

COVID-19 IN CANADA

CORONAVIRUS DISEASE 2019 (COVID-19)

DAILY EPIDEMIOLOGY UPDATE

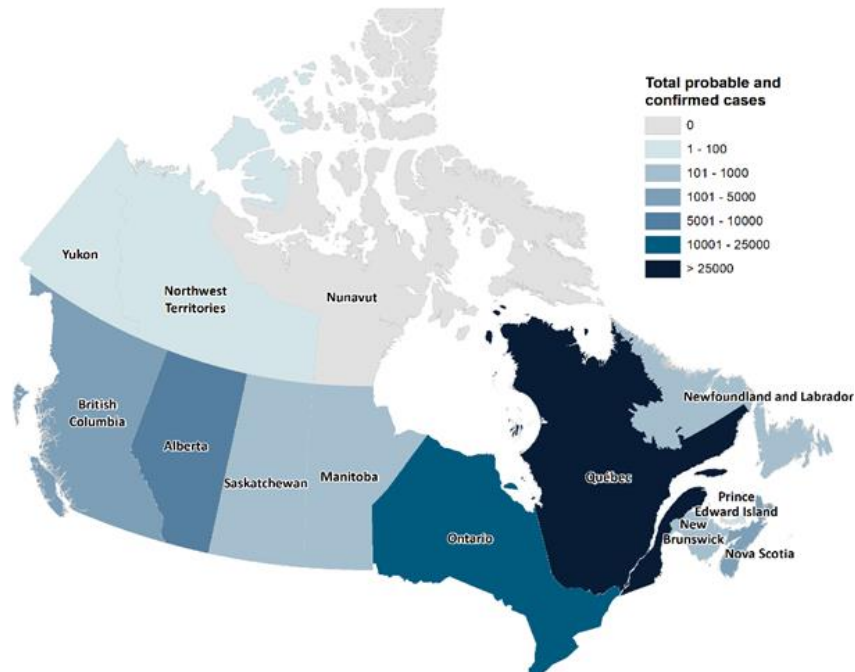
Updated: 13 May 2020, 11:00 ET



KEY UPDATES

- New cases continue to be reported across the country, however with a decreasing trend in daily reported cases observed.
- The majority of cases (85%) and deaths (94%) have been reported from Quebec and Ontario.
- No new deaths were reported in ten jurisdictions within the past 24 hours.

Figure 1. Map of COVID-19 cases reported in Canada by province/territory (n=71 473*)



Data source: P/T websites. Map from NML Geomatics
*The total n excludes 13 repatriated travelers.

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NATIONAL OVERVIEW

- For the past seven days:
 - no new cases have been reported in Prince Edward Island, Yukon, Northwest Territories, and Nunavut.
 - fewer than five cases have been reported daily in Manitoba, Newfoundland and Labrador, and New Brunswick.
- The majority of deaths (94%) were reported from Quebec (3 131) and Ontario (1 765).
 - No new deaths were reported in ten jurisdictions in the past 24 hours.

Table 1: Summary of COVID-19 cases reported in Canada by location as of 13 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	2 360	7	1 832	78%	131	1
AB	6 345	45	4 866	77%	118	1
SK	573	5	374	65%	6	0
MB	290	1	251	87%	7	0
ON	21 236	329	15 845	75%	1 765	40
QC	39 225	756	10 056	26%	3 131	118
NL	261	0	247	95%	3	0
NB	120	0	118	98%	0	0
NS	1 020	1	864	85%	48	0
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	71 486	1 144	34 496	48%	5 209	160

* 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 36 441 cases. Not all data fields are complete, only cases with data available are included. Data presented are as of 13 May at 11:00 (ET).

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DEMOGRAPHIC DISTRIBUTION

- 12 688 cases (36%) are 60 years and over.
- 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 are females.

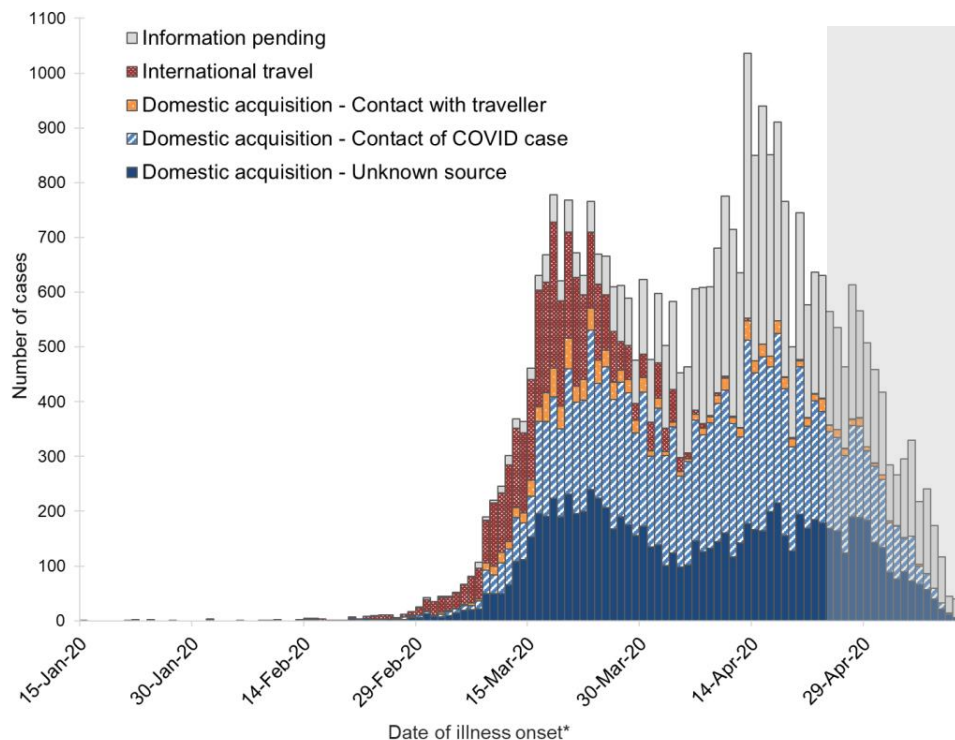
Table 2. Demographic characteristics of COVID-19 cases reported in Canada as of 13 May 2020

Age (in years)		
Median		51
Range		0-111
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 13 March, the majority of cases reported have been due to community transmission.
- 3 762 cases (10%) reported having travelled outside of Canada and 22 111 (62%) 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=34 827)



*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.

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LABORATORY TESTING

Over **1 169 456** people have been tested for COVID-19 in Canada (Table 3). This corresponds to a test rate of 31 111 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.

On May 12, 2020, there was a data entry error for the number of tests reported in the Northwest Territories, which has since been rectified and explains the negative number of tests.

Table 3: Summary of COVID-19 testing reported in Canada by location as of 13 May 10:30 ET

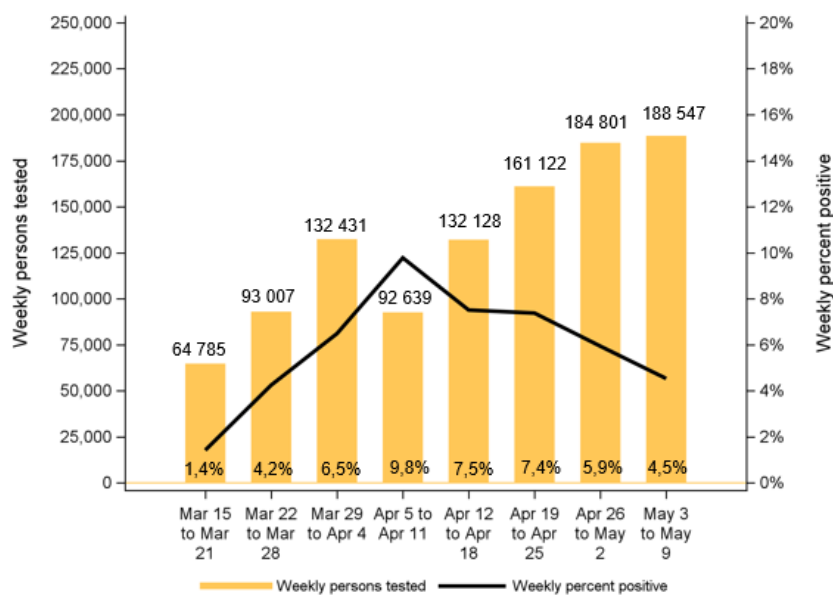
Location	Total people tested*	New tests since last report	People tested per 1 000 000 pop'n
BC	97 060	1 502	19 139
AB	178 208	2 706	40 768
SK	35 189	388	29 962
MB	31 416	617	22 940
ON	459 524	14 642	31 547
QC	296 528	5 640	34 947
NL	10 149	106	19 460
NB	17 765	426	22 869
NS	35 811	381	36 866
PE	4 199	170	26 754
YK	1 106	12	27 072
NT	1 817	-1 809	40 535
NU	608	4	15 678
Total*	1 169 456	24 785	31 111

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

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



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

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CLINICAL PRESENTATIONS AND OUTCOME

- For the **4 198** cases for which the clinical presentation was reported, **561** cases (13%) reported having been clinically or radiologically diagnosed with pneumonia.
- Among those 561 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 13 May 2020

Clinical presentation	By age group		Overall **
	≤ 19	20+	
Pre-existing conditions	n= 580	n= 7 673	n= 8 750
Cardiac	7 (1%)	1 147 (15%)	1 208 (14%)
Respiratory disease	52 (9%)	980 (13%)	1 086 (12%)
Diabetes	0 (0%)	801 (10%)	849 (10%)
Symptoms	n= 563	n= 7 631	n= 8 709
Cough	356 (63%)	5 633 (74%)	6 396 (73%)
Headache	222 (39%)	4 287 (56%)	4 825 (55%)
Weakness	183 (33%)	4 153 (54%)	4 658 (53%)
Fever	214 (38%)	3 525 (46%)	3 984 (46%)
Clinical evaluations, complications or diagnosis	n= 191	n= 3 744	n= 4 198
Pneumonia	4 (2%)	535 (14%)	561 (13%)
Dyspnea	3 (2%)	291 (8%)	314 (7%)
Abnormal lung auscultation	7 (4%)	240 (6%)	271 (6%)

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

**Cases for which there is detailed information

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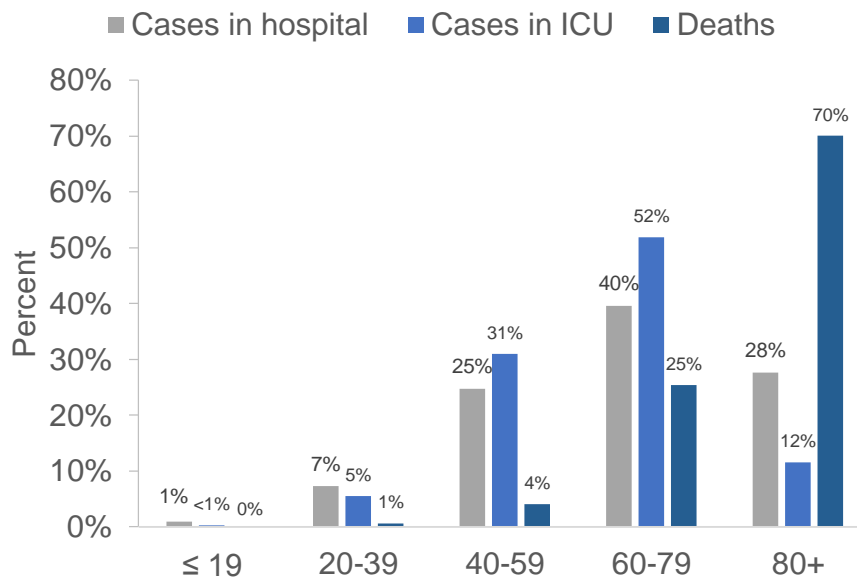
CASE SEVERITY

- 3 939 cases (17%) reported hospitalization, including 891 (23%) admitted to the ICU, and 164 (4%) 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 13 May 2020

Case Severity						
	All hospitalizations		Admitted to ICU		Deceased	
Age groups						
≤ 19	34	(1%)	2	(<1%)	0	(0%)
20-39	282	(7%)	48	(5%)	12	(1%)
40-59	960	(25%)	272	(31%)	82	(4%)
60-79	1 541	(40%)	455	(52%)	517	(25%)
80+	1 073	(28%)	101	(12%)	1 430	(70%)
Total	3 890	(100%)	878	(100%)	2 041	(100%)
Gender						
Female	1 771	(45%)	321	(36%)	1 078	(53%)
Male	2 154	(55%)	568	(64%)	943	(47%)
Other	2	(<1%)				
Total	3 927	(100%)	889	(100%)	2 021	(100%)

Figure 4. Proportion of COVID-19 cases hospitalized, admitted to ICU and have died in Canada, by age group, as of 13 May 2020



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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 May 3, 2020, 10,795 participants reported into the FluWatchers program. A total of 28 participants (0.2%) reported cough and fever.

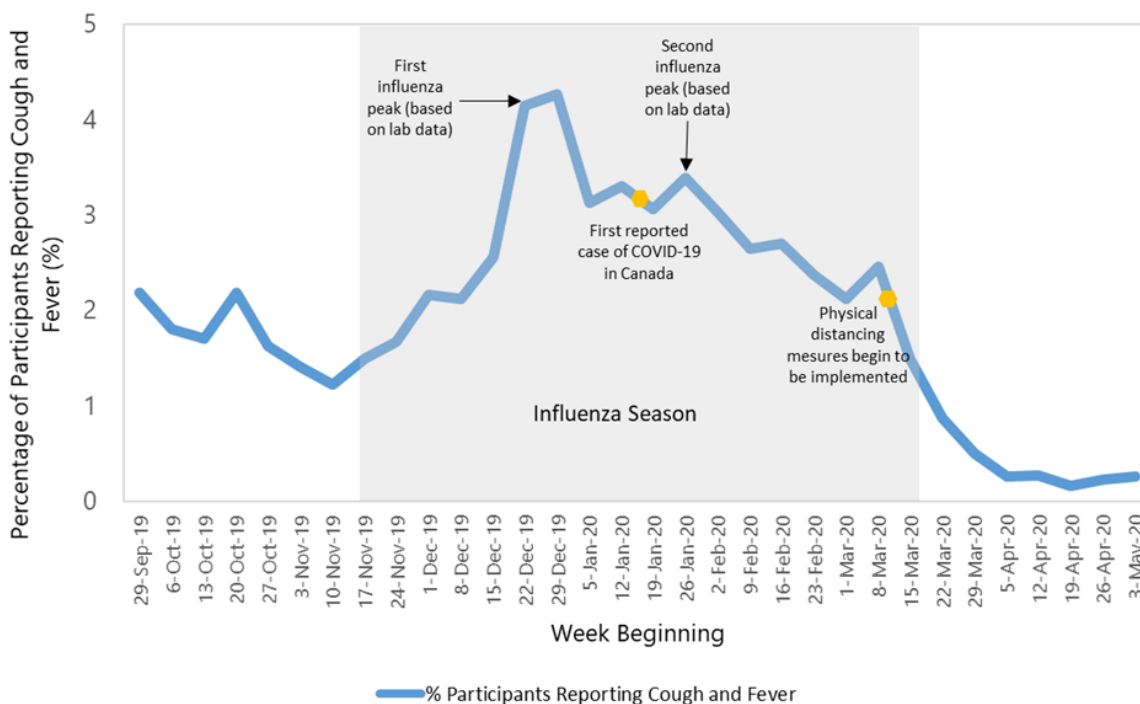
Among the 28 participants reporting cough and fever:

- 11 (40%) sought medical attention
- 7 (25%) were tested
 - 3 tests were positive for COVID-19, 3 tests were negative and one did not have a result at the time of reporting

Additionally, 232 participants (2%) reported having a cough and at least one other symptom* in the week of May 3, 2020. Twenty-one of these participants reported being tested and one test was positive for COVID-19 (18 tests were negative and 2 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 8. Percentage of FluWatchers Participants Reporting Cough and Fever (N=10 795 the week of May 3, 2020)



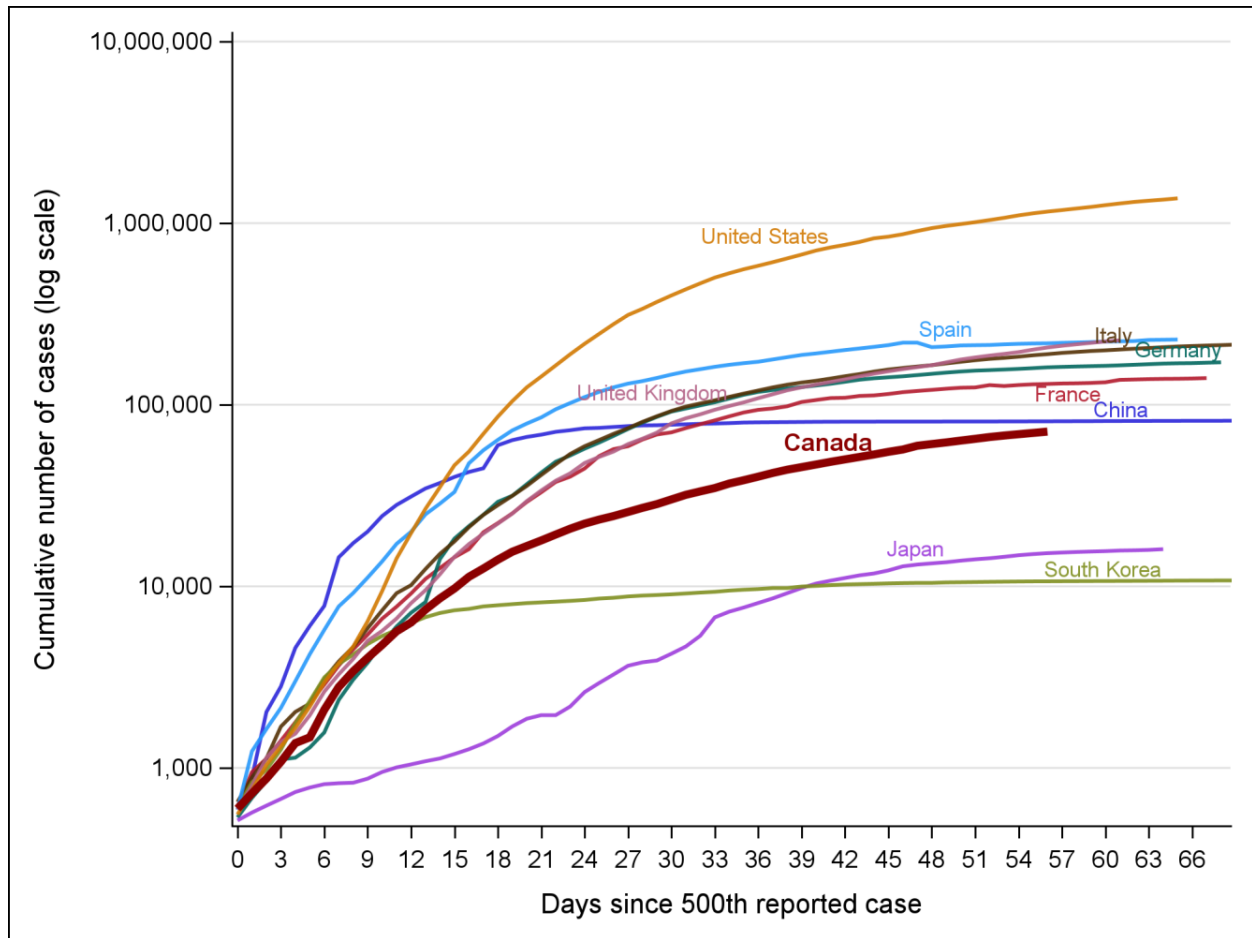
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INTERNATIONAL

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.