TO: All Clinical and Public Health Staff
FROM: Lauren DiBiase, MS, CIC; Hospital Epidemiology
RE: Influenza and Other Respiratory Virus Surveillance Summary
DATE: February 15, 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
- 2 deaths: ages 25-49: 1; ages 65+: 1
- Influenza A (not typed): 2
- Direct admissions: 2

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>4</td>
</tr>
<tr>
<td>A (not typed)</td>
<td>793</td>
<td>0</td>
</tr>
<tr>
<td>A/H1</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>A(H1N1) Pandemic</td>
<td>5</td>
<td>15</td>
</tr>
<tr>
<td>A/H3</td>
<td>27</td>
<td>73</td>
</tr>
<tr>
<td>B</td>
<td>202</td>
<td>33</td>
</tr>
<tr>
<td>Total</td>
<td>1027</td>
<td>125</td>
</tr>
</tbody>
</table>
Figure 2.

Weekly Respiratory Viral Infections Surveillance: UNC McLendon Labs

Week Ending Date

Number of Positive Labs

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

Figure 3.

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

Week Ending Date

% ILI Visits

- %ILI Visits 2016-2017
- %ILI Visits 2017-2018