Highlights

- In week 5 of 2018, despite recent decreases in some of the individual preliminary local flu activity indicator values, key indicators 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 4,105 tests run with 1,068 (26.0%) positive results for week 5 of 2018.
- The percentage of ED visits for both influenza-like-illness (ILI) and respiratory symptom visits were stable 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 5 of 2018, all local over-the-counter medication category sales tracked increased (increase in cough and cold, electrolyte, thermometer, chest rub, pediatric anti-fever, adult anti-fever, and throat lozenge sales) compared to last week.
- Nationally, influenza activity increased in week 5 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.)

<table>
<thead>
<tr>
<th>Indicators</th>
<th>Week Number(s) Available</th>
<th>Current Week Value</th>
<th>% Change Chart from Last Week</th>
<th># Weeks</th>
<th>General Trend Line Chart</th>
</tr>
</thead>
<tbody>
<tr>
<td>Medical Facility Lab Data</td>
<td>35-5</td>
<td>26.0% Pos.</td>
<td>-18%</td>
<td>2 ▼</td>
<td></td>
</tr>
<tr>
<td>athenaHealth® Network PCP Flu or ILI Visit</td>
<td>35-5</td>
<td>25.6 per 1,000 visits</td>
<td>13%</td>
<td>2 ▲</td>
<td></td>
</tr>
<tr>
<td>EMS Cold/Flu Symptom Runs</td>
<td>35-5</td>
<td>66 runs</td>
<td>-32.0%</td>
<td>1 ▼</td>
<td></td>
</tr>
<tr>
<td>School Absences</td>
<td>35-5</td>
<td>11.7% Absent</td>
<td>28.4%</td>
<td>2 ▲</td>
<td></td>
</tr>
<tr>
<td>Hospital ED Data*:</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Complaint Defined as ILI</td>
<td>35-5</td>
<td>24.9% of All ED Visits</td>
<td>0.0%</td>
<td>1 ●</td>
<td></td>
</tr>
<tr>
<td>Categorized as Respiratory</td>
<td>35-5</td>
<td>19.3% of All ED Visits</td>
<td>-0.1%</td>
<td>1 ●</td>
<td></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>35-5</td>
<td>24,254 Total Sales</td>
<td>16.0%</td>
<td>1 ▲</td>
<td></td>
</tr>
<tr>
<td>Thermometer</td>
<td>35-5</td>
<td>363 Total Sales</td>
<td>23.5%</td>
<td>2 ▲</td>
<td></td>
</tr>
<tr>
<td>Confirmed Influenza Associated Hospitalizations</td>
<td>35-5</td>
<td>76 Admitted (837 Since wk. 35, 2017)</td>
<td>-26%</td>
<td>3 ▼</td>
<td></td>
</tr>
</tbody>
</table>

Reportable Conditions (Cumulative Numbers as of Feb. 8, 2018)

<table>
<thead>
<tr>
<th>Year</th>
<th>2013</th>
<th>2014</th>
<th>2015</th>
<th>2016</th>
<th>2017</th>
<th>2018 YTD</th>
</tr>
</thead>
<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>
<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>865</td>
<td>593</td>
</tr>
</tbody>
</table>

*Current season (2017-18) is from week 35 through week 5.

1. Interpret with caution. Indicates 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 year 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. Claims data are subject to filing and processing time lags. Historical data are updated when they are received.
5. 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.
6. Confirmed 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 5, the preliminary local influenza and influenza-like-illness (ILI) visit rate to athenaHealth® providers (25.6 per 1,000 visits) increased compared to the previous week and is above its baseline average for the week (Figure 1). The week 5 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 5 of 2018, 7.7% of patient visits reported through ILINet were due to influenza-like illness (ILI). The percentage is above the national baseline of 2.2% for week 5.

Laboratory Surveillance
During week 5 of 2018, reporting Franklin County sentinel medical facility laboratories tested 4,105 specimens, with 1,068 (26.0%) positive (Figure 4). The total number of tests done by local reporting labs from week 35 of 2017 through week 5 of 2018 is 37,492 with 6,871 (18.3%) positives (5,980 type A, 888 type B, 2 type A and B, 1 type unknown).

Nationally in week 5 of 2018, clinical laboratories reported 63,180 specimens tested for influenza viruses, 16,641 (26.3%) of which were positive (11,517 type A, 5,124 type B). Public health laboratories reported testing 2,608 specimens, 1,453 of which were positive (1,065 type A – of which 144 were A(H1N1)pdm09, 834 were H3N2, and 87 were not subtyped; 388 type B – of which 266 were Yamagata lineage, 22 were Victoria lineage, and 100 where lineage was not performed). Please visit the CDC website for more information, including cumulative data.

In week 5, Ohio clinical labs reported 41,143 specimens tested for influenza this season thus far. Positive results include: (43) A(H1N1)pdm09; (291) A/H3N2; (6,657) Flu A Not Subtyped, and (948) Flu B (through 2/3/18). In week 5, ODH Public Health Lab reported 813 specimens tested for influenza from various submitters this season thus far. Positive results include: (67) A(H1N1)pdm09; (571) A/H3N2; (53) Influenza B (through 2/3/18). Please visit the ODH website for more information.

ED Respiratory Visits
In the 5th week of 2018, the percentage of all ED visits categorized as respiratory was stable 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 5 of 2018, all local over-the-counter medication category sales tracked increased (increase in cough and cold, electrolyte, thermometer, 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
CDC National Seasonal Flu Surveillance Reports: http://www.cdc.gov/flu/weekly/

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* visits for ILI and Associated Illnesses, 2017-18

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

Figure 4: Percentage of Local Reporting and National Laboratory Positive Influenza Tests by Week, 2017-18

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

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

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

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