

# CORONAVIRUS DISEASE 2019 (COVID-19)

## DAILY EPIDEMIOLOGY UPDATE

Updated: 10 May 2020, 11:00 ET

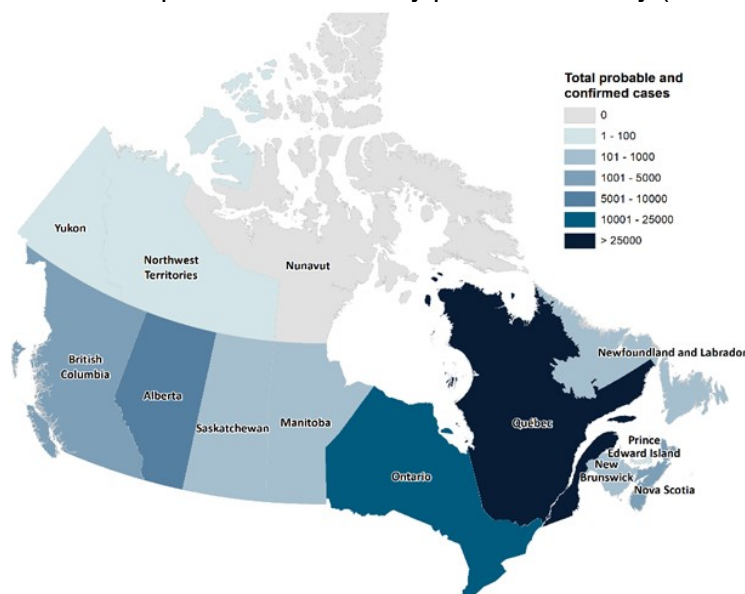
<b>66 996</b> CONFIRMED CASES	<b>30 638 (47%)</b> RECOVERED	<b>4 728 (7%)</b> DEATHS
<b>1 216</b> NEW CASES	<b>26 900</b> PEOPLE TESTED, DAILY AVERAGE*	<b>5.8 %</b> PERCENT POSITIVE, CUMULATIVE

\*Seven day average. Further information provided in Laboratory section

### KEY UPDATES

- New cases continue to be reported across the country, however with a decreasing trend in daily reported cases observed.
- Quebec continues to report the highest number of cases of COVID-19 in Canada (Figure 1), since 23 March, 2020.
- No new deaths were reported in nine jurisdictions within the past 24 hours.
- The majority of deaths (93%) were reported from Quebec and Ontario.

**Figure 1.** Map of COVID-19 cases reported in Canada by province/territory (N=66 983\*)



Data source: P/T websites. Map from NML Geomatics  
\*The map excludes the 13 repatriated travellers



# COVID-19 IN CANADA

## NATIONAL OVERVIEW

- No new deaths were reported in nine jurisdictions in the past 24 hours.
- In Prince Edward Island, Yukon, and Northwest Territories:
  - no new cases have been reported in at least the past 7 days
  - all previous cases have recovered
- Nunavut has not reported any cases.
- The majority of deaths (93%) were reported from Quebec (2 786) and Ontario (1 634).

**Table 1:** Summary of COVID-19 cases reported in Canada by location as of 10 May 11:00 ET

Location	Total cases	New cases reported in past 24 hours	Recovered	% Recovered	Total deaths	New deaths reported in past 24 hours
BC	2 330	15	1 659	71%	129	2
AB	6 157	59	4 204	68%	116	1
SK	553	9	340	61%	6	0
MB	284	0	247	87%	7	0
ON	20 238	294	14 772	73%	1 634	35
QC	36 986	836	9 268	25%	2 786	61
NL	261	0	244	93%	3	0
NB	120	0	118	98%	0	0
NS	1 011	3	743	73%	47	1
PE	27	0	27	100%	0	0
YK	11	0	11	100%	0	0
NT	5	0	5	100%	0	0
NU	0	0	0	0%	0	0
Repatriated travellers*	13	13	Unknown	Unknown	0	0
<b>Total</b>	<b>67 996</b>	<b>1 216</b>	<b>31 638</b>	<b>47%</b>	<b>4 728</b>	<b>100</b>

\* Repatriated travellers refer to the Grand Princess cruise ship travellers who were under quarantine in Trenton in March 2020. Update on their status is not available.

PHAC receives detailed case information from provinces and territories. The epidemiology update is based on information received for 35 100 cases. Not all data fields are complete, only cases with data available are included. Data presented are as of 10 May at 11:00 (ET).

# COVID-19 IN CANADA

## DEMOGRAPHIC DISTRIBUTION

- **23 549** cases (68%) are over 40 years old. The highest proportion of cases are among those aged 40-59 years (32%), followed by those aged 20-39 years (26%); 5% of cases were ≤ 19 years of age.
- 55% of cases were females.

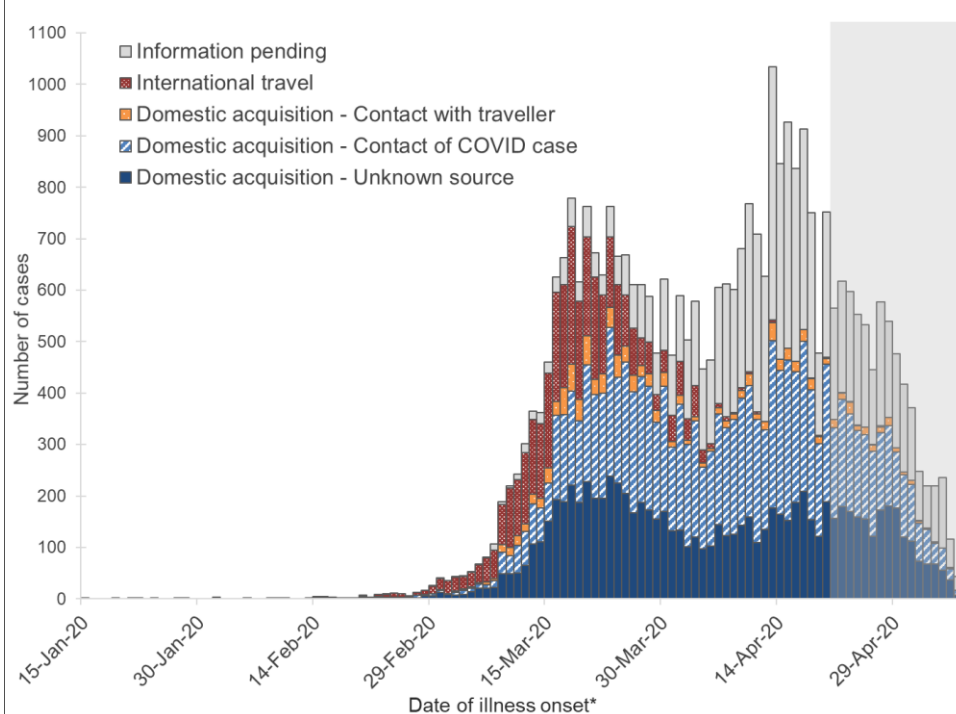
**Table 2.** Demographic characteristics of COVID-19 cases reported in Canada as of 10 May 2020

Age (in years)			
Median		51	
Range		0-111	
Age groups		n=34 560	
≤ 19		1 868	(5%)
20-39		9 143	(26%)
40-59		11 227	(32%)
60-79		6 883	(20%)
80+		5 439	(16%)
Gender		n=34 863	
Female		19 148	(55%)
Male		15 700	(45%)
Other		15	(<1 %)

## TEMPORAL DISTRIBUTION BY EXPOSURE CATEGORY

- Since March 12th, the majority of cases reported have been due to community transmission.
- 3 756 cases (11%) reported having travelled outside of Canada and 21 203 (61%) cases are due to domestic acquisition.

**Figure 2.** Number of newly reported COVID-19 cases in Canada, by date of illness onset and exposure category (n=33 475)



\*If date of illness onset was not available the earliest of the following dates was used as an estimate in the following order: Specimen Collection Date, and Laboratory Testing Date. **Note:** The shaded area represents a period of time (lag time) where it is expected that cases have occurred but have not yet been reported nationally

# COVID-19 IN CANADA

## LABORATORY TESTING

Over **1 093 304** people have been tested for COVID-19 in Canada (Table 3). This corresponds to a test rate of 29 086 per million population. The percent positivity represents the number of positive tests of the total number of tests undertaken. The cumulative rate of positive is **5.8%** since early March. Over the past seven days, the average daily number of new people tested was **26 900**.

**Table 3:** Summary of COVID-19 testing reported in Canada by location as of 10 May 10:30 ET

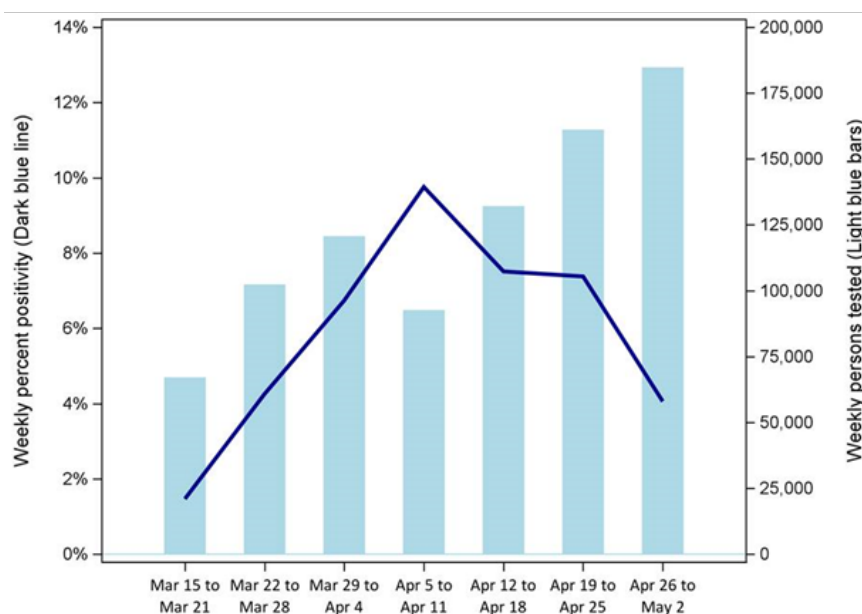
Location	Total People tested*	New Tests since last report	People tested per 1 000 000 pop'n
BC	93 431	1 763	18 423
AB	169 415	3 088	38 756
SK	34 093	640	29 029
MB	29 438	696	21 496
ON	419 802	17 041	28 820
QC	278 389	1 602	32 810
NL	9 802	103	18 794
NB	16 750	333	21 562
NS	34 820	289	35 845
PE	3 846	69	24 505
YK	1 075	0	26 313
NT	1 799	9	40 133
NU	568	0	14 647
<b>Total*</b>	<b>1 093 304</b>	<b>25 633</b>	<b>29 086</b>

‡For provinces and territories which report the number of tests completed, mathematical formula is used to estimate the number of unique people tested. \*Includes 76 repatriated travellers tested.

Note: Laboratory testing numbers may be underestimated due to reporting delays and may not include additional sentinel surveillance or other testing conducted in the P/T.

For the period 26 April to 2 May, **184 801** persons were tested and the daily average percent positivity over that same period was **4.1%** (Figure 3).

**Figure 3:** Number of persons tested for COVID-19 and percent positivity by week



Data source: NML.

# COVID-19 IN CANADA

## CLINICAL PRESENTATIONS AND OUTCOME

- For the 4 196 cases for which the clinical presentation was reported, 560 cases (13%) reported having been clinically or radiologically diagnosed with pneumonia.
- Among those 560 cases, 57% were aged ≥ 60 years, and 41% were aged 60-79 years.

**Table 4.** Clinical presentation\* summary of COVID-19 cases reported in Canada as of 10 May 2020

Clinical Presentations			By Age group	
Pre-existing Conditions	n= 8 700		≤19	20+
Cardiac	1 073	(12%)	7 (1%)	1012 (13%)
Respiratory disease	1 073	(12%)	51 (9%)	908 (12%)
Diabetes	842	(10%)	0 0%	784 10%)
Symptoms	n= 8 636			
Cough	6 357	(74%)	354 (58%)	5 596 (72%)
Headache	4 785	(55%)	220 (36%)	4 249 (54%)
Weakness	4 642	(54%)	182 (30%)	4 138 (53%)
Fever	3 960	(46%)	213 (35%)	3 502 (45%)
Clinical evaluations, complications or diagnosis	n= 4 196			
Pneumonia	560	(13%)	4 (2%)	534 (14%)
Dyspnea	316	(8%)	3 (2%)	293 (8%)
Abnormal lung auscultation	271	(6%)	7 (4%)	240 (6%)

*\*The categories for pre-existing conditions, symptoms and complications clinical presentations are not mutually exclusive and the list is non exhaustive.*

# COVID-19 IN CANADA

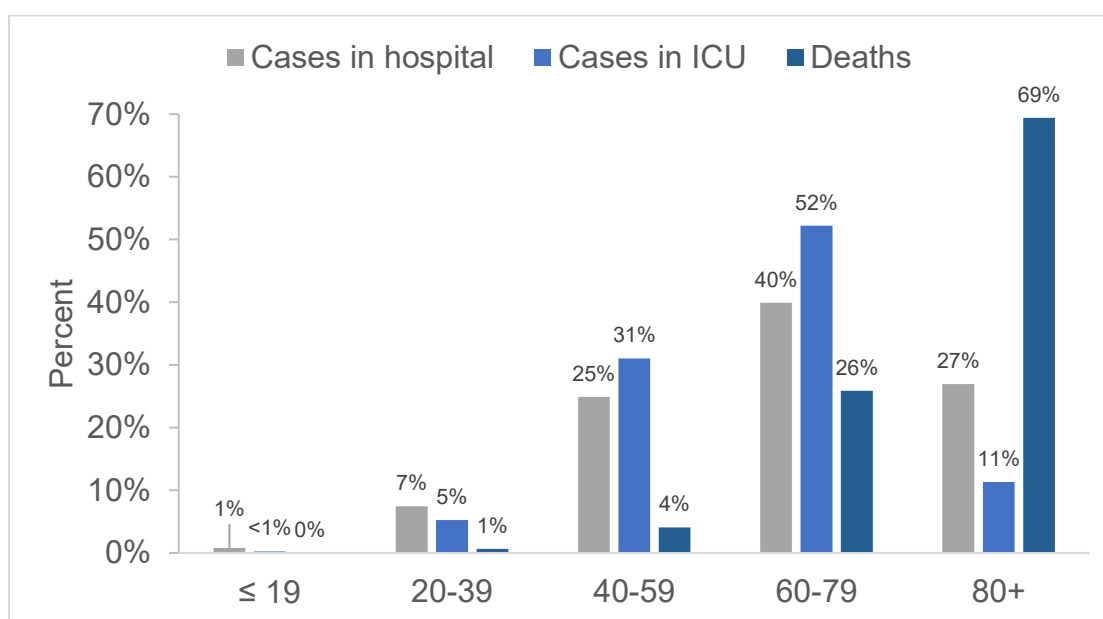
## CASE SEVERITY

- **3 724** cases (**16%**) reported hospitalization, including **854** (**23%**) admitted to the ICU, and **164** (**5%**) of hospitalizations requiring mechanical ventilation
- 74% reported one or more pre-existing conditions.

**Table 5.** Clinical presentation summary of COVID-19 cases reported in Canada as of 10 May 2020

Case Severity					
Overall Summary Hospitalizations					
Hospitalizations			3 724/23 123		(16%)
Hospitalizations in ICU			854/3 724		(23%)
Hospitalizations requiring mechanical ventilation			164/3 724		(4%)
All Hospitalizations		Admitted to ICU		Deceased	
Age groups					
≤ 19	32 (1%)	2 (<1%)	0 (0%)		
20-39	272 (7%)	44 (5%)	12 (1%)		
40-59	917 (25%)	261 (31%)	76 (4%)		
60-79	1 466 (40%)	439 (52%)	482 (26%)		
80+	989 (27%)	95 (11%)	1 298 (69%)		
<b>Total</b>	<b>3 676 (100%)</b>	<b>841 (100%)</b>	<b>1 868 (100%)</b>		
Gender					
Female	1 661 (45%)	305 (36%)	984 (53%)		
Male	2 049 (55%)	546 (64%)	867 (47%)		
Other	1 (<1%)				
<b>Total</b>	<b>3 711 (100%)</b>	<b>851 (100%)</b>	<b>1 851 (100%)</b>		

**Figure 4.** Proportion of COVID-19 cases hospitalized, admitted to ICU and have died in Canada, by age group, as of 10 May 2020



# COVID-19 IN CANADA

## FLUWATCHERS

FluWatchers is an online health surveillance system that relies on volunteer reports to track spread of flu-like illness across Canada.

In the context of the COVID-19 pandemic, FluWatchers is shifting focus to track COVID-19 symptoms over the spring and summer months.

In the week of April 26, 2020, 10,619 participants reported into the FluWatchers program. A total of 24 participants (0.2%) reported cough and fever.

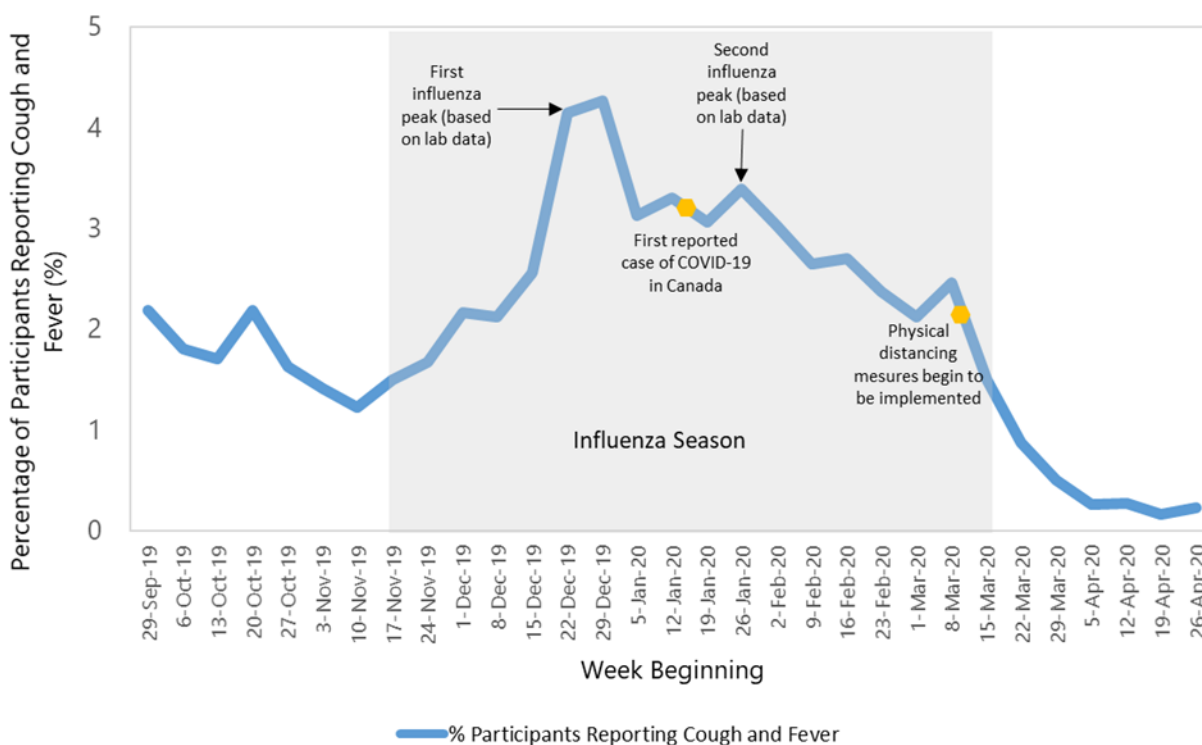
Among the 24 participants reporting cough and fever:

- 7 (30%) sought medical attention
- 4 (17%) were tested
  - 2 tests were positive for COVID-19, 1 test was positive for another seasonal respiratory virus and 1 test was negative

Additionally, 219 participants (2%) reported having a cough and at least one other symptom\* in the week of April 26, 2020. Sixteen of these participants reported being tested and one test was positive for COVID-19 (13 tests were negative and two results were unavailable at the time of reporting).

*\*sore throat, fatigue/exhaustion, diarrhea/vomiting/stomach ache, joint pain, muscle pain, shortness of breath and headache*

**Figure 6.** Percentage of FluWatchers participants reporting cough and fever (N=10 619 the week of April 26, 2020)





# COVID-19 IN CANADA

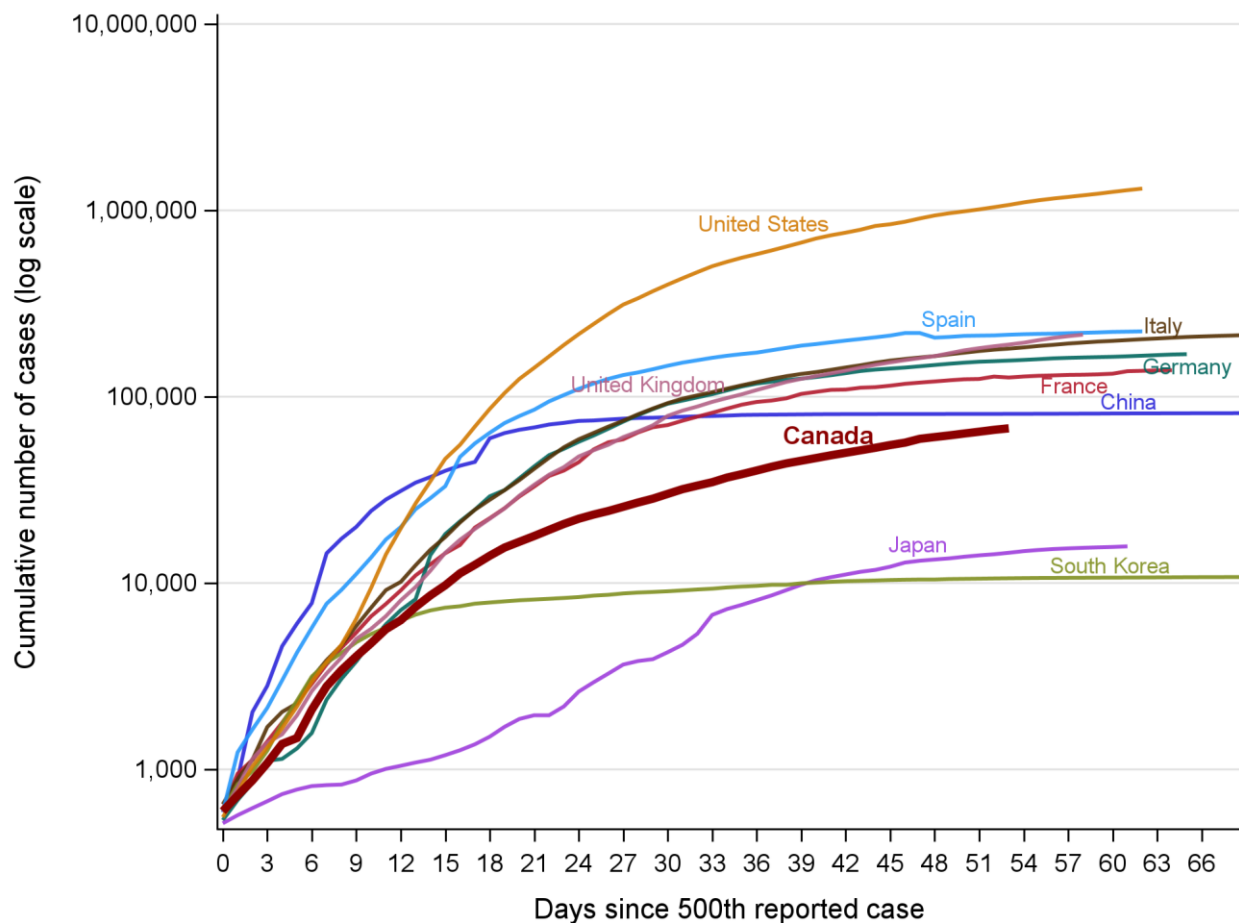
## INTERNATIONAL

A summary of the cumulative cases of COVID-19 in Canada compared to other countries by date of report can be seen in **Figure 7**.

Up-to-date country-specific risk levels may be found on [travel health notices](#).

For more information on COVID-19 internationally, please refer to the [World Health Organizations' COVID-19 Situation Report](#).

**Figure 7.** Cumulative cases of COVID-19 in Canada compared to other countries by date of report



**Note:** At this time, results from international comparisons should be interpreted with caution. The number of tests conducted and indications for testing by country all have a large influence on total reported case counts. Therefore, the data displayed does not necessarily represent the true size of outbreak within each country.