CORONAVIRUS DISEASE 2019 (COVID-19)

DAILY EPIDEMIOLOGY UPDATE

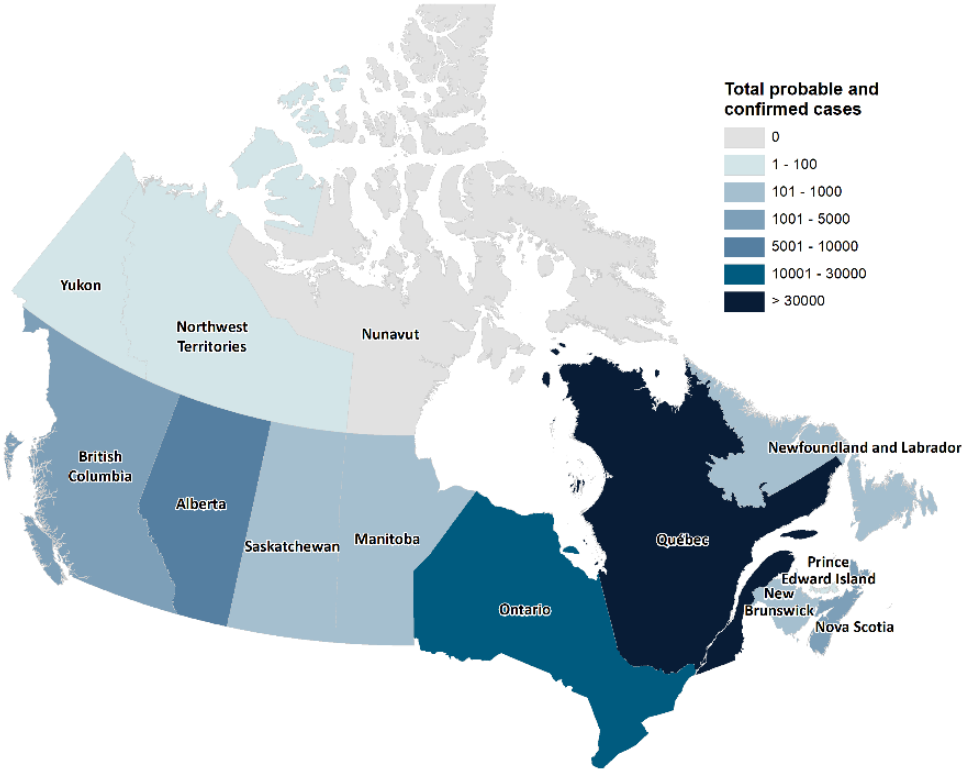
Updated: 2 June 2020, 11:00 ET

92 151 CONFIRMED CASES	**50 070 (54%)** RECOVERED	**7 344 (8%)** DEATHS
800 NEW CASES	**45 798** PEOPLE TESTED PER 1 000 000	**5%** PERCENT POSITIVE (CUMULATIVE)

KEY UPDATES

- The number of new cases reported daily continues to decline.
- The majority of cases (87%) and deaths (95%) continue to be reported from Quebec and Ontario
- A decrease in the number of reported deaths has been noted over the last few days. The 39 deaths reported today is the lowest since 9 April, 2020
- No new deaths were reported in ten jurisdictions in the past 24 hours

Figure 1. Map of COVID-19 cases reported in Canada by province/territory (n=92 138*)



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

NATIONAL OVERVIEW

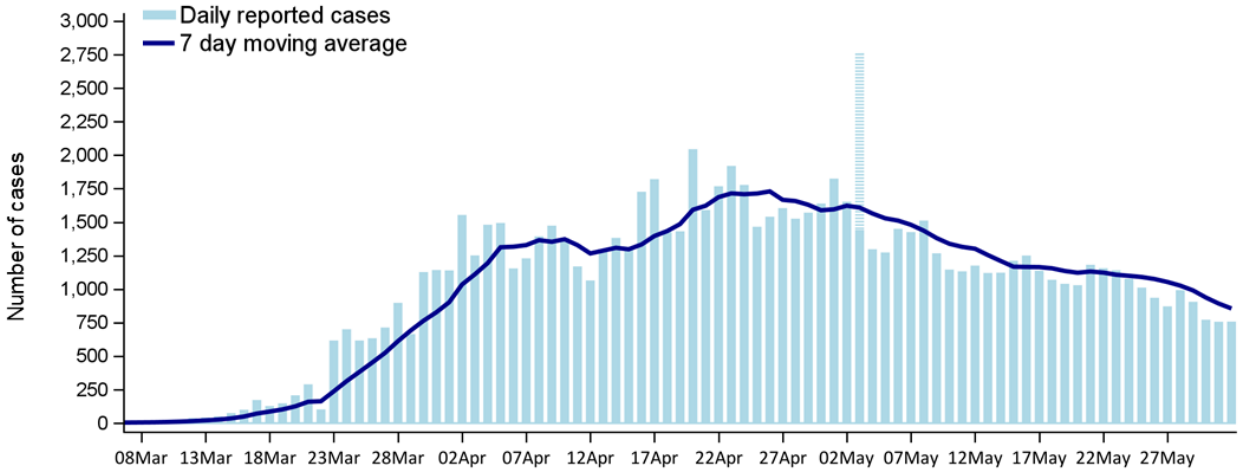
- In the past 24 hours:
  - five or fewer cases were reported in Nova Scotia
  - no new cases were reported in Saskatchewan, Manitoba, Newfoundland and Labrador, New Brunswick, Prince Edward Island, Yukon, Northwest Territories and Nunavut
  - no new deaths were reported in ten jurisdictions
- A decreasing trend in daily cases reported nationally:
  - daily case counts over the past 7 days are **21.5% lower** than the 7 days prior (Figure 2)
- A decreasing trend in the number of new deaths being reported:
  - daily reported deaths over the past 7 days are **12.4% lower** than the 7 days prior (Figure 3)
  - the majority of deaths (95%) were reported in Quebec (4 661) and Ontario (2 293)

Table 1. Summary of COVID-19 cases reported in Canada by location as of 2 June 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	2 597	24	2 207	85%	166	2
AB	7 044	34	6 501	92%	143	0
SK	646	0	588	91%	11	0
MB	295	0	278	94%	7	0
ON	28 709	446	22 484	78%	2 293	17
QC	51 354	295	16 597	32%	4 661	20
NL	261	0	255	98%	3	0
NB	132	0	120	91%	0	0
NS	1 057	1	984	93%	60	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*	**92 151**	**800**	**50 070**	**54%**	**7 344**	**39**

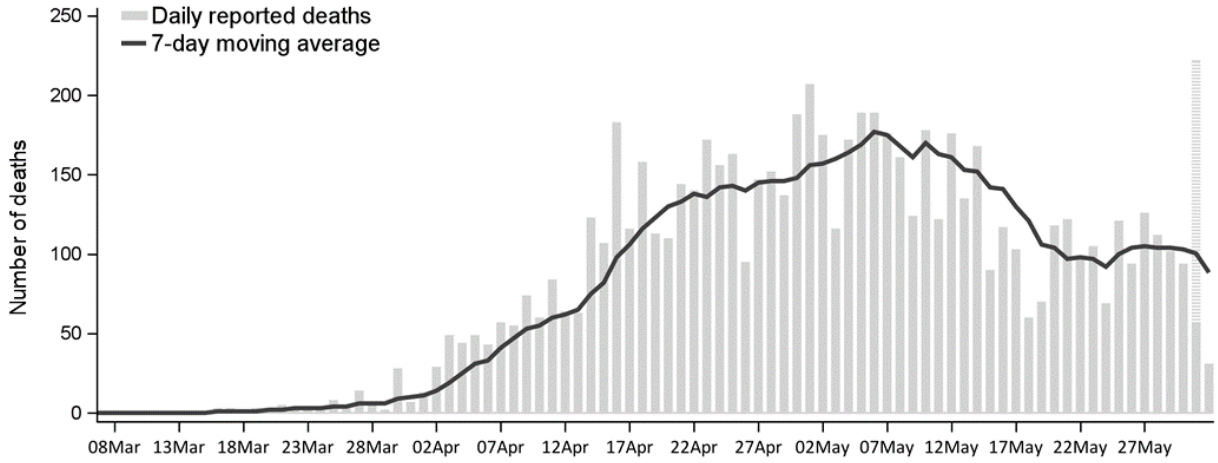
** Includes 13 cases identified in repatriated travellers (Grand Princess cruise ship travellers) who were under quarantine in Trenton in March 2020. Update on their status is not available.*

Figure 2. Daily and average number of reported COVID-19 cases in Canada, by reported date



Note: *The 7-day moving average is a trend indicator that captures the arithmetic mean of the daily reported cases over the previous seven days. The moving average helps smooth out day-to-day variability in reporting, filtering out the "noise" of short term fluctuations. The hatched blue bar corresponds to the 1 317 cases reported by Quebec on May 3rd, that were originally detected over the period April 2 to 30 (excluded from moving average calculation).*

Figure 3. Daily and average number of COVID-19 related deaths in Canada, by reported date



Note*: The 7-day moving average is a trend indicator that captures the arithmetic mean of the daily reported deaths over the previous seven days. The moving average helps smooth out day-to-day variability in reporting, filtering out the "noise" of short term fluctuations. The hatched grey bar corresponds to 165 additional deaths reported by Quebec on May 31st that occurred before May 23.*

PHAC receives detailed case from provinces and territories. The epidemiology update is based on information received for 91 669 cases. Not all data fields are complete, only cases with data available are included. Data presented are as of 2 June at 11:00 (ET).

DEMOGRAPHIC DISTRIBUTION

- The highest proportion of cases are among those aged 40-59 years (31%), followed by those aged 20-39 years (26%); 7% of cases were ≤ 19 years of age
    - Thirty-seven percent (37%) of cases are 60 years and over
- Fifty-seven percent (57%) of cases are females
    - Of those cases 60 years and over, 60% of cases are female

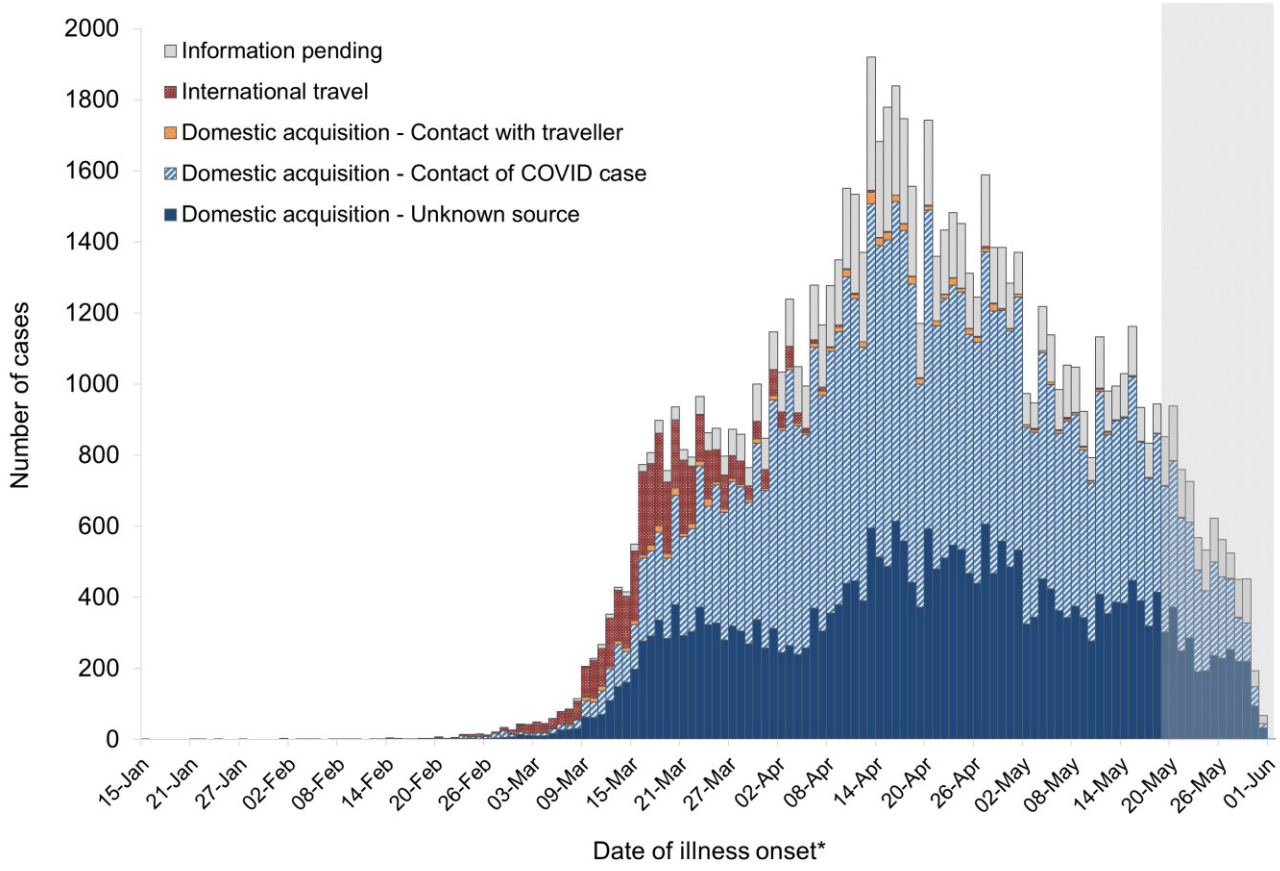
Table 2. Demographic characteristics of COVID-19 cases reported in Canada as of 2 June

Age (in years)		
Median	51	
Range	0-112	
Age groups	**n=91 551**	
≤ 19	5 976	(7%)
20-39	24 136	(26%)
40-59	28 193	(31%)
60-79	16 264	(18%)
80+	16 982	(19%)
Gender	**n=91 362**	
Female	52 004	(57%)
Male	39 347	(43%)
Other	11	(<1%)

TEMPORAL DISTRIBUTION BY EXPOSURE CATEGORY

- Of the 89 412 cases with information on exposure provided, 3 866 cases (4%) reported having travelled outside of Canada, 42 451 (48%) cases were due to exposure in Canada to either a known COVID-19 case or to someone who had travelled; 10 402 (12%) have information pending

Figure 4. Reported COVID-19 cases in Canada, by date of illness onset* and exposure (n=84 853)



** When date of illness onset is not available, the earliest date of the following dates was used as an estimate the following order: Specimen Collection Date and Laboratory Testing Date. Cases that do not include any of these date types have been excluded from the curve.*

***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 **1 721 511 people** have been tested for COVID-19 in Canada (Table 3). This corresponds to a test rate of **45 798 per million population**. The percent positive is **5%**, which represents the number of positive tests to the total number of tests undertaken.

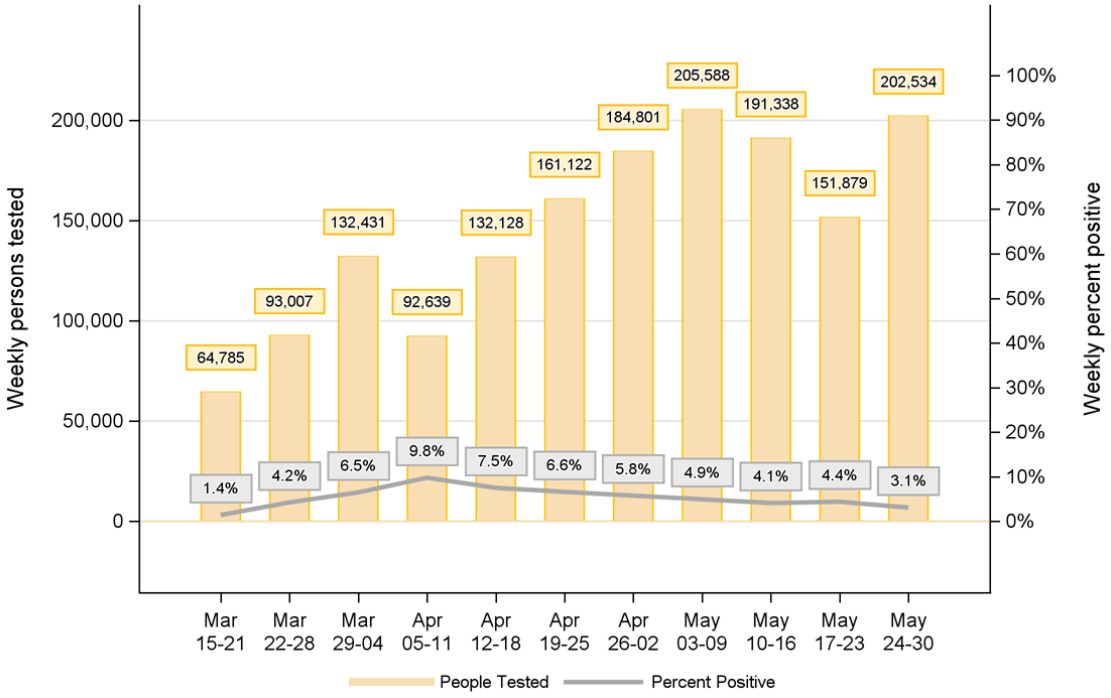
Table 3. Summary of COVID-19 testing reported in Canada by location as of 2 June

Location	Total people tested¥	New tests since last report	People tested per 1 000 000 pop'n
BC	125 418	1 630	24 731
AB	237 747	2 332	54 388
SK	43 932	275	37 406
MB	44 400	593	32 421
ON	723 506	14 746	49 669
QC	450 317	5 535	53 072
NL	12 433	180	23 839
NB	28 827	4 160	37 109
NS	44 180	504	45 481
PE	6 645	114	42 339
YK	1 186	10	29 030
NT	2 052	51	45 777
NU	792	8	20 423
Total*	**1 721 511**	**30 138**	**45 798**

*¥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 24 to 30, 202 534 persons were tested and the daily average percent positive over that same period was 3.1% (Figure 5).

Figure 5. 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

Among the **54 536** cases with data on hospitalization status reported,

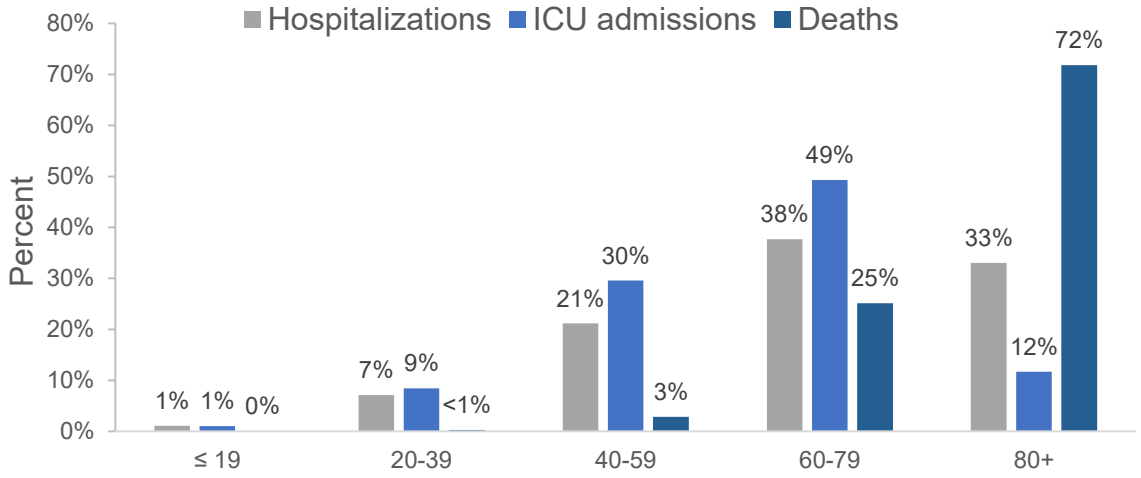
- **8 686** cases (**16%**) were hospitalized, of whom:
- **1 709** (**20%**) were admitted to the ICU
- **427** (**5%**) required mechanical ventilation

Among the **522** hospitalized cases for which clinical presentation was reported, **382** (73%) reported having one or more pre-existing conditions

Table 4. Severity of COVID-19 cases in Canada as of 2 June

Case Severity						
Overall Summary Hospitalizations						
Hospitalizations			8 686/54 536	(16%)		
Hospitalizations in ICU			1 709/8 686	(20%)		
Hospitalizations requiring mechanical ventilation			427/8 686	(5%)		
	All Hospitalizations		**Admitted to ICU**		**Deceased**	
Age groups						
≤ 19	93	(1%)	19	(1%)	0	(0%)
20-39	618	(7%)	146	(9%)	20	(<1%)
40-59	1 819	(21%)	505	(30%)	201	(3%)
60-79	3 258	(38%)	839	(49%)	1 811	(25%)
80+	2 896	(33%)	200	(12%)	5 191	(72%)
Total	**8 684**	**(100%)**	**1 709**	**(100%)**	**7 223**	**(100%)**
Gender						
Female	4 234	(49%)	661	(39%)	3 887	(54%)
Male	4 444	(51%)	1 048	(61%)	3 308	(46%)
Other	1	(<1%)				
Total	**8 679**	**(100%)**	**1 709**	**(100%)**	**7 195**	**(100%)**

Figure 6. Distribution of COVID-19 cases hospitalized, admitted to ICU and deceased in Canada, by age group, as of 2 June



FLUWATCHERS

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

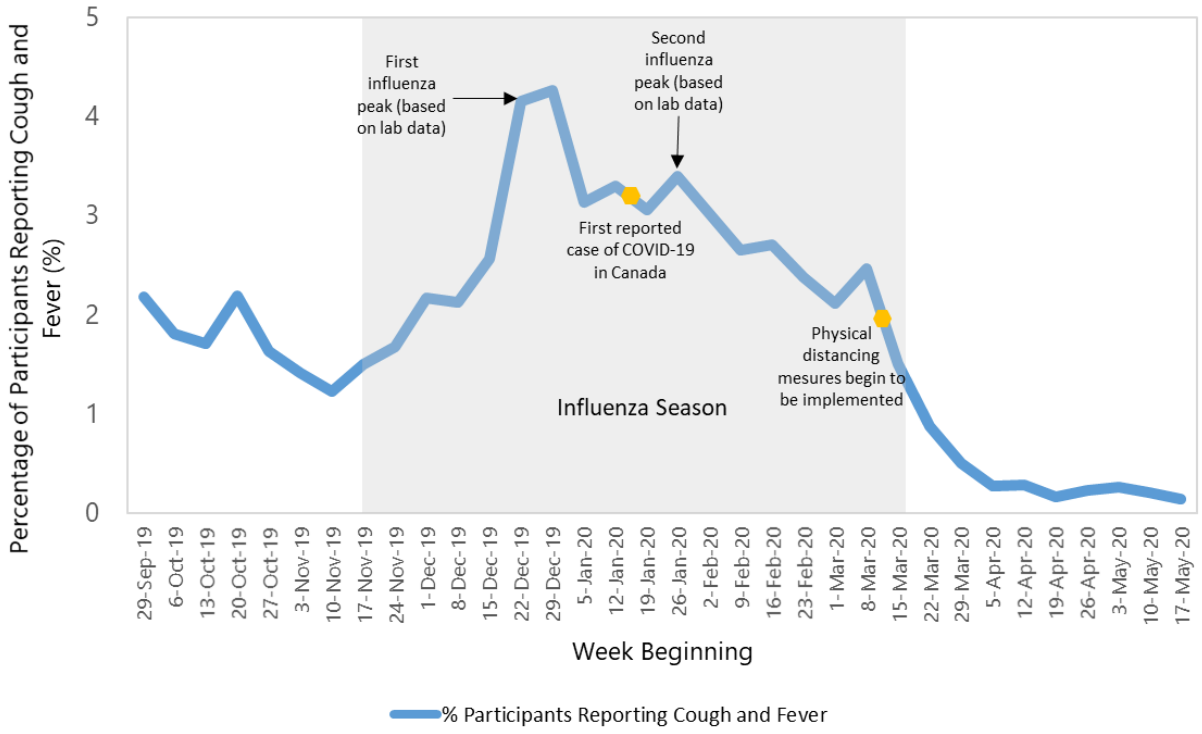
In the context of the COVID-19 pandemic, FluWatchers is shifting focus to track COVID-19 symptoms over the spring and summer months.

In the week of 17 May, 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 7. Percentage of FluWatchers Participants Reporting Cough and Fever (N=11 138 the week of May 17, 2020)

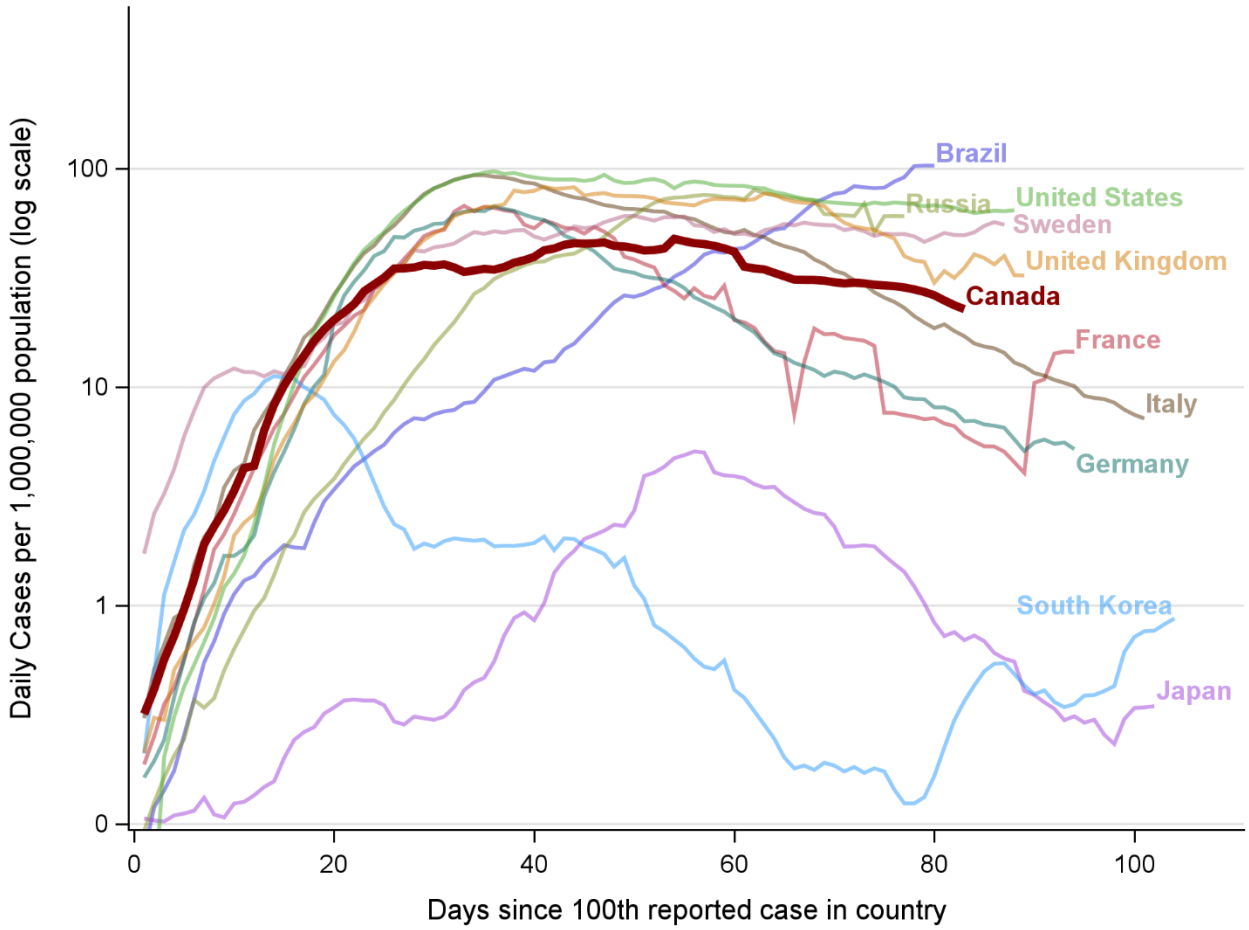


INTERNATIONAL

A summary of the daily cases of COVID-19 in Canada compared to other countries can be seen in **Figure 8**. The chart shows daily cases per 1 000 000 population reported by country, using a 7-day moving average of number of cases.

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 8. Daily cases of COVID-19 in Canada compared to other countries (7-day moving average*, population adjusted)



** The 7-day moving average is a trend indicator that captures the arithmetic mean of the daily reported cases over the previous seven days. The moving average helps smooth out day-to-day variability in reporting, filtering out the "noise" of short term fluctuations.*

***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.*