

COVID-19 IN CANADA

CORONAVIRUS DISEASE 2019 (COVID-19)

DAILY EPIDEMIOLOGY UPDATE

Updated: 27 May 2020, 11:00 ET

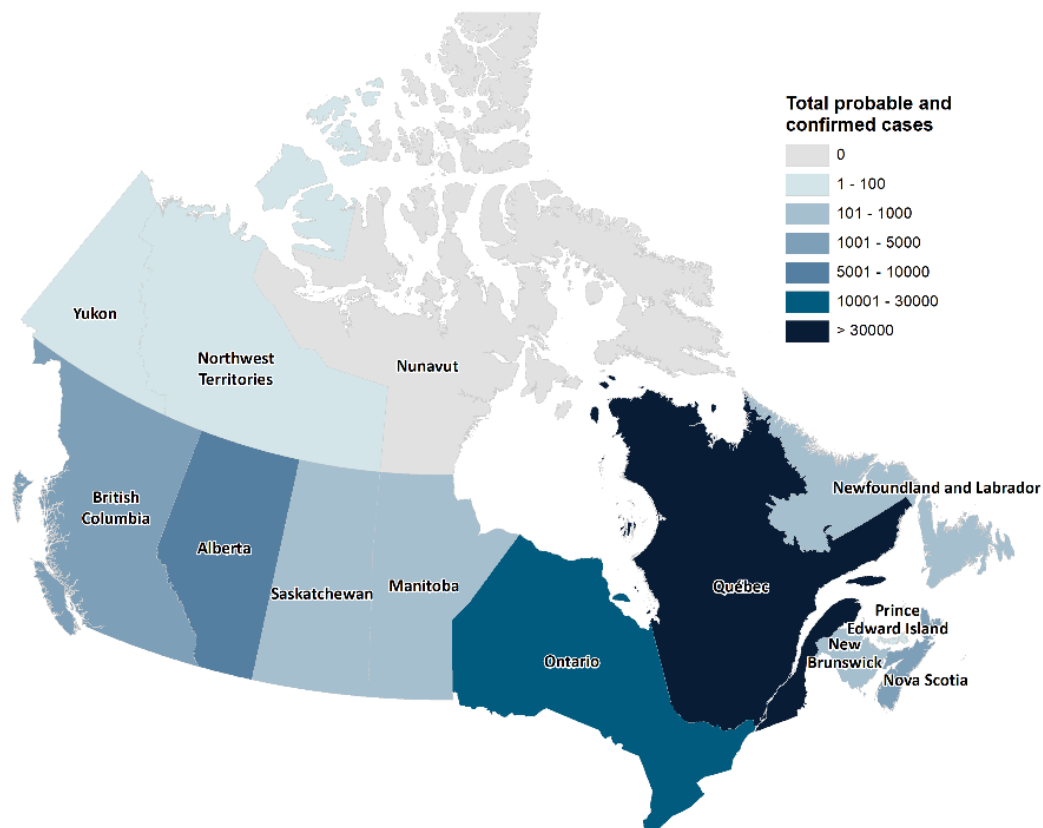
86 939 CONFIRMED CASES	45 766 (53%) RECOVERED	6 671 (7.7%) DEATHS
941 NEW CASES	40 658 PEOPLE TESTED PER 1 000 000	5.3% PERCENT POSITIVE (CUMULATIVE)

KEY UPDATES

- There is a decreasing trend in the number of newly reported cases.
- The majority of cases (86%) and deaths (94%) continue to be reported from Quebec and Ontario.
- **Note:** Today's epidemiological summary now includes more complete information for 86 189 cases (99% of all reported cases).
- With this more complete data set, we observed:
 - Overall, case distribution did not change for demographics and hospitalization proportions.
 - Notable differences were observed regarding exposure (Figure 2) where the proportion of international travellers is now lower than in previous reports, due to the increase in denominator.
 - Due to ongoing data upload processes of new case data received by PHAC, the clinical presentation data is not included in this report; updated data will be included once it has been validated.

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Figure 1. Map of COVID-19 cases reported in Canada by province/territory (n=86 926*)



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

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NATIONAL OVERVIEW

- In the past 24 hours:
 - Five or fewer cases were reported in New Brunswick and Nova Scotia.
 - No new cases were reported in Saskatchewan, and Manitoba.
 - No new deaths were reported in eight jurisdictions.
- For the past seven days:
 - No new cases have been reported in Newfoundland, Prince Edward Island, Yukon, Northwest Territories, and Nunavut.
- The majority of deaths (94%) were reported in Quebec (4 139) and Ontario (2 155).

Table 1. Summary of COVID-19 cases reported in Canada by location as of 27 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	2 541	11	2 122	84%	161	0
AB	6 901	22	6 048	88%	139	1
SK	634	0	549	87%	8	1
MB	292	0	269	92%	7	0
ON	26 483	292	20 372	77%	2 155	32
QC	48 598	614	14 999	31%	4 139	70
NL	260	0	255	98%	3	0
NB	122	1	120	98%	0	0
NS	1 052	1	976	93%	59	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
Total*	86 939	941	45 766	53%	6 671	105

* Includes 13 cases identified in repatriated travellers (Grand Princess cruise ship travelers) 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 86 189 cases. Not all data fields are complete, only cases with data available are included. Data presented are as of 27 May at 11:00 (ET).

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DEMOGRAPHIC DISTRIBUTION

- Thirty-seven percent (37%) of cases are 60 years and over.
- The highest proportion of cases are among those aged 40-59 years (31%), followed by those aged 20-39 years (26%); 6% of cases were ≤ 19 years of age.
- Fifty-seven percent (57%) of cases are females.

Table 2. Demographic characteristics of COVID-19 cases reported in Canada as of 27 May

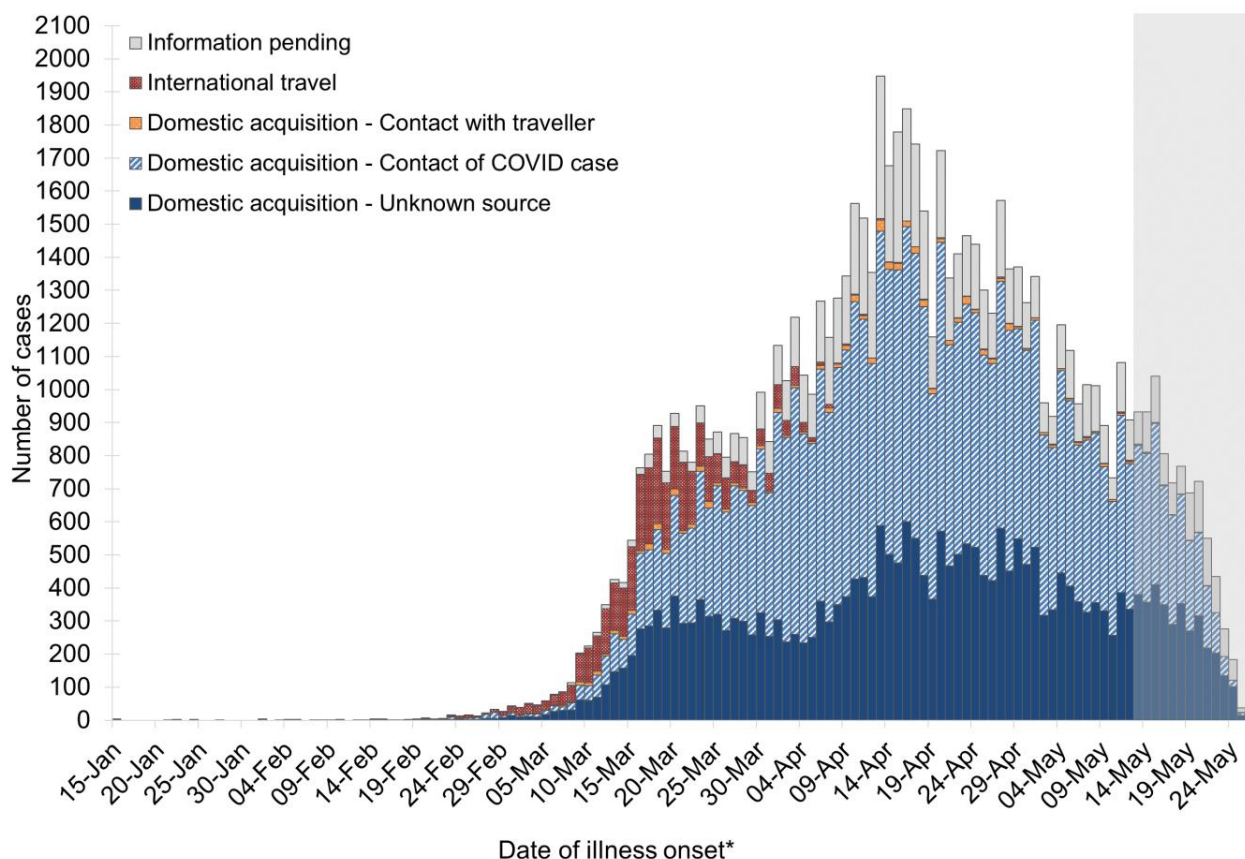
Age (in years)			
	Median	51	
	Range	0-112	
Age groups		n=86 069	
	≤ 19	5 411	(6%)
	20-39	22 389	(26%)
	40-59	26 530	(31%)
	60-79	15 415	(18%)
	80+	16 324	(19%)
Gender		n=85 898	
	Female	49 195	(57%)
	Male	36 693	(43%)
	Other	10	(<1%)

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TEMPORAL DISTRIBUTION BY EXPOSURE CATEGORY

- Of the 83 014 cases with information on exposure provided, 3 851 cases (5%) reported having travelled outside of Canada, 68 747 (83%) cases were due to domestic acquisition, and 10 416 (13%) have information pending.
 - Among domestic acquired cases, 56% (n=38 779) involved known contact with a COVID case.

Figure 2. Number of newly reported COVID-19 cases in Canada, by date of illness onset and exposure (n=78 919)



**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 **1 528 315 people** have been tested for COVID-19 in Canada (Table 3). This corresponds to a test rate of **40 658** per million population. The percent positive is **5.3%**, 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 27 May

Location	Total people tested*	New tests since last report	People tested per 1 000 000 pop'n
BC	116 762	1 493	23 024
AB	221 173	0	50 596
SK	40 969	460	34 883
MB	39 790	1 015	29 055
ON	623 470	14 638	42 801
QC	402 059	6 284	47 385
NL	11 568	94	22 180
NB	21 644	324	27 862
NS	41 075	741	42 285
PE	5 889	258	37 522
YK	1 159	5	28 369
NT	1 955	0	43 613
NU	726	13	18 721
Total*	1 528 315	25 325	40 658

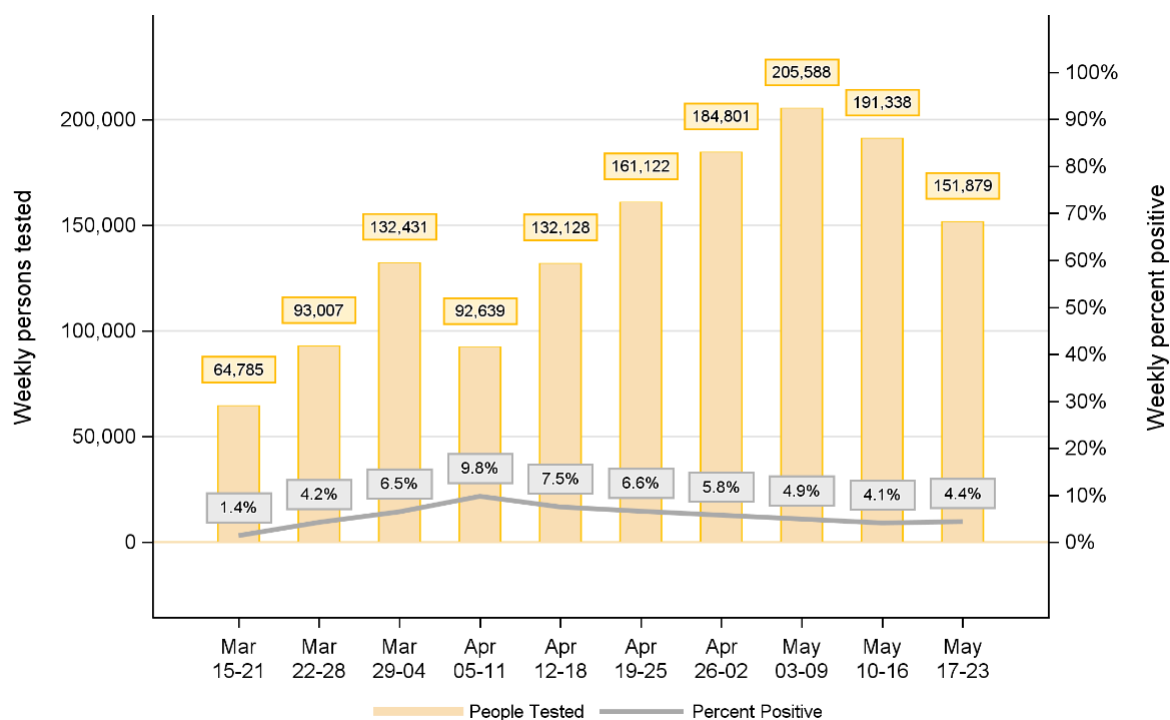
*For provinces and territories which report the number of tests completed, mathematical formula is used to estimate the number of unique people tested. *Includes 76 repatriated travellers tested.

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 17 to 23, 151 879 persons were tested and the daily average percent positive over that same period was 4.4% (Figure 3).

Figure 3.

Number of persons tested for COVID-19 and percent positive by week in Canada



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CASE SEVERITY

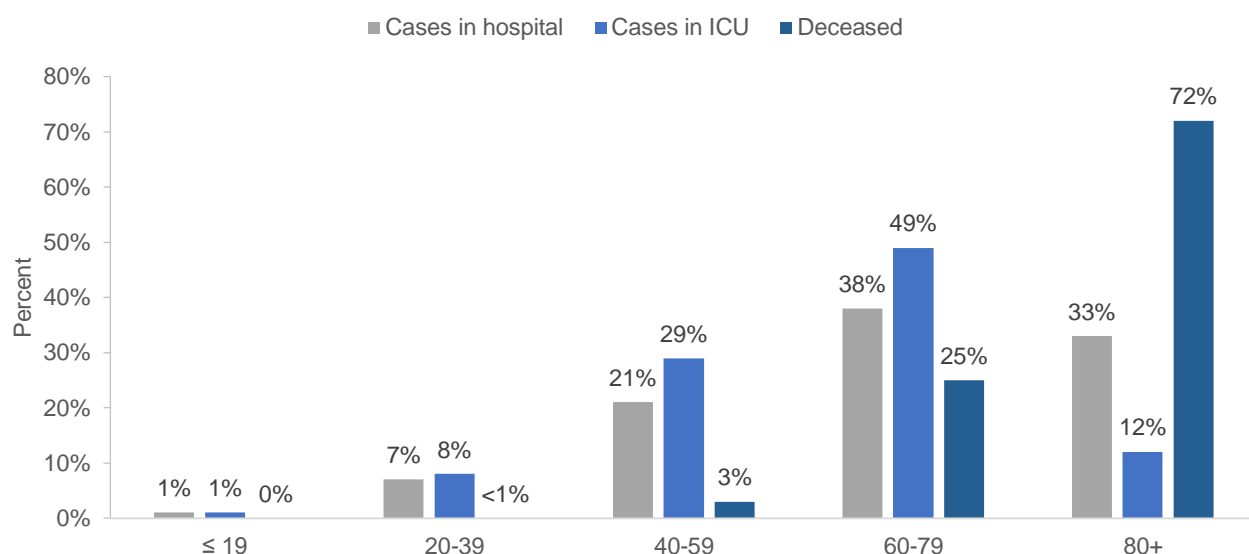
- **8 110** Data source: Provided by the NML, who receives lab testing data from provincial labs **520** admitted to the ICU, and **415** (5%) of hospitalizations requiring mechanical ventilation.
- From the 522 hospitalized cases for which clinical presentation was reported, 380 (73%) reported having one or more pre-existing conditions.

Table 4. Distribution of COVID-19 cases which have been hospitalized, admitted to ICU, and deceased in Canada, by age group and gender, as of 27 May

Case Severity						
Overall Summary Hospitalizations						
Hospitalizations			8 110/50 520		(16%)	
Hospitalizations in ICU			1 605/8 110		(20%)	
Hospitalizations requiring mechanical ventilation			415/8 110		(5%)	
All Hospitalizations			Admitted to ICU		Deceased	
Age groups						
≤ 19	88	(1%)	17	(1%)	0	0%
20-39	573	(7%)	135	(8%)	19	(<1%)
40-59	1 711	(21%)	473	(29%)	184	(3%)
60-79	3 053	(38%)	792	(49%)	1 629	(25%)
80+	2 682	(33%)	187	(12%)	4 671	(72%)
Total	8 107	(100%)	1 604	(100%)	6 503	(100%)
Gender						
Female	3 934	(49%)	619	(39%)	3 486	(54%)
Male	4 169	(51%)	986	(61%)	2 988	(46%)
Other	1	(<1%)				
Total	8 104	(100%)	1 605	(100%)	6 474	(100%)

Figure 4. Age distribution of COVID-19 cases hospitalized, admitted to ICU and deceased in Canada as of 27 May

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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 17, 2020, 11,138 participants reported into the FluWatchers program. A total of 15 participants (0.1%) reported cough and fever.

Among the 15 participants reporting cough and fever:

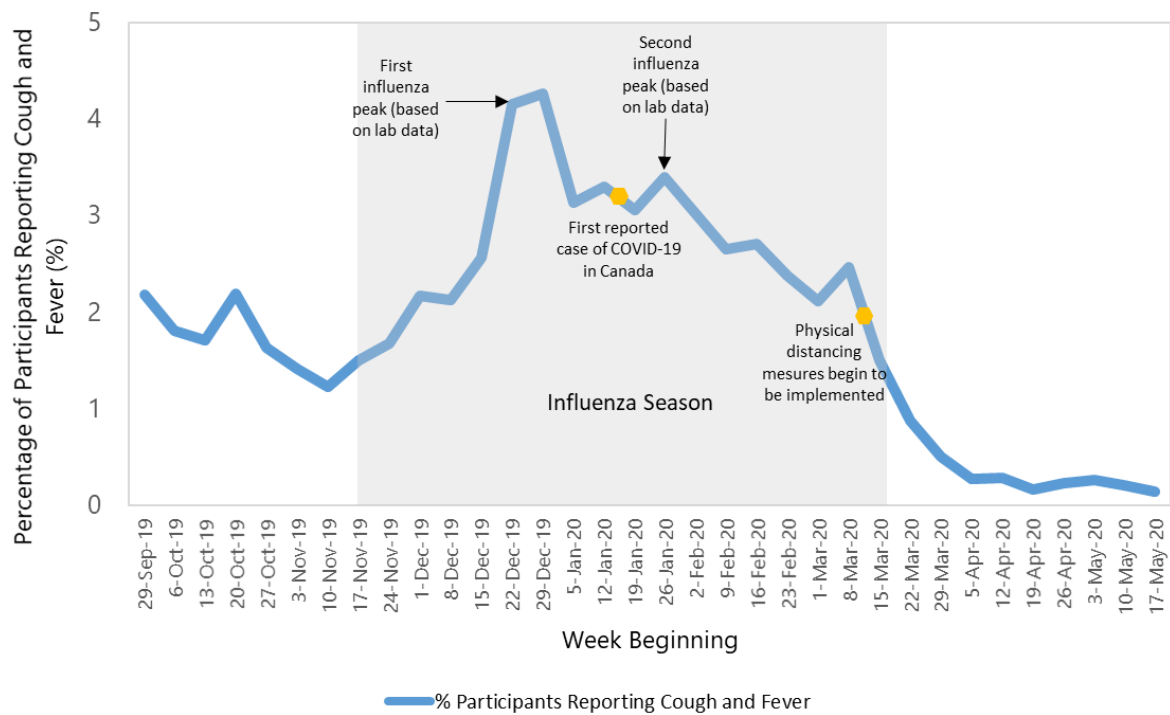
- 5 (33%) sought medical attention
- 1 (7%) were tested
 - The one test did not have a result at the time of reporting

Additionally, 200 participants (2%) reported having a cough and at least one other symptom* in the week of May 17, 2020. Eighteen of these participants reported being tested (13 tests were negative and 5 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=11 138 the week of May 17, 2020)

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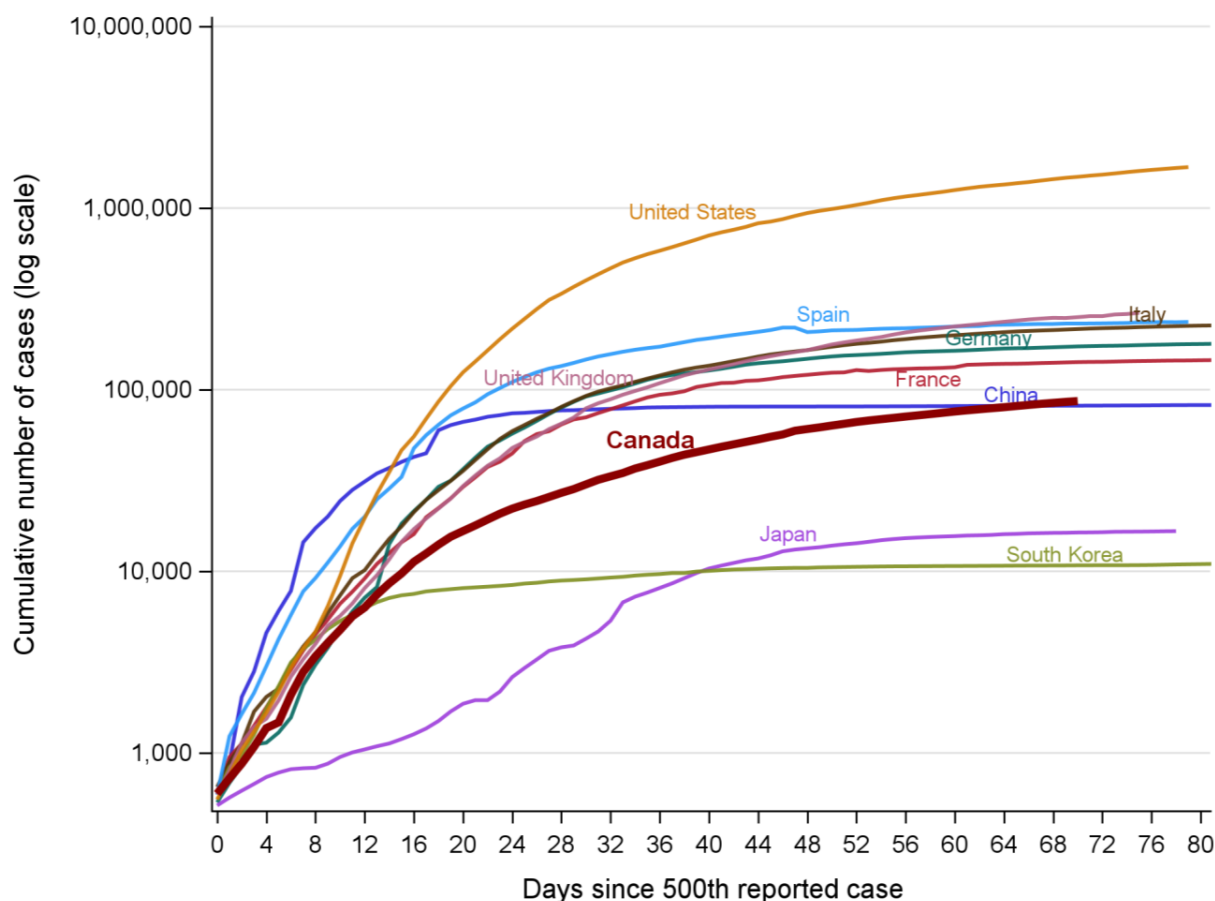
INTERNATIONAL

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 are found on [travel health notices](#).

For more information on COVID-19 internationally, please refer to the [World Health Organization 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.