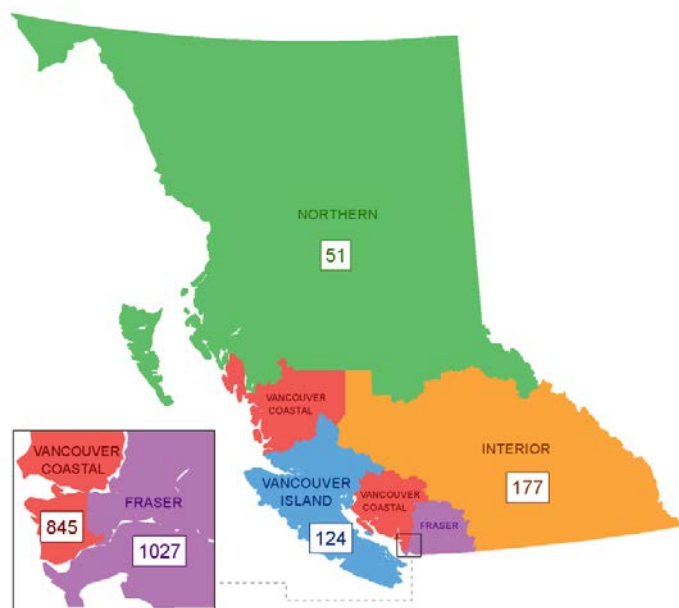


British Columbia COVID-19 Daily Situation Report, May 4, 2020*

Figure 1: Map of COVID-19 confirmed cases reported by health authority, BC, January 1 – May 4, 2020 (N=2,224)



Key messages

- The number of reported cases has decreased in the last few days (Table 1, Fig 3).
- The number of new hospitalisations has varied but generally remained low (Fig 4). The number of cases currently in hospital has stabilized in the last 3 days (Fig 9).
- The number of lab tests has remained high and the proportion testing positive has dropped since Apr 21 (Fig 5). This may be due to testing a larger number of people without COVID since universal testing guidelines were implemented.
- A single new outbreak was declared in the last 3 days (Fig 6, Table 2).

Table 1: Epidemiological profile of reported cases by health authority, BC, January 1 – May 4, 2020 (N=2,224)

	Fraser	Interior	Vancouver Island	Northern	Vancouver Coastal	Total N (%) ^a
Total number of cases	1,027	177	124	51	845	2,224
New cases since yesterday	14	0	0	1	4	19
Median age in years, cases ^b	51	48	52	47	56	52 years (range 0-103y)
Female sex, cases	500	88	68	30	466	1,152/2,219 (52%)
Cumulative incidence per 100,000 population	54	22	15	17	68	44
Ever hospitalized^c	224	29	25	12	166	456 (21%)
Median age in years, ever hospitalized ^b	70	62	72	48	69	69 years (range 0-98y)
Currently hospitalized ^c	37	4	3	3	30	77
Currently in critical care^d	10	0	0	1	9	20
Total number of deaths^c	37	2	4	0	74	117 (5%)
New deaths since yesterday	2	0	0	0	1	3
Median age in years, deaths ^b	82	73	86	NA	87	85 years (range 47-101y)
Discontinued isolation^e	537	157	105	43	575	1,417 (64%)

^a Denominator for % derivation is total number of cases (N), except sex for which denominator is as specified for those with known information on sex.

^b Median age is calculated based on those with known information for all, hospitalized, and deceased cases (n=2219, 456, and 117, respectively).

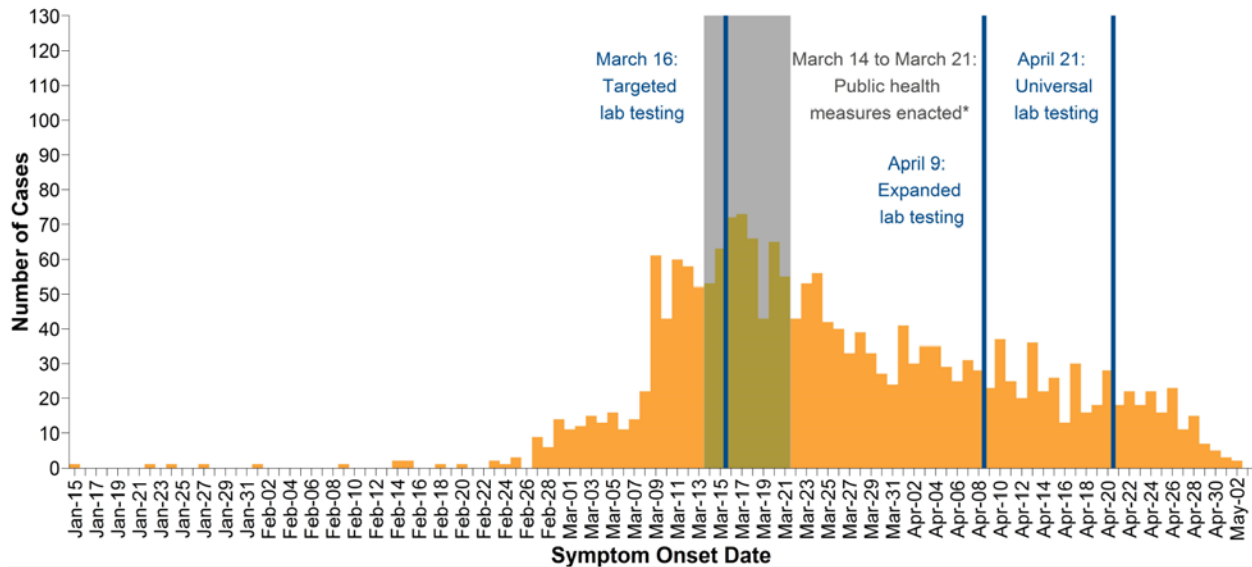
^c Serious outcomes (i.e., hospitalization, death) may be incomplete or out of date (i.e., under-estimates) owing to the timing and process for case status update.

^d Source: PHSA May 4@10am. The number of COVID cases in critical care units is reported daily by each Health Authority and includes the number of COVID patients in all critical care beds (e.g., intensive care units; high acuity units; and other surge critical care spaces as they become available and/or required). Work is ongoing to improve the completeness and accuracy of the data reported.

^e Self-isolation has been discontinued per the criteria outlined in [BC guidelines for public health management of COVID-19](#)

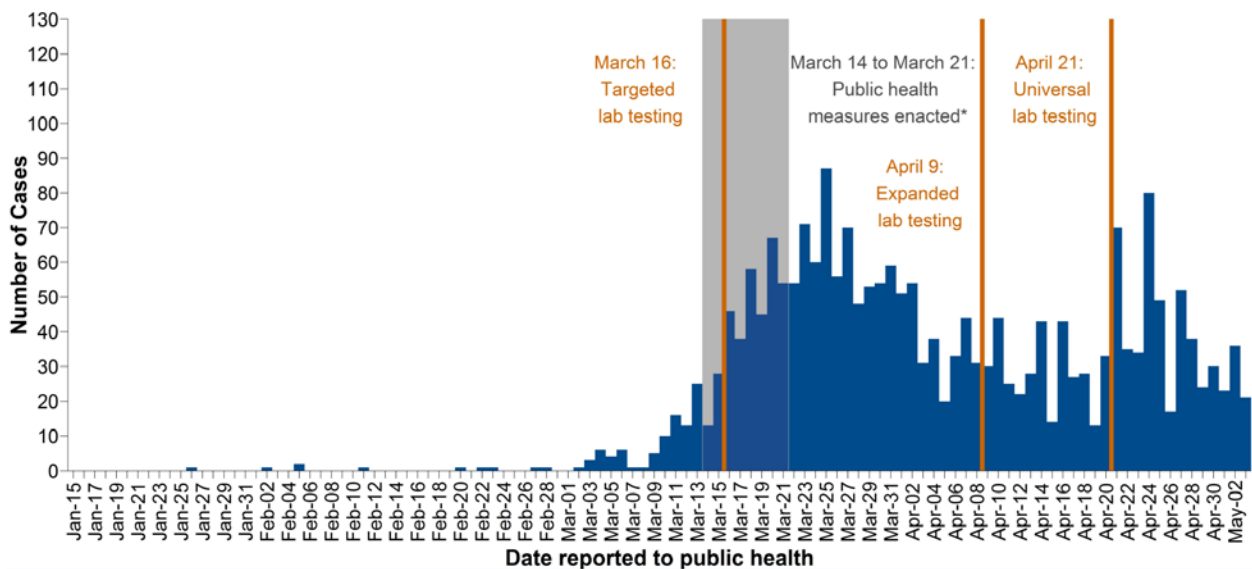
*All findings are based on laboratory-confirmed cases reported from Health Authorities to BCCDC as of 10:00 AM PT, except where otherwise noted. Data represent a subset of actual cases and are subject to change with changes in testing recommendations and practices, reconciliation and/or as data become more complete.

Figure 2: Epidemic curve, confirmed COVID-19 cases in BC by symptom onset date January 15-May 3, 2020 (N=2,025[†])



[†] Only cases with symptom onset dates reported are included; cases with symptom onset date on the same day as this report are excluded as only a portion are available at the time the data are extracted.

Figure 3: Epidemic curve, confirmed COVID-19 cases in BC by reported date January 15 – May 3, 2020 (N=2,223[‡])

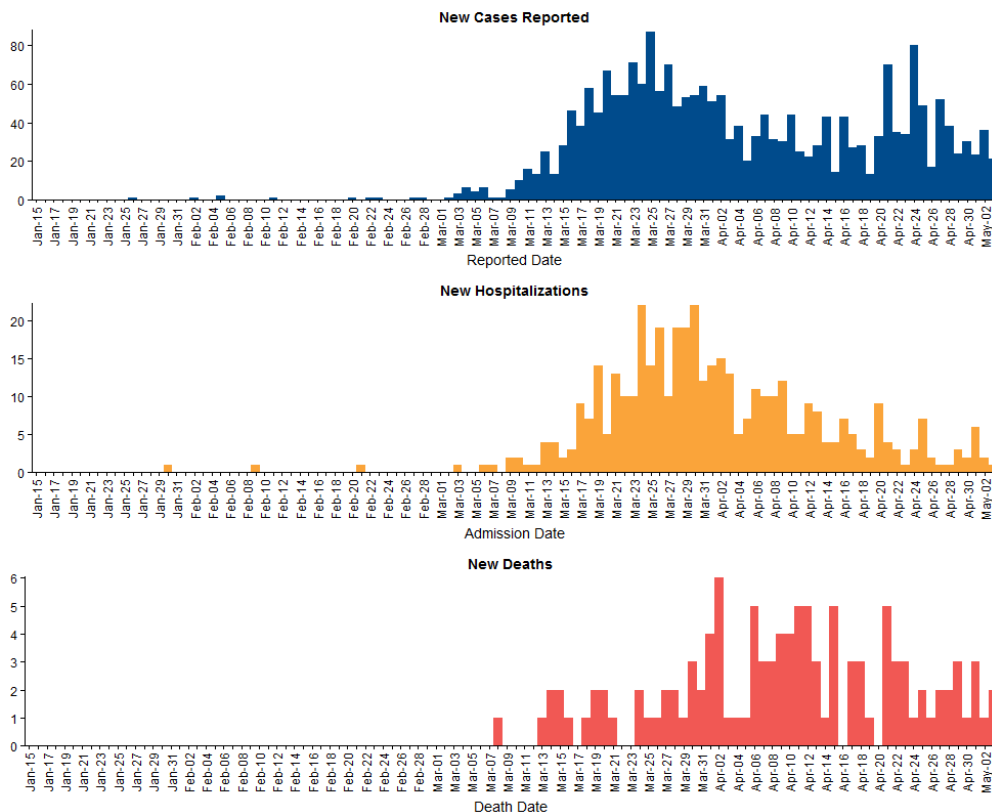


[‡] Cases reported on the same day as this report are excluded as only a portion are available at the time the data are extracted. The number of cases reported by day differs from that in Table 1 in previous reports as this figure reflects the date the case was lab-confirmed and reported to the Health Authority.

*A number of public health measures were enacted during the week shaded in grey. These include: March 14: Spring break started for most schools; March 16: Mass gatherings public health order implemented (>50 people), entry of foreign nationals banned, symptomatic individuals banned from flights to Canada, international flights restricted to four national airports; March 17: BC public health emergency declared, traveller self-isolation public health order implemented; March 18: Provincial state of emergency declared, food and drink service restrictions public health order implemented; March 20: US/Canada border closed to non-essential travel; March 21: closure of personal service establishments. Please refer to footnote in Figure 9 for laboratory testing criteria changes.

How to interpret the epidemic curves: Figure 2 shows the date that a case’s illness started. Figure 3 shows the date the illness was confirmed and reported by the laboratory. There is a delay between the beginning of a person’s illness (symptom onset date) and the date the laboratory confirms and reports the illness (reported date). New cases only have a reported date available and appear on the right of the curve in Figure 3, but their symptom onset would have occurred prior. As information on symptom onset becomes available through public health investigation, cases are expected to appear on earlier dates in Figure 2.

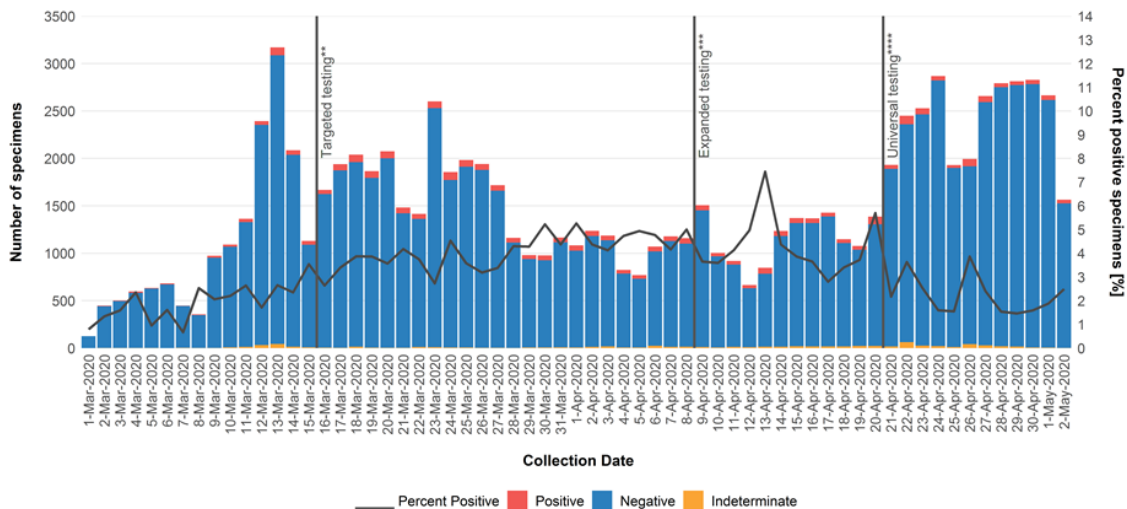
Figure 4. Number of new COVID-19 cases, hospital admissions and deaths by event date, BC, Jan 15 – May 3, 2020 (N=2,223*)



Data source: HA lab-confirmed case reports

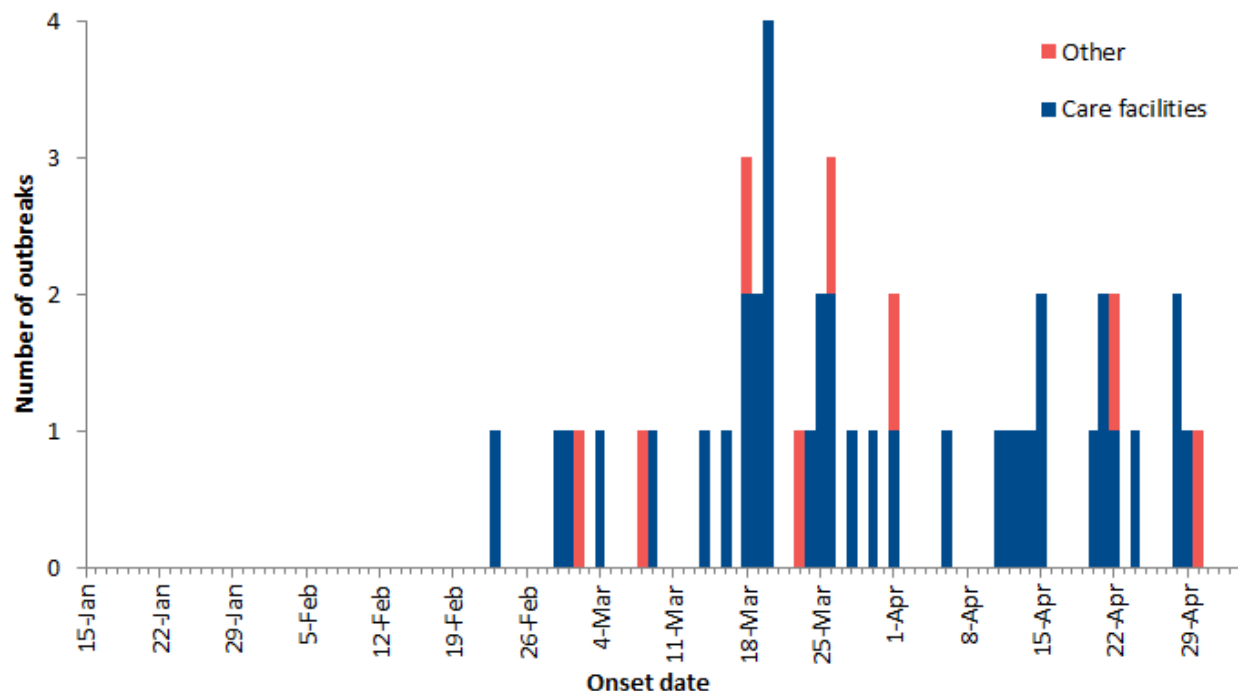
*Missing or invalid event dates excluded (n=2223 cases, 424 hospitalizations, and 114 deaths)

Figure 5: Number and proportion of SARS-CoV-2 positive respiratory specimens, BC, March 1 – May 2, 2020 (N=94,352; Positive=3.1%)



Data source: PLOVER extract on May 4, 2020. Methods and caveats: SARS-CoV-2 specimens are tallied at the specimen level by date the specimen was collected. The proportion positive on a given date may include new positive cases and retested positive cases; this may over-estimate proportionate positivity. Similarly, individuals may be tested repeatedly after becoming negative; this may under-estimate proportionate positivity. **As of March 16, testing guidelines included hospitalized patients, healthcare workers, long term care facility staff and residents, and those part of a cluster or outbreak who experienced respiratory symptoms. ***As of April 9, testing guidelines were expanded to include individuals with fever (>38°C) and cough or shortness of breath, including (a) residents of remote, isolated or Indigenous communities, (b) people living and working in congregate settings such as work-camps, correctional facilities, shelters, group homes, assisted living and seniors’ residences, (c) people who are homeless or have unstable housing, (d) essential service providers (e.g. first responders), or (e) returning travellers identified at a point of entry to Canada. In addition, health care providers can order a COVID-19 test for any patient based on their clinical judgment. ****As of Apr 21, the testing guidelines were further expanded to include all individuals with new respiratory or systemic symptoms compatible with COVID-19, however mild. Symptoms may include fever, chills, cough, shortness of breath, sore throat, odynophagia, rhinorrhea, nasal congestion, loss of sense of smell, headache, muscle aches, fatigue, or loss of appetite.

Figure 6: COVID-19 outbreaks* by earliest date, BC, January 15 – May 4, 2020 (N=46)**



* Care facility (acute/longterm care/independent living) outbreaks have at least one lab-confirmed COVID-19 staff or resident. Other outbreaks have two or more lab-confirmed COVID-19 cases diagnosed within a 14-day period in closed or common settings (e.g. penitentiary, shared living or work setting).

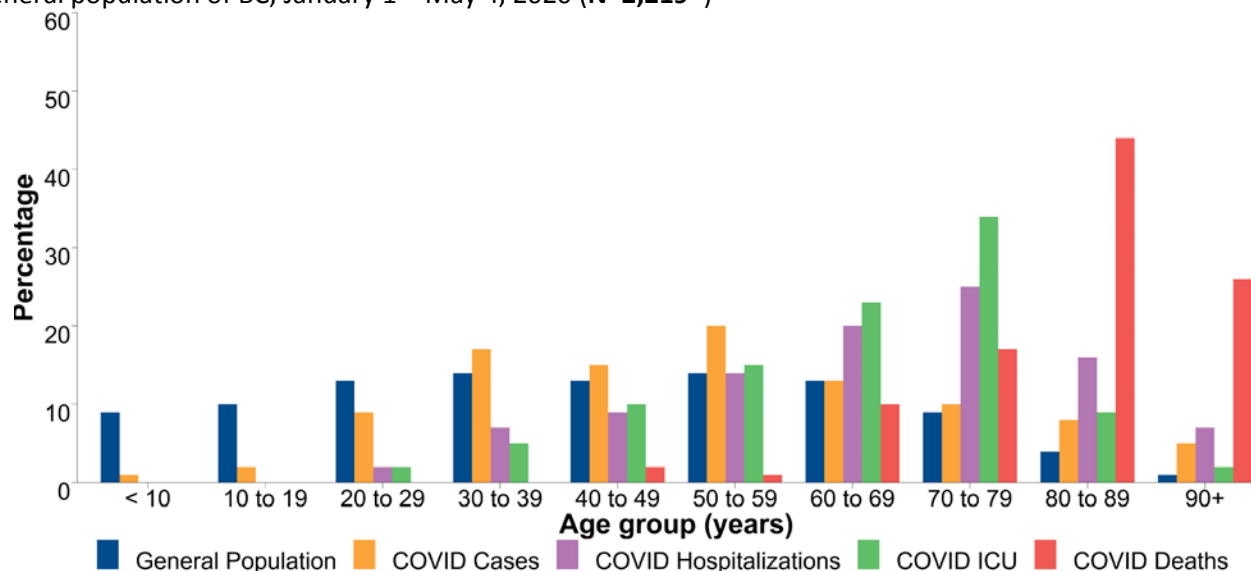
** Earliest date is date of onset of earliest case in the outbreak (or reported date of earliest case when onset is unavailable) or date outbreak was declared.

Table 2: Outbreak and case counts of reported COVID-19 reported outbreaks*, BC, January 15 – May 4, 2020 (N=46)

	Care facility	Other settings	Total
Outbreaks			
Total outbreaks	38	8	46
New since last report	0	1	1
Active outbreaks	23	6	29
Outbreaks declared over	15	2	17
Outbreak cases			
Total cases	434	356	790
Residents/patients	266	122	388
Staff/other	168	234	402
Total deaths	72	2	74
Residents/patients	72	1	73
Staff/other	0	1	1

* Care facility (acute/longterm care/independent living) outbreaks have at least one lab-confirmed COVID-19 staff or resident. Other outbreaks have two or more lab-confirmed COVID-19 cases diagnosed within a 14-day period in closed or common settings (e.g. penitentiary, shared living or work setting).

Figure 7: Percentage distribution of COVID-19 cases, hospitalization, ICU admissions and deaths by age, compared to the general population of BC, January 1 – May 4, 2020 (N=2,219*)



*Includes 2,219 cases, 456 hospitalizations, 166 ICU admissions, and 117 deceased with age information available.

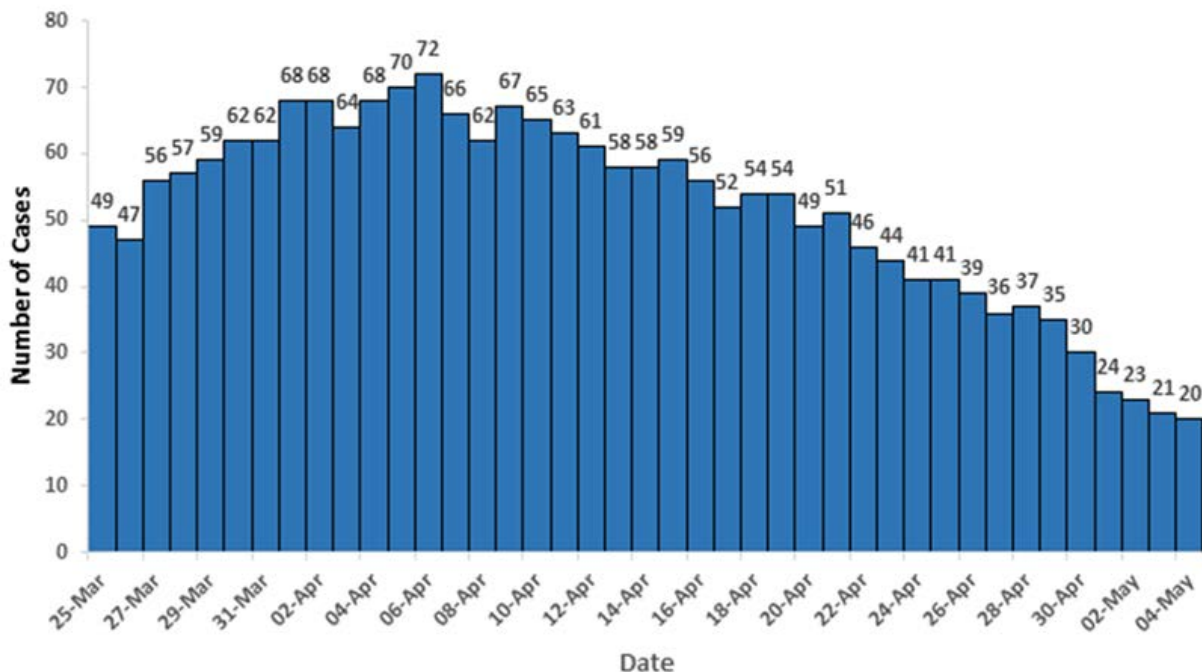
Note: COVID hospitalizations have been reported in the <10y and 10-19y age groups but represent <1% of hospitalizations and are therefore not visible.

Table 3: Number and percentage distribution of COVID-19 cases, hospitalization, ICU admissions and deaths by age, compared to the general population of BC, January 1 – May 4, 2020 (N=2,219*)

Age groups	COVID cases n (%)	Cases ever hospitalized n (%)	Cases ever in ICU n (%)	COVID deaths n (%)	General population n (%)
<10 Years	17 (1)	2 (<1)	0 (0)	0 (0)	468,280 (9)
10-19 Years	37 (2)	1 (<1)	0 (0)	0 (0)	507,197 (10)
20-29 Years	209 (9)	9 (2)	4 (2)	0 (0)	684,681 (13)
30-39 Years	383 (17)	30 (7)	8 (5)	0 (0)	730,523 (14)
40-49 Years	339 (15)	41 (9)	17 (10)	2 (2)	647,790 (13)
50-59 Years	437 (20)	64 (14)	25 (15)	1 (1)	721,355 (14)
60-69 Years	299 (13)	93 (20)	38 (23)	12 (10)	675,632 (13)
70-79 Years	211 (10)	112 (25)	56 (34)	20 (17)	436,179 (9)
80-89 Years	182 (8)	74 (16)	15 (9)	51 (44)	188,010 (4)
90+ Years	105 (5)	30 (7)	3 (2)	31 (26)	50,876 (1)
Total	2219	456	166	117	5,110,523

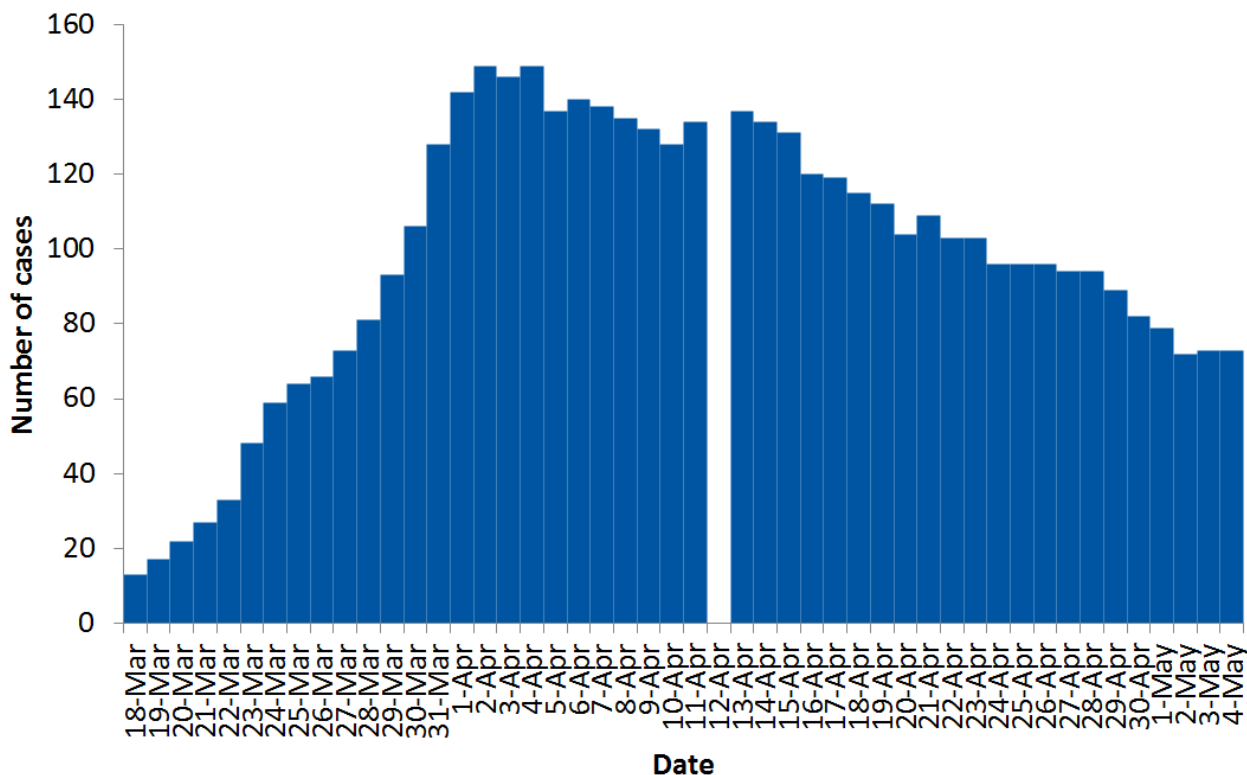
*Only cases with age information available are included.

Figure 8: Total positive COVID-19 cases in critical care by day, BC, March 25 – May 4, 2020



Data source: PHSA May 4. Note: critical care data may change over time due to small adjustments and improvements in data quality.

Figure 9: Number of confirmed COVID-19 cases in hospital by day, BC, March 18 – May 4, 2020



Data source: HA lab-confirmed case reports. Data available starting March 18 and not available for April 12.

Note: Hospitalization data may be incomplete or out of date (i.e., under-estimates) owing to the timing and process for case status update.