TO: All Clinical and Public Health Staff  
FROM: Lauren DiBiase, MS, CIC; Hospital Epidemiology  
RE: Influenza and Other Respiratory Virus Surveillance Summary  
DATE: January 11, 2018

**Figure 1:** weekly count of total and positive influenza PCR tests at UNC McLendon Laboratories

**Table 1:** types of influenza virus isolates identified by UNC McLendon Laboratories and NC State Laboratory of Public Health

**Figure 2:** weekly count of other respiratory viral infections at UNC McLendon Laboratories

**Figure 3:** weekly percentage of UNC ED visits due to influenza-like illness (data source: NC DETECT)

**Figure 4:** count of influenza infections at UNC McLendon Laboratories by age group category and virus type

**Figure 5:** cumulative percentage of influenza infections at UNC McLendon Laboratories by type of visit

### Influenza-Associated Deaths at UNC Hospitals
- 1 death: ages 25-49: 1  
- Influenza A (not typed): 1  
- Direct admissions: 1

**Table 1.**

<table>
<thead>
<tr>
<th>Virus Type</th>
<th># Cumulative Positive Results</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>UNC McLendon Laboratories</td>
</tr>
<tr>
<td>A (subtype unknown)</td>
<td>0</td>
</tr>
<tr>
<td>A (not typed)</td>
<td>201</td>
</tr>
<tr>
<td>A/H1</td>
<td>0</td>
</tr>
<tr>
<td>A(H1N1) Pandemic</td>
<td>2</td>
</tr>
<tr>
<td>A/H3</td>
<td>6</td>
</tr>
<tr>
<td>B</td>
<td>22</td>
</tr>
<tr>
<td>Total</td>
<td>231</td>
</tr>
</tbody>
</table>
Figure 2.

Weekly Respiratory Viral Infections Surveillance: UNC McLendon Labs

Number of Positive Labs

Week Ending Date

- Rhinovirus
- RSV
- Parainfluenza 1, 2, 3, 4
- Adenovirus
- Coronavirus
- Metapneumovirus

Figure 3.

Percentage of UNC ED visits due to patients with influenza-like illness

% ILI Visits

Week Ending Date

- %ILI Visits 2016-2017
- %ILI Visits 2017-2018
Figure 4.

Percentage of Influenza Lab-Confirmed Cases, By Type of Visit:
UNC McLendon Laboratories

- Admission - ICU, 5.2%
- Admission - Floor, 13.0%
- Clinic or Lab Visit, 31.2%
- ED, 50.6%

Figure 5.

Number of Influenza Laboratory Confirmed Cases by Age Group and by Influenza Virus Type: UNC McLendon Laboratories

<table>
<thead>
<tr>
<th>Age Group (Years)</th>
<th>Number of Lab Confirmed Cases</th>
</tr>
</thead>
<tbody>
<tr>
<td>0-4</td>
<td>10</td>
</tr>
<tr>
<td>5-17</td>
<td>10</td>
</tr>
<tr>
<td>18-24</td>
<td>10</td>
</tr>
<tr>
<td>25-49</td>
<td>70</td>
</tr>
<tr>
<td>50-64</td>
<td>50</td>
</tr>
<tr>
<td>65+</td>
<td>30</td>
</tr>
</tbody>
</table>

- Influenza A/H1N1
- Influenza A/H3
- Influenza A/unknown subtype
- Influenza B