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

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- Direct admissions: 3; Transferred: 2

**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>1016</td>
<td>0</td>
</tr>
<tr>
<td>A/H1</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>A(H1N1) Pandemic</td>
<td>7</td>
<td>21</td>
</tr>
<tr>
<td>A/H3</td>
<td>28</td>
<td>87</td>
</tr>
<tr>
<td>B</td>
<td>362</td>
<td>58</td>
</tr>
<tr>
<td>Total</td>
<td>1413</td>
<td>170</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

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 - Floor, 10.5%
- Admission - ICU, 4.2%
- ED, 37.5%
- Clinic or Lab Visit, 47.8%

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>Influenza A/H1N1</th>
<th>Influenza A/H3</th>
<th>Influenza A/unknown subtype</th>
<th>Influenza B</th>
</tr>
</thead>
<tbody>
<tr>
<td>0-4</td>
<td></td>
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<td></td>
<td></td>
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<tr>
<td>Elementary, Middle and High School</td>
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<td>18-24</td>
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<tr>
<td>25-49</td>
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<tr>
<td>50-64</td>
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<tr>
<td>65+</td>
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