# British Columbia (BC) COVID-19 Situation Report Week 30: July 24- July 30, 2022

Data for week 30 (July 24 - July 30, 2022) may differ from the data published in the BCCDC weekly report. Data was extracted on August 08, 2022 for this situation report compared to August 10, 2022 for the latest weekly report.

Table of Contents	
COVID-19 case counts and epidemic curve	<u>3</u>
Testing rates and percent positivity	<u>4</u>
Age profile, testing and cases	<u>5</u>
Severe outcomes	<u>6</u>
Age profile, severe outcomes	<u>7</u>
Care facility outbreaks	<u>9</u>
Wastewater surveillance	<u>10</u>
Additional resources	<u>11</u>

## **Report Summary**

Due to changes in testing strategies in BC, current case counts are an underestimate of the true number of COVID-19 cases in BC. This underestimation has increased compared to the period prior to the emergence of the Omicron variant in BC. The provincial incidence by episode date was 18 per 100K (973 cases) in week 30, which remained stable at 18 per 100K in week 29.

Incidence by Health Authority from week 29 to week 30:

- Fraser Health incidence increased from 17 to 19 per 100K
- Interior Health incidence remained stable at 20 and 21 per 100K
- Vancouver Island Health incidence remained stable at 17 per 100K
- Northern Health incidence remained stable at 19 per 100K
- Vancouver Coastal Health incidence remained stable at 17 and 18 per 100K

Testing of MSP-funded specimens decreased from  $\sim$ 5,200 in week 29 to  $\sim$ 5,000 in week 30, and the percent positivity of MSP-funded specimens increased from at 20.5% in week 29 to 22.2 % in week 30.

The per capita testing rates for MSP-funded specimens between week 29 and week 30 decreased in all age groups except in the 5-9, 15-19, and 80+ year-olds, where the testing rates increased from 26 per 100K in week 29 to 30 per 100K in week 30, from 28 per 100K in week 29 to 33 per 100K in week 30, and from 446 per 100K in week 29 to 460 per 100K in week 30, respectively. Percent positivity increased or remained stable in all age groups.

Age-specific incidence rates between week 29 and week 30 decreased or remained stable in all age groups except for 10-14, 20-29, 40-49, and 80+ year-olds. Incidence rates increased the most in the 80+ year-olds from 94 per 100K in week 29 to 115 per 100K in week 30.

The number of people in hospital with a positive COVID-19 decreased from 286 in week 29 to 256 in week 30. The number of people in critical care decreased from 46 in week 29 to 36 in week 30. In week 30, 60+ year-olds had the highest number of people in hospital with a positive COVID-19 test, with 92 hospitalizations in 60-79 year-olds and 106 hospitalizations in 80+ year-olds. In week 30, 60-79 year-olds had the highest number of people in critical care (21 critical care admissions).

The weekly number of deaths from any cause among people testing positive for COVID-19 increased from 32 in week 29 to 51 in week 30. In week 30, 80+ year-olds had the highest number of deaths from any cause among people testing positive for COVID-19, with 35 deaths in this age group. From week 14 to week 24 where the UCD has been reported for at least 95% of the post-transition deaths, an average of 43% of these death were reported to have COVID-19 as their UCD.

In week 30, based on earliest symptom onset date (if unavailable, then outbreak declared date is used), 2 new care facility outbreaks were declared.

#### BELOW ARE IMPORTANT NOTES relevant to the interpretation of cases, hospitalizations, and deaths:

- Due to changes in testing strategies in BC in 2022 focusing on targeted higher risk populations, current case counts are an underestimate of the true number of COVID-19 cases in BC. This underestimation has increased compared to the period prior to the emergence of the Omicron variant in BC.
- Hospital data include admissions for people who test positive for COVID-19 through hospital screening practices, regardless of the reason for admission. Therefore, reported hospitalizations overestimate the true number of people who are hospitalized specifically due to COVID-19 infection.
- Pre-transition (case line list) deaths include COVID-19 related deaths reported by Health Authorities up to April 1, 2022. As of April 2, 2022, post-transition (automated linkage) deaths include people who died from any cause recorded in Vital Statistics within 30 days of their first positive COVID-19 lab result date. Deaths reported after the system transition use a broader definition and will overestimate the true number of deaths due to COVID-19 since death registration is recorded before the underlying cause of death is determined. Due to the change in data source for death data, the number of pre-transition deaths should not be compared to the number of post-transition deaths.

### BELOW ARE IMPORTANT NOTES relevant to the interpretation of data displayed in this bulletin:

- Cases include lab confirmed, lab probable, and epi-linked cases. Case definition can be found at <a href="http://www.bccdc.ca/health-professionals/clinical-resources/case-definitions/covid-19-(novel-coronavirus">http://www.bccdc.ca/health-professionals/clinical-resources/case-definitions/covid-19-(novel-coronavirus)</a>. Cases include those reported in Health Authority case line lists and positive laboratory results in the Provincial Laboratory Information Solution (PLIS) up to April 1, 2022. As of April 2, 2022, only positive laboratory results in the PLIS are included and cases who are residents from outside of BC are not included.
- Episode date is defined by date of illness onset when available. When illness onset date is unavailable, earliest laboratory date is used (collection or result date); if also unavailable, then public health case report date is used. As of April 2, 2022, episode date reflects earliest laboratory date (collection or result date) only. Analyses based on episode date may better represent the timing of epidemic evolution. Episode-based tallies for recent weeks are expected to increase as case data are more complete.
- Surveillance date is defined by lab result date, if unavailable, then public health case report date is used. As of April 2, 2022, surveillance date reflects lab result date only. The weekly tally by surveillance date includes cases with illness onset date in preceding weeks.
- Hospitalizations include those reported by Health Authorities up to April 1, 2022. As of April 2, 2022, hospitalizations are
  defined as individuals who test positive for COVID-19 and are hospitalized as recorded in the PHSA Provincial COVID-19
  Monitoring Solution (PCMS). Hospitalizations for individuals 0-19 years-old are reported by linked hospitalization episodes
  from the PCMS since the beginning of the pandemic. Episode date for hospitalization is defined by admission date, if
  unavailable, surveillance date is used.
- Critical care admissions (HAU, ICU, and critical care surge beds) include individuals who test positive for COVID-19 and are
  in critical care admission as recorded in the PCMS. Episode date for critical care admission is defined by critical care
  admission date, if unavailable, surveillance date is used. Previously only ICU admissions were presented in this report.
  Critical care admissions comprises a broader category than ICU admissions and therefore, the number of critical care
  admissions should not be compared to number of ICU admissions from previous weeks.
- Deaths include COVID-19 related deaths reported by Health Authorities up to April 1, 2022. As of April 2, 2022, deaths are any COVID-19 lab positive cases who died from any cause recorded in Vital Statistics within 30 days of their first positive lab result date. Episode date for death is defined by death date, if unavailable, surveillance date is used.
- As of April 2, 2022, data on Health Authority outbreaks are compiled from outbreak files provided by the Health Authorities.
- Laboratory PLOVER data include Medical Service Plan (MSP) funded (e.g. clinical diagnostic tests) and non-MSP funded (e.g. screening tests) specimens.
- Per capita rates/incidences for year 2020 are based on Population Estimates 2020 (n= 5,147,772 for BC overall), for year 2021 are based on PEOPLE 2021 estimates (n= 5,194,137 for BC overall), and for year 2022 is based on PEOPLE 2021 estimates (n= 5,263,772 for BC overall).
- Data sources include Health Authority case line lists, PHSA Provincial COVID-19 Monitoring Solution (PCMS), Vital Statistics, laboratory PLOVER data, and aggregate outbreak files from Health Authorities.
- Integrated case data (including surveillance variables created using Health Authority case line lists, PCMS, and Vital Statistics) were extracted on August 08, 2022, laboratory PLOVER data on August 04, 2022, and Health Authority outbreak files on August 03, 2022.

## A. COVID-19 case counts and epidemic curve

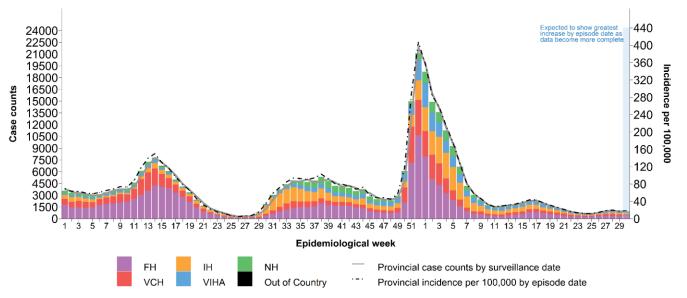
Due to changes in testing strategies in BC in 2022 focusing on targeted higher risk populations, current case counts are an underestimate of the true number of COVID-19 cases in BC. This underestimation has increased compared to the period prior to the emergence of the Omicron variant in BC. Up to week 30, there have been 379,338 cases for a cumulative incidence of 7,207 per 100K (Table 1, Figure 1). The provincial incidence by episode date was 18 per 100K (973 cases) in week 30, which was stable compared to week 29.

Incidence rates from week 29 to week 30 remained stable in all HAs except in Fraser Health (FH), where the incidence rate increased from 17 per 100K in week 29 to 19 per 100K in week 30. In week 30, the highest incidence rate was in Interior Health (IH) at 21 per 100K. Incidence by episode date may increase as data become more complete in recent weeks.

Table 1. Episode-based case tallies by Health Authority, BC, Jan 15, 2020 (week 3) – Jul 30, 2022 (week 30) (N= 379,338)

Case tallies by episode date		Health Aut	Outside	Total			
	FH	IH	VIHA	NH	VCH	Canada	IOtal
Week 30, case counts	368	170	152	57	226	0	973
Cumulative case counts	166,877	67,421	37,326	30,713	76,610	391	379,338
Week 30, cases per 100K population	19	21	17	19	18	NA	18
Cumulative cases per 100K population	8,398	8,138	4,241	10,034	6,071	NA	7,207

Figure 1. Episode-based epidemic curve (bars), surveillance date (line) and Health Authority (HA), BC Jan 3, 2021 (week 1) – Jul 30, 2022 (week 30) (N= 323,488)



## B. Test rates and percent positive

<u>COVID-19 testing guidelines</u> recommend testing for people who have COVID-19 symptoms and are at risk of more severe disease. As shown by the darker-colored bars and dotted line in <u>Figure 2</u>, the number of MSP-funded specimens decreased from ~5,200 in week 29 to ~5,000 in week 30, and the percent positivity of MSP-funded specimens increased from at 20.5% in week 29 to 22.2 % in week 30.

As shown by the dotted lines in Figure 3, the per capita testing rates for MSP-funded specimens (Panel A) decreased or remained stable in all HAs except in Northern Health (NH), where it increased from 95 per 100K in week 29 to 103 per 100K in week 30. In week 30, NH had the highest testing rate at 103 per 100K. The percent positivity (Panel B) for MSP-funded specimens decreased or remained stable in all HAs except for FH and IH, where the percent positivity increased from 21.7% in week 29 to 25.3% in week 30 and from 23.0% in week 29 to 25.4% in week 30, respectively. In week 30, percent positivity ranged from 20.0% in NH to 25.4% in IH.

Figure 2. Number of specimens tested and percent SARS-CoV-2 positive, by collection week, BC Jan 3, 2021 (week 1) – Jul 30, 2022 (week 30)

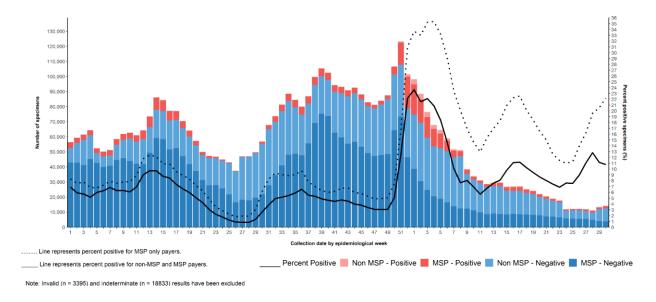
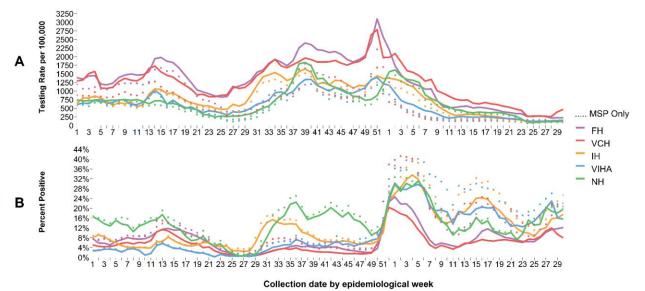


Figure 3. Testing rates and percent SARS-CoV-2 positive by Health Authority and collection week, BC Jan 3, 2021 (week 1) – Jul 30, 2022 (week 30)



Data source: Laboratory PLOVER data

## C. Age profile, testing and cases

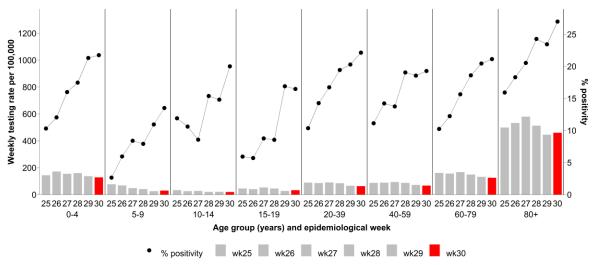
#### Testing rates and percent positivity by age group

As shown by the bars in Figure 4, the per capita testing rates for MSP-funded specimens between week 29 and week 30 decreased in all age groups except in the 5-9, 15-19, and 80+ year-olds, where the testing rates increased from 26 per 100K in week 29 to 30 per 100K in week 30, from 28 per 100K in week 29 to 33 per 100K in week 30, and from 446 per 100K in week 29 to 460 per 100K in week 30, respectively. As shown by the black dots in Figure 4, percent positivity between week 29 and week 30 increased or remained stable in all age groups. Percent positivity increased the most in 10-14 year-olds, where it increased from 14.8% in week 29 to 20.0% in week 30, though there was drop in testing rate for this age group. In week 30, percent positivity ranged from 13.5% in 5-9 year-olds to 27.0% in 80+ year-olds.

#### Case distribution and weekly incidence by age group

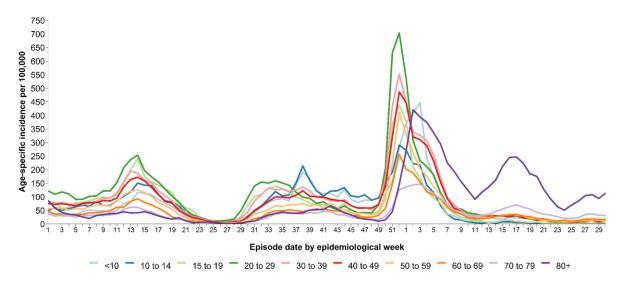
As shown in <u>Figure 5</u>, age-specific incidence rates between week 29 and week 30 decreased or remained stable in all age groups except for 10-14, 20-29, 40-49, and 80+ year-olds. Incidence rates increased the most in the 80+ year-olds from 94 per 100K in week 29 to 115 per 100K in week 30.

Figure 4. Average weekly SARS-CoV-2 MSP testing rates and MSP percent positive by known age group, BC Jun 25, 2022 (week 25) – Jul 30, 2022 (week 30)



Data source: Laboratory PLOVER data

Figure 5. Weekly age-specific COVID-19 incidence per 100K population by epidemiological week, BC Jan 3, 2021 (week 1) – Jul 30, 2022 (week 30) (N= 323,396)



#### D. Severe outcomes

Hospital data include admissions for people who test positive for COVID-19 through hospital screening practices, regardless of the reason for admission. Therefore, reported hospitalizations overestimate the true number of people who are hospitalized specifically due to COVID-19 infection. The number of people in hospital with a positive COVID-19 test decreased from 286 in week 29 to 256 in week 30. The number of people in critical care decreased from 46 in week 29 to 36 in week 30.

As of April 2, 2022, death data include people who test positive for COVID-19 and died from any cause (COVID-19 or non-COVID-19) within 30 days of their first positive lab result date. The weekly number of deaths from any cause among people testing positive for COVID-19 increased from 32 in week 29 to 51 in week 30 (Table 2).

Cumulatively, there have been 32 confirmed cases of <u>Multi-system Inflammatory Syndrome in children and adolescents (MIS-C)</u> in BC since January 1, 2020. There have been no new confirmed cases of MIS-C since the last report. The median age of all cases is 9 years old (range from 4 months old to 16 years old).

Table 2. COVID-19 severe outcomes by episode date, Health Authority of residence, BC Jan 15, 2020 (week 3) – Jul 30, 2022 (week 30)

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Severe outcomes by episode date	FH	IH	VIHA	NH	VCH	outside of Canada	Total n/N <sup>a</sup> (%)	
Week 30, hospitalizations	101	36	48	6	65	0	256	
Cumulative hospitalizations	11,996	4,344	2,580	2,125	5,211	17	26,273/379,338 (7)	
Week 30, critical care admissions <sup>b</sup>	17	7	5	0	7	0	36	
Cumulative critical care admissions <sup>b</sup>	2,503	1,002	421	795	1,117	4	5,842/379,338 (2)	
Week 30, deaths	21	8	7	3	12	0	51	
Cumulative deaths, pre-transition (case line list) <sup>c</sup>	1,348	367	241	330	716	0	3,002/356,516 (1)	
Cumulative deaths, post-transition (automated linkage) <sup>c</sup>	339	198	179	37	209	0	962/22,822 (4)	

- a. Cases with unknown outcome are included in the denominators (i.e. assumed not to have the specified severe outcome).
- b. Due to the change in data source for hospitalization data, ICU admissions are no longer available. Critical care admissions are now being provided, which comprises a broader category than ICU admissions (please see Important Notes on Page 2 for more information). Number of critical care admissions should not be compared to number of ICU admissions from previous weeks.
- c. Pre-transition (case line list) deaths include COVID-19 related deaths reported by Health Authorities up to April 1, 2022. As of April 2, 2022, post-transition (automated linkage) deaths are any COVID-19 lab positive cases who died from any cause recorded in Vital Statistics within 30 days of their first positive lab result date. Deaths reported after the system transition use a broader definition and will overestimate the true number of deaths due to COVID-19 since death registration is recorded before the underlying cause of death is determined. Due to the change in data source for death data, the number of pre-transition deaths should not be compared to the number of post-transition deaths.

## E. Age profile, severe outcomes

<u>Table 3</u> displays the distribution of cases and severe outcomes. In week 30, median age of hospital admissions, critical care admissions, pre-transition deaths, and post-transition deaths with underlying cause of death (UCD) as COVID-19 was 67 years, 63 years, 82 years, and 85 years, respectively.

In week 30, 60+ year-olds had the highest number of people in hospital with a positive COVID-19 test, with 92 hospitalizations in 60-79 year-olds and 106 hospitalizations in 80+ year-olds. In week 30, 60-79 year-olds had the highest number of people in critical care (21 critical care admissions). In week 30, 80+ year-olds had the highest number of deaths from any cause among people testing positive for COVID-19, with 35 deaths in this age group (Figure 6).

In the past four weeks (from week 27 to week 30), there has been a weekly average of 3 deaths in those <60 years of age, 4 deaths in 60-69 year-olds, 10 deaths in 70-79 year-olds and 23 deaths in the 80+ year-olds (data not shown). The number of deaths may increase over time as data becomes more complete.

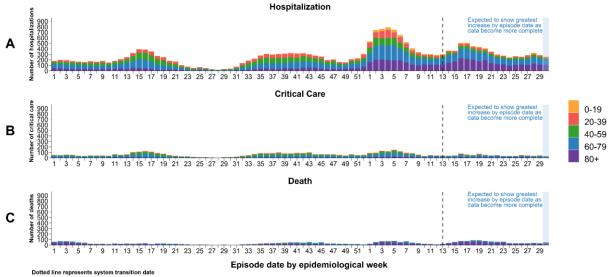
Table 3: COVID-19 cases, hospitalizations, critical care admissions, and deaths by age group, BC, Jan 15, 2020 (week 3) – Jul 30, 2022 (week 30) (N= 379,307)<sup>a</sup>

		Hospitalizations n (%)	Critical care admissions <sup>b</sup> n (%)	<b>Pre-transition</b>	Post-transition (automated linkage) deaths <sup>c</sup>				
Age group (years)	Cases			(case line list) deaths <sup>c</sup> n (%)	UCD as COVID-19 <sup>d</sup> n (%)	COVID-19 <sup>d</sup> n non-COVID-19 <sup>d</sup>			
<10	30,866	559 (2)	69 (<1)	2 (<1)	1 (<1)	2 (<1)	1 (<1)		
10-19	35,809	356 (1)	52 (<1)	0 (<1)	0 (<1)	2 (<1)	0 (<1)		
20-29	73,445	1,372 (2)	206 (<1)	6 (<1)	1 (<1)	6 (<1)	1 (<1)		
30-39	70,387	2,347 (3)	433 (1)	31 (<1)	1 (<1)	7 (<1)	0 (<1)		
40-49	54,369	2,241 (4)	578 (1)	64 (<1)	1 (<1)	8 (<1)	0 (<1)		
50-59	44,268	3,176 (7)	1,064 (2)	166 (<1)	3 (<1)	24 (1)	7 (<1)		
60-69	30,777	4,362 (14)	1,442 (5)	353 (1)	30 (1)	46 (2)	10 (<1)		
70-79	18,238	5,124 (28)	1,322 (7)	655 (4)	73 (2)	113 (3)	22 (1)		
80-89	13,772	4,731 (34)	592 (4)	989 (10)	127 (3)	155 (4)	40 (1)		
90+	7,376	2,005 (27)	84 (1)	736 (15)	126 (5)	128 (5)	27 (1)		
Total	379,307	26,273	5,842	3,002	363	491	108		
Median age	36	67	63	82	85	82	84		

- a. Among those with available age information only.
- b. Due to the change in data source for hospitalization data, ICU admissions are no longer available. Critical care admissions are now being provided, which comprises a broader category than ICU admissions (please see Important Notes on Page 2 for more information). Number of critical care admissions should not be compared to number of ICU admissions from previous weeks.
- c. Pre-transition (case line list) deaths include COVID-19 related deaths reported by Health Authorities up to April 1, 2022. As of April 2, 2022, post-transition (automated linkage) deaths are any COVID-19 lab positive cases who died from any cause recorded in Vital Statistics within 30 days of their first positive lab result date. Deaths reported after the system transition use a broader definition and will overestimate the true number of deaths due to COVID-19 since death registration is recorded before the underlying cause of death is determined. Due to the change in data source for death data, the number of pre-transition deaths should not be compared to the number of post-transition deaths.
- d. Since underlying cause of death (UCD) takes approximately 8 weeks to be recorded, all-cause mortality is initially reported and then retrospective evaluations of underlying cause of death are provided here to better understand true COVID-19 mortality. UCD as COVID-19 are deaths that have been determined to be caused by COVID-19 in their Vital Stats record. UCD as non-COVID-19 are deaths that have been determined to be not attributable to COVID-19 in their Vital Stats record that are reported as deaths due to a lab positive COVID-19 test within 30 days of death. UCD pending are all post-transition deaths that do not yet have a recorded UCD.

**Provincial Health Services Authority** 

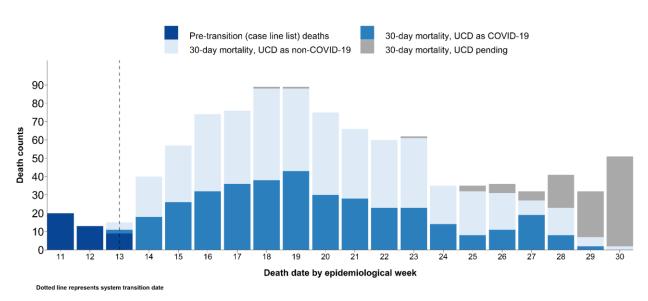
Figure 6. Weekly COVID-19 hospital admissions (A), critical care admissions (B), and deaths (C) by age groups, BC, Jan 3, 2021 (week 1) - Jul 30, 2022 (week 30)<sup>a</sup>



Among those with available age information only.

Figure 7 displays the number of pre-transition deaths and post-transition deaths (i.e. people who test positive for COVID-19 and died from any cause within 30 days of their first positive lab result date) by underlying cause of death as recorded in Vital Statistics from week 11 to week 30 in 2022. From week 14 to week 24 where the UCD has been reported for at least 95% of the post-transition deaths, an average of 43% of these deaths were reported to have COVID-19 as their UCD. Posttransition deaths with complete UCD are expected to increase over time.

Figure 7. Pre- and post-transition deaths by underlying cause of death, BC, Mar 13, 2022 (week 11) – Jul 30, 2022 (week 30)a,b



- Pre-transition (case line list) deaths include COVID-19 related deaths reported by Health Authorities up to April 1, 2022. As of April 2, 2022, posttransition (automated linkage) deaths are any COVID-19 lab positive cases who died from any cause recorded in Vital Statistics within 30 days of their first positive lab result date. Deaths reported after the system transition use a broader definition and will overestimate the true number of deaths due to COVID-19 since death registration is recorded before the underlying cause of death is determined. Due to the change in data source for death data, the number of pre-transition deaths should not be compared to the number of post-transition deaths.
- Since underlying cause of death (UCD) takes approximately 8 weeks to be recorded, all-cause mortality is initially reported and then retrospective evaluations of underlying cause of death are provided here to better understand true COVID-19 mortality. UCD as COVID-19 are deaths that have been determined to be caused by COVID-19 in their Vital Stats record. UCD as non-COVID-19 are deaths that have been determined to be not attributable to COVID-19 in their Vital Stats record that are reported as deaths due to a lab positive COVID-19 test within 30 days of death. UCD pending are all posttransition deaths that do not yet have a recorded UCD.

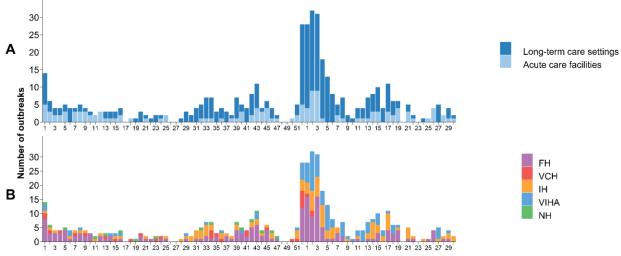
# F. Care facility outbreaks

As shown in <u>Table 4</u> and <u>Figure 8</u>, 693 care facility (acute care and long-term care settings) outbreaks were reported in total in BC to the end of week 30. In week 30, based on earliest symptom onset date (if unavailable, then outbreak declared date is used), 2 new care facility outbreaks were declared (1 in long-term care and 1 in acute care). In the past four weeks (from week 27 to week 30), there has been a weekly average of 3 care facility outbreaks.

Table 4. COVID-19 care facility<sup>a</sup> outbreaks by earliest case onset<sup>b,c</sup>, associated cases and deaths by episode date, BC Jan 15, 2020 (week 3) – Jul 30, 2022 (week 30) (N=693)<sup>d,e</sup>

Care facility outbreaks and cases by episode date	Outbreaks		Cases		Deaths		
		Residents	Staff/other	Total	Residents	Staff/other	Total
Week 30, Care Facility Outbreaks	2	15	8	23	0	0	0
Cumulative, Care Facility Outbreaks	693	9,798	3,825	13,623	1,453	0	1,453

Figure 8. COVID-19 care facility <sup>a</sup>, outbreaks by earliest case onset<sup>b,c</sup>, facility type (A) and Health Authority (B), BC Jan 3, 2021 (week 1) – Jul 30, 2022 (week 30) (N=442)<sup>d,e</sup>



#### Earliest onset date by epidemiological week

- a. Case and death counts include PCR positive cases only for outbreaks in NHA and VIHA. Vancouver Coastal Health, Fraser Health Authority, and Interior Health Authority outbreaks may also include those diagnosed by rapid antigen tests or considered as susepct reinfection.
- b. Earliest dates of onset of outbreak cases are subject to change as investigations and data are updated. If unavailable, outbreak declared date is used.
- c. New outbreaks reported since the last report with an earliest case onset date (if unavailable, outbreak declared date is used) prior to the current reporting week will be included in the cumulative care facility outbreak total.
- d. Cases with unknown role are included in the case count for Staff/other.
- e. Data might be incomplete or vary from what was reported previously due to updates by Health Authorities.

#### G. Wastewater surveillance

The BCCDC and Metro Vancouver measure SARS-CoV-2 in wastewater at five wastewater treatment plants (treating wastewater from 50% of BC's population). To account for changing wastewater volume due to rainfall or snowmelt, SARS-CoV-2 concentrations are normalized to wastewater flow. Normalized SARS-CoV-2 wastewater levels (measured as viral copies per day) are shown alongside incident COVID-19 cases in each wastewater catchment area in <a href="Figure 9">Figure 9</a> and <a href="Figure 10">Figure 9</a> and <a href="Figure 10">Figure 10</a>. The BCCDC's test results are obtained from the liquid fraction of the wastewater sample. Other organizations, such as the National Microbiology Laboratory, test from the solid fraction of wastewater and therefore, their results are not directly comparable.

Key messages with results through to August 6, 2022:

- Though there continues to be week-to-week variability, SARS-CoV-2 viral loads generally continue to decrease from their most recent peak in late-June or early-July in Metro Vancouver wastewater. The increases noted last week in Fraser Health wastewater plants have not been sustained.
- Over the past week, viral loads at Annacis Island WWTP (Fraser North and South) have decreased by 24%.
- Over the past week, viral loads at Northwest Langley WWTP (Northwest Langley) have decreased by 21%.
- Over the past week, viral loads at Iona Island WWTP (Vancouver) have decreased by 23%.
- Over the past four weeks, viral loads at Lulu Island WWTP (Richmond) have decreased by 47%.
- Over the past week, viral loads at Lions Gate WWTP (North Shore) have increased by 46%.

Figure 9. Wastewater surveillance, FH

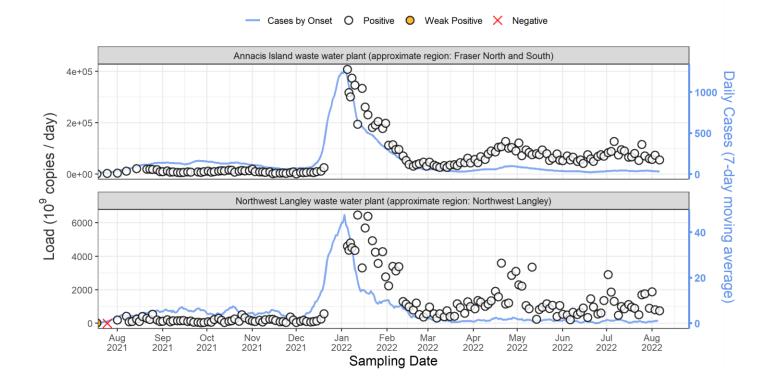
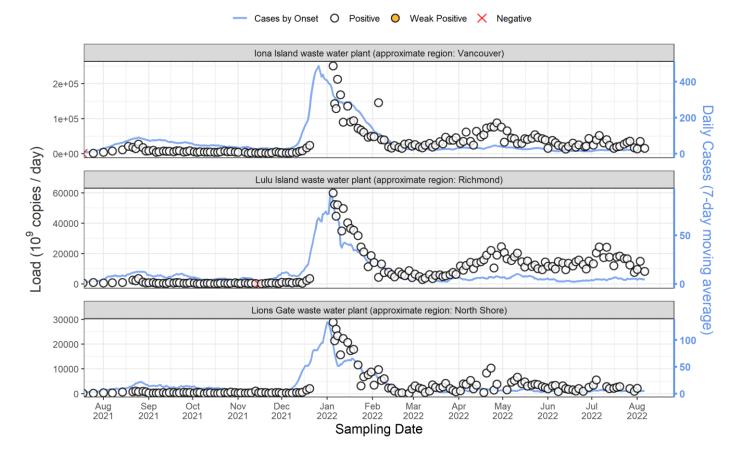


Figure 10. Wastewater surveillance, VCH



#### H. Additional resources

For COVID-19 vaccination coverage data, visit the COVID-19 Vaccination Coverage Dashboard here: <a href="http://www.bccdc.ca/health-professionals/data-reports/covid-19-surveillance-dashboard">http://www.bccdc.ca/health-professionals/data-reports/covid-19-surveillance-dashboard</a>

Variant of concern (VOC) findings are available weekly here: <a href="http://www.bccdc.ca/health-info/diseases-conditions/covid-19/data#variants">http://www.bccdc.ca/health-info/diseases-conditions/covid-19/data#variants</a>

For local, national, and global comparisons of BC to other jurisdictions on key epidemiological metrics, visit the BCCDC COVID-19 Epidemiology App here: <a href="https://bccdc.shinyapps.io/covid19\_global\_epi\_app/">https://bccdc.shinyapps.io/covid19\_global\_epi\_app/</a>

BC's COVID-19 Immunization Plan is updated regularly here: https://www2.gov.bc.ca/gov/content/covid-19/vaccine/plan