Respiratory Weekly

**Highlights**

- In week 50, there were five laboratory-confirmed cases of influenza reported (Table 1).
- As of December 14, 2019, there have been 30 (26A, 4B) laboratory-confirmed cases and five hospitalizations.
- Influenza activity across Canada continues to increase. Influenza A(H3N2) is the most common subtype detected to date.
- Cases have been reported in all regional health authorities (Figure 2).
- Approximately 70% (21 of 30) were less than 45 years of age (Figure 3).
- No confirmed influenza outbreaks have been reported so far this season (Figure 4).
- Emergency room visits with influenza-like illness (ILI) have increased from the previous week (Figure 5).
- Symptomatic respiratory HealthLine calls have remained stable from the previous week (Figures 6).
- Other respiratory viruses circulating in week 50 include RSV, PIV, entero/rhinovirus, hMPV and adenovirus (Table 3).
- Did you get it? Influenza vaccination remains one of the best methods to protect you and your children and prevent the spread of the virus!

**Laboratory-Confirmed Cases**

Table 1: Number of positive influenza cases in NL, by severity, week 50, 2019-2020 season

<table>
<thead>
<tr>
<th>Week</th>
<th>Cases</th>
<th>Hospitalizations</th>
<th>ICU Admissions</th>
<th>Deaths</th>
</tr>
</thead>
<tbody>
<tr>
<td>Total</td>
<td>30</td>
<td>5</td>
<td>0</td>
<td>0</td>
</tr>
</tbody>
</table>

Figure 1: Number of cases, hospitalizations, ICU admissions and deaths, by week virus identified, 2019-2020
Influenza by type, RHA

Figure 2: Total number of laboratory-confirmed influenza A and B, by Regional Health Authority, 2019-2020

Influenza by age group (n=30)

Figure 3: Percent of laboratory-confirmed influenza in NL, by age group, 2019-2020

Antiviral Resistance

Table 2: Cumulative antiviral resistance by influenza virus type and sub-type, Canada. 2019-2020

Source: Influenza and Respiratory Viruses Section, National Microbiology Laboratory (NML), Public Health Agency of Canada
Influenza and Other Respiratory Outbreaks

Figure 4: Number of influenza and other respiratory outbreaks, by month of onset, NL, 2019-2020

Emergency Department Influenza-like-Illness

Figure 5: Percent of emergency department visits with ILI by report week, NL, 2019-2020

Source: Emergency room data provided by the four regional health authorities.
Other Respiratory Viruses

Table 3: Weekly and total number of positive respiratory virus specimens in NL, by type, 2019-2020 season

<table>
<thead>
<tr>
<th>Virus Type</th>
<th>Week 50</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>R.S.V.</td>
<td>16</td>
<td>24</td>
</tr>
<tr>
<td>Parainfluenza virus 1</td>
<td>7</td>
<td>44</td>
</tr>
<tr>
<td>Parainfluenza virus 2</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Parainfluenza virus 3</td>
<td>0</td>
<td>3</td>
</tr>
<tr>
<td>Adenovirus</td>
<td>12</td>
<td>42</td>
</tr>
<tr>
<td>Entero/Rhinovirus</td>
<td>14</td>
<td>244</td>
</tr>
<tr>
<td>hMPV</td>
<td>1</td>
<td>3</td>
</tr>
</tbody>
</table>

Source: Respiratory Virus Detection, Public Health Agency of Canada; Public Health and Microbiology Laboratory, Eastern Health

HealthLine

Figure 6: Number of influenza-like-illness HealthLine calls by week and RHA, NL, 2019-2020 season

Resources and Disclaimer

» Find a Flu shot clinic in your community: http://www.health.gov.nl.ca/health/publichealth/cdc/infoforpros_edu.html
» HealthLine phone number is 811 and website: https://www.811healthline.ca/
» Public Health Laboratory website is http://publichealthlab.ca/
» Fluctuations in data occur with each report and can be attributed to continuous reporting.