TO: All Clinical and Public Health Staff
FROM: Lauren DiBiase, MS, CIC; Hospital Epidemiology
RE: Influenza and Other Respiratory Virus Surveillance Summary
DATE: April 12, 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
- 8 deaths: ages 25-49: 2; ages 50-64: 2; ages 65+: 4
- Influenza A (not typed): 4; Influenza A/H3: 2; Influenza A/H1N1: 1; Influenza B: 1
- Direct admissions: 3; Transferred: 5

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**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>5</td>
</tr>
<tr>
<td>A (not typed)</td>
<td>1114</td>
<td>0</td>
</tr>
<tr>
<td>A/H1</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>A(H1N1) Pandemic</td>
<td>9</td>
<td>24</td>
</tr>
<tr>
<td>A/H3</td>
<td>36</td>
<td>104</td>
</tr>
<tr>
<td>B</td>
<td>532</td>
<td>75</td>
</tr>
<tr>
<td>Total</td>
<td>1681</td>
<td>208</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

- Admission - Floor, 10.7%
- Admission - ICU, 4.3%
- Clinic or Lab Visit, 47.3%
- ED, 37.7%

Figure 5.

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

- Infant/Toddler
- Elementary, Middle, and High School
- College
- Young Adult
- Middle Aged
- Senior

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