Highlighted:

- A total of 2,571 PCR positive results, 158 hospitalizations and 24 deaths from COVID-19 were observed during the month of November 2022.
- The number of PCR positive results, hospitalizations and deaths decreased in November compared to October.
- Of the 24 deaths that occurred in November, 96% (23) were in people aged 70 years and older and 25% (6) were in people residing in a long-term care facility.
- Age and lack of vaccination continue to be associated with severe outcomes:
  - Nova Scotians aged 70+ have been hospitalized at almost 18.5 times the rate of those 18-49 years of age and their rate of death is 261 times higher compared to those under 50 years of age.
  - Unvaccinated Nova Scotians were hospitalized and died at almost three times the rate as those with three or more doses (hospitalized = 2.7; died=2.6)
COVID-19 Cases

Figure 1: Number and seven-day moving average of PCR positive results by collection date, March 1st to November 30th, 2022 (N=89,418)

Data source: PPHLN

Notes:
- Laboratory tests are also referred to as PCR (polymerase chain reaction) tests
- Access to PCR tests are restricted to eligible populations as outlined in the following link: https://www.nshealth.ca/coronavirustesting.
- Due to lag in reporting, some PCR positives will be outside the reporting period (newly reported)
- All individuals admitted to the hospital continue to be tested regardless of symptoms.
Figure 2: Number and seven-day moving average of COVID-19 cases among long-term care (LTC) residents by episode date, March 1st to November 30th, 2022 (N=3763)

Data source: Panorama

Notes:
- Due to lag in reporting, some long-term care (LTC) resident cases will be outside the reporting period (newly reported)
COVID-19 Serious Outcomes

Figure 3: Daily COVID-19 hospital and ICU admissions, March 1st to November 30th, 2022 (N=1943)

Data source: PPHLN, Meditech and STAR

Note:
- Care-in-place: All patients are treated in the unit or facility of the hospital that is appropriate for their care, regardless of COVID-19 status.
- ICU and Hospitalization are subject to lag. Newly reported captures outcomes outside the reporting period.
Figure 4: Number and seven-day moving average of COVID-19 deaths by date of death, March 1st to November 30th, 2022 (N=412)

Data source: Panorama

Notes:
- Deaths are subject to a lag in reporting. The previous 14 days (red area) should be interpreted with caution.
Table 1: PCR positive results, hospitalizations and deaths

<table>
<thead>
<tr>
<th></th>
<th>Number in reporting month</th>
<th>Number in previous month</th>
<th>Change from last month</th>
<th>1 March 2022-30 November 2022 totals</th>
<th>Age range (years)</th>
<th>Median age (years)</th>
<th>Median LoS (days)</th>
</tr>
</thead>
<tbody>
<tr>
<td>PCR Positives</td>
<td>2571</td>
<td>4769</td>
<td>-2198</td>
<td>89418</td>
<td>0 - 110</td>
<td>48</td>
<td>n/a</td>
</tr>
<tr>
<td>Hospitalizations</td>
<td>158</td>
<td>234</td>
<td>-76</td>
<td>1943</td>
<td>0 - 103</td>
<td>74</td>
<td>6.3</td>
</tr>
<tr>
<td>Deaths*</td>
<td>24</td>
<td>55</td>
<td>-31</td>
<td>412</td>
<td>16 - 107</td>
<td>83</td>
<td>n/a</td>
</tr>
</tbody>
</table>

Data sources: PCR positive results – Provincial Public Health Lab Network; Hospitalizations – PPHLN, Meditech, STAR; Deaths – Panorama

Notes:
- PCR refers to polymerase chain reaction tests performed in a lab
- LoS means length of stay
- * Deaths are subject to a lag in reporting. The number of deaths reported in the current and previous months should be interpreted with caution.
Table 2: Hospitalization* and death rates by age group, March 1st to November 30, 2022 (Waves 6 and 7***)

<table>
<thead>
<tr>
<th></th>
<th>Number</th>
<th>Crude rate per 100K</th>
<th>Relative Risk</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Hospitalizations</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>&lt;18 years</td>
<td>53</td>
<td>31.9</td>
<td>0.7</td>
</tr>
<tr>
<td>18-49 years**</td>
<td>164</td>
<td>42.9</td>
<td>1.0</td>
</tr>
<tr>
<td>50-69 years</td>
<td>497</td>
<td>170.5</td>
<td>4.0</td>
</tr>
<tr>
<td>70+ years</td>
<td>1229</td>
<td>792.3</td>
<td>18.5</td>
</tr>
<tr>
<td><strong>Deaths</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>&lt;50 years**</td>
<td>5</td>
<td>0.9</td>
<td>1.0</td>
</tr>
<tr>
<td>50-69 years</td>
<td>38</td>
<td>13.0</td>
<td>14.3</td>
</tr>
<tr>
<td>70+ years</td>
<td>369</td>
<td>237.9</td>
<td>261.0</td>
</tr>
</tbody>
</table>

Data sources: Hospitalizations - PPHLN, Meditech and STAR; Deaths - Panorama; Denominator - MSI Eligible Nova Scotians

Notes:
- * Hospitalizations for individuals missing age are excluded from the analysis (counts, crude rates, age-adjusted rates, risk reduction)
- ** = Denotes reference category. All risks are presented in comparison to the reference category.
  Comparisons are made by dividing the age-specific rates in the age category of interest to the age-specific rates in the reference category.
- To more accurately estimate vaccine coverage in Nova Scotia, the province is switching from using Statistics Canada population estimates as the denominator for estimating both per capita rates and vaccine coverage.
- ***Wave 6: March 1, 2022-June 30, 2022; Wave 7: July 1, 2022-present
Table 3: Age-adjusted hospitalization* and death rates by vaccine status, March 1st to November 30th, 2022 (Waves 6 and 7**)

<table>
<thead>
<tr>
<th>Vaccination Status</th>
<th>Number</th>
<th>Crude Rate per 100k Person-Years</th>
<th>Age-Adjusted Rate per 100k Person-Years</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hospitalizations</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Unvaccinated</td>
<td>333</td>
<td>225.4</td>
<td>534.5</td>
</tr>
<tr>
<td>2 Doses</td>
<td>382</td>
<td>165.8</td>
<td>381.3</td>
</tr>
<tr>
<td>3+ Doses</td>
<td>1226</td>
<td>301.9</td>
<td>197.8</td>
</tr>
<tr>
<td>Deaths</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Unvaccinated</td>
<td>55</td>
<td>37.2</td>
<td>113.6</td>
</tr>
<tr>
<td>2 Doses</td>
<td>63</td>
<td>27.3</td>
<td>90.2</td>
</tr>
<tr>
<td>3+ Doses</td>
<td>294</td>
<td>72.4</td>
<td>44.4</td>
</tr>
</tbody>
</table>

Data sources: Hospitalizations - PPHLN, Meditech and STAR; Deaths – Panorama; Denominator - MSI Eligible Nova Scotians

Notes:
- *Hospitalizations for individuals missing age are excluded from the analysis (counts, crude rates, age-adjusted rates, risk reduction)
- A person is considered unvaccinated when they have zero doses of any COVID-19 vaccine
- A person is considered to have two doses 14 or more days after the second dose of any vaccine OR 14 or more days after one dose of Johnson & Johnson vaccine OR are within 14 days of receiving a third dose of any COVID-19 vaccine
- A person is considered to have three or more doses 14 or more days after a third dose of any COVID-19 vaccine
- Due to small number of events occurring among those just one dose, that group is not included in this analysis.
- To more accurately estimate vaccine coverage in Nova Scotia, the province is switching from using health insurance card) as the denominator for estimating both per capita rates and vaccine coverage.
- **Wave 6: March 1, 2022-June 30, 2022; Wave 7: July 1, 2022-present
Table 4: Summary of confirmed and probable COVID-19 cases and outcomes, March 1\textsuperscript{st} to November 30\textsuperscript{st}, 2022 (Waves 6 and 7)

<table>
<thead>
<tr>
<th></th>
<th>Province-Wide</th>
</tr>
</thead>
<tbody>
<tr>
<td>Number of cases</td>
<td>89,418</td>
</tr>
<tr>
<td>Hospitalized (%)</td>
<td>2.2%</td>
</tr>
<tr>
<td>ICU (%)</td>
<td>0.3%</td>
</tr>
<tr>
<td>Deceased (%)</td>
<td>0.5%</td>
</tr>
</tbody>
</table>

Data sources: PCR positives PPHLN; Hospitalizations Meditech and STAR; Deaths Panorama

Notes:
- *Wave 6: March 1, 2022-June 30, 2022; Wave 7: July 1, 2022-present
Data Sources and Notes:

Panorama
- Data are valid to the day of the report at 04:00
- Data presented in this report contain the information available at the time of data extraction. It may be incomplete pending follow-up. As more information becomes available, it will be included in subsequent reports.

Provincial Public Health Laboratory Network
- Data are valid to the day of the report at 05:30.
- Data presented in this report contain the information available at the time of data extraction. It may be incomplete pending follow-up. As more information becomes available, it will be included in subsequent reports

Meditech and STAR (Nova Scotia Health)
- Data are valid to the day of the report at 04:00
- Data are based on positive lab results and reflect patients with a valid health card number at the time of testing or admission
- Data presented in this report contain the information available at the time of data extraction. It may be incomplete pending follow-up. As more information becomes available, it will be included in subsequent reports
- Includes patients that are assumed to be admitted for COVID-related treatment based on inpatient location

Wave dates are classified as follows
- Wave 1 March 1, 2020 to September 30, 2020
- Wave 2 October 1, 2020 to March 31, 2021
- Wave 3 April 1, 2021 to July 31, 2021
- Wave 4 August 1, 2021 to December 7, 2021
- Wave 5 December 8, 2021 to February 28, 2022
- Wave 6 March 1, 2022 to June 30, 2022
- Wave 7 July 1, 2022 to Present

COVID-19 Case Definitions