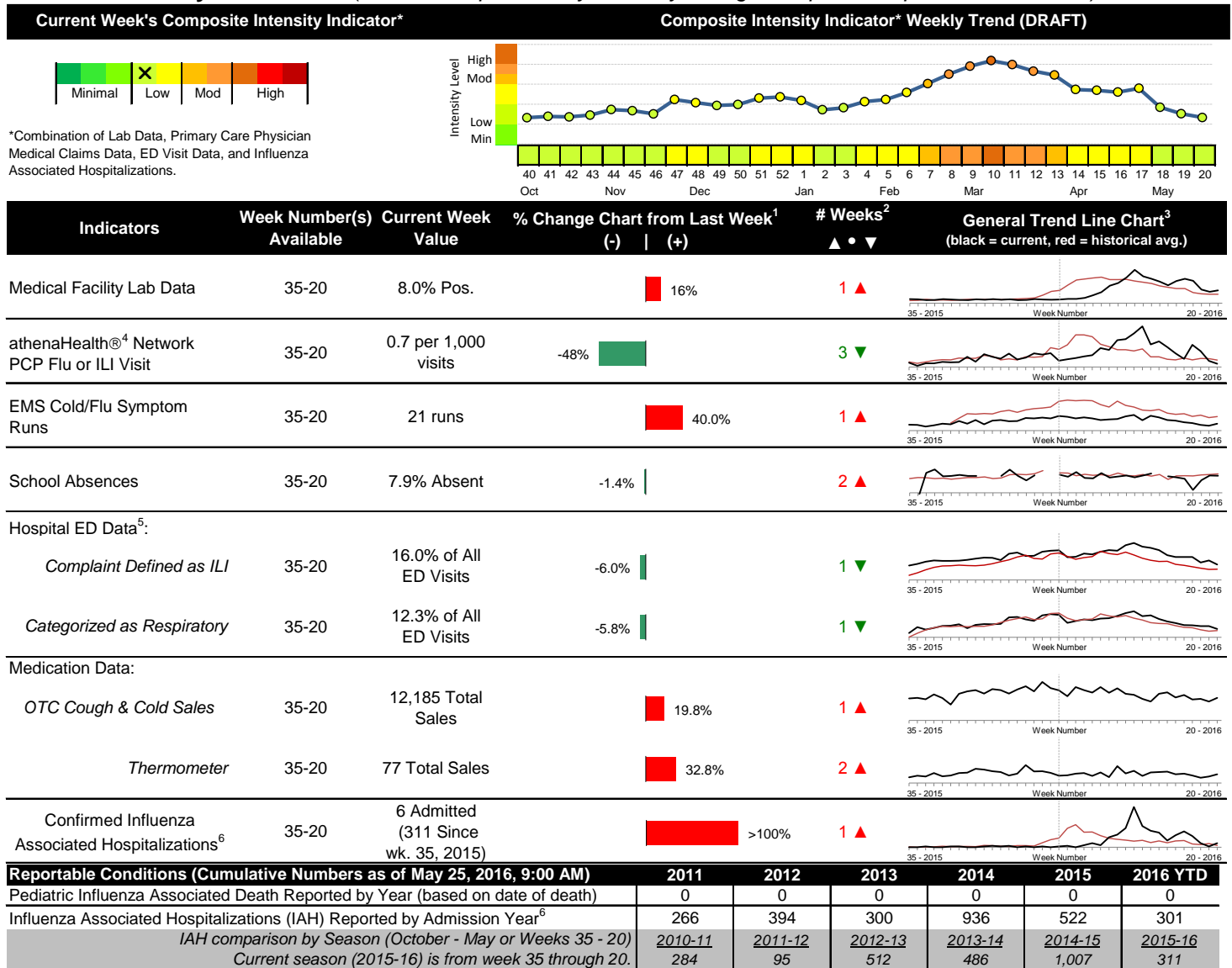


### Highlights

- This is the last weekly summary for the 2015-16 flu season. Thanks to all of our partners who help make local flu surveillance possible. Your efforts are truly appreciated. Have a great summer!
- In week 20 of 2016, the individual local flu activity indicator trends were mixed. As a whole, flu intensity decreased compared to last week and was low.
- Geographic spread and local intensity designation (Click [here](#) for definitions) = LOCALIZED, LOW
- Local medical facility labs reported 775 tests run with 62 (8.0%) positive results for week 20 of 2016. This is higher than last week's 6.9% and is higher than the weekly baseline.
- The percentage of ED visits for both influenza-like-illness (ILI) and respiratory symptoms decreased compared to week 19.
- In week 20 of 2016, the majority of trends for categories of local over-the-counter medication sales tracked increased (increase in cough and cold, electrolyte, thermometer, chest rub, and throat lozenge sales; stable pediatric anti-fever and adult anti-fever sales) compared to last week.
- In week 20, influenza activity decreased in the U.S. 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.)



<sup>1</sup>Interpret with caution. Indicators with small numbers subject to large weekly percentage fluctuations.  
<sup>2</sup>Number of weeks "▲" = Increase (>2%), "▼" = Decrease (>2%), "●" = Stable (-2% to +2%).  
<sup>3</sup>Black line is current years data. Based on data availability, red line is historical average (excluding pandemic year).  
<sup>4</sup>Data 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.  
<sup>5</sup>Franklin 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.  
<sup>6</sup>Confirmed 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 20 of 2016, 3.5% of all locally registered deaths were attributed to pneumonia and influenza. Nationally in week 20, 6.0% of deaths reported were attributed to pneumonia and influenza. This national percentage was below the national epidemic threshold for week 20.

### **Influenza Morbidity and Influenza-Like Illness (ILI) Reports**

In week 20, the preliminary local influenza and influenza-like-illness (ILI) visit rate to athenaHealth® providers (0.7 per 1,000 visits) decreased compared to the previous week and is below its baseline average for the week (Figure 1). The week 20 percentage of all Emergency Department (ED) visits categorized as ILI decreased compared to the previous week (Figure 3) and is higher than its historic baseline for the week.

Nationally, during week 20 of 2016, 1.3% of patient visits reported through ILINet were due to influenza-like illness (ILI). The percentage is below the national baseline of 2.1% for week 20.

### **Laboratory Surveillance**

During week 20 of 2016, reporting Franklin County sentinel medical facility laboratories tested 775 specimens, with 62 (8.0%) positive (Figure 4). The total number of tests done by local reporting labs from week 35 of 2014 through week 20 of 2016 is 40,072 with 3,481 (8.7%) positives (2,715 type A, 760 type B, 6 both A and B, 0 type unknown).

Nationally in week 20 of 2016, clinical laboratories reported 9,917 specimens tested for influenza viruses, 628 (6.3%) of which were positive (198 type A, 430 type B). Public health laboratories reported testing 295 specimens, 69 of which were positive (35 type A – of which 16 were A(H1N1)pdm09, 19 were A/H3, and 0 were not subtyped; 34 type B – of which 12 were Yamagata lineage, 4 were Victoria lineage, and 18 where lineage was not performed). Please visit the CDC website for more information, including cumulative data since week 40.

Updated Ohio lab data was not available at the time of this report. In week 19 of 2016, participating Ohio clinical labs reported 35,680 specimens tested for influenza this season thus far. Positive results include: (513) A(H1N1)pdm09; (21) A/H3N2; (1,898) Flu A Not Subtyped, and (791) Flu B (through 5/14/16). ODH Public Health Lab reported 589 specimens tested for influenza from various submitters this season thus far. Positive results include: (317) A(H1N1)pdm09; (21) A/H3N2; (70) Influenza B (through 5/14/16). Please visit the ODH website for more information.

### **ED Respiratory Visits**

In the 20<sup>th</sup> week of 2016, the percentage of all ED visits categorized as respiratory decreased 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 20 of 2016, the majority of trends for categories of local over-the-counter medication sales tracked increased (increase in cough and cold, electrolyte, thermometer, chest rub, and throat lozenge sales; stable pediatric anti-fever and adult 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>

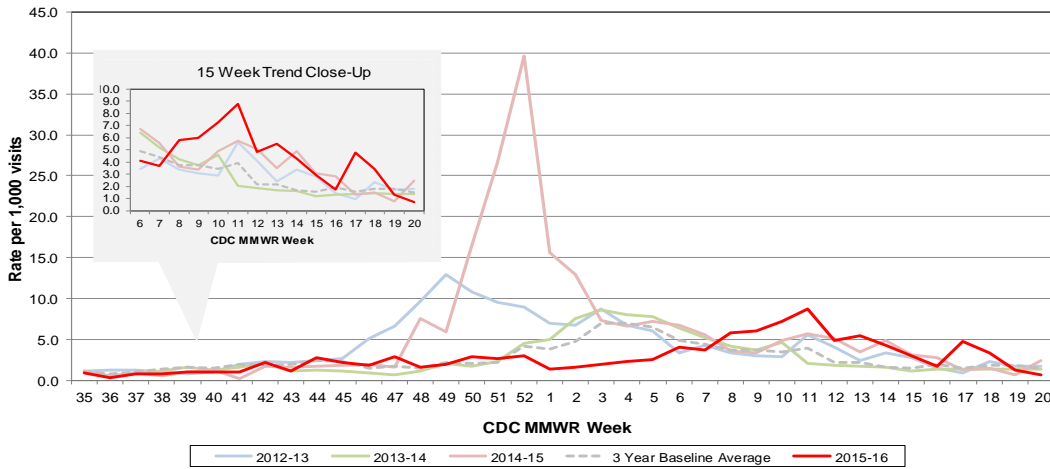
CDC National Seasonal Flu Surveillance Reports: <http://www.cdc.gov/flu/weekly/>

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/](http://www.who.int/influenza/surveillance_monitoring/en/)

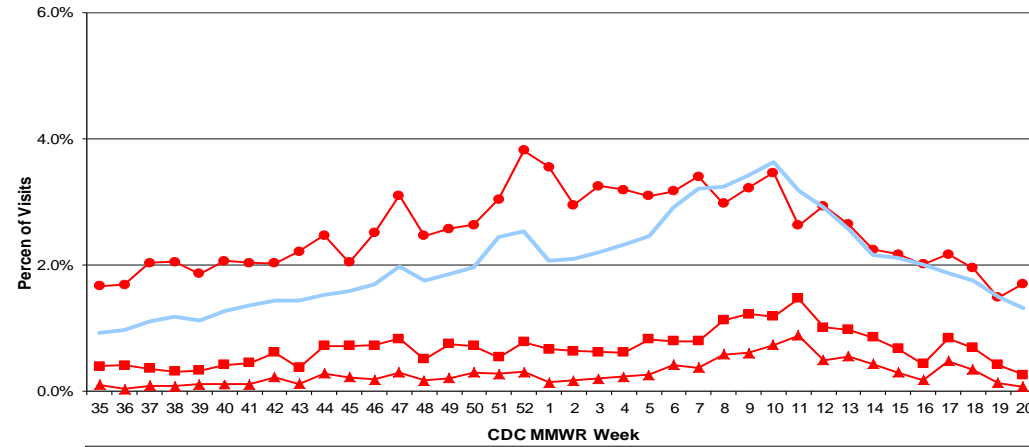
Columbus & Franklin County Influenza Monitoring Summary – Week 20, 2016 (5/15/2016-5/21/2016)

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



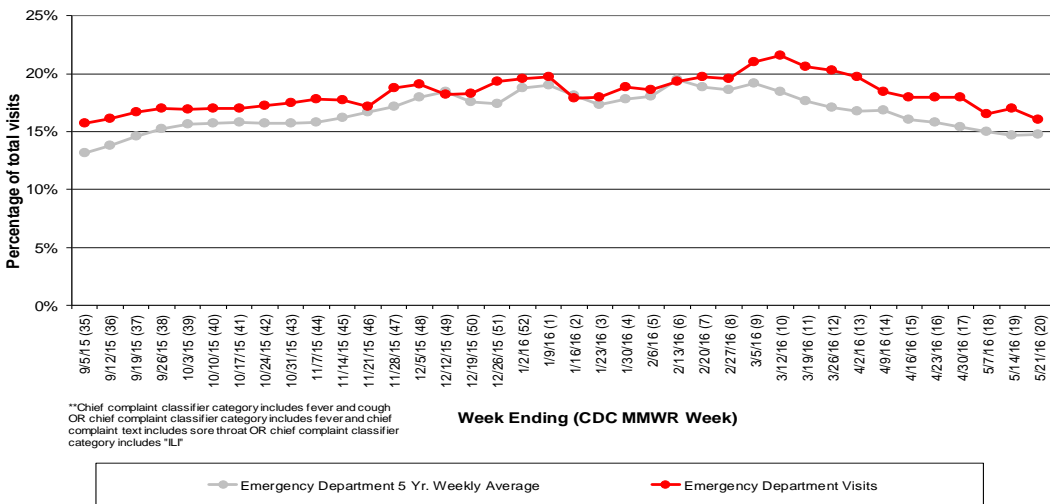
\*Source: Medical Claims data from athenaHealth®  
 Note: athenaHealth® claims data are subject to filing and processing time lags. Historical data are updated when they are received.

**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**



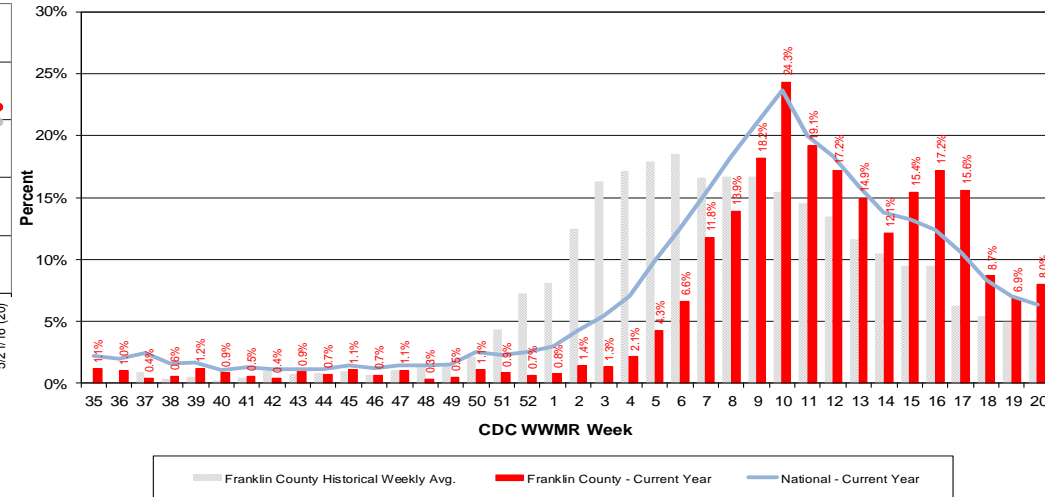
\*Source: Local medical claims data provided by athenaHealth®  
 Note: athenaHealth® claims data are subject to filing and processing time lags. Historical data are updated when they are received.

**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 20, 2016 (5/15/2016-5/21/2016)

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

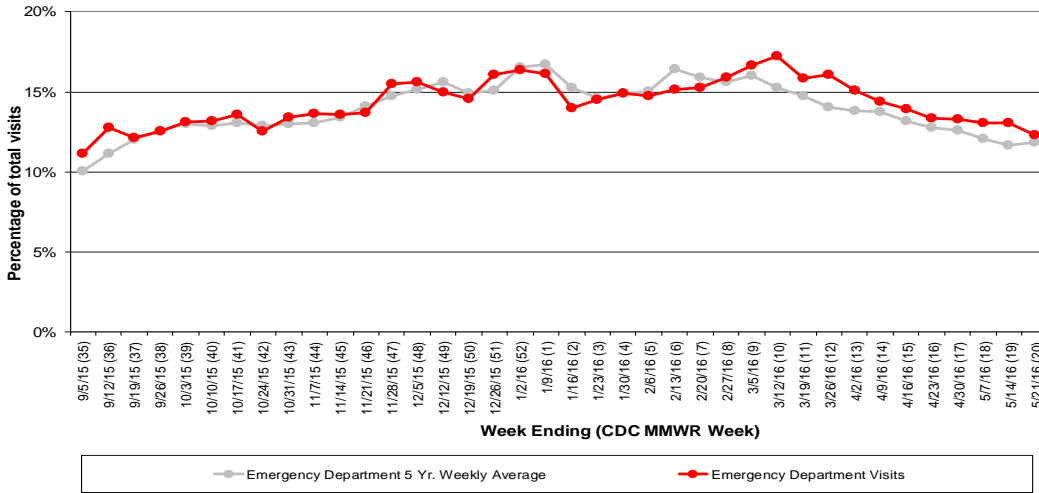


Figure 6: Selected Number of Over-the-Counter Medication Sales, 2015-16, Franklin County, OH

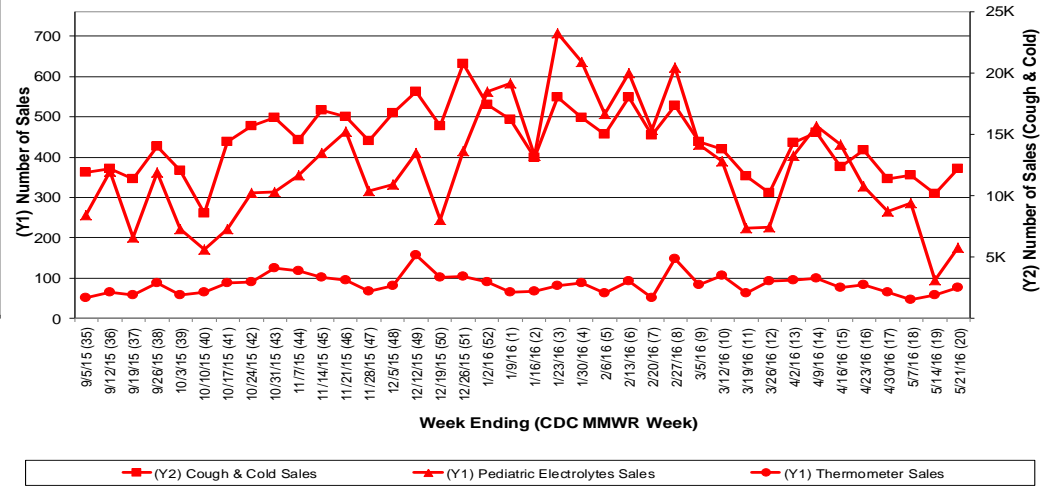
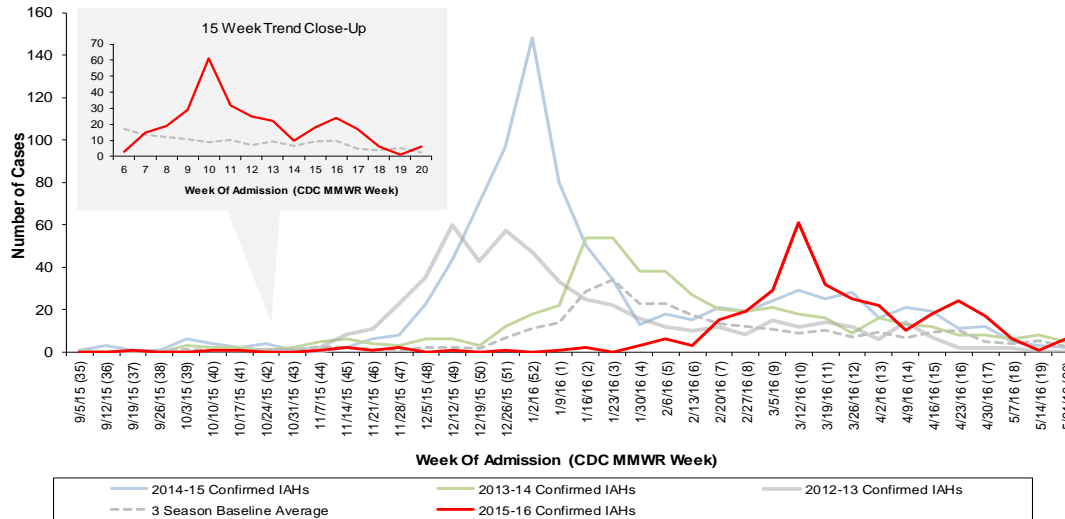


Figure 7: Franklin County Confirmed Influenza Associated Hospitalizations by Hospital Admission Week (As of 9:00 AM, 5/25/2016)



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

