CORONAVIRUS DISEASE 2019 (COVID-19)

DAILY EPIDEMIOLOGY UPDATE

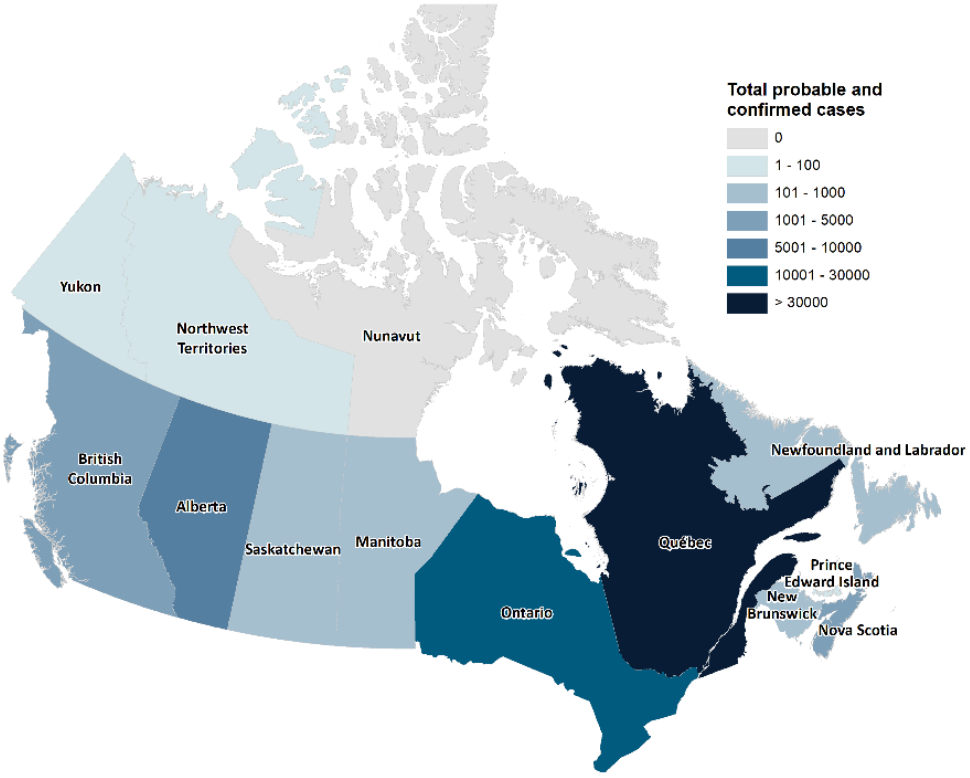
Updated: 28 May 2020, 11:00 ET

87 902 CONFIRMED CASES	**46 478 (53%)** RECOVERED	**6 799 (7.7%)** DEATHS
963 NEW CASES	**41 482** PEOPLE TESTED PER 1 000 000	**5.2%** 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.
- For the past 14 days, Newfoundland, Prince Edward Island, Yukon, and Northwest Territories have not reported a new case. Nunavut has not reported any cases.

Figure 1. Map of COVID-19 cases reported in Canada by province/territory (n=87 889*)



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

COVID-19 IN CANADA

NATIONAL OVERVIEW

- In the past 24 hours:
  - Five or fewer cases were reported in Saskatchewan, New Brunswick and Nova Scotia.
  - No new cases were reported in 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 (4 228) and Ontario (2 189).

Table 1. Summary of COVID-19 cases reported in Canada by location as of 28 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	2 550	9	2 144	84%	162	1
AB	6 926	25	6 106	88%	141	2
SK	637	3	559	88%	10	2
MB	292	0	271	93%	7	0
ON	26 866	383	20 673	77%	2 189	34
QC	49 139	541	15 319	31%	4 228	89
NL	260	0	255	98%	3	0
NB	123	1	120	98%	0	0
NS	1 053	1	975	93%	59	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
Total*	**87 902**	**963**	**46 478**	**53%**	**6 799**	**128**

** 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 86 574 cases. Not all data fields are complete, only cases with data available are included. Data presented are as of 28 May at 11:00 (ET).

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.

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.

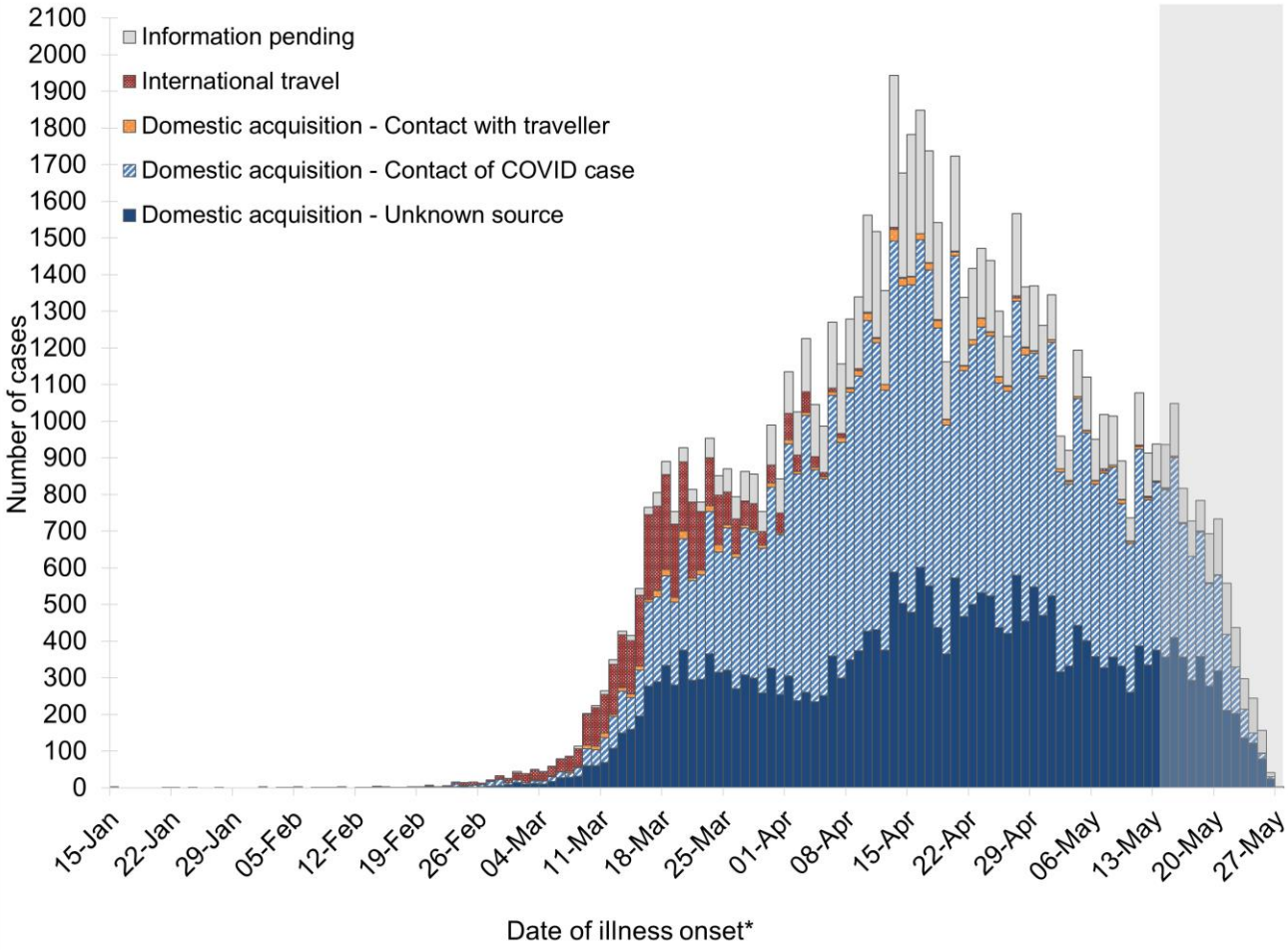
Table 2. Demographic characteristics of COVID-19 cases reported in Canada as of 28 May

Age (in years)		
Median	51	
Range	0-112	
Age groups	**n=86 455**	
≤ 19	5 445	(6%)
20-39	22 522	(26%)
40-59	26 638	(31%)
60-79	15 487	(18%)
80+	16 363	(19%)
Gender	**n=86 285**	
Female	49 375	(57%)
Male	36 899	(43%)
Other	11	(<1%)

TEMPORAL DISTRIBUTION BY EXPOSURE CATEGORY

- Of the 83 397 cases with information on exposure provided, 3 852 cases (5%) reported having travelled outside of Canada, 69 223 (83%) cases were due to domestic acquisition, and 10 322 (12%) have information pending.
    - Among domestically acquired cases, 56% (n=39 103) 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=79 293)



**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.*

LABORATORY TESTING

Over **1 559 280 people** have been tested for COVID-19 in Canada (Table 3). This corresponds to a test rate of **41 482** per million population. The percent positive is **5.2%**, 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 28 May

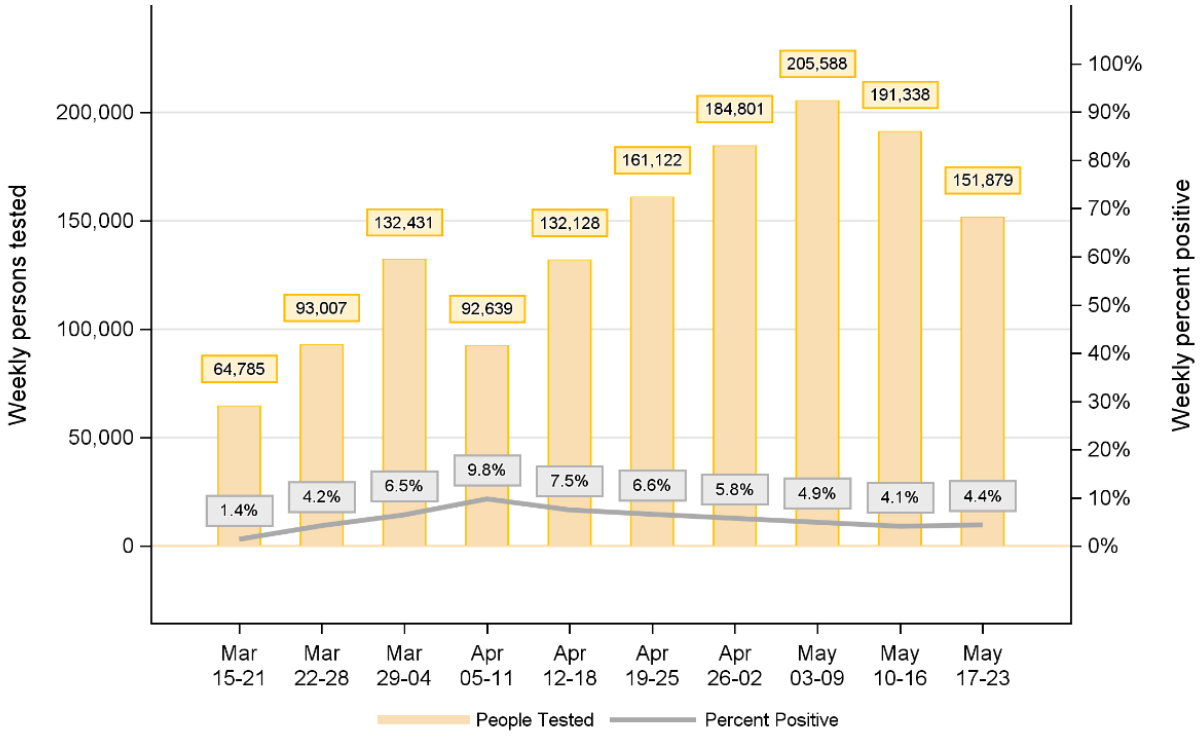
Location	Total people tested¥	New tests since last report	People tested per 1 000 000 pop'n
BC	118 177	1 415	23 303
AB	223 771	0	51 191
SK	41 605	636	35 425
MB	40 709	919	29 726
ON	640 509	17 039	43 971
QC	409 135	7 076	48 219
NL	11 769	201	22 566
NB	21 980	336	28 295
NS	41 783	708	43 013
PE	5 889	0	37 522
YK	1 163	4	28 467
NT	1 973	0	44 015
NU	741	15	19 108
Total*	**1 559 280**	**28 349**	**41 482**

*¥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



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

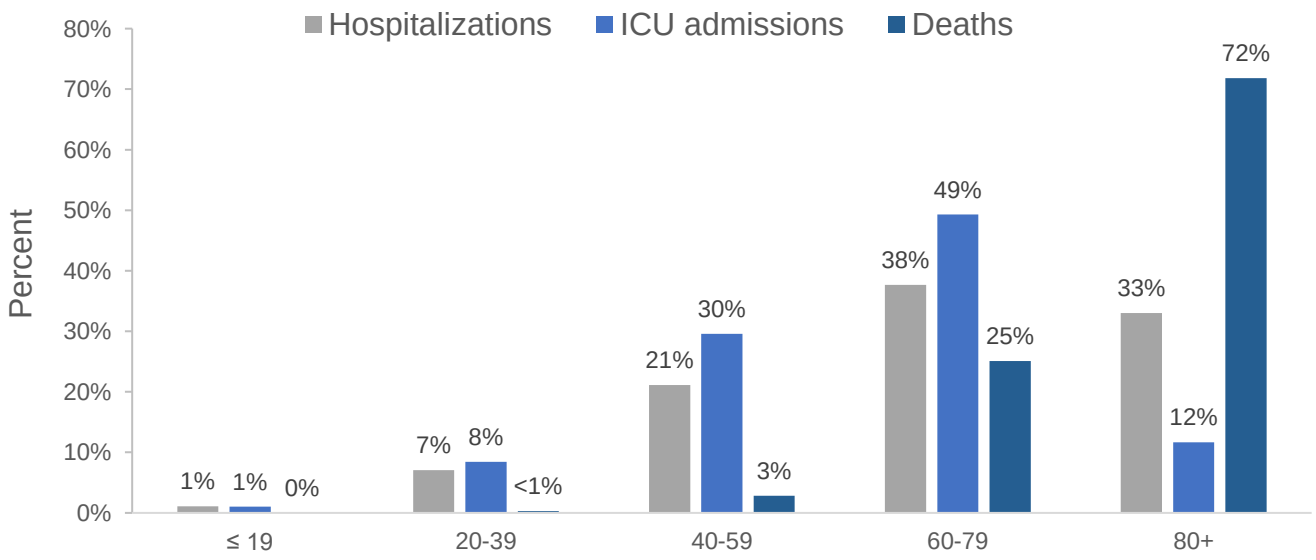
CASE SEVERITY

- **8 152** cases (**16%**) reported hospitalization, including **1 613** (**20%**) 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 28 May

Case Severity						
Overall Summary Hospitalizations						
Hospitalizations			8 152/50 724	(16%)		
Hospitalizations in ICU			1 613/8 152	(20%)		
Hospitalizations requiring mechanical ventilation			415/8 152	(5%)		
	All Hospitalizations		**Admitted to ICU**		**Deceased**	
Age groups						
≤ 19	89	(1%)	17	(1%)	0	0%
20-39	577	(7%)	136	(8%)	19	(<1%)
40-59	1 722	(21%)	477	(30%)	185	(3%)
60-79	3 072	(38%)	795	(49%)	1 640	(25%)
80+	2 690	(33%)	188	(12%)	4 694	(72%)
Total	**8 150**	**(100%)**	**1 613**	**(100%)**	**6 538**	**(100%)**
Gender						
Female	3 953	(49%)	621	(38%)	3 512	(54%)
Male	4 191	(51%)	992	(62%)	2 998	(46%)
Other	1	(<1%)				
Total	**8 145**	**(100%)**	**1 613**	**(100%)**	**6 510**	**(100%)**

Figure 4. Age distribution of COVID-19 cases hospitalized, admitted to ICU and deceased in Canada as of 28 May



FLUWATCHERS

FluWatchers is an online health surveillance system that relies on volunteer reports to track spread of flu-like illness across Canada.

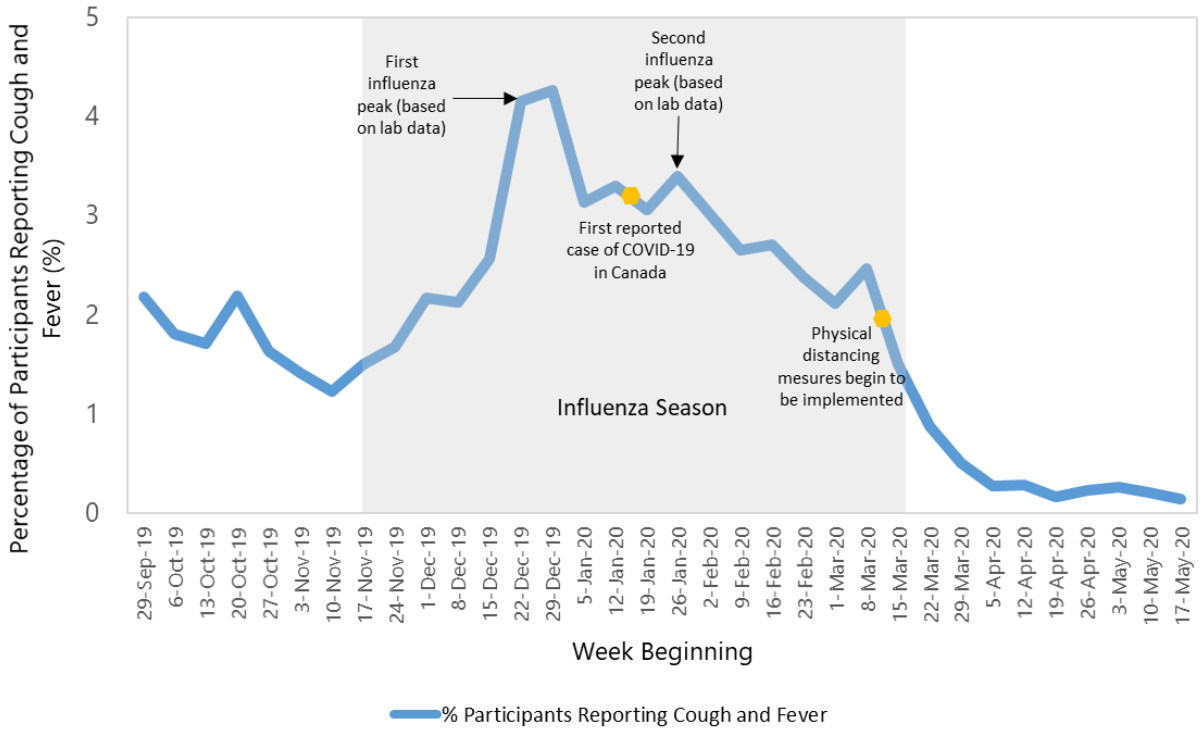
In the context of the COVID-19 pandemic, FluWatchers is shifting focus to track COVID-19 symptoms over the spring and summer months.

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)

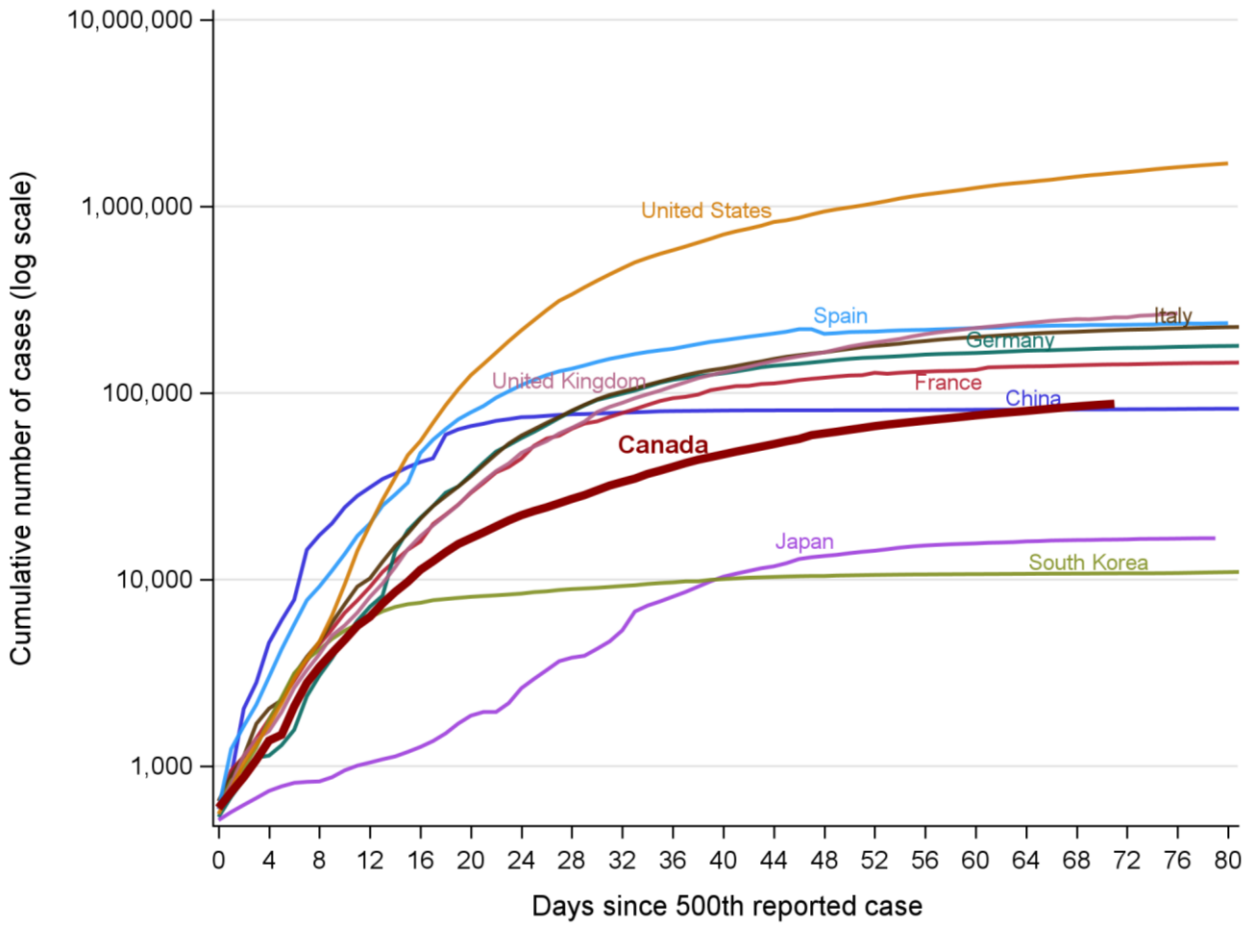


INTERNATIONAL

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.*