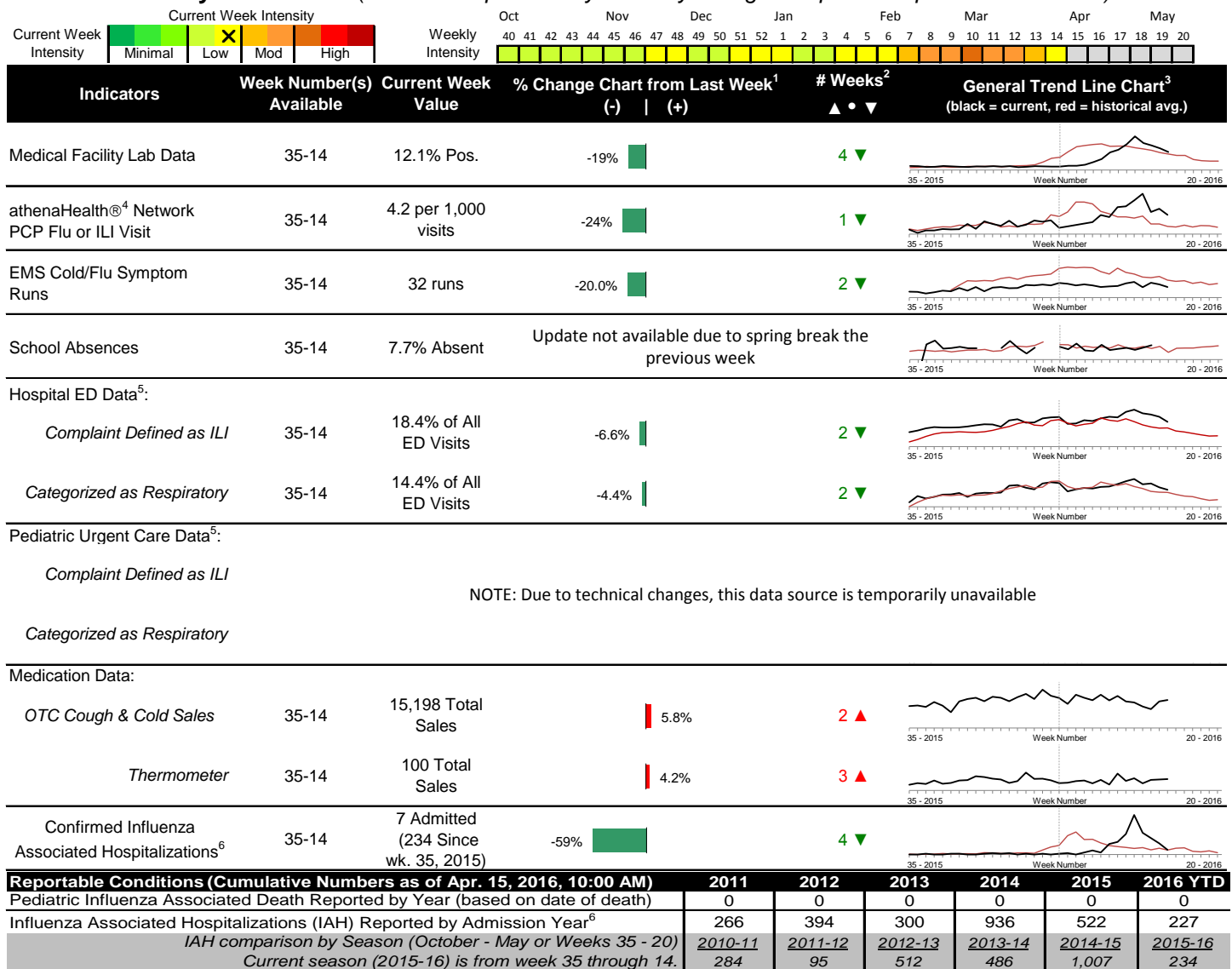


2015-2016 Columbus & Franklin County Seasonal Influenza Activity Weekly Summary (Week 14, Apr 3rd, 2016– Apr 9th, 2016)

Highlights

- In week 14 of 2016, the majority of individual local flu activity indicator trends decreased. Overall, flu intensity continued its decreasing trend and was low for week 14.
- Geographic spread and local intensity designation (Click [here](#) for definitions) = REGIONAL, LOW
- Local medical facility labs reported 1,379 tests run with 167 (12.1%) positive results for week 14 of 2016. This is lower than last week's 14.9% 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 13. The percentage of ED visits for both ILI and respiratory symptoms are higher than their respective baseline averages for the week.
- In week 14 of 2016, trends for the majority of categories of local over-the-counter medication sales tracked increased (increase in cough and cold, electrolyte, thermometer, chest rub, adult anti-fever, and throat lozenge sales; decrease in pediatric anti-fever sales) compared to last week.
- Nationally in week 14, influenza activity decreased, 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 14 of 2016, 6.4% of all Columbus and Franklin County deaths were attributed to pneumonia and influenza. Nationally in week 14, 7.5% of deaths reported were attributed to pneumonia and influenza. This national percentage was above the national epidemic threshold for week 14.

Influenza Morbidity and Influenza-Like Illness (ILI) Reports

In week 14, the preliminary local influenza and influenza-like-illness (ILI) visit rate to athenaHealth® providers (4.2 per 1,000 visits) decreased compared to the previous week and is above its baseline average for the week (Figure 1). The week 14 percentage 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 14 of 2016, 2.1% of patient visits reported through ILINet were due to influenza-like illness (ILI). The percentage is at the national baseline of 2.1% for week 14.

Laboratory Surveillance

During week 14 of 2016, reporting Franklin County sentinel medical facility laboratories tested 1,379 specimens, with 167 (12.1%) positive (Figure 4). The total number of tests done by local reporting labs from week 35 of 2014 through week 14 of 2016 is 33,906 with 2,697 (7.9%) positives (2,304 type A, 389 type B, 4 both A and B, 0 type unknown).

Nationally in week 14 of 2016, clinical laboratories reported 18,188 specimens tested for influenza viruses, 2,544 (14.0%) of which were positive (1,481 type A, 1,063 type B). Public health laboratories reported testing 955 specimens, 379 of which were positive (240 type A – of which 176 were A(H1N1)pdm09, 42 were A/H3, and 22 were not subtyped; 139 type B – of which 52 were Yamagata lineage, 34 were Victoria lineage, and 53 where lineage was not performed). Please visit the CDC website for more information, including cumulative data since week 40.

In week 14 of 2016, participating Ohio clinical labs reported 29,638 specimens tested for influenza this season thus far. Positive results include: (464) A(H1N1)pdm09; (12) A/H3N2; (1,649) Flu A Not Subtyped, and (474) Flu B (through 4/9/16). ODH Public Health Lab reported 510 specimens tested for influenza from various submitters this season thus far. Positive results include: (279) A(H1N1)pdm09; (10) A/H3N2; (51) Influenza B (through 4/9/16). Please visit the ODH website for more information.

ED Respiratory Visits

In the 14th week of 2016, the percentage of all ED visits categorized as respiratory decreased slightly compared to the percentage seen the previous week and is slightly higher than its historic baseline for the week (Figure 5).

Over-the-Counter (OTC) Medication Sales

In week 14 of 2016, trends for the majority of categories of local over-the-counter medication sales tracked increased (increase in cough and cold, electrolyte, thermometer, chest rub, adult anti-fever, and throat lozenge sales; decrease in 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>

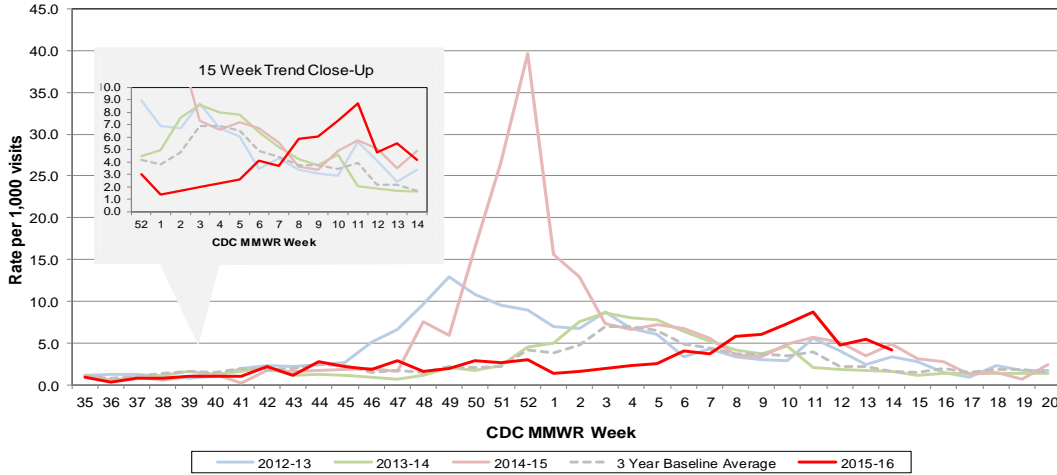
CDC National Seasonal Flu Surveillance Reports: <http://www.cdc.gov/flu/weekly/>

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/

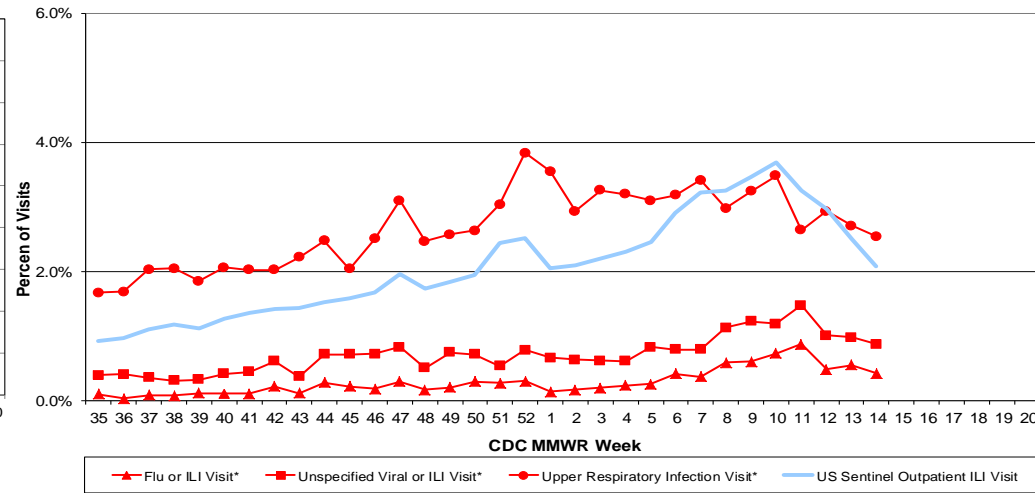
Columbus & Franklin County Influenza Monitoring Summary – Week 14, 2016 (4/3/2016-4/9/2016)

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



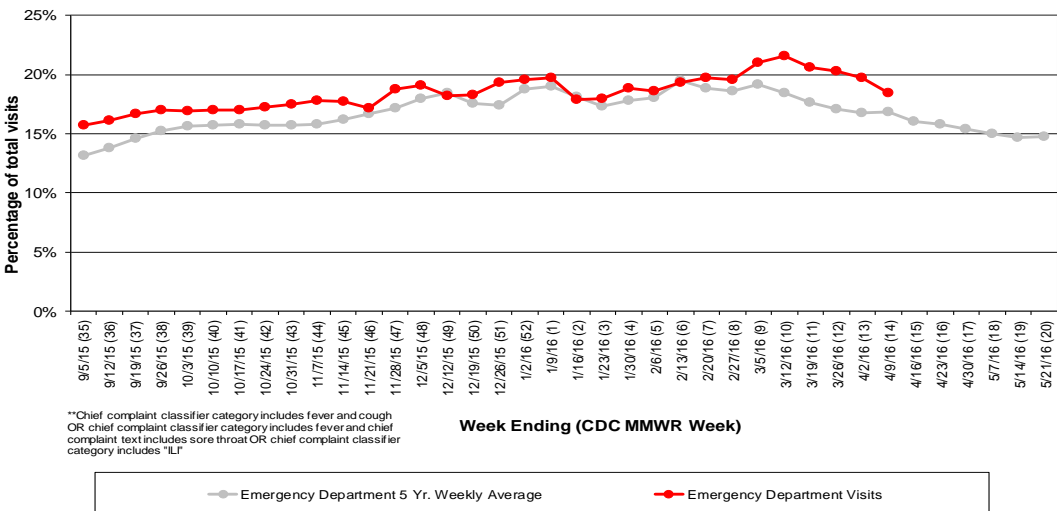
*Source: Medical Claims data from athenaHealth®
 Note: athenaHealth® claims data are subject to filing and processing time lags. Historical data are updated when they are received.

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



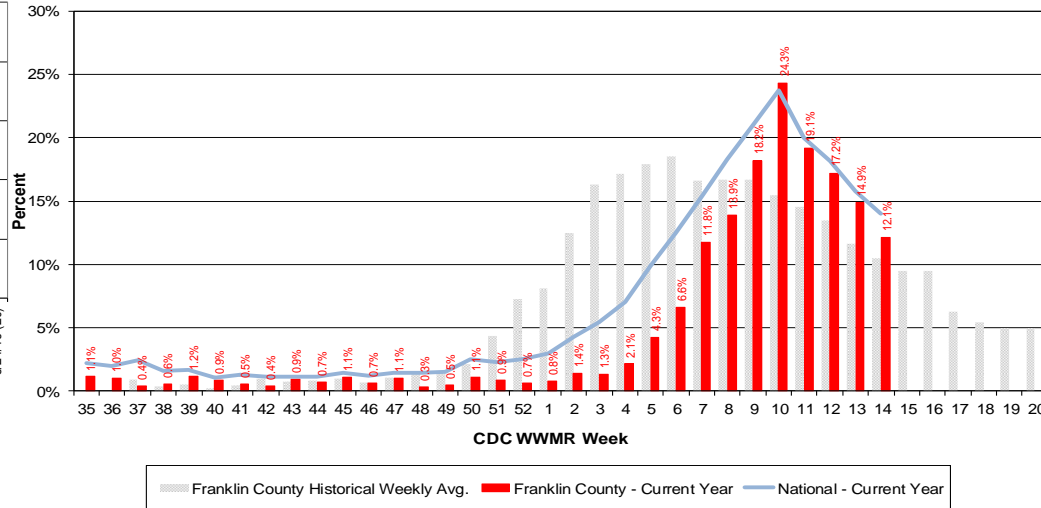
*Source: Local medical claims data provided by athenaHealth®
 Note: athenaHealth® claims data are subject to filing and processing time lags. Historical data are updated when they are received.

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 "ILI"

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



Columbus & Franklin County Influenza Monitoring Summary – Week 14, 2016 (4/3/2016-4/9/2016)

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

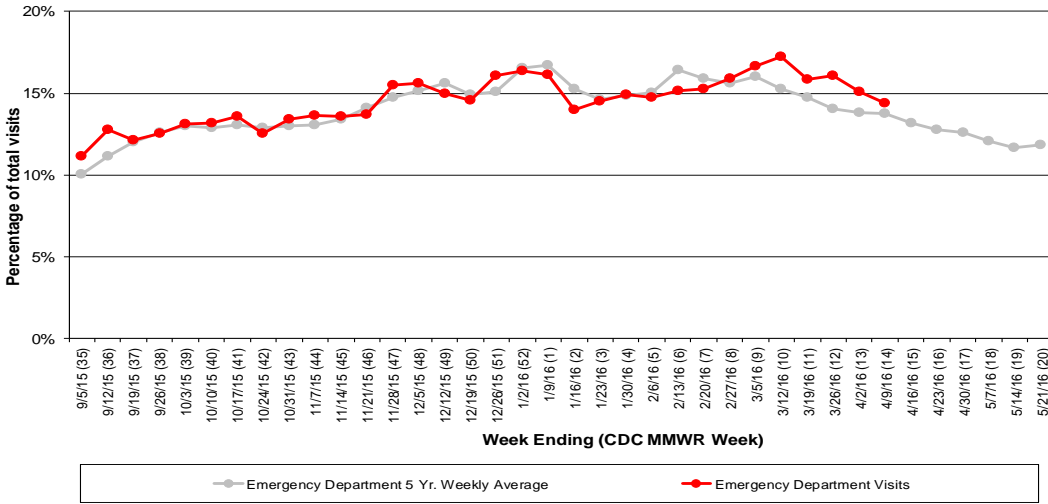


Figure 6: Selected Number of Over-the-Counter Medication Sales, 2015-16, Franklin County, OH

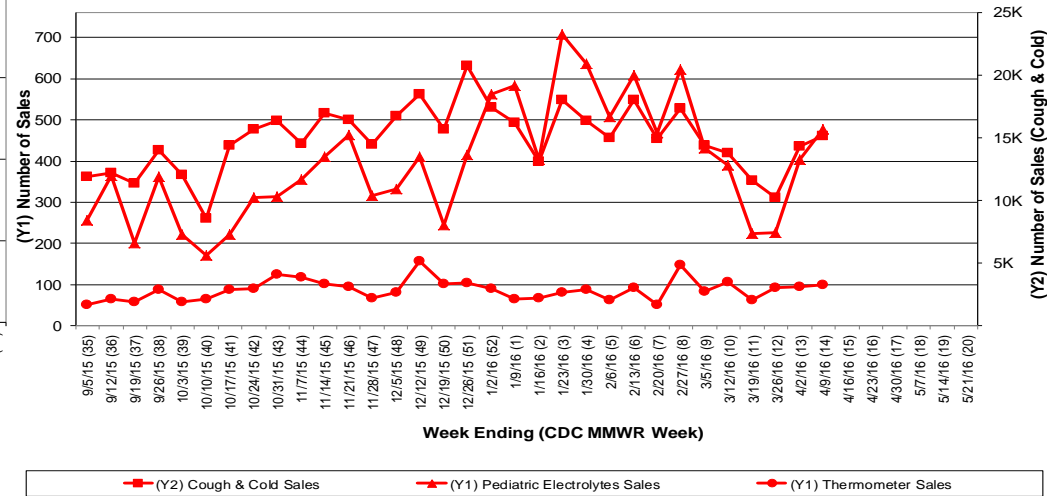
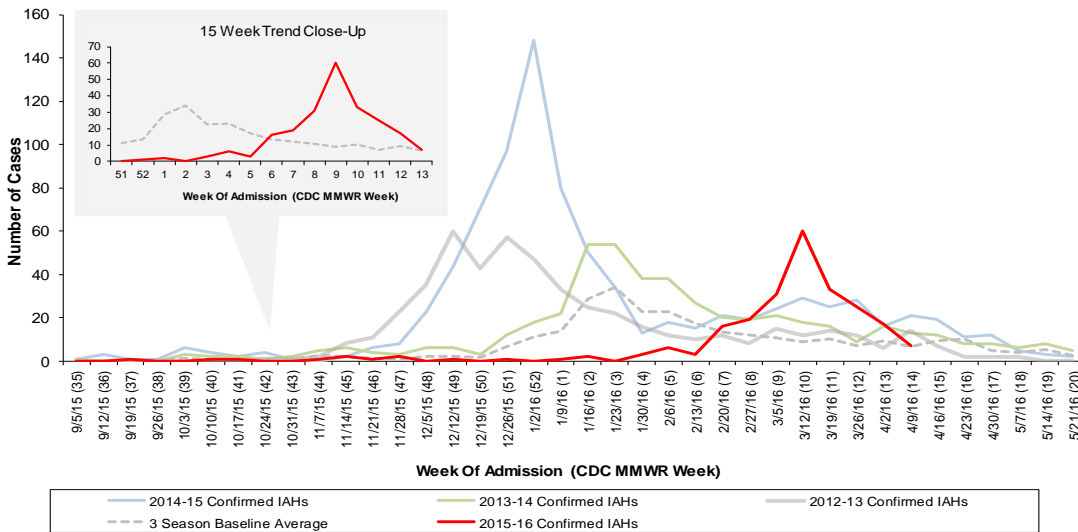


Figure 7: Franklin County Confirmed Influenza Associated Hospitalizations by Hospital Admission Week (As of 10:00 AM, 4/15/2016)



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

