PRESENTATION OF THE SCENARIOS

The Government of Québec is making public various COVID-19 scenarios that include the potential number of infections, regular hospitalization, intensive care hospitalization and mortality. The point of making this information public is to enable the Government of Québec to make the population aware of the potential effects of COVID-19 propagation within the community, as well as the importance of following confinement instructions and physical distancing recommendations.

The key features of the various scenarios are as follows:

• The curves shown in the graphics are based on empirical data from various European countries.

• For each country, day 0 starts when 10 COVID-19 cases were diagnosed. That date was March 12, 2020, for Québec.

• The pessimistic scenarios for estimated cumulative numbers of positive confirmed COVID-19 cases, active hospitalization, intensive care hospitalization and mortality were determined on the basis of the speed of propagation of cases in Italy, where the propagation of the virus was very fast and the number of deaths, significant.

• The optimistic scenarios concern the cumulative number of confirmed COVID-19 cases, the estimated number of active hospitalizations and intensive care hospitalizations on the basis of the rate of increase in cases observed in Portugal, country characterized by a slower propagation of the virus.

• The optimistic scenario for the estimated number of deaths was based on the rate of growth in Germany, where the mortality rate was low.

• According to the scientific experts who were consulted, Québec is likely to experience a plateau around April 18, followed by a decline based on an estimated rate of diagnosis. The estimate is preliminary and is likely to be revisited as new information becomes available.

• The number of regular and intensive care hospitalizations stems from various hypotheses and is based on estimates of the number of cases.

Learn more about how the Government of Québec is doing everything humanly possible to protect citizens from COVID-19 at Québec.ca/coronavirus.
## Action Timeline

### February 27–March 29, 2020

<table>
<thead>
<tr>
<th>Date</th>
<th>Event</th>
</tr>
</thead>
<tbody>
<tr>
<td>March 9</td>
<td>Specific measures initiated: Four designated COVID-19 centres open across Québec</td>
</tr>
<tr>
<td>March 11–12</td>
<td>Warning to travellers, voluntary self-isolation, cancel internal meetings, avoid non-essential visiting</td>
</tr>
<tr>
<td>March 14</td>
<td>Nursing Home Visits Prohibited</td>
</tr>
<tr>
<td>March 15</td>
<td>Minimum 1-metre physical distancing</td>
</tr>
<tr>
<td>March 18</td>
<td>Increased Screening Capacity</td>
</tr>
<tr>
<td>March 19</td>
<td>Prohibition on Regional Travel and Especially for Montréal and l’Estrie</td>
</tr>
<tr>
<td>March 22</td>
<td>Closure of Shopping Centres, Hair Salons, etc.</td>
</tr>
<tr>
<td>March 24</td>
<td>Businesses Reduce Activities to a Minimum</td>
</tr>
<tr>
<td>March 27</td>
<td>Prohibition on Regional Travel (additional regions and check points)</td>
</tr>
<tr>
<td>March 29</td>
<td>Prohibition on Regional Travel (additional check points)</td>
</tr>
</tbody>
</table>

- **February 27**: First Confirmed Case
- **March 13**: Health Emergency Declared
- **March 16**: Closure of Schools and Daycare Centres
- **March 18**: First COVID-19 Death in Québec

*Québec Gouvernement*
Estimated evolution of the cumulative number of confirmed COVID-19 cases in Québec April 13 scenarios

Scenario A (optimistic – Portugal)
Scenario B (pessimistic – Italy)

Positive cases

Dates

March 12, 2020

April 18 to May 7, 2020

Estimated projections based on a preliminary rate of decline

May 7, 2020

Vos gouvemement

Québec
Estimated evolution of the **number of active hospitalizations** of confirmed COVID-19 cases in Québec

April 13 scenarios (15% of hospitalized cases and 8-day average stay)

<table>
<thead>
<tr>
<th>Dates</th>
<th>Real</th>
<th>Scenario A (optimistic – Portugal)</th>
<th>Scenario B (pessimistic – Italy)</th>
</tr>
</thead>
<tbody>
<tr>
<td>March 12</td>
<td>3028</td>
<td></td>
<td>1042</td>
</tr>
<tr>
<td>March 13</td>
<td>936</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
| April 18 to May 7, 2020 Estimated projections based on a preliminary rate of decline
Estimated evolution of the cumulative number of confirmed COVID-19 cases in intensive care in Québec
April 13 scenarios (5% of hospitalized cases and 8-day average stay)

Currently available intensive care beds

Dates

April 18 to May 7, 2020
Estimated projections based on a preliminary rate of decline
Evolution of the estimated cumulative number of deaths from COVID-19 in Québec April 13 scenarios

Scenario A (optimistic – Germany)
Scenario B (pessimistic – Italy)

Dates

Estimated projections based on a preliminary rate of decline

March 12, 2020

May 7, 2020

Real

Scenario A

Scenario B

Deaths

0

1,000

2,000

3,000

4,000

5,000

6,000

7,000

8,000

9,000

10,000

9,617

1,442

435

April 18 to May 7, 2020

Votegouvernement

Québec