TO: All Clinical and Public Health Staff  
FROM: Lauren DiBiase, MS, CIC; Hospital Epidemiology  
RE: Influenza and Other Respiratory Virus Surveillance Summary  
DATE: April 4, 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

Figure 1.

<table>
<thead>
<tr>
<th>Virus Type</th>
<th>UNC McLendon Laboratories</th>
<th>NC State Laboratory of Public Health</th>
<th># Cumulative Positive Results</th>
</tr>
</thead>
<tbody>
<tr>
<td>A (subtype unknown)</td>
<td>0</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td>A (not typed)</td>
<td>1110</td>
<td>0</td>
<td></td>
</tr>
<tr>
<td>A/H1</td>
<td>0</td>
<td>0</td>
<td></td>
</tr>
<tr>
<td>A(H1N1) Pandemic</td>
<td>9</td>
<td>23</td>
<td></td>
</tr>
<tr>
<td>A/H3</td>
<td>35</td>
<td>94</td>
<td></td>
</tr>
<tr>
<td>B</td>
<td>515</td>
<td>72</td>
<td></td>
</tr>
<tr>
<td>Total</td>
<td>1669</td>
<td>193</td>
<td></td>
</tr>
</tbody>
</table>
Figure 2.

Weekly Respiratory Viral Infections Surveillance: UNC McLendon 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

- ED, 37.5%
- Clinic or Lab Visit, 47.6%
- Admission - Floor, 10.6%
- Admission - ICU, 4.3%

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>0-4</th>
<th>5-17</th>
<th>18-24</th>
<th>25-49</th>
<th>50-64</th>
<th>65+</th>
</tr>
</thead>
<tbody>
<tr>
<td>Lab Confirmed Cases</td>
<td></td>
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<td></td>
<td></td>
</tr>
<tr>
<td>Influenza A/H1N1</td>
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<tr>
<td>Influenza A/H3</td>
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<tr>
<td>Influenza A/unknown subtype</td>
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<tr>
<td>Influenza B</td>
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<td></td>
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</tbody>
</table>