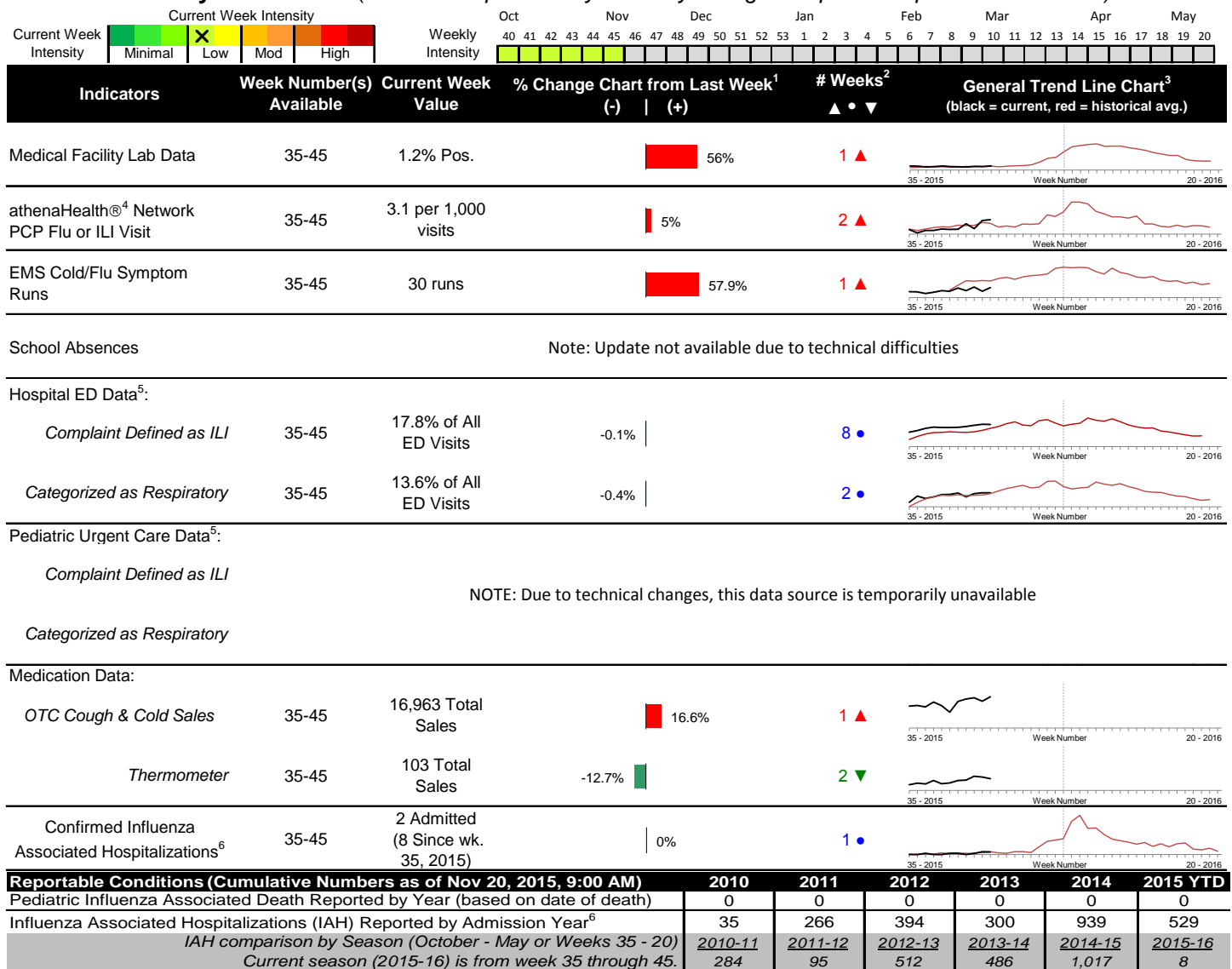


Highlights

- In week 45, local flu activity indicator trends were mixed. In general, local flu intensity continues to be low and was slightly higher than the previous week.
- Geographic spread and local intensity designation (Click [here](#) for definitions) = SPORADIC, LOW
- Local medical facility labs reported 780 tests run with 9 (1.2%) positive results for week 45 of 2015. This is higher than last week's 0.74% and is similar to the weekly baseline.
- The percentage of ED visits for influenza-like-illness (ILI) and respiratory symptoms were both stable compared to week 44. The percentage of ED visits for ILI is slightly above the baseline average while respiratory symptom visits are similar to its weekly baseline average.
- In week 45 of 2015, trends for the local over-the-counter medication sales were mixed (increase in cough and cold, electrolyte, chest rub, and throat lozenge sales; decrease in thermometer, adult anti-fever, and pediatric anti-fever sales) compared to last week.
- Nationally in week 45, influenza activity increased slightly. 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.)



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.

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.

CDC 122-Cities Mortality Reporting System: Pneumonia and Influenza (P&I) Mortality

In week 45 of 2015, 4.9% of all Columbus and Franklin County deaths were attributed to pneumonia and influenza. Nationally, 5.3% of deaths reported were attributed to pneumonia and influenza in week 45. This national percentage is below the national epidemic threshold of 6.3% for week 45.

Influenza Morbidity and Influenza-Like Illness (ILI) Reports

In week 45, the preliminary local influenza and influenza-like-illness (ILI) visit rate to athenaHealth® providers (3.1 per 1,000 visits) increased compared to the previous week and is above the baseline average for the week (Figure 1). The week 45 percentage of Emergency Department (ED) visits for ILI symptoms was stable compared to the previous week (Figure 3) and is slightly higher than the historic baseline for the week.

Nationally, during week 45 of 2015, 1.6% of patient visits reported through the US Outpatient Influenza-like Illness Surveillance Network (ILINet), were due to influenza-like illness (ILI). The percentage is below the national baseline of 2.1%.

Laboratory Surveillance

During week 45 of 2015, reporting Franklin County sentinel medical facility laboratories tested 780 specimens, with 9 (1.2%) positive (Figure 4). The total number of tests done by local reporting labs from week 35 of 2014 through week 45 of 2015 is 7,016 with 57 (0.8%) positives (37 type A, 19 type B, 1 both A and B, 0 type unknown).

Nationally in week 45 of 2015, clinical laboratories reported 11,899 specimens tested for influenza viruses, 194 (1.6%) of which were positive (111 type A, 83 type B). Public health laboratories reported testing 648 specimens, 25 of which were positive (18 type A – of which 6 were A(H1N1)pdm09, 10 were A/H3, and 2 were not subtyped; 7 type B – of which 2 were Victoria lineage, 1 was Yamagata lineage, and 4 lineage not performed). Please visit the CDC website for more information.

Participating Ohio clinical labs reported 3,767 specimens tested for influenza this season thus far. Positive results include: (1) A(H1N1)pdm09; (1) A/H3N2; (8) Flu A Not Subtyped, and (5) Flu B (through 11/14/15). ODH Public Health Lab reported 53 specimens tested for influenza from various submitters this season thus far. Positive results include: (2) A(H1N1)pdm09; (0) A/H3N2; (0) Influenza B (through 11/14/15). Please visit the ODH website for more information.

ED Respiratory Visits

In the 45th week of 2015, the percentage of all ED visits categorized as *respiratory* was stable compared to the percentage seen the previous week and is similar to its historic baseline for the week (Figure 5).

Over-the-Counter (OTC) Medication Sales

In week 45 of 2015, trends for the local over-the-counter medication sales tracked were mixed (increase in cough and cold, electrolyte, chest rub, and throat lozenge sales; decrease in thermometer, adult anti-fever, and pediatric anti-fever sales) compared to last week.

Additional Influenza Activity Web Links:

Ohio Seasonal Flu Surveillance: <http://www.odh.ohio.gov/features/odhfeatures/seasflu/ohfluactivity.aspx>

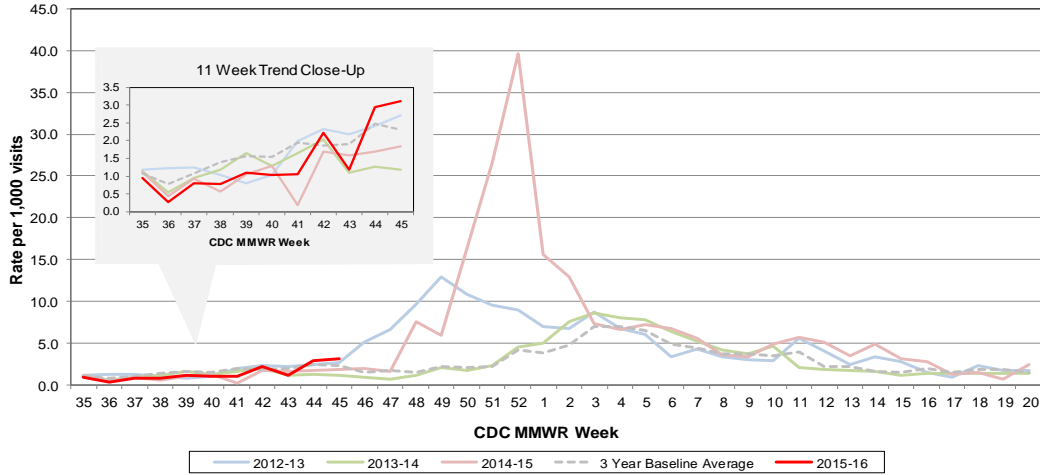
CDC National Seasonal Flu Surveillance Reports: <http://www.cdc.gov/flu/weekly/>

CDC International Flu Activity Map: <http://www.cdc.gov/flu/international/activity.htm>

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

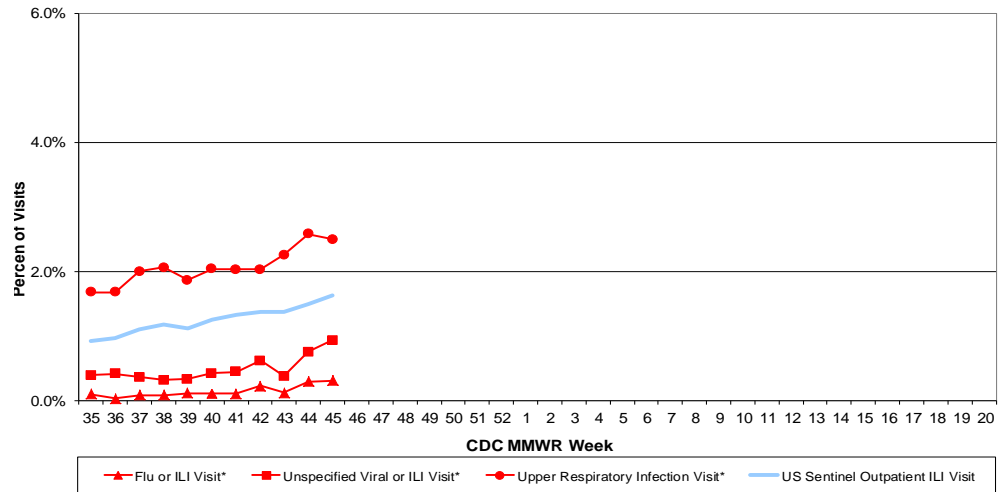
Columbus & Franklin County Influenza Monitoring Summary – Week 45, 2015 (11/8/2015-11/14/2015)

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



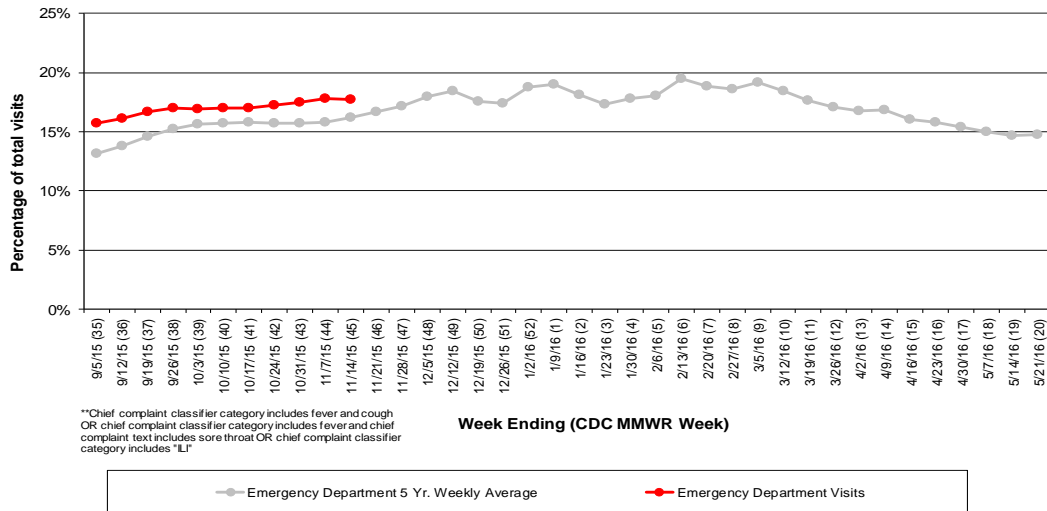
*Source: Medical Claims data from athenaHealth®
 Note: athenaHealth® claims data are subject to filing and processing time lags. Historical data are updated when they are received.

Figure 2: Percentage of Local Outpatient Participating Provider* and CDC National Outpatient Sentinel Health Care Provider Site visits for ILI and Associated Illnesses, 2015-16



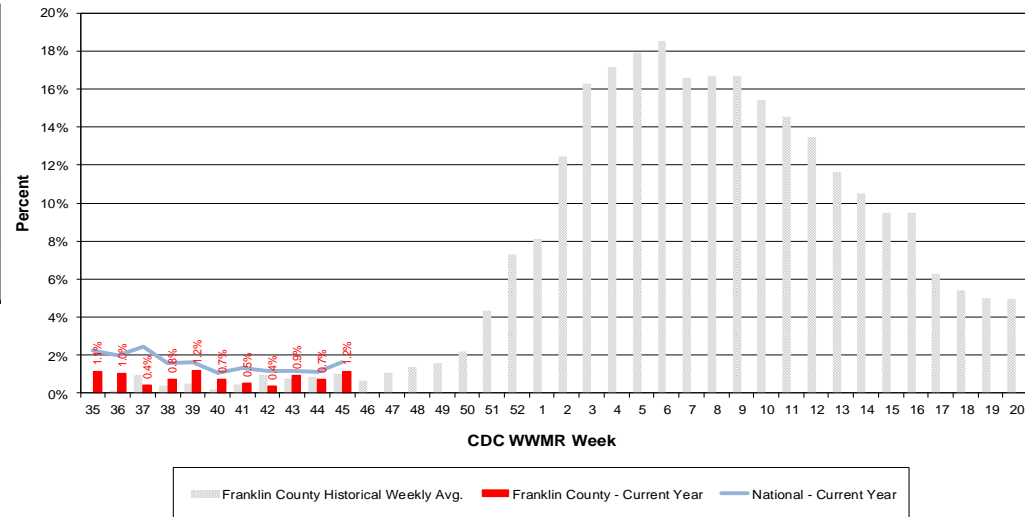
*Source: Local medical claims data provided by athenaHealth®
 Note: athenaHealth® claims data are subject to filing and processing time lags. Historical data are updated when they are received.

Figure 3: Franklin County Resident ILI Defined ED Visits, 2015-16, 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 "ILI"

Figure 4: Percentage of Local Reporting and National Laboratory Positive Influenza Tests by Week, 2015-16



Columbus & Franklin County Influenza Monitoring Summary – Week 45, 2015 (11/8/2015-11/14/2015)

Figure 5: Franklin County Resident Respiratory ED Visits, 2015-16, Franklin County, OH

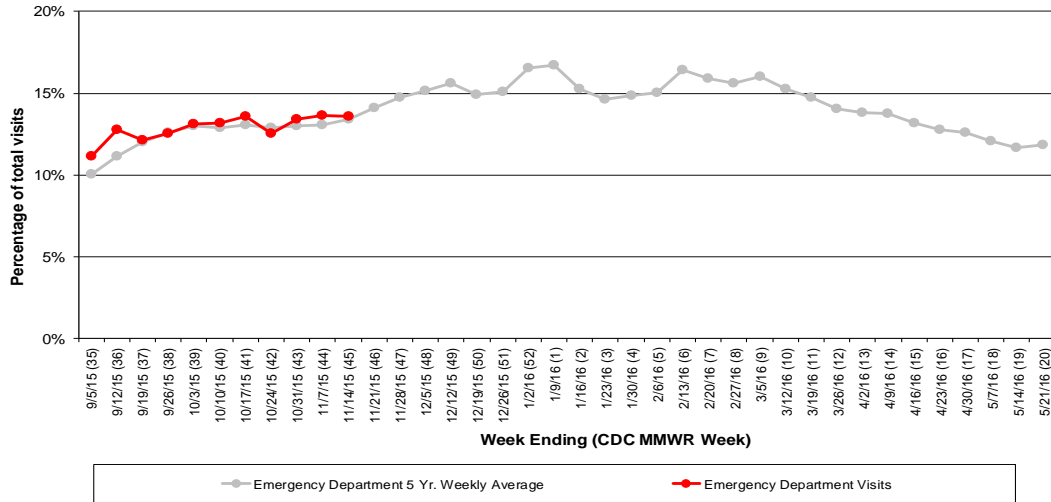


Figure 6: Selected Number of Over-the-Counter Medication Sales, 2015-16, Franklin County, OH

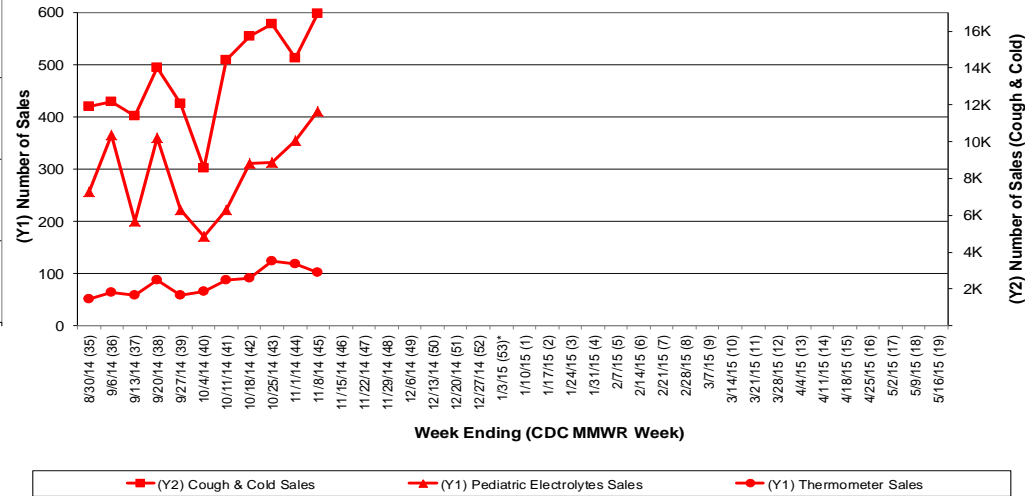
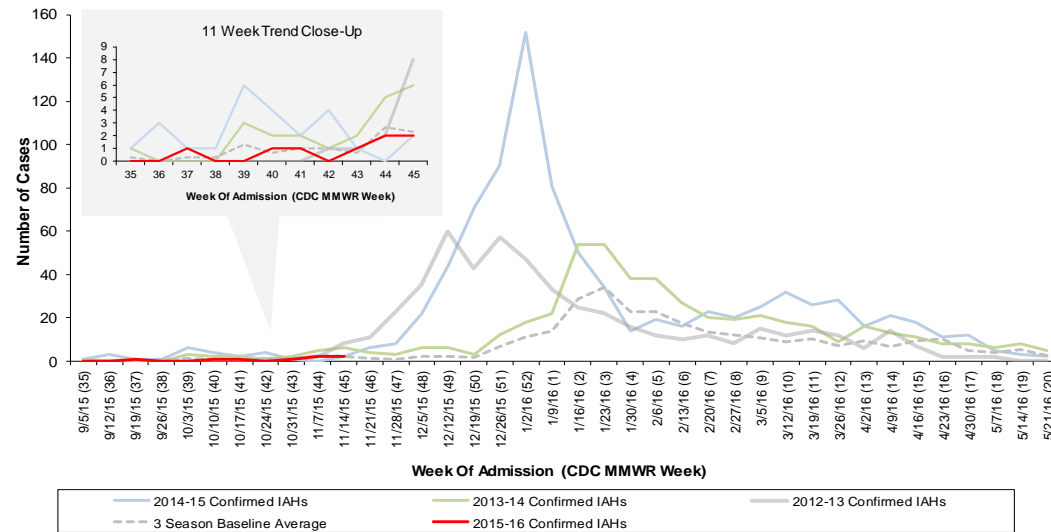


Figure 7: Franklin County Confirmed Influenza Associated Hospitalizations by Hospital Admission Week (As of 9:00 AM, 11/20/2015)



Franklin County, OH, Confirmed Influenza Hospitalization Cumulative Rates (per 100,000) by Age-Group and Admission Week, 2015-2016 Season

