COVID-19: Going Forward

• September 3, 2020
# Weekly Profile of COVID-19 Cases

<table>
<thead>
<tr>
<th>Metric</th>
<th>Last Week</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>Total Cases</td>
<td>547</td>
<td>5,372</td>
</tr>
<tr>
<td>Ever Hospitalized</td>
<td>21</td>
<td>588</td>
</tr>
<tr>
<td>Deaths</td>
<td>4</td>
<td>204</td>
</tr>
<tr>
<td>Removed From Isolation</td>
<td>408</td>
<td>4,253</td>
</tr>
</tbody>
</table>

- **50%** Female Sex
- **41** Median Age
- **11%** Cases Hospitalized
- **69 Median Age**
- **4%** Cases Died
- **85 Median Age**
- **79%** Cases Removed
- **906 Active Cases**

*Note: Weekly comparison represents provincial data from August 21-27, 2020 compared to August 14-20, 2020.*
Geographic Distribution of COVID-19 by Health Service Delivery Area of Case Residence
Epidemic curve, COVID-19 cases in B.C. by reported date January 15 – August 29, 2020 (N=5,691)
Likely source of infection for COVID-19 cases in B.C. by episode date, January 15 – August 29, 2020 (N=5,693)
Counts of COVID-19 cases by ten year age groups and epidemiological week of report, B.C., January 19 – August 29, 2020 (N=5,645*)
Proportion of COVID-19 cases by ten year age groups and epidemiological week of report, B.C., January 19 – August 29, 2020 (N=5,645*)
Proportion of cases by exposure setting and age per epidemic phase, B.C., Jan. 1 – Sept. 1, 2020 (N=3,616*)

* Case counts by epidemic phase: Phase 1 Jan. 1 - May 18 - 1,651; Phase 2 May 19-Jun. 23 - 272; Phase 3 Jun. 24-Sep. 1 – 1,693
Proportion of cases by exposure or age during Phase 3, B.C., June 24 – Sept. 1, 2020 (N=1,693*)

* Case counts by age group: <10 - 76; 10-19 - 152; 20-29 - 573; 30-39 - 366; 40-49 - 183; 50-59 - 143; 60-69 - 92; 70-79 - 50; 80+ - 58
### Number and incidence rates of COVID-19 cases by health authority, B.C., August 23-29, 2020 (N=586)

<table>
<thead>
<tr>
<th></th>
<th>Fraser</th>
<th>Interior</th>
<th>Vancouver Island</th>
<th>Northern</th>
<th>Vancouver Coastal</th>
<th>Out of Canada</th>
<th>Total BC *</th>
</tr>
</thead>
<tbody>
<tr>
<td>Number of Cases between August 23-29</td>
<td>302</td>
<td>15</td>
<td>11</td>
<td>24</td>
<td>231</td>
<td>3</td>
<td>586</td>
</tr>
<tr>
<td>Incidence rate per 100,000 population per week</td>
<td>15.7</td>
<td>1.9</td>
<td>1.3</td>
<td>8.0</td>
<td>18.6</td>
<td>n/a</td>
<td>11.4</td>
</tr>
</tbody>
</table>

* The total BC incidence excludes the out of Canada residents.
Number of COVID-19 cases in hospital by day, B.C., March 18 – August 27, 2020
Total COVID-19 cases in critical care by day, B.C.
March 25 – August 27, 2020
Weekly Summary of COVID-19 Lab Testing

- **363,918** total specimens tested
- **28,025** new this week
- **6,974** total positive specimens
- **576** new positive this week
- **27.8**hr mean turnaround time
- **4.2%** change since last week

**9.33%** from last week
**2.1 percent positivity**
**9%** from last week

Lab Capacity **Good**

Completed Epi week 35 (Aug 23-29)
British Columbians’ Mobility

Daily Precipitation (Vancouver)

Mobility data for B.C., compared to baseline period (Jan. 2 - Feb. 6, 2020) (3-day smoother)

Social Distancing Measures Enacted

Daily COVID-19 cases (reported date)

COVID-19 IN BC
Dynamic Compartmental Modeling: Recent Trends

Solid black line: median $R_t$; grey band: 95% credible intervals; Purple bars: reported cases, excluding those attributed to facility outbreaks; The most recent case counts and $R_t$ values are not shown due to lags from transmission to case reporting.
Dynamic Compartmental Modeling: Scenarios

Our model scenarios illustrate that reducing rates of infectious contact can restore epidemic control.
Dynamic compartmental modeling

1. Since early July, our model estimate of transmission has varied suggesting the infection rate is not stable.

2. Our model illustrates the importance of reducing transmission in order to ensure epidemic control. Transmission is reduced by having fewer infectious contacts, through means such as physical distancing, self-isolation when sick, hand washing and masking when appropriate.
Commitment to Surgical Renewal

• **May 7**, we released our commitment to surgical renewal in B.C. to recover the lost surgeries and keep up with new demand.

• On **May 18**, we resumed non-urgent scheduled surgeries.

• At the core of our commitment we are focused on patients, increasing surgeries, and increasing essential personnel.
Commitment to Surgical Renewal

• By July 23, we delivered surgeries to 11,249 patients — almost 66% — of the 17,154 patients whose surgery was postponed.

• We performed 904 more surgeries than in the same timeframe last year.

• Operating room hours increased by 6%.

• We performed 7,368 urgent surgeries, a 4% increase over the same timeframe last year.

• We doubled the non-urgent surgeries completed for patients waiting longer than two times their target wait.
Commitment to Surgical Renewal

• While we have temporarily shifted our priorities from targeting hip, knee and dental surgeries, they have increased over the same timeframe last year: +4% hip, +4% knee and +2% dental surgeries.

• From June 26 to July 23, we recruited seven additional anesthesiologists and general practitioner anesthesiologists.

• We also hired an additional 49 perioperative registered nurses, seven perioperative licensed practical nurses, 13 post-anesthetic recovery registered nurses, and 24 medical device reprocessing technicians.