COVID-19: Surveillance Overview
**Example Only, Not Current Numbers: Laboratory-Confirmed Case Counts**

<table>
<thead>
<tr>
<th>NC Cases*</th>
<th>NC Deaths**</th>
<th>NC Completed Tests***</th>
<th>Currently Hospitalized</th>
</tr>
</thead>
<tbody>
<tr>
<td>1,040</td>
<td>4</td>
<td>18,945</td>
<td>91</td>
</tr>
</tbody>
</table>

* This number reflects cases that were tested and returned positive, including the NC State Laboratory of Public Health and all hospital and commercial labs. All data are preliminary. Not all cases of COVID-19 are tested, so this does not represent the total number of people in North Carolina who have or had COVID-19.

** This number reflects deaths reported to public health in persons with laboratory-confirmed COVID-19. Deaths will be included in this count after confirmation by local public health departments.

*** This number reflects testing completed by the NC State Laboratory of Public Health and reporting hospital and commercial laboratories.
Example Only, Not Current Numbers: Laboratory-Confirmed Cases by County

* Numbers may changes as residence is verified. Updated March 29, 2020.
Example Only, Not Current Numbers: Lab-Confirmed Cases: Demographics

<table>
<thead>
<tr>
<th>Age Group</th>
<th>Percent of Cases*</th>
<th>Percent of Death*</th>
</tr>
</thead>
<tbody>
<tr>
<td>0-17</td>
<td>1%</td>
<td></td>
</tr>
<tr>
<td>18-24</td>
<td>12%</td>
<td></td>
</tr>
<tr>
<td>25-49</td>
<td>46%</td>
<td>25%</td>
</tr>
<tr>
<td>50-64</td>
<td>24%</td>
<td></td>
</tr>
<tr>
<td>65+</td>
<td>16%</td>
<td>75%</td>
</tr>
</tbody>
</table>

* All data are preliminary and subject to change as cases are investigated (posted March 29, 2020)
**Example Only, Not Current Numbers: Lab-Confirmed Cases: Demographics**

<table>
<thead>
<tr>
<th>Gender</th>
<th>Percent of Cases*</th>
<th>Percent of Deaths*</th>
</tr>
</thead>
<tbody>
<tr>
<td>Male</td>
<td>51%</td>
<td>75%</td>
</tr>
<tr>
<td>Female</td>
<td>47%</td>
<td>25%</td>
</tr>
<tr>
<td>Unknown</td>
<td>1%</td>
<td></td>
</tr>
</tbody>
</table>

*All data is preliminary and may change as cases are investigated.*
Laboratory Testing: Influenza Example

Influenza Positive Tests Reported by the NC State Laboratory of Public Health (SLPH)

- **#Positive Specimens**
- **% Positive**

**Week Ending Date**
- 10/05
- 10/19
- 11/02
- 11/16
- 11/30
- 12/14
- 12/28
- 01/11
- 01/25
- 02/08
- 02/22
- 03/07
- 03/21
- 04/04
- 04/18
- 05/02
- 05/16

- **A (not subtyped)**
- **2009 A (H1N1)**
- **Seasonal A (H3)**
- **B (Victoria)**
- **B (Yamagata)**
- **B (not subtyped)**

† Percent of submitted specimens for any influenza.
Influenza-Like Illness (ILI) Network
Death Reporting: Influenza Example
Death Reporting: Influenza Example

The chart shows the number of reported deaths due to influenza over a series of weeks. The horizontal axis represents the week ending date, while the vertical axis indicates the number of reported deaths. The chart is divided into two categories: Adult and Pediatric.

- Adult deaths:
  - Week ending 10/03: 1
  - Week ending 10/10: 2
  - Week ending 10/17: 3
  - Week ending 10/24: 4
  - Week ending 11/07: 10
  - Week ending 11/14: 15
  - Week ending 11/21: 13
  - Week ending 11/28: 10
  - Week ending 12/05: 9
  - Week ending 12/12: 16
  - Week ending 12/19: 17
  - Week ending 12/26: 18
  - Week ending 01/02: 14
  - Week ending 01/09: 7
  - Week ending 01/16: 2
  - Week ending 01/23: 5

- Pediatric deaths:
  - Week ending 10/03: 0
  - Week ending 10/10: 0
  - Week ending 10/17: 0
  - Week ending 10/24: 0
  - Week ending 11/07: 0
  - Week ending 11/14: 0
  - Week ending 11/21: 0
  - Week ending 11/28: 0
  - Week ending 12/05: 0
  - Week ending 12/12: 0
  - Week ending 12/19: 0
  - Week ending 12/26: 0
  - Week ending 01/02: 0
  - Week ending 01/09: 0
  - Week ending 01/16: 0
Syndromic Surveillance
Influenza-Like Illness in North Carolina

*For more information about national data visit [https://www.cdc.gov/flu/weekly/index.htm](https://www.cdc.gov/flu/weekly/index.htm). ILINet has now expanded to include emergency department data that were previously reported separately.
Influenza-Like Illness in NC Surveillance Regions

*This graph begins with data starting week ending October 5, 2019 for the 2019-2020 influenza season.*
ED Visits for Fever Cough Syndrome

![Graph showing ED visits for fever cough syndrome over time]

Source: NC DETECT
Generated: 3/27/20
Other Data Sources: Hospital Admissions

PHE Surveillance: Hospital Admissions for Acute Respiratory Illness by Week

Data Source: NC DETECT

Week Ending Date

Count

Age 0 - 4  Age 5 - 24  Age 25 - 64  Age 65+  Age Unknown  Total

Other Data Sources: Other Respiratory Viruses

PHE Surveillance: Positive Respiratory Virus Test Results by Week

Data source: NC DETECT

- RSV
- Parainfluenza
- Adenovirus
- Rhinovirus*
- hMPV
- Influenza
Knowledge Gaps

• Existing tools allow us to track trends
• Learning more about proportion of COVID-19 cases that don’t seek medical care or have mild/subclinical infection
• These studies will help interpret surveillance data and understand total burden of infection