

# COVID-19 IN CANADA

## CORONAVIRUS DISEASE 2019 (COVID-19) **DAILY EPIDEMIOLOGY UPDATE**

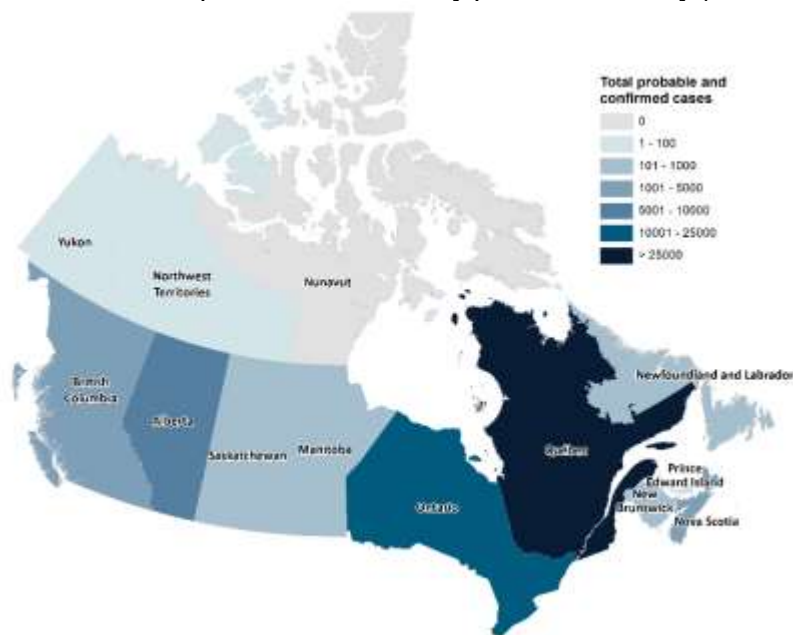
Updated: 20 May 2020, 11:00 ET

<b>79 502</b> CONFIRMED CASES	<b>40 342 (51%)</b> RECOVERED	<b>5 955 (7.5%)</b> DEATHS
<b>1 003</b> NEW CASES	<b>36 525</b> PEOPLE TESTED PER 1 000 000	<b>5.4%</b> PERCENT POSITIVE (CUMULATIVE)

### 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%) continue to be reported from Quebec and Ontario.
- No new cases have been reported in six jurisdictions within the past seven days.
- No new deaths have been reported in nine jurisdictions within the past 24 hours.

**Figure 1.** Map of COVID-19 cases reported in Canada by province/territory (n=79 489\*)



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 Newfoundland, New Brunswick, Prince Edward Island, Yukon, Northwest Territories, and Nunavut.
- In the past 24 hours:
  - Fewer than five cases have been reported in British Columbia and Nova Scotia, and no new cases were reported in Manitoba.
  - No new deaths were reported in nine jurisdictions.
- The majority of deaths (94%) were reported from Quebec (3 647) and Ontario (1 962).

**Table 1:** Summary of COVID-19 cases reported in Canada by location as of 20 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	2 446	2	1 975	81%	146	3
AB	6 716	33	5 584	83%	128	0
SK	599	7	470	78%	6	0
MB	290	0	257	89%	7	0
ON	23 774	390	18 190	77%	1 962	43
QC	44 197	570	12 497	28%	3 647	51
NL	260	0	250	96%	3	0
NB	120	0	120	100%	0	0
NS	1 044	1	956	92%	56	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	0	0%	0	0
<b>Total</b>	<b>79 502</b>	<b>1 003</b>	<b>40 342</b>	<b>51%</b>	<b>5 955</b>	<b>98</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 39 576 cases. Not all data fields are complete, only cases with data available are included. Data presented are as of 20 May at 11:00 (ET).

# COVID-19 IN CANADA

## DEMOGRAPHIC DISTRIBUTION

- Thirty-six percent (36%) of cases 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 (27%); 6% of cases were ≤ 19 years of age.
- Fifty-five percent (55%) of cases are females.

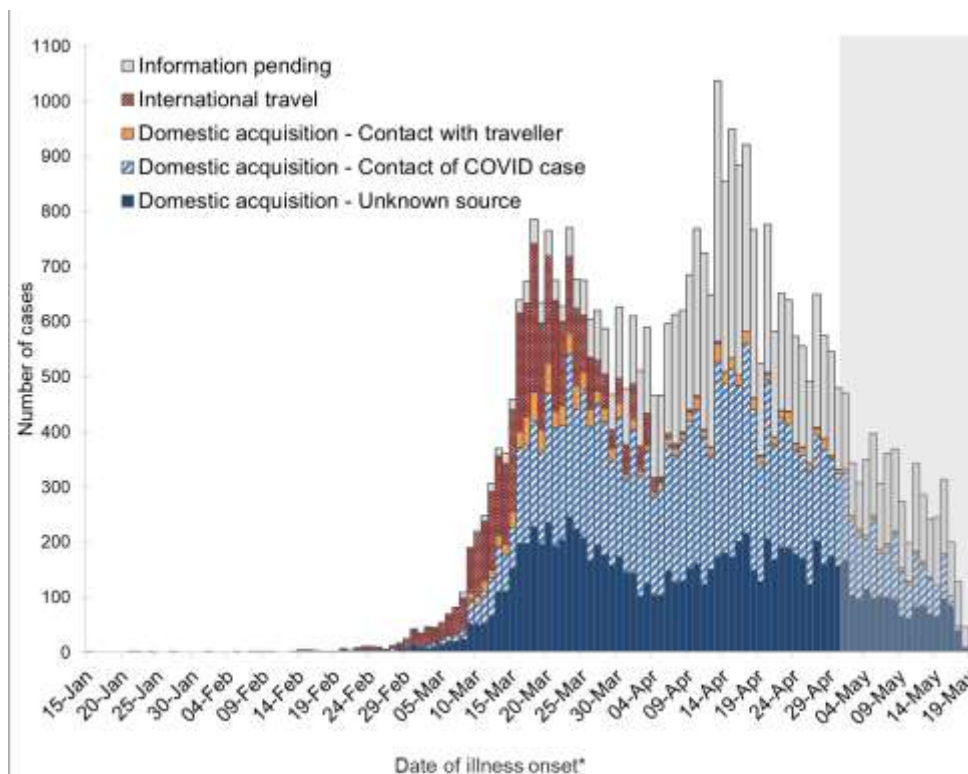
**Table 2.** Demographic characteristics of COVID-19 cases reported in Canada as of 20 May 2020

Age (in years)		
	Median	51
	Range	0-111
Age groups		n=39 038
	≤ 19	2 149 (6%)
	20-39	10 503 (27%)
	40-59	12 618 (32%)
	60-79	7 644 (20%)
	80+	6 124 (16%)
Gender		n=39 325
	Female	21 572 (55%)
	Male	17 737 (45%)
	Other	16 (0%)

## TEMPORAL DISTRIBUTION BY EXPOSURE CATEGORY

- 3 787 cases (10%) reported having travelled outside of Canada, 24 848 (64%) cases are due to domestic acquisition, and 10 433 (27%) have information pending.

**Figure 2.** Number of newly reported COVID-19 cases in Canada, by date of illness onset and exposure category (n=38 031)



\*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 **1 372 929** people have been tested for COVID-19 in Canada (Table 3). This corresponds to a test rate of **36 525** per million population. The percent positive is **5.4%**, 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 20 May 10:30 ET

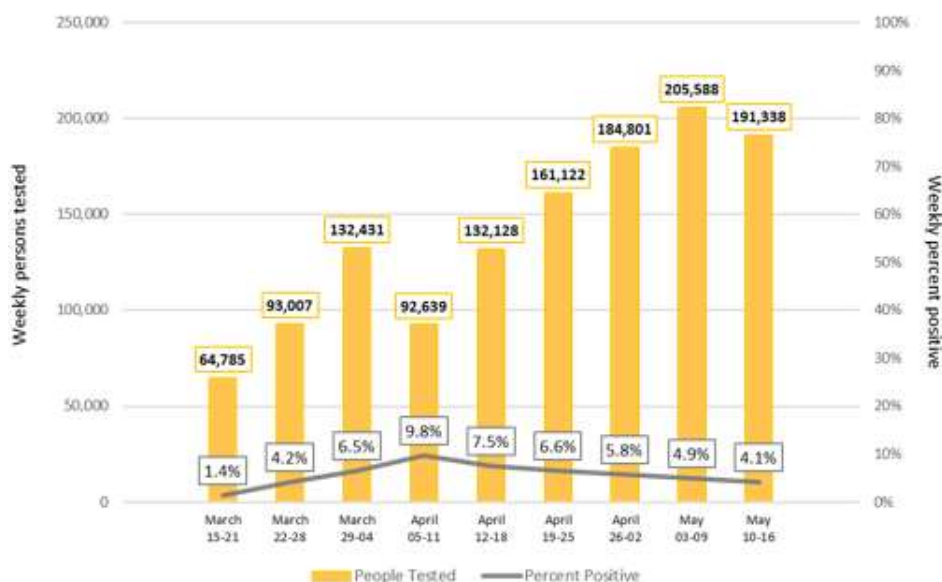
Location	Total people tested*	New tests since last report	People tested per 1 000 000 pop'n
BC	107 152	1 200	21 129
AB	201 283	2 046	46 046
SK	38 332	268	32 638
MB	35 133	241	25 655
ON	567 176	25 687	38 937
QC	346 684	5 582	40 859
NL	10 841	97	20 786
NB	19 745	292	25 417
NS	37 932	338	39 049
PE	4 951	190	31 546
YK	1 134	10	27 757
NT	1 890	0	42 163
NU	676	11	17 432
<b>Total*</b>	<b>1 372 929</b>	<b>35 962</b>	<b>36 525</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 week of May 10 to 16 2020, 191 338 persons were tested and the daily average percent positive over that same period was 4.1% (Figure 3).

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



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

# COVID-19 IN CANADA

## CLINICAL PRESENTATIONS AND OUTCOME

- Of the **4 205** cases for which the clinical presentation was reported, **562** cases (13%) reported having been clinically or radiologically diagnosed with pneumonia.
- Among those 562 cases, 57% were aged  $\geq 60$  years, and 41% were aged 60-79 years.
- Those aged  $\geq 60$  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 20 May 2020

Clinical presentation	By Age group		Overall
	0-59	$\geq 60$	
<b>Pre-Existing Conditions</b>	<b>n=5 714</b>	<b>n=2 542</b>	<b>n=8 748</b>
Cardiac	288 (5%)	867 (34%)	1 209 (14%)
Respiratory disease	565 (10%)	466 (18%)	1 085 (12%)
Diabetes	287 (5%)	514 (20%)	849 (10%)
<b>Symptoms</b>	<b>n=5 932</b>	<b>n=2 535</b>	<b>n=8 710</b>
Cough	4 242 (72%)	1 750 (69%)	6 399 (73%)
Headache	3 587 (60%)	922 (36%)	4 825 (55%)
Weakness	3 080 (52%)	1 258 (50%)	4 660 (54%)
Fever	2 552 (43%)	1 190 (47%)	3 987 (46%)
<b>Clinical evaluations, complications or diagnosis</b>	<b>n=2 643</b>	<b>n=1 299</b>	<b>n=4 205</b>
Pneumonia	222 (8%)	318 (24%)	562 (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

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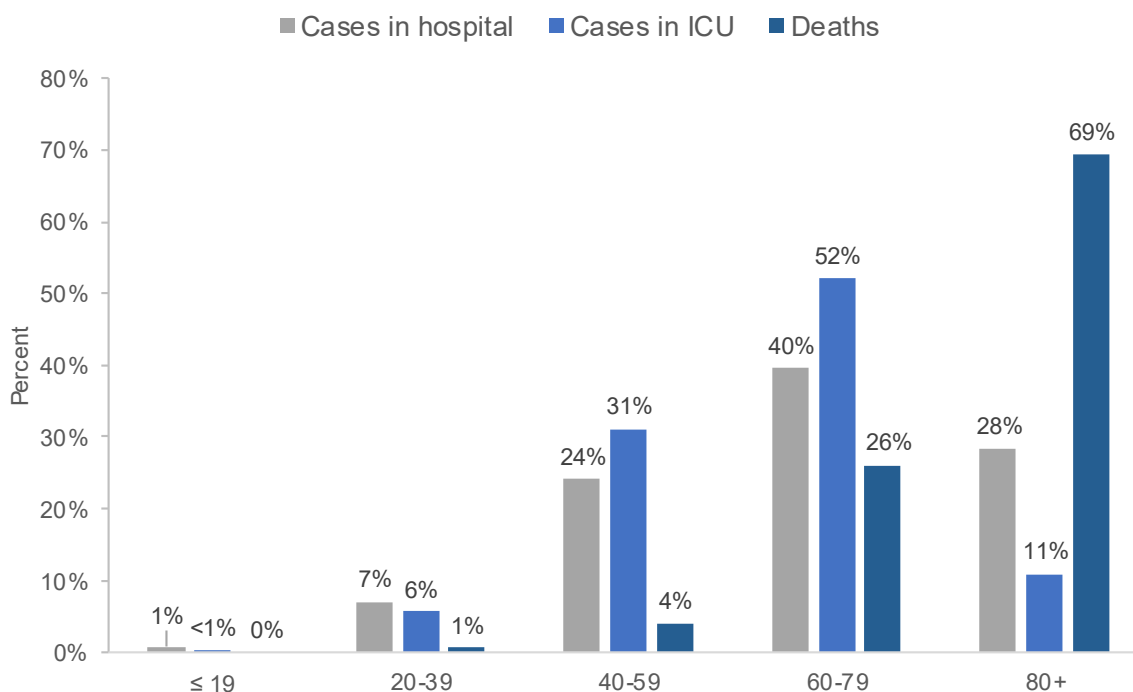
## CASE SEVERITY

- **4 319** cases (**17%**) reported hospitalization, including **954** (**22%**) admitted to the ICU, and **168** (**4%**) of hospitalizations requiring mechanical ventilation.
- Seventy-four percent (74%) of cases reported one or more pre-existing conditions.
- Individuals ages  $\geq 60$  years comprise:
  - 68% of hospital admissions
  - 63% of ICU admissions
  - 95% of deaths

**Table 5.** Clinical presentation summary of COVID-19 cases reported in Canada as of 20 May 2020

Case Severity							
		All Hospitalizations		Admitted to ICU		Deceased	
Age groups							
≤ 19		34	(1%)	2	(<1%)	0	(0%)
20-39		302	(7%)	54	(6%)	13	(1%)
40-59		1 027	(24%)	288	(31%)	89	(4%)
60-79		1 691	(40%)	493	(52%)	592	(26%)
80+		1 216	(28%)	104	(11%)	1 555	(69%)
Total		4 270	(100%)	941	(100%)	2 249	(100%)
Gender							
Female		1 960	(46%)	339	(36%)	1 170	(53%)
Male		2 345	(54%)	613	(64%)	1 057	(47%)
Other		2	(<1%)				
Total		4 307	(100%)	952	(100%)	2 227	(100%)

**Figure 4.** Proportion of COVID-19 cases hospitalized, admitted to ICU and deaths in Canada, by age group, as of 20 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 10, 2020, 10,953 participants reported into the FluWatchers program. A total of 22 participants (0.2%) reported cough and fever.

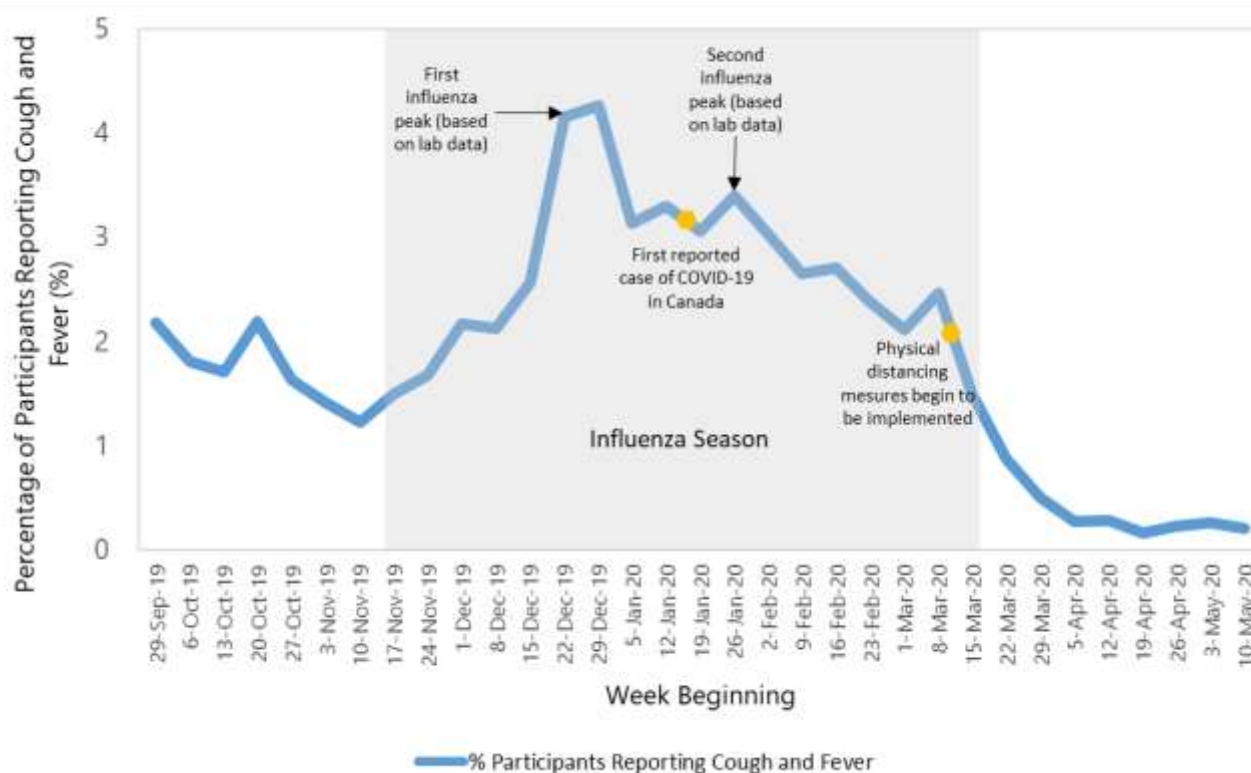
Among the 22 participants reporting cough and fever:

- 13 (59%) sought medical attention
- 8 (36%) were tested
  - 6 tests were negative and two did not have a result at the time of reporting

Additionally, 226 participants (2%) reported having a cough and at least one other symptom\* in the week of May 10, 2020. Seventeen of these participants reported being tested (13 tests were negative and 4 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 5:** Percentage of FluWatchers Participants Reporting Cough and Fever (N=10 953 the week of May 10, 2020)





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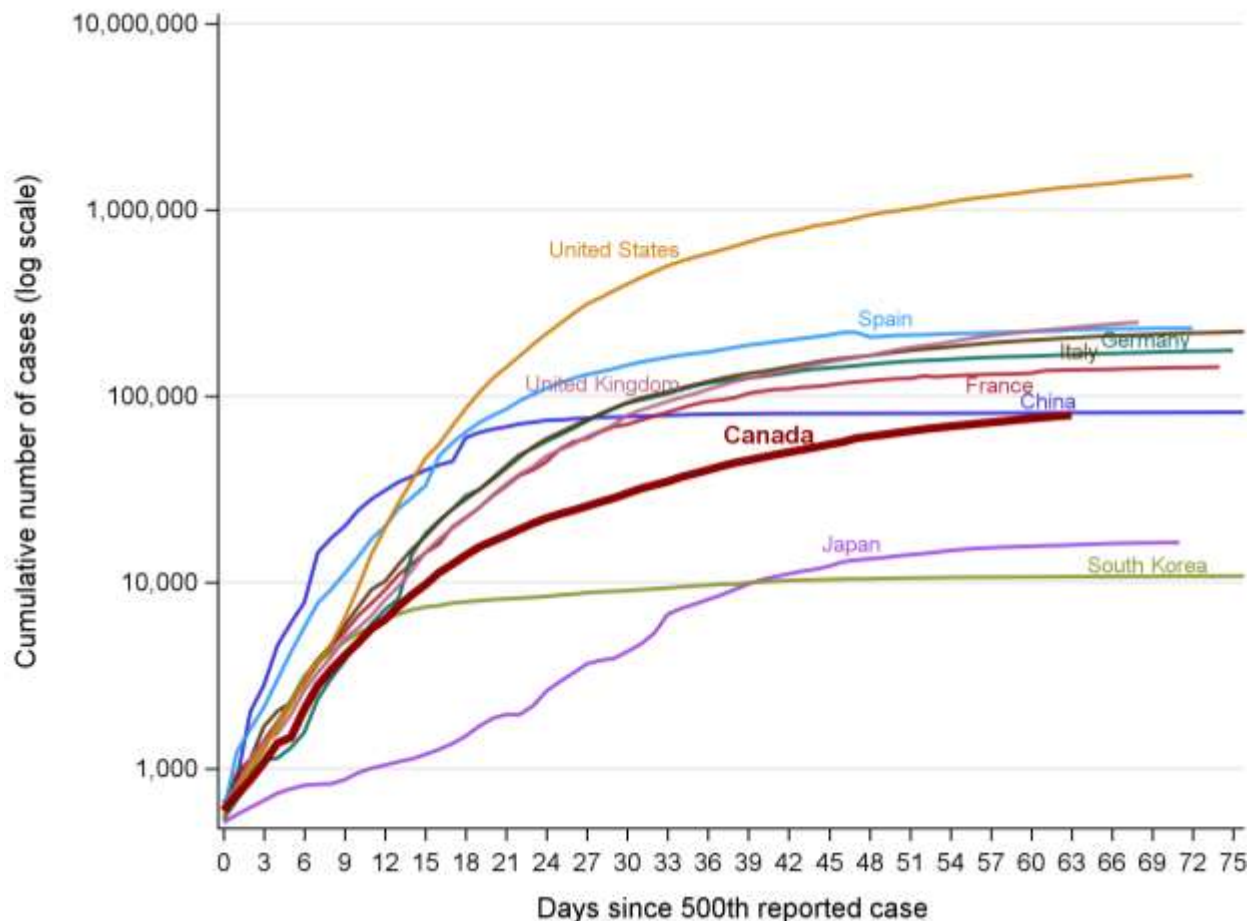
## INTERNATIONAL

A summary of the cumulative cases of COVID-19 in Canada compared to other countries by date of report can be seen in **Figure 6**.

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

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

**Figure 6.** 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.