TO: All Clinical and Public Health Staff  
FROM: Lauren DiBiase, MS, CIC; Hospital Epidemiology  
RE: Influenza and Other Respiratory Virus Surveillance Summary  
DATE: December 28, 2017

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 deaths: 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>78</td>
<td>0</td>
</tr>
<tr>
<td>A/H1</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>A(H1N1) Pandemic</td>
<td>2</td>
<td>4</td>
</tr>
<tr>
<td>A/H3</td>
<td>3</td>
<td>18</td>
</tr>
<tr>
<td>B</td>
<td>11</td>
<td>5</td>
</tr>
<tr>
<td>Total</td>
<td>94</td>
<td>29</td>
</tr>
</tbody>
</table>
Figure 2. Weekly Respiratory Viral Infections Surveillance: UNC McLendon Labs

Figure 3. Percentage of UNC ED visits due to patients with influenza-like illness
Figure 4.

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

- ED, 53.2%
- Clinic or Lab Visit, 26.6%
- Admission - Floor, 16.0%
- Admission - ICU, 4.3%

Figure 5.

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

Age Group (Years) vs. Number of Lab Confirmed Cases

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