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

Figure 1.

![Weekly Influenza Laboratory Surveillance: UNC McLendon Labs](image)

*decrease in positives seen during week ending 1/20 may be due to a shortage of rapid flu test during this time period.

Table 1.

<table>
<thead>
<tr>
<th>Virus Type</th>
<th># Cumulative Positive Results</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>UNC McLendon Laboratories</td>
</tr>
<tr>
<td>A (subtype unknown)</td>
<td>0</td>
</tr>
<tr>
<td>A (not typed)</td>
<td>941</td>
</tr>
<tr>
<td>A/H1</td>
<td>0</td>
</tr>
<tr>
<td>A(H1N1) Pandemic</td>
<td>6</td>
</tr>
<tr>
<td>A/H3</td>
<td>28</td>
</tr>
<tr>
<td>B</td>
<td>302</td>
</tr>
<tr>
<td>Total</td>
<td>1277</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

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

- Clinic or Lab Visit, 47.0%
- ED, 38.5%
- Admission - ICU, 4.2%
- Admission - Floor, 10.3%

Figure 5.

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

- 0-4: Infant/Toddler
- 5-17: Elementary, Middle and High School
- 18-24: College
- 25-49: Young Adult
- 50-64: Middle Aged
- 65+: Senior

Types of Influenza Viruses:
- Influenza A/H1N1
- Influenza A/H3
- Influenza A/unknown subtype
- Influenza B