

COVID-19 Update

November 4, 2021



Stay Informed Via These Resources:

gov.bc.ca/Covid-19 | bccdc.ca | 1-888-COVID19

Symptom Self-Assessment:

covid19.thrive.health

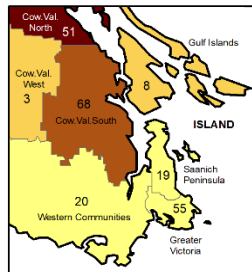


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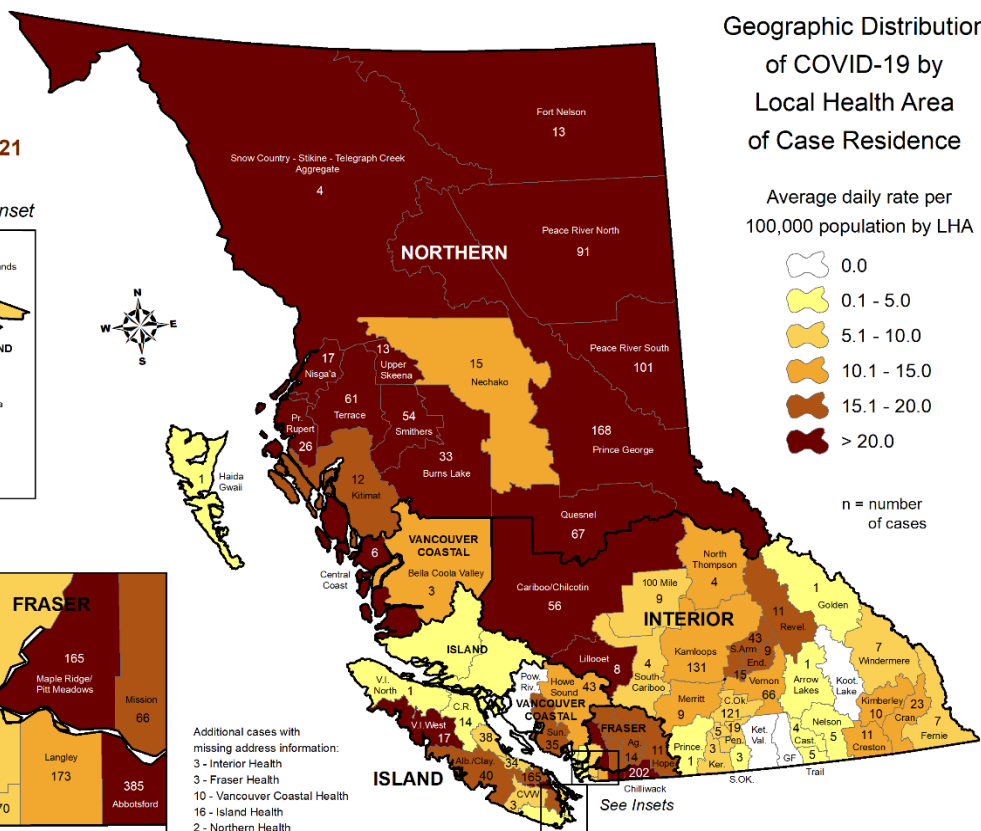
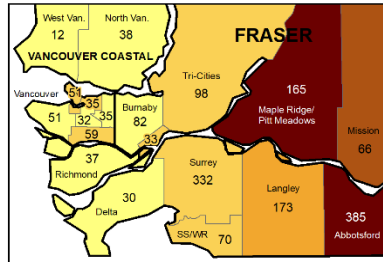
Geographic distribution of COVID-19 case rates by local health area of residence, Oct 24 to 30, 2021

Epi-Week 43 Cases October 24 to 30, 2021

South Vancouver Island Inset



Greater Vancouver Inset



Notes: Cases are mapped by location of residence; cases with unknown residence and from out of province are not mapped. Data source: Public Health Reporting Data Warehouse (PHRDW) integrated COVID dataset; we operate in a live database environment and case information from the health authorities are updated as it becomes available. How to interpret the maps: The map illustrates the geographic distribution of reported cases for the most recent epidemiological week (from Sunday to Saturday). Local Health Areas (LHA) with higher rates are illustrated in darker colour shading. The number of reported cases appears in each LHA. Note that the number of cases in the LHA may not represent the location of exposure (e.g. people who acquired disease while traveling or working elsewhere), and that not all COVID-19 infected individuals are tested and reported; the virus may be circulating undetected in the community, including in areas where no cases have been identified by public health. Map created November 3, 2021 by BCCDC for public release.

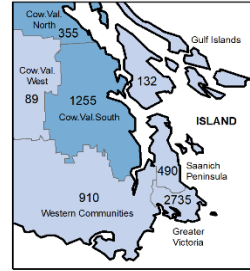
Geographic distribution of COVID-19 cumulative case rate by local health area of residence

1 Jan 2020 – 31 Oct 2021

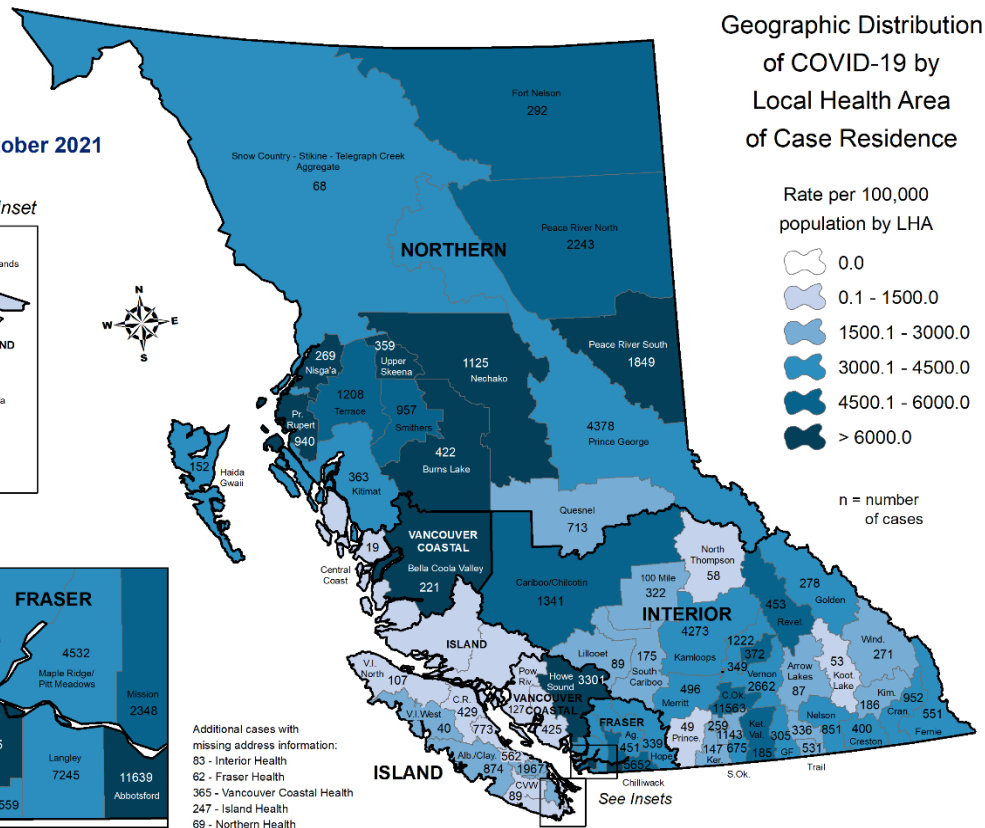
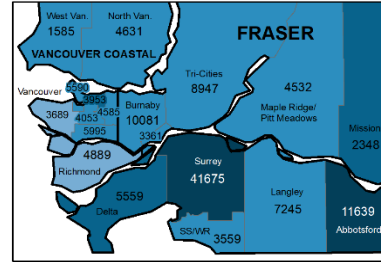
Geographic Distribution of COVID-19 by Local Health Area of Case Residence

Cumulative Cases January 2020 to October 2021

South Vancouver Island Inset



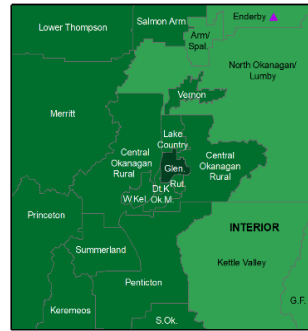
Greater Vancouver Inset



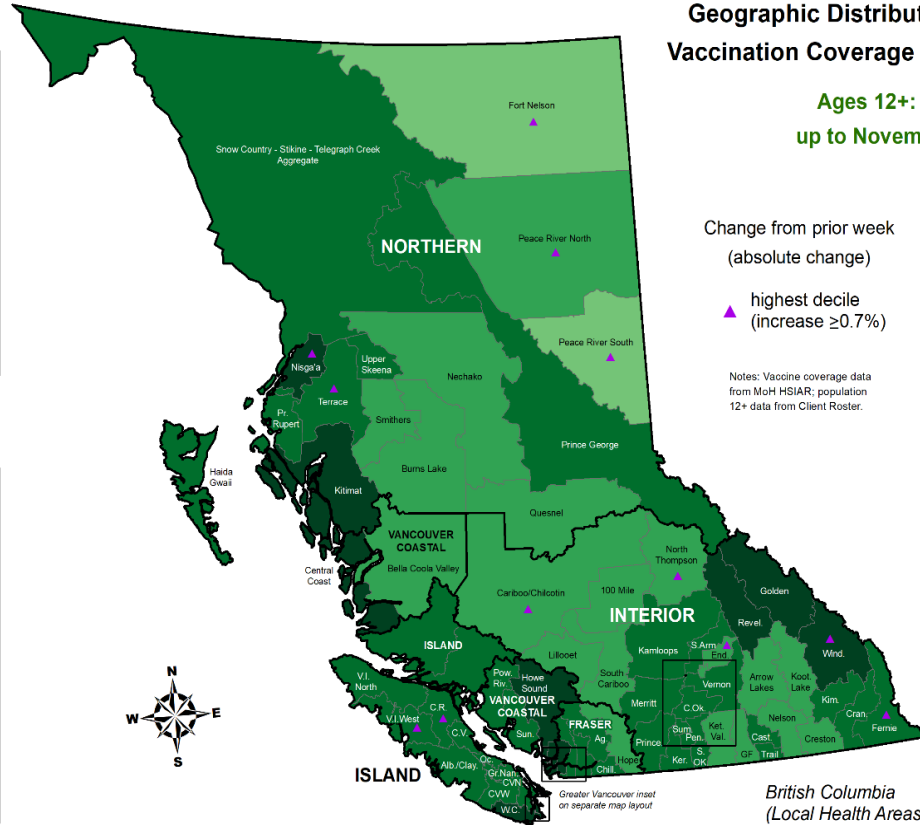
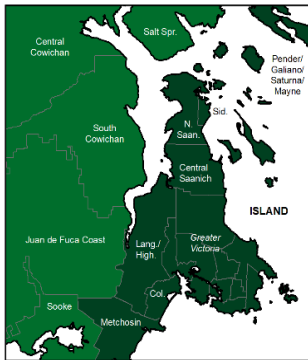
Notes: Cases are mapped by location of residence; cases with unknown residence and from out of province are not mapped. Data source: Public Health Reporting Data Warehouse (PHRDW) integrated COVID dataset; we operate in a live database environment and case information from the health authorities are updated as it becomes available. How to interpret the maps: The map illustrates the geographic distribution of reported cases from January 1, 2020 to October 31, 2021. Local Health Areas (LHA) with higher rates are illustrated in darker colour shading. The number of reported cases appears in each LHA. Note that the number of cases in the LHA may not represent the location of exposure (e.g. people who acquired disease while traveling or working elsewhere), and that not all COVID-19 infected individuals are tested and reported; the virus may be circulating undetected in the community, including in areas where no cases have been identified by public health. Map created November 3, 2021 by BCCDC for public release.

Geographic distribution of COVID-19 vaccinations by local/community health area of residence Nov 1, 2021

Okanagan Inset
(Community Health Service Areas)



Greater Victoria Inset
(Community Health Service Areas)



Geographic Distribution of COVID-19 Vaccination Coverage by LHA and CHSA

Ages 12+: 1st Dose
up to November 1, 2021

Change from prior week
(absolute change)

▲ highest decile
(increase $\geq 0.7\%$)

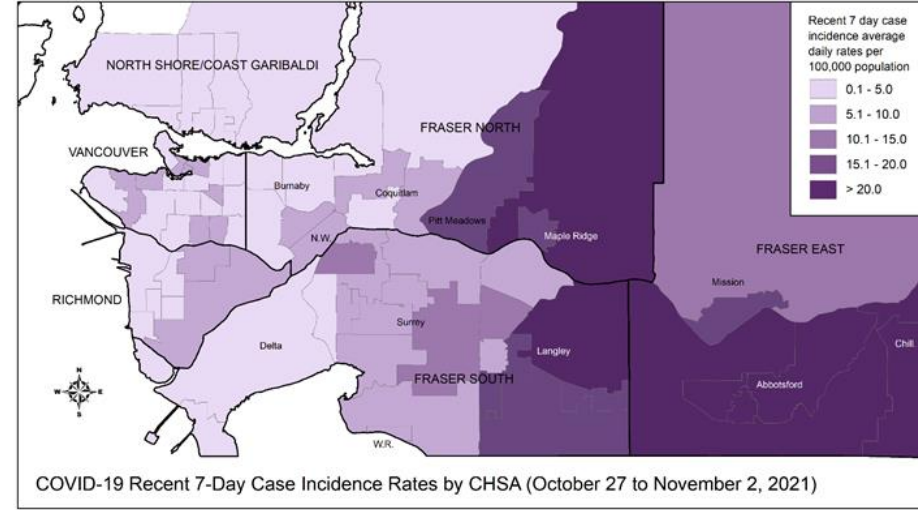
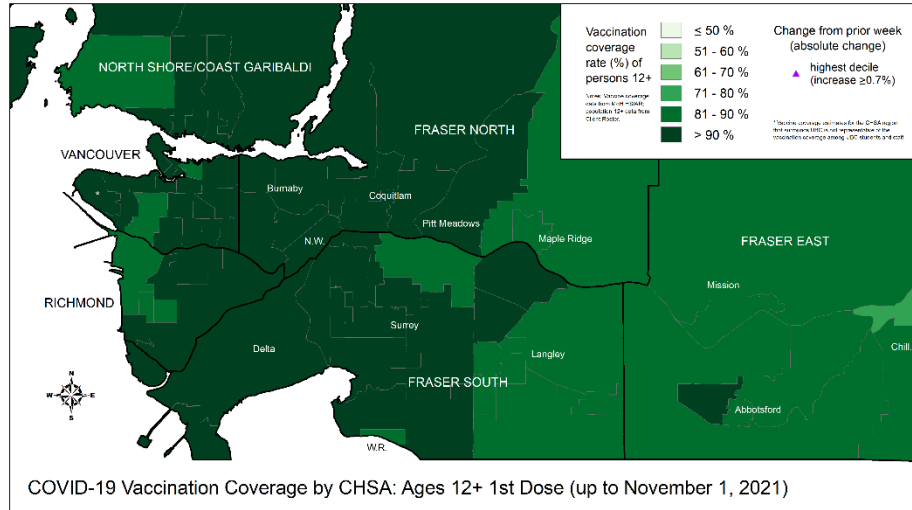
Notes: Vaccine coverage data from MoH HSIAR; population 12+ data from Client Roster.

Vaccination coverage rate (%) of persons 12+

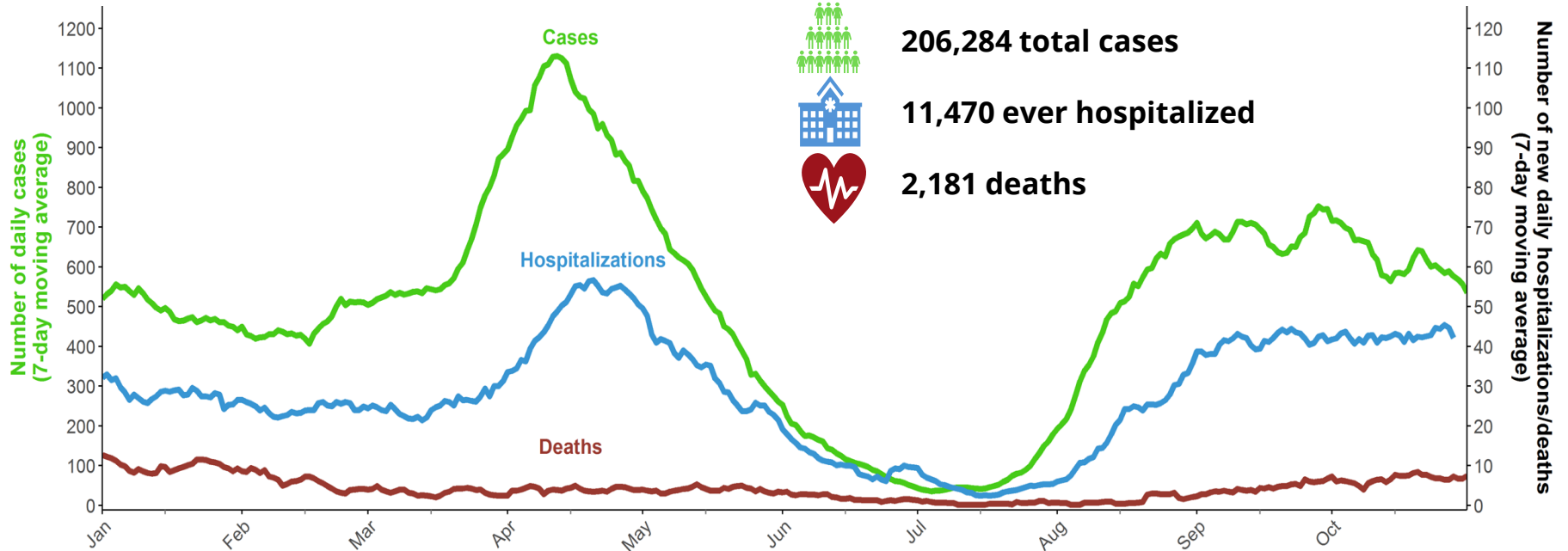
- ≤ 50 %
- 51 - 60 %
- 61 - 70 %
- 71 - 80 %
- 81 - 90 %
- > 90 %

British Columbia
(Local Health Areas)

Geographic distribution of COVID-19 **vaccinations** and **case** rates by local/community health area of residence, Nov 1, 2021

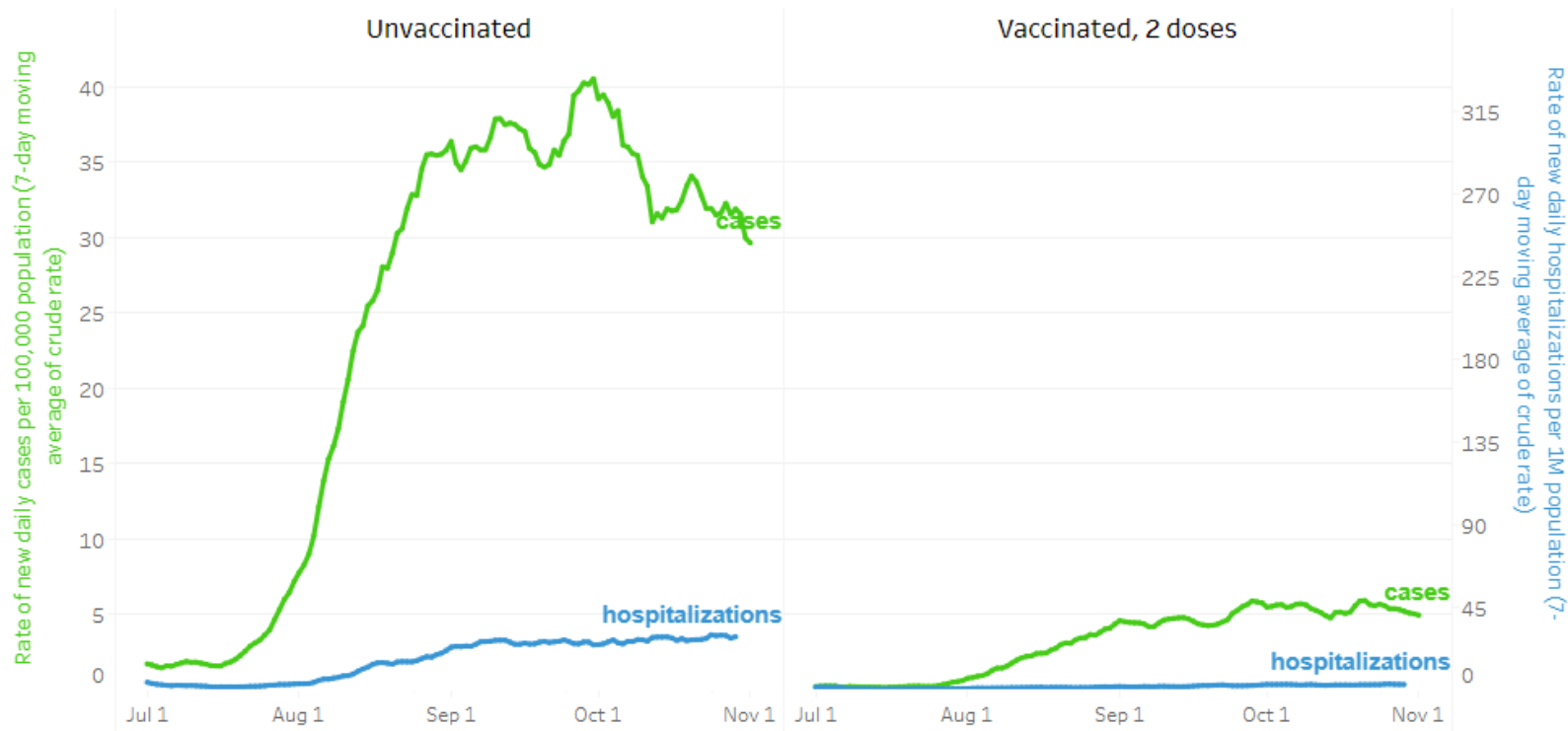


Daily cases, hospitalizations, and deaths Jan 1 to Nov 1, 2021

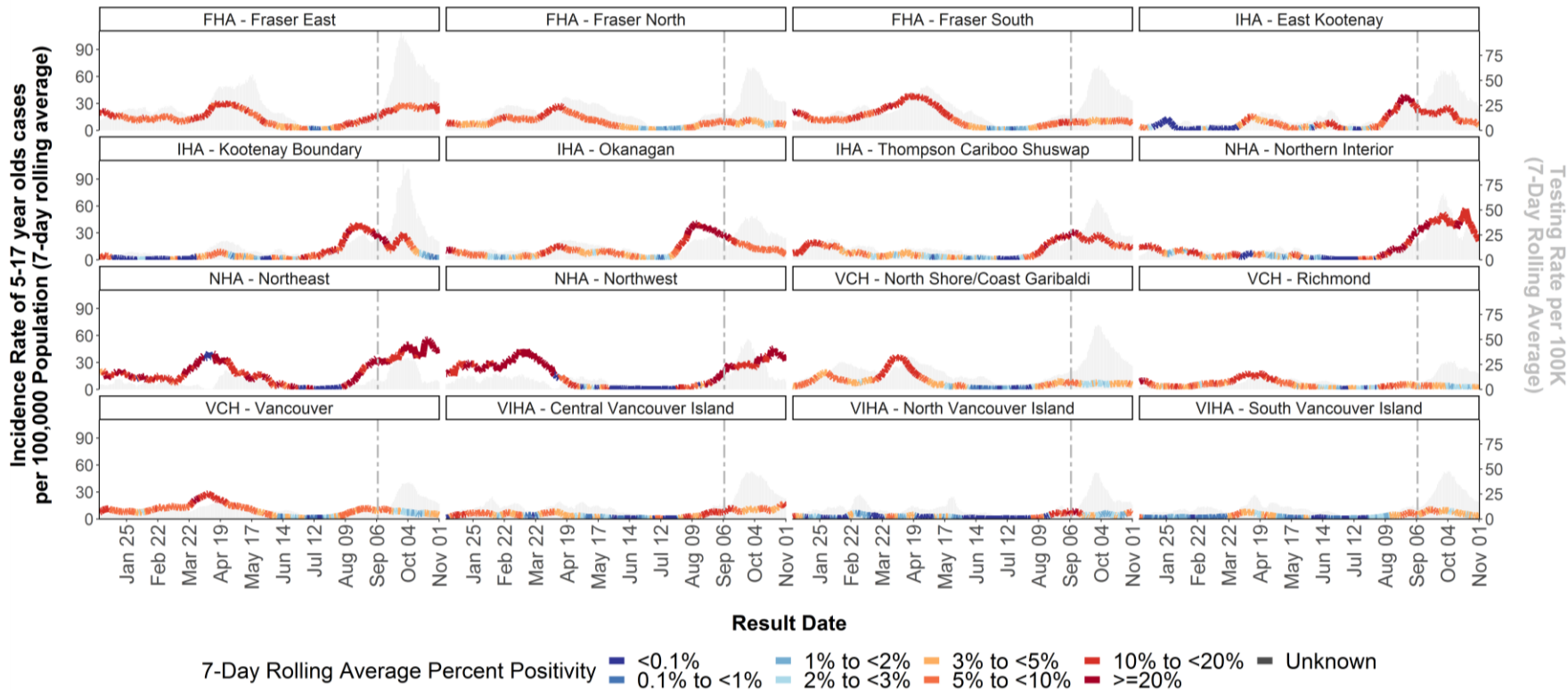


* Data are by surveillance date for cases and deaths, and admission date for hospitalizations
Data source: PHRDW Nov-01-2021

Rate of cases and hospitalizations by vaccination status, July 1 to Nov 1, 2021

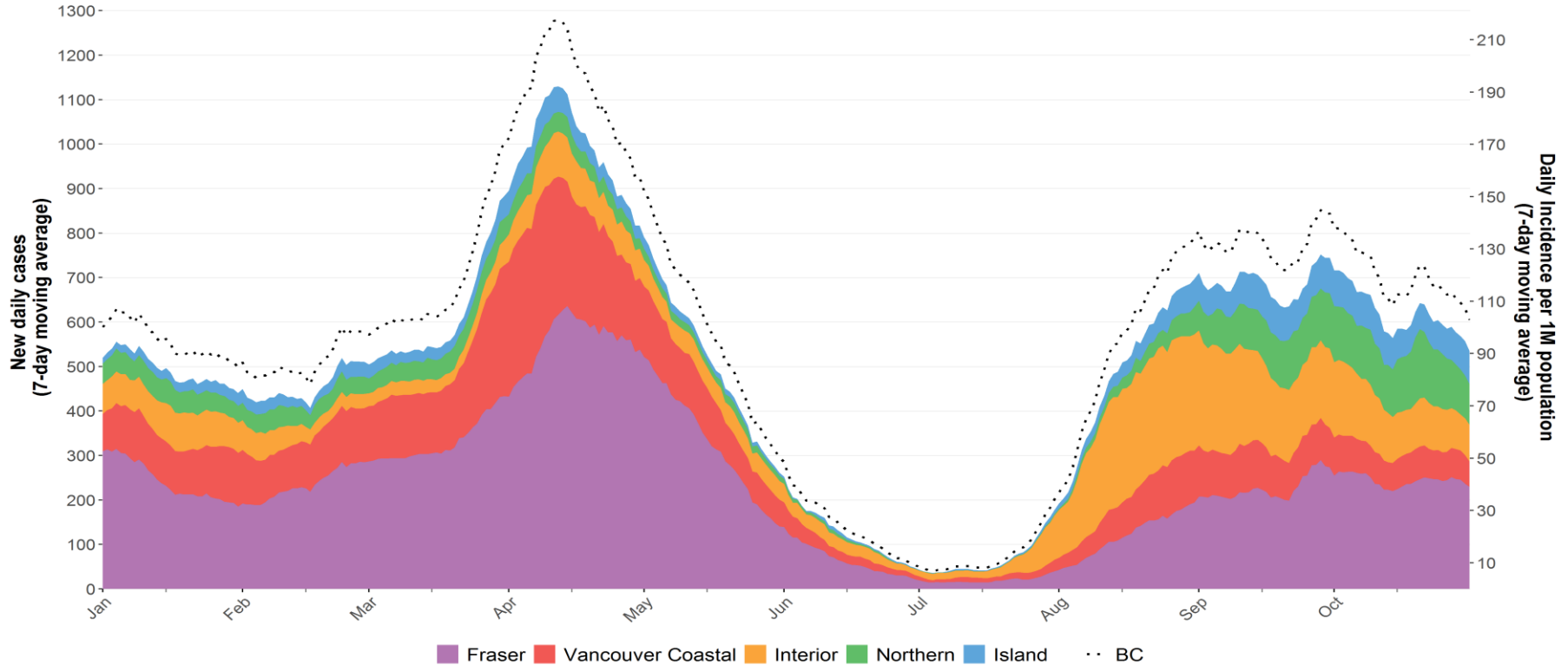


Case incidence, test positivity, and testing rate by HSDA, Jan 1 – Nov 1 2021

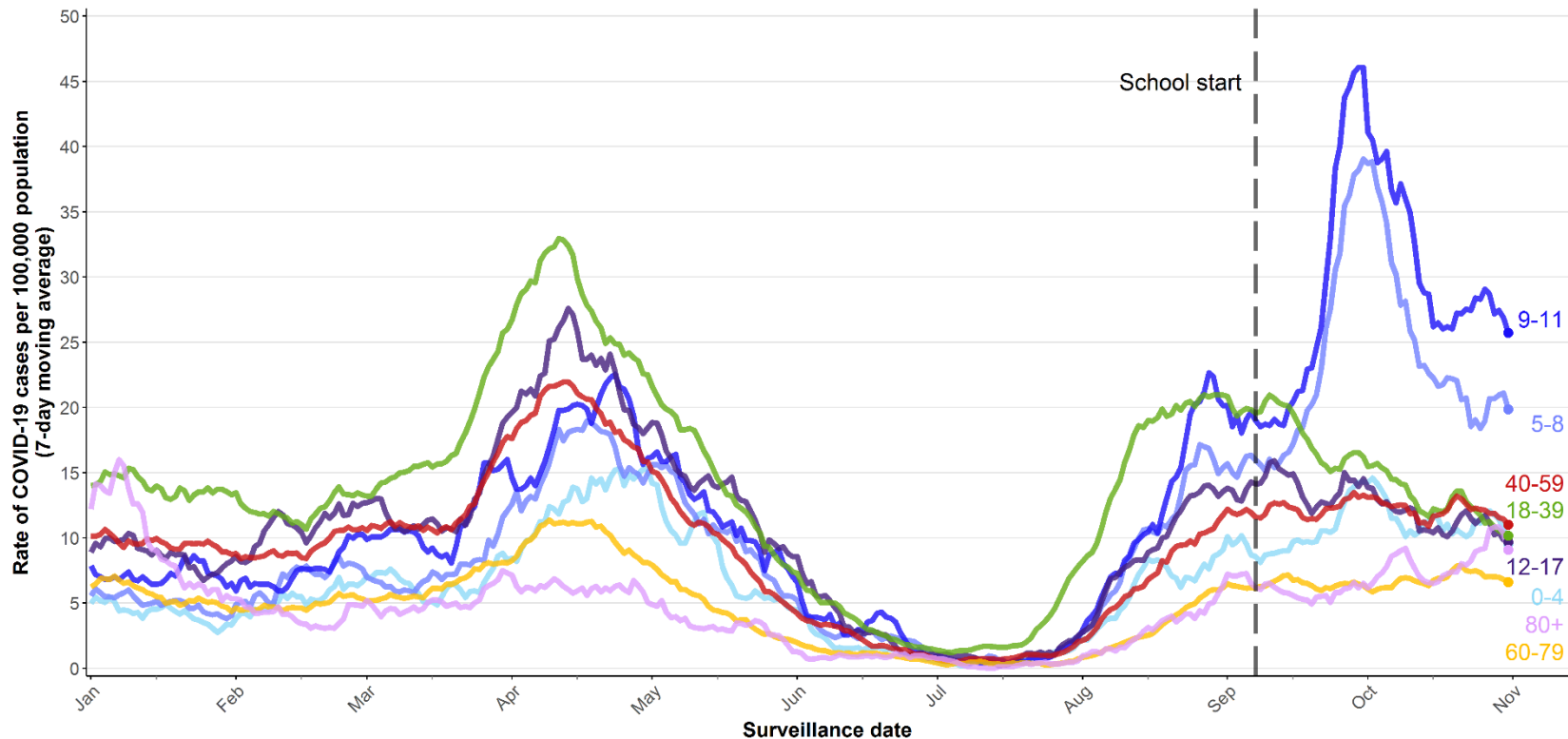


Data source: PLOVER 01-Nov-2021

Epidemic curve, COVID-19 cases in BC by health authority, Jan 1– Nov 1, 2021

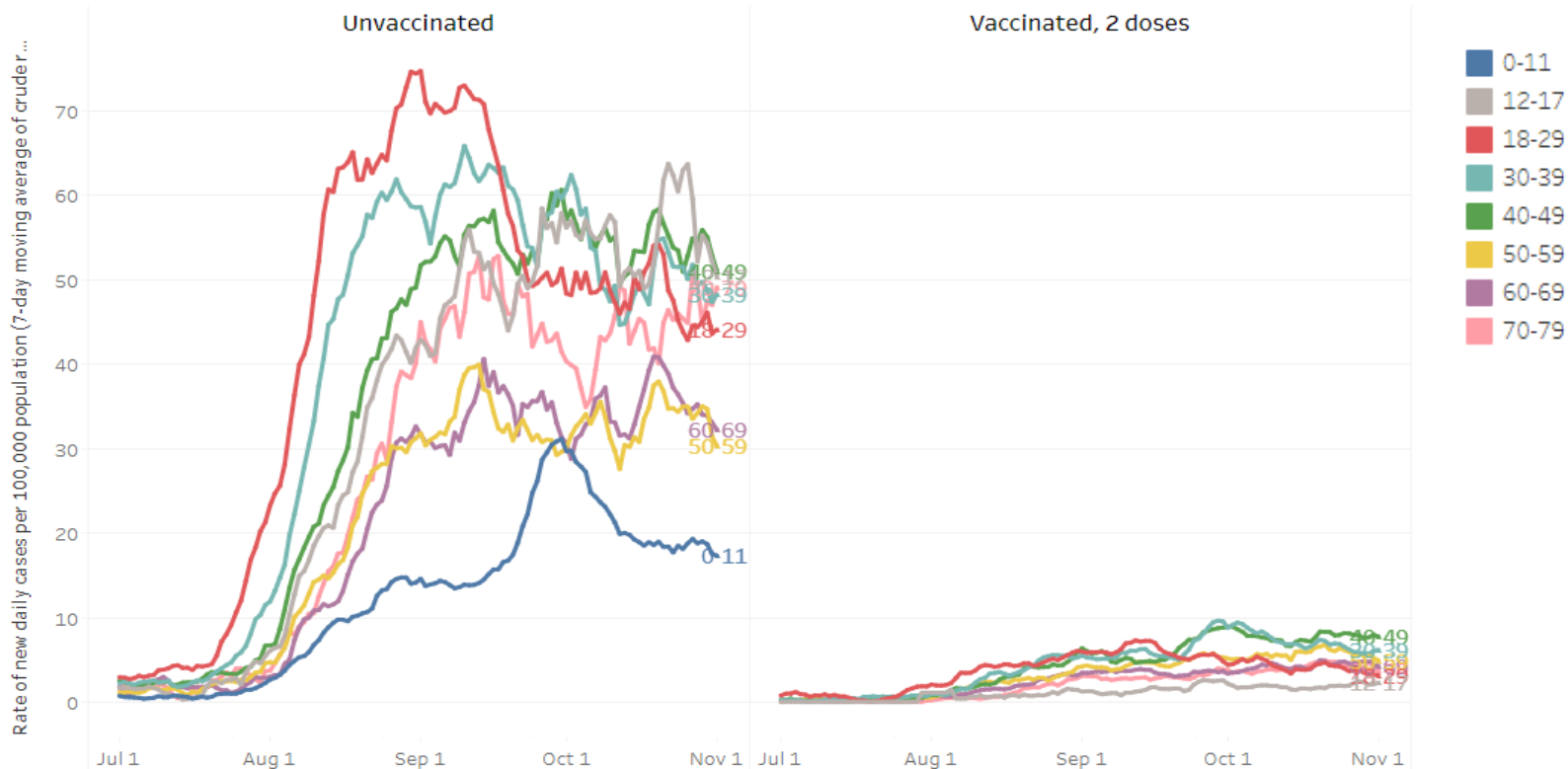


Daily case rate **by age** Jan 1 to Nov 1, 2021

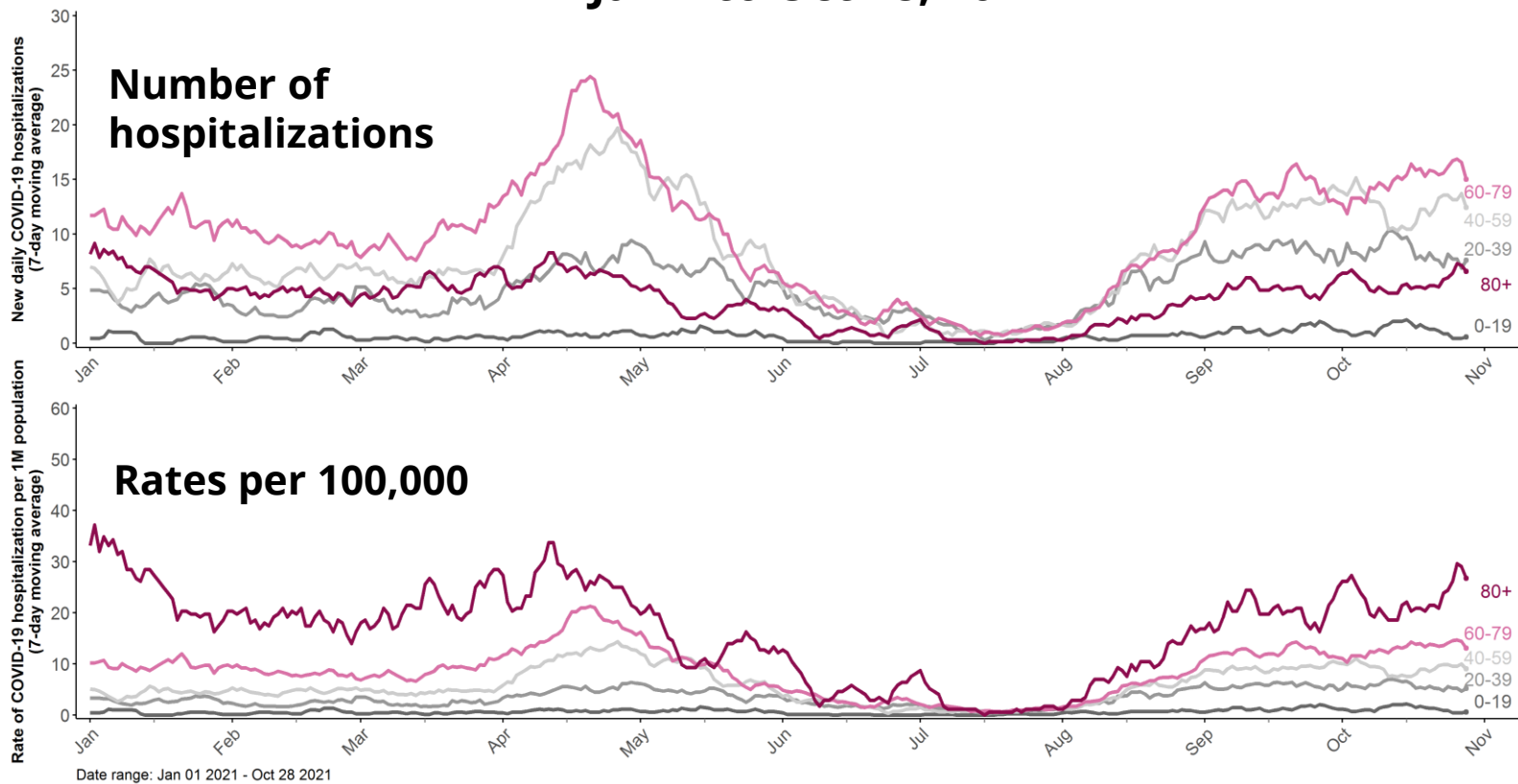


* Data based on surveillance date (i.e. lab result date, or when not available, date reported to public health)
Data range: Jan 01 2021 - Oct 31 2021

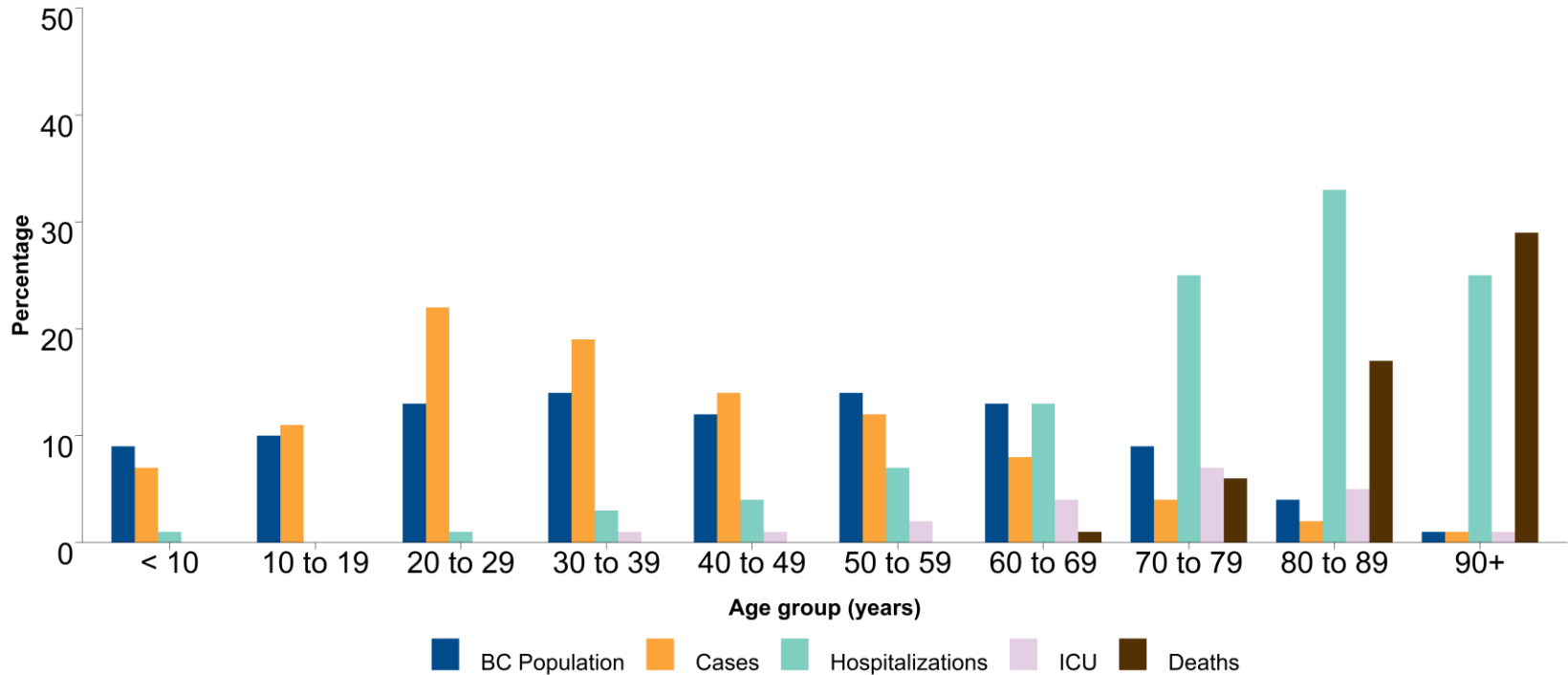
Daily case rate by age and vaccination status, July 1 to Nov 1, 2021



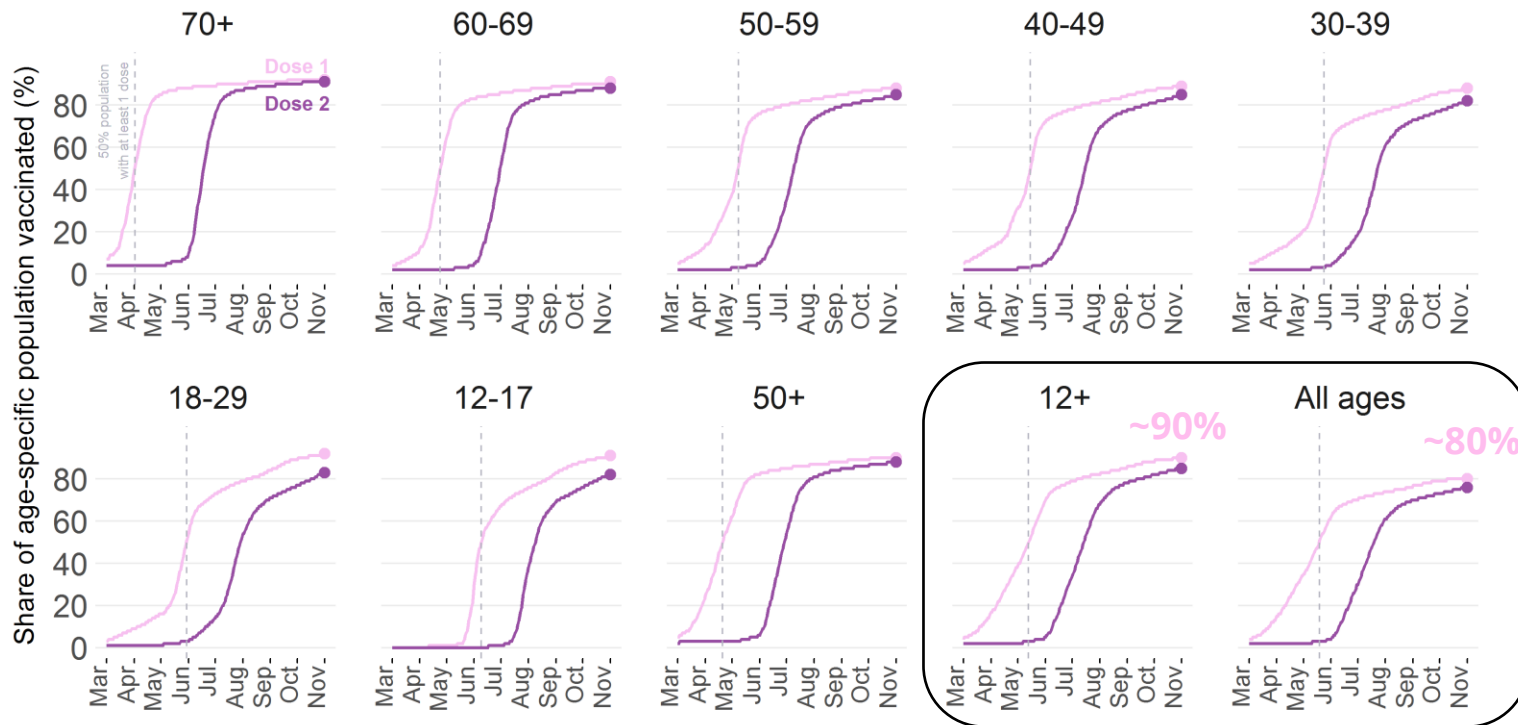
New daily COVID-19 hospitalization counts and rates per 100,000 Jan 1 to Oct 28, 2021



Percentage distribution of **cumulative** COVID-19 cases, hospitalizations, ICU admissions and deaths by age, Jan 15, 2020 – Oct 23, 2021



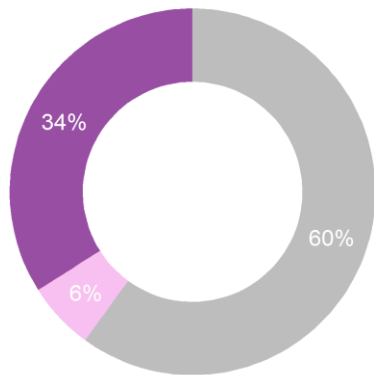
Vaccination progress in BC over time by age group and dose number up to November 1, 2021



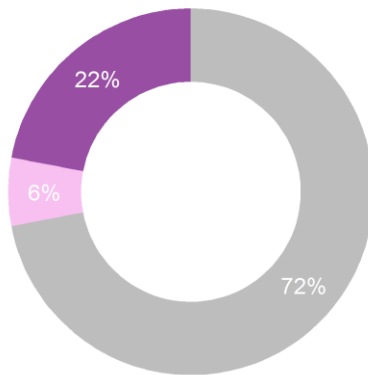
Data updated 2021-11-02
Data Source: Provincial Immunization Registry, PHSA

Over the **past month** (October 2021), unvaccinated individuals accounted for 72% of hospitalizations

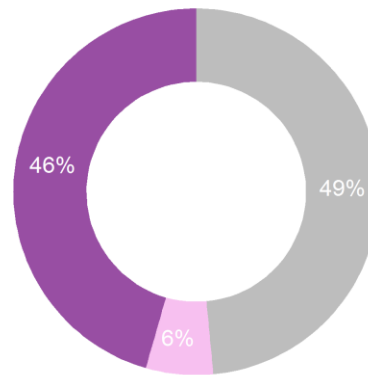
Cases (n=16,360)



Hospitalizations (n=1,184)



Deaths (n=179)



■ Unvaccinated ■ Vaccinated, 1 dose ■ Vaccinated, 2 doses

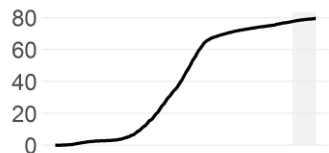
Data include cases from Oct 05-Nov 01, and hospitalizations from Oct 02-Oct 29, 2021

Deaths continue to occur primarily among older individuals (see next slide), >90% of whom are vaccinated, which explains the higher relative % of deaths among the fully vaccinated

Note: relative size of donuts not to scale

COVID-19 health outcomes by vaccination status and age, BC, October 2021

Trend in % total population vaccinated with at least 1 dose



Vaccinations (all BC; n=5.2M)



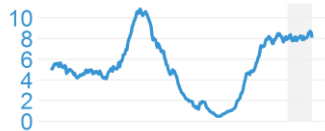
Trend in daily cases per 1M



Cases (n=16,471)



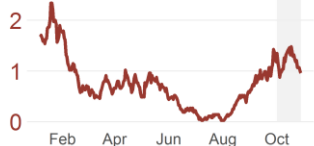
Trend in daily hospitalizations per 1M



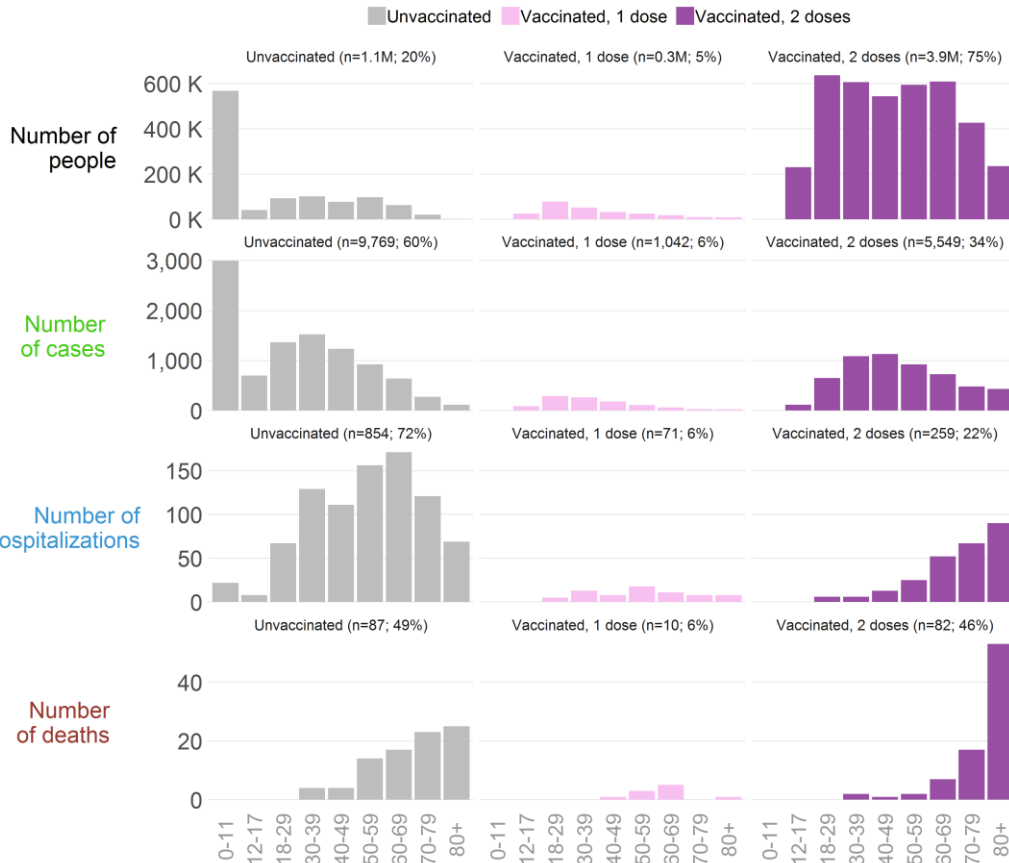
Hospitalizations (n=1,174)



Trend in daily deaths per 1M

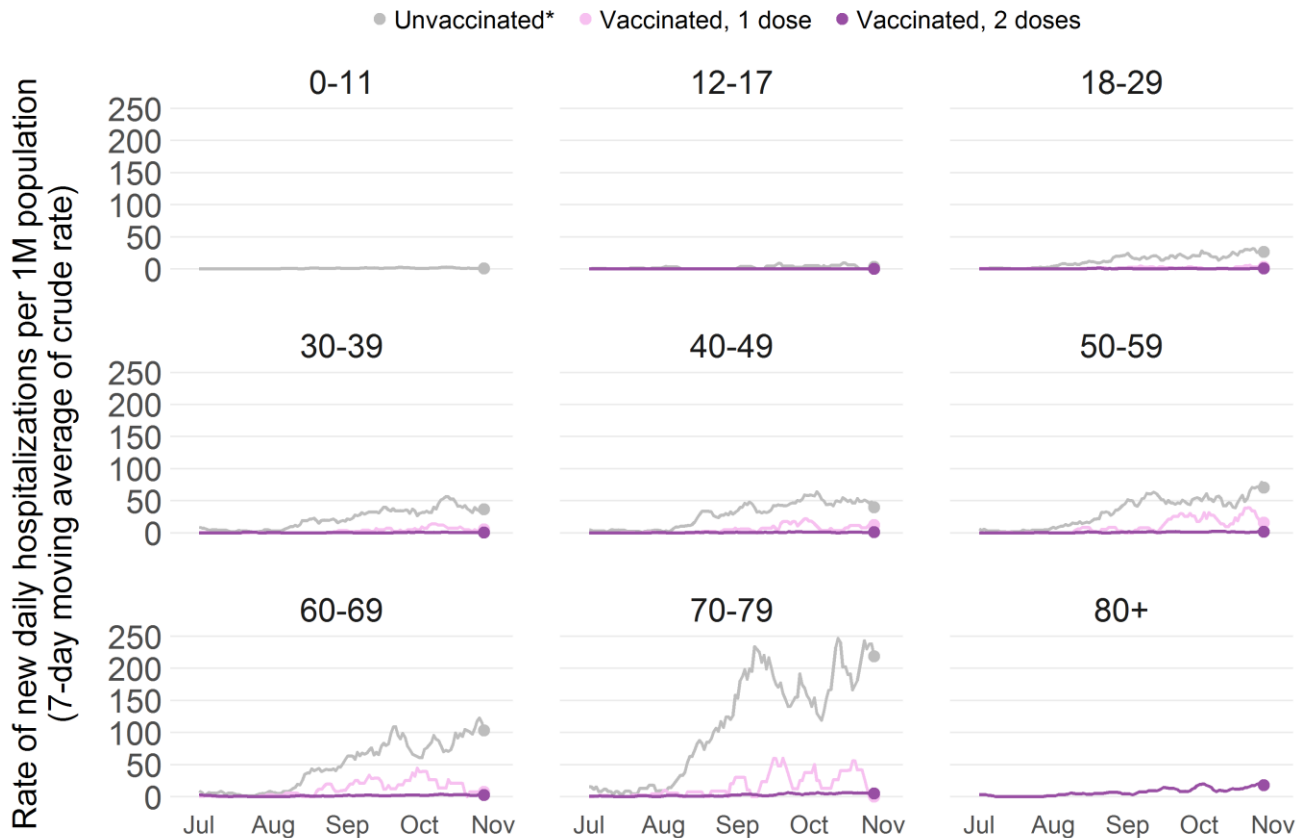


Deaths (n=170)



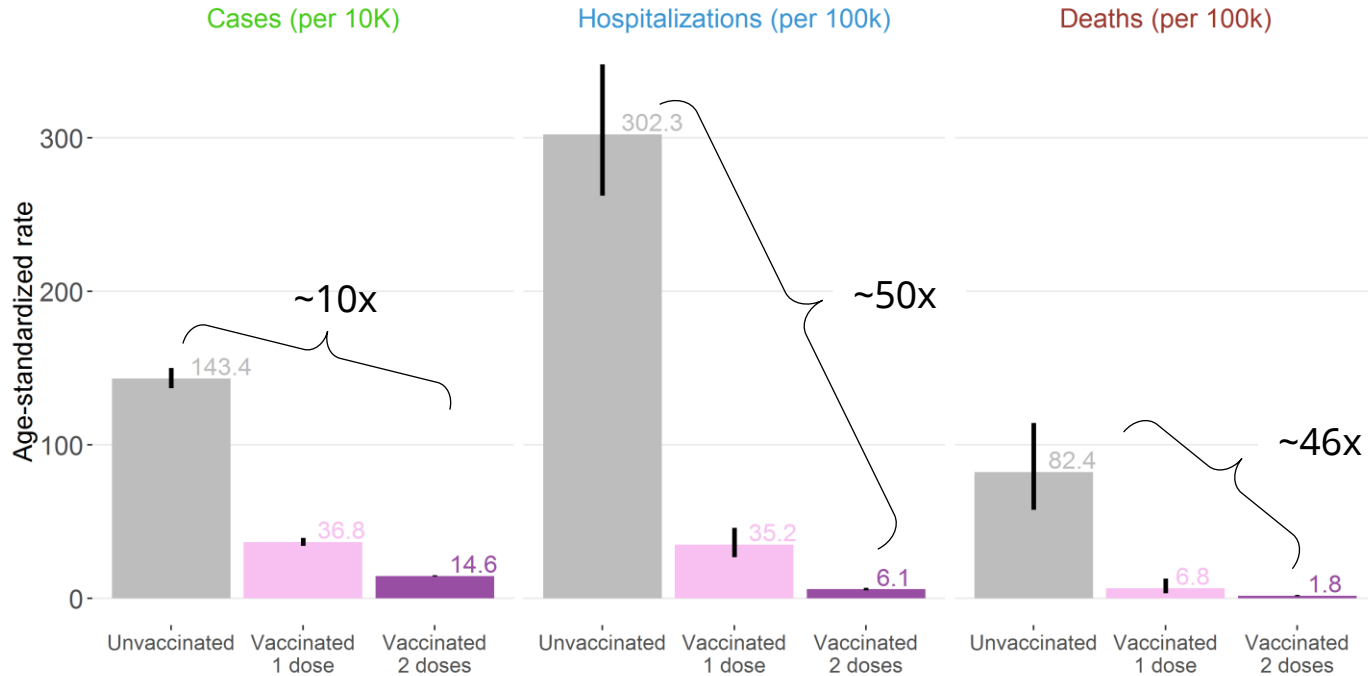
*Figures include cases from Oct 05-Nov 01, and hospitalizations and deaths from Oct 02-Oct 29, 2021

COVID-19 hospitalization rate by vaccination status and age, July 1 – Oct 28, 2021



*Unvaccinated includes cases who have received 1 dose but not yet protected (episode date <21 days after 1st dose administration date); These represent 5% of hospitalized unvaccinated cases since 1 July 2021.
Data extracted from health authority case line list and up to 28 Oct 2021

After adjusting for age differences, unvaccinated individuals are at much greater risk of infection, hospitalization, or death from COVID-19 than fully vaccinated individuals



Data include cases from Oct 04-Oct 31, and hospitalizations and deaths from Oct 01-Oct 28, 2021

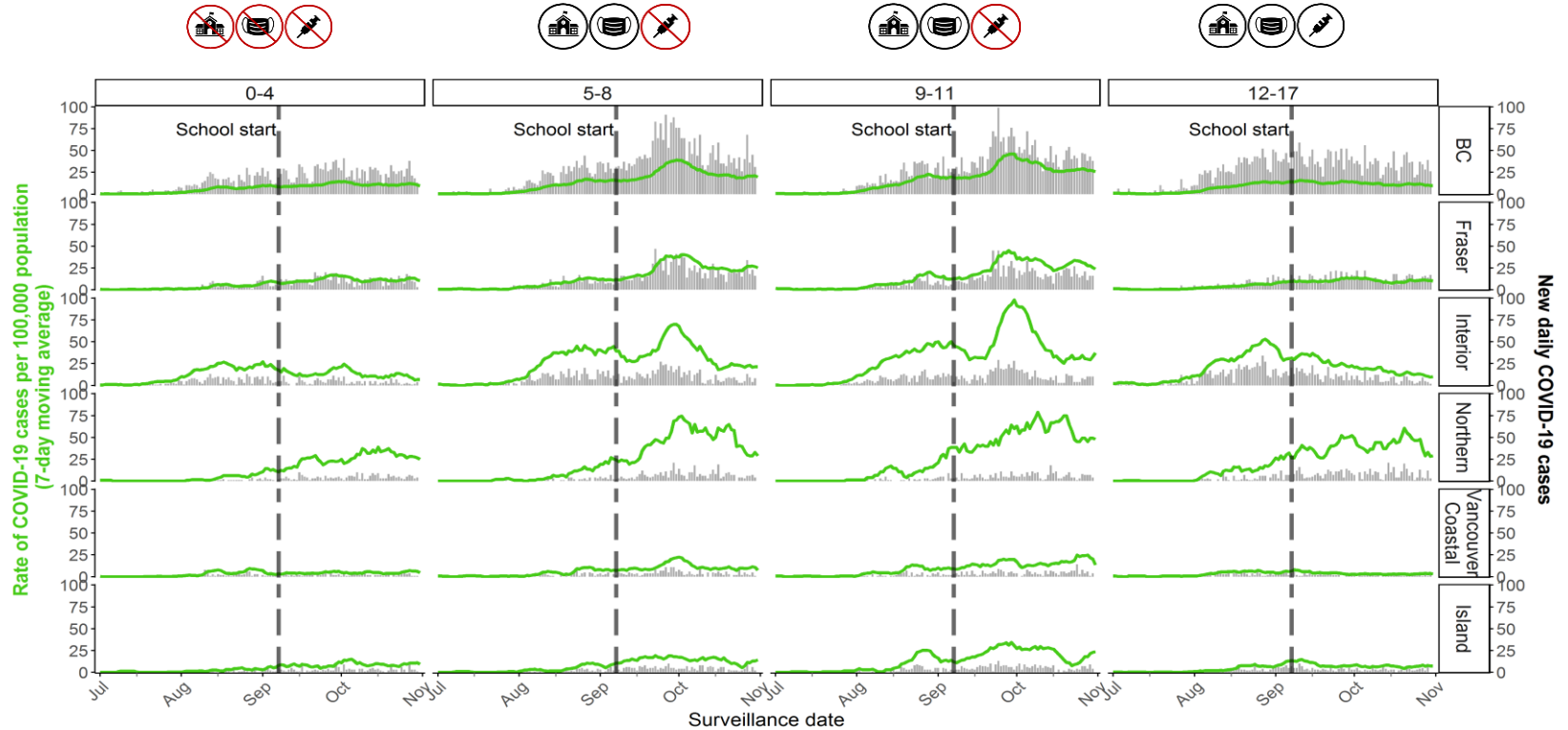
October 26 to November 1: Pediatric COVID-19 Profile



Age group: 0-4		Age group: 0-4		Age group: 0-4		Age group: 0-4	
5,529	total cases	116	ever hospitalized	12	ever in critical care	2	total deaths
148	new this week	1	new this week	0	new this week	0	new this week
Age group: 5-11		Age group: 5-11		Age group: 5-11		Age group: 5-11	
14,295	total cases	56	ever hospitalized	4	ever in critical care	0	total deaths
550	new this week	1	new this week	1	new this week	0	new this week
Age group: 12-17		Age group: 12-17		Age group: 12-17		Age group: 12-17	
12,399	total cases	49	ever hospitalized	8	ever in critical care	0	total deaths
204	new this week	1	new this week	1	new this week	0	new this week

New hospitalizations and critical care census numbers as of Oct 28 2021
 New cases and new deaths are net new as of Nov 1 and Oct 25 2021

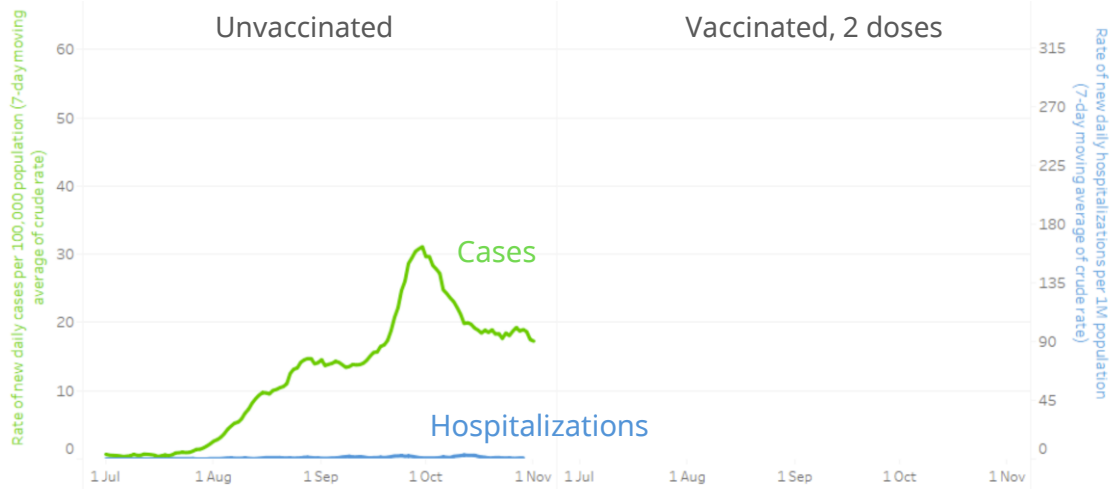
COVID-19 Incidence by Age and Health Authority July 1 to Oct 31, 2021



Date range: Jan 01 2021 - Oct 31 2021
 Data source: PHRDW Nov-01-2021

Pediatric incidence and hospitalization rate by **age** (0-11 and 12-17 years) and **vaccination** status, July 1- Nov 1, 2021

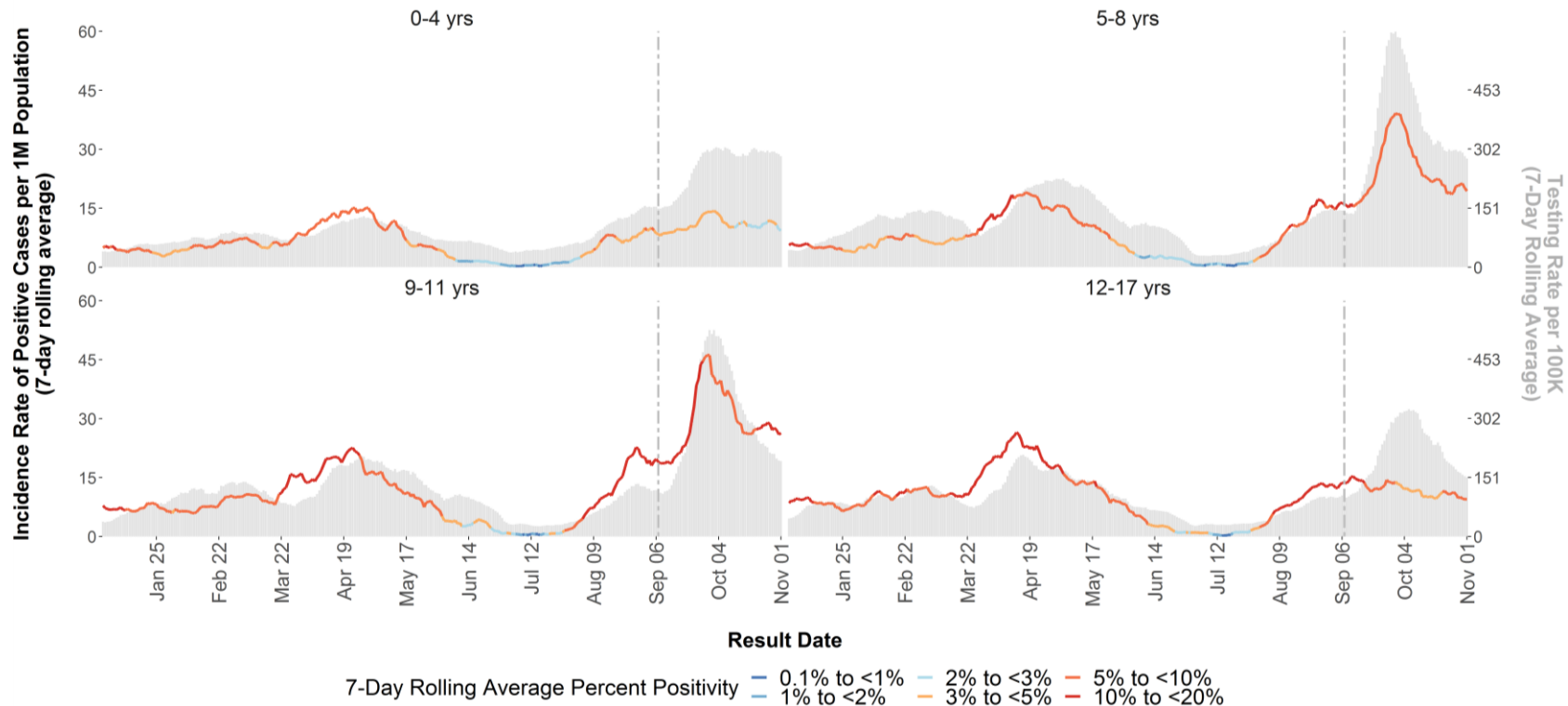
0 to 11 years



12 to 17 years



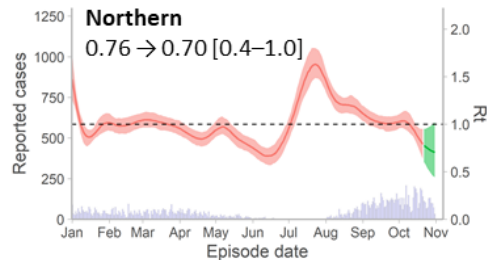
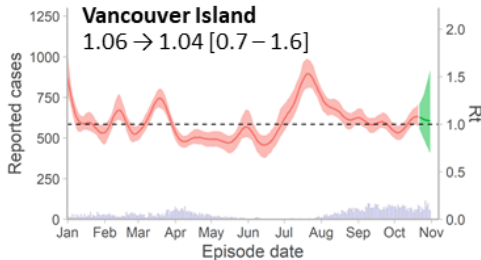
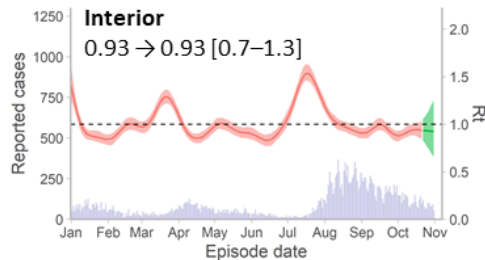
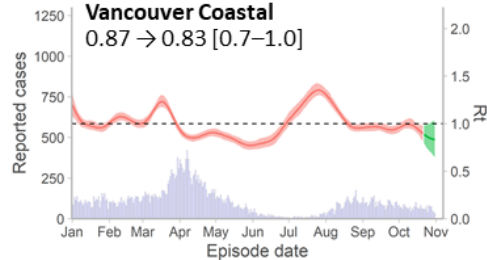
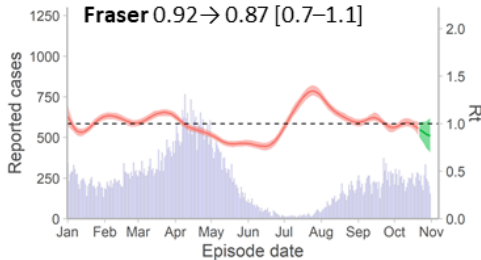
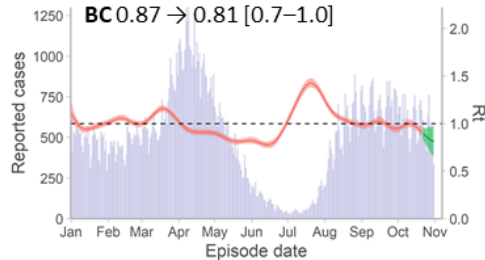
Pediatric testing rates, incidence and percent positivity by age, Jan 1- Nov 1, 2021



Data source: PLOVER 01-Nov-2021

Dynamic modelling: recent trends

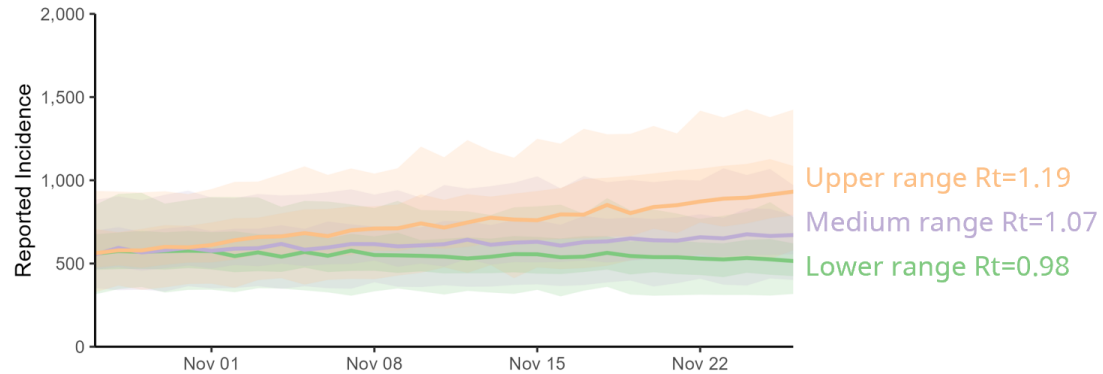
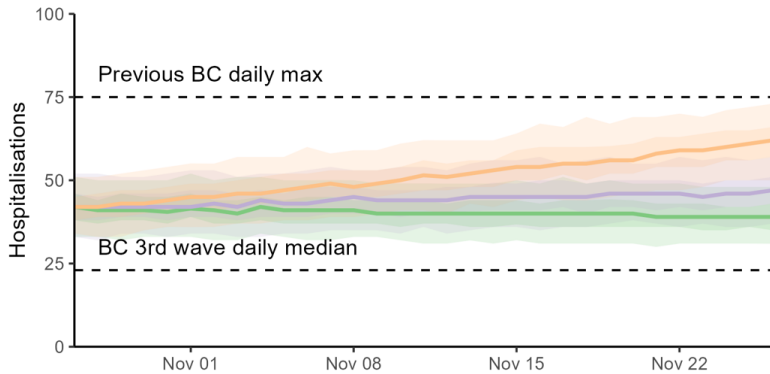
Modelling indicates that R_t is close to or below 1 in all regions. Estimates are shown for last week \rightarrow this week, with 90% range of possible values given next to most recent estimate.



Solid line: median R_t , modeled using all reported cases up to Oct 31, 2021; Red band: 5%-95% credible interval; Green band: estimate based on partial data – each week, current estimates are updated with new data to provide a clearer understanding of the trend. Purple bars: all reported cases. Recent trend shown comparing median R_t estimate from (last week \rightarrow this week; 5% - 95% credible interval). Only January 2021 onward shown here. Data source: BCCDC HA linelist.

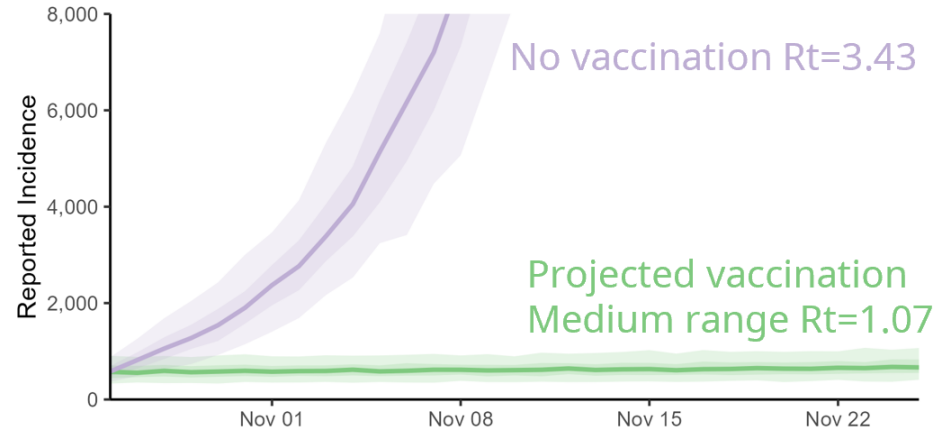
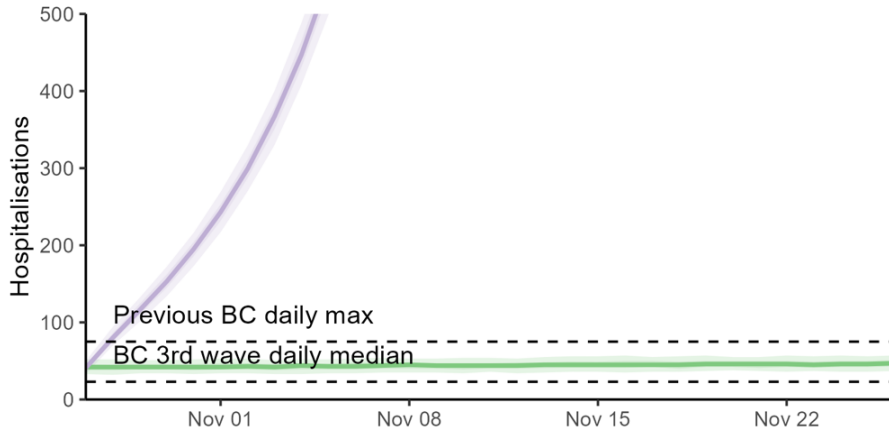
Transmission scenarios: October 27 to November 29, 2021

Currently, R_t for BC is 1.07 (0.98 - 1.19)



Note: Scenarios do not include further public health measures that may be implemented to reduce transmission. Shading indicates uncertainty due to effectiveness of vaccines, showing 90% and 50% confidence intervals

Medium-range scenario compared to no vaccine



Note: Scenarios do not include further public health measures that may be implemented to reduce transmission. Shading indicates uncertainty due to effectiveness of vaccines, showing 90% and 50% confidence intervals

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