2017-2018 Columbus & Franklin County Seasonal Influenza Activity Weekly Summary (Week 2, Jan. 7th, 2018– Jan. 13th, 2018)

Highlights

- In week 2 of 2018, individual local flu activity indicator values were mixed compared to last week but continue to be elevated. As a whole, flu intensity (composite indicator) continues to be high.
- Geographic spread and local intensity designation (Click here for definitions) = WIDESPREAD, HIGH
- Local medical facility labs reported 3,437 tests run with 1,127 (32.8%) positive results for week 2 of 2018.
- The percentage of ED visits for influenza-like-illness (ILI) was stable while respiratory symptom visits decreased slightly compared to last week. The percentage of ED visits for both ILI and respiratory symptoms continue to be above their respective baseline averages for the week.
- In week 2 of 2018, trends for local over-the-counter medication category sales generally decreased (increase in thermometer sales; decrease in cough and cold, electrolyte, chest rub, pediatric anti-fever, adult anti-fever, and throat lozenge sales) compared to last week.
- Nationally, influenza activity increased in week 2 of 2018. 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.)

Current Week's Composite Intensity Indicator*

<table>
<thead>
<tr>
<th>Indicators</th>
<th>Week Number(s)</th>
<th>Current Week Value</th>
<th>% Change Chart from Last Week</th>
<th># Weeks</th>
<th>General Trend Line Chart (black = current, red = historical avg.)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Medical Facility Lab Data</td>
<td>35-2</td>
<td>32.8% Pos.</td>
<td>-</td>
<td>38%</td>
<td>1 ▲</td>
</tr>
<tr>
<td>athenaHealth® Network PCP Flu or ILI Visit</td>
<td>35-2</td>
<td>17.8 per 1,000 visits</td>
<td>-</td>
<td>8%</td>
<td>5 ▲</td>
</tr>
<tr>
<td>EMS Cold/Flu Symptom Runs</td>
<td>35-2</td>
<td>93 runs</td>
<td>-</td>
<td>34.8%</td>
<td>1 ▲</td>
</tr>
<tr>
<td>School Absences</td>
<td>35-2</td>
<td>9.9% Absent</td>
<td>-</td>
<td>Note: % Change not available due to winter</td>
<td></td>
</tr>
<tr>
<td>Hospital ED Data:</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
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<tr>
<td>Complaint Defined as ILI</td>
<td>35-2</td>
<td>26.4% of All ED Visits</td>
<td>-</td>
<td>1.3%</td>
<td>2 ●</td>
</tr>
<tr>
<td>Categorized as Respiratory</td>
<td>35-2</td>
<td>21.9% of All ED Visits</td>
<td>-</td>
<td>-3.4%</td>
<td>1 ▼</td>
</tr>
<tr>
<td>Medication Data:</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>OTC Cough &amp; Cold Sales</td>
<td>35-2</td>
<td>16,930 Total Sales</td>
<td>-</td>
<td>-15.7%</td>
<td>2 ▼</td>
</tr>
<tr>
<td>Thermometer</td>
<td>35-2</td>
<td>231 Total Sales</td>
<td>-</td>
<td>7.9%</td>
<td>2 ▲</td>
</tr>
<tr>
<td>Confirmed Influenza Associated Hospitalizations</td>
<td>35-2</td>
<td>150 Admitted (546 Since wk. 35, 2017)</td>
<td>-</td>
<td>1%</td>
<td>1 ●</td>
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Reportable Conditions (Cumulative Numbers as of Jan 18, 2018)

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<tbody>
<tr>
<td>Pediatric Influenza Associated Death Reported by Year (based on date of death)</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Influenza Associated Hospitalizations (IAH) Reported by Admission Year</td>
<td>301</td>
<td>875</td>
<td>448</td>
<td>292</td>
<td>870</td>
</tr>
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IAH comparison by Season (October - May or Weeks 35 - 20)

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<tr>
<td>512</td>
<td>486</td>
<td>872</td>
<td>264</td>
<td>819</td>
<td>546</td>
</tr>
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</table>

*Combination of Lab Data, Primary Care Physician Medical Facility Labs Data, ED Visit Data, and Influenza Associated Hospitalizations.

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.
**Influenza Morbidity and Influenza-Like Illness (ILI) Reports**
In week 2, the preliminary local influenza and influenza-like-illness (ILI) visit rate to athenaHealth® providers (17.8 per 1,000 visits) increased compared to the previous week and is above its baseline average for the week (Figure 1). The week 2 percentage of all Emergency Department (ED) visits categorized as ILI was stable compared to the previous week (Figure 3) and is above its historic baseline for the week.

Nationally, during week 2 of 2018, 6.3% of patients visited reported through ILINet were due to influenza-like illness (ILI). The percentage is above the national baseline of 2.2% for week 2.

**Laboratory Surveillance**
During week 2 of 2018, reporting Franklin County sentinel medical facility laboratories tested 3,437 specimens, with 1,127 (32.8%) positive (Figure 4). The total number of tests done by local reporting labs from week 35 of 2017 through week 2 of 2018 is 27,095 with 3,788 (14%) positives (3,431 type A, 354 type B, 2 type A and B, 1 type unknown).

Nationally in week 2 of 2018, clinical laboratories reported 50,435 specimens tested for influenza viruses, 12,894 (25.6%) of which were positive (10,622 type A, 2,272 type B). Public health laboratories reported testing 2,242 specimens, 1,507 of which were positive (1,319 type A – of which 118 were A(H1N1)pdm09, 1,111 were H3N2, and 90 were not subtyped; 188 type B – of which 112 were Yamagata lineage, 11 were Victoria lineage, and 65 where lineage was not performed). Please visit the CDC website for more information, including cumulative data.

In week 2, Ohio clinical labs reported 30,089 specimens tested for influenza this season thus far. Positive results include: (19) A(H1N1)pdm09; (175) A/H3N2; (3,782) Flu A Not Subtyped, and (416) Flu B (through 1/13/18). In week 2, ODH Public Health Lab reported 507 specimens tested for influenza from various submitters this season thus far. Positive results include: (39) A(H1N1)pdm09; (392) A/H3N2; (24) Influenza B (through 1/13/18). Please visit the ODH website for more information.

**ED Respiratory Visits**
In the 2nd week of 2018, the percentage of all ED visits categorized as respiratory decreased slightly compared to the percentage seen the previous week and is above its historic baseline for the week (Figure 5).

**Over-the-Counter (OTC) Medication Sales**
In week 2 of 2018, trends for local over-the-counter medication category sales generally decreased (increase in thermometer sales; decrease in cough and cold, electrolyte, chest rub, pediatric anti-fever, adult anti-fever, and throat lozenge sales) compared to last week.

**Additional Influenza Activity Web Links:**
Ohio Seasonal Flu Surveillance: [http://www.odh.ohio.gov/seasflu/Ohio%20Flu%20Activity.aspx](http://www.odh.ohio.gov/seasflu/Ohio%20Flu%20Activity.aspx)
Columbus & Franklin County Influenza Monitoring Summary – Week 2, 2018 (1/7/2018-1/13/2018)

**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, 2017-18

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

**Figure 3: Franklin County Resident ILI Defined** ED Visits, 2017-18, Franklin County, OH

*Chief complaint classifier category includes fever and cough
ILI 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, 2017-18**

*Source: U.S. Outpatient Influenza-like Illness Surveillance Network (ILINet) sentinel provider visits

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*Note: CDC MMWR Week*
- 2012-13
- 2013-14
- 2014-15
- 2015-16
- 2016-17
- 3 Year Baseline Average
- 2017-18

*Note: Franklin County Historical Weekly Avg.*
- 2014-15
- 2015-16
- 2016-17
- 2017-18

*Note: US Region 5 Historical Weekly Avg.*
- 2012-13
- 2013-14
- 2014-15
- 2015-16
- 2016-17
- 2017-18
Columbus & Franklin County Influenza Monitoring Summary – Week 2, 2018 (1/7/2018-1/13/2018)

Figure 5: Franklin County Resident Respiratory ED Visits, 2017-18, Franklin County, OH

Figure 6: Selected Number of Over-the-Counter Medication Sales, 2017-18, Franklin County, OH

Figure 7: Franklin County Confirmed Influenza Associated Hospitalizations by Hospital Admission Week (As of 1/18/2018)

Franklin County, OH, Confirmed Influenza Hospitalization Cumulative Rates (per 100,000) by Age-Group and Admission Week, 2017-2018 Season

*Note: Certain years have a 53rd week (e.g., season 2014-15) based on CDCs MMWR Weeks.