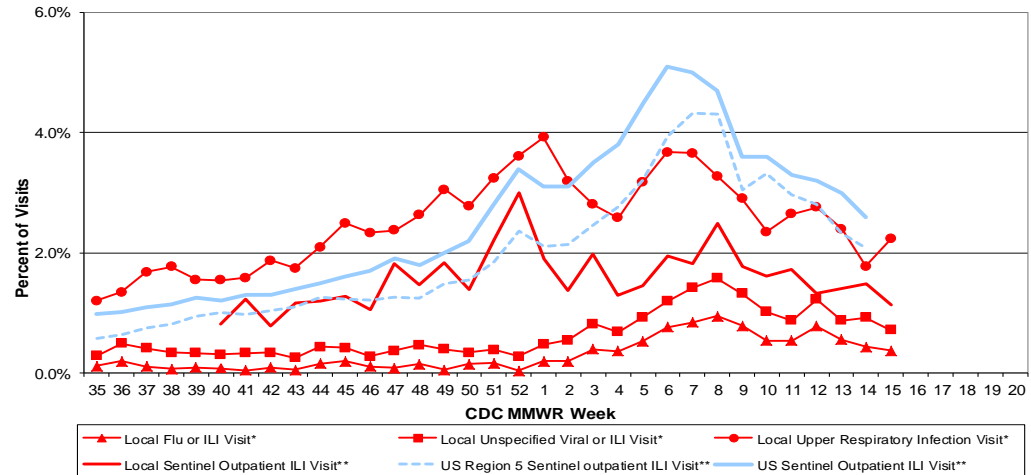
Columbus & Franklin County Influenza Monitoring Summary – Week 15, 2017 (4/9/2017-4/15/2017)

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



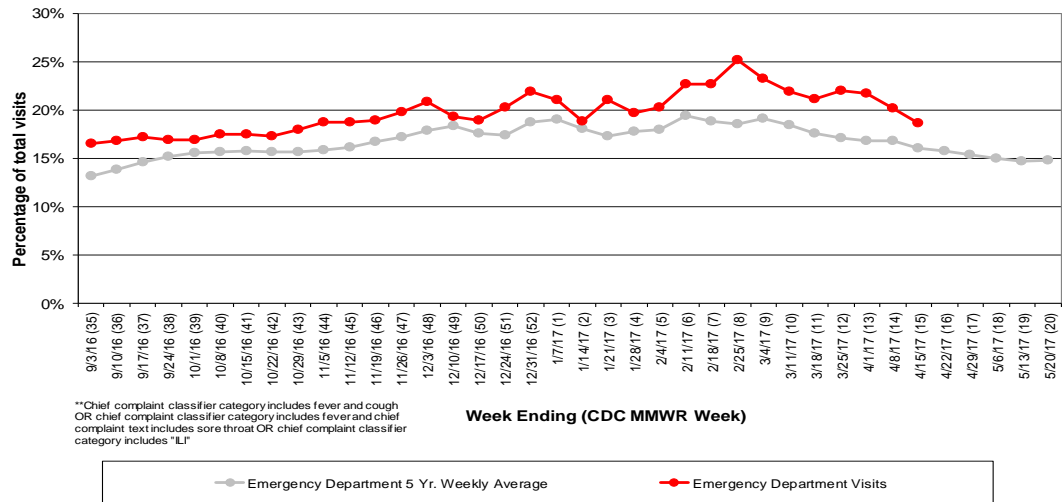
[†]Source: Medical Claims data from athenaHealth®
 Note: athenaHealth® claims data are subject to filing and processing time lags. Historical data are updated when they are received.

Figure 2: Percentage of Local Outpatient Participating Provider* and CDC National Outpatient Sentinel Health Care Provider Site visits for ILI and Associated Illnesses, 2016-17**



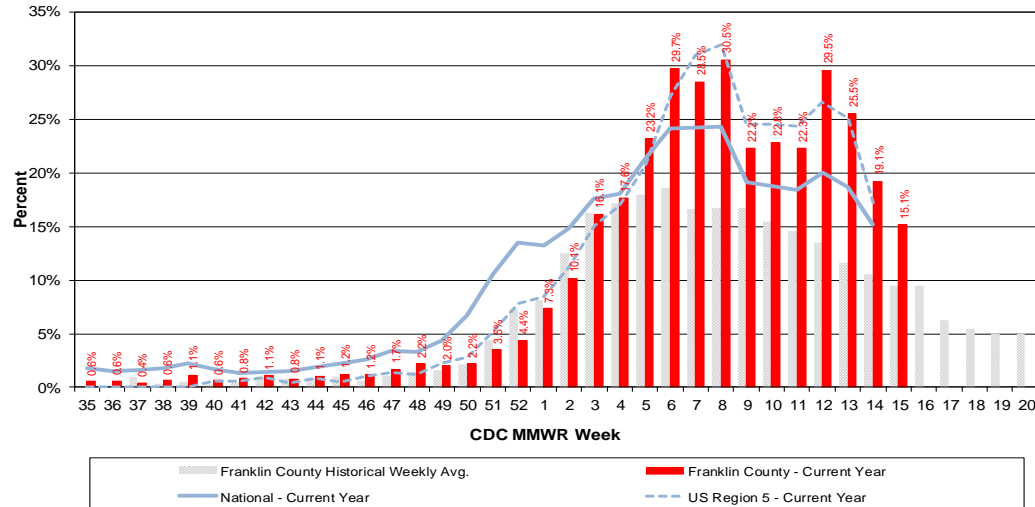
*Source: Local medical claims data provided by athenaHealth®. Data are subject to filing and processing time lags. Historical data are updated when received.
 **Source: U.S. Outpatient Influenza-like Illness Surveillance Network (ILINet) sentinel provider visits

Figure 3: Franklin County Resident ILI Defined ED Visits, 2016-17, 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, 2016-17



Columbus & Franklin County Influenza Monitoring Summary – Week 15, 2017 (4/9/2017-4/15/2017)

Figure 5: Franklin County Resident Respiratory ED Visits, 2016-17, Franklin County, OH

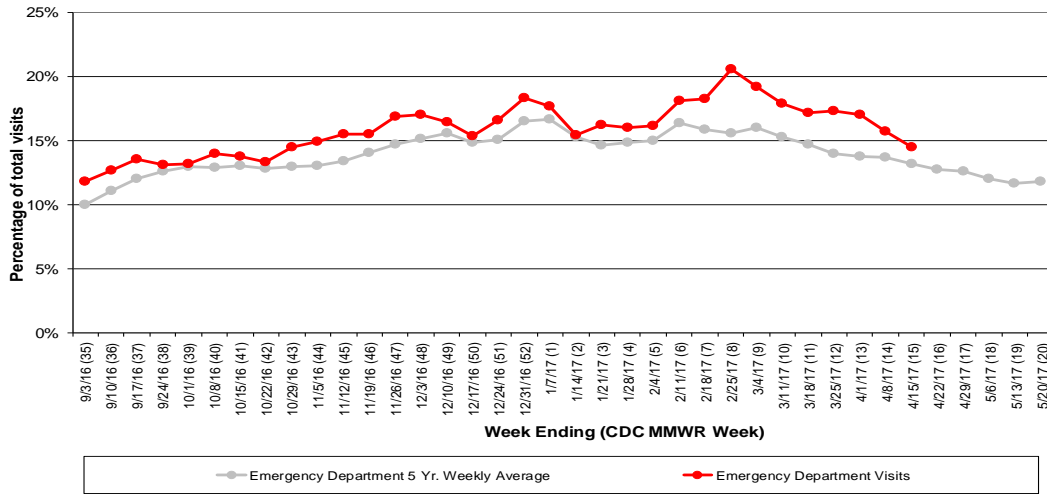


Figure 6: Selected Number of Over-the-Counter Medication Sales, 2016-17, Franklin County, OH

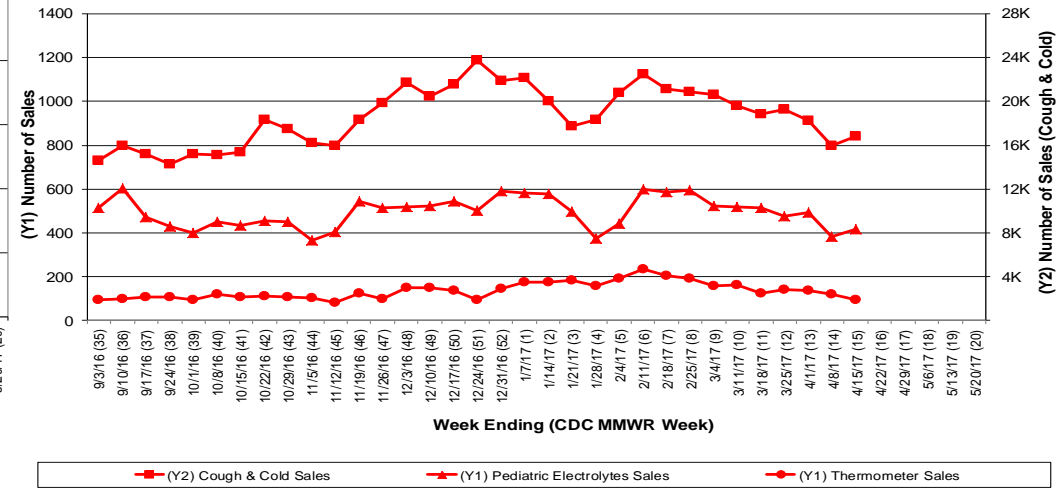
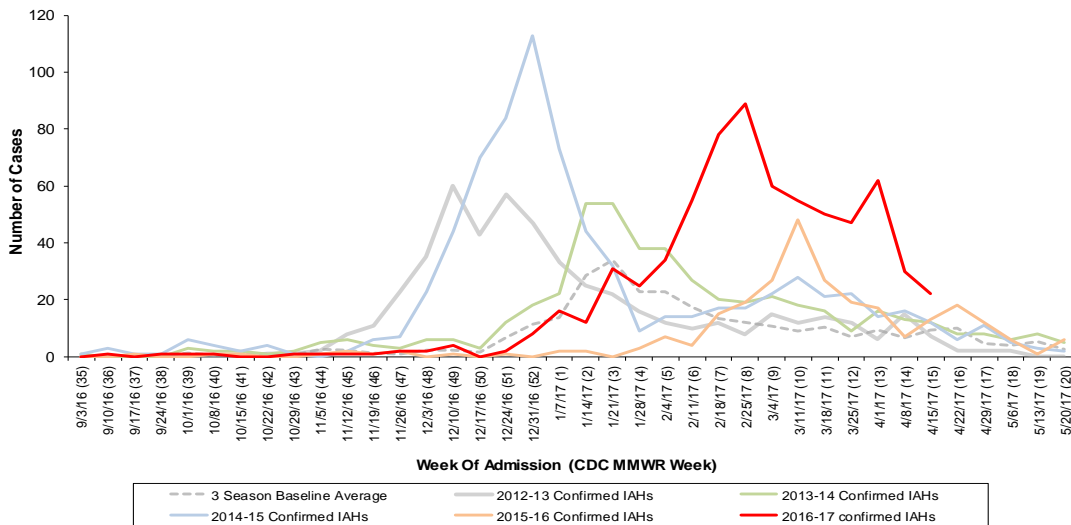


Figure 7: Franklin County Confirmed Influenza Associated Hospitalizations by Hospital Admission Week (As of 4/19/2017)



Franklin County, OH, Confirmed Influenza Hospitalization Cumulative Rates (per 100,000) by Age-Group and Admission Week, 2016-2017 Season

