

COVID-19 IN CANADA

CORONAVIRUS DISEASE 2019 (COVID-19) DAILY EPIDEMIOLOGY UPDATE

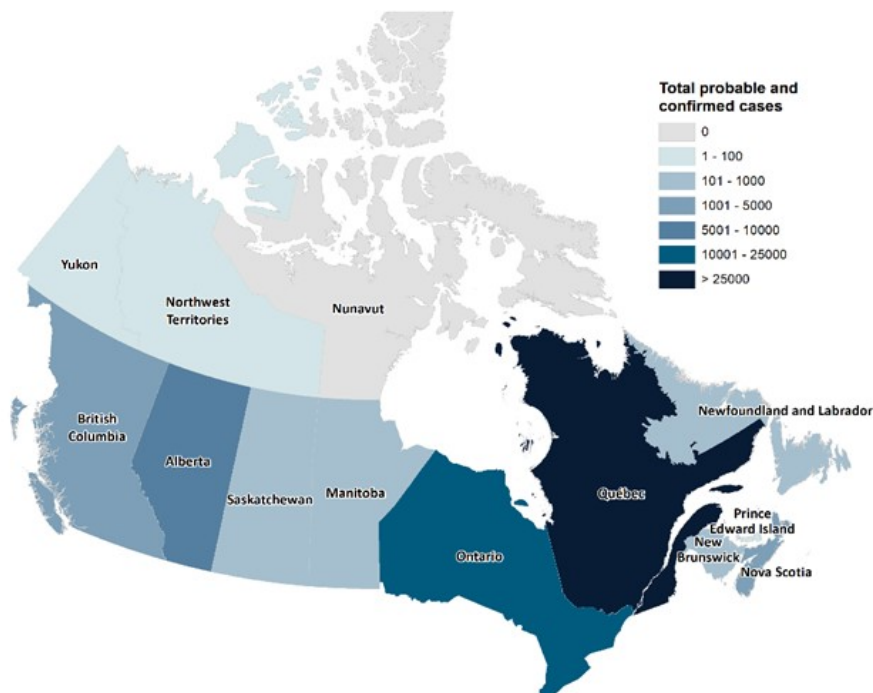
Updated: 15 May 2020, 11:00 ET

73 829 CONFIRMED CASES	36 528 (49%) RECOVERED	5 499 (7%) DEATHS
1 293 NEW CASES	33 321 PEOPLE TESTED PER 1 000 000	5.6% 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%) have been reported from Quebec and Ontario.
- No new cases have been reported in six jurisdictions within the past seven days.
- No new deaths were reported in nine jurisdictions within the past 24 hours.

Figure 1. Map of COVID-19 cases reported in Canada by province/territory (n=73 816*)



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 Newfoundland, New Brunswick, Prince Edward Island, Yukon, Northwest Territories, and Nunavut.
- In the past 24 hours:
 - Fewer than five cases have been reported in Nova Scotia.
 - No new deaths were reported in nine jurisdictions.
- The majority of deaths (94%) were reported from Quebec (3 351) and Ontario (1 825).

Table 1: Summary of COVID-19 cases reported in Canada by location as of 15 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	2 392	16	1 885	79%	135	3
AB	6 457	50	5 205	81%	121	1
SK	582	5	398	68%	6	0
MB	289	-1 ^t	252	87%	7	0
ON	21 922	428*	16 641	76%	1 825	27
QC	40 724	793	10 829	27%	3 351	131
NL	261	0	248	95%	3	0
NB	120	0	118	98%	0	0
NS	1 026	2	909	89%	51	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	73 829	1 293	36 528	49%	5 499	162

^t On May 14, 2020, Manitoba reported that one of their probable cases had been ruled as negative.

*On May 14, 2020, 87 cases were not accounted for in Ontario's daily case count and have been included in today's number.

** 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 37 550 cases. Not all data fields are complete, only cases with data available are included. Data presented are as of 15 May at 11:00 (ET).

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DEMOGRAPHIC DISTRIBUTION

- 13 114 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 (27%); 6% of cases were ≤ 19 years of age.
- 55% of cases are females.

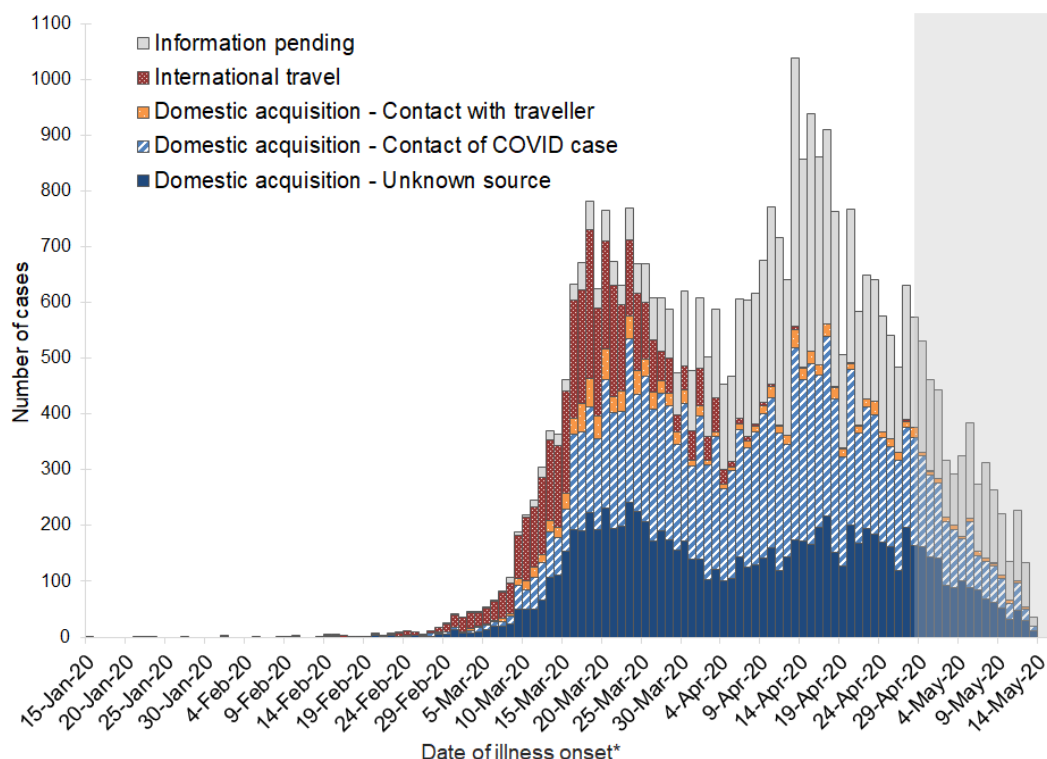
Table 2. Demographic characteristics of COVID-19 cases reported in Canada as of 15 May 2020

Age (in years)			
Median		51	
Range		0-111	
Age groups		n=37 008	
≤ 19		2 036	(6%)
20-39		9 863	(27%)
40-59		11 995	(32%)
60-79		7 281	(20%)
80+		5 833	(16%)
Gender		n=37 306	
Female		20 510	(55%)
Male		16 781	(45%)
Other		15	(0%)

TEMPORAL DISTRIBUTION BY EXPOSURE CATEGORY

- Since 15 March 2020, the majority of cases reported have been due to community transmission.
- 3 771 cases (10%) reported having travelled outside of Canada and 23 057 (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=35 956)



*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 **1 232 988** people have been tested for COVID-19 in Canada (Table 3). This corresponds to a test rate of 33 321 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 15 May 10:30 ET

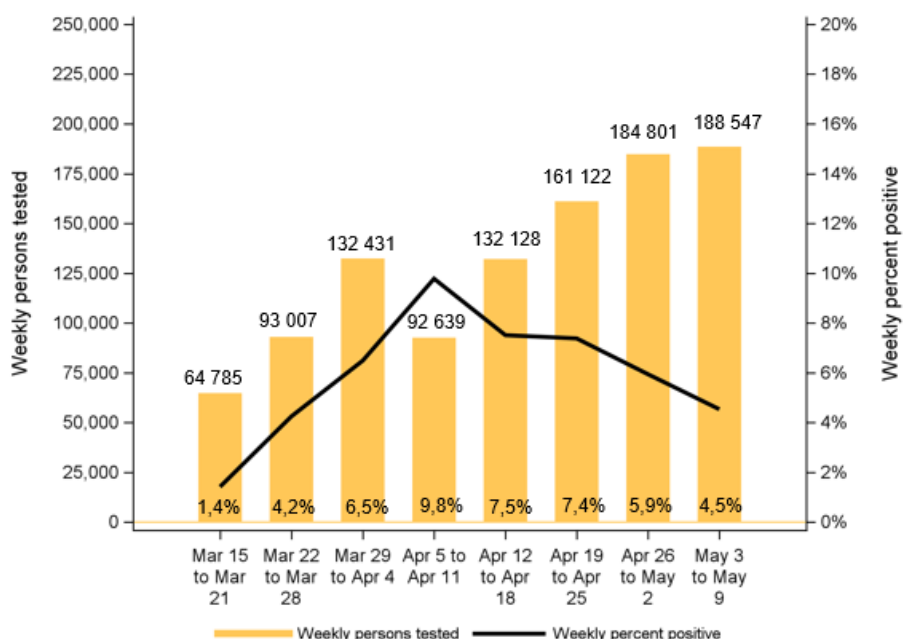
Location	Total people tested*	New tests since last report	People tested per 1 000 000 pop'n
BC	100 289	1 542	19 776
AB	185 545	3 921	42 446
SK	36 086	422	30 726
MB	32 492	750	23 726
ON	494 136	17 753	33 923
QC	310 868	7 939	36 638
NL	10 343	68	19 832
NB	18 509	337	23 826
NS	36 587	395	37 664
PE	4 469	163	28 475
YK	1 119	7	27 390
NT	1 841	13	41 070
NU	628	11	16 194
Total*	1 232 988	33 321	32 802

‡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

- 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 15 May 2020

Clinical presentation	By age group		Overall **
	0-59	≥ 60	
Pre-existing conditions	n= 5 712	n= 2 541	n= 8 745
Cardiac	287 (5%)	867 (34%)	1 208 (14%)
Respiratory disease	565 (10%)	466 (18%)	1 086 (12%)
Diabetes	288 (5%)	513 (20%)	849 (10%)
Symptoms	n= 5 927	n= 2 530	n= 8 700
Cough	4237 (71%)	1 746 (69%)	6 396 (73%)
Headache	3586 (61%)	920 (36%)	4 822 (55%)
Weakness	3078 (52%)	1 256 (50%)	4 656 (54%)
Fever	2551 (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

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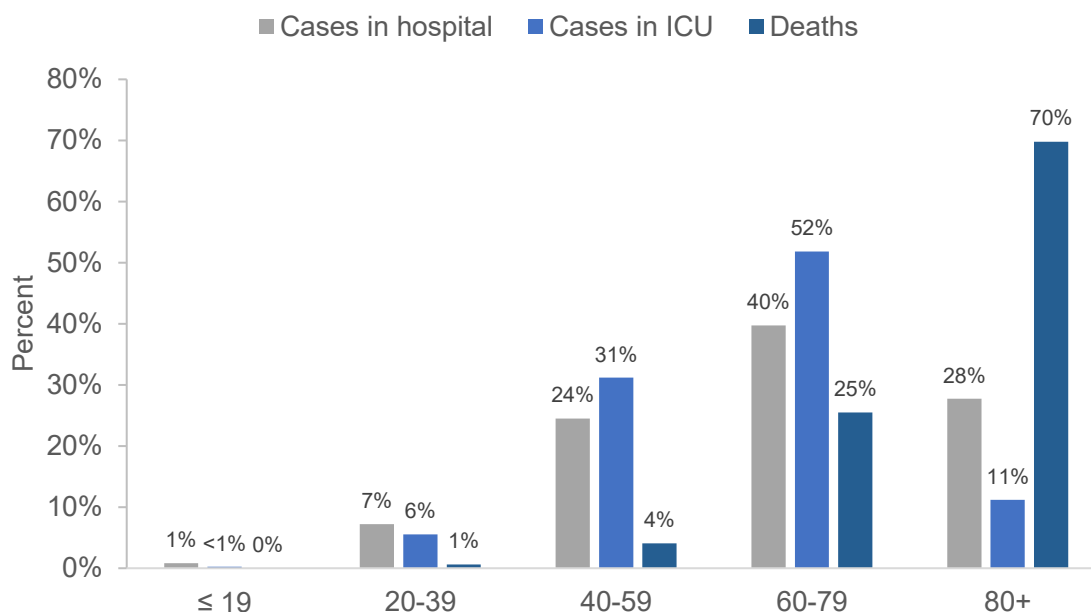
CASE SEVERITY

- **4 043** cases (**17%**) reported hospitalization, including **914** (**23%**) 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 ≥ 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 15 May 2020

Case Severity						
	All Hospitalizations		Admitted to ICU		Deceased	
Age groups						
≤ 19	33	(1%)	2	(0%)	0	(0%)
20-39	288	(7%)	50	(6%)	13	(1%)
40-59	978	(24%)	281	(31%)	86	(4%)
60-79	1 587	(40%)	467	(52%)	538	(25%)
80+	1 108	(28%)	101	(11%)	1 473	(70%)
Total	3 994	(100%)	901	(100%)	2 110	(100%)
Gender						
Female	1 819	(45%)	325	(36%)	1 111	(53%)
Male	2 210	(55%)	587	(64%)	977	(47%)
Other	2	(<1%)				
Total	4 031	(100%)	912	(100%)	2 088	(100%)

Figure 4. Proportion of COVID-19 cases hospitalized, admitted to ICU and have died in Canada, by age group, as of 15 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.

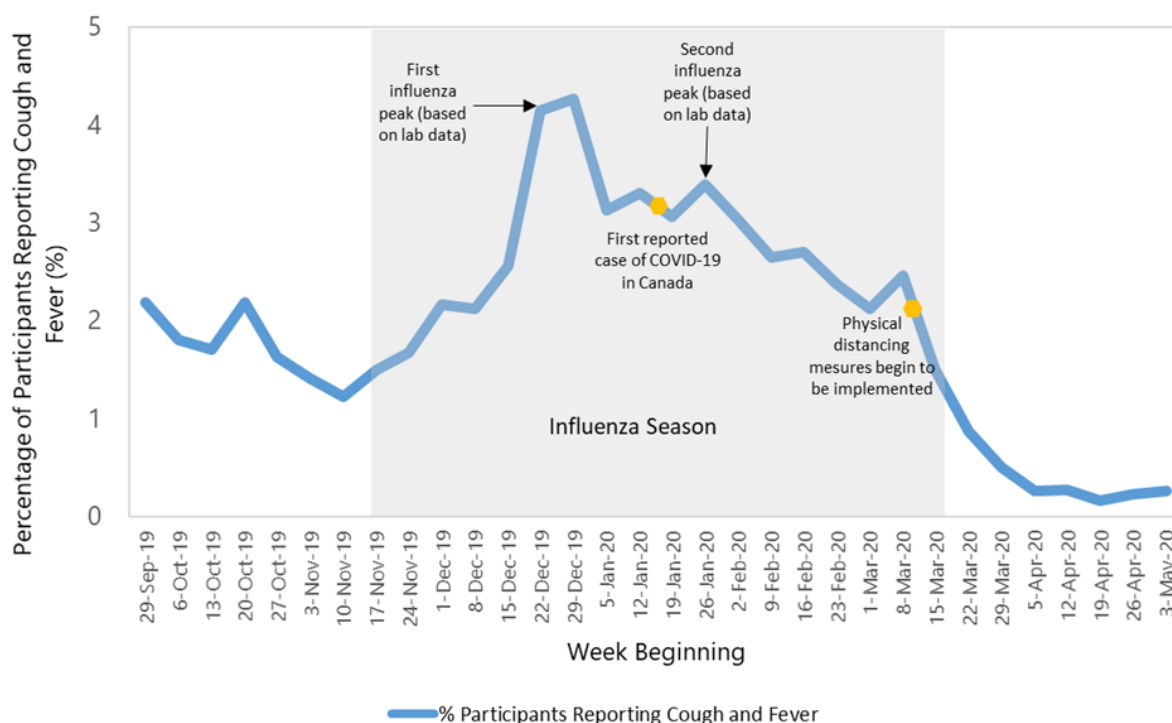
Among the 28 participants reporting cough and fever:

- 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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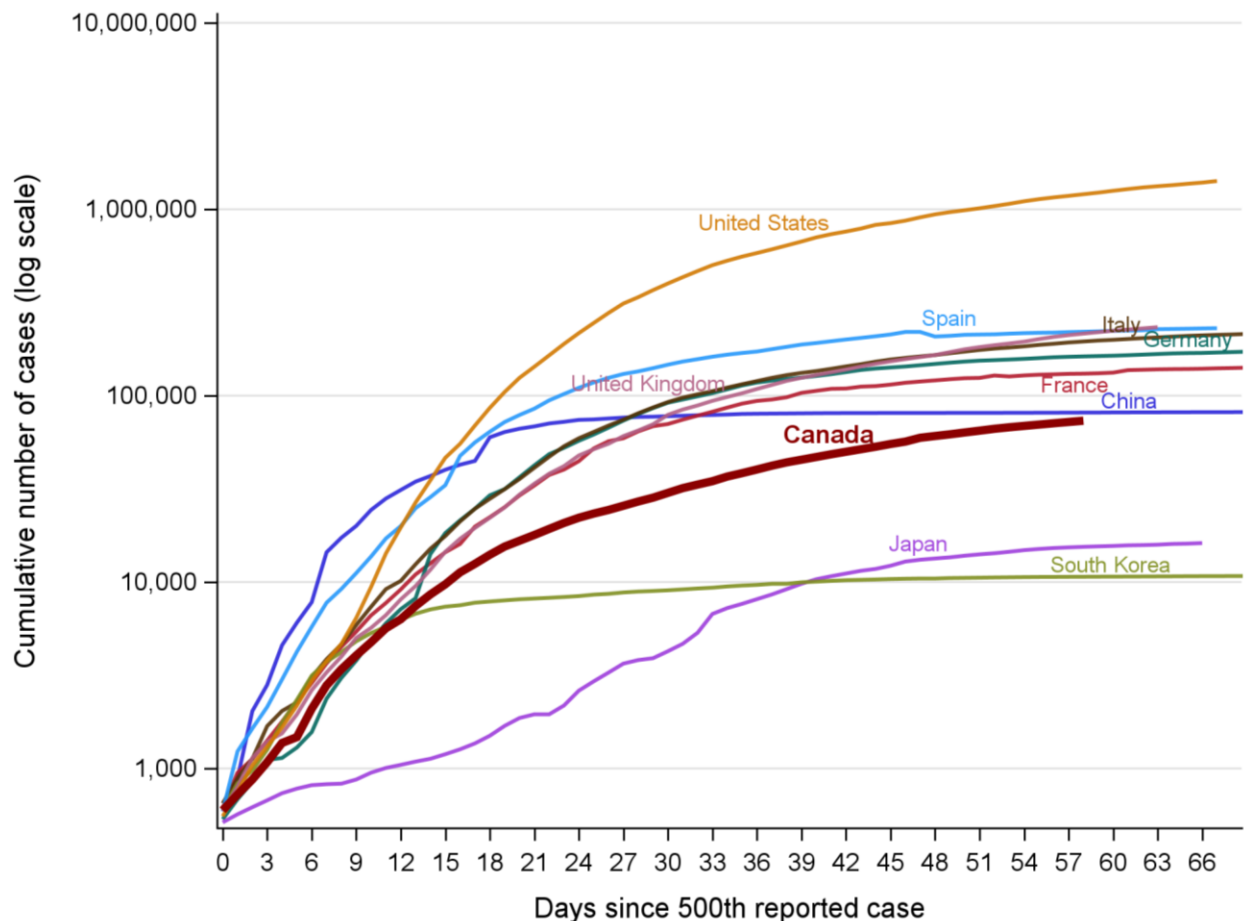
INTERNATIONAL

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 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 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.