### Highlights

- In week 46, individual local flu activity indicator trends generally decreased. Overall, local flu intensity continues to be low and decreased compared to the previous week.
- Geographic spread and local intensity designation (Click here for definitions) = SPORADIC, LOW
- Local medical facility labs reported 851 tests run with 6 (0.71%) positive results for week 46 of 2015. This is lower than last week’s 1.2% and is similar to the weekly baseline.
- The percentage of ED visits for influenza-like-illness (ILI) was slightly lower, while respiratory symptom visits were stable compared to week 45. The percentage of ED visits for both ILI and respiratory symptoms were similar to the baseline average.
- In week 46 of 2015, trends for the local over-the-counter medication sales were mixed (decrease in cough and cold, thermometer, and throat lozenge sales; increase in electrolyte, adult anti-fever, and pediatric anti-fever sales; stable chest rub sales) compared to last week.
- NOTE: Updated week 46 National data was not available at the time of this report. 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.**

| Indicators                     | Week Number(s) Available | Current Week Value | % Change Chart from Last Week | # Weeks | General Trend Line Chart
|-------------------------------|--------------------------|--------------------|-------------------------------|---------|---------------------------
| Medical Facility Lab Data     | 35-46                    | 0.7% Pos.         | -39%                          | 1 ▼     | ![Graph]( attaching graph) |
| athenaHealth® Network PCP Flu or ILI Visit | 35-46                   | 1.2 per 1,000 visits | -50%                         | 2 ▼     | ![Graph]( attaching graph) |
| EMS Cold/Flu Symptom Runs    | 35-46                    | 32 runs            | 6.7%                          | 2 ▲     | ![Graph]( attaching graph) |

### School Absences

Note: Update not available due to technical difficulties

### Hospital ED Data†:

- **Complaint Defined as ILI**
  - Current Week: 35-46
  - Percentage of ED Visits: 17.2%
  - % Change: -3.3%
  - # Weeks: 1 ▼

- **Categorized as Respiratory**
  - Current Week: 35-46
  - Percentage of ED Visits: 13.7%
  - % Change: 0.8%
  - # Weeks: 3 ▲

### Pediatric Urgent Care Data†:

- **Complaint Defined as ILI**
  - Note: Due to technical changes, this data source is temporarily unavailable

#### Categorized as Respiratory

### Medication Data:

- **OTC Cough & Cold Sales**
  - Current Week: 35-46
  - Total Sales: 16,418
  - % Change: -3.2%
  - # Weeks: 1 ▼

- **Thermometer**
  - Current Week: 35-46
  - Total Sales: 96
  - % Change: -6.8%
  - # Weeks: 3 ▼

- **Confirmed Influenza Associated Hospitalizations**
  - Current Week: 35-46
  - # Admitted: 1
  - % Change: -50%
  - # Weeks: 1 ▼

### Reportable Conditions (Cumulative Numbers as of Nov 24, 2015, 2:30 PM)

<table>
<thead>
<tr>
<th>Year</th>
<th>2010</th>
<th>2011</th>
<th>2012</th>
<th>2013</th>
<th>2014</th>
<th>2015 YTD</th>
</tr>
</thead>
<tbody>
<tr>
<td>IAH</td>
<td>35</td>
<td>266</td>
<td>394</td>
<td>300</td>
<td>938</td>
<td>530</td>
</tr>
<tr>
<td>ED Visits</td>
<td>284</td>
<td>55</td>
<td>512</td>
<td>486</td>
<td>1,017</td>
<td>9</td>
</tr>
</tbody>
</table>

### Interpretation

1. Interpret with caution. Indicators with small numbers subject to large weekly percentage fluctuations.
2. Number of weeks "▲" = Increase (>2%), "▼" = Decrease (>2%), "–" = Stable (-2% to +2%).
3. Black line is current years data. Based on data availability, red line is historical average (excluding pandemic year).
4. 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.
5. Franklin County, OH residents only (based on zip code). NOTE: Excludes one hospital system included in the past due to technical changes affecting visit classification assignment and numbers.
6. 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 46 of 2015, 5.9% of all Columbus and Franklin County deaths were attributed to pneumonia and influenza. NOTE: Updated week 46 National P&I data was not available at the time of this report. Nationally in week 45, 5.3% of deaths reported were attributed to pneumonia and influenza. This national percentage was below the national epidemic threshold of 6.3% for week 45.

Influenza Morbidity and Influenza-Like Illness (ILI) Reports
In week 46, the preliminary local influenza and influenza-like-Illness (ILI) visit rate to athenaHealth® providers (1.2 per 1,000 visits) decreased compared to the previous week and is slightly lower than the baseline average for the week (Figure 1). The week 46 percentage of Emergency Department (ED) visits for ILI symptoms was slightly lower compared to the previous week (Figure 3) and is similar to the historic baseline for the week.

NOTE: Updated week 46 US Outpatient ILI Surveillance Network data was not available at the time of this report. 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% for week 45.

Laboratory Surveillance
During week 46 of 2015, reporting Franklin County sentinel medical facility laboratories tested 851 specimens, with 6 (0.71%) positive (Figure 4). The total number of tests done by local reporting labs from week 35 of 2014 through week 46 of 2015 is 7,876 with 63 (0.8%) positives (42 type A, 19 type B, 2 both A and B, 0 type unknown).

NOTE: Updated week 46 National flu lab data was not available at the time of this report. 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 4,765 specimens tested for influenza this season thus far. Positive results include: (1) A(H1N1)pdm09; (1) A/H3N2; (9) Flu A Not Subtyped, and (5) Flu B (through 11/21/15). ODH Public Health Lab reported 57 specimens tested for influenza from various submitters this season thus far. Positive results include: (2) A(H1N1)pdm09; (0) A/H3N2; (1) Influenza B (through 11/21/15). Please visit the ODH website for more information.

ED Respiratory Visits
In the 46th 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 46 of 2015, trends for the local over-the-counter medication sales tracked were mixed (decrease in cough and cold, thermometer, and throat lozenge sales; increase in electrolyte, adult anti-fever, and pediatric anti-fever sales; stable chest rub sales) compared to last week.

Additional Influenza Activity Web Links:
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
Columbus & Franklin County Influenza Monitoring Summary – Week 46, 2015 (11/15/2015-11/21/2015)

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

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

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

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

*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.

**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"

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Columbus & Franklin County Influenza Monitoring Summary – Week 46, 2015 (11/15/2015-11/21/2015)

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