

CORONAVIRUS DISEASE 2019 (COVID-19)

DAILY EPIDEMIOLOGY UPDATE

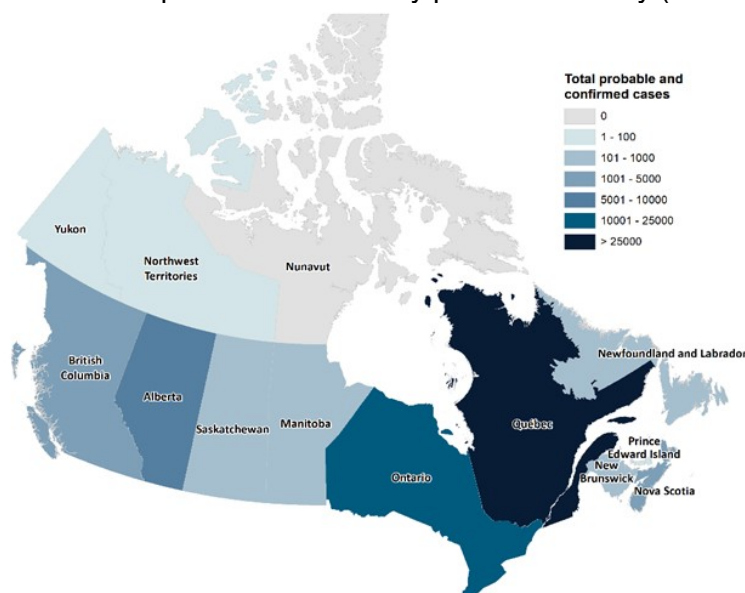
Updated: 12 May 2020, 11:00 ET

70 342 CONFIRMED CASES	33 254 (47%) RECOVERED	5 049 (7%) DEATHS
1 186 NEW CASES	30 452 PEOPLE TESTED PER 1 000 000	5.7% PERCENT POSITIVE, CUMULATIVE

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 ten jurisdictions within the past 24 hours.
- The majority of deaths (94%) were reported from Quebec and Ontario.

Figure 1. Map of COVID-19 cases reported in Canada by province/territory (N=70 342*)



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



COVID-19 IN CANADA

NATIONAL OVERVIEW

- The majority of deaths (94%) were reported from Quebec (3 013) and Ontario (1 725).
 - No new deaths were reported in ten jurisdictions in the past 24 hours.
- For the past seven days:
 - no new cases have been reported in Newfoundland, New Brunswick Prince Edward Island, Yukon, Northwest Territories, and Nunavut.
 - fewer than five cases have been reported daily in Manitoba, Newfoundland and Labrador, and New Brunswick.
- No new deaths were reported in ten jurisdictions within the past 24 hours.

Table 1: Summary of COVID-19 cases reported in Canada by location as of 12 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	2 353	23	1 719	73%	130	1
AB	6 300	47	4 659	74%	117	0
SK	568	4	363	64%	6	0
MB	289	2	247	85%	7	0
ON	20 907	361	15 391	74%	1 725	56
QC	38 469	748	9 703	25%	3 013	85
NL	261	0	244	93%	3	0
NB	120	0	118	98%	0	0
NS	1 019	1	767	75%	48	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	0	Unknown	Unknown	0	0
Total	70 342	1 186	33 254	47%	5 049	143

* 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 36 108 cases. Not all data fields are complete, only cases with data available are included. Data presented are as of 12 May at 11:00 (ET).

COVID-19 IN CANADA

DEMOGRAPHIC DISTRIBUTION

- **24 236** 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.

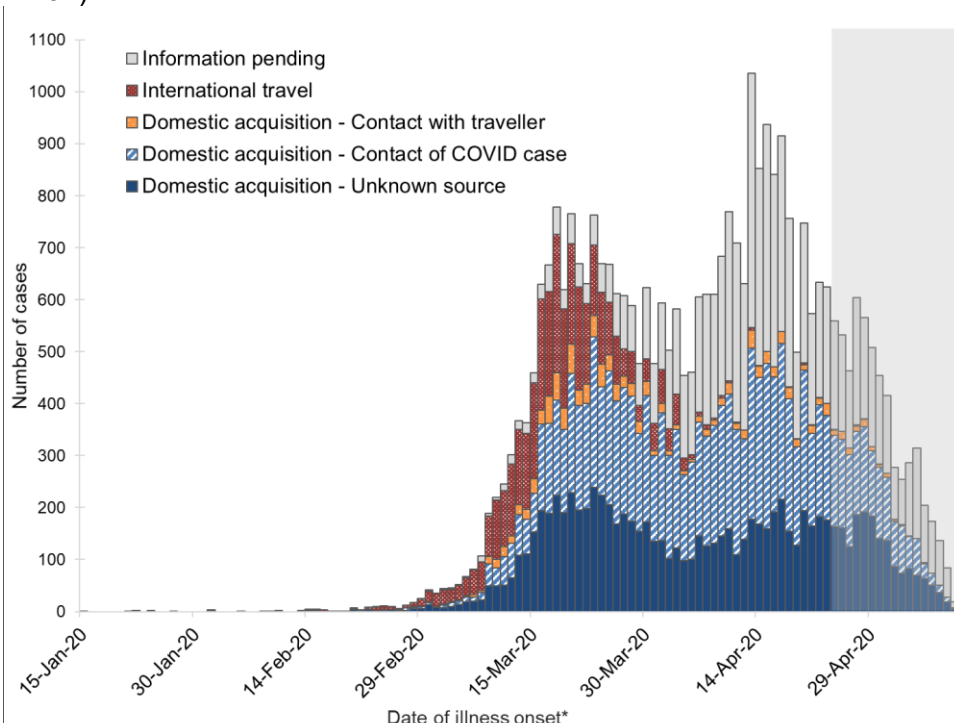
Table 2. Demographic characteristics of COVID-19 cases reported in Canada as of 12 May 2020

Age (in years)			
Median		51	
Range		0-119	
Age groups		n=35 568	
≤ 19		1 913	(5%)
20-39		9 419	(26%)
40-59		11 548	(32%)
60-79		7 069	(20%)
80+		5 619	(16%)
Gender		n=35 867	
Female		19 738	(55%)
Male		16 113	(45%)
Other		16	(<1 %)

TEMPORAL DISTRIBUTION BY EXPOSURE CATEGORY

- Since 12 March, the majority of cases reported have been due to community transmission.
- 3 759 cases (11%) reported having travelled outside of Canada and 21 887 (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=34 492)



*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 **1 144 671** people have been tested for COVID-19 in Canada (Table 3). This corresponds to a test rate of 30 452 per million population. Since early March, the percent positive is **5.7%** which represents the number of positive tests to the total number of tests undertaken.

Table 3: Summary of COVID-19 testing reported in Canada by location as of 12 May 10:30 ET

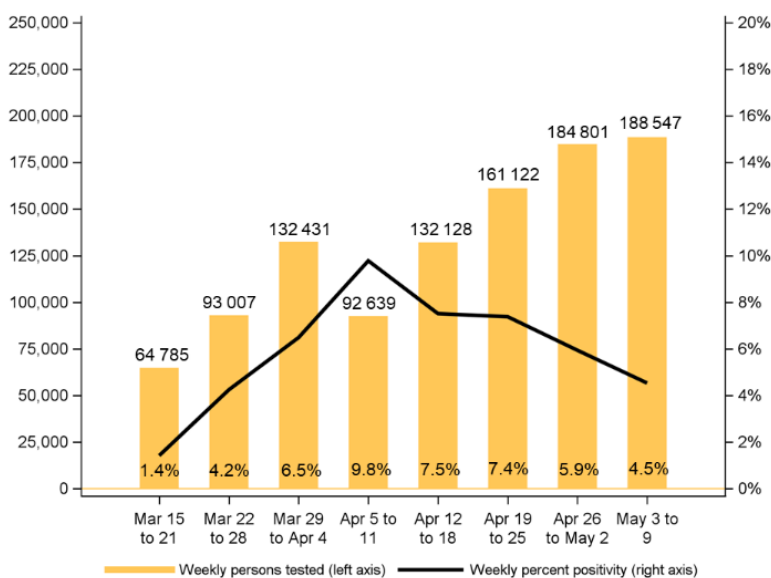
Location	Total People tested*	New Tests since last report	People tested per 1 000 000 pop'n
BC	95 558	1 531	18 843
AB	175 502	2 479	40 149
SK	34 801	216	29 631
MB	30 799	401	22 490
ON	444 882	11 566	30 541
QC	290 888	6 649	34 283
NL	10 043	147	19 256
NB	17 339	279	22 320
NS	35 430	407	36 473
PE	4 029	119	25 671
YK	1 094	6	26 778
NT	3 626	1 817	80 891
NU	604	28	15 575
Total*	1 144 671	25 645	30 452

‡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 3 to 9 May, **188 547** persons were tested and the daily average percent positivity over that same period was **4.5%** (Figure 3).

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



Data source: Provided by the NML, who receive lab testing data from provincial labs

COVID-19 IN CANADA

CLINICAL PRESENTATIONS AND OUTCOME

- For the 4 197 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 12 May 2020

Clinical presentation	By Age group		Overall **
	≤ 19	20+	
Pre-Existing Conditions	n= 579	n= 7 638	n= 8 709
Cardiac	7 (1%)	1 013 (13%)	1 074 (12%)
Respiratory disease	51 (9%)	970 (13%)	1 075 (12%)
Diabetes	0 (0%)	796 (10%)	844 (10%)
Symptoms	n= 611	n= 7 809	n= 8 649
Cough	354 (58%)	5 604 (72%)	6 365 (74%)
Headache	221 (36%)	4 253 (54%)	4 790 (55%)
Weakness	182 (30%)	4 141 (53%)	4 645 (54%)
Fever	213 (35%)	3 504 (45%)	3 962 (46%)
Clinical evaluations, complications or diagnosis	n= 191	n= 3 743	n= 4 197
Pneumonia	4 (2%)	534 (14%)	560 (13%)
Dyspnea	3 (2%)	291 (8%)	314 (7%)
Abnormal lung auscultation	7 (4%)	240 (15%)	271 (6%)

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

**Cases for which there is detailed information

COVID-19 IN CANADA

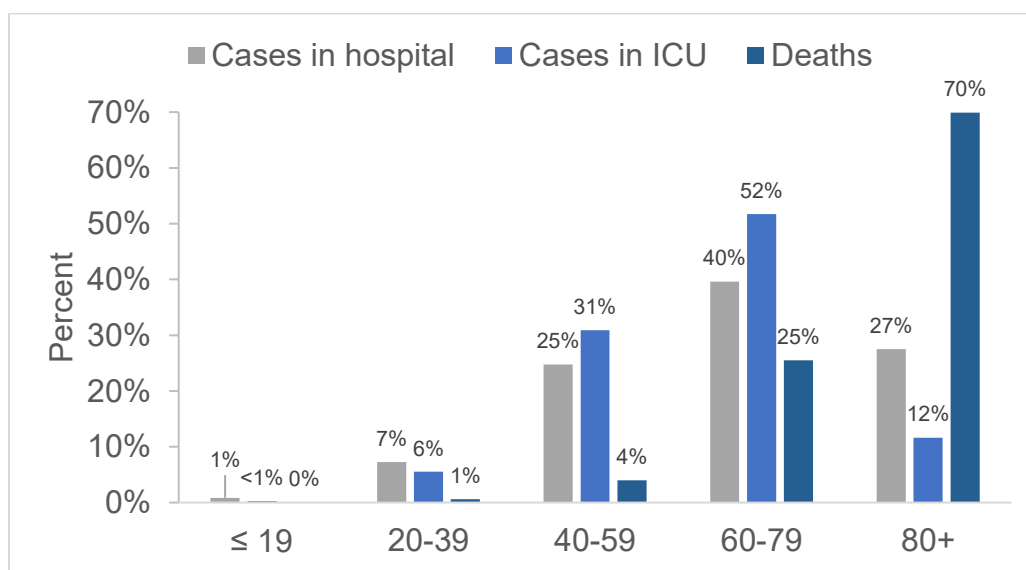
CASE SEVERITY

- **3 893** cases (**17%**) reported hospitalization, including **881** (**23%**) admitted to the ICU, and **164** (**4%**) of hospitalizations requiring mechanical ventilation
- 73% reported one or more pre-existing conditions.

Table 5. Clinical presentation summary of COVID-19 cases reported in Canada as of 12 May 2020

Case Severity						
Overall Summary Hospitalizations						
Hospitalizations		3 893/2 3507		(17%)		
Hospitalizations in ICU		881/3 893		(23%)		
Hospitalizations requiring mechanical ventilation		164/3 893		(4%)		
All Hospitalizations			Admitted to ICU		Deceased	
Age groups						
≤ 19	33	(1%)	2	(<1%)	0	(0%)
20-39	279	(7%)	48	(6%)	12	(1%)
40-59	952	(25%)	268	(31%)	80	(4%)
60-79	1 524	(40%)	449	(52%)	509	(25%)
80+	1 057	(27%)	101	(12%)	1 396	(70%)
Total	3 845	(100%)	868	(100%)	1 997	(100%)
Gender						
Female	1 749	(45%)	315	(36%)	1 048	(53%)
Male	2 131	(55%)	564	(64%)	929	(47%)
Other	1	(<1%)				
Total	3 881	(100%)	879	(100%)	1 977	(100%)

Figure 4. Proportion of COVID-19 cases hospitalized, admitted to ICU and have died in Canada, by age group, as of 12 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.

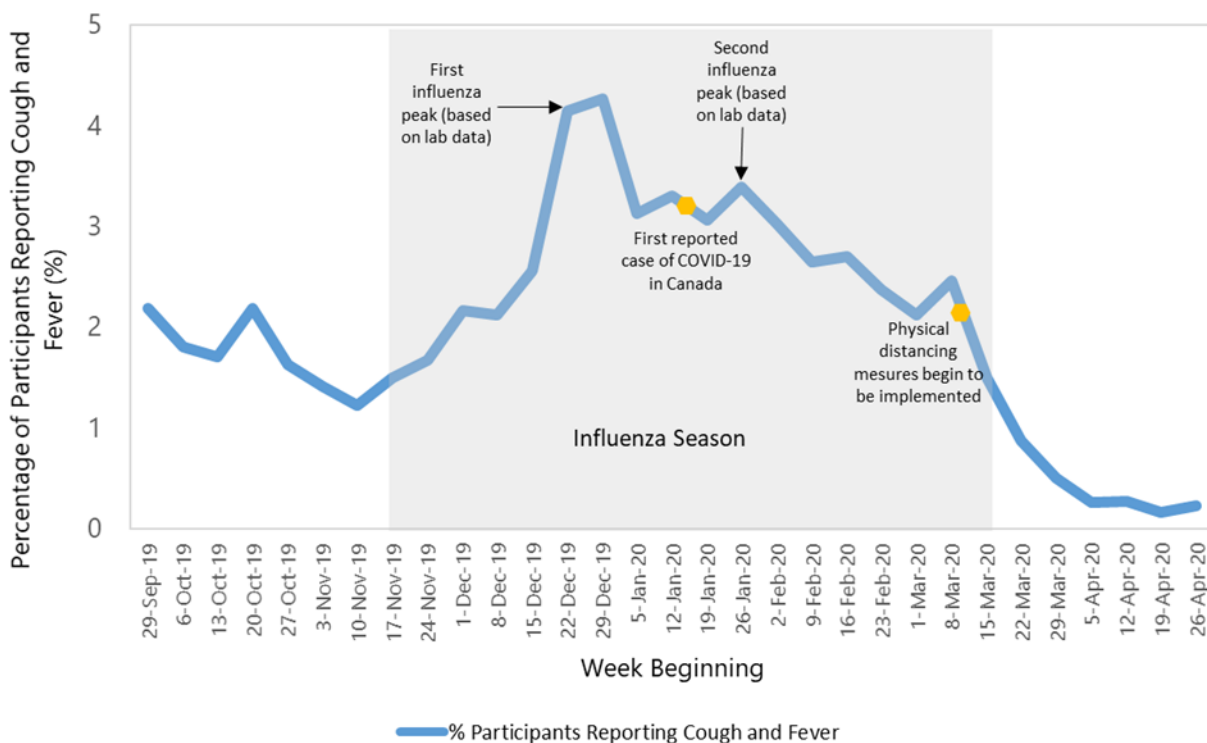
Among the 24 participants reporting cough and fever:

- 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)



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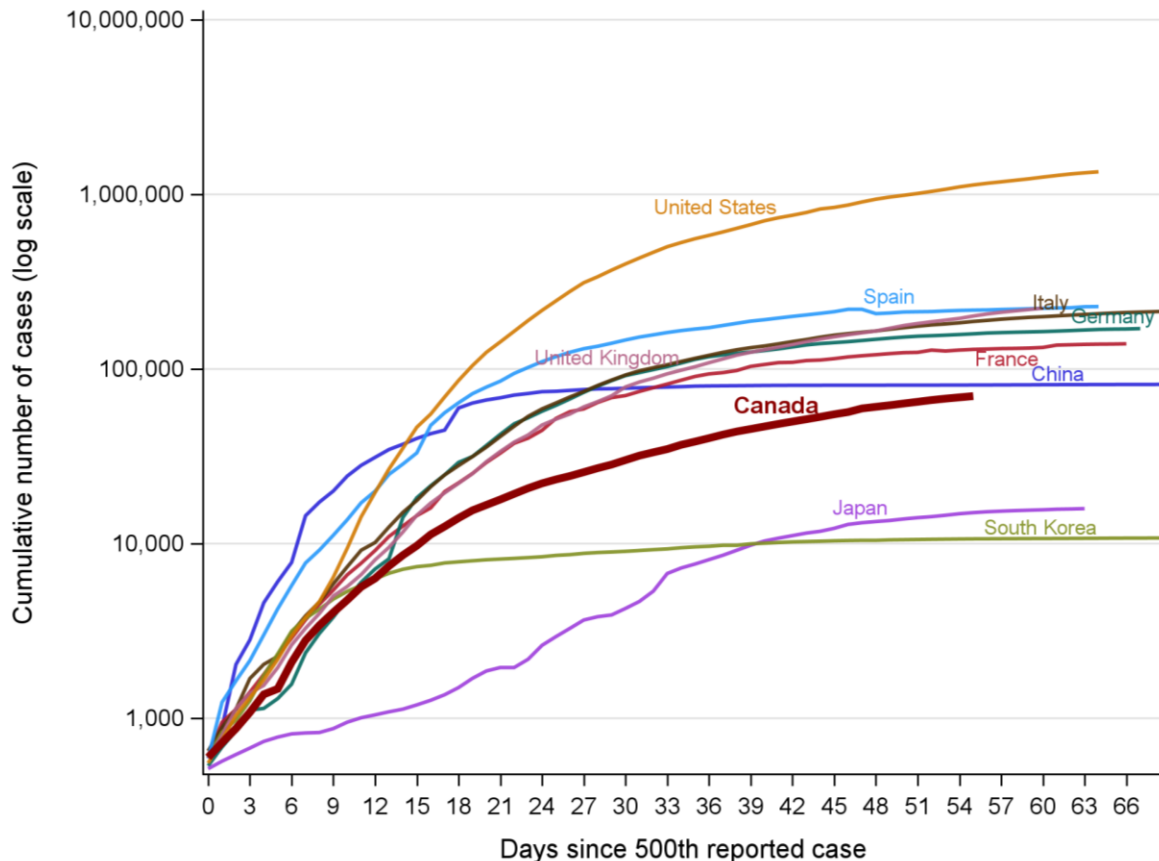
INTERNATIONAL

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.