

BCCDC COVID Data Summary

9 December 2021

Purpose

The surveillance deck is a summary of COVID-19 related indicators that can help inform the pandemic response in British Columbia. This surveillance monitoring constitutes the medical chart for population health assessment that guides the public health community of practice. As such this is a working document that reflects a snapshot in time and may differ from other published reports.

Data Sources

The collection, use and disclosure of case data is subject to the Public Health Act. COVID-19 cases are reported under the Public Health Act to the health authority of residence. Public health case notification, clinical management, contact tracing and follow-up contributes surveillance data for regional and provincial COVID-19 monitoring. Each regional health authority have their own workflows and information systems for capture of relevant data. This data foremost serves the public health and clinical management of the case and their contacts.

Disclaimer

- Data and key messages within these documents are not finalized and considered to be work in progress that is subject to retroactive changes as more data and information become available.
- Accurate interpretation of figures may be difficult with the limited inclusion of data notes and methodology descriptions in this document.

Note: Information provided in this slide deck is or will be available in the data products listed below, at the same or greater frequency. This is the last publication of this product. Going forward, please consult the following sources:

[BCCDC COVID-19 Regional Surveillance Dashboard](#): updated 2x week (Tues & Fri)*

[BCCDC COVID-19 Epidemiology app](#): updated 3x week (Mon, Wed, Fri)*

[Situation Report](#): updated weekly*

[Laboratory report on variants and lineages](#) : updated weekly

[School report](#): updated monthly

*Note holiday schedule:

Regional Dashboard and Epi App: Dec 20, 23, 30, Jan 4

Situation Report: Dec 21 & Jan 4

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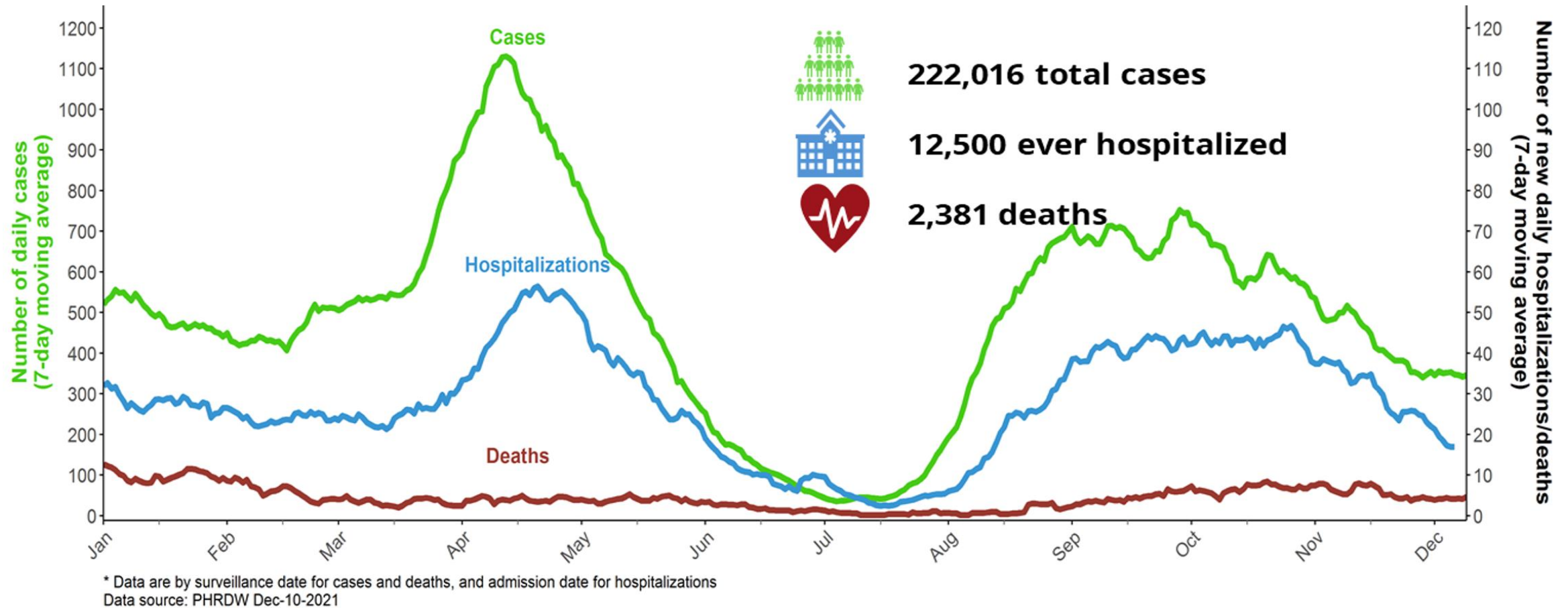
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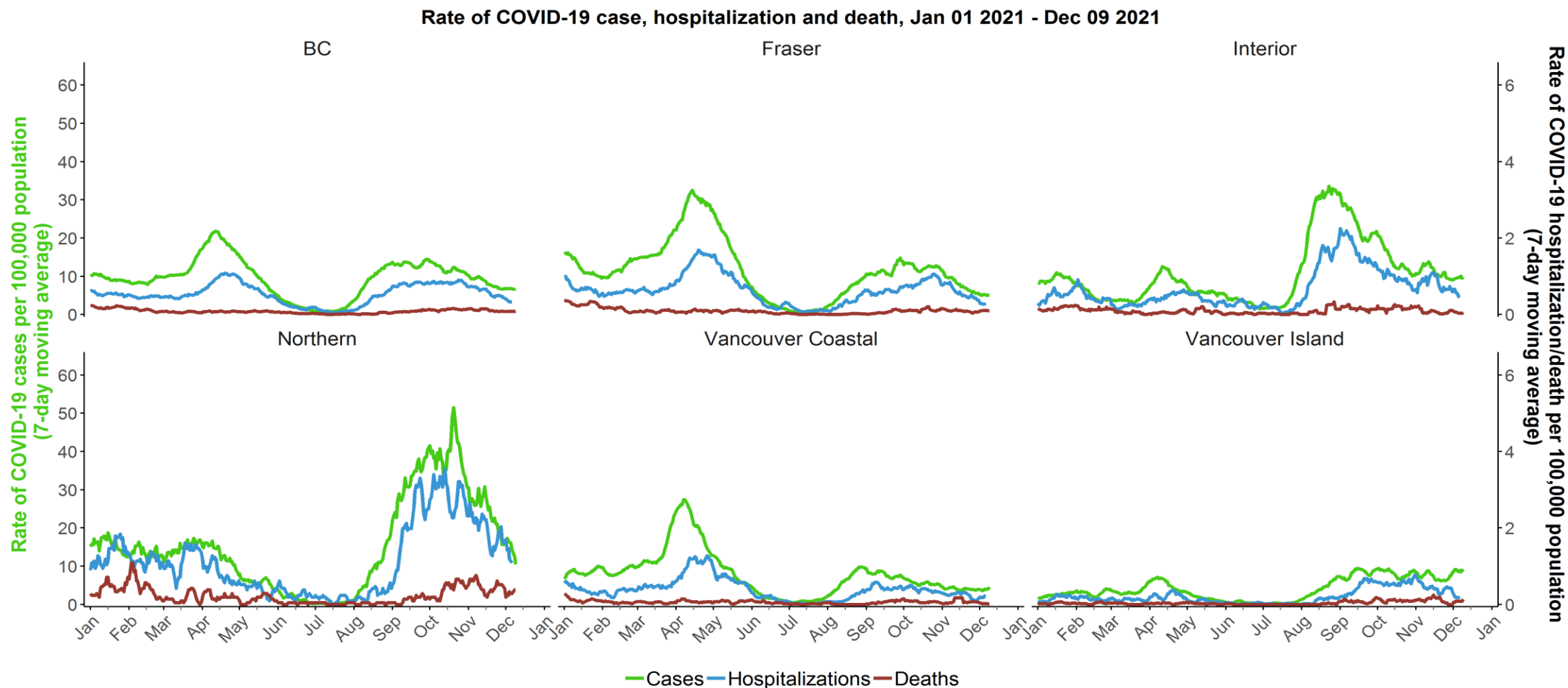
Overall Summary for surveillance data to Dec 9

- Case rates are stabilizing in most regions but continue to decline in NH.
- Test positivity among public tests is stable (~4.9% provincially), and remains high in NH (13%).
- New hospitalizations and hospital census are continuing to decline provincially, critical care census is stable, but there is regional variation across BC; new deaths are low and stable.
- Hospitalization rates among children continue to remain very low, and are low and decreasing in older adults. Hospitalization counts and rates among individuals ≥ 80 years continue to decrease rapidly following booster dose rollout.
- The majority of new cases and hospitalizations continue to be among unvaccinated individuals.
- Vaccine coverage in BC, 07 Dec 2021, 1 dose (2 doses): ~82% (78%) of total population, ~91% (88%) of 12+ eligible population. Lower vaccine coverage in Interior and Northern.
- The Delta variant continues to account for $\approx 100\%$ of all positive tests in BC. There are 2 main sub-lineages circulating in BC: AY.25 and AY.27.
- 44 cases of Omicron variant reported; close to half related to international travel

BC COVID-19 Profile: New daily cases, hospitalizations and deaths, Jan 01 2021- Dec 09, 2021

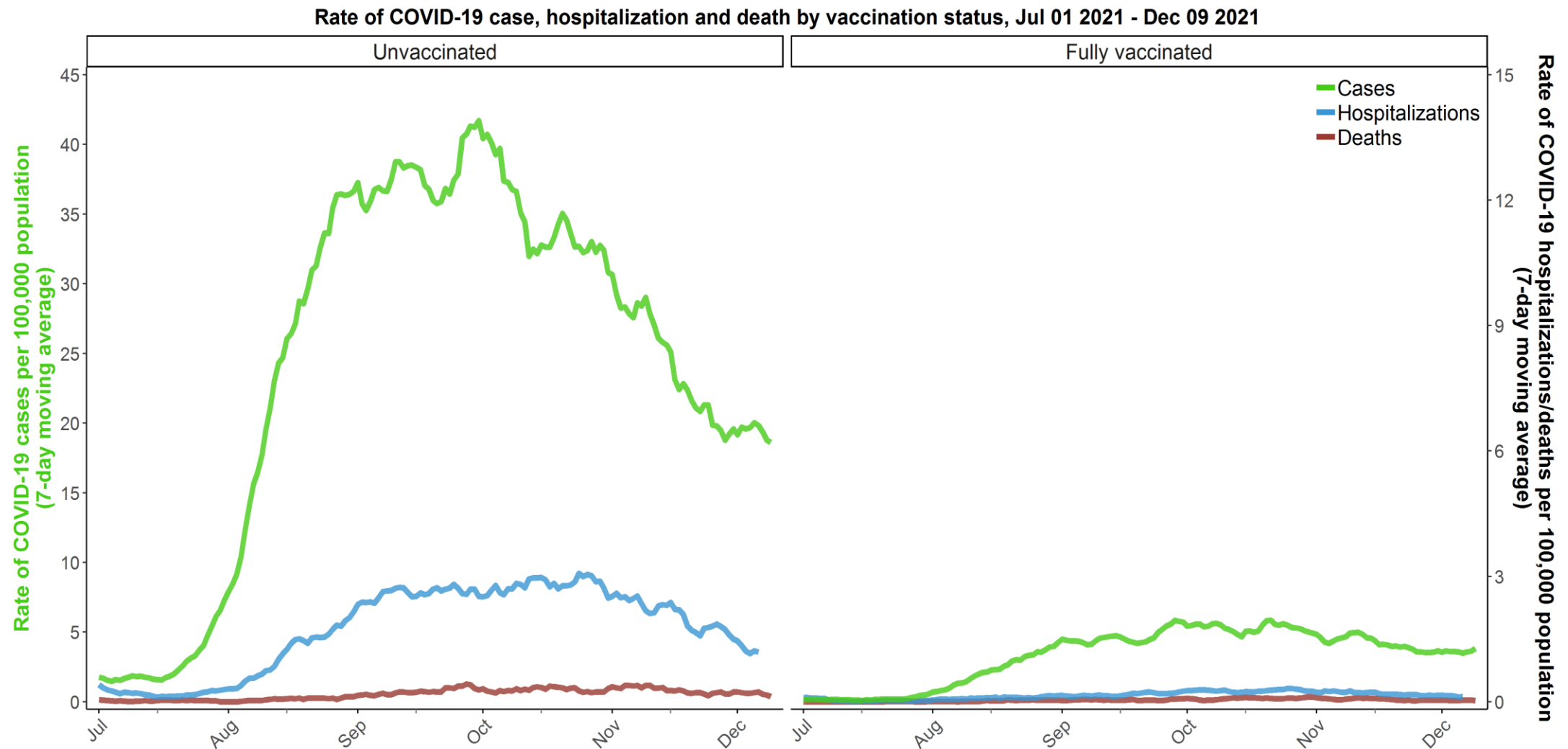


Case rates are stabilizing in most regions, but continue to decline in NH; new hospitalizations are continue to decline provincially; new deaths are low and stable. Note the regional variation.



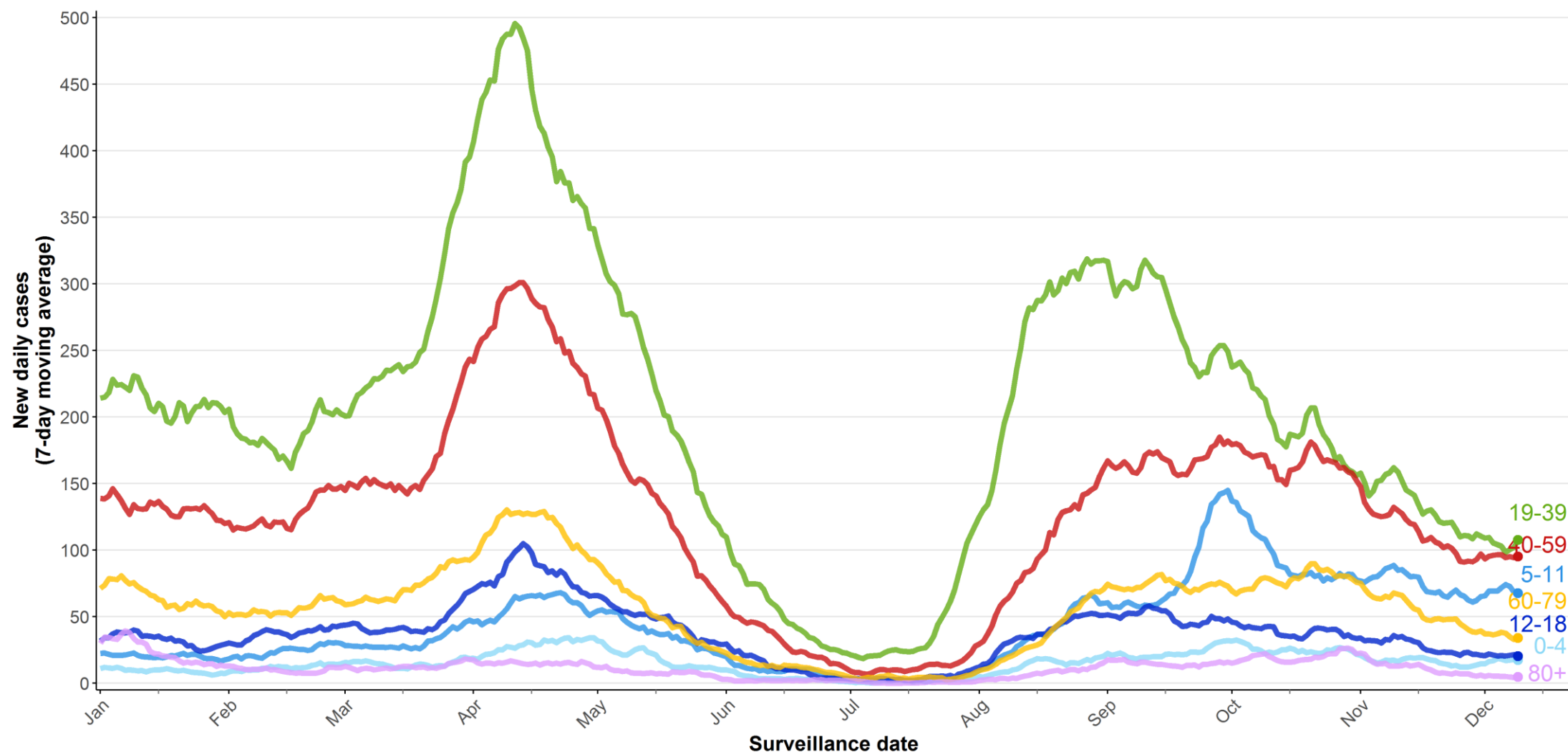
* Data are by surveillance date for cases and deaths, and admission date for hospitalizations
Data source: PHRDW Dec-10-2021

The majority of new cases and hospitalizations continue to be among unvaccinated individuals



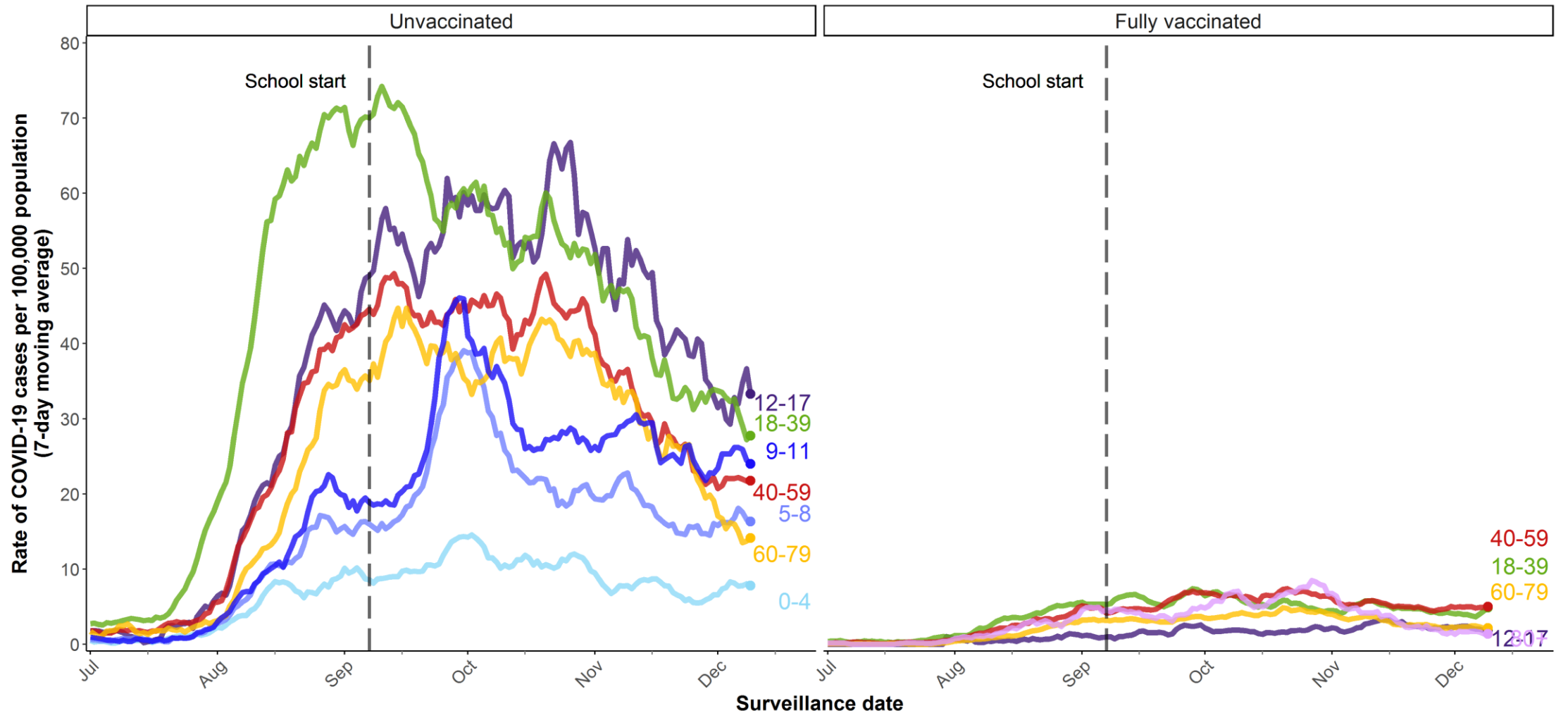
* Data are by surveillance date for cases, death date for deaths, and admission date for hospitalizations
Data source: PHRDW Dec-10-2021

Incidence is stable among across all age groups. Note: this graph looks different once separated out by vaccine status (next slide)



* Data based on surveillance date (i.e. lab result date, or when not available, date reported to public health)

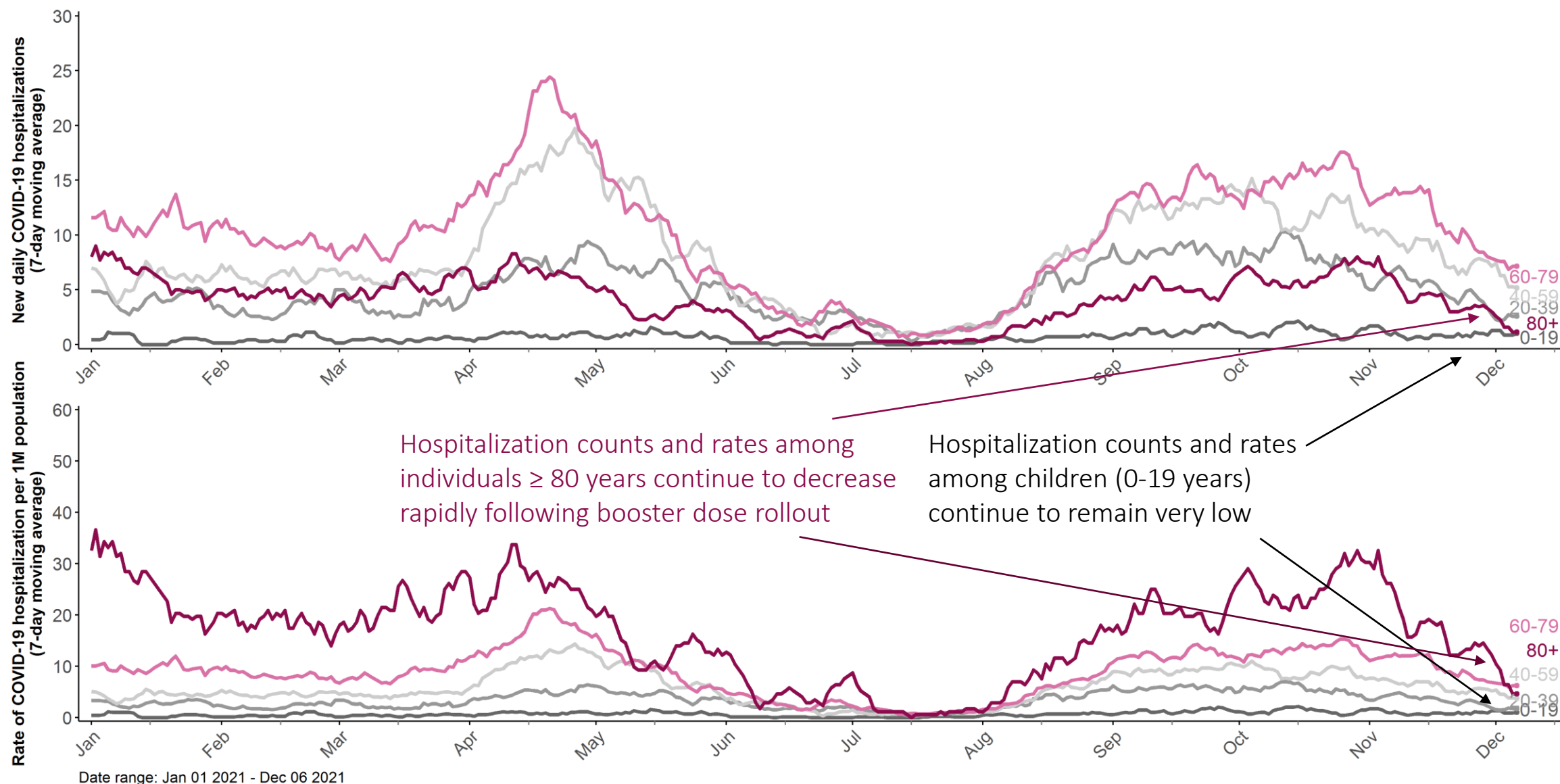
For all age groups 12+, those who are vaccinated have very low case rates. Among unvaccinated individuals, case rates are decreasing among 18-39 and 60-79 years, and stable in other age groups.



* Data based on surveillance date (i.e. lab result date, or when not available, date reported to public health)
 Date range: Jul 01 2021 - Dec 09 2021
 Data source: PHRDW Dec-10-2021

NB: 80+ age group not shown for the unvaccinated group due to high and very unstable rates, reflecting a small denominator

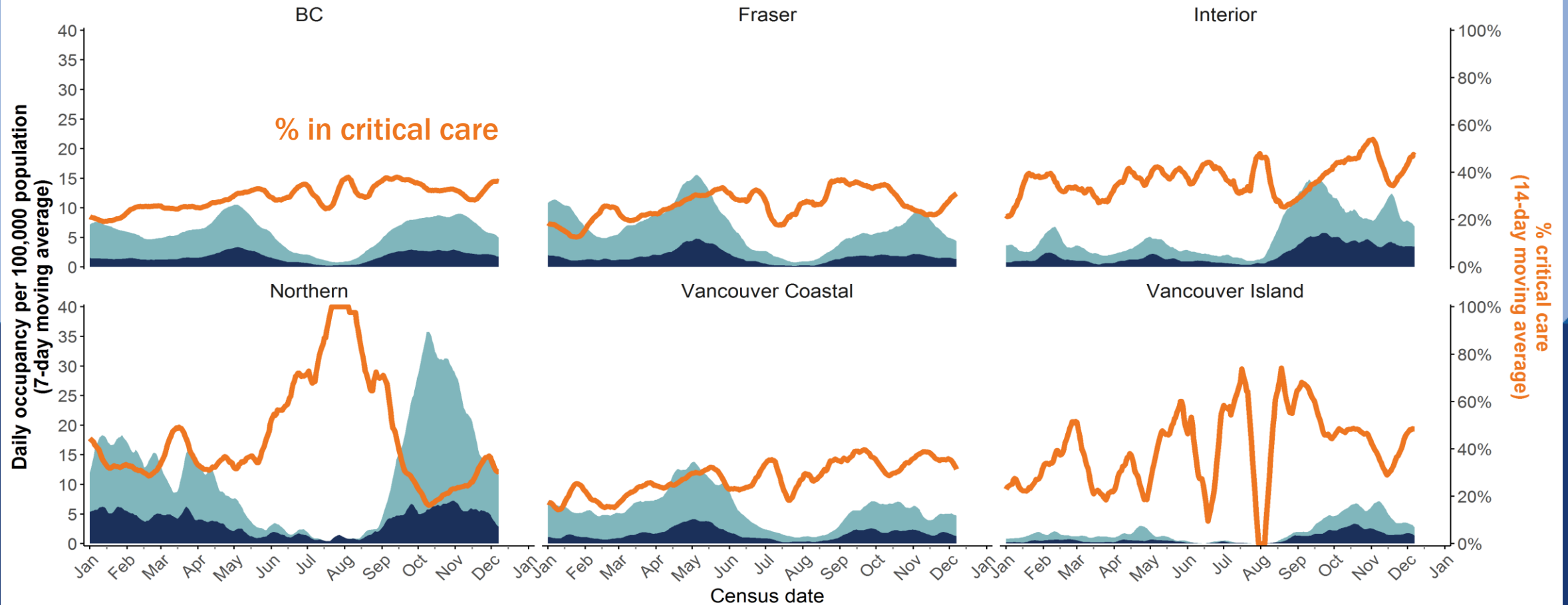
Trends in number and rate of new hospitalizations by age group, BC, 1 Jan – 6 Dec 2021



Hospital census is declining provincially; critical care census is stable. Note the variation by health authority.

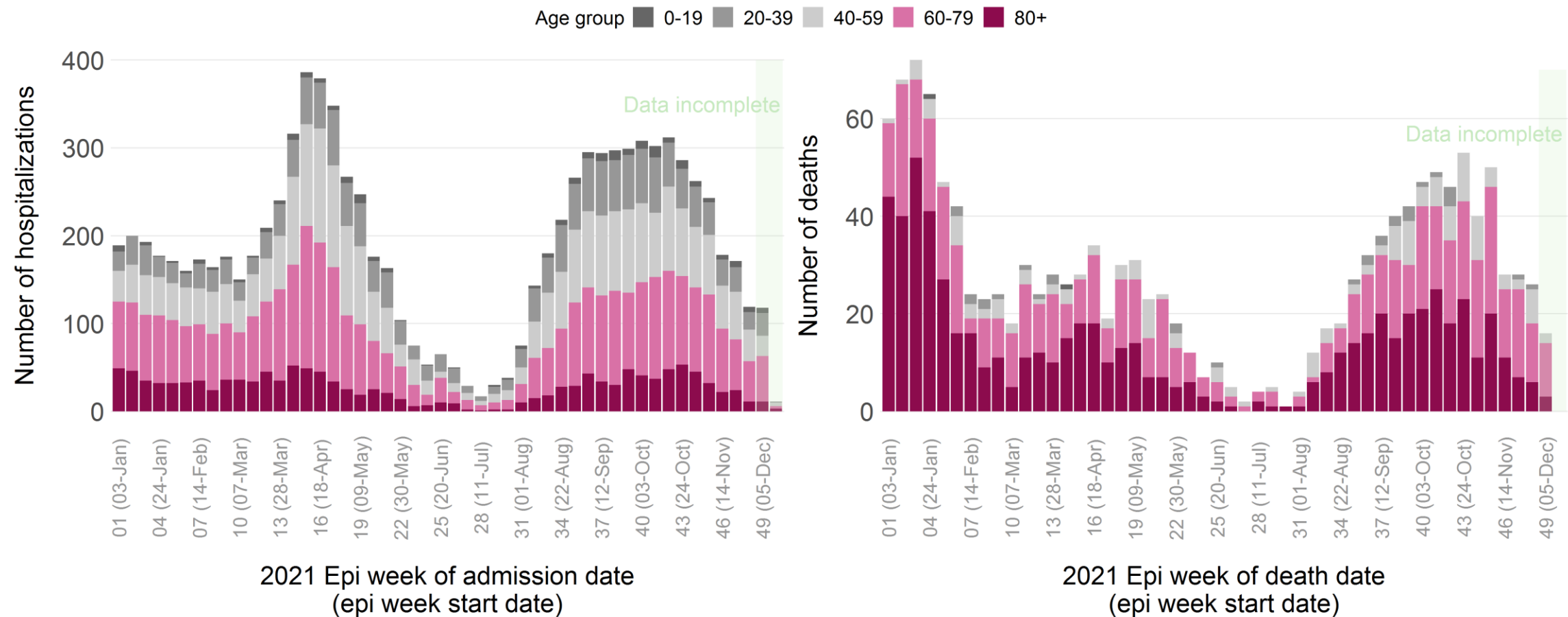
Current COVID-19 hospitalizations in BC, Jan 01 2021 - Dec 07 2021

In the hospital but not in critical care In critical care



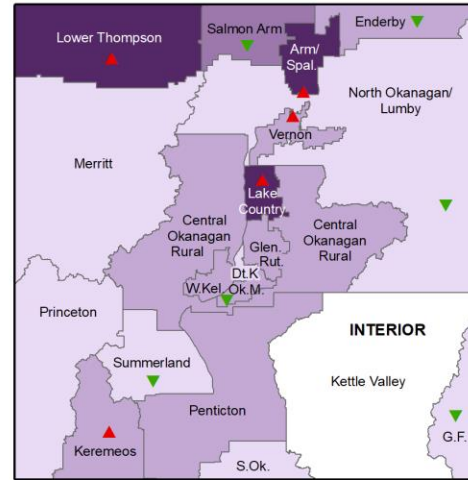
* Data are presented by health authority of hospitalization; some patients are hospitalized in a different health authority than they live in
Data source: PHSA Provincial COVID19 Monitoring Solution (PCMS) Dec-08-2021

Number of new hospital admissions and deaths is continuing to decline across all age groups, especially among individuals age ≥80 years.

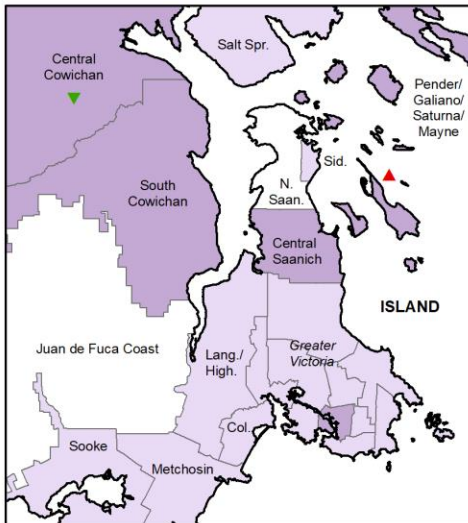


Data extracted on 2021-12-14; hospitalization and death data from health authority case line list data

Okanagan Inset
(Community Health Service Areas)



Greater Victoria Inset
(Community Health Service Areas)



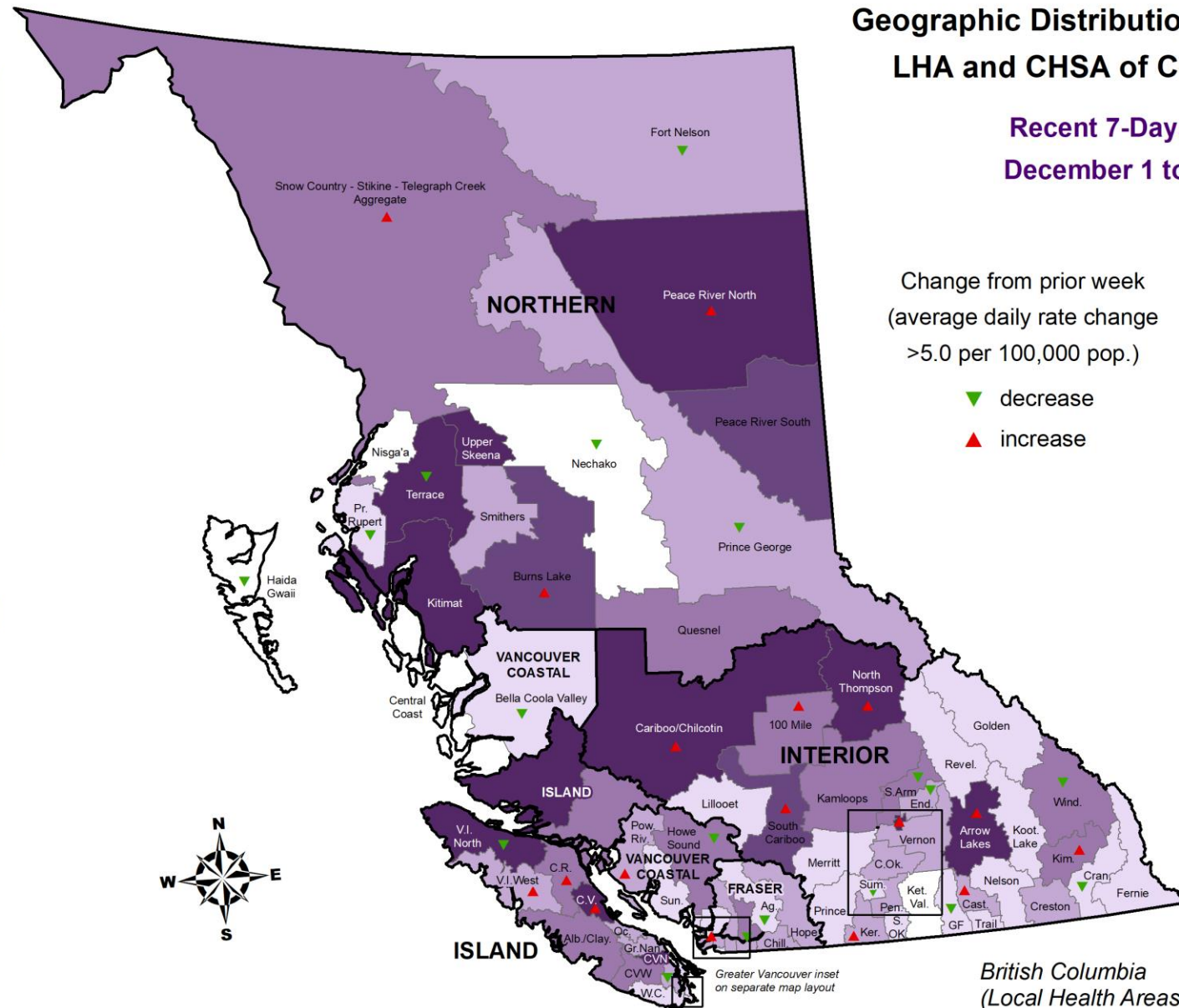
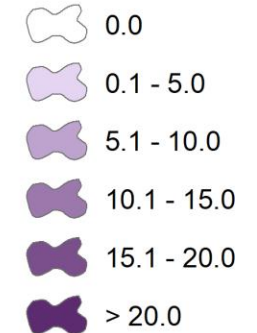
Geographic Distribution of COVID-19 by LHA and CHSA of Case Residence

Recent 7-Days Cases
December 1 to 7, 2021

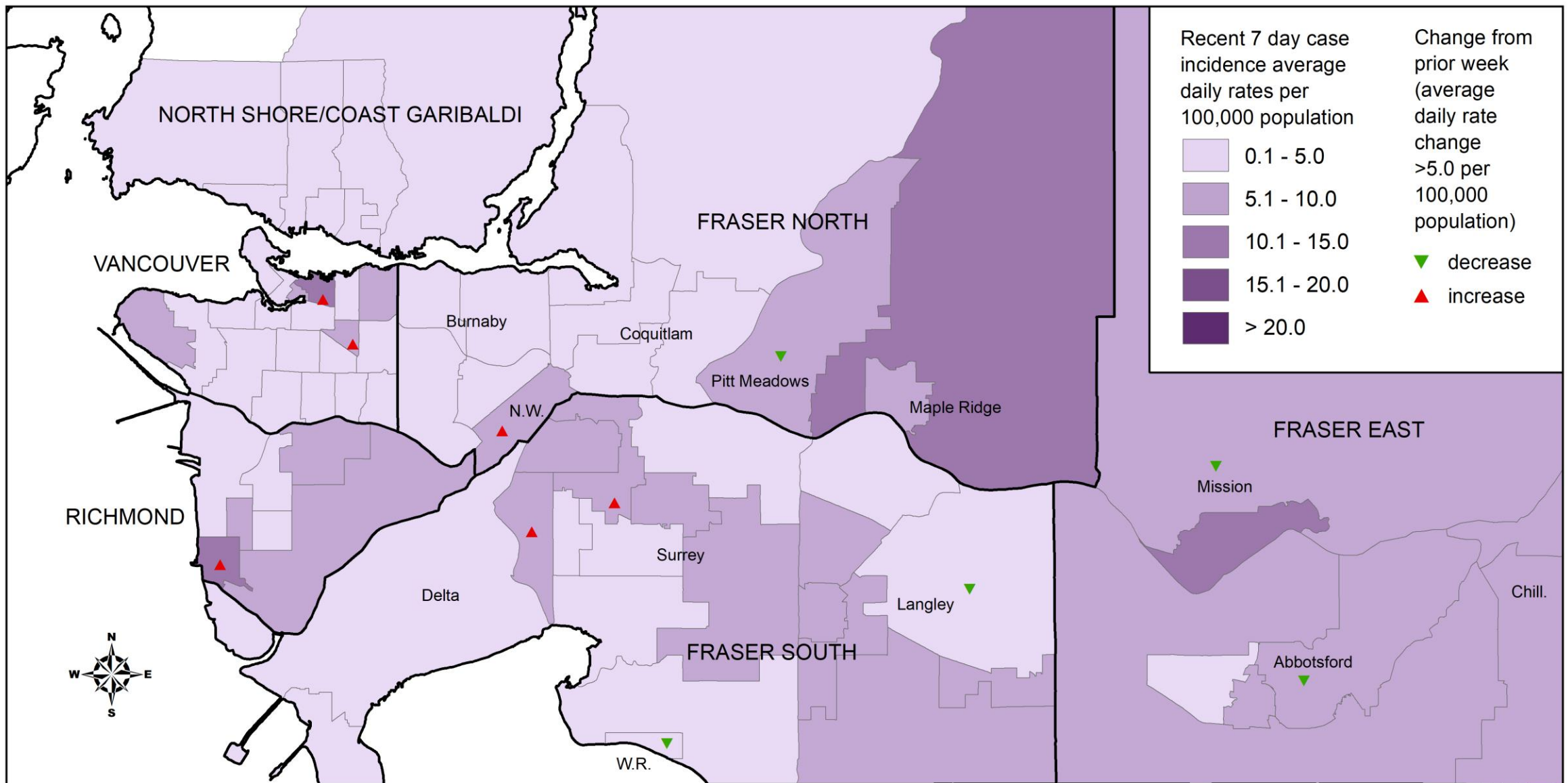
Change from prior week
(average daily rate change
>5.0 per 100,000 pop.)

▼ decrease
▲ increase

Average daily rate per
100,000 population

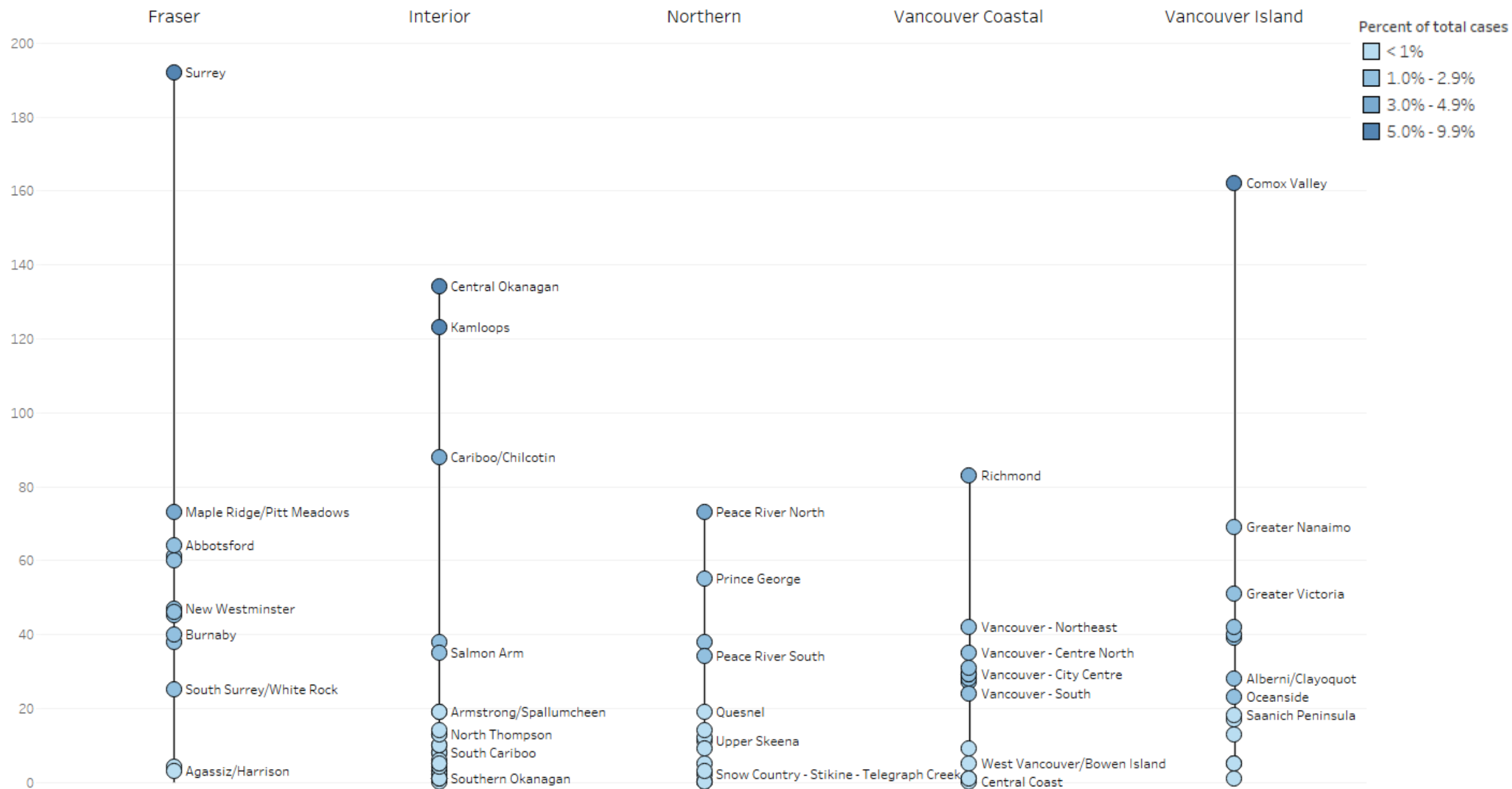


Data source: Public Health Reporting Data Warehouse (PHRDW) integrated COVID dataset; we operate in a live database environment and case information is updated as it becomes available. Cases are mapped by location of residence; cases with unknown residence and from out of province are not mapped. Data are by date of first positive test, or date reported to public health for epi-linked cases. Population denominator from BC Stats PEOPLE estimates for 2021.

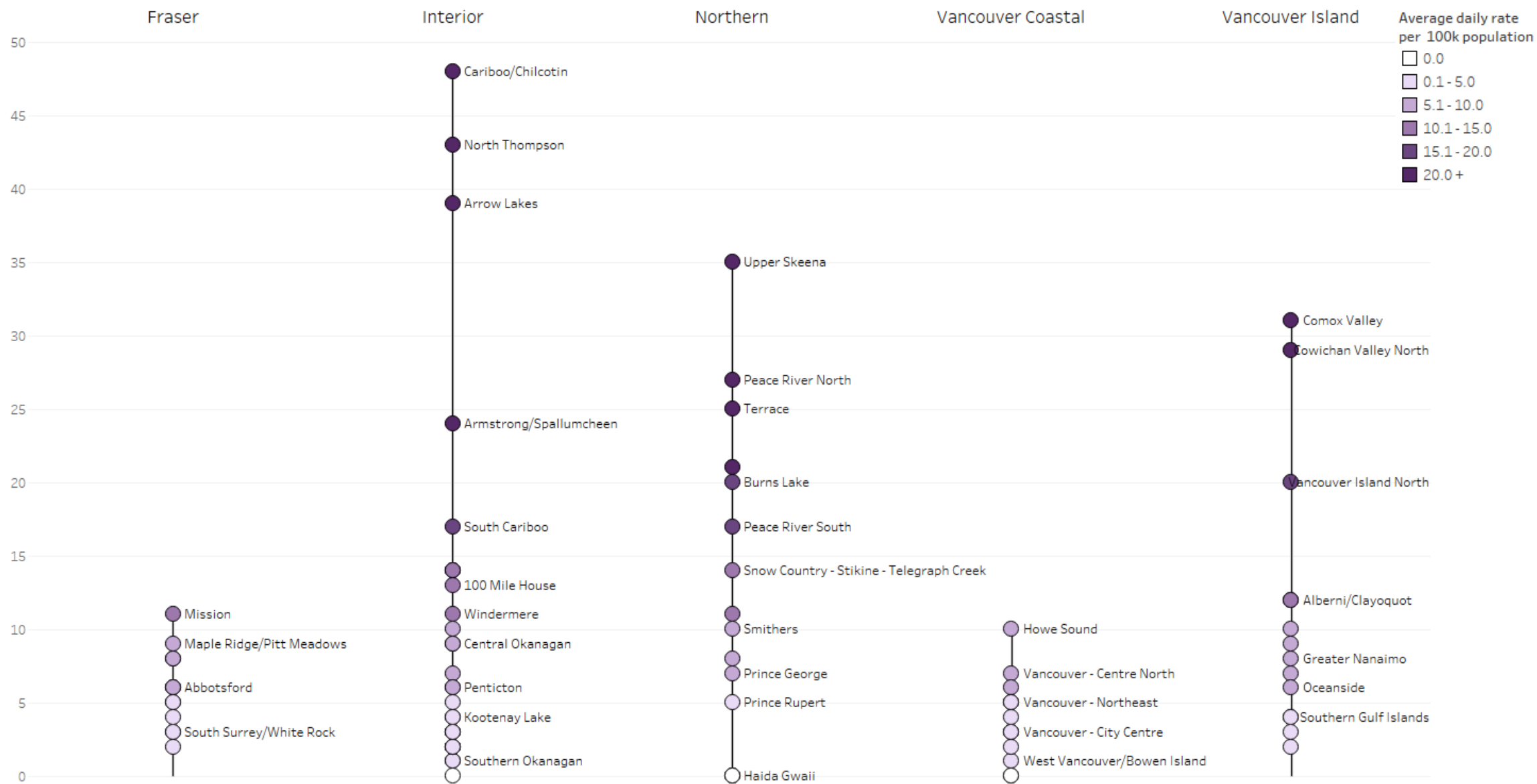


COVID-19 Recent 7-Day Case Incidence Rates by CHSA (December 1 to 7, 2021)

Total cases by local health area, Dec 01 - Dec 07, 2021



Average daily **case rate** of new cases per 100,000 population, by local health area, Dec 01 - Dec 07, 2021

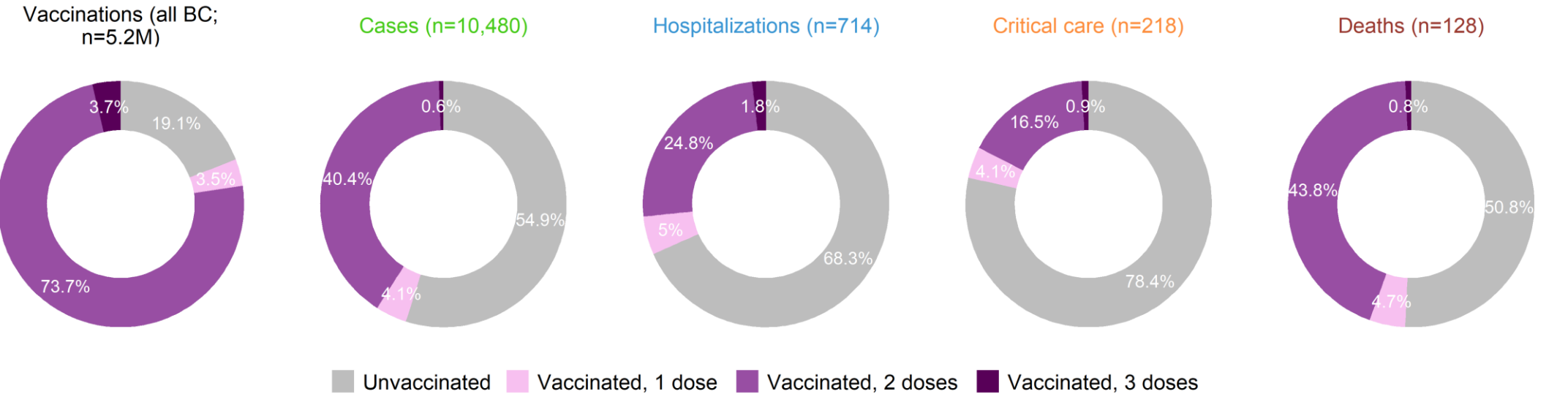


Key messages – vaccination coverage and outcomes by vaccine status

- **Vaccine coverage** in BC, 07 Dec 2021, 1 dose (2 doses): ~82% (78%) of total population, ~91% (88%) of 12+ eligible population. Lower vaccine coverage in Interior and Northern.
- Most of the recent cases and hospitalizations continue to be among unvaccinated individuals
- Based on data over the last 4 weeks, compared with fully vaccinated individuals and after adjusting for age differences, unvaccinated individuals are
 - **≈ 7x** more likely to become a case
 - **≈ 32x** more likely to be hospitalized
 - **≈ 56x** more likely to be admitted to critical care
 - NB: relative rates fluctuate over time and do not represent vaccine effectiveness
- **Unvaccinated:** no dose or not yet protected (<3 weeks since receipt of 1st dose; <10% of unvaccinated cases)
- **Vaccinated, 1 dose:** ≥3 weeks since receipt of 1st dose and <2 weeks after 2nd dose
- **Vaccinated, 2 doses:** 2 weeks or more after receipt of 2nd dose and <2 weeks after 3rd dose (if applicable)
- **Vaccinated, 3 doses:** 2 weeks or more after receipt of 3rd dose

Over the past month, **unvaccinated** individuals accounted for **~19%** of the population but **~55% of cases, ~68% of hospitalizations, and ~78% of critical care admissions.**

These % are expected to increase over time as more people get fully vaccinated and there are fewer unvaccinated people. There are many more vaccinated individuals than unvaccinated individuals, and thus it is important to take the denominator into account. These figures do not represent vaccine effectiveness.



Data include cases from Nov 10-Dec 07, hospitalizations, critical care admissions and deaths from Nov 07-Dec 04, and vaccination statistics on Nov 23, 2021

A large proportion of deaths is among older (80+) individuals, >90% of whom are fully vaccinated, which explains the higher relative % of deaths among the fully vaccinated.

We operate in a live database environment and data get updated retrospectively. These figures may differ slightly from previously reported counts. Cases are captured based on surveillance date. Hospitalizations are by admission date. Deaths are by date of death. Please note that there is often a multiple-days lag in recording hospitalizations and deaths, e.g. some hospital admissions that occurred on Sept 24th may not be captured in our surveillance system until Sept 29th.

As more individuals in BC get vaccinated, we expect the % of cases that are among the vaccinated to grow.

In populations/ settings with very high vaccination coverage, (e.g. health care workers, post secondary students, long term care home residents - where coverage can be as high as 97% or more), by definition, the vast majority of cases will be among the vaccinated.

10,480 cases: November 10 - December 07, 2021

5,757 cases unvaccinated

430 cases vaccinated, 1 dose

4,230 cases vaccinated, 2 doses



55%

of cases were unvaccinated

4%

of cases were vaccinated, 1 dose

40%

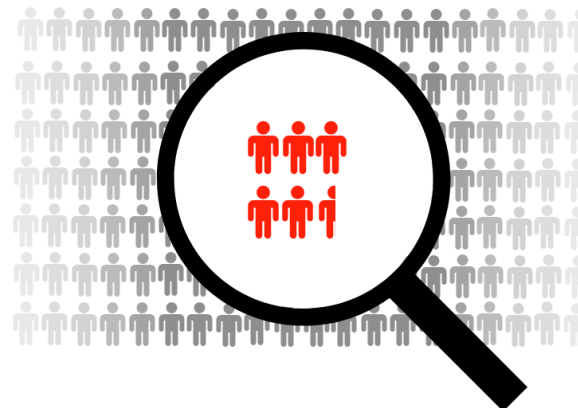
of cases were vaccinated, 2 doses

Denominators matter

$$\frac{5,757 \text{ cases per } 1.0\text{M people unvaccinated}}{4,230 \text{ cases per } 3.8\text{M people vaccinated, 2 doses}} = \frac{5,757 \text{ cases per } 1\text{M}}{1,113 \text{ cases per } 1\text{M}}$$

Unvaccinated

per 1,000,000 people



5,757 cases

Vaccinated, 2 doses

per 1,000,000 people

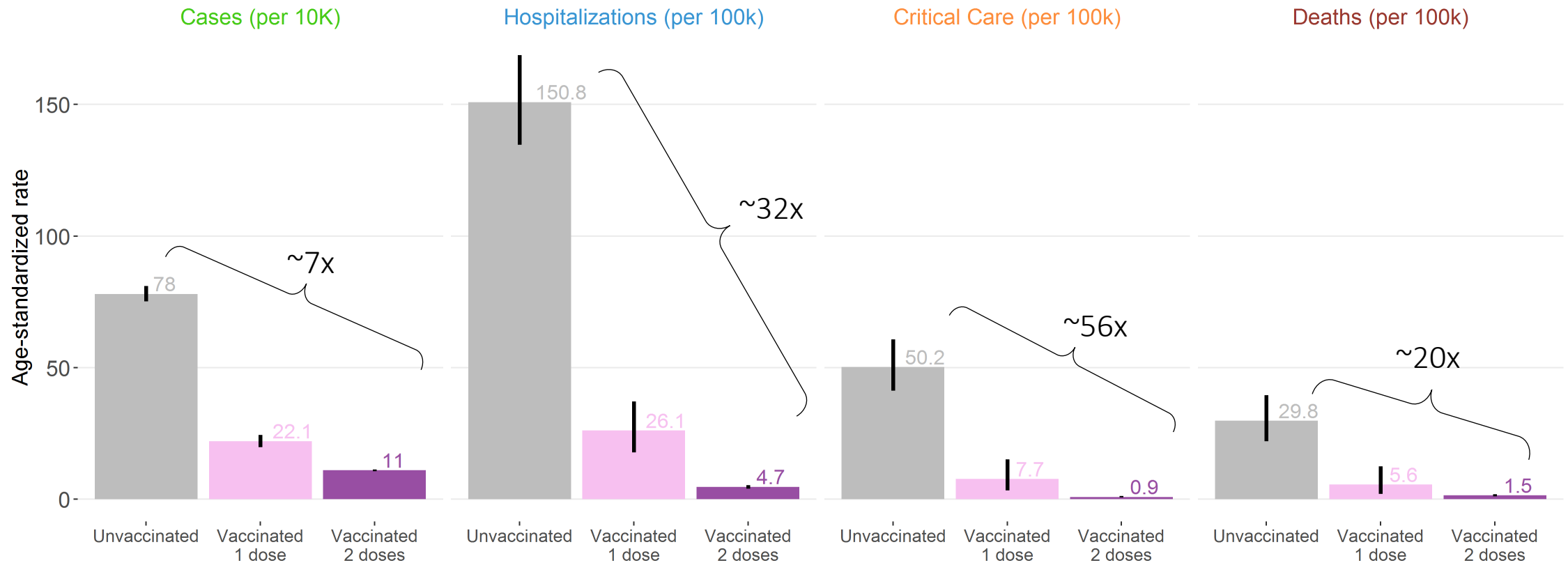


1,113 cases

= 1,000 people

After adjusting for age and the size of the population, **unvaccinated** individuals continue to be at a significantly higher risk of diagnosed infection, hospitalization, critical care admission and death from **COVID-19** compared with **2-dose vaccinated**

Relative rates fluctuate over time. These figures do not represent vaccine effectiveness.



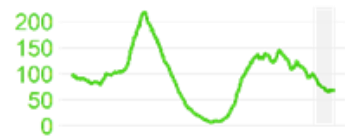
Data include cases from Nov 10-Dec 07, and hospitalizations, critical care admissions and deaths from Nov 07-Dec 04, 2021

COVID-19 health outcomes by vaccination status and age, BC, November 7 – December 07 2021

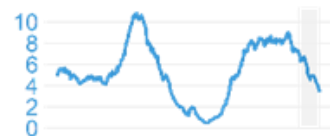
Trend in % total population vaccinated with at least 1 dose



Trend in daily cases per 1M



Trend in daily hospitalizations per 1M



Trend in daily critical care per 1M



Trend in daily deaths per 1M



Vaccinations (all BC; n=5.2M)



Cases (n=10,480)



Hospitalizations (n=714)



Critical care (n=218)



Deaths (n=128)



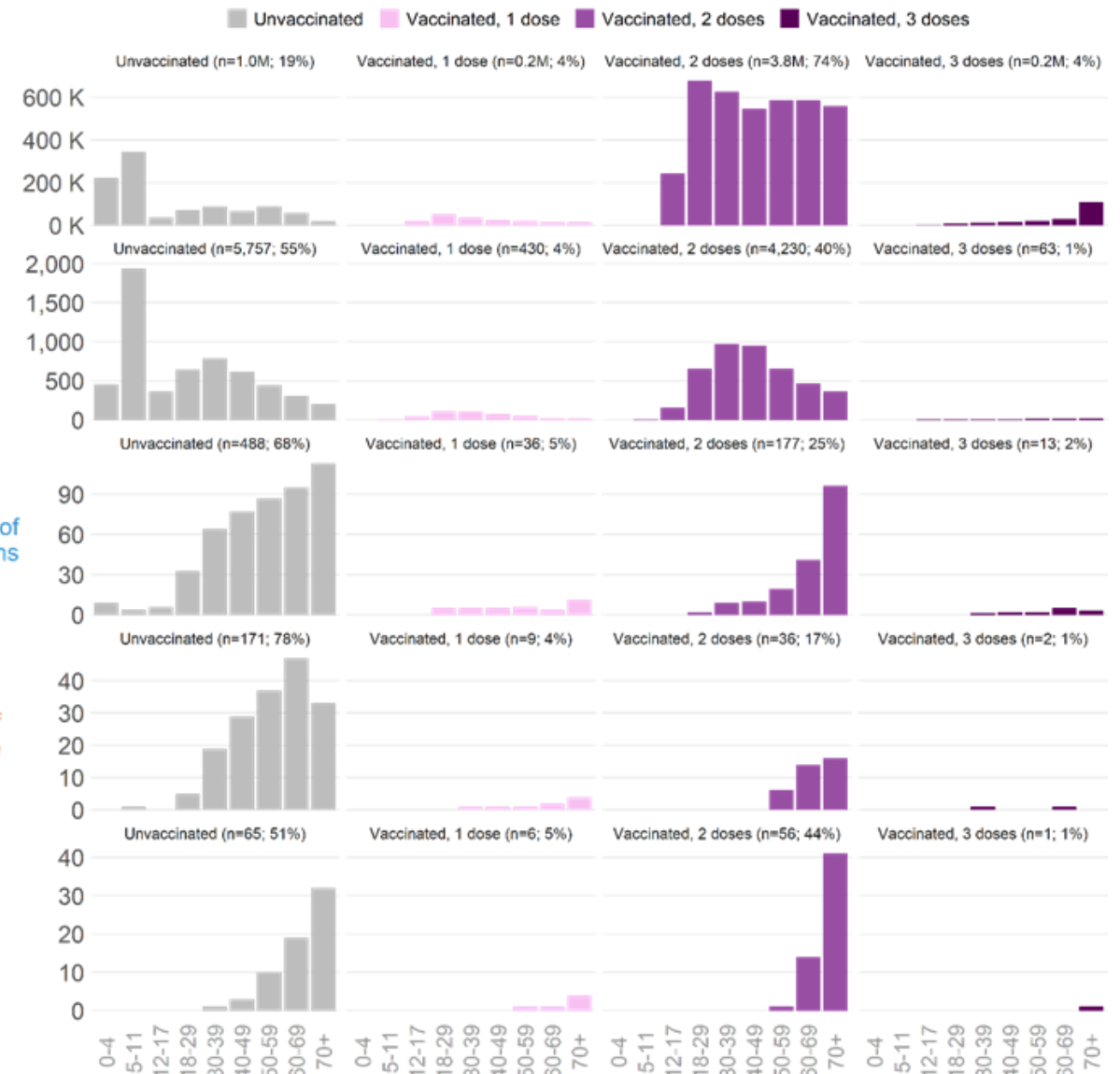
Number of people

Number of cases

Number of hospitalizations

Number of Critical care

Number of deaths

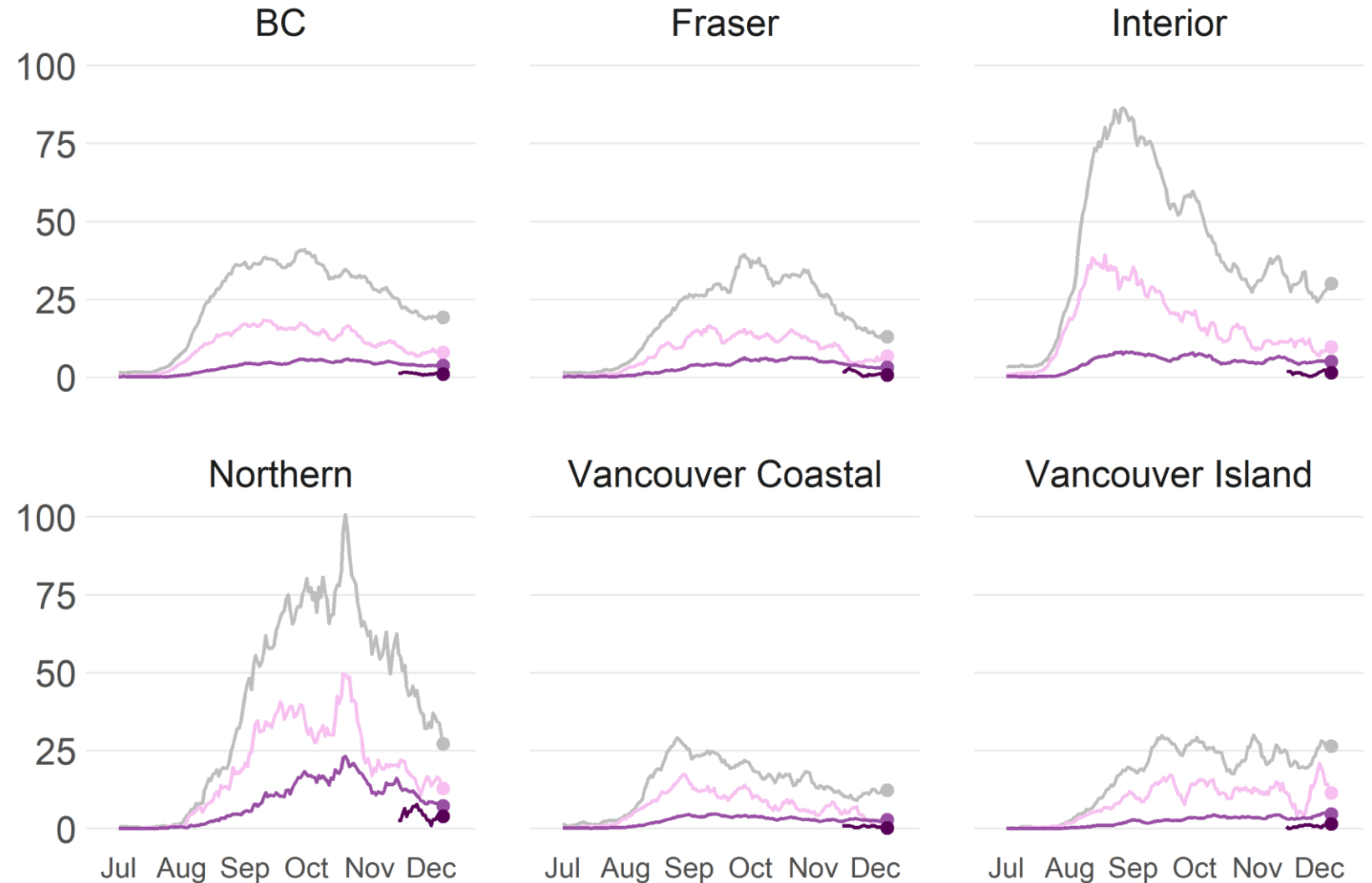


Data include cases from Nov 10-Dec 07, hospitalizations, critical care admissions and deaths from Nov 07-Dec 04, and vaccination statistics on Nov 23, 2021

COVID-19 **case** rate by vaccination status and Health Authority, July 1 – Dec 9, 2021

Rate of new daily cases per 100,000 population
(7-day moving average of crude rate)

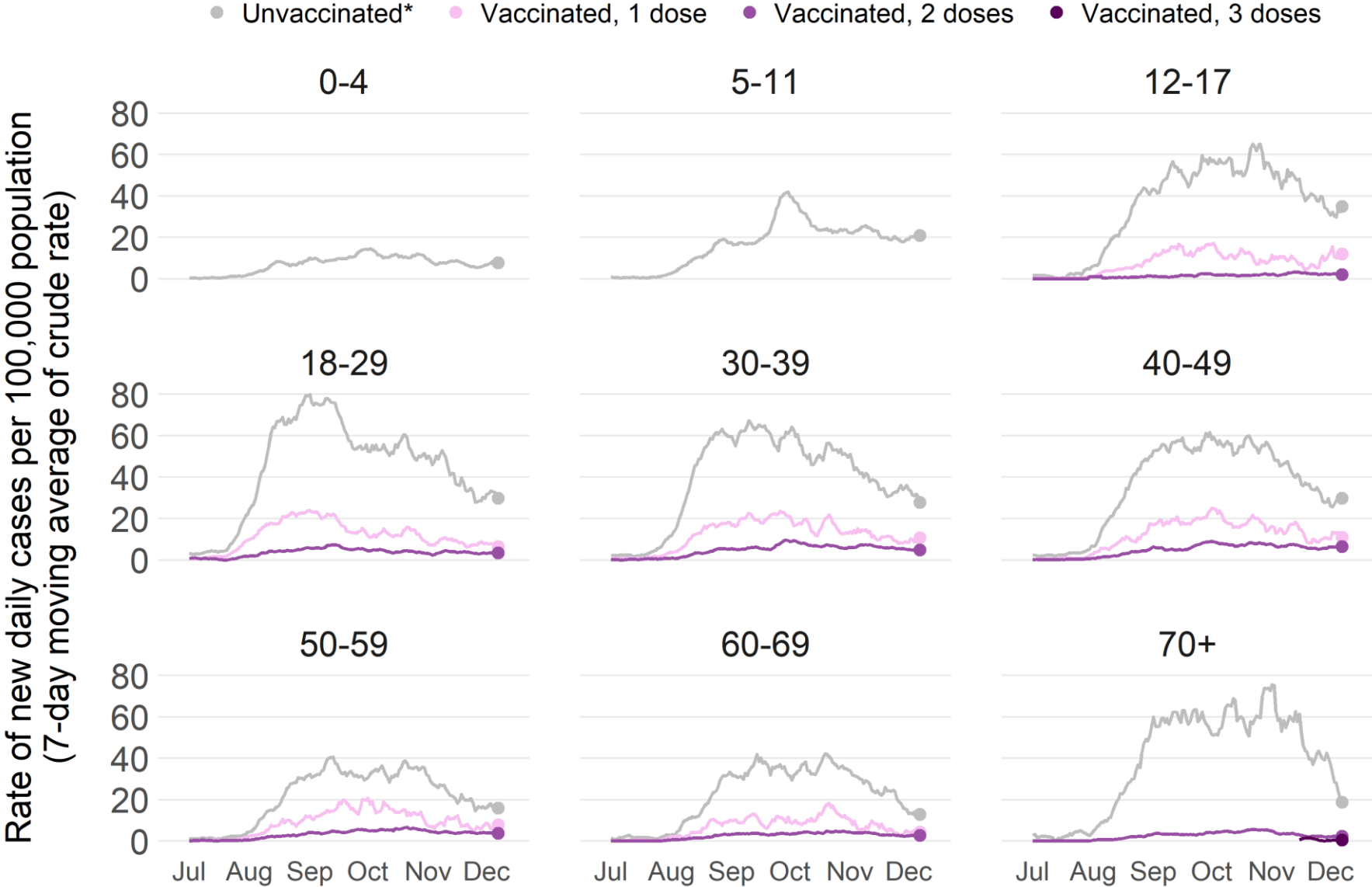
● Unvaccinated* ● Vaccinated, 1 dose ● Vaccinated, 2 doses ● Vaccinated, 3 doses



Denominators for each vaccine status group are dynamic and change daily as people flow from being unvaccinated to protected by 1 dose to protected by 2 doses. Therefore, the denominators are different across groups and over time.

*Unvaccinated includes cases who have received 1 dose but not yet protected (episode date <21 days after 1st dose administration date); These represent 6% of the total unvaccinated cases since 1 July 2021.
Data extracted from health authority case line list on 09 Dec 2021

COVID-19 **case** rate by vaccination status and age, July 1 – Dec 9, 2021



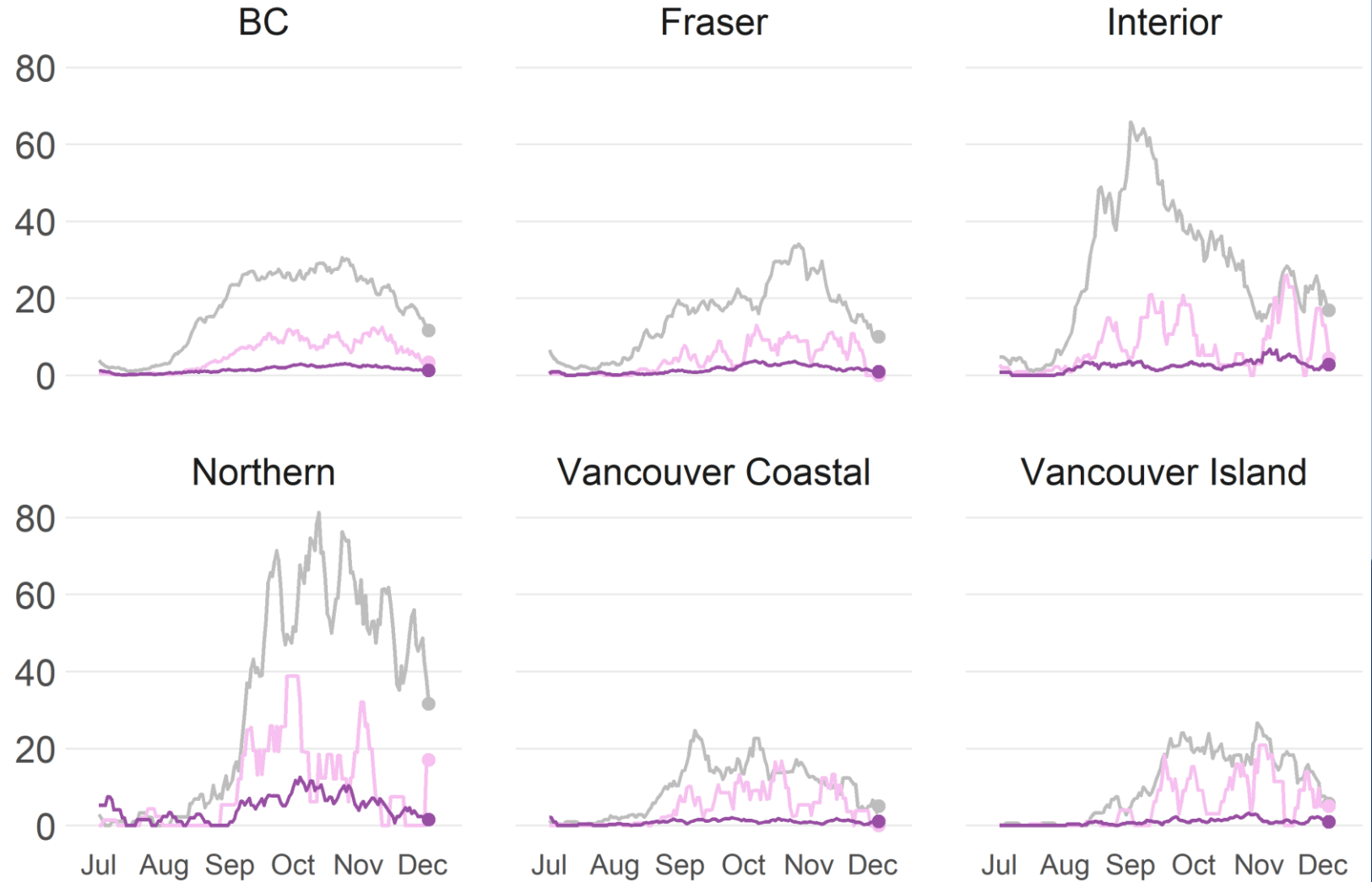
Denominators for each vaccine status group are dynamic and change daily as people flow from being unvaccinated to protected by 1 dose to protected by 2 doses. Therefore, the denominators are different across groups and over time.

*Unvaccinated includes cases who have received 1 dose but not yet protected (episode date <21 days after 1st dose administration date); These represent 6% of the total unvaccinated cases since 1 July 2021.
Data extracted from health authority case line list on 09 Dec 2021

COVID-19 hospitalization rate by vaccination status, July 1 – Dec 4, 2021

Rate of new daily hospitalizations per 1M population (7-day moving average of crude rate)

● Unvaccinated* ● Vaccinated, 1 dose ● Vaccinated, 2 doses



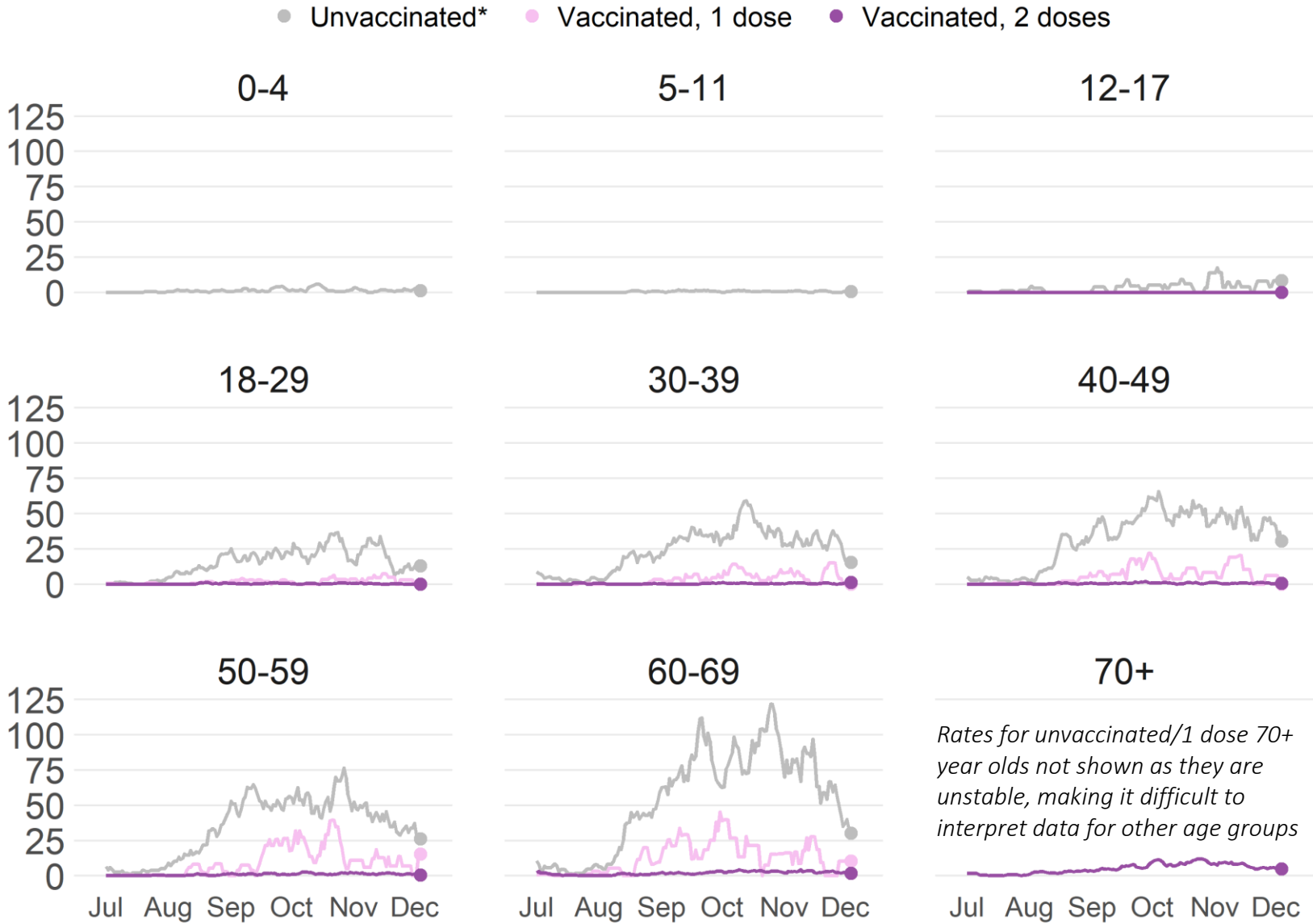
Data by hospital admission date.
Denominators for each vaccine status group are dynamic and change daily as people flow from being unvaccinated to protected by 1 dose to protected by 2 doses. Therefore, the denominators are different across groups and over time.

*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 04 Dec 2021

COVID-19 hospitalization rate by vaccination status and age, July 1 – Dec 4, 2021

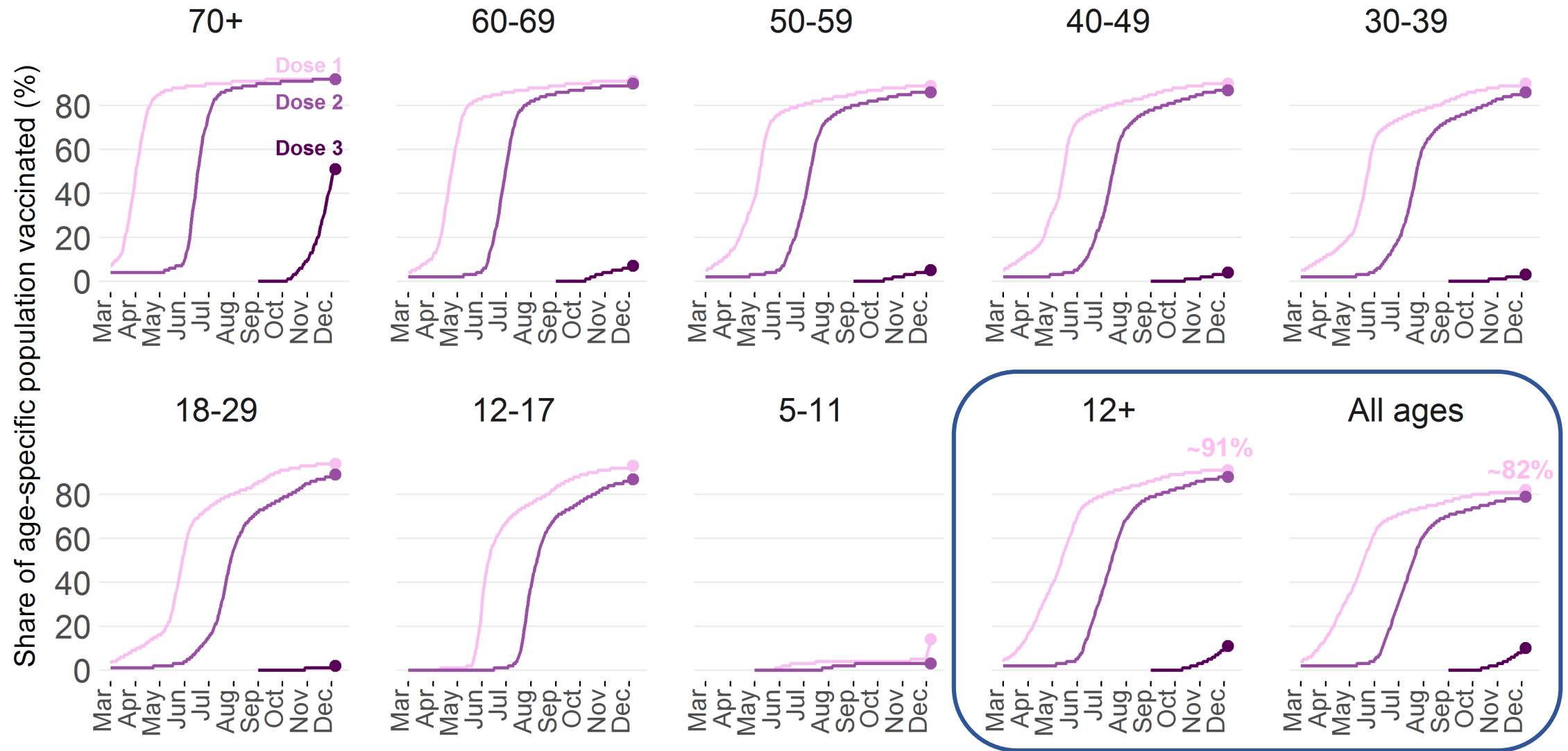
Denominators for each vaccine status group are dynamic and change daily as people flow from being unvaccinated to protected by 1 dose to protected by 2 doses. Therefore, the denominators are different across groups and over time.

Rate of new daily hospitalizations per 1M population (7-day moving average of crude rate)



*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 04 Dec 2021

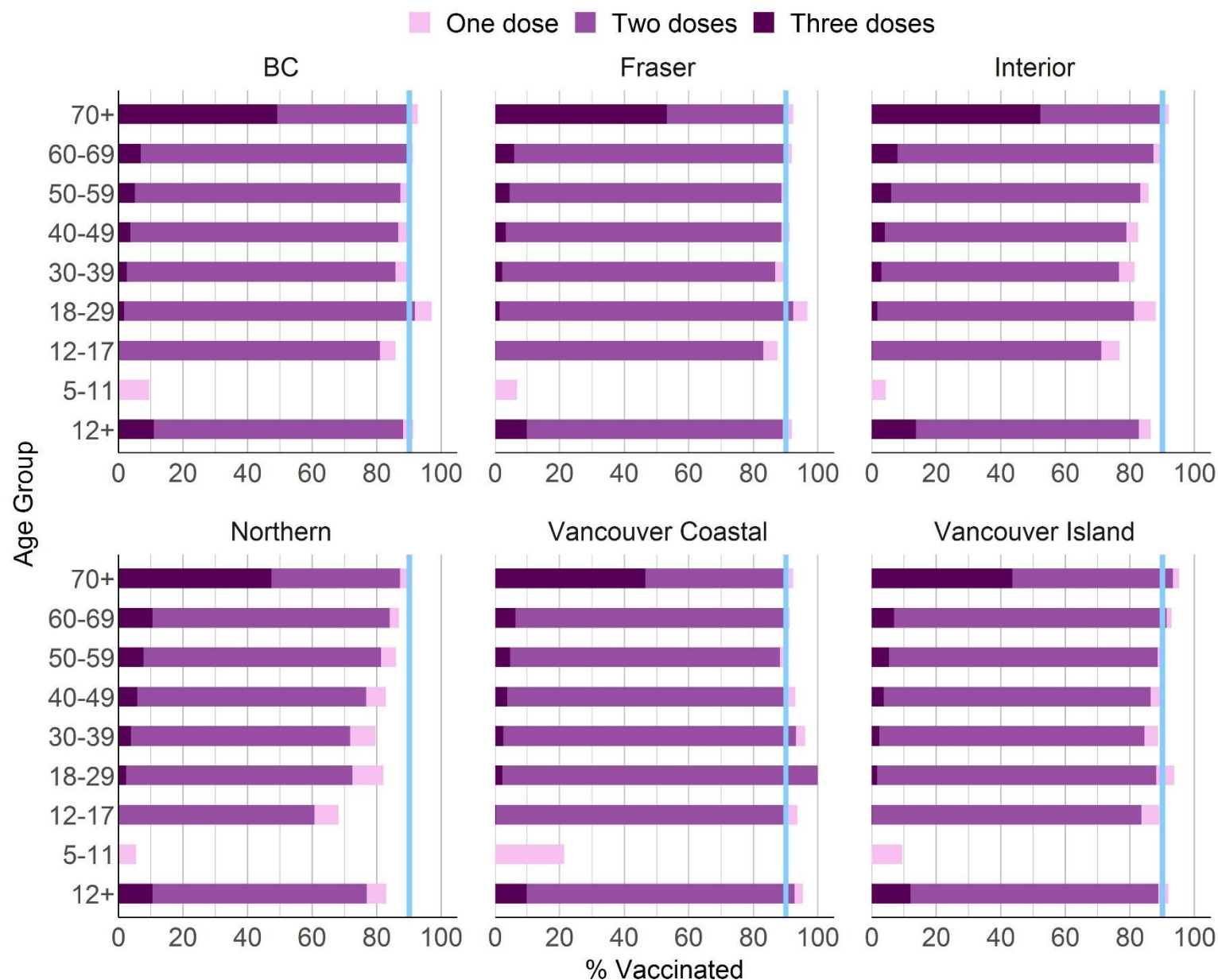
Vaccination progress in BC over time by age group and dose number up to Dec. 07, 2021



Data updated 2021-12-07
Data Source: Provincial Immunization Registry, PHSA

Vaccination progress in BC and by Health Authority as of Dec. 07, by age group and dose number (%)

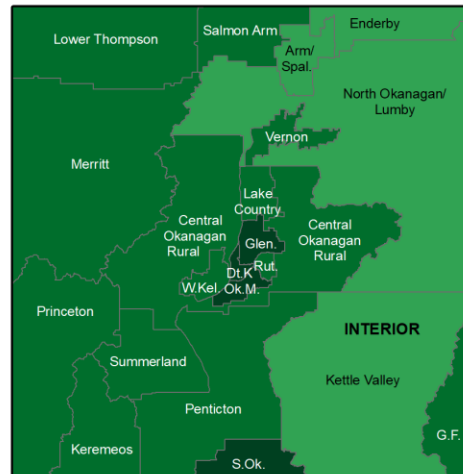
Denominator for this graph is Client Roster maintained by the BC Ministry of Health. Client Roster population data are sourced from a list of all residents registered with Medical Services Plan as of March 12, 2021. Since this date, people may have moved, permanently or temporarily, and have been vaccinated or reported their vaccination status. As a result, there are areas in BC where there will be more people vaccinated than there were living in that area in March 2021. The Client Roster likely underrepresents new arrivals into a region such as young adults relocating to attend post-secondary institutes and workers at major construction project areas. An alternative denominator would be based on projections derived from Census 2016, which is also not representative of the current BC population. There is no perfect denominator.



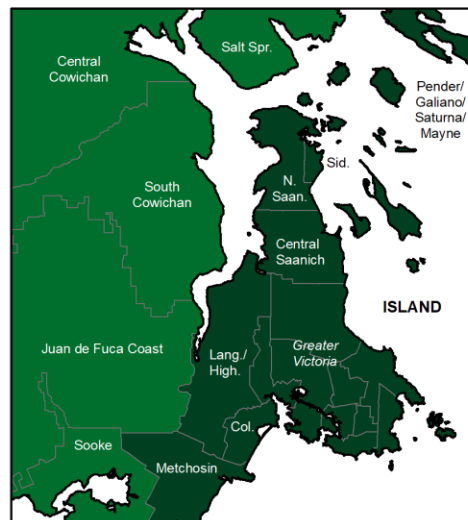
Blue line is for visual reference only

Data updated 2021-12-07
Data Source: Ministry of Health

Okanagan Inset
(Community Health Service Areas)



Greater Victoria Inset
(Community Health Service Areas)



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

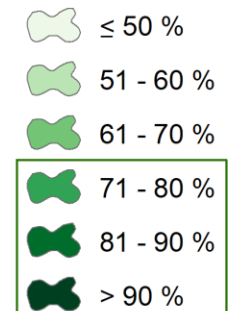
**Ages 12+: 1st Dose
up to December 6, 2021**

Change from prior week
(absolute change)

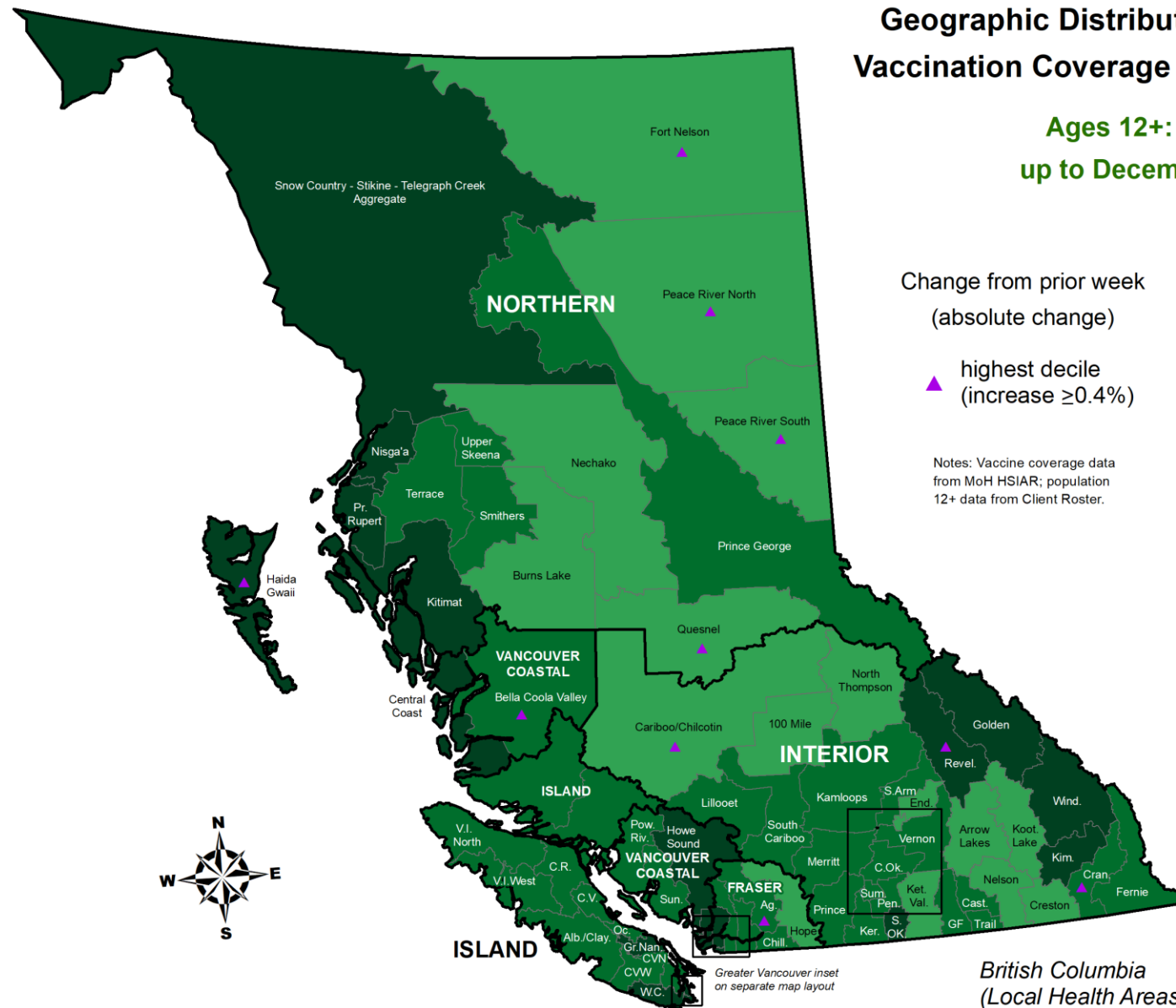
▲ highest decile
(increase $\geq 0.4\%$)

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

Vaccination coverage
rate (%) of persons 12+

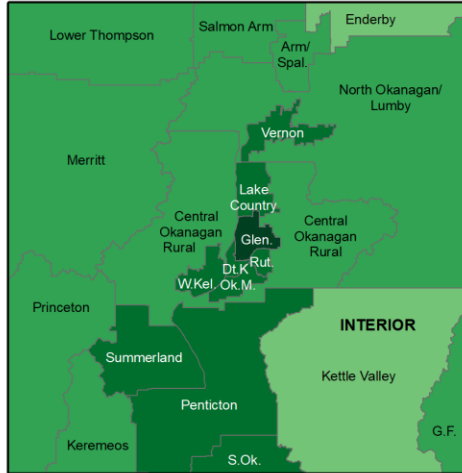


Values in the current map

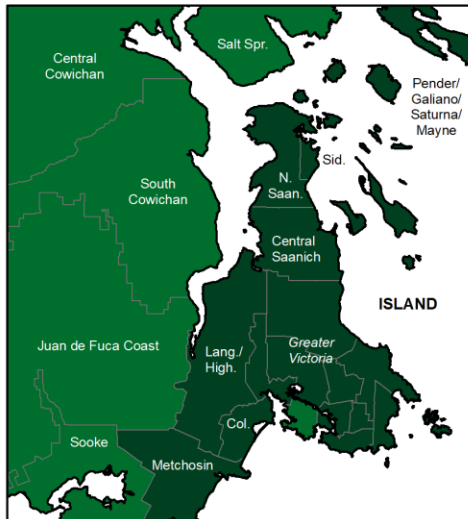


British Columbia
(Local Health Areas)

Okanagan Inset
(Community Health Service Areas)



Greater Victoria Inset
(Community Health Service Areas)



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

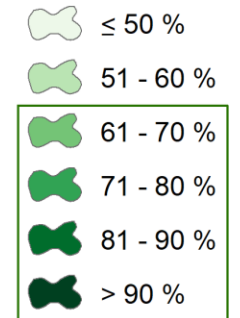
Ages 12+: 2nd Dose
up to December 6, 2021

Change from prior week
(absolute change)

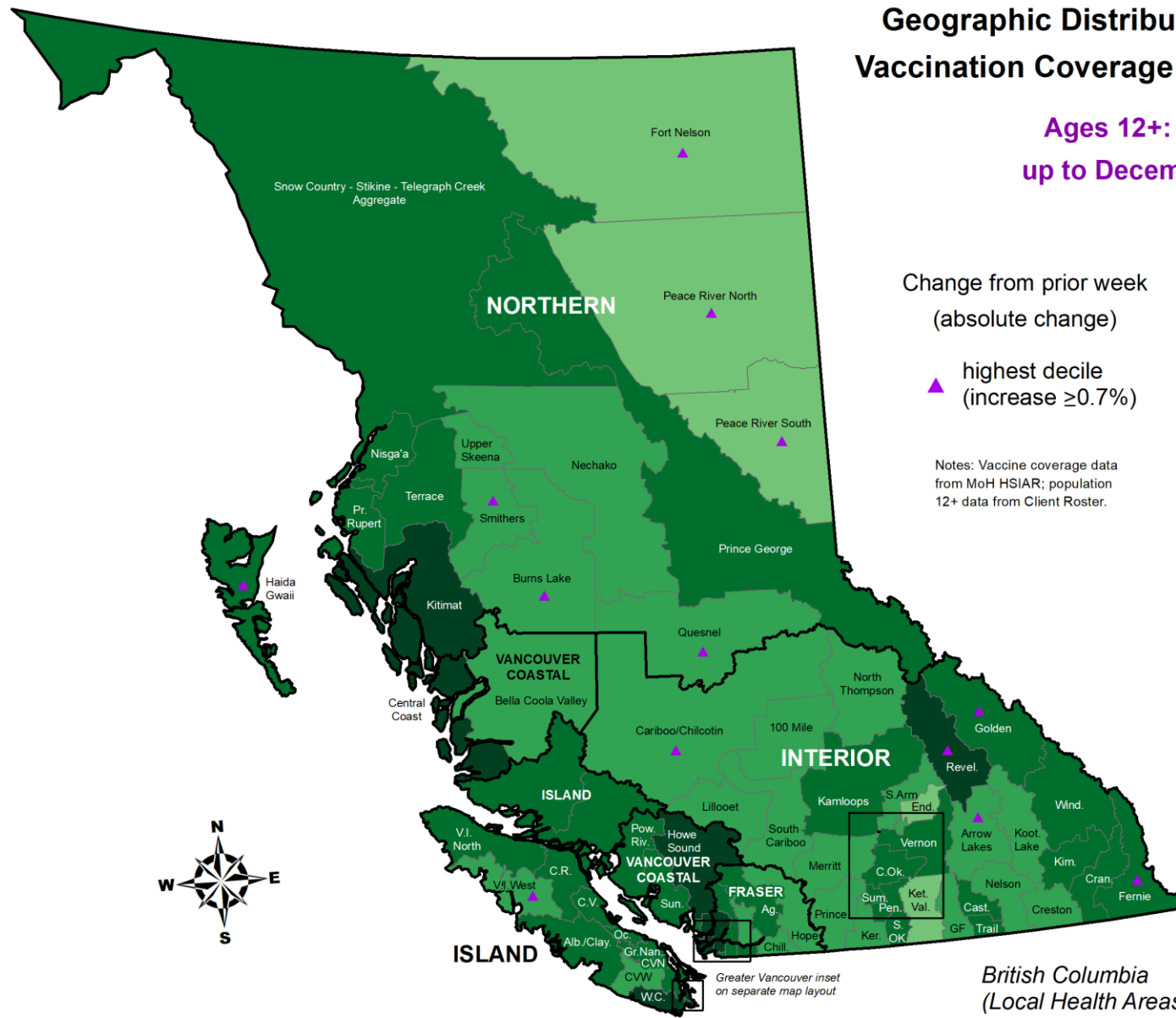
▲ highest decile
(increase $\geq 0.7\%$)

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

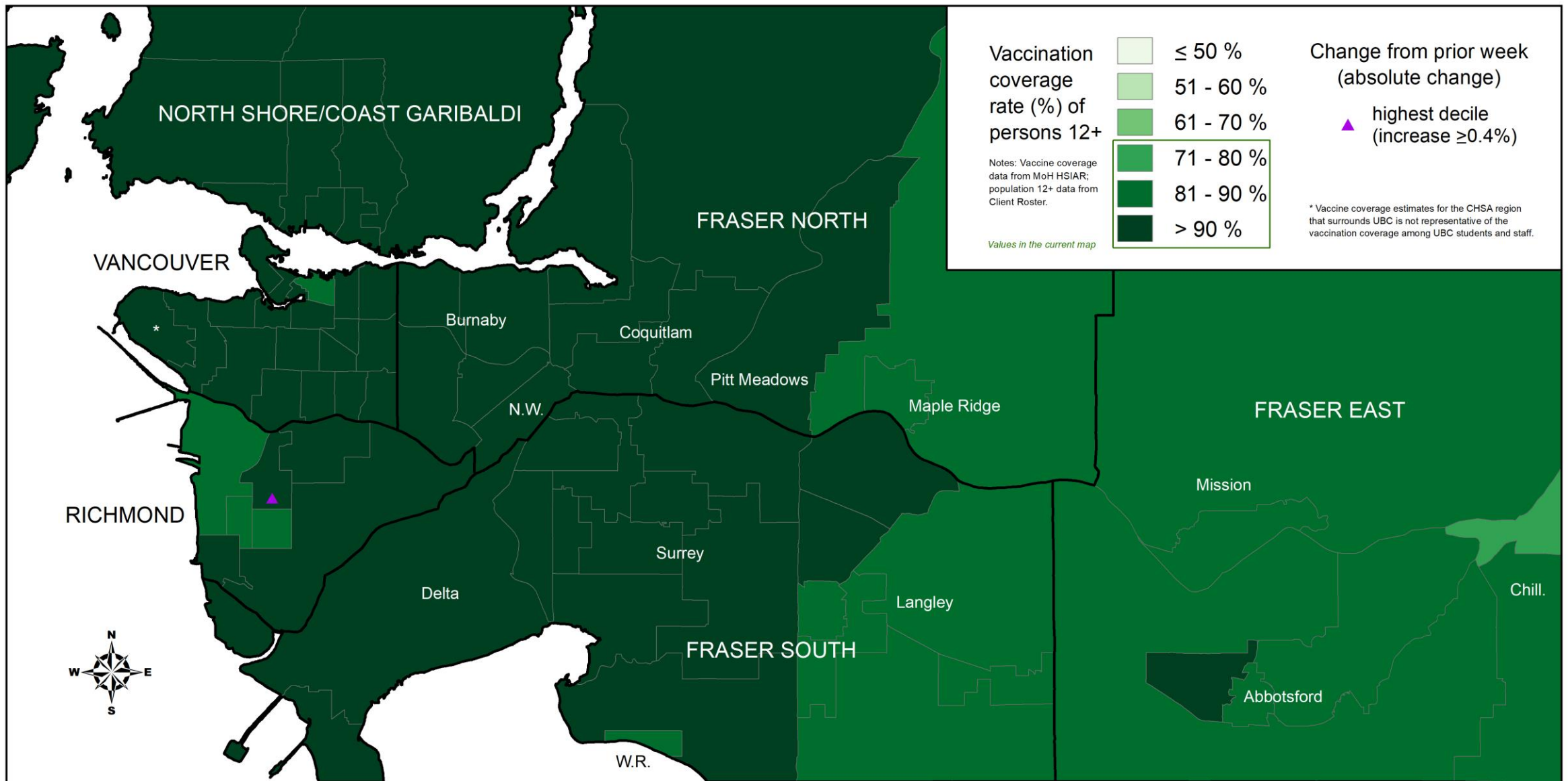
Vaccination coverage
rate (%) of persons 12+



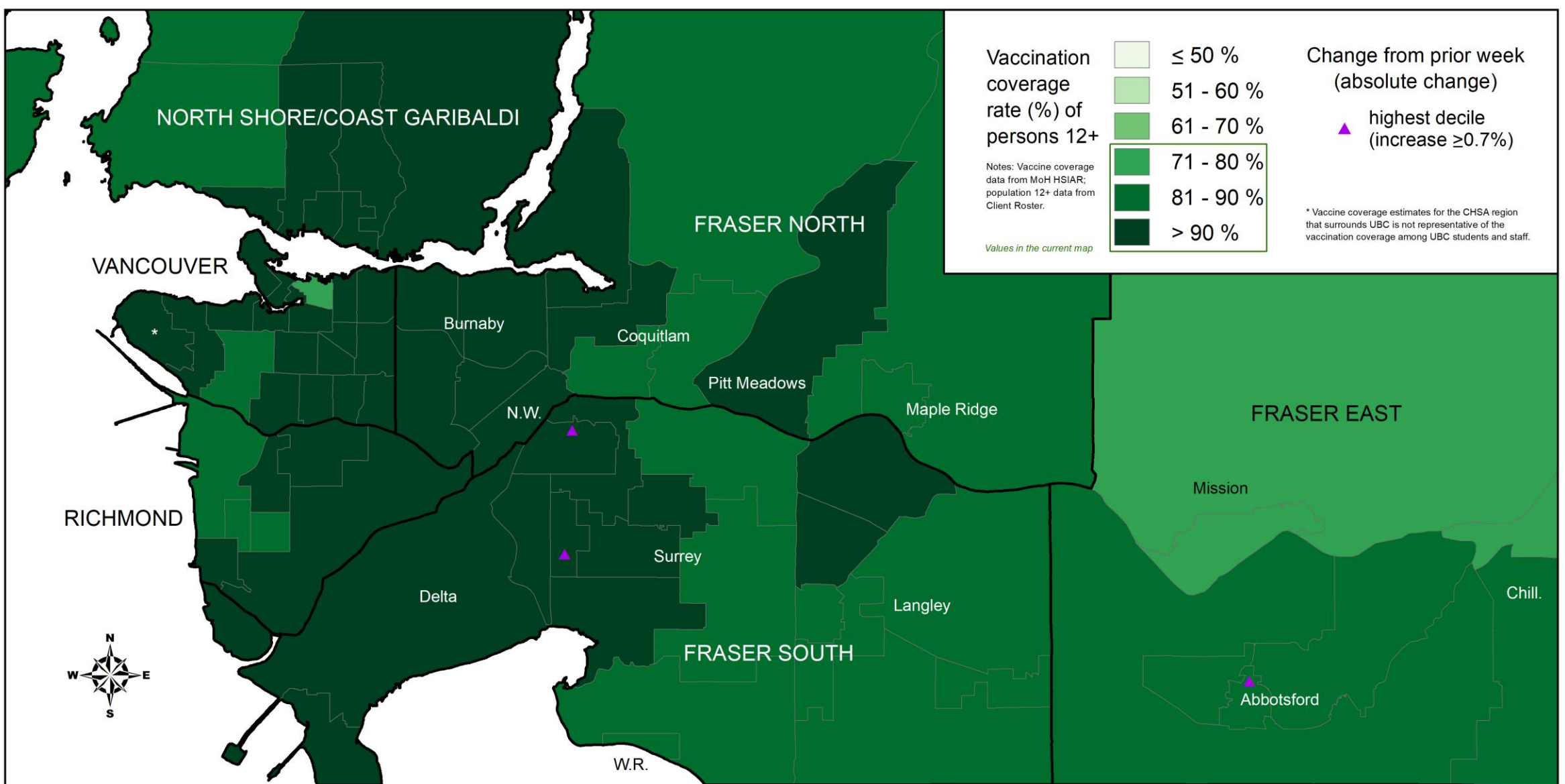
Values in the current map



British Columbia
(Local Health Areas)



COVID-19 Vaccination Coverage by CHSA: Ages 12+ 1st Dose (up to December 6, 2021)

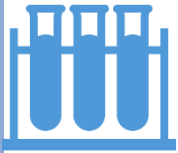


COVID-19 Vaccination Coverage by CHSA: Ages 12+ 2nd Dose (up to December 6, 2021)

Lab - Key Messages

- **Test positivity** among publicly funded tests is stable (~4.9%)
 - Test positivity varies by HA, ranging from 3% in VCH to 13% in NH
 - Test positivity and incidence are increasing in North Vancouver Island
- Publicly funded **testing** is stable (~51K total public tests this week)
- The provincial weekly median **turnaround time** (time from specimen collection to lab result) is low at 13 hours, indicating good testing capacity; 3 in 4 tests took ≤ 18 hours to result.
- **Delta** sublineages AY.25 and AY.27 remain the most prevalent COVID-19 variants in BC across all age groups and all health authorities. In the last epi week, Delta consisted of ~100% of all sequenced specimens.
- 44 cases of **Omicron** variant reported to date, close to half related to international travel
- Viral signals from **wastewater** collection sites in Metro Vancouver reflect case trends in these regions
- More lab & genomic information can be found in the weekly [VOC Report](#)

Weekly Summary of ALL lab tests performed



4,705,650

total specimens tested

82,907

new this epi week



↑ 2% relative to last week



231,619

total positive specimens

2,542

new positive this epi week



3.1% positivity
0% absolute change from last week

15 hr

mean turnaround time (TAT)

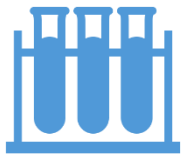
13 [9-18]

Median [Q1 – Q3] TAT



↑ 4% TAT relative to last week

Weekly Summary of Lab tests paid Publicly



3,488,834

total specimens tested

50,551

new this epi week



↑ 1% relative to last week



228,602

total positive specimens

2,481

new positive this epi week



4.9% positivity
0% absolute change from last week

34

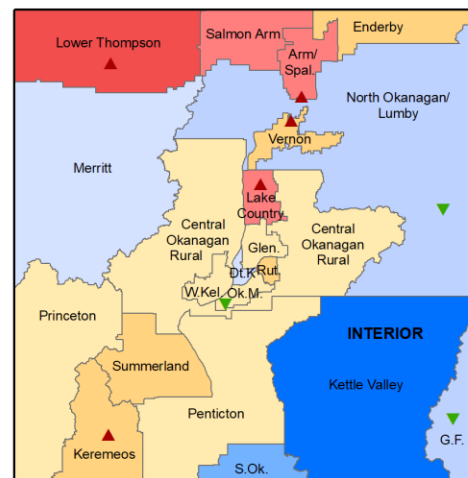
Data source: PLOVER extract at 10:30am on December 8, 2021.
Epi week 48 (Nov 28 – Dec 4)

Testing, positivity, and turnaround time data
are available in the [Daily COVID Dashboard](#)

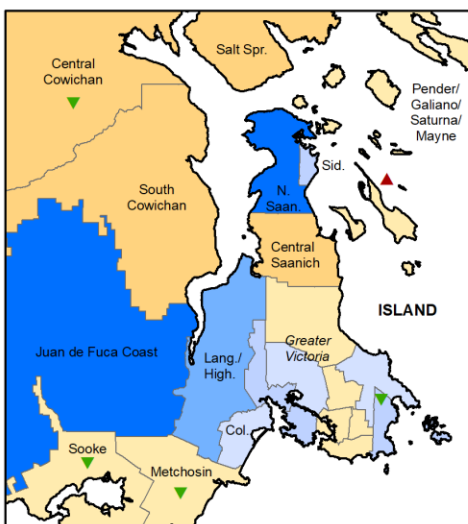


BC Centre for Disease Control

Okanagan Inset
(Community Health Service Areas)

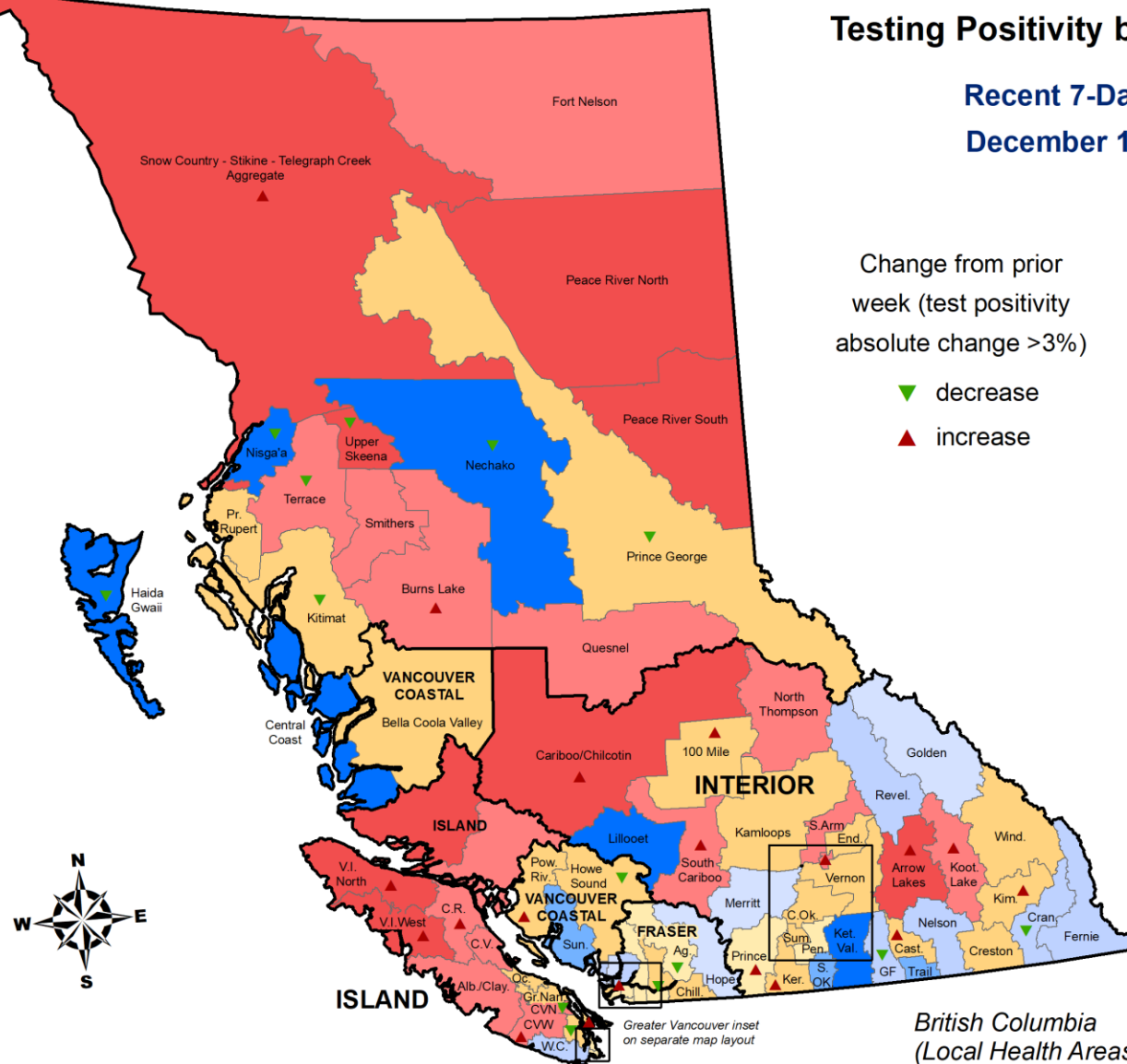


Greater Victoria Inset
(Community Health Service Areas)

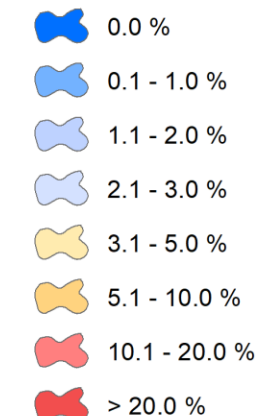


Geographic Distribution of COVID-19 Testing Positivity by LHA and CHSA

Recent 7-Days Testing
December 1 to 7, 2021



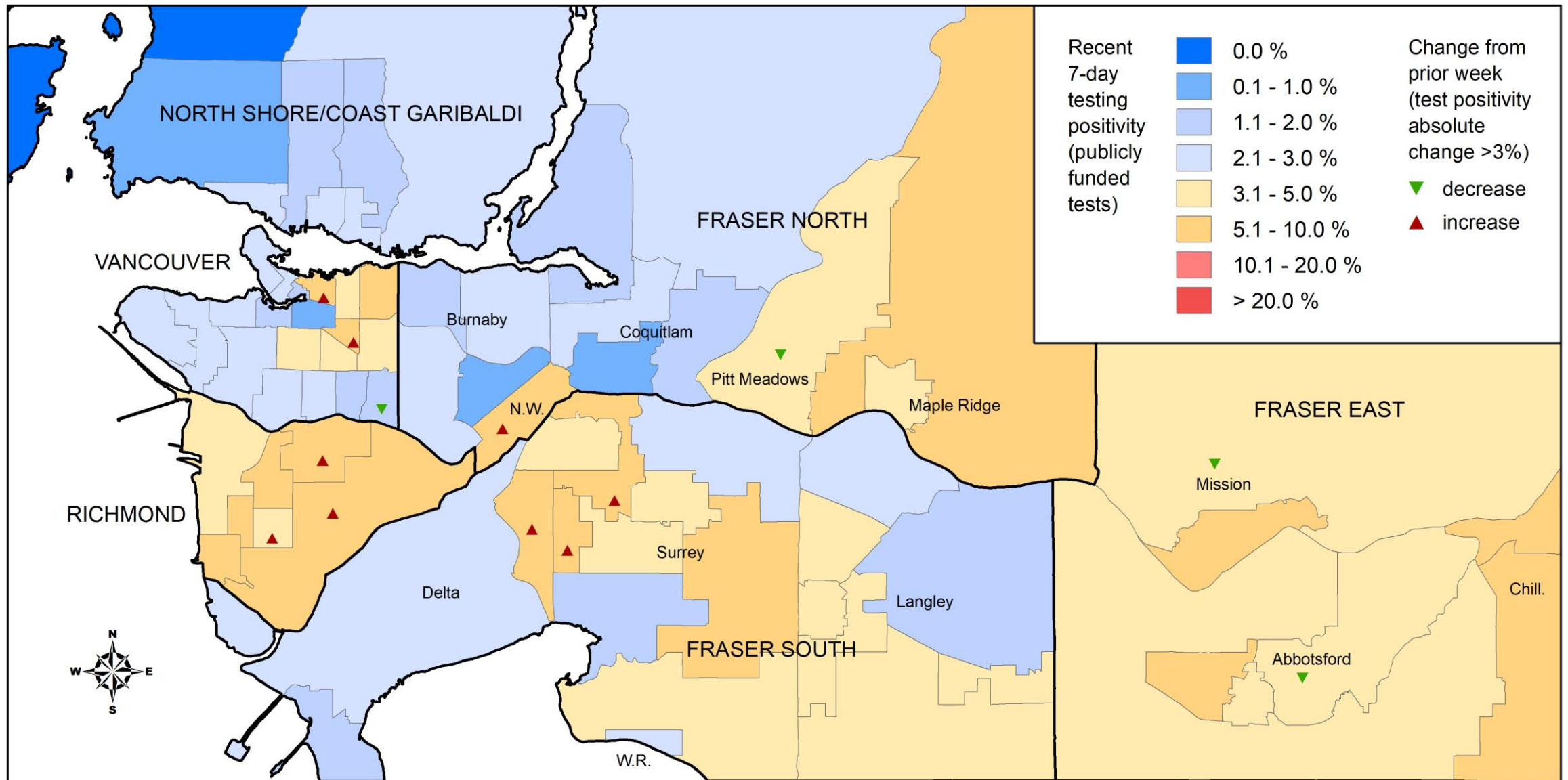
Test positivity rate



Change from prior
week (test positivity
absolute change >3%)

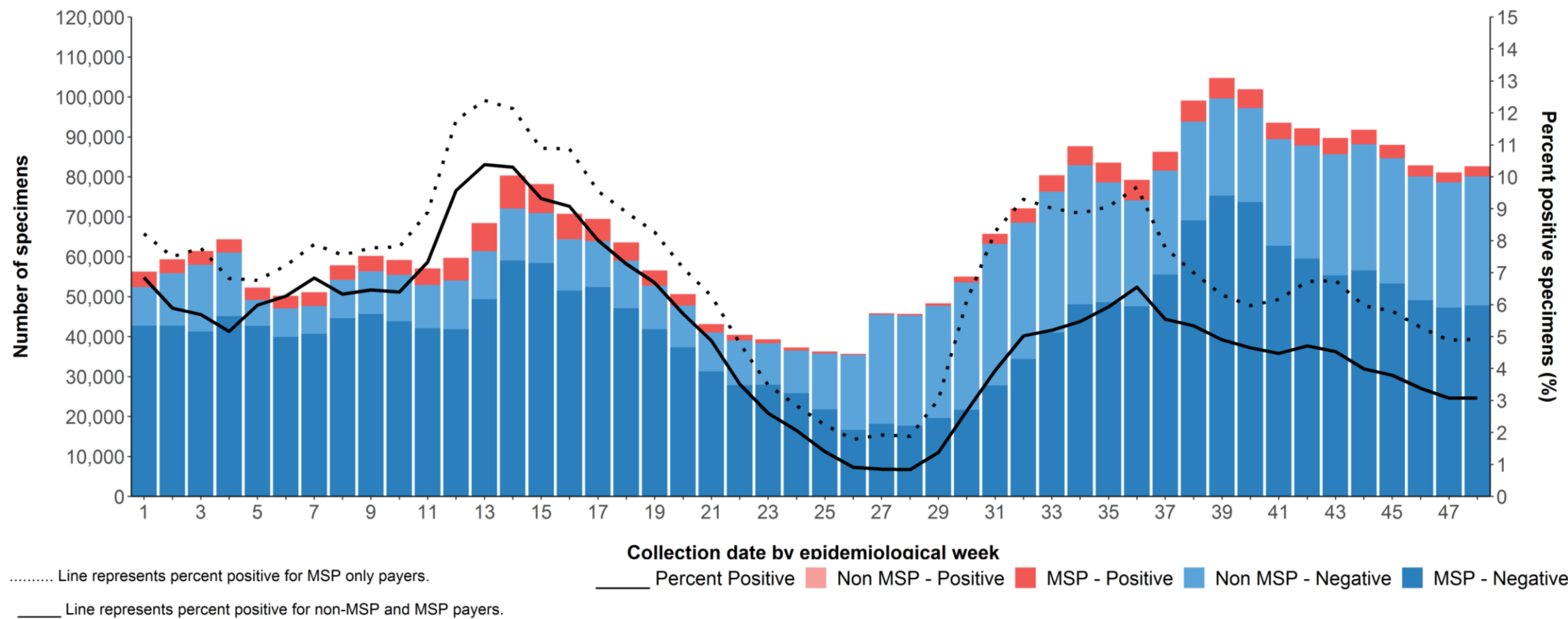
▼ decrease
▲ increase

Data source: BCCDC Public Health Laboratory PLOVER system (publicly funded tests performed). Data are by testing result date, and location of client's residence or if missing, physician's address.



COVID-19 Recent 7-Day Test Positivity by CHSA (December 1 to 7, 2021)

Among publicly funded specimens, percent positivity (4.9% this week) and number of specimens tested continue to slowly decline.

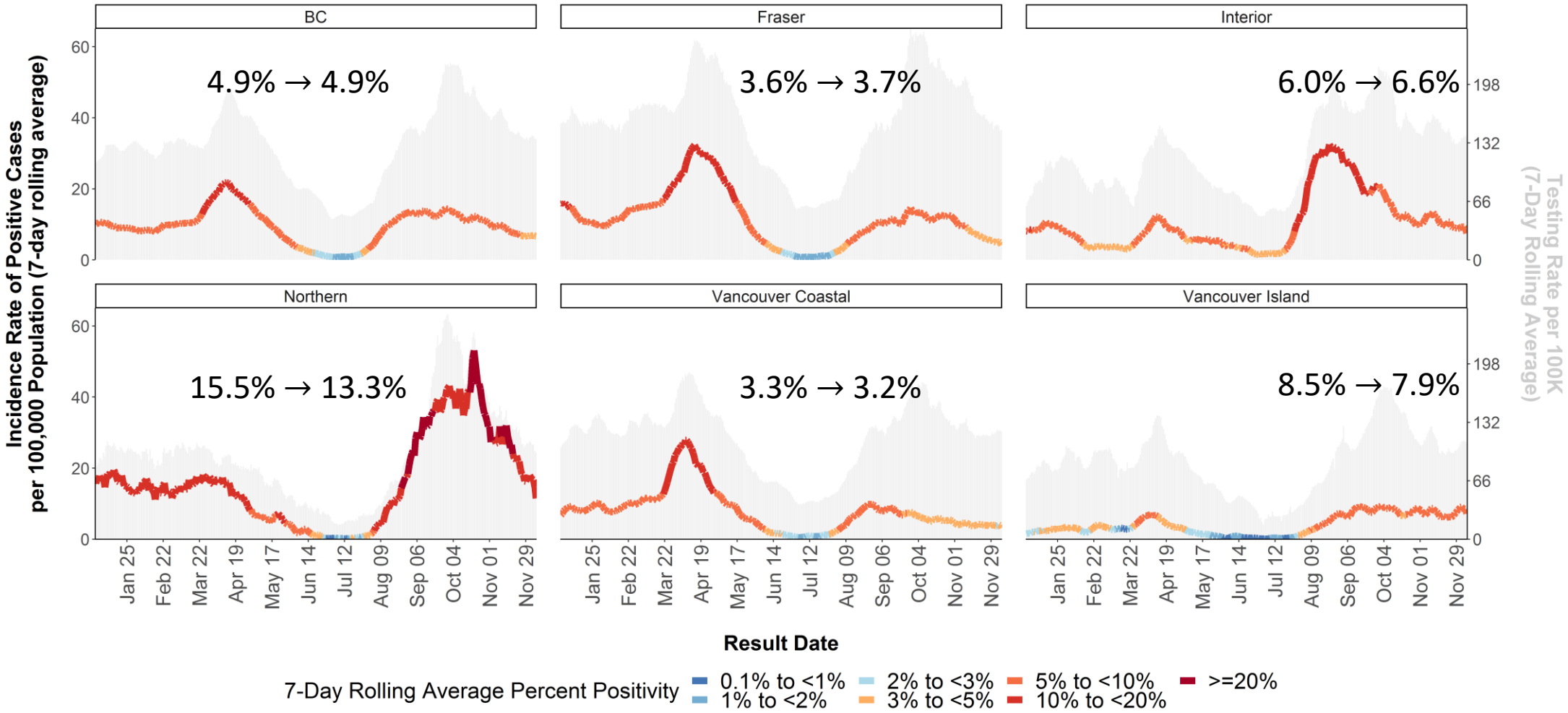


Note: Invalid (n = 1959) and indeterminate (n = 7793) results have been excluded

Data source: PLOVER 09-Dec-2021

Test positivity among public tests is stable (~4.9% provincially), and remains high in NH (13%).

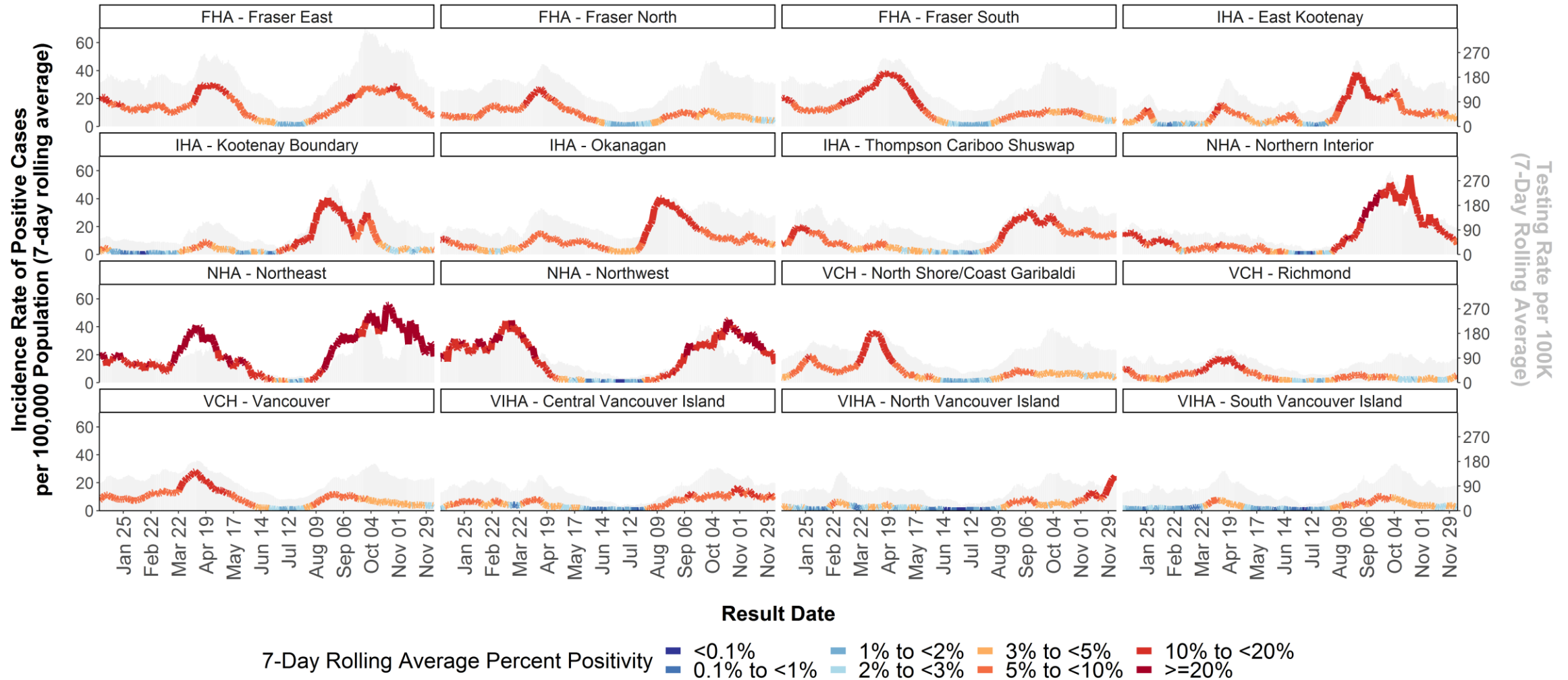
Case incidence rate, test percent positivity, and testing rate (Public Payers Only). Jan 1 2020 - Dec 7, 2021.



Data source: PLOVER 07-Dec-2021

Test positivity is high in NHA (>10% in Northwest and Northern Interior, and >20% in Northeast).
In North Vancouver Island, test positivity is >10% and incidence is increasing.

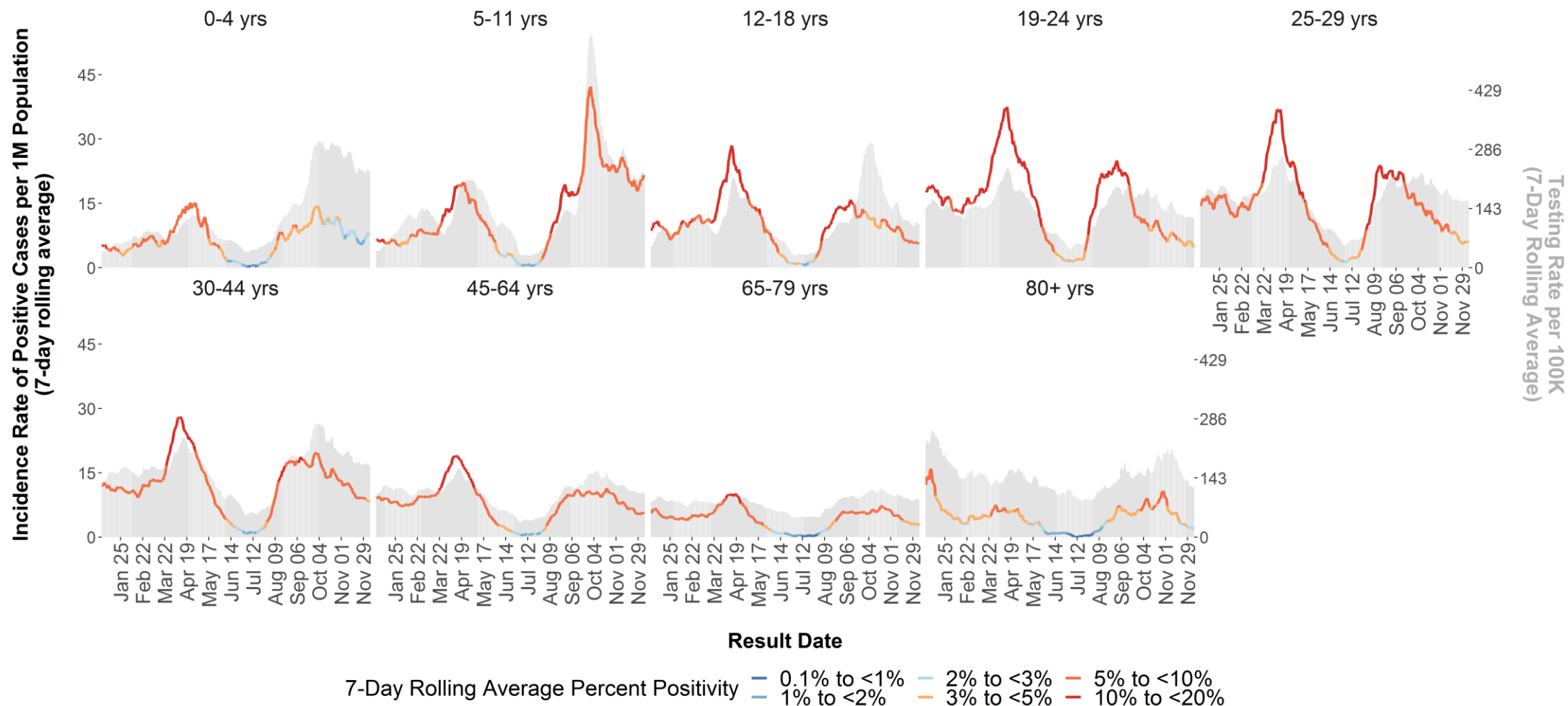
Case incidence rate, test percent positivity, and testing rate by HSDA (Public Payers Only).
Jan 1 2021 - Dec 7, 2021.



Data source: PLOVER 07-Dec-2021

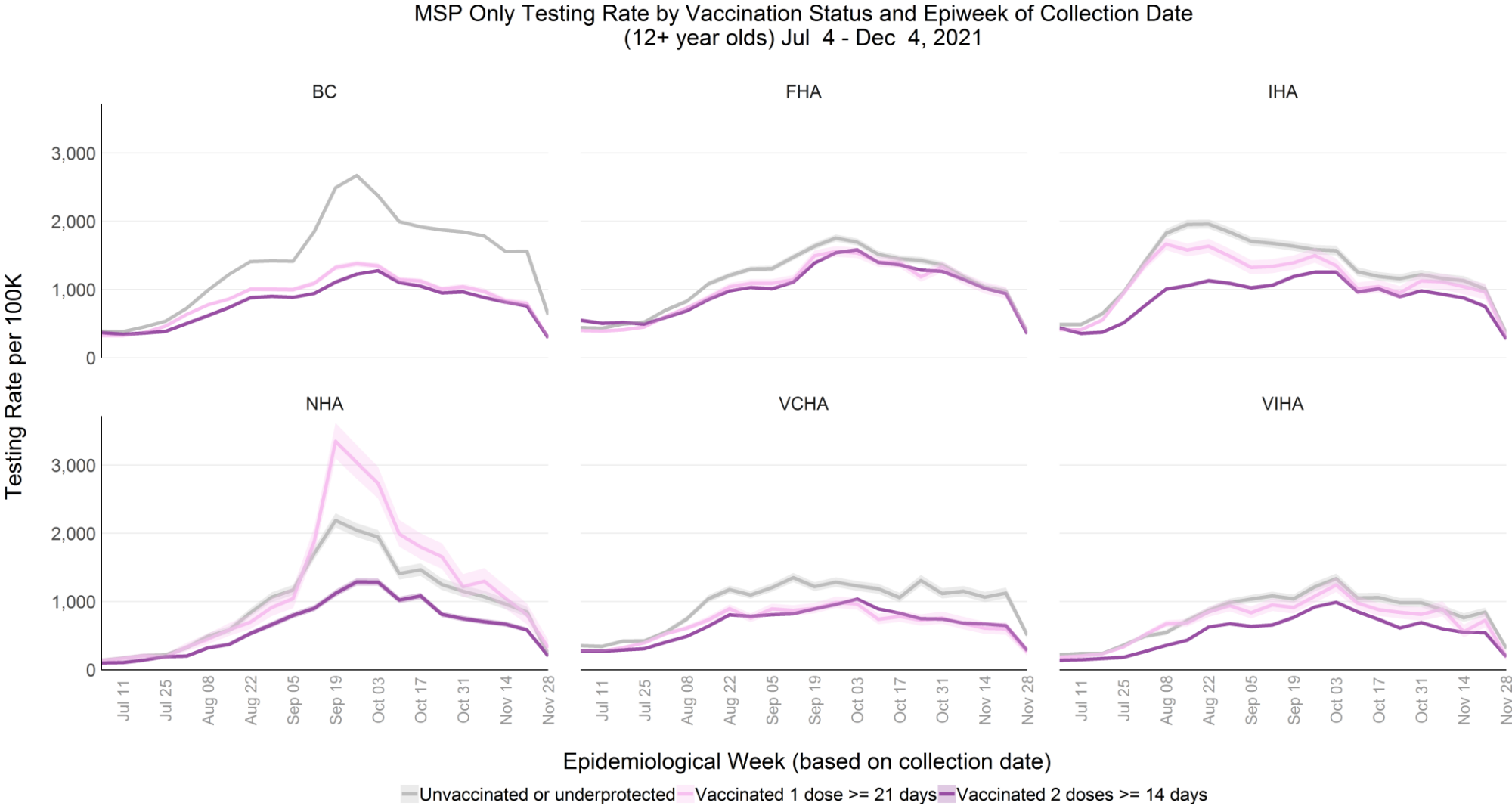
Percent positivity highest among 5 to 18 years (between 5 and 10%), and lowest among 0 to 4 and 80+ years (<3%).

Case incidence rate, test percent positivity, and testing rate by age (Public Payers Only). Jan 1 2020 - Dec 7, 2021.



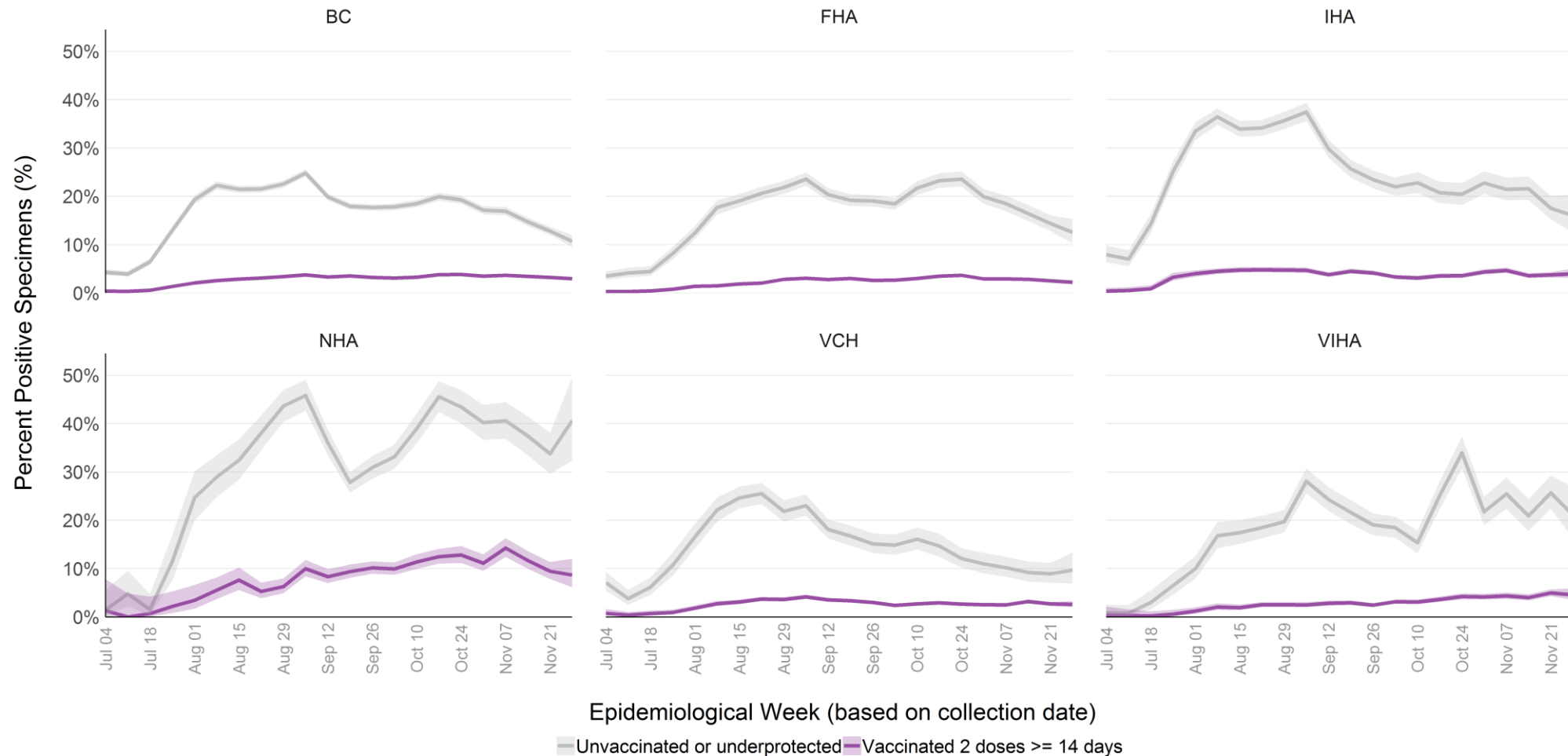
Data source: PLOVER 07-Dec-2021

In every region, trends in testing rates are broadly similar by vaccination status

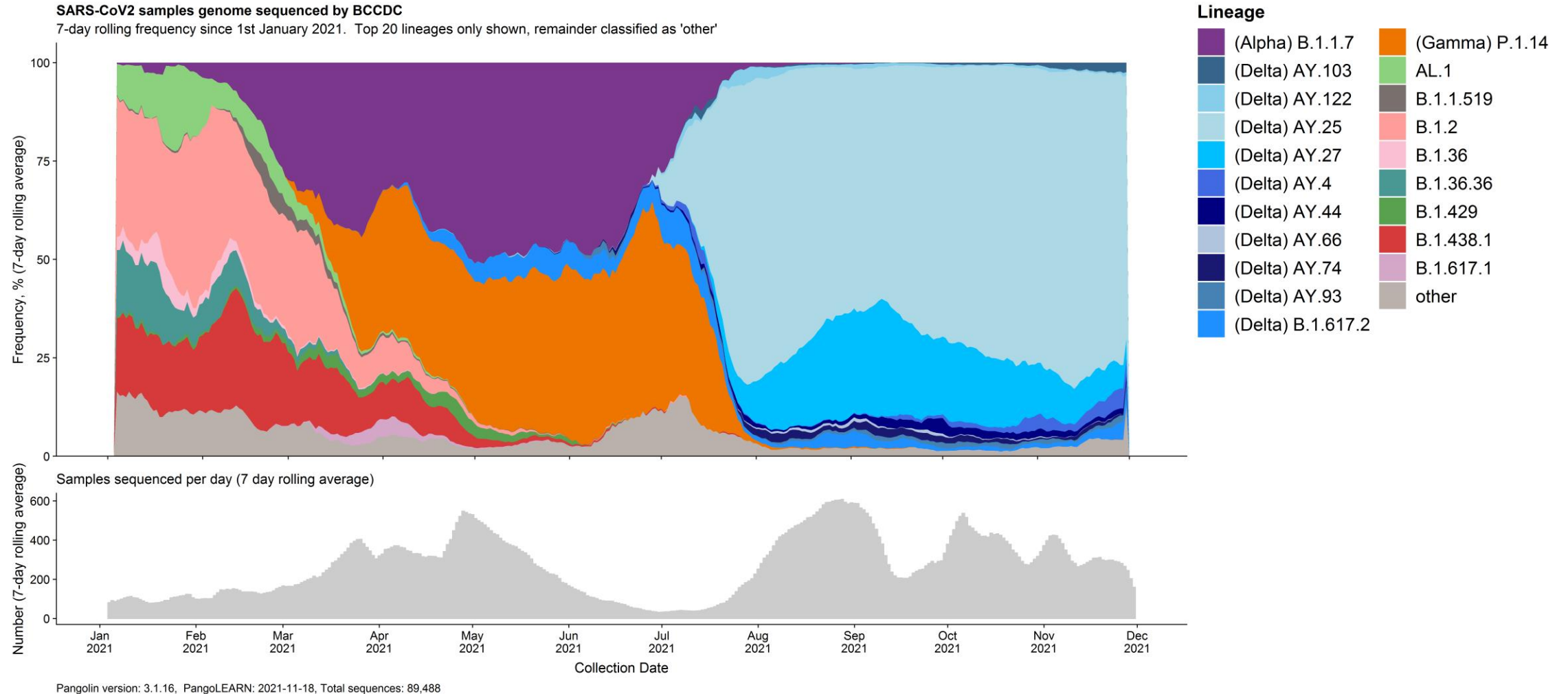


Test positivity among individuals ≥ 12 years is higher for unvaccinated individuals in all HAs.

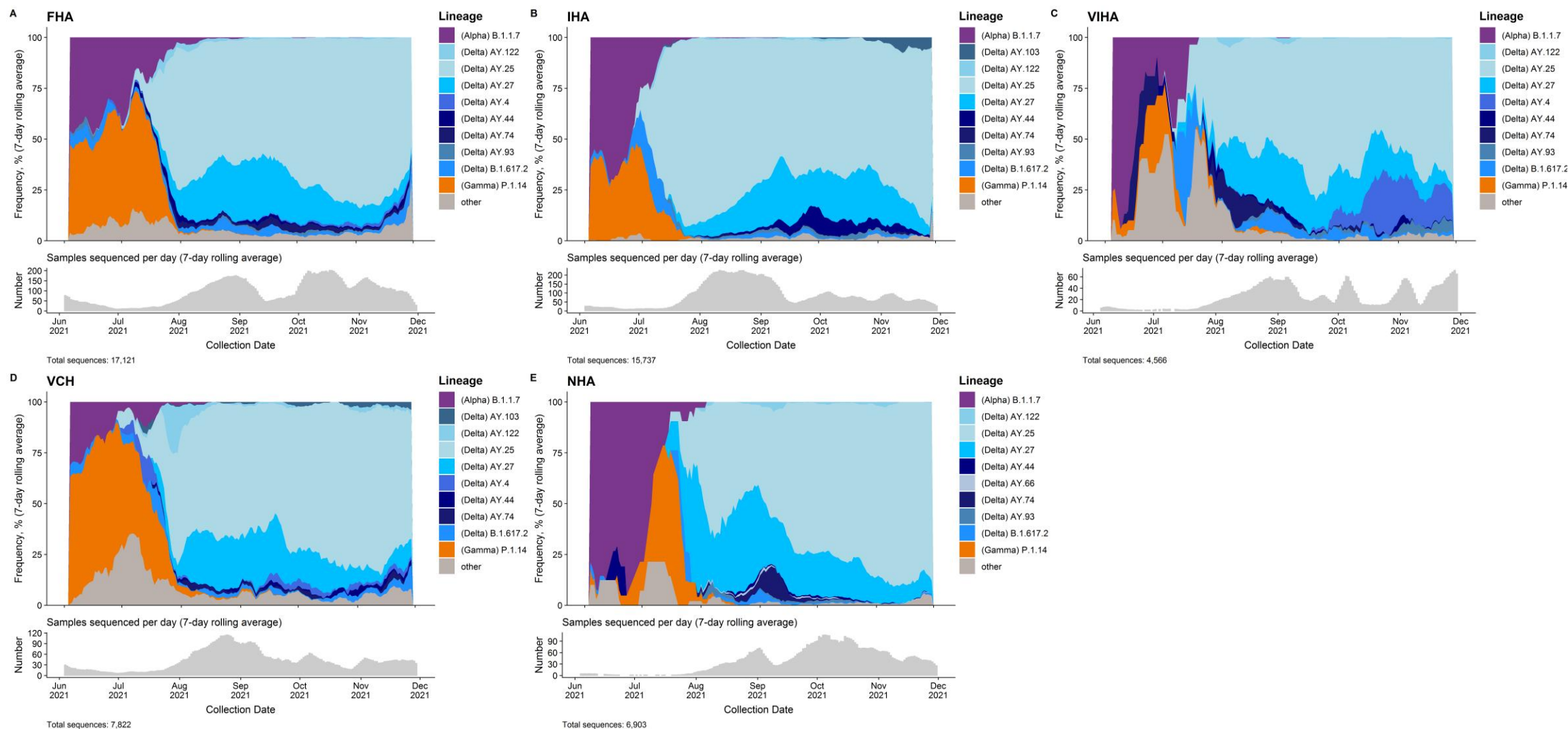
MSP Only Percent Positive Specimens by Vaccination Status and Epiweek of Collection Date
(12+ year olds) Jul 4 - Dec 4, 2021



Whole genome sequencing, Jan 2021 – 4 Dec 2021



Whole genome sequencing by HA, Jun – 4 Dec 2021



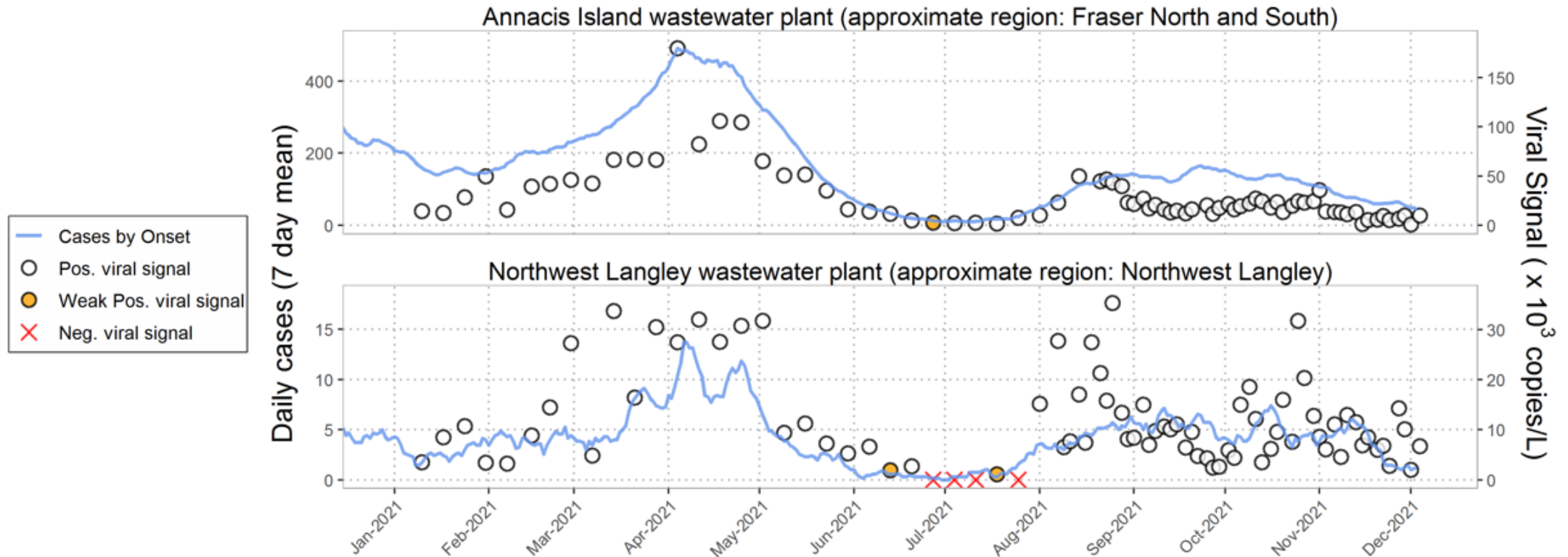
Variants of Concern – update on Omicron

- Omicron is detected via whole genome sequencing
- BC Sequencing close to 100% of cases
- 44 confirmed Omicron cases up to December 12th
 - 24 cases in FHA, 11 in VCHA, 5 in VIHA, 3 in IHA, 1 in NHA
 - Age range: between 5 and 72 years of age, median age 33 years old
 - None currently hospitalized
 - 7 non-vaccinated (including 2 children under 11 years of age)
- 20 cases have recent travel histories
 - Travel to Nigeria, South Africa/Zimbabwe, Egypt, Iran, Mexico, Germany, Portugal, and the USA
- Early identification of VIHA outbreak → sequencing indicates Omicron cases

Population-level surveillance: Viral signal from wastewater surveillance correlates with COVID-19 case counts and can detect VOCs

- The BCCDC and Metro Vancouver have been testing for SARS-CoV-2 in wastewater at five wastewater treatment plants (representing 50% of BC's population) since May 2020.
- Wastewater samples positive for SARS-CoV-2 are then sequenced, to detect circulating variants of concern (VoCs) in the population catchment. This work is being done in collaboration with UBC.
- Sequencing method successfully and timely detected the emergence of Alpha, Gamma and Delta variants in Metro Vancouver wastewater.

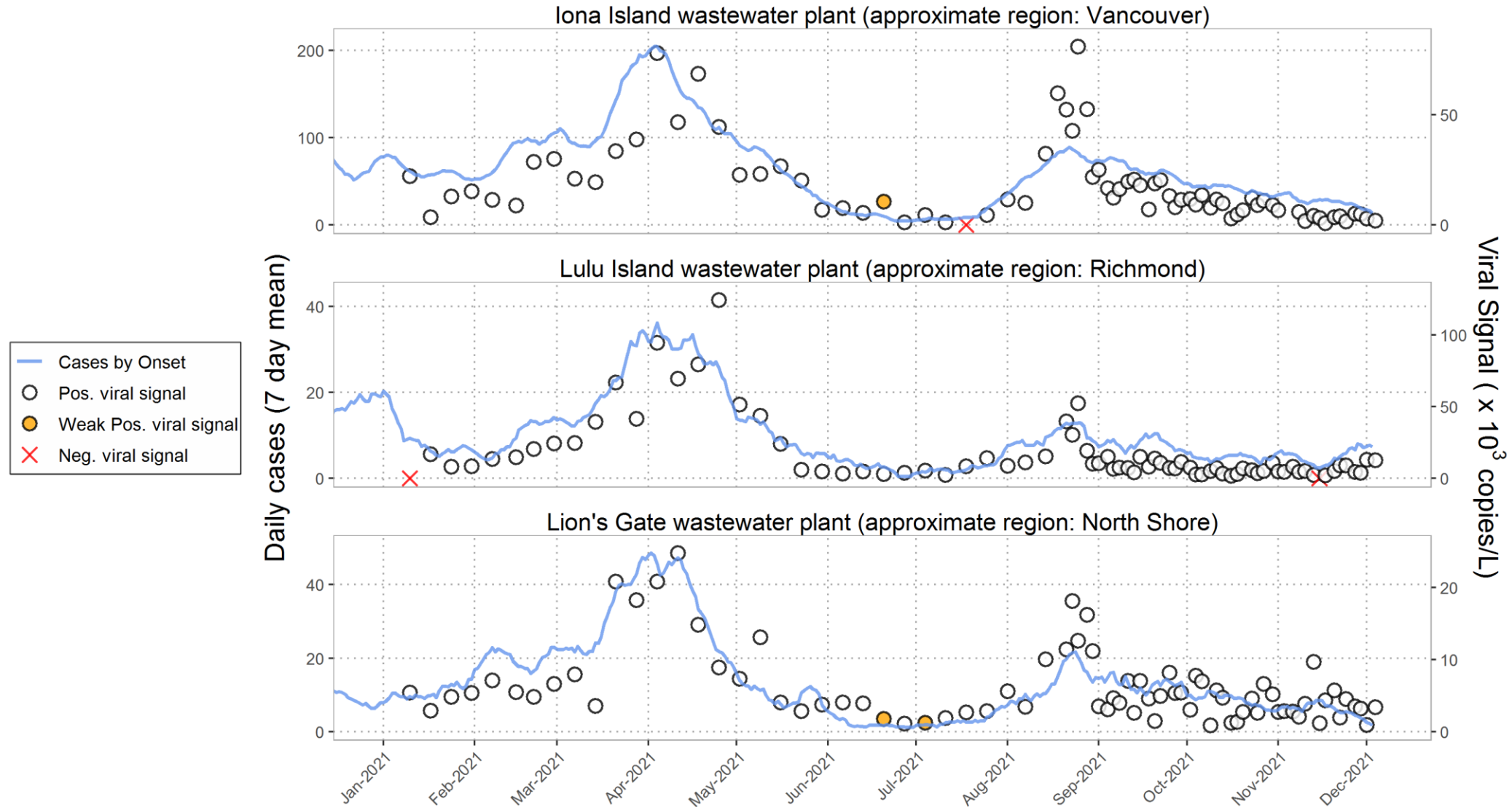
Viral signal from wastewater in FHA, Jan 2021 – 4 Dec 2021



Time-series plots show weekly or bi-weekly viral signals from each wastewater plant (right y-axis), overlaid with rolling 7-day mean of daily new cases within wastewater catchment area (left y-axis).

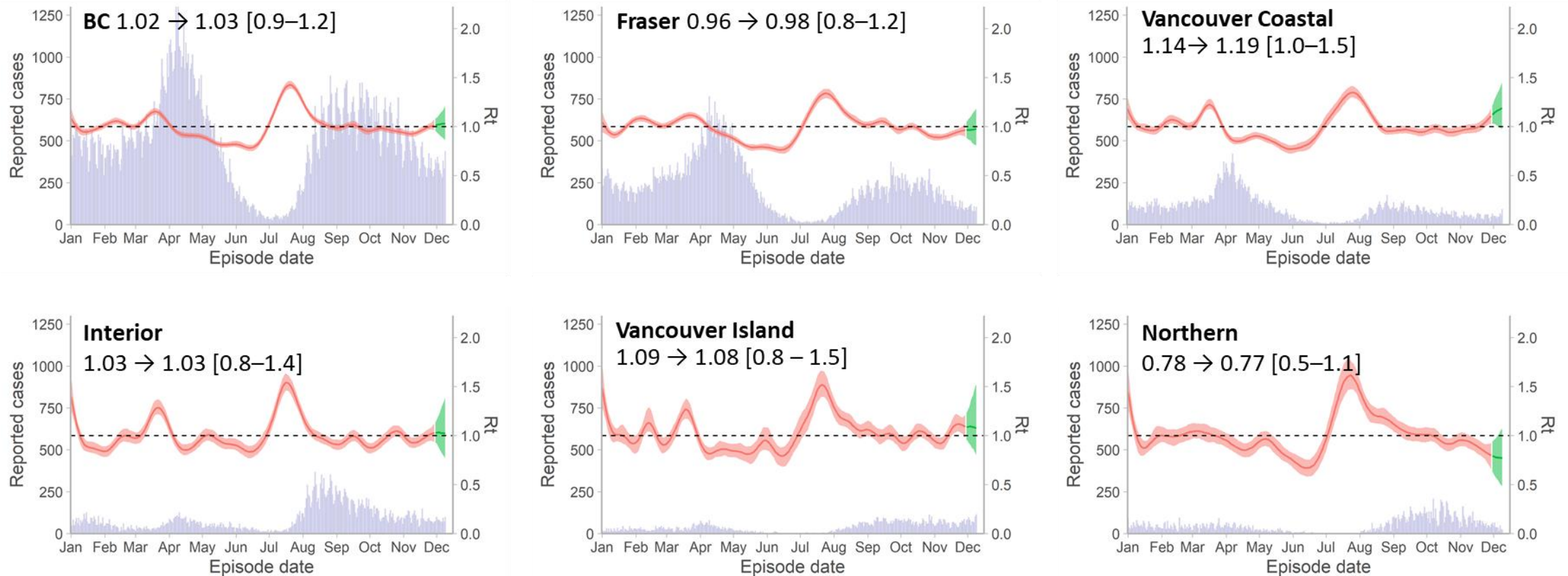
Plot title shows wastewater plant name, followed by approximate catchment area.

Viral signal from wastewater in VCH, Jan 2021- 4 Dec 2021



Dynamic modeling: recent trends

Modelling indicates that R_t is hovering near 1 in most regions.



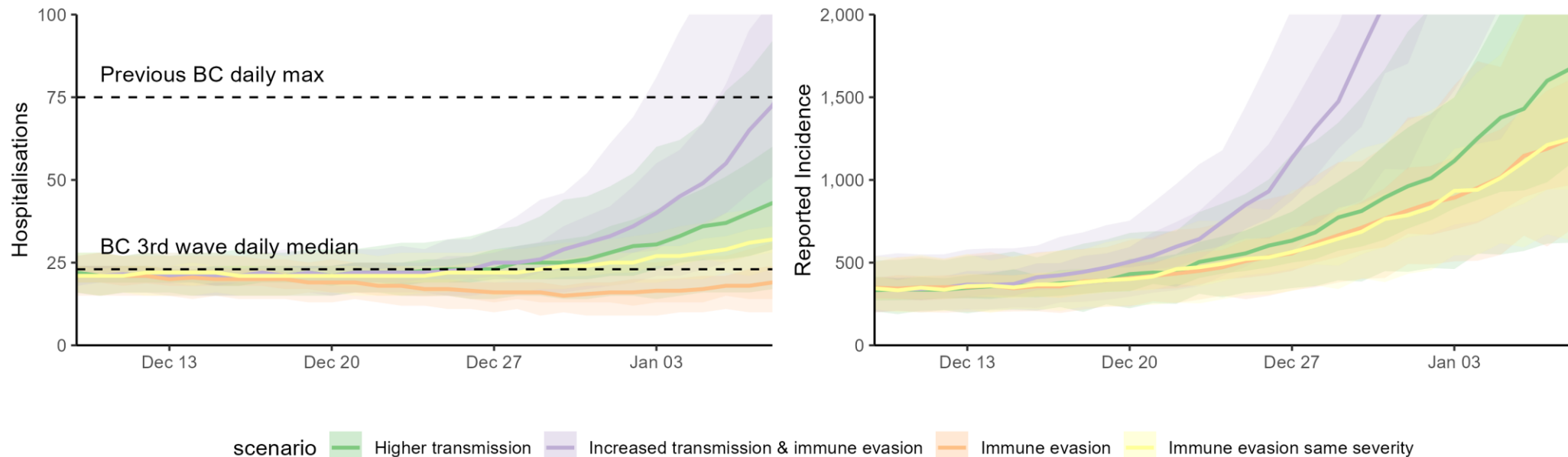
Estimates are shown for last week \rightarrow this week, with 90% range of possible values. Solid line: median R_t , modeled using all reported cases up to Dec 9, 2021; Red band: 5%-95% credible interval; Green band: estimate based on partial data – each week, current estimates are updated with new data to provide a clearer understanding of the trend. Purple bars: all reported cases. Data source: BCCDC HA linelist.

Omicron scenarios

Scenarios: As we are still gathering data on Omicron, there are a large number of unknowns on its impact on cases and hospitalizations. We consider 3 scenarios with lower severity: 1) transmission is increased between 1.5 - 3 times that of Delta, 2) immune evasion to transmission is 30-60%, and 3) a combination of increased transmission and immune evasion.

We further consider the potential for Omicron to be less severe with a risk reduction of 0.2 - 0.8. We further consider a scenario of immune evasion with the same severity as Delta. Scenarios do not account for boosters which will impact severity and transmission. Further establishment of variant in the community is assumed to be on Dec 9th.

Note: These scenarios are for illustrative purposes and liable to change rapidly as more information are collected



Shading indicates uncertainty due to effectiveness of vaccination, showing 90% and 50% confidence intervals.

Pediatric Report - Key Messages

- Case numbers in <18 years remain relatively stable
 - Incidence varies regionally and by pediatric age group
 - Incidence recently increased in 5 to 11 years in VIHA
- Case rates are highest in regions with lower 12+ vaccine coverage
- Severe outcomes are rare in children

Also see the Data for K-12 Schools November report posted on the BCCDC website:

http://www.bccdc.ca/Health-Info-Site/Documents/COVID_sitrep/K12_Situation_Report/SitRep_K-12_November_2021.pdf

Next School Report will be released next week, approximately Dec 21 on [this](#) page

Dec 02 to Dec 08: Pediatric COVID-19 Profile

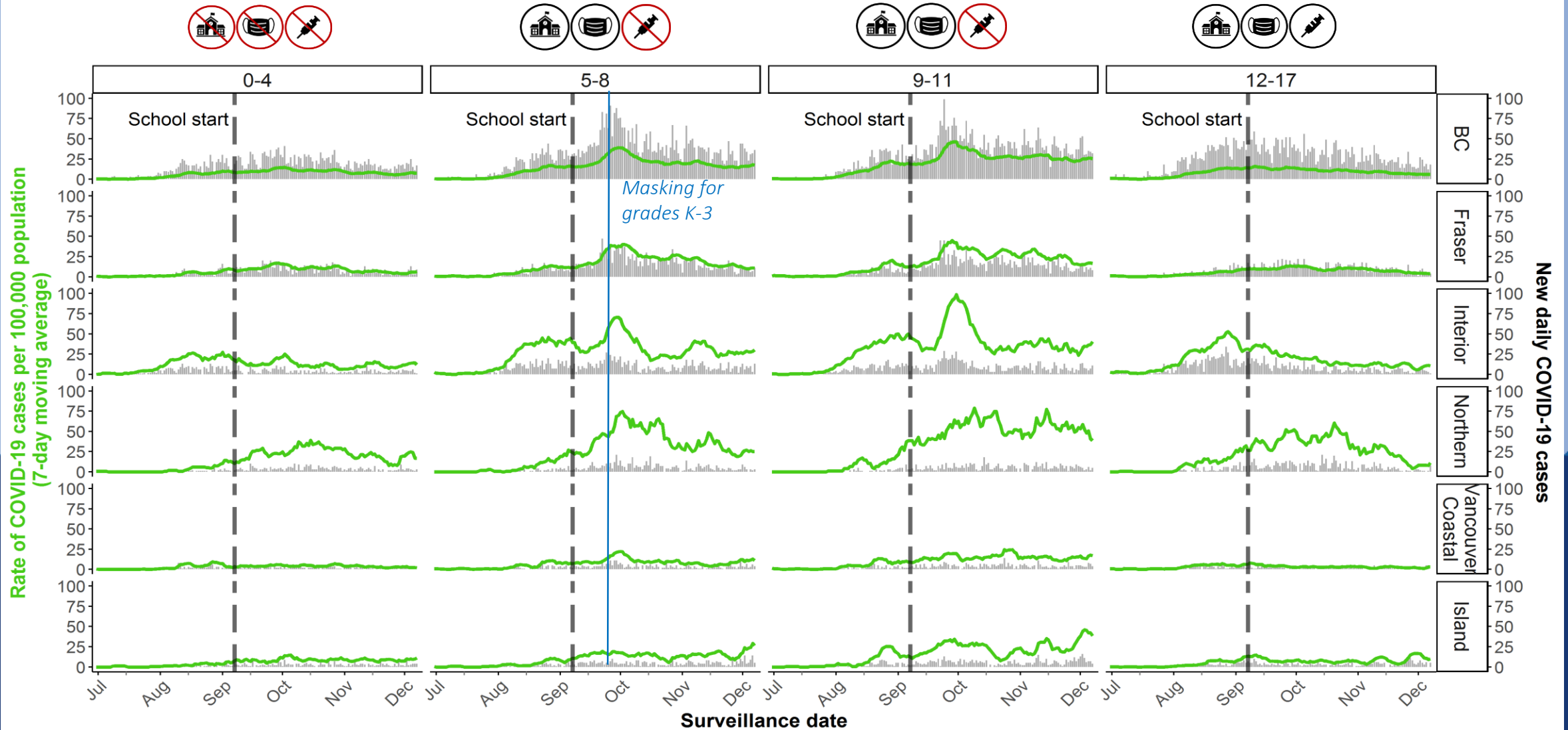


Age group: 0-4		Age group: 0-4		Age group: 0-4		Age group: 0-4	
6,138	total cases	128	ever hospitalized	12	ever in critical care	2	total deaths
124	new this week	0	new this week	0	new this week	0	new this week
Age group: 5-11		Age group: 5-11		Age group: 5-11		Age group: 5-11	
16,988	total cases	65	ever hospitalized	5	ever in critical care	0	total deaths
505	new this week	1	new this week	0	new this week	0	new this week
Age group: 12-17		Age group: 12-17		Age group: 12-17		Age group: 12-17	
13,222	total cases	58	ever hospitalized	10	ever in critical care	0	total deaths
128	new this week	0	new this week	0	new this week	0	new this week

* New hospitalizations and critical care census numbers are as of Dec 07 2021

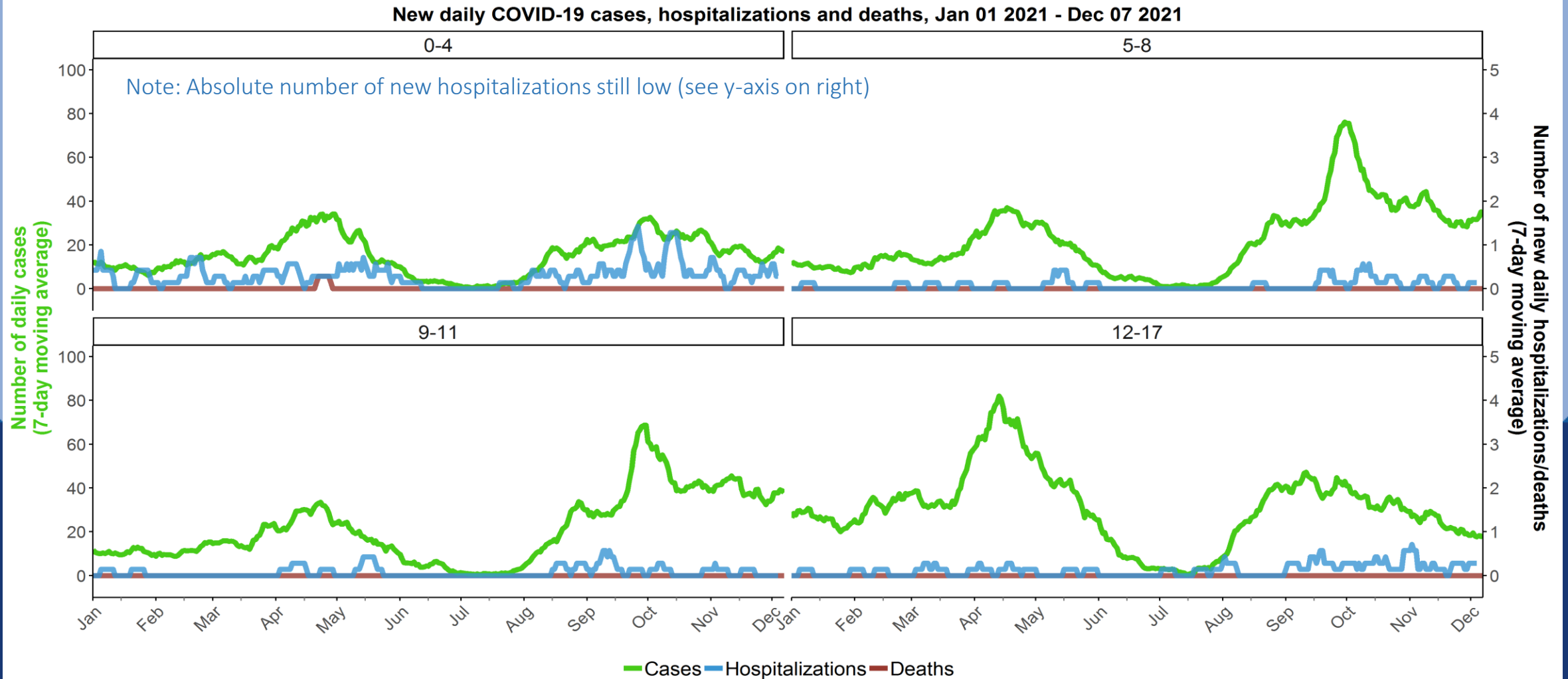
* New cases and new deaths are net new between Line lists of Dec 01 2021 and Dec 08 2021

Incidence varies regionally and by pediatric age group; incidence among 5-11 years recently increased in VIHA.



* Data based on surveillance date (i.e. lab result date, or when not available, date reported to public health)
 Date range: Jul 01 2021 - Dec 07 2021
 Data source: PHRDW Dec-08-2021

Number of new daily hospitalizations remains very low and stable; deaths are extremely rare



* Data are by surveillance date for cases and deaths, and admission date for hospitalizations
Data source: PHRDW + BCCW Dec-08-2021

Case rates are relatively stable among children and youth.

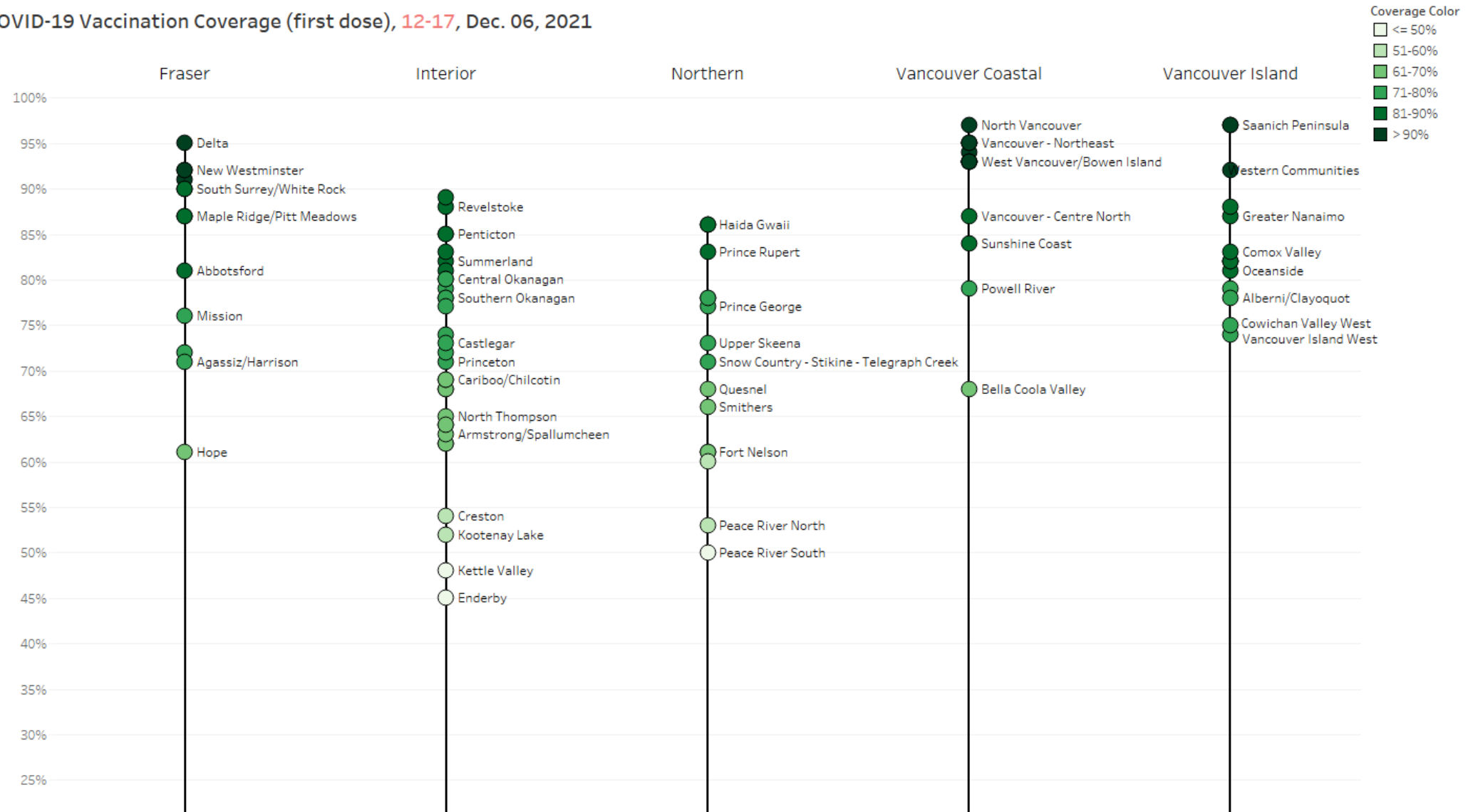
Hospitalization rates remain low.



* Data are by surveillance date for cases and deaths, and admission date for hospitalizations
Data source: PHRDW Dec-08-2021

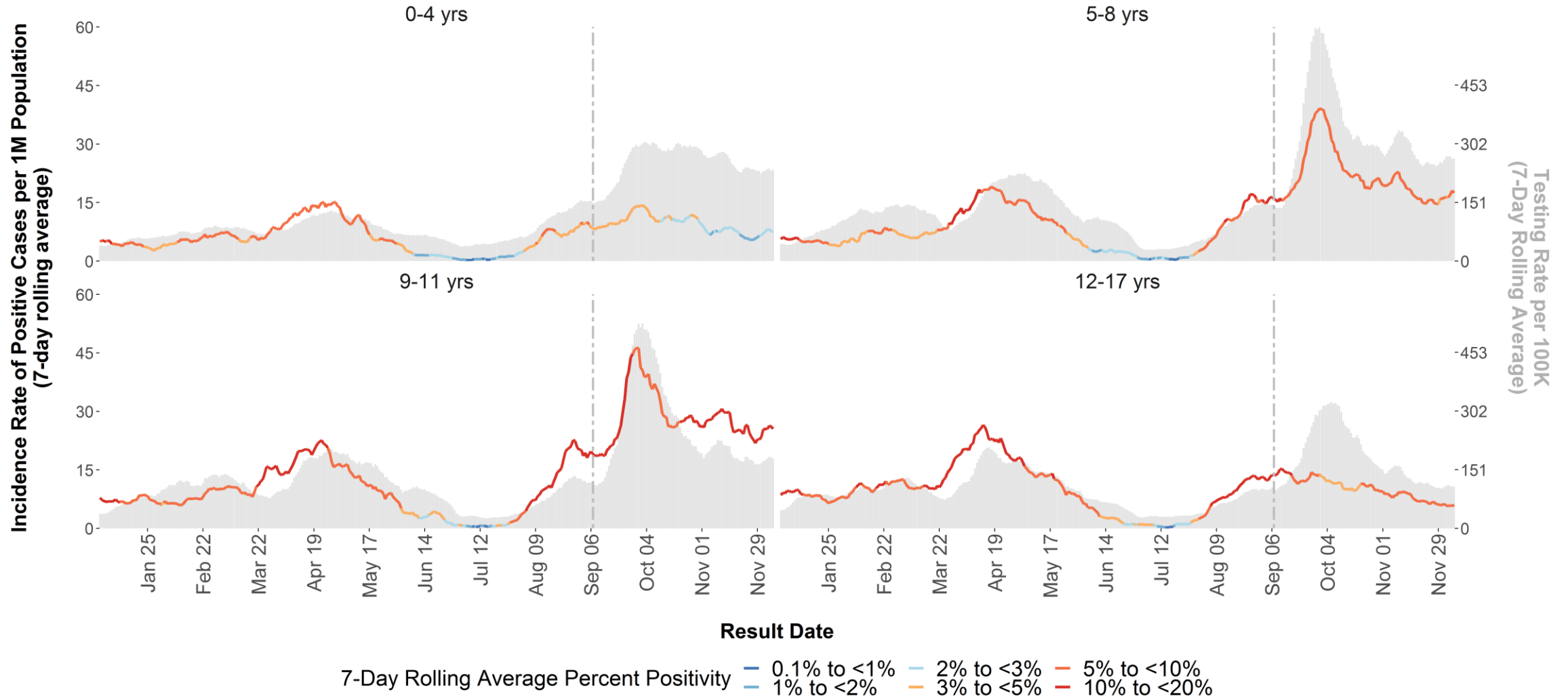
COVID-19 vaccination coverage with 1st dose among 12-17 year olds, by Local Health Area, Dec. 6, 2021

COVID-19 Vaccination Coverage (first dose), 12-17, Dec. 06, 2021



Testing rates among 0-17 year olds are stable and elevated. Test positivity is highest among 9-11 year olds (>10%) and lowest in the 0-4 year olds (<3%).

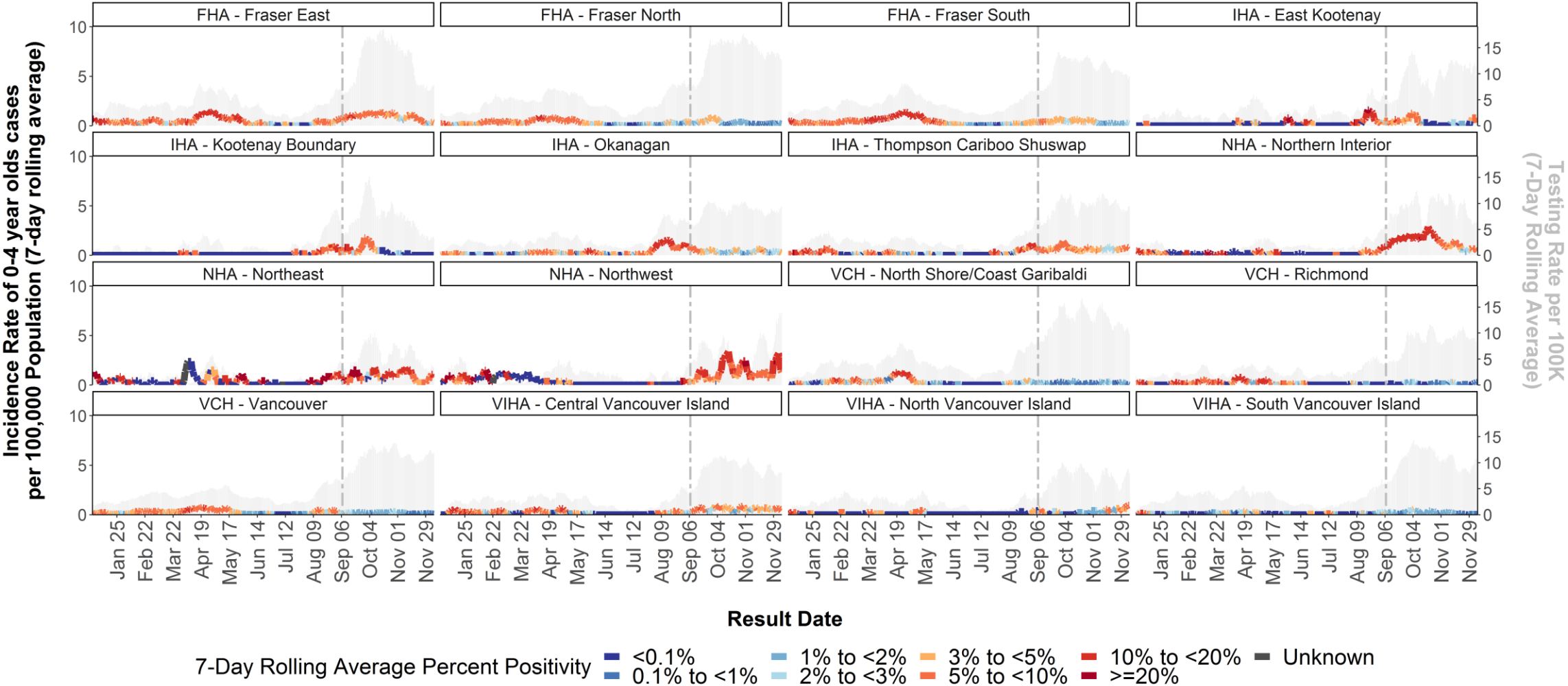
Case incidence rate, test percent positivity, and testing rate by age (Public Payers Only). Jan 1 2020 - Dec 7, 2021.



Data source: PLOVER 07-Dec-2021

Testing rates among 0-4 year olds remain high in all HSDAs. Percent positivity is variable; very low in most regions. Incidence is increasing in North Vancouver Island.

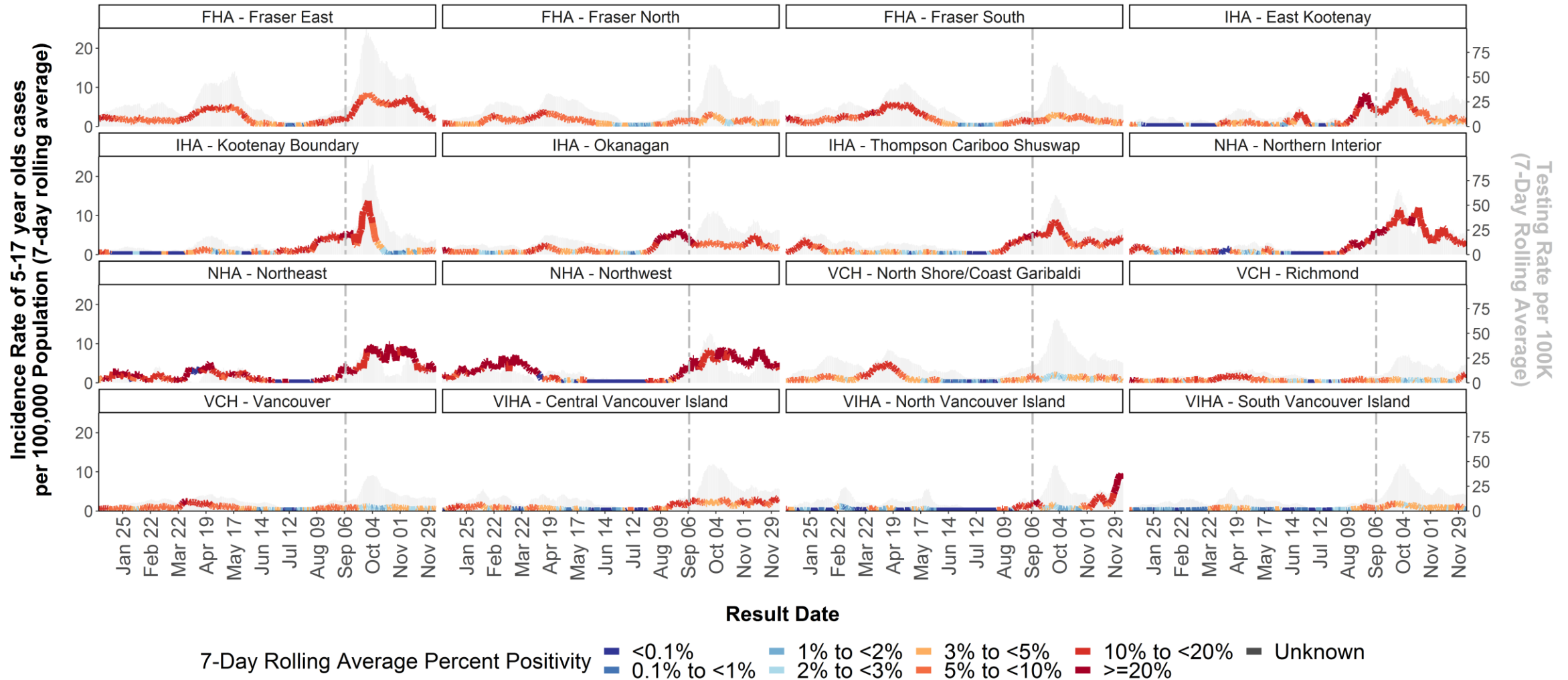
Case incidence rate, test percent positivity, and testing rate by HSDA (Public Payers Only).
Jan 1, 2021 - Dec 7, 2021.



Data source: PLOVER 07-Dec-2021

Among 5 to 17 years: Percent positivity is high throughout NH, incidence is stable. In North Vancouver Island, percent positivity is >20% and incidence is rapidly increasing.

Case incidence rate, test percent positivity, and testing rate by HSDA (Public Payers Only).
Jan 1, 2021 - Dec 7, 2021.



Data source: PLOVER 07-Dec-2021

Additional Resources

- BCCDC COVID-19 Regional Surveillance Dashboard showing maps, vertical plots, and trends by LHA can be found [here](#)
- More BC COVID-19 data, including the latest Situation Report, maps, and BC COVID-19 public dashboard, can be found [here](#)
- For more information on variants of concern and whole genome sequencing, the latest report is posted [here](#)
- To put BC provincial, Health Authority, and HSDA trajectories into national and international context, see [BCCDC COVID-19 Epidemiology app](#)
- [COVID SPEAK 2020 Round 1 Survey results](#)
- Slides for previous public and modelling briefings by Dr. Bonnie Henry can be found [here](#)
- PHAC's COVID-19 Epidemiology update can be found [here](#)