TO:    All Clinical and Public Health Staff  
FROM:     Lauren DiBiase, MS, CIC; Hospital Epidemiology  
RE:               Influenza and Other Respiratory Virus Surveillance Summary  
DATE: March 22, 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  
- 7 deaths: ages 25-49: 2; ages 50-64: 2; ages 65+: 3  
- Influenza A (not typed): 4; Influenza A/H3: Influenza A/H1N1: 1; Influenza B: 1  
- Direct admissions: 3; Transferred: 4

**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>
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<tbody>
<tr>
<td>A (subtype unknown)</td>
<td>0</td>
<td>4</td>
</tr>
<tr>
<td>A (not typed)</td>
<td>1083</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>23</td>
</tr>
<tr>
<td>A/H3</td>
<td>31</td>
<td>94</td>
</tr>
<tr>
<td>B</td>
<td>428</td>
<td>68</td>
</tr>
<tr>
<td>Total</td>
<td>1551</td>
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</tr>
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**Figure 1.**

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**Weekly Influenza Laboratory Surveillance: UNC McLendon Labs**

- Positive Influenza A (left axis)  
- Positive Influenza B (left axis)  
- Total Number of Tests Ordered (right axis)

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**Table 1.**

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Figure 2.

Weekly Respiratory Viral Infections Surveillance: UNC McLendon Labs

Number of Positive 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

- ED, 37.2%
- Clinic or Lab Visit, 47.9%
- Admission - ICU, 4.2%
- Admission - Floor, 10.7%

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

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