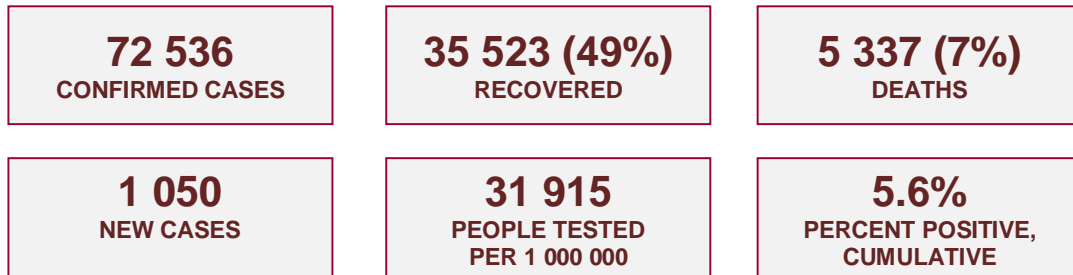


COVID-19 IN CANADA

CORONAVIRUS DISEASE 2019 (COVID-19)

DAILY EPIDEMIOLOGY UPDATE

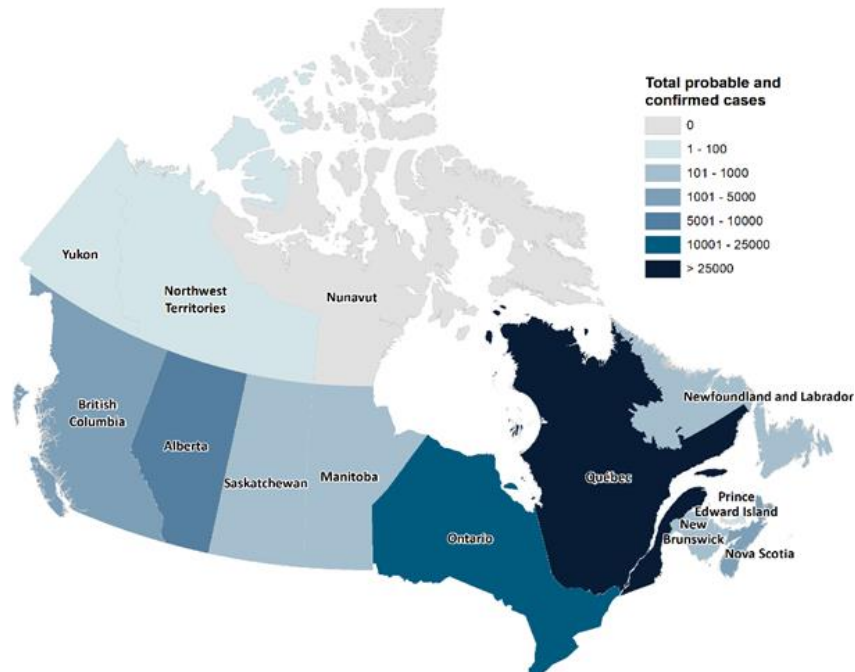
Updated: 14 May 2020, 11:00 ET



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 eight jurisdictions within the past 24 hours.

Figure 1. Map of COVID-19 cases reported in Canada by province/territory (n=72 523*)



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

COVID-19 IN CANADA

NATIONAL OVERVIEW

- For the past seven days:
 - No new cases have been reported in Prince Edward Island, Yukon, Northwest Territories, and Nunavut.
- In the past 24 hours:
 - Fewer than five cases have been reported in Manitoba, Newfoundland and Labrador, and New Brunswick.
 - No new deaths were reported in eight jurisdictions.
- The majority of deaths (94%) were reported from Quebec (3 220) and Ontario (1 798).

Table 1: Summary of COVID-19 cases reported in Canada by location as of 14 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	2 376	16	1 859	78%	132	1
AB	6 407	62	5 076	79%	120	2
SK	577	4	385	67%	6	0
MB	290	0	251	87%	7	0
ON	21 494	258	16 204	75%	1 798	33
QC	39 931	706	10 470	26%	3 220	89
NL	261	0	247	95%	3	0
NB	120	0	118	98%	0	0
NS	1 024	4	870	85%	51	3
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	72 536	1 050	35 523	49%	5 337	128

* 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 36 706 cases. Not all data fields are complete, only cases with data available are included. Data presented are as of 14 May at 11:00 (ET).

COVID-19 IN CANADA

DEMOGRAPHIC DISTRIBUTION

- 12 916 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.

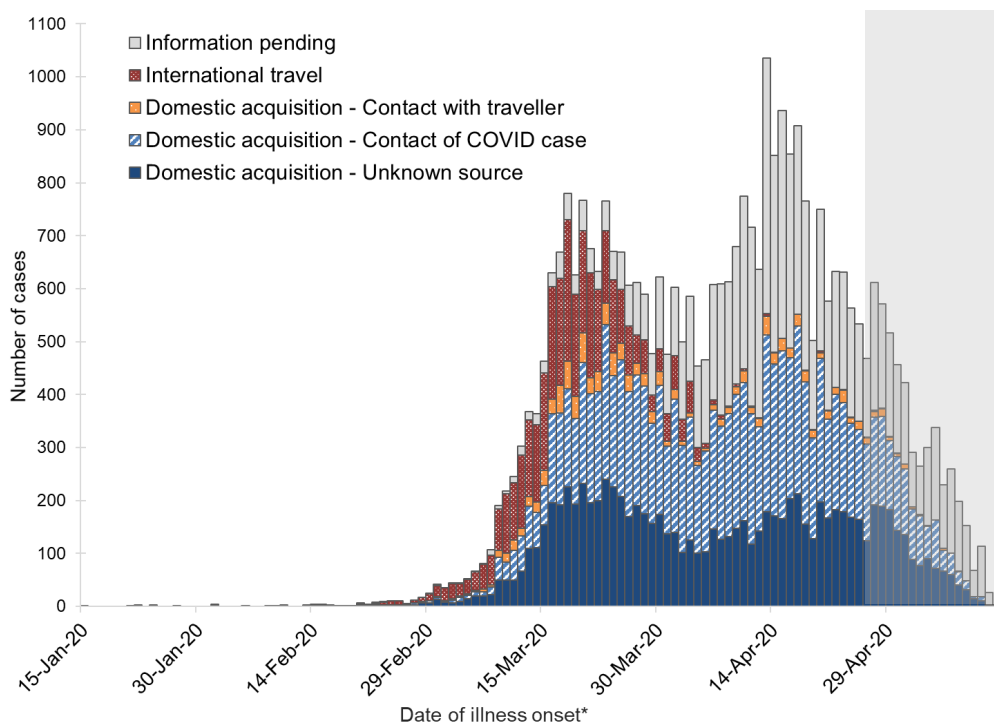
Table 2. Demographic characteristics of COVID-19 cases reported in Canada as of 14 May 2020

Age (in years)		
Median		51
Range		0-111
Age groups		
		n= 36 165
	≤ 19	1 954 (5%)
	20-39	9 588 (26%)
	40-59	11 707 (32%)
	60-79	7 173 (20%)
	80+	5 743 (16%)
Gender		
		n= 36 465
	Female	20 069 (55%)
	Male	16 380 (45%)
	Other	16 (<1%)

TEMPORAL DISTRIBUTION BY EXPOSURE CATEGORY

- Since 15 March 2020, the majority of cases reported have been due to community transmission.
- 3 646 cases (10%) reported having travelled outside of Canada and 21 506 (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=35 100)



*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 **1 199 667** people have been tested for COVID-19 in Canada (Table 3). This corresponds to a test rate of 31 915 per million population. Since early March, the percent positive is **5.6%**, 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 14 May 10:30 ET

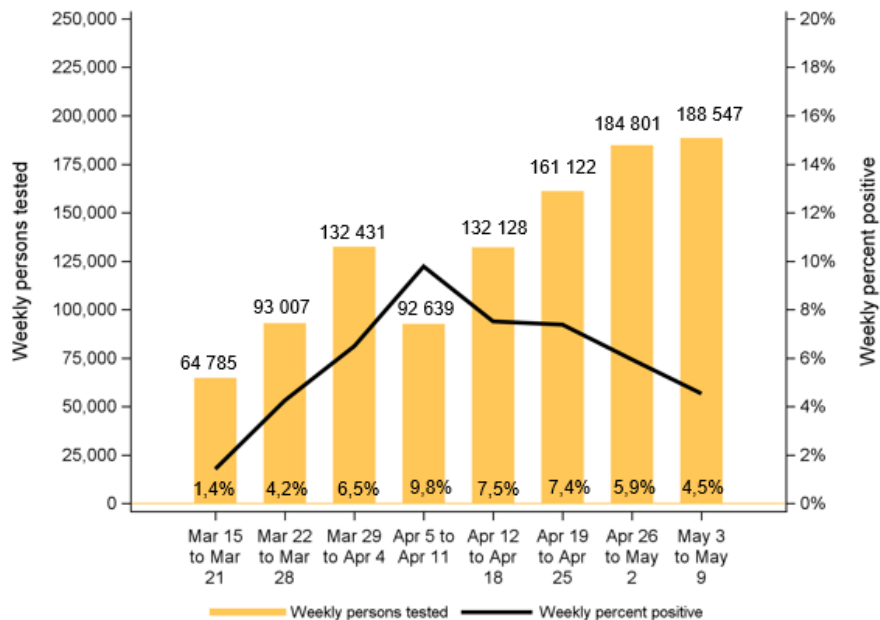
Location	Total people tested*	New tests since last report	People tested per 1 000 000 pop'n
BC	98 747	1 687	19 472
AB	181 624	3 416	41 549
SK	35 664	475	30 366
MB	31 742	326	23 178
ON	476 383	16 859	32 704
QC	302 929	6 401	35 702
NL	10 275	126	19 701
NB	18 172	407	23 393
NS	36 192	381	37 258
PE	4 306	107	27 436
YK	1 112	6	27 219
NT	1 828	11	40 780
NU	617	9	15 910
Total*	1 199 667	30 211	31 915

‡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

COVID-19 IN CANADA

CLINICAL PRESENTATIONS AND OUTCOME

- Of 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.
- Those aged ≥ 60 years experienced higher proportions of pre-existing conditions and clinical complications.

Table 4. Clinical presentation* summary of COVID-19 cases reported in Canada as of 14 May 2020

Clinical presentation	By age group		Overall **
	0-59	≥60	
Pre-existing conditions	n= 5 716	n= 2 542	n= 8 750
Cardiac	287 (5%)	867 (34%)	1 208 (14%)
Respiratory disease	566 (10%)	466 (18%)	1 086 (12%)
Diabetes	288 (5%)	513 (20%)	849 (10%)
Symptoms	n= 5 932	n= 2 532	n= 8 707
Cough	4 242 (72%)	1 747 (69%)	6 396 (73%)
Headache	3 587 (60%)	920 (36%)	4 823 (55%)
Weakness	3 080 (52%)	1 256 (50%)	4 658 (53%)
Fever	2 551 (43%)	1 187 (47%)	3 983 (46%)
Clinical evaluations, complications or diagnosis	n= 2 640	n= 1 295	n= 4 198
Pneumonia	221 (8%)	318 (25%)	561 (13%)
Dyspnea	96 (4%)	198 (15%)	314 (7%)
Abnormal lung auscultation	103 (4%)	144 (11%)	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

COVID-19 IN CANADA

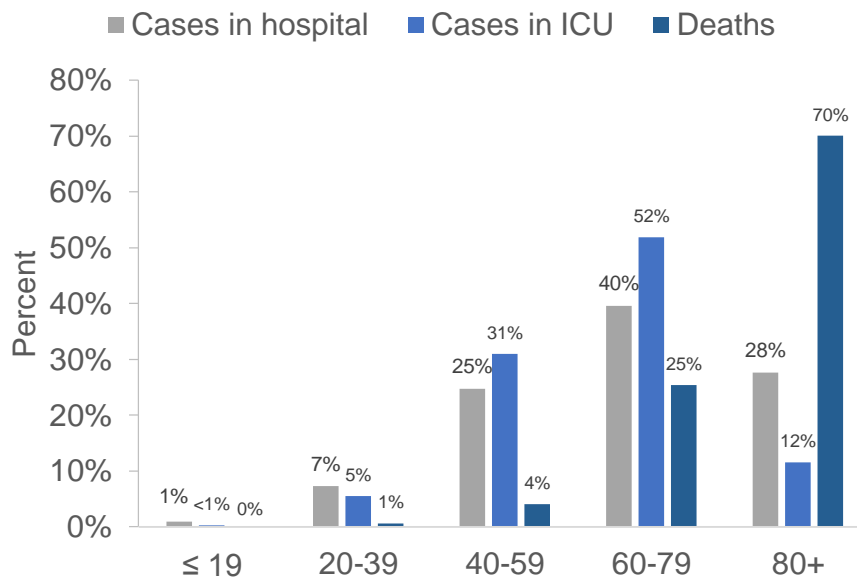
CASE SEVERITY

- **3 975** cases (17%) reported hospitalization, including **898** (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 14 May 2020

Case Severity						
	All hospitalizations		Admitted to ICU		Deceased	
Age groups						
≤ 19	33	(1%)	2	(0%)	0	(0%)
20-39	284	(7%)	48	(5%)	12	(1%)
40-59	965	(25%)	276	(31%)	83	(4%)
60-79	1 556	(40%)	458	(52%)	525	(25%)
80+	1 088	(28%)	101	(11%)	1 455	(70%)
Total	3 926	(100%)	885	(100%)	2 075	(100%)
Gender						
Female	1 784	(45%)	321	(36%)	1 099	(53%)
Male	2 177	(55%)	575	(64%)	956	(47%)
Other	2	(<1%)				
Total	3 963	(100%)	896	(100%)	2 055	(100%)

Figure 4. Proportion of COVID-19 cases hospitalized, admitted to ICU and have died in Canada, by age group, as of 14 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 May 3, 2020, 10,795 participants reported into the FluWatchers program. A total of 28 participants (0.2%) reported cough and fever.

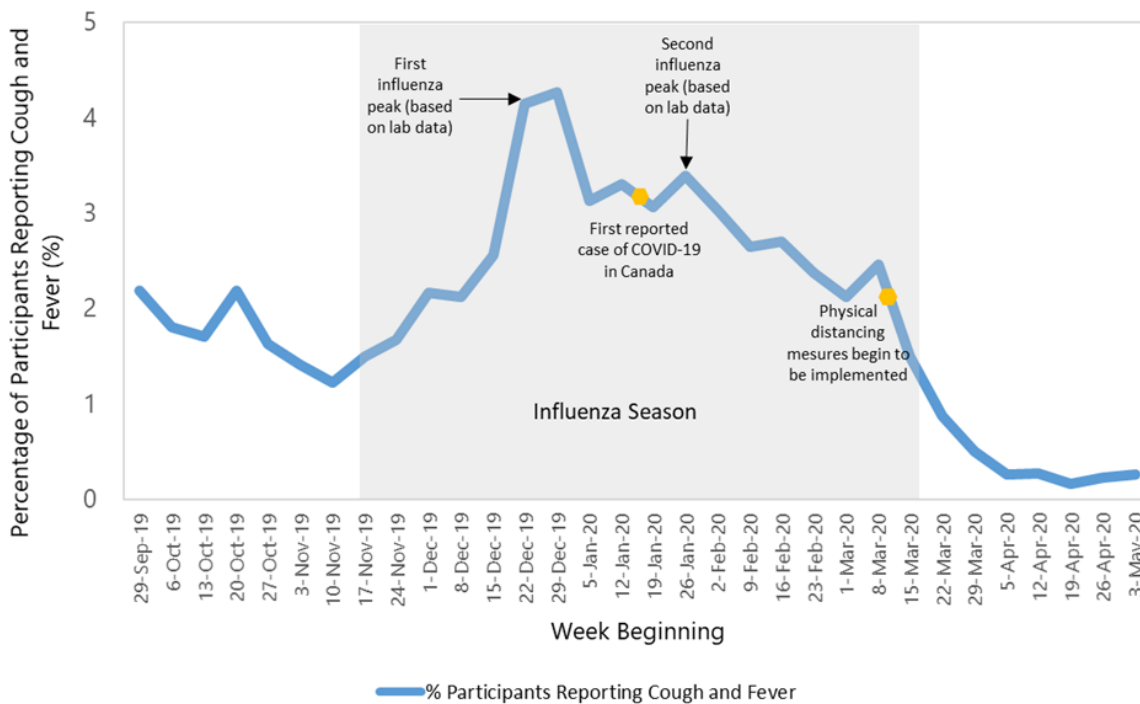
Among the 28 participants reporting cough and fever:

- 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)



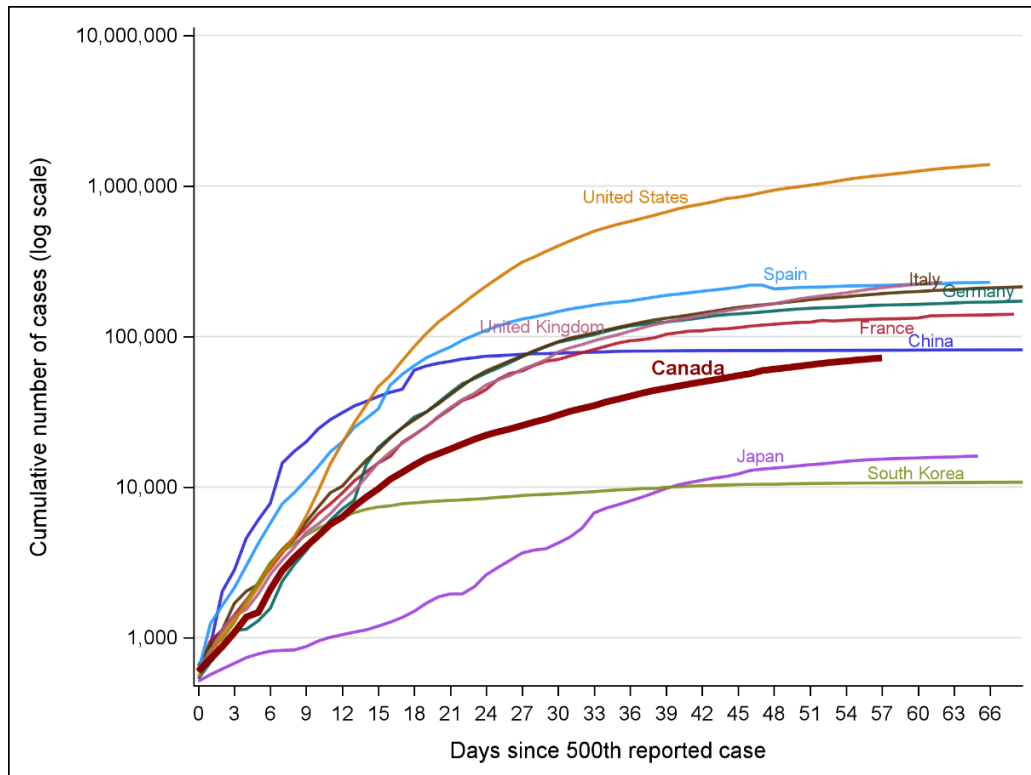
COVID-19 IN CANADA

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.