North Dakota Department of Health
2020-21 Influenza Weekly Report

Influenza activity is still low across North Dakota, with only 7 laboratory-confirmed cases of influenza from the previous week. Last season saw an early increase in the number of influenza B, a trend which we are currently not seeing. It's not too late to get your influenza vaccination, if you have not already done so!

<table>
<thead>
<tr>
<th>Count</th>
<th>Tests: Result</th>
</tr>
</thead>
<tbody>
<tr>
<td>27</td>
<td><strong>Influenza A</strong></td>
</tr>
<tr>
<td>37</td>
<td><strong>Influenza B</strong></td>
</tr>
<tr>
<td>64</td>
<td></td>
</tr>
</tbody>
</table>

OVERVIEW

Cases reported for the week:
- This Season (2020-21): 7 cases
- Last Season (2019-20): 61 cases

Cumulative cases for the season:
- This Season (2020-21): 64 cases
- Last Season (2019-20): 201 cases

Data collection for the 2020-21 season began August 1, 2020.
Laboratory-confirmed influenza is a reportable disease in North Dakota. Influenza “cases” include people that have tested positive for influenza in a healthcare setting. It does not include people with influenza who did not seek healthcare, or who were diagnosed without a lab test, which is common. The true number of people with influenza in North Dakota is underrepresented, but case data allows us to see where and in what populations influenza is circulating. It also provides context regarding how the current season compares with previous seasons. Find more information about cases on www.ndflu.com.

Data collection for the 2020-21 season began August 1, 2020.
During the influenza season, influenza outbreaks are common anywhere people gather, including schools, child care centers, and health care facilities. Outbreaks of influenza or influenza-like illness may be reported to the NDDoH. The following outbreaks have been reported this season:

<table>
<thead>
<tr>
<th>Number of Outbreak Reported</th>
<th>Congregate Setting Type</th>
<th># of Ill Residents</th>
</tr>
</thead>
<tbody>
<tr>
<td>2</td>
<td>Long-term Care</td>
<td>5</td>
</tr>
<tr>
<td>2</td>
<td></td>
<td>5</td>
</tr>
</tbody>
</table>

**HOSPITALIZATIONS**

New Influenza Hospitalizations, by Date

**DEATHS**

Influenza and Pneumonia Related Deaths by Week

- Data collection for the 2020-21 season began August 1, 2020.
OUTPATIENT INFLUENZA-LIKE ILLNESS (ILI)

The NDDoH participates in the national U.S. Outpatient Influenza-like Illness Surveillance Network (ILINet). Data from participating outpatient providers in North Dakota are pooled to create a state-wide estimate for the weekly percent of healthcare visits due to influenza-like illness (ILI). Patients presenting with a fever of 100°F or greater and a cough and/or sore throat are considered to have ILI. For more information on state and national ILINet data, see FluView Interactive

Data collection for the 2020-21 season began August 1, 2020.

SENTINEL LABORATORY DATA

The NDDoH receives influenza and RSV testing data from participating sentinel laboratories across the state. The total number of positive tests and the total number of tests conducted are reported and used to create a state-wide percent positivity statistic. For influenza, percent positivity of 10% or greater indicates "season level" influenza activity.

<table>
<thead>
<tr>
<th>Week Ending Date</th>
<th>Percent ILI</th>
<th># 0-4</th>
<th># 5-24</th>
<th># 25-49</th>
<th># 50-64</th>
<th># &gt;65</th>
<th>Total # Visits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Saturday, November 7, 2020</td>
<td>1.03</td>
<td>4</td>
<td>15</td>
<td>23</td>
<td>15</td>
<td>15</td>
<td>2174</td>
</tr>
<tr>
<td>Saturday, October 31, 2020</td>
<td>1.03</td>
<td>4</td>
<td>14</td>
<td>34</td>
<td>10</td>
<td>15</td>
<td>2941</td>
</tr>
<tr>
<td>Saturday, October 24, 2020</td>
<td>1.02</td>
<td>8</td>
<td>13</td>
<td>34</td>
<td>10</td>
<td>11</td>
<td>3043</td>
</tr>
<tr>
<td>Saturday, October 17, 2020</td>
<td>1.02</td>
<td>7</td>
<td>13</td>
<td>23</td>
<td>17</td>
<td>3</td>
<td>3243</td>
</tr>
<tr>
<td>Saturday, November 14, 2020</td>
<td>1.02</td>
<td>7</td>
<td>9</td>
<td>21</td>
<td>12</td>
<td>7</td>
<td>2954</td>
</tr>
<tr>
<td>Total</td>
<td>1.02</td>
<td>30</td>
<td>64</td>
<td>135</td>
<td>64</td>
<td>51</td>
<td>14355</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Week ending date:</th>
<th>Flu % Positivity</th>
<th>RSV % Positivity</th>
</tr>
</thead>
<tbody>
<tr>
<td>Saturday, October 17, 2020</td>
<td>0.00</td>
<td>0.00</td>
</tr>
<tr>
<td>Saturday, October 24, 2020</td>
<td>0.05</td>
<td>0.00</td>
</tr>
<tr>
<td>Saturday, October 31, 2020</td>
<td>0.00</td>
<td>0.00</td>
</tr>
<tr>
<td>Saturday, November 7, 2020</td>
<td>0.00</td>
<td>0.00</td>
</tr>
<tr>
<td>Saturday, November 14, 2020</td>
<td>0.00</td>
<td>0.00</td>
</tr>
<tr>
<td>Total</td>
<td>0.01</td>
<td>0.00</td>
</tr>
</tbody>
</table>
During the influenza season, increases in school absenteeism data can be used as an early indicator for influenza circulation. The NDDoH received absenteeism data from a majority of schools in the state. Data here include absences for all reasons.

Data collection for the 2020-21 season began August 1, 2020.
The North Dakota Immunization Information System (NDIIS) provides information on vaccines given in North Dakota. Vaccines given to children 18 and younger are required to be entered into the NDIIS, while vaccines given to adults 19 and older are often entered into the NDIIS, there is no requirement for reporting for adults. Many immunization providers in North Dakota have established an electronic connection with the NDIIS, allowing all vaccinations administered by that provider site to be sent to the NDIIS automatically.

NDIIS data can also be used to estimate the percent of North Dakotans in each age group that have received an influenza vaccination so far this season. For week 39, the age group with the highest rate is adults 65 years and older with 10.6%, followed closely by kids 6 months to 4 years with 8.8% up-to-date and kids 5-12 years with 8%. The age group with the lowest vaccination rate is 19-49 year-olds, with only 3% up-to-date.
**State-wide Doses Administered for 2020-21 Season**

**Age Group**: 13 - 18 years, 19 - 49 years, 5 - 12 years, 50 - 64 years, 6 months - 4 years, 65 years and older

- **2020-2021 flu season**
  - 15K doses (13 - 18 years)
  - 28K doses (19 - 49 years)
  - 40K doses (5 - 12 years)
  - 19K doses (50 - 64 years)
  - 59K doses (6 months - 4 years)
  - 61K doses (65 years and older)

**State-wide Doses Administered to All Ages**

- **2019-2020 flu season**
  - 164K doses
- **2020-2021 flu season**
  - 160K doses

**State-wide Doses Administered to Children <= 18**

- **2019-2020 flu season**
  - 65K doses
- **2020-2021 flu season**
  - 63K doses

**State-wide Doses Administered to Adults>= 19**

- **2019-2020 flu season**
  - 164K doses
- **2020-2021 flu season**
  - 160K doses

**VACCINATION DOSES ADMINISTERED**

Influenza vaccine doses administered data from the NDIIS includes all administered doses of flu vaccine documented in the NDIIS to records with a North Dakota address. Adult immunizations do not have to be reported to the NDIIS so there may be more influenza vaccine doses being administered that are not reported to the NDIIS.

Age groups are determined based on age at the time of vaccination.
County-level doses administered data includes all administered doses of flu vaccine documented in the NDIIS as given to an individual with an address in the North Dakota county, regardless of where the provider who administered the dose was located.
FLU COVERAGE RATES

State-wide Flu Coverage for 2020-21 Season

Age Group • Adults 19 and older • All ND 6 months and older • Kids 18 and younger

NDIIS data can also be used to estimate the percent of North Dakotans in each age group that have received at least one dose of influenza vaccine so far this flu season. NDIIS records included in state-wide coverage rates must have a North Dakota address.

Adult immunizations do not have to be reported to the NDIIS so adult coverage rates may be higher.

State-wide Flu Coverage for Children <= 18

Age Group • Kids 18 and younger

State-wide Flu Coverage for Adults >=19

Age Group • Adults 19 and older

2019-2020 flu season:
- Adults 19 and older: 25.90%
- All ND 6 months and older: 27.30%
- Kids 18 and younger: 30.10%

2020-2021 flu season:
- Adults 19 and older: 24.40%
- All ND 6 months and older: 26.10%
- Kids 18 and younger: 31.60%
County-level Flu Coverage Rates for the 2020-21 Season

County-level coverage rate data is calculated for the percent of North Dakotans in each age group that have received at least one dose of influenza vaccine so far this flu season and live in the selected North Dakota county.