TO: All Clinical and Public Health Staff
FROM: Lauren DiBiase, MS, CIC; Hospital Epidemiology
RE: Influenza and Other Respiratory Virus Surveillance Summary
DATE: January 25, 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

Figure 1.

Table 1.
Influenza Virus Isolates Identified by UNC McLendon Laboratories and NC State Laboratory of Public Health
(*includes isolates tested since 10/1/17)

<table>
<thead>
<tr>
<th>Virus Type</th>
<th>UNC McLendon Laboratories</th>
<th>NC State Laboratory of Public Health</th>
</tr>
</thead>
<tbody>
<tr>
<td>A (subtype unknown)</td>
<td>0</td>
<td>1</td>
</tr>
<tr>
<td>A (not typed)</td>
<td>391</td>
<td>0</td>
</tr>
<tr>
<td>A/H1</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>A(H1N1) Pandemic</td>
<td>3</td>
<td>7</td>
</tr>
<tr>
<td>A/H3</td>
<td>11</td>
<td>36</td>
</tr>
<tr>
<td>B</td>
<td>48</td>
<td>10</td>
</tr>
<tr>
<td>Total</td>
<td>453</td>
<td>54</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, 5.7%
- Admission - Floor, 14.8%
- Clinic or Lab Visit, 32.0%
- ED, 47.5%

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 Infant/Toddler</td>
<td>0-40</td>
</tr>
<tr>
<td>5-17 Elementary, Middle and High School</td>
<td>0-40</td>
</tr>
<tr>
<td>18-24 College</td>
<td>0-40</td>
</tr>
<tr>
<td>25-49 Young Adult</td>
<td>120-140</td>
</tr>
<tr>
<td>50-64 Middle Aged</td>
<td>40-80</td>
</tr>
<tr>
<td>65+ Senior</td>
<td>0-60</td>
</tr>
</tbody>
</table>

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