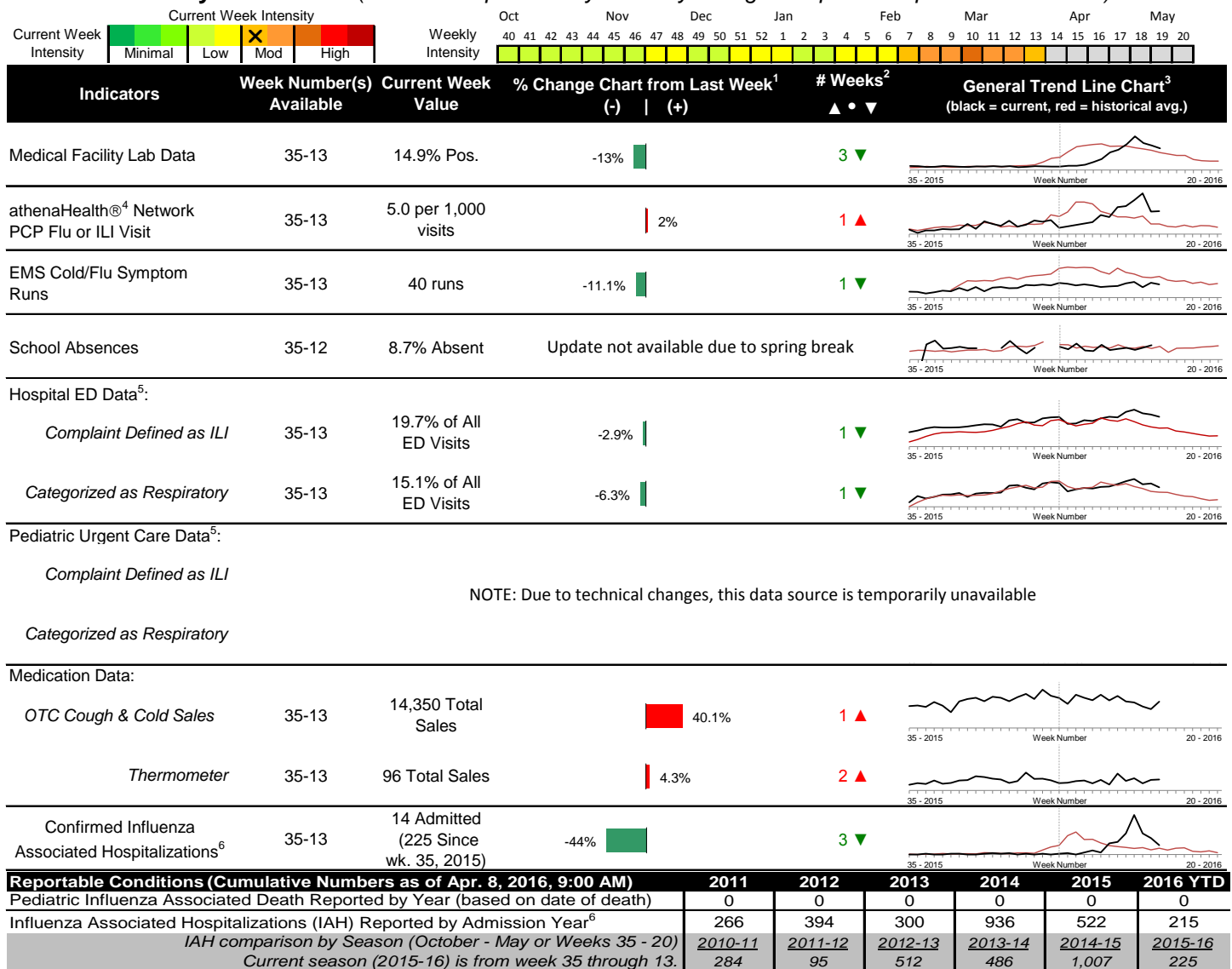


Highlights

- In week 13 of 2016, the majority of individual local flu activity indicator trends decreased. Overall, flu intensity was moderate for week 13 and continued to decrease after hitting a high on week 10.
- Geographic spread and local intensity designation (Click [here](#) for definitions) = WIDESPREAD, MODERATE
- Local medical facility labs reported 1,508 tests run with 225 (14.9%) positive results for week 13 of 2016. This is lower than last week's 17.1% and is higher than the weekly baseline.
- The percentage of ED visits for both influenza-like-illness (ILI) and respiratory symptoms decreased slightly compared to week 12. The percentage of ED visits for both ILI and respiratory symptoms are higher than their respective baseline averages for the week.
- In week 13 of 2016, trends for all categories of local over-the-counter medication sales tracked increased (increase in cough and cold, electrolyte, thermometer, chest rub, adult anti-fever, pediatric anti-fever, and throat lozenge sales) compared to last week.
- Nationally in week 13, influenza activity decreased slightly, but remained elevated in the United States. 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. 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.

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

In week 13 of 2016, 3.9% of all Columbus and Franklin County deaths were attributed to pneumonia and influenza. Nationally in week 13, 7.4% of deaths reported were attributed to pneumonia and influenza. This national percentage was above the national epidemic threshold for week 13.

Influenza Morbidity and Influenza-Like Illness (ILI) Reports

In week 13, the preliminary local influenza and influenza-like-illness (ILI) visit rate to athenaHealth® providers (5.0 per 1,000 visits) increased slightly compared to the previous week and is above its baseline average for the week (Figure 1). The week 123percentage of all Emergency Department (ED) visits categorized as ILI decreased slightly compared to the previous week (Figure 3) and is higher than its historic baseline for the week.

Nationally, during week 13 of 2016, 2.4% of patient visits reported through ILINet were due to influenza-like illness (ILI). The percentage is above the national baseline of 2.1% for week 13.

Laboratory Surveillance

During week 13 of 2016, reporting Franklin County sentinel medical facility laboratories tested 1,508 specimens, with 225 (14.9%) positive (Figure 4). The total number of tests done by local reporting labs from week 35 of 2014 through week 13 of 2016 is 32,527 with 2,530 (7.8%) positives (2,189 type A, 337 type B, 4 both A and B, 0 type unknown).

Nationally in week 13 of 2016, clinical laboratories reported 20,921 specimens tested for influenza viruses, 3,383 (16.2%) of which were positive (2,215 type A, 1,168 type B). Public health laboratories reported testing 1,333 specimens, 642 of which were positive (434 type A – of which 345 were A(H1N1)pdm09, 76 were A/H3, and 13 were not subtyped; 208 type B – of which 69 were Yamagata lineage, 37 were Victoria lineage, and 102 where lineage was not performed). Please visit the CDC website for more information, including cumulative data since week 40.

In week 13 of 2016, participating Ohio clinical labs reported 27,244 specimens tested for influenza this season thus far. Positive results include: (442) A(H1N1)pdm09; (9) A/H3N2; (1,415) Flu A Not Subtyped, and (359) Flu B (through 4/2/16). ODH Public Health Lab reported 490 specimens tested for influenza from various submitters this season thus far. Positive results include: (268) A(H1N1)pdm09; (10) A/H3N2; (46) Influenza B (through 4/2/16). Please visit the ODH website for more information.

ED Respiratory Visits

In the 13th week of 2016, the percentage of all ED visits categorized as respiratory decreased slightly compared to the percentage seen the previous week and is higher than its historic baseline for the week (Figure 5).

Over-the-Counter (OTC) Medication Sales

In week 13 of 2016, trends for all categories of local over-the-counter medication sales tracked increased (increase in cough and cold, electrolyte, thermometer, chest rub, adult anti-fever, pediatric anti-fever, and throat lozenge sales) compared to last week.

Additional Influenza Activity Web Links:

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

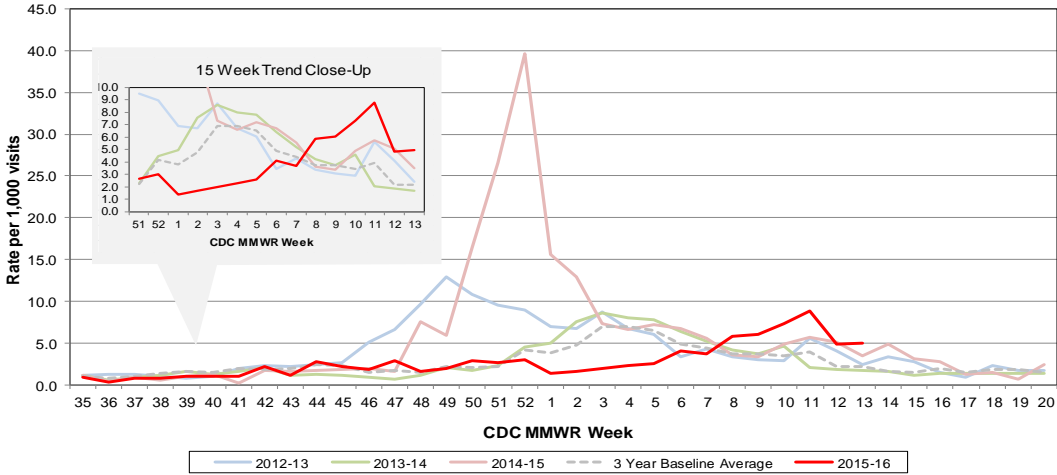
CDC National Seasonal Flu Surveillance Reports: <http://www.cdc.gov/flu/weekly/>

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/

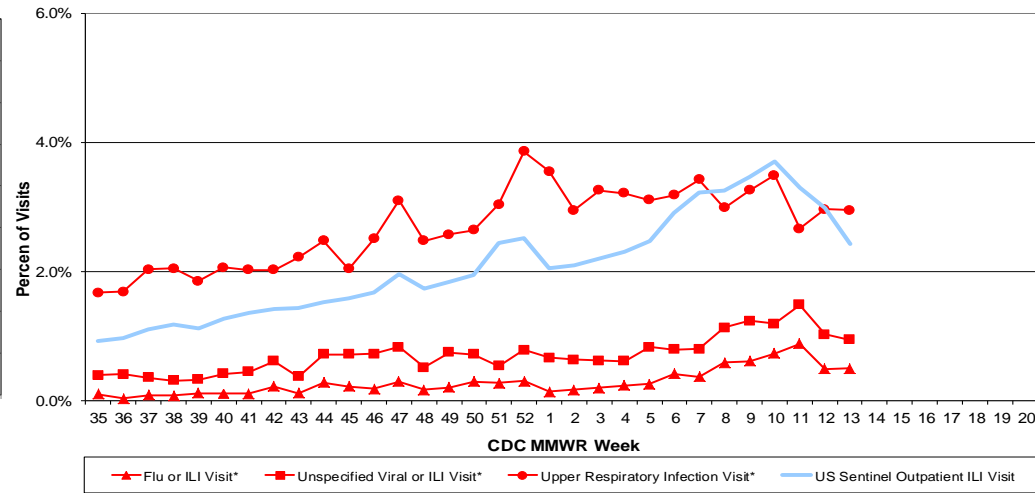
Columbus & Franklin County Influenza Monitoring Summary – Week 13, 2016 (3/27/2016-4/2/2016)

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



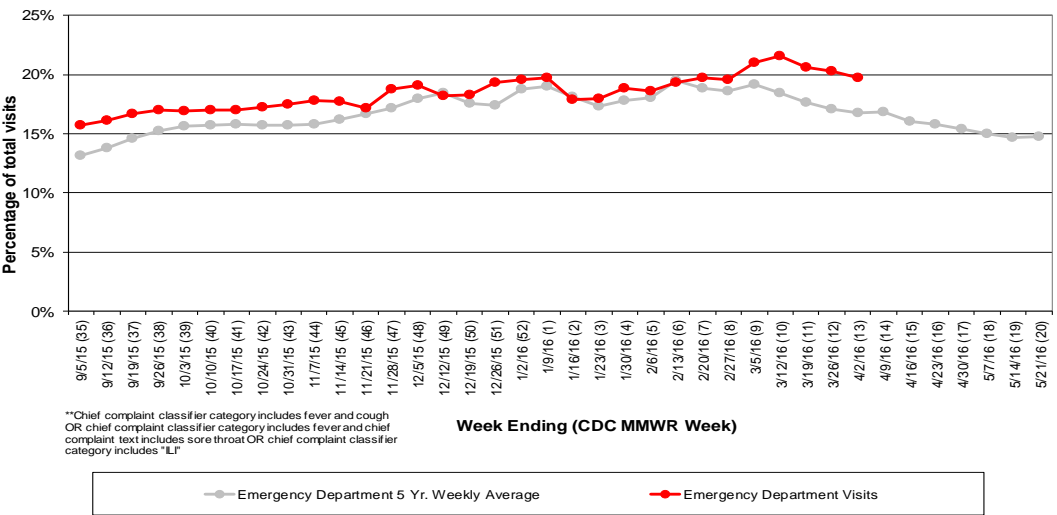
*Source: Medical Claims data from athenaHealth®
 Note: athenaHealth® claims data are subject to filing and processing time lags. Historical data are updated when they are received.

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



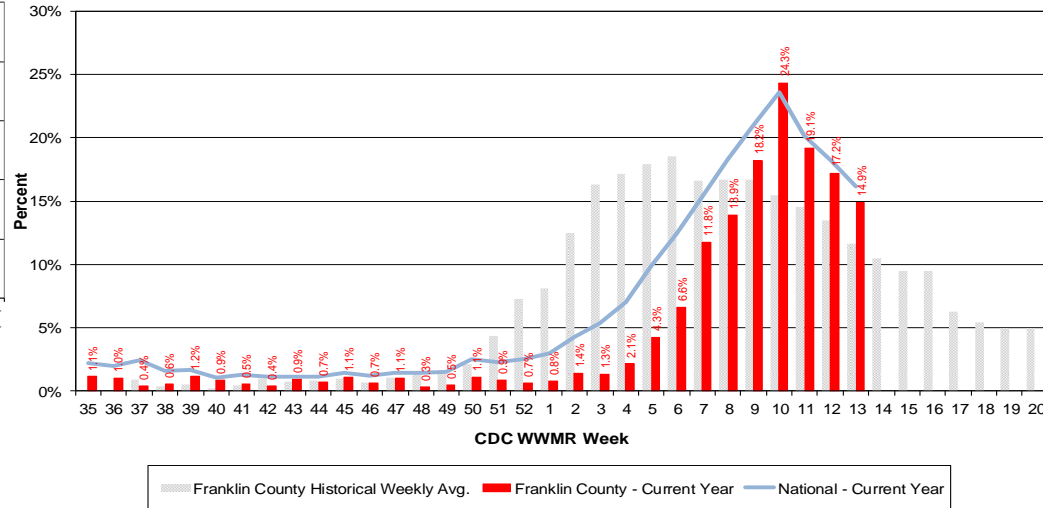
*Source: Local medical claims data provided by athenaHealth®
 Note: athenaHealth® claims data are subject to filing and processing time lags. Historical data are updated when they are received.

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 "LI"

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



Columbus & Franklin County Influenza Monitoring Summary – Week 13, 2016 (3/27/2016-4/2/2016)

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

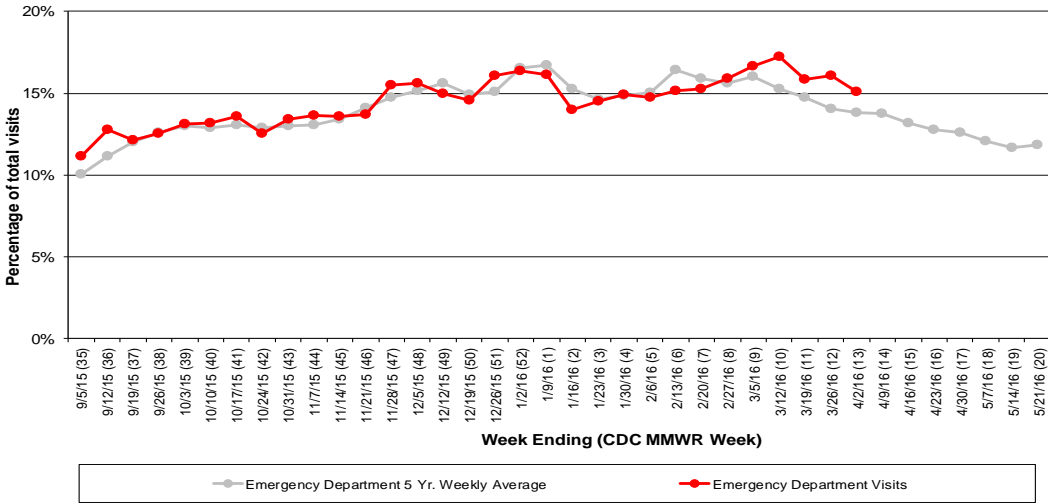


Figure 6: Selected Number of Over-the-Counter Medication Sales, 2015-16, Franklin County, OH

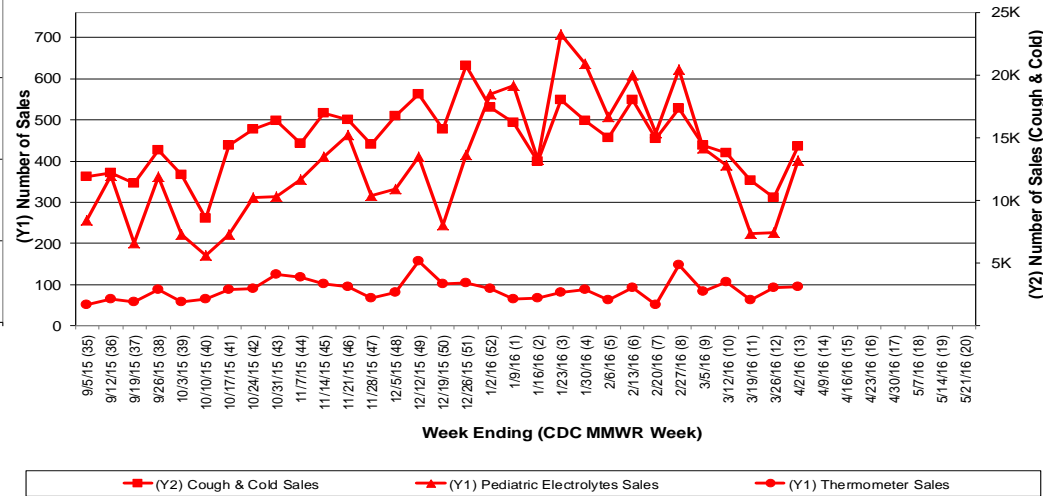
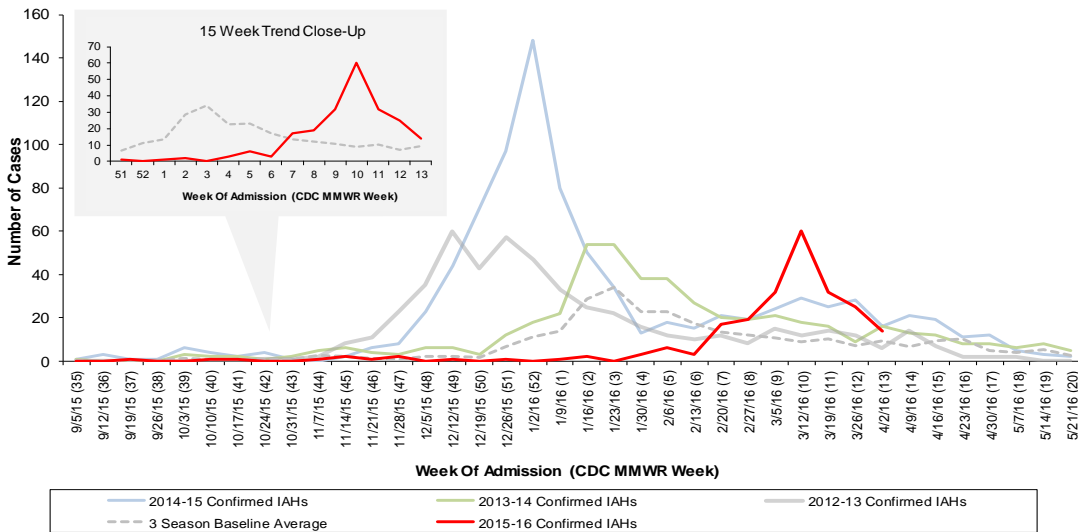


Figure 7: Franklin County Confirmed Influenza Associated Hospitalizations by Hospital Admission Week (As of 9:00 AM, 4/8/2016)



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

