

COVID-19 IN CANADA

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

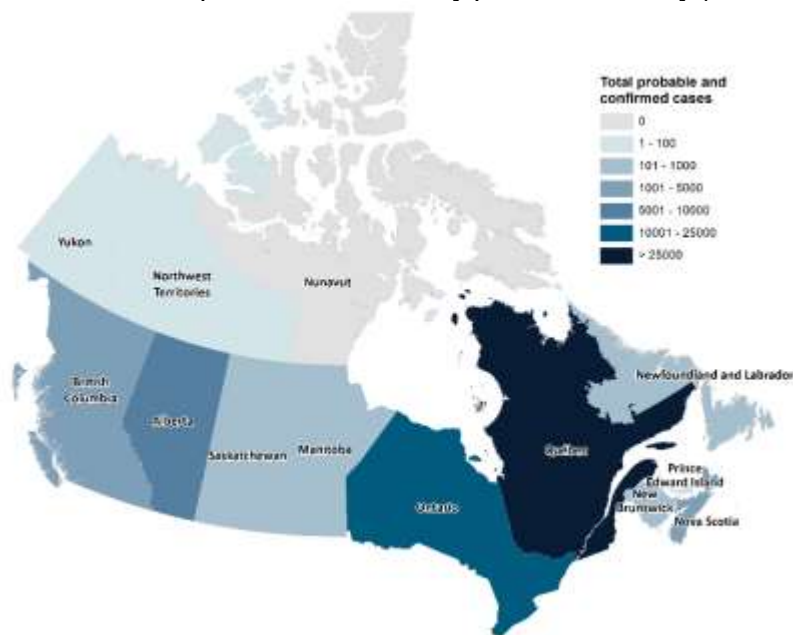
Updated: 21 May 2020, 11:00 ET

80 555 CONFIRMED CASES	41 108 (51%) RECOVERED	6 062 (7.5%) DEATHS
1 053 NEW CASES	36 637 PEOPLE TESTED PER 1 000 000	5.4% 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 (86%) 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=80 542*)



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:
 - Nova Scotia reported one new case, 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 (3 718) and Ontario (1 993).

Table 1: Summary of COVID-19 cases reported in Canada by location as of 21 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	2 467	21	2 001	81%	149	6
AB	6 735	19	5 637	84%	128	0
SK	620	21	494	80%	7	0
MB	290	0	260	90%	7	0
ON	24 187	413	18 509	77%	1 993	31
QC	44 775	578	12 822	29%	3 718	122
NL	260	0	253	97%	3	0
NB	120	0	120	100%	0	0
NS	1 045	1	956	91%	57	2
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*	80 555	1053	41 108	51%	6 062	161

* 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 39 995 cases. Not all data fields are complete, only cases with data available are included. Data presented are as of 21 May at 11:00 (ET).

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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.

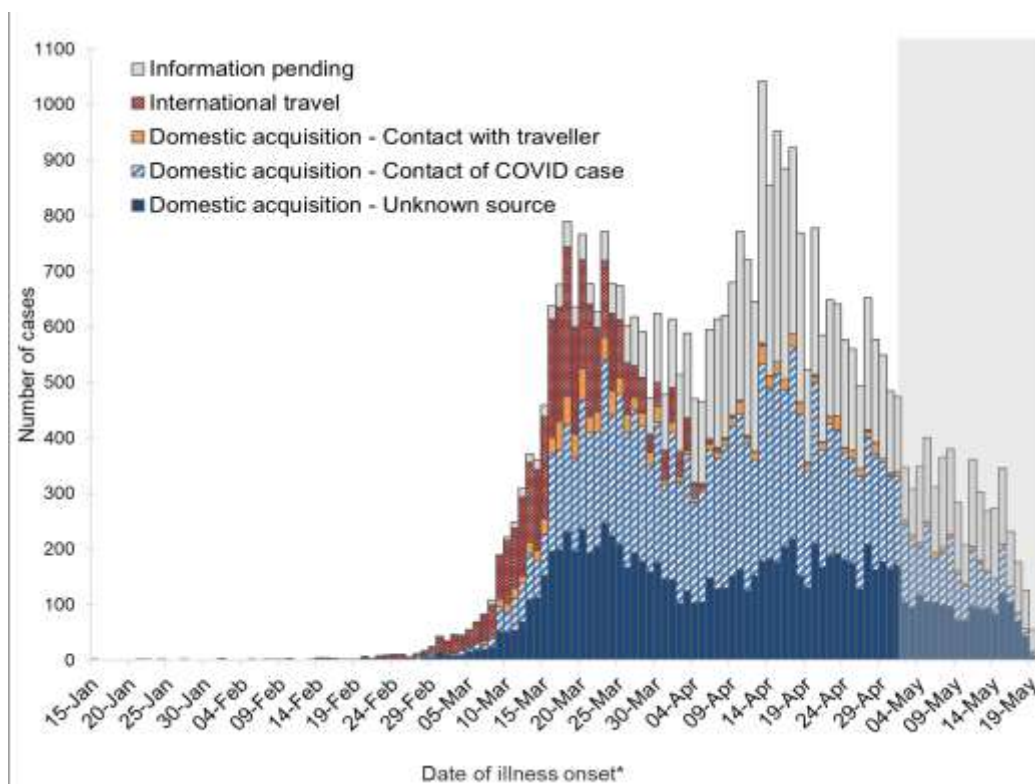
Table 2. Demographic characteristics of COVID-19 cases reported in Canada as of 21 May

Age (in years)			
Median		51	
Range		0-111	
Age groups		n=39 456	
≤ 19		2 177	(6%)
20-39		10 619	(27%)
40-59		12 715	(32%)
60-79		7 722	(20%)
80+		6 223	(16%)
Gender		n=39 742	
Female		21 802	(55%)
Male		17 924	(45%)
Other		16	(<1%)

TEMPORAL DISTRIBUTION BY EXPOSURE CATEGORY

- 3 792 cases (10%) reported having travelled outside of Canada, 25 237 (64%) cases are due to domestic acquisition, and 10 462 (26%) have information pending.

Figure 2. Number of newly reported COVID-19 cases in Canada, by date of illness onset and exposure category (n=38 453)



*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 **1 377 146** people have been tested for COVID-19 in Canada (Table 3). This corresponds to a test rate of **36 637** 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 21 May

Location	Total people tested*	New tests since last report*	People tested per 1 000 000 pop'n
BC	108 320	1 168	21 359
AB	203 397	0	46 530
SK	38 732	400	32 979
MB	35 723	590	26 085
ON	558 792	-8 384	38 361
QC	354 172	7 488	41 741
NL	10 967	126	21 028
NB	20 104	359	25 880
NS	38 275	343	39 402
PE	4 951	0	31 546
YK	1 141	0	27 929
NT	1 887	- 3	42 096
NU	685	9	17 664
Total*	1 377 146	2 096	36 637

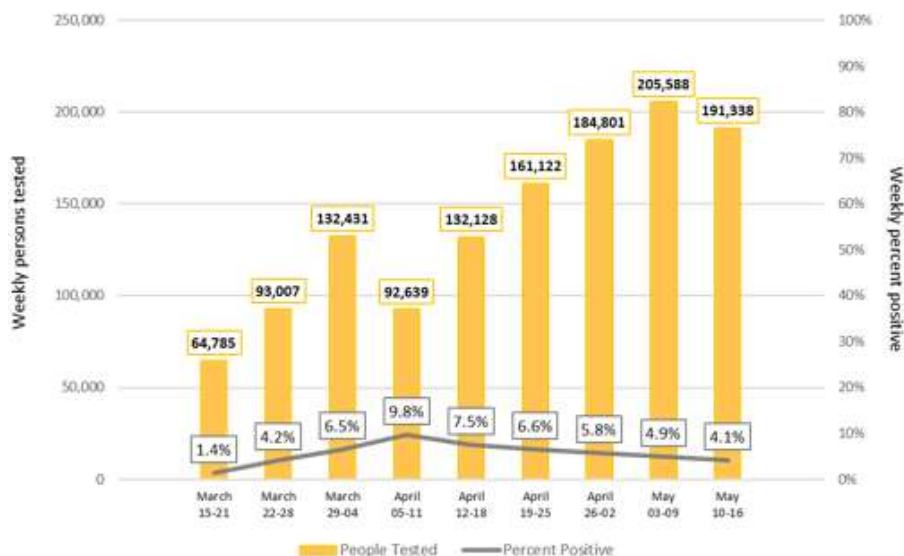
***Due to updated testing numbers from May 20, a lower number of tests than expected is reported.*

*‡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, 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

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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 ≥ 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 21 May

	By Age group		Overall
	0-59	≥ 60	
Pre-Existing Conditions	n=5 726	n=2 555	n=8 773
Cardiac	290 (5%)	876 (34%)	1 220 (14%)
Respiratory disease	567 (10%)	468 (18%)	1 089 (12%)
Diabetes	290 (5%)	518 (20%)	856 (10%)
Symptoms	n=5 950	n=2 560	n=8 802
Cough	4 262 (72%)	1 775 (69%)	6 444 (73%)
Headache	3 601 (61%)	930 (36%)	4 847 (55%)
Weakness	3 089 (52%)	1 271 (50%)	4 682 (53%)
Fever	2 563 (43%)	1 227 (48%)	4 035 (46%)
Clinical evaluations, complications or diagnosis	n=2 643	n=1 299	n=4 205
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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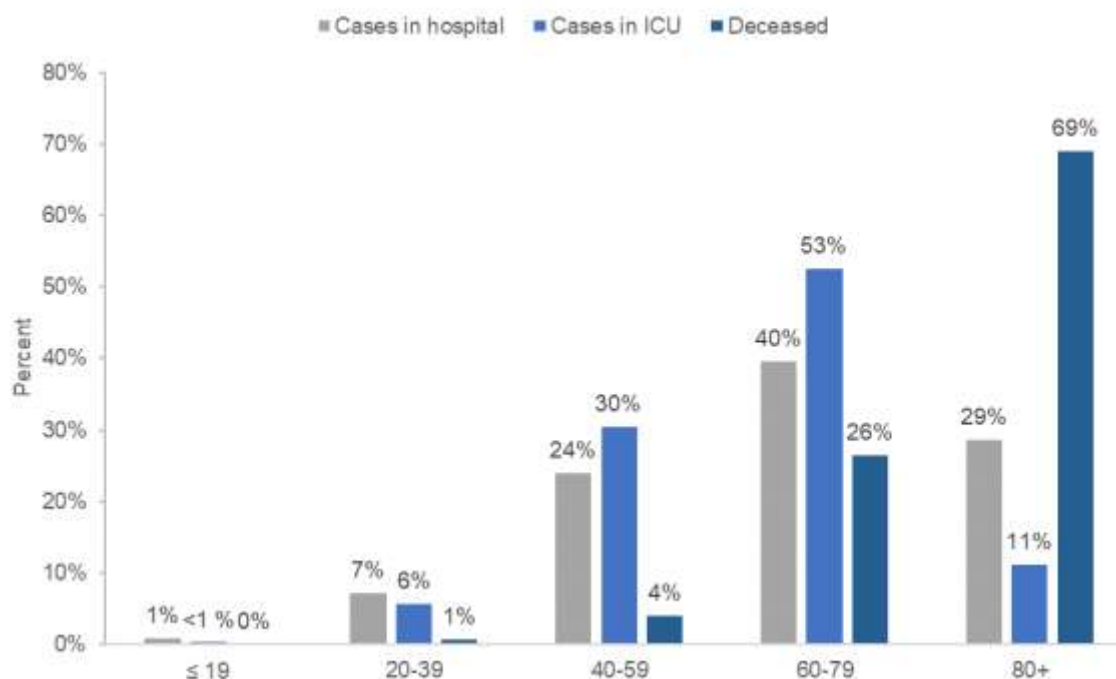
CASE SEVERITY

- **4 354** cases (**17%**) reported hospitalization, including **967** (**22%**) admitted to the ICU, and **171** (**4%**) of hospitalizations requiring mechanical ventilation.
- Seventy-four percent (74%) of cases reported one or more pre-existing conditions.
- Individuals ages ≥ 60 years comprise:
 - 69% of hospital admissions
 - 64% of ICU admissions
 - 95% of deaths

Table 5. Case severity summary of COVID-19 cases reported in Canada as of 21 May

Case Severity							
		All Hospitalizations		Admitted to ICU		Deceased	
Age groups							
≤ 19		34	(1%)	2	(<1%)	0	(0%)
20-39		305	(7%)	54	(6%)	13	(1%)
40-59		1033	(24%)	290	(30%)	89	(4%)
60-79		1 705	(40%)	502	(53%)	602	(26%)
80+		1 228	(29%)	106	(11%)	1 573	(69%)
Total		4 305	(100%)	954	(100%)	2 277	(100%)
Gender							
Female		1 978	(46%)	345	(36%)	1 177	(52%)
Male		2 362	(54%)	620	(64%)	1 078	(48%)
Other		2	(<1%)				
Total		4 342	(100%)	965	(100%)	2 255	(100%)

Figure 4. Age distribution of COVID-19 cases hospitalized, admitted to ICU and deceased in Canada as of 21 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 10, 2020, 10 953 participants reported into the FluWatchers program. A total of 22 participants (0.2%) reported cough and fever.

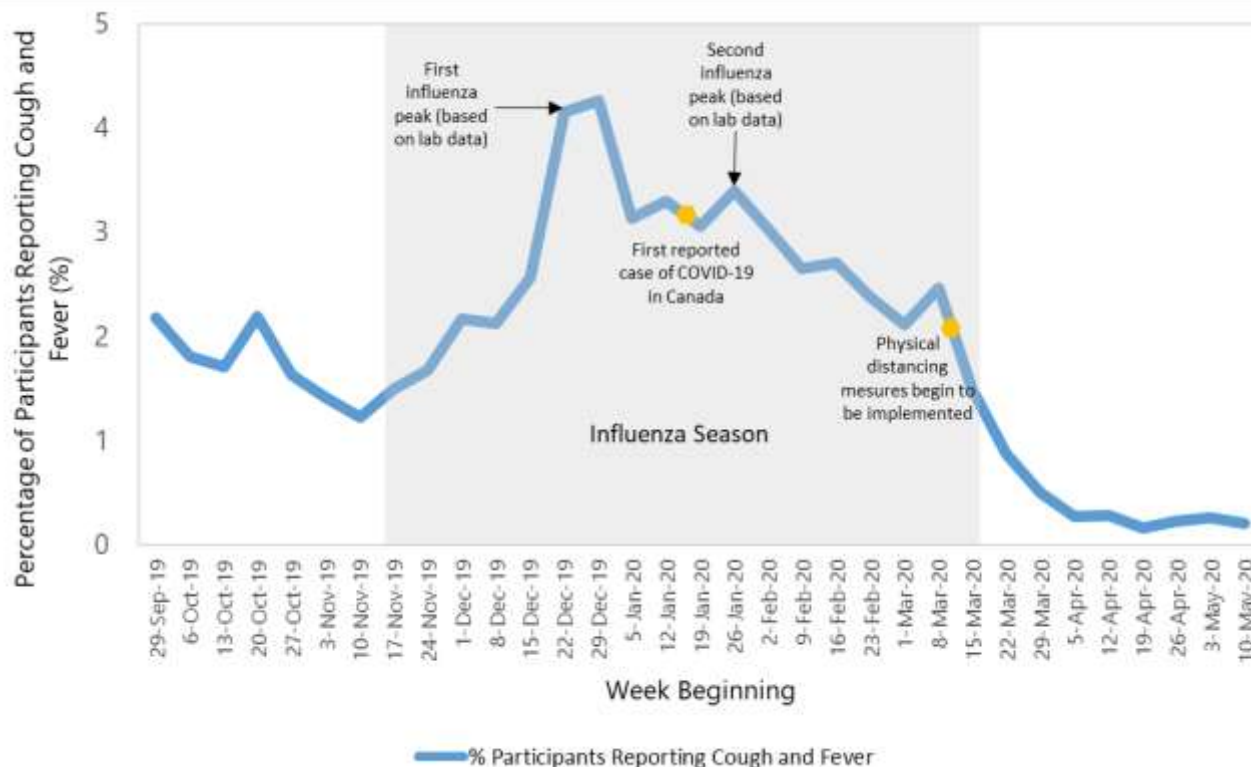
Among the 22 participants reporting cough and fever:

- 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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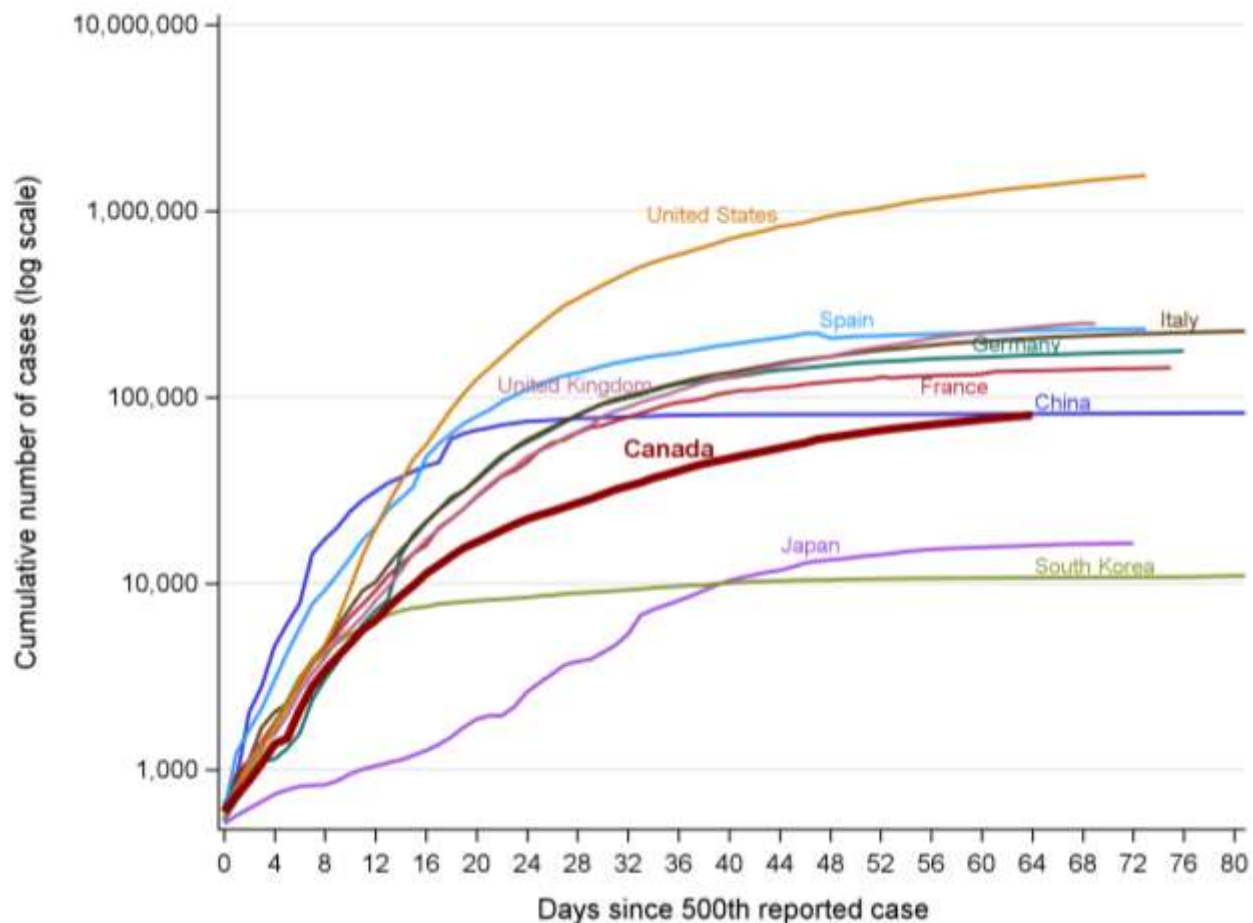
INTERNATIONAL

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.