



# Local Health Area Profile

## Cowichan Valley South - 421

**February 2025**

An accompanying Interpretation Guide has been created to assist with the interpretation of indicators.

The **Interpretation Guide** should be read with the profiles.

These profiles are not intended to be used for detailed planning or analysis. As they are updated on an annual basis, there may be more current data available. If you are intending to use these profiles for health planning purposes, if you have detailed questions, or notice a discrepancy, please contact the Population Health Assessment, Surveillance and Epidemiology (PHASE) team at [pophealthsurvepi@islandhealth.ca](mailto:pophealthsurvepi@islandhealth.ca)





# Acknowledgements

Before Canada and BC were formed, Indigenous peoples lived in balance and interconnectedness with the land and water in which the necessities of life are provided. Health disparities persist, which are due to the impacts of colonization and Indigenous-specific racism. Island Health acknowledges and recognizes these homelands and the stewardship of Indigenous peoples of this land; it is with humility we continue to work toward building our relationship.

Additionally, this report has been built through the work of several members of the Population and Public Health Unit at Island Health, in collaboration with multiple external data resources. Island Health would like to extend its gratitude to its contributors and those who have provided feedback and direction on the contents of this report.

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**This report serves as a contribution to delivering our vision of providing excellent health and care for everyone, everywhere, every time.**





# Cowichan Valley South Local Health Area (LHA)

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A tall, weathered wooden totem pole with multiple carved figures, including a large face at the top with red and blue paint, and various symbols and faces below. It is set against a clear blue sky.

# LHA Overview

## Geography

- ▶ LHA Geographic Overview
- ▶ Community Health Service Areas (CHSAs) within LHA

## Population and Demographics

- ▶ Average Age
- ▶ Population Estimates

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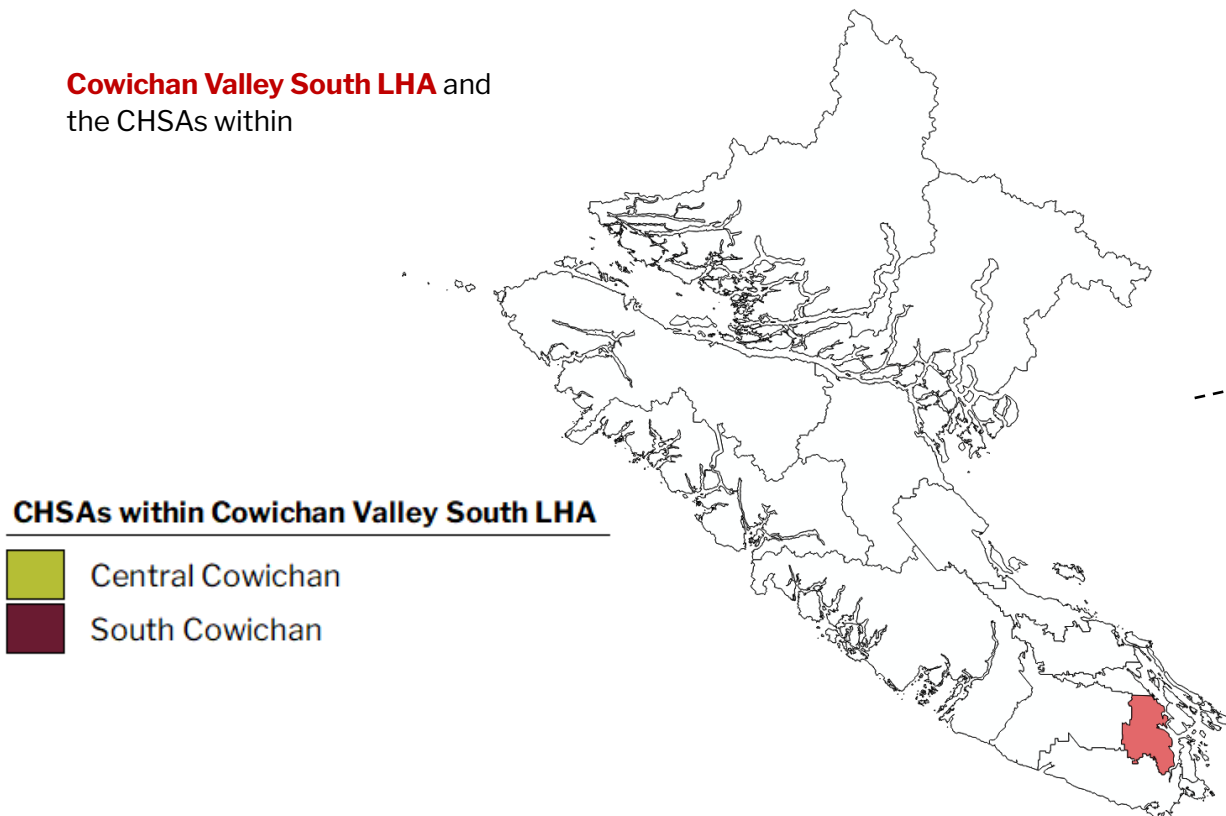
*“To provide superior health care through innovation, teaching and research and a commitment to quality and safety—creating healthier, stronger communities and a better quality of life for those we touch.”*

- **Island Health Purpose**

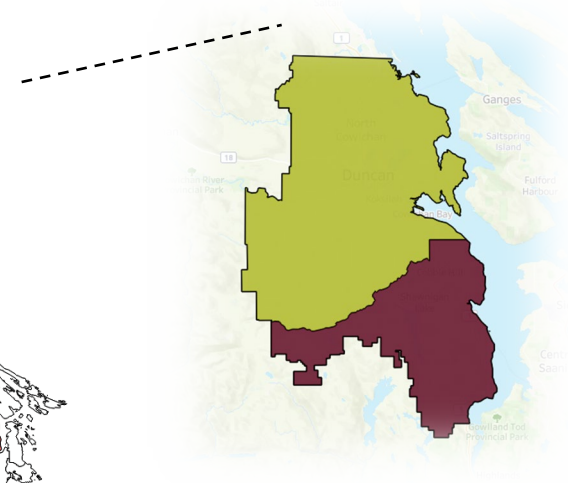
# Geography

Cowichan Valley South Local Health Area (LHA) is one of 14 LHAs in Island Health and is the southernmost region of the Central HSDA. Cowichan Valley South covers approximately 744 square kilometers and includes the following communities: Shawnigan Lake, Cobble Hill, Mill Bay, Duncan, and North Cowichan. Cowichan Valley South LHA includes the traditional lands of Cowichan Tribes, Malahat, and Halalt First Nations. Cowichan Valley South LHA is also home to the Cowichan Valley Métis Association, a Chartered Métis Community. The LHA borders three others: Western Communities, Cowichan Valley West, and Cowichan Valley North. Cowichan Valley South is located on the Island Highway and is approximately a 45-minute drive from Victoria and Nanaimo. There is a ferry terminal in Crofton that provides ferry access to Salt Spring Island. Cowichan Valley South has a BC Transit bus system with over 10 routes and a handyDART service. The Cowichan Valley South LHA contains 2 unique Community Health Service Areas (CHSAs) within it. The areas can be viewed on the **map below**:

**Cowichan Valley South LHA** and the CHSAs within

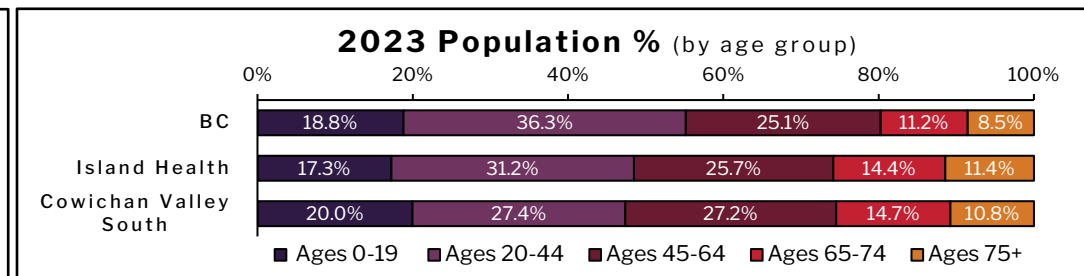
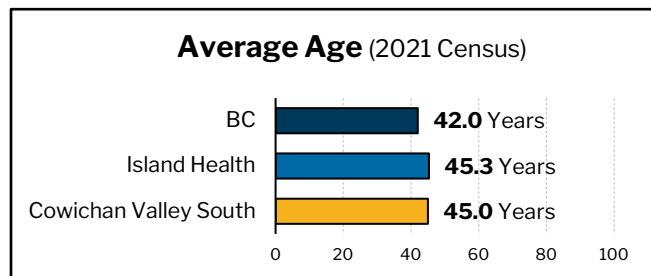


**Cowichan Valley South LHA**



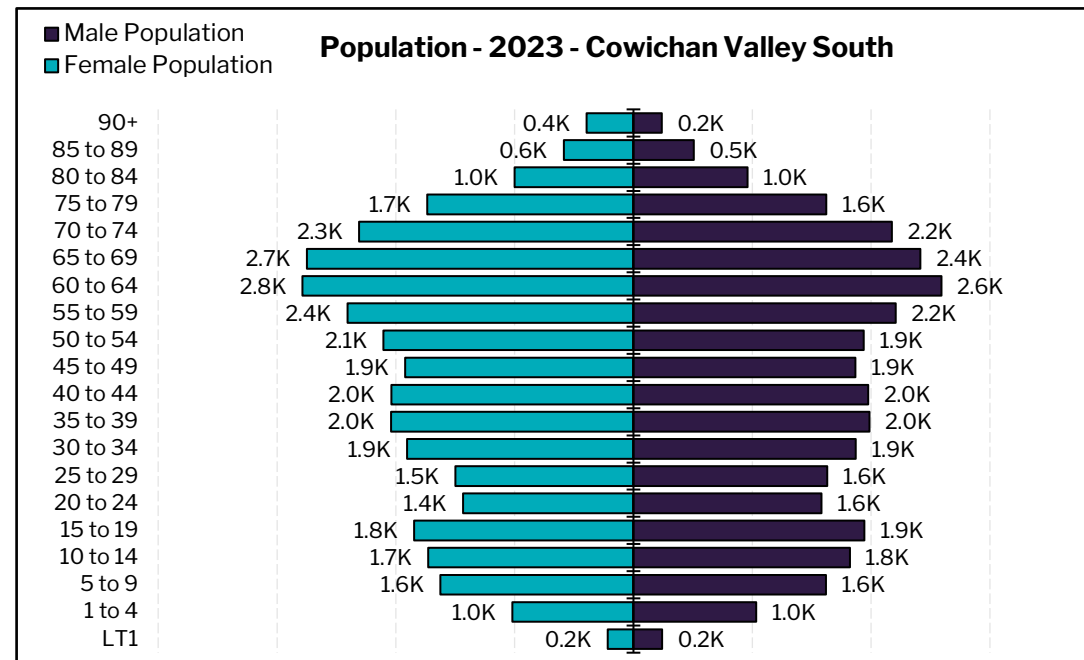
# Population and Demographics

As of 2023, the Cowichan Valley South LHA represents 7.2% (65,580 people) of Island Health's total population of 908,627. According to the 2021 Census, 12.5% of people living in the Cowichan Valley South LHA identified themselves as Indigenous, compared to 7.8% across Island Health and 5.9% in BC. Additionally, 6.4% of people living in Cowichan Valley South area identified themselves as a visible minority, compared to 11.6% across Island Health and 34.4% in BC.



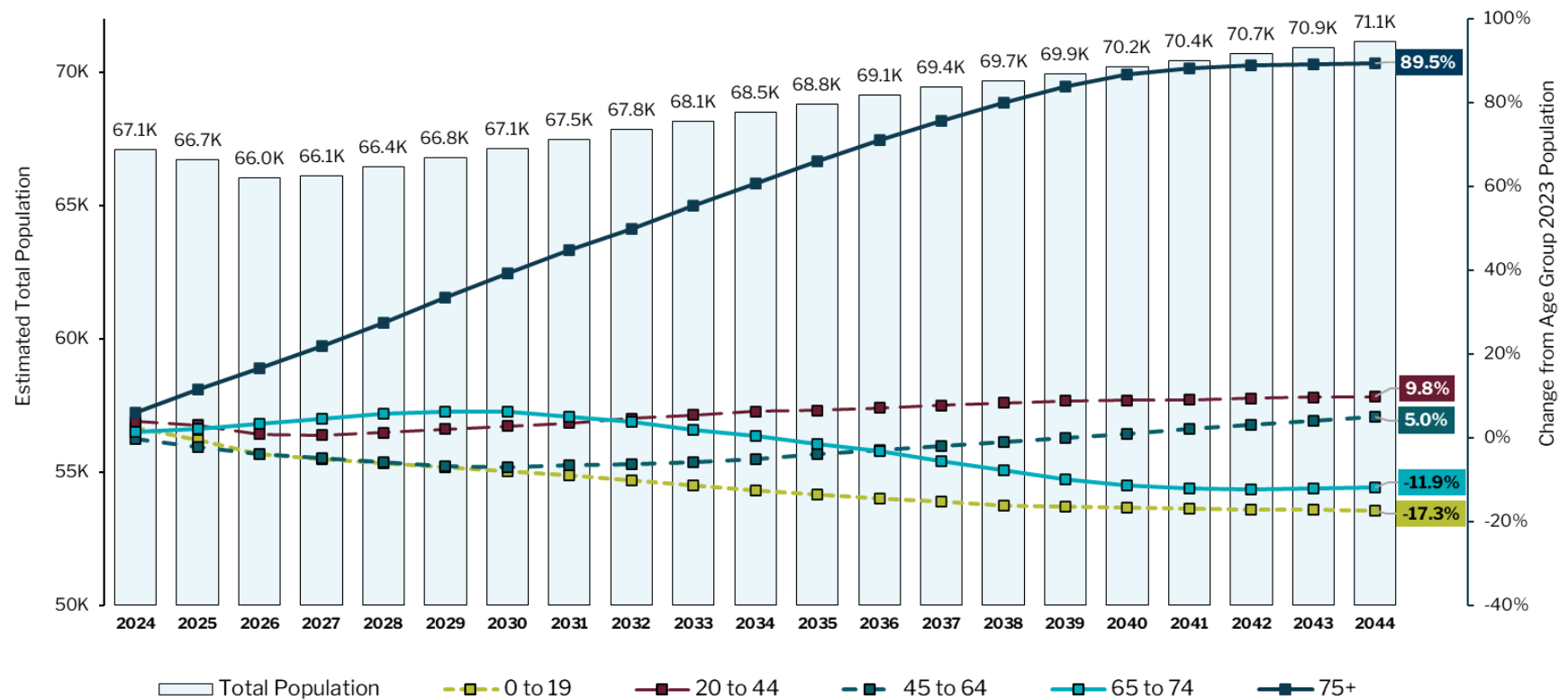
The population of Cowichan Valley South is younger than Island Health overall, and older than BC, with an average age of 45.0 years. The 20-44 age group makes up the largest proportion of the population at 27.4%, which is less than both BC (36.3%) and Island Health (31.2%).

Cowichan Valley South's population is projected to increase by 3.4% by the year 2032; this is lower than BC (9.6% increase) and Island Health (6.2% increase). By the year 2044 the Cowichan Valley South population is estimated to grow to a total of 71.1 thousand people. The 65-74 age group is expected to decline over the next 20 years, while the 75+ population of Cowichan Valley South is expected to increase by 89.5%. The 0-19 age group is projected to see a decrease of -17.3% over the next 20 years, and



the 45-64 age group is expected to grow by 5.0% by the year 2044. The below chart highlights the estimated total population projection along with change in age group population from the 2023 year. See the Population and Demographics summary on page 29-30.

**Cowichan Valley South Population Projections (2024 - 2044)**





# Indicators & Data Reporting

## **Determinants of Health**

- ▶ Income and Employment
- ▶ Education
- ▶ Housing
- ▶ Early Childhood Development
- ▶ Healthy Behaviours and Built Environment

## **Health Status**

- ▶ Birth Statistics
- ▶ Mortality Statistics
- ▶ Chronic Disease
- ▶ Mental Health & Substance Use

## **Health Service Use**

- ▶ Physician Attachment and Home-Care Visits
- ▶ Acute Care Inpatient Cases
- ▶ Emergency and Urgent Care Centre Visits
- ▶ Ambulatory Care Sensitive Conditions

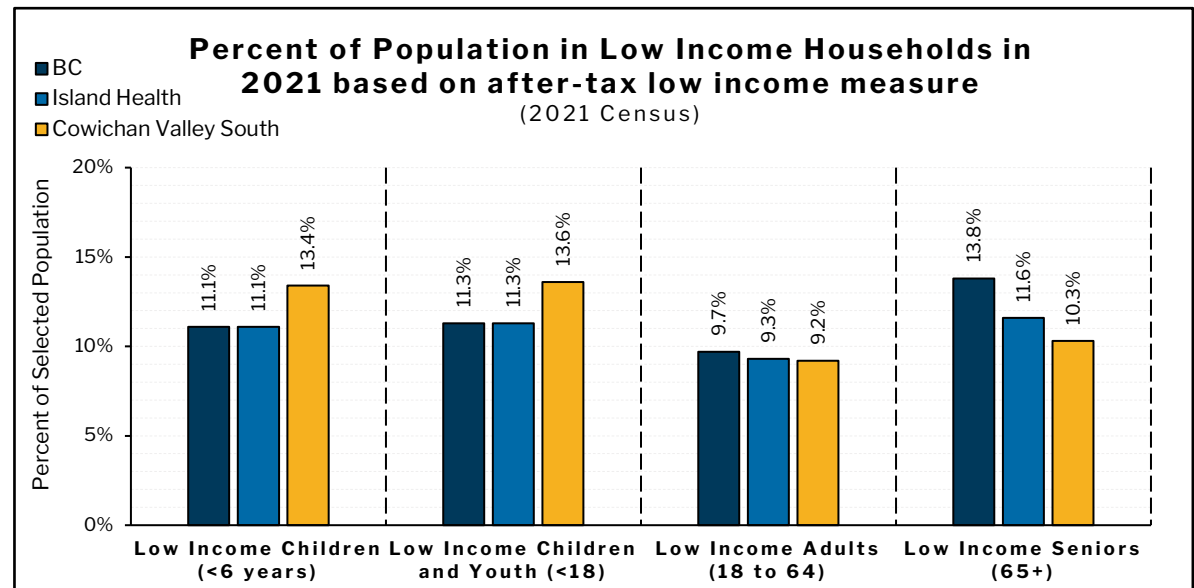
# Determinants of Health

Access to adequate income, affordable housing, nutritious food, education, safe environments, and recreational opportunities influence our health and wellbeing. People who are less well-off generally have poorer health and shorter life expectancies than those who are well-off. By working upstream to improve the conditions in which all people live, work and play, we can decrease these gaps and improve the health and wellbeing of our population.

## Income and Employment

The median household income for Cowichan Valley South was \$82,000 in 2021, lower than the BC median household income of \$85,000 and higher than Island Health at \$80,000.

The after-tax Low Income Measure (LIM-AT) is defined as the number of persons in households for which their adjusted<sup>1</sup> household income is 50% or less of the median income in Canada. The proportion of the population who are members of a low-income household is higher among children < 6 years (13.4%) and children & youth < 18 years (13.6%) compared to Island Health and BC overall. The proportion of low-income senior households (10.3%) is lower than Island Health overall, and lower than that of BC. Within Cowichan Valley South, the Central Cowichan CHSA has the highest percent of



<sup>1</sup> “Adjusted” income is calculated using a formula that takes into account the number of persons in the home, in order to account for the needs of the household and its members when assessing low income.

population in low-income households, for all age groups: (15.8% for Children < 18 compared to 13.4% for all of Cowichan Valley South; 15.8% for Children and Youth < 18, compared to 13.6% for all of Cowichan Valley South; 10.3% for Adults ages 18 – 64, compared to 9.2% for Cowichan Valley South; and 11.6% low-income households for Seniors 65+, compared to 10.3% for Cowichan Valley South). The proportions of low-income households in South Cowichan CHSA are lower than Cowichan Valley South for all age groupings.

The percent unemployed in Cowichan Valley South is lower than BC, and lower than Island Health (see page 31).

**Percent of Population in Low Income Households in 2021 based on after-tax low income measure (2021 Census)**

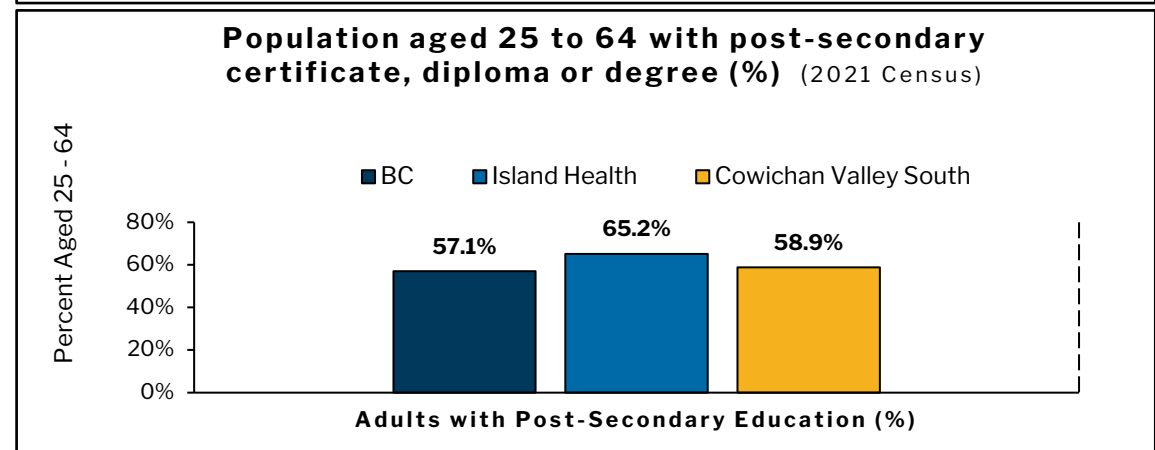
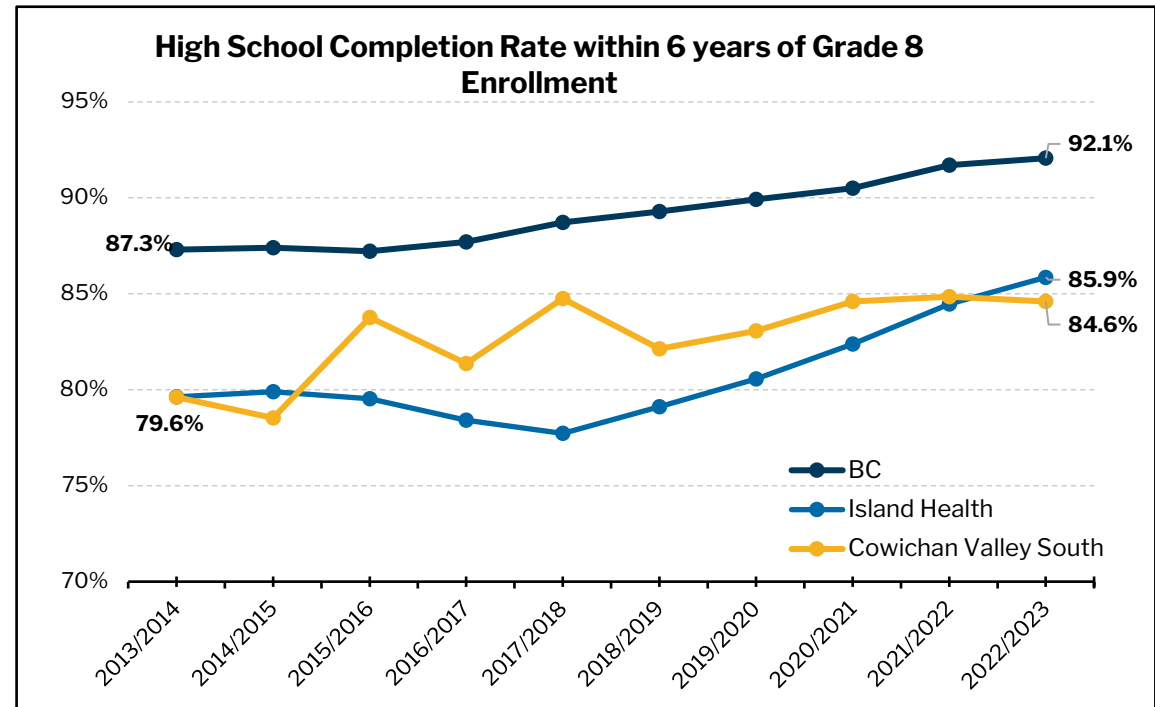
	<b>Low Income Children (&lt;6 years)</b>	<b>Low Income Children and Youth (&lt;18)</b>	<b>Low Income Adults (18 to 64)</b>	<b>Low Income Seniors (65+)</b>
<b>BC</b>	<b>11.1%</b>	<b>11.3%</b>	<b>9.7%</b>	<b>13.8%</b>
<b>Island Health</b>	<b>11.1%</b>	<b>11.3%</b>	<b>9.3%</b>	<b>11.6%</b>
<b>Cowichan Valley South</b>	<b>13.4%</b>	<b>13.6%</b>	<b>9.2%</b>	<b>10.3%</b>
<b>CHSAs</b>				
South Cowichan	6.0%	8.0%	6.8%	7.5%
Central Cowichan	15.8%	15.8%	10.3%	11.6%

## Education

High school completion rates for Cowichan Valley South (School District 79 which also includes schools within Cowichan Valley West LHA) have been increasing over the last 10 years but are lower than the rates for Island Health in year 2022/2023 by 1.3% and lower than BC by 7.5%. According to the 2021 Census, a higher proportion of the Cowichan Valley South adult population have completed post-secondary education, compared to BC as a whole; the proportion is lower compared to Island Health.

### Population aged 25 to 64 with post-secondary certificate, diploma, or degree (%) (2021 Census)

<b>BC</b>	<b>57.1%</b>
<b>Island Health</b>	<b>65.2%</b>
<b>Cowichan Valley South</b>	<b>58.9%</b>
<b>CHSAs</b>	
South Cowichan	64.3%
Central Cowichan	56.5%

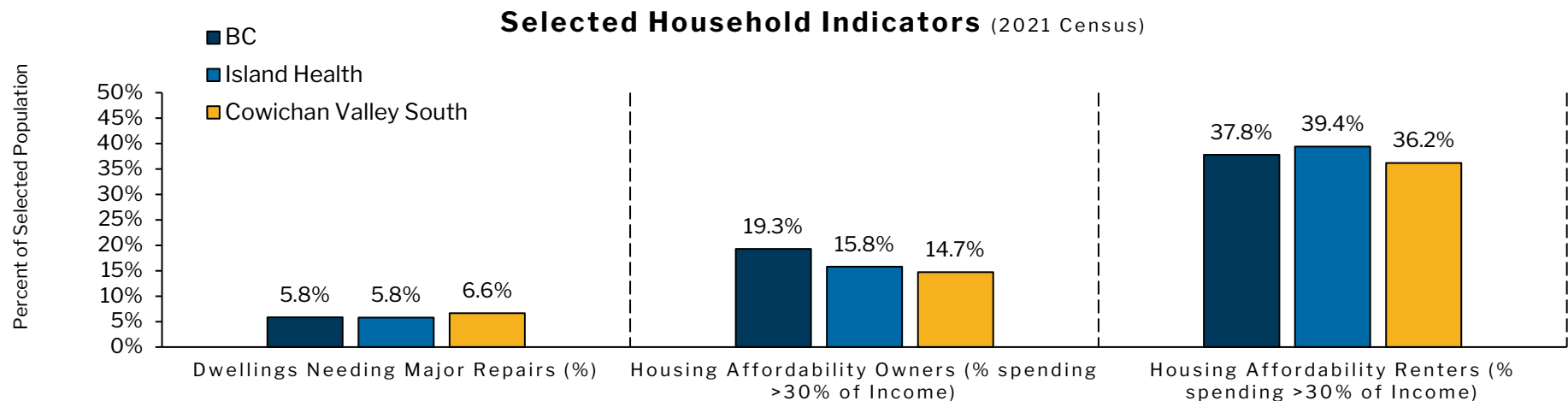




## Housing

One way to measure the affordability of housing is to look at how much of a household's income is spent on shelter, the shelter-to-income ratio (STIR). Statistics Canada considers households with STIRs above 30% to be experiencing housing unaffordability. The proportion of renters spending more than 30% of income on housing in Cowichan Valley South is lower than Island Health and BC at 36.2%. The proportion of owners spending more than 30% of income on housing in Cowichan Valley South is also lower than BC and Island Health at 14.7%.

Another measure of housing suitability is households living in homes in need of major repairs, which include repairs to defective plumbing or electrical wiring, or structural repairs to walls, floors or ceilings. The percentage of households in need of major repairs (e.g. defective electrical wiring) is higher in Cowichan Valley South, at 6.6%, compared to Island Health and BC.



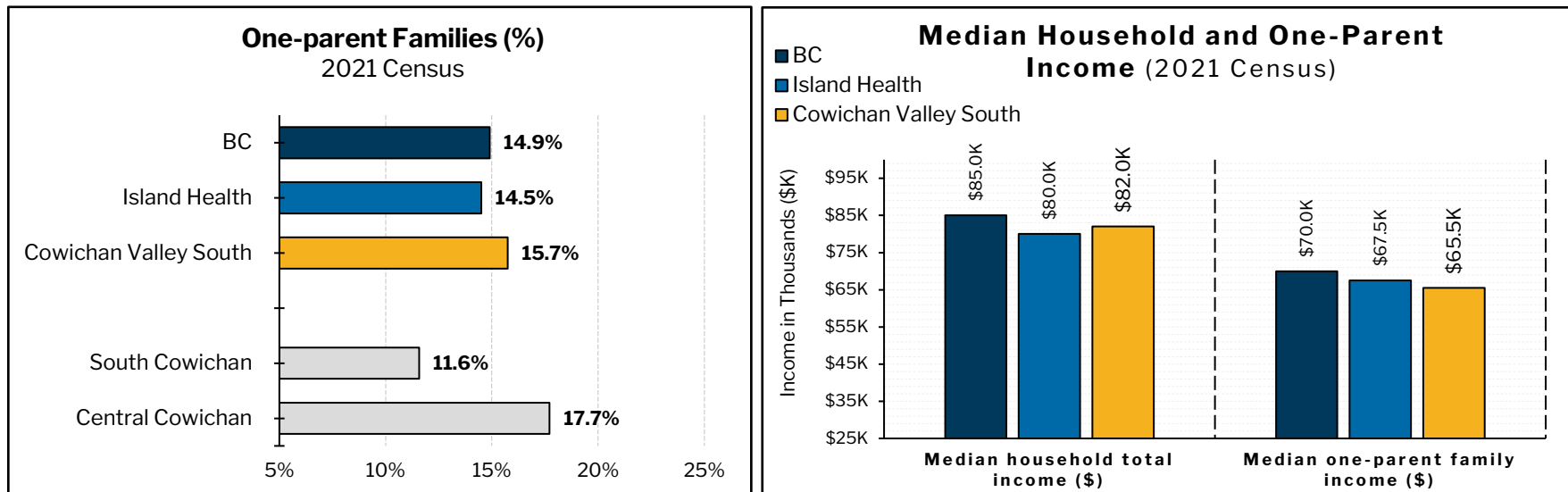
### Selected Household Indicators (2021 Census)

	Dwellings Needing Major Repairs (%)	Housing Affordability Owners (% spending >30% of Income)	Housing Affordability Renters (% spending >30% of Income)
<b>BC</b>	<b>5.8%</b>	<b>19.3%</b>	<b>37.8%</b>
<b>Island Health</b>	<b>5.8%</b>	<b>15.8%</b>	<b>39.4%</b>
<b>Cowichan Valley South</b>	<b>6.6%</b>	<b>14.7%</b>	<b>36.2%</b>
<b>CHSAs</b>			
South Cowichan	5.8%	16.1%	32.4%
Central Cowichan	7.0%	14.0%	37.0%

## Early Childhood Development

Creating supportive and healthy environments where all children and youth can grow and thrive is critical to the health of the population. This includes supporting birthing persons during the pre- and post-natal period, supporting families during early development years, and supporting children and youth to grow, learn, and transition into adulthood. Socioeconomic factors, such as household income, also play important roles in supporting optimal childhood and youth development.

Cowichan Valley South has a higher percentage of one-parent families than both Island Health and BC. Median household income in Cowichan Valley South is \$82,000 and is lower than BC, but higher than Island Health. Median household income for one-parent families \$65,500 and is lower than both BC and Island Health.

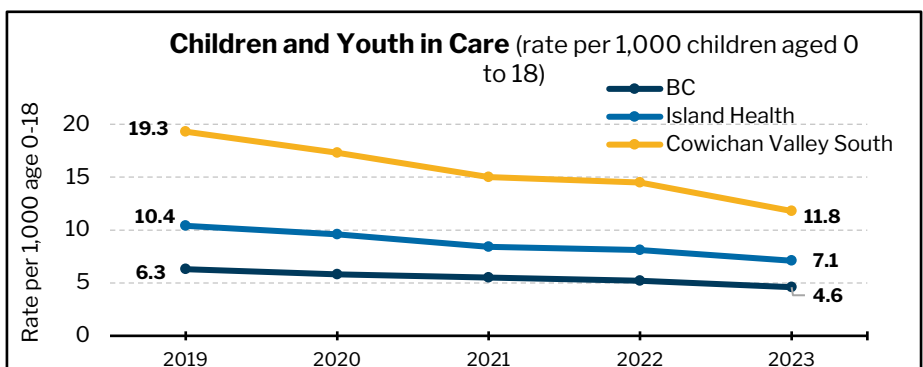
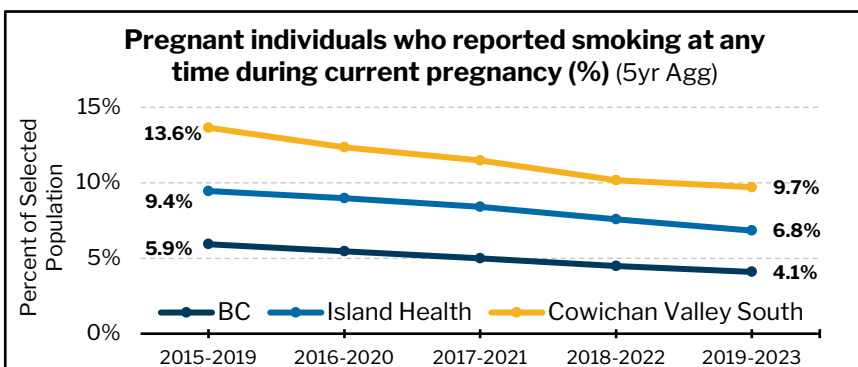
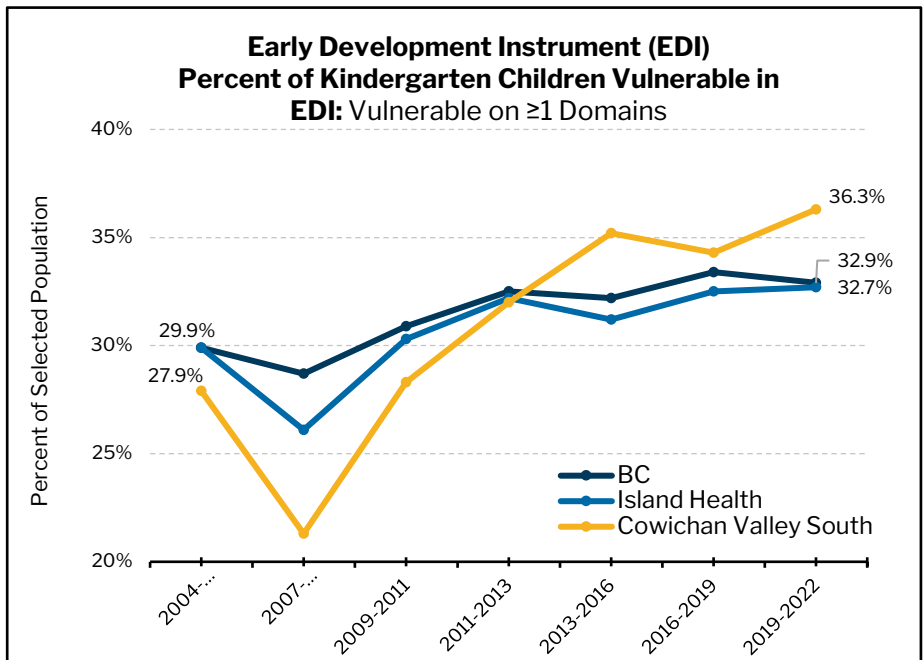


The Early Development Instrument (EDI) is used to measure vulnerability among kindergarten children across five domains (social, physical, emotional, language, and communication). Increases in the EDI rate are a negative indicator of child health and decreases are a positive indicator. For Island Health overall, vulnerability has increased over time but has seen minimal change in the last 10 years.

At 36.3%, Cowichan Valley South has higher levels of vulnerability for kindergarten children than Island Health and BC.

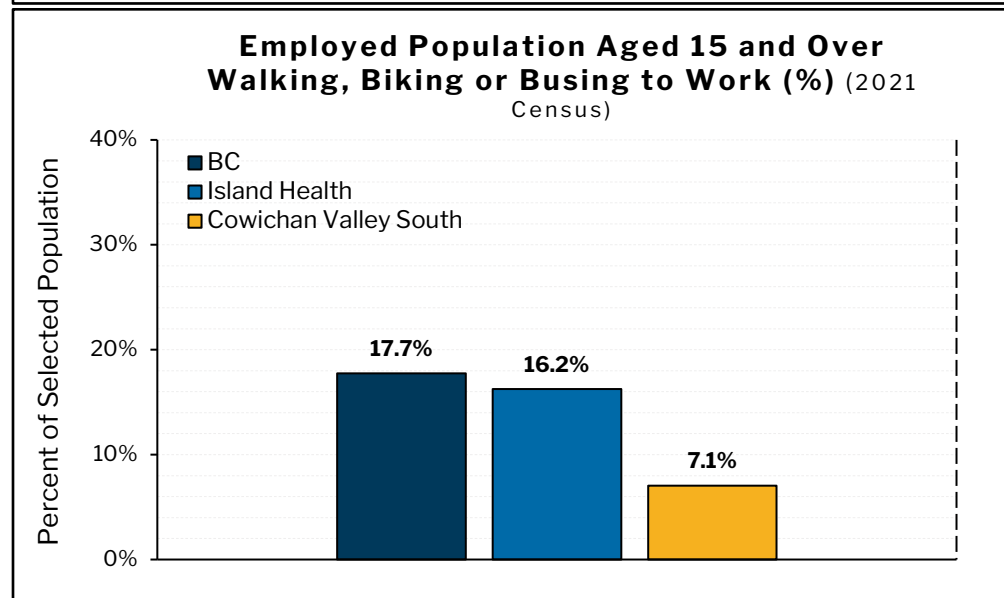
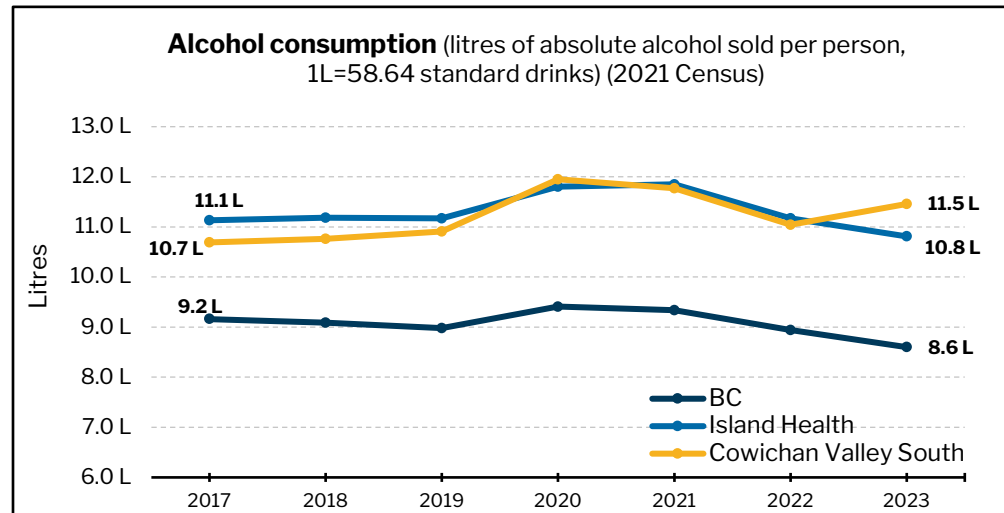
Smoking during pregnancy has demonstrated negative effects for both the pregnant individual and baby. Overall, rates of smoking during pregnancy have been decreasing over the past eight years. The rate for Cowichan Valley South was 9.7%, higher than both Island Health (6.8%) and the provincial rate (4.1%).

Rates of children and youth (per 1,000 children aged 0 to 18) in care have decreased over the past five years. In 2023, for the rate for Cowichan Valley South was 11.8, higher than Island Health (7.1) and higher than BC (4.6). See the Determinants of Health summary on pages 31 – 34 for more information.





## Healthy Behaviours and Built Environment



Supporting healthy behaviours such as healthy eating, exercise, not smoking, reducing alcohol consumption, and maintaining social connections contributes to population health. Many healthy behaviour indicators are available through the Canadian Community Health Survey (CCHS) but not all the data are available at the LHA level.

Among available LHA-level data, average annual per capita alcohol sales, an indicator of overall alcohol consumption, in Cowichan Valley South was 11.5 L in 2023, higher than both Island Health and BC.

A smaller proportion of the employed population in Cowichan Valley South took sustainable transportation (walking, biking or busing) to work compared to BC and Island Health.

**Employed Population Aged 15 and Over Walking, Biking or Busing to Work (%)** (2021 Census)

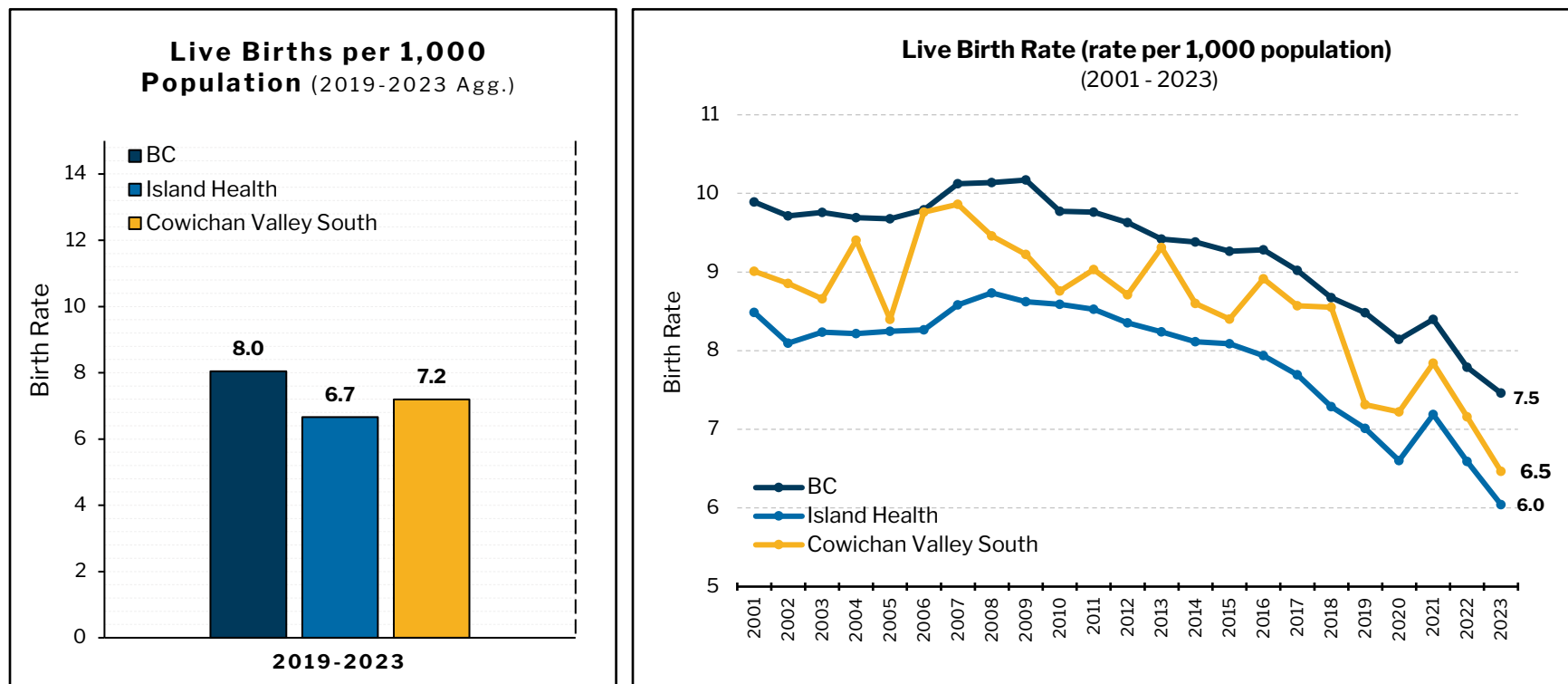
<b>BC</b>	<b>17.7%</b>
<b>Island Health</b>	<b>16.2%</b>
<b>Cowichan Valley South</b>	<b>7.1%</b>
<b>CHSAs</b>	
South Cowichan	5.5%
Central Cowichan	7.7%

# Health Status

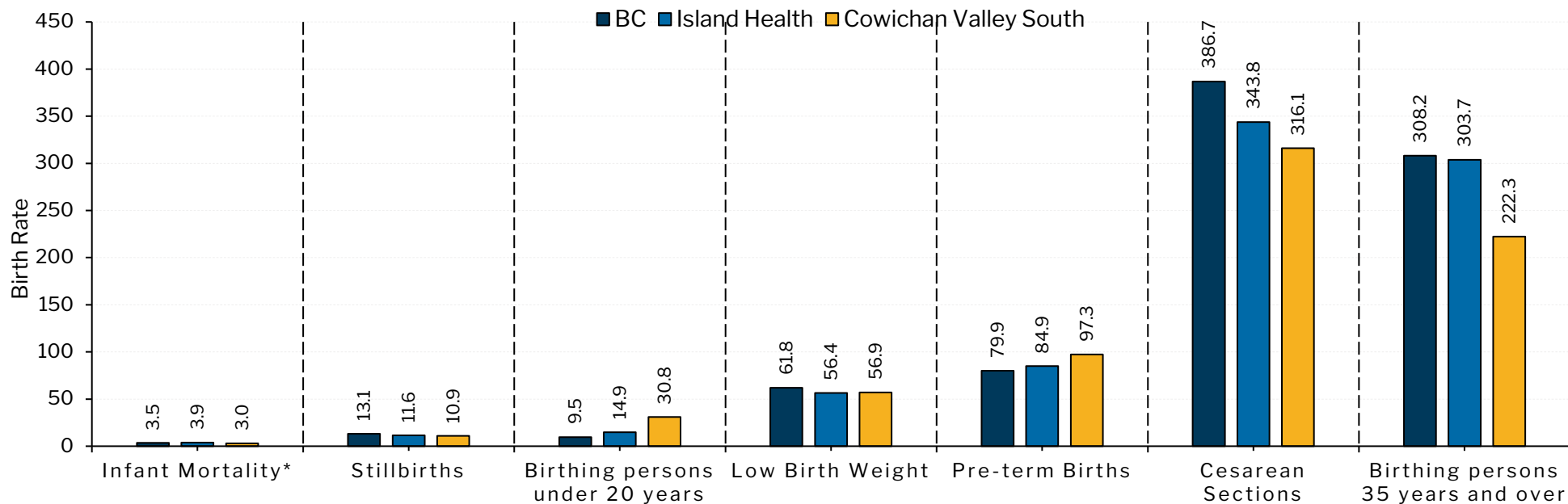
The health status of the population is measured with several indicators such as life expectancy, infant mortality, prevalence of chronic disease, mortality, and premature mortality.

## Birth Statistics

The live birth rate has decreased since 2001. The overall birth rate for Cowichan Valley South (2019-2023) is 7.2 live births per 1,000 population and is lower than the BC rate, but higher compared to Island Health. Compared to Island Health, there are proportionately fewer births to older (35 years and over) individuals but more births to those under the age of 20 years. The rate of low-birth-weight babies sits above Island Health and below BC, while the rate of pre-term births (those born at less than 37 weeks) is higher than both Island Health and BC.



### Birth Statistics, Per 1,000 Live Births (2019-2023 Agg.)



\* It is important to note that caution should be exercised when dealing with a small number of cases as an increase or decrease may indicate random variation rather than a notable change in rates.

## Mortality Statistics

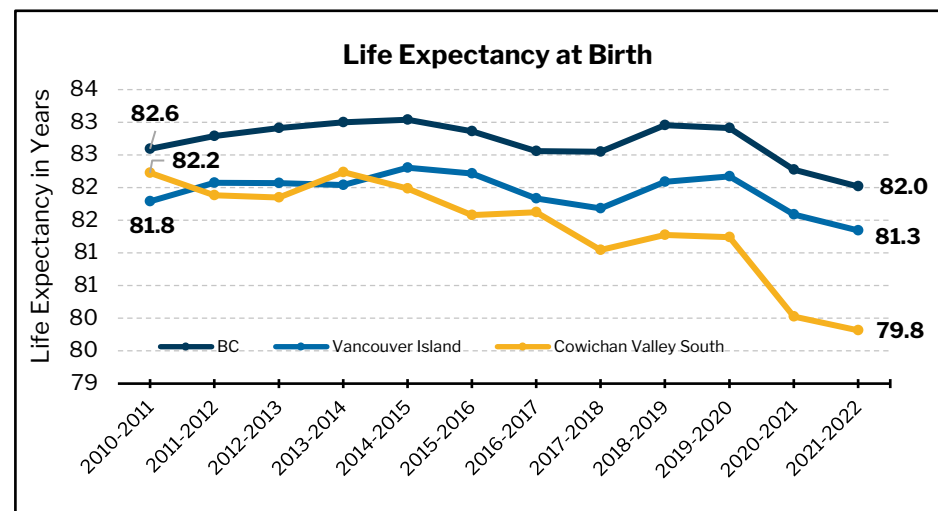
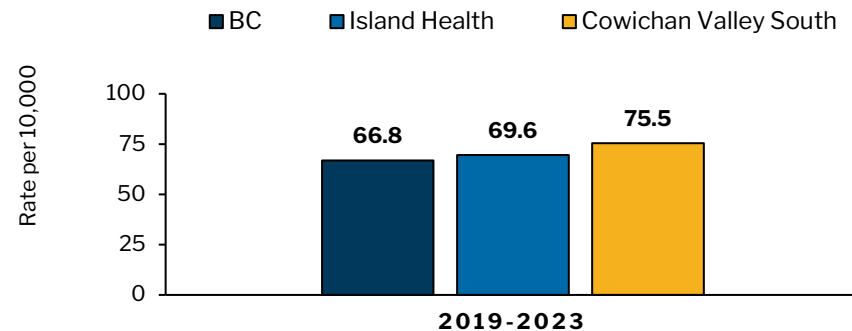
Mortality rates have seen a notable increase in Cowichan Valley South from 68.7 per 10,000 in 2013-2017 to 75.5 per 10,000 in years 2019-2023. The age standardized all-cause mortality rate per 10,000 for 2019-2023 in Cowichan Valley South is higher than both BC (66.8), and Island Health (69.6).

Potential years of life lost (PYLL) is a measure of premature mortality (an estimate of the average years a person would have lived if they had not died before the established life expectancy of 75 years). The age standardized all-cause PYLL in Cowichan Valley South is 71.0 years lost per 1,000 population; this is considerably higher than the Island Health rate (58.3) and BC overall rate (52.3). In Cowichan Valley South, the leading causes of PYLL are malignant neoplasms, diseases of the circulatory system, and diseases of the digestive system. The PYLL for each of these causes is higher in Cowichan Valley South compared to Island Health and BC.

The Cowichan Valley South life expectancy has fallen 2.4 years, from 82.2 in 2010-2011 to 79.8 in 2021-2022, with a steep decline since 2019-2020. Since 2010-2011, the Island Health life expectancy has fallen 0.5 years, and the BC life expectancy has fallen 0.6 years; Island Health and BC have seen a decline in life expectancy in the last few years as well.

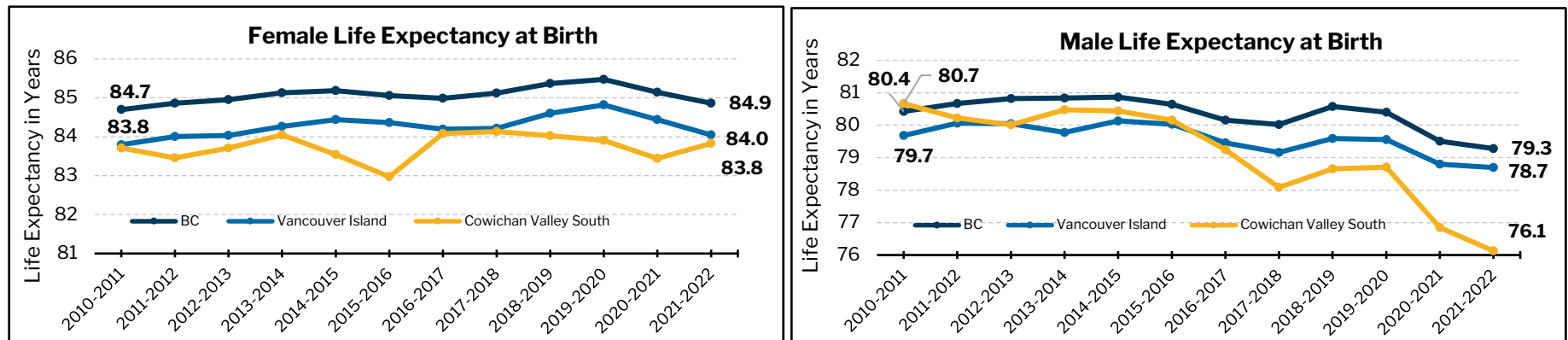
### Mortality (age-standardized rate per 10,000)

(2019-2023 Agg.)





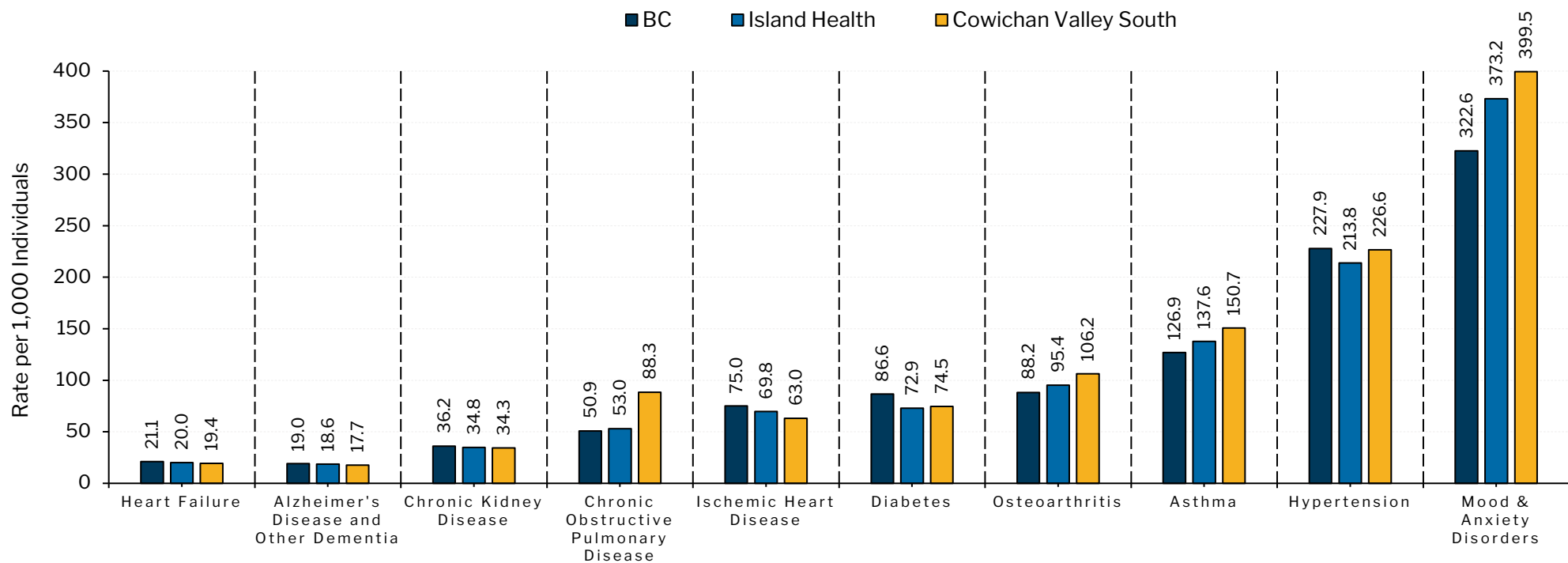
The life expectancy in 2021-2022 in Cowichan Valley South was 7.7 years greater for females (83.8) compared to males (76.1). The male life expectancy in Cowichan Valley South is substantially lower than the male life expectancy in BC and Island Health in 2021-2022; the female life expectancy in Cowichan Valley South is also lower than for Island Health and BC.



## Chronic Disease

Among the most prevalent Chronic diseases, the prevalence rates tend to be higher or similar for Cowichan Valley South in comparison to Island Health and BC. For Ischemic Heart Disease, Heart Failure and Alzheimer's Disease and Other Dementia rates were lower than both Island Health and BC in 2022/23. The diabetes rate was higher than Island Health but lower than BC. See the Health Status summary on pages 35 - 38 for more information.

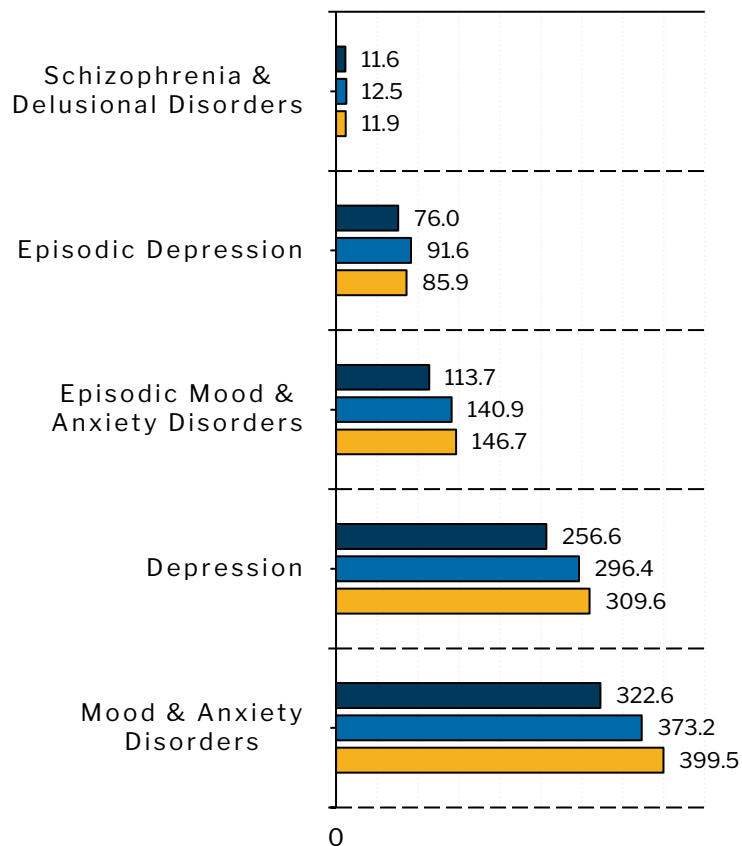
**Chronic Disease Age Standardized Prevalence in 2022/23 Per 1,000 Individuals**



## Mental Health & Substance Use

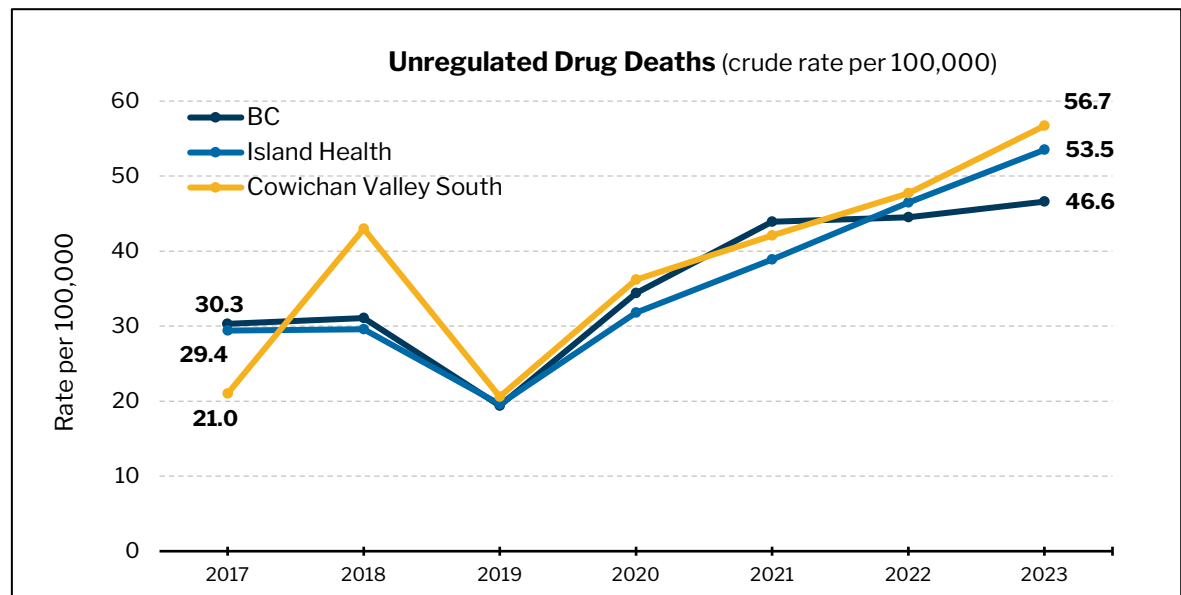
### Mental Health Disorders Age Standardized Prevalence per 1,000 Individuals, 2022/23

■ BC ■ Island Health ■ Cowichan Valley South



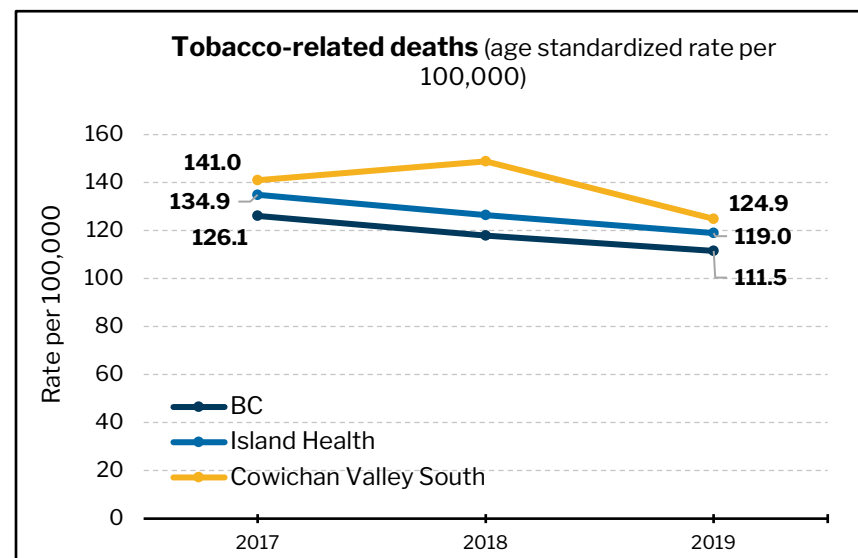
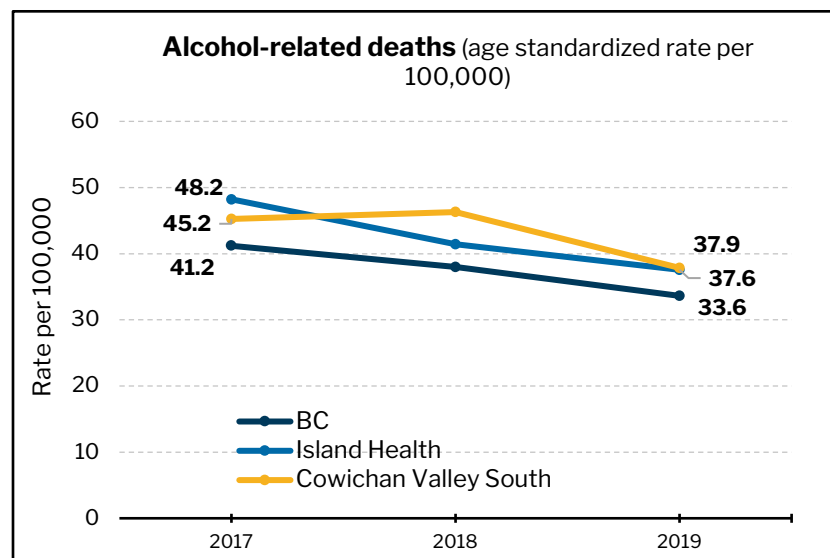
The most common mental health disorder in Cowichan Valley South is mood and anxiety disorders, followed by depression; these rates are higher than Island Health and BC. For schizophrenia and delusional disorders the rate is lower in Cowichan Valley North compared to both Island Health and BC.

Since 2019, unregulated drug deaths have increased in Cowichan Valley South, mirroring the continued increase in BC and Island Health.



For the most up to date data on Unregulated Drug Deaths, visit:  
<https://www2.gov.bc.ca/gov/content/life-events/death/coroners-service/statistical-reports>.

Tobacco and alcohol related deaths have decreased when compared to 2017, with Cowichan Valley South having higher rates than both BC and Island Health in 2019. The indicators directly below have deaths that are partially or entirely attributed to the substance being measured; for more details visit <http://aodtool.cfar.uvic.ca/aod/about.php>. Also, see hospitalization rates on page 32.

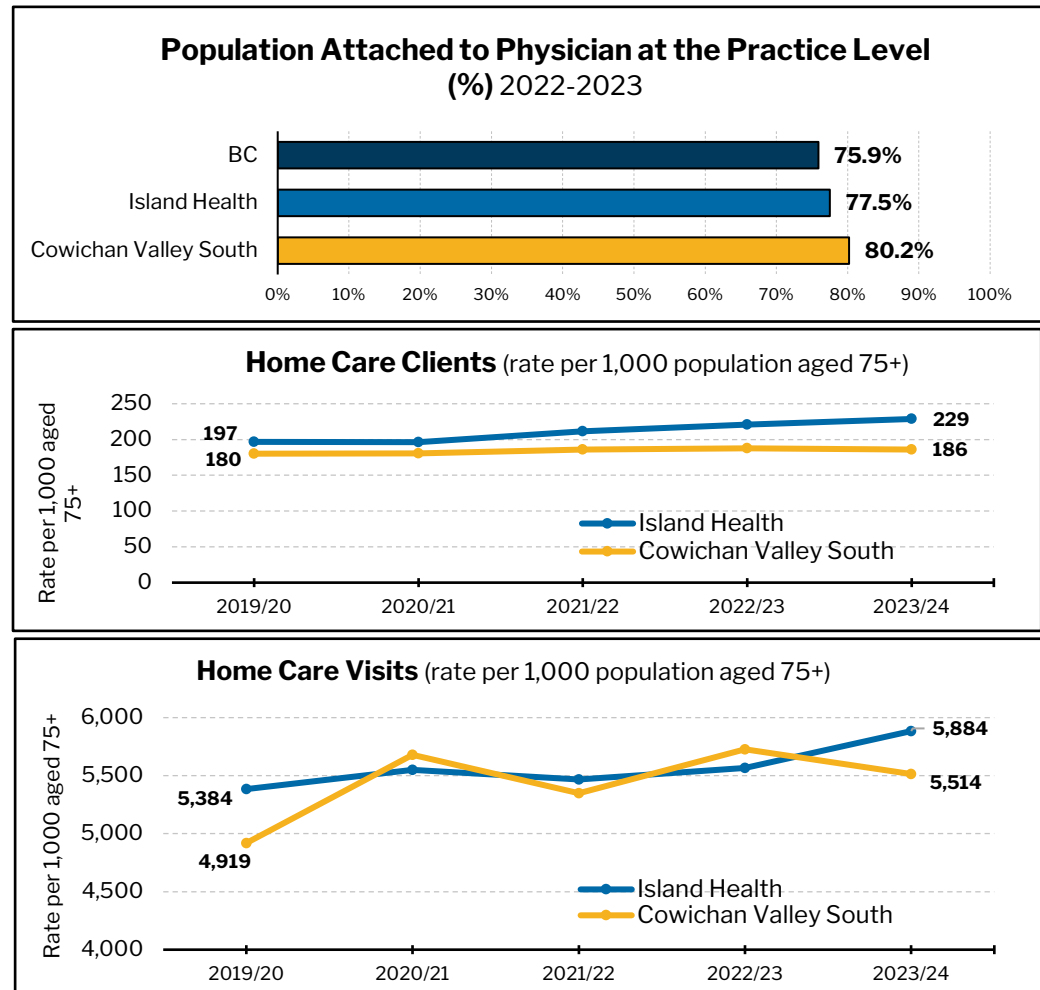


# Health Service Use

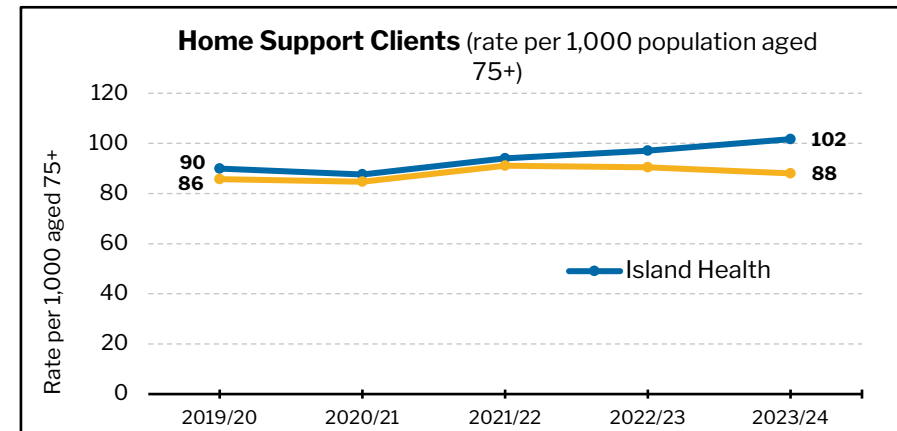
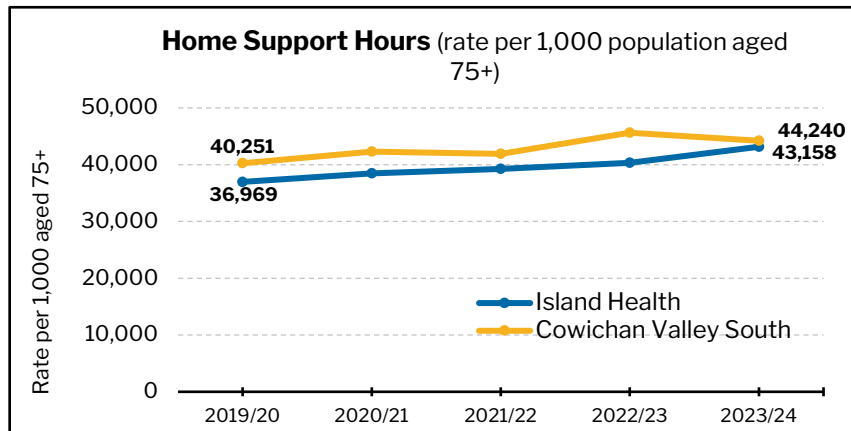
## Physician Attachment and Home-Care Visits

Access to primary care services plays an important role in the use of emergency department and inpatient services. The population attached to a physician at the practice level is calculated by the Ministry of Health and indicates the percentage of the population who have a regular physician or regular physician practice. Compared to Island Health and BC overall, a higher percentage of the Cowichan Valley South population has a physician at the practice level.

There is a lower rate of home care and home support clients for the 75+ age group in Cowichan Valley South compared to Island Health. The Cowichan Valley South rates of home care visits are lower than Island Health's rate for the 75+ population, while the home support hours are higher. See Health Service Use summary on pages 41 - 42 more information on these topics.

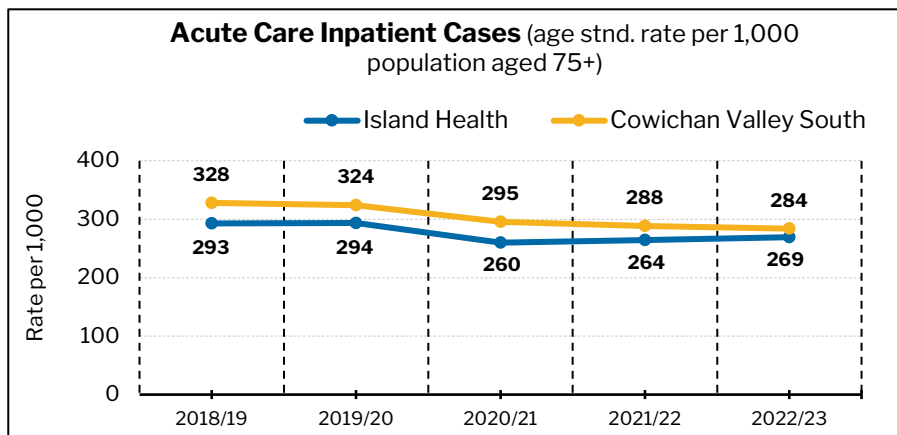
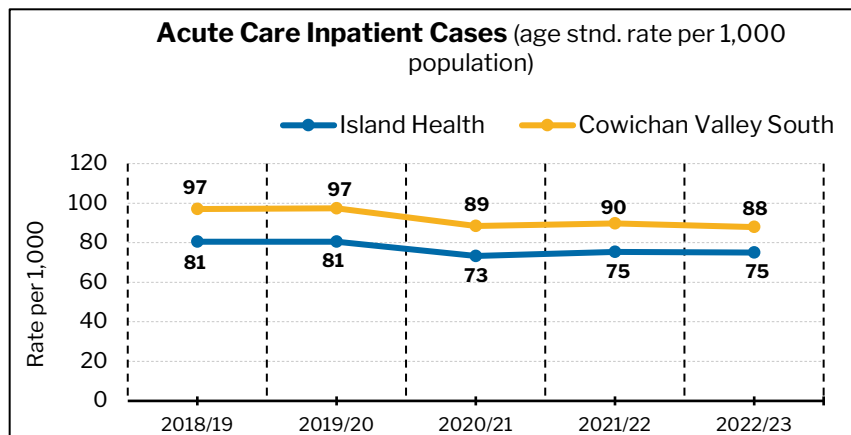






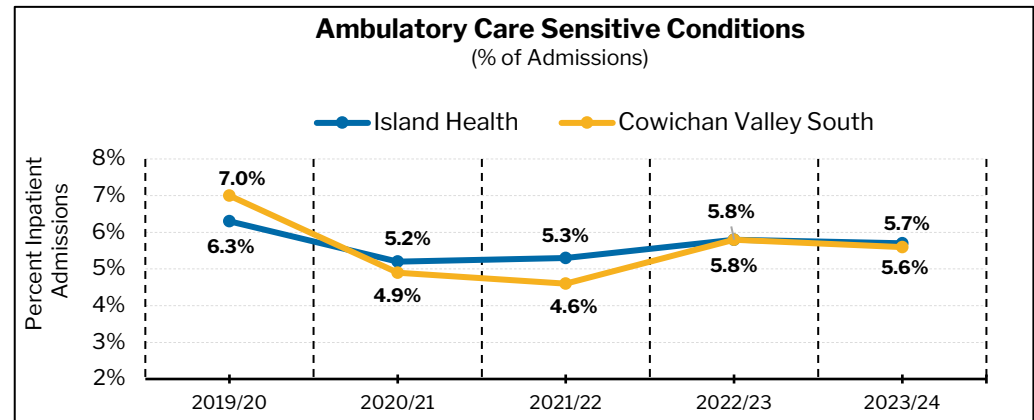
## Acute Care Inpatient Cases

The age standardized hospitalization rate (inpatient admissions) for Cowichan Valley South in 2022/23 was higher than Island Health both overall and for the population aged 75 and over.



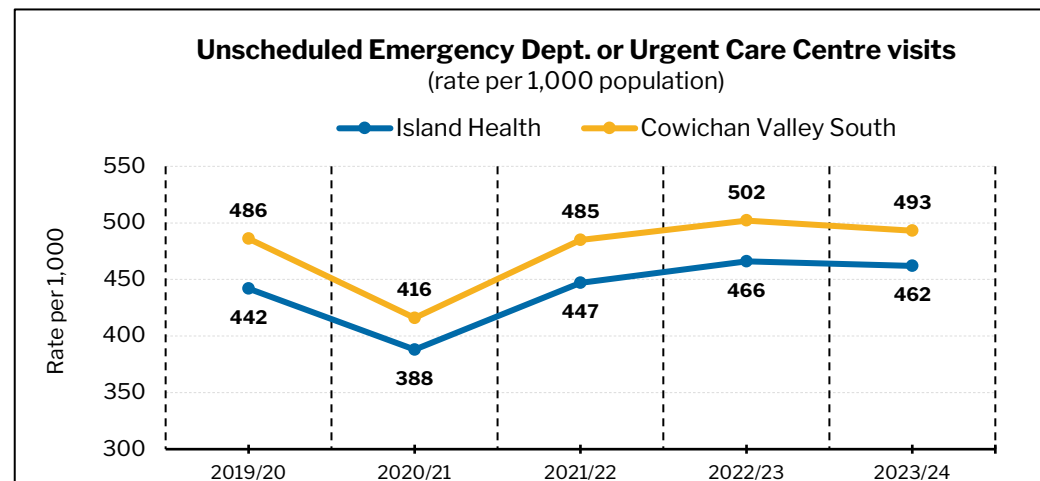
## Ambulatory Care Sensitive Conditions

Ambulatory Care Sensitive Conditions (ACSCs) are conditions that can be treated in the community if services are available and would not necessarily require hospitalization. Tracking the percentage of hospital admissions due to ACSCs can provide an indicator of access to primary or other non-urgent care. In Cowichan Valley South in 2023/24, 5.6% of hospital admissions were attributed to ACSCs, slightly lower than the Island Health percent of 5.7%.



## Emergency and Urgent Care Centre Visits

Emergency/urgent care visit rates were higher for Cowichan Valley South in 2023/24 compared to Island Health. Health service usage is based on where the user resides, rather than where the service is provided. See the Health Service Use summary on pages 41 - 42 for more information on these topics.



## Additional Indicators and Data

The tables below compare various indicators for this Local Health Area (LHA) with those of Island Health, British Columbia, and other LHAs within Island Health.

These results do not necessarily indicate statistical significance; instead, they provide a relative comparison of the LHA's performance against others within Island Health.

LHAs referenced in the below data tables include 411: Greater Victoria, 412: Western Communities, 413: Saanich Peninsula, 414: Southern Gulf Islands, **421: Cowichan Valley South**, 422: Cowichan Valley West, 423: Cowichan Valley North, 424: Greater Nanaimo, 425: Oceanside, 426: Alberni/Clayoquot, 431: Comox Valley, 432: Greater Campbell River, 433: Vancouver Island West, and 434: Vancouver Island North. These will be referred to numerically in the tables.

**The LHA profile covered by this report is highlighted in yellow in the tables.**

Population and Demographics Summary																	
				LHAs													
				South Island HSDA				Central Island HSDA						North Island HSDA			
Indicator Description	Time Period	BC	Island Health	411	412	413	414	421	422	423	424	425	426	431	432	433	434
Population and Population Projection																	
10-year population growth (%)	2023 - 2032	9.6	6.2	1.4	26.7	-0.4	6.2	3.4	2.2	4.3	7.9	6.2	1.2	6.6	4.3	-8.0	-11.0
Population aged 0-19 (%)	2023	18.8	17.3	15.1	21.0	16.0	13.8	20.0	16.4	17.0	18.3	12.5	19.9	18.3	18.5	18.7	19.1
Population aged 20-44 (%)	2023	36.3	31.2	38.0	36.7	25.0	21.4	27.4	24.0	24.0	31.3	18.8	30.8	27.2	28.2	23.9	25.7
Population aged 45-64 (%)	2023	25.1	25.7	24.3	25.6	25.8	28.3	27.2	31.7	26.5	25.4	26.8	25.7	26.3	26.2	29.3	28.2
Population aged 65-74 (%)	2023	11.2	14.4	12.2	10.3	16.9	21.9	14.7	18.4	18.3	13.9	22.5	13.8	15.5	16.2	18.2	17.7
Population aged 75 and over (%)	2023	8.5	11.4	10.5	6.4	16.2	14.7	10.8	9.5	14.2	11.0	19.4	9.9	12.7	10.9	9.9	9.2
Percent growth of the 0-19 age group population in next 10 years	2023 - 2032	-3.4	-6.0	-9.7	10.0	-5.6	-4.1	-10.2	-6.7	-2.5	-6.6	-8.0	-12.4	-2.8	-13.8	-33.7	-35.6
Percent growth of the 20-44 age group population in next 10 years	2023 - 2032	9.3	4.1	-5.5	28.1	0.0	21.8	4.6	2.5	9.2	3.3	4.1	3.2	6.1	5.3	2.5	-19.5
Percent growth of the 45-64 age group population in next 10 years	2023 - 2032	6.7	4.0	6.4	25.1	-6.9	3.0	-6.3	-7.7	-8.5	9.5	-5.2	-2.5	2.9	-0.8	-38.7	-28.2
Percent growth of the 65-74 age group population in next 10 years	2023 - 2032	10.4	-0.5	-5.3	30.7	-12.7	-14.5	3.9	-5.3	-6.7	4.1	-1.9	-5.1	-1.5	-6.7	15.7	3.9
Percent growth of the 75+ age group population in next 10 years	2023 - 2032	47.6	43.7	38.8	73.4	27.2	30.1	49.9	64.7	42.2	46.1	42.6	40.7	38.7	61.2	63.3	87.1
Average age (years)	2023	42.0	45.3	43.9	40.4	49.1	51.5	45.0	47.5	48.6	44.6	53.9	43.7	46.4	45.6	46.6	45.7

Population and Demographics Summary Cont'd																	
				LHAs													
				South Island HSDA				Central Island HSDA						North Island HSDA			
Indicator Description	Time Period	BC	Island Health	411	412	413	414	421	422	423	424	425	426	431	432	433	434
<b>Age and Demographics</b>																	
Median age of population (years)	2021	42.8	48.0	43.6	41.2	55.2	58.4	48.8	53.6	55.2	46.4	60.8	46.4	50.8	49.2	52.4	45.2
Population where language spoken most often at home is not English or French (%)	2021	10.2	2.3	4.2	2.0	2.3	0.8	1.0	0.3	0.6	2.4	0.7	1.1	1.1	1.0	0.0	0.7
Visible minority population (%)	2021	34.4	11.6	20.1	11.8	11.6	5.1	6.4	3.1	4.1	11.9	4.1	4.9	5.7	5.1	2.5	4.6
Population in private households with Indigenous Identity (%)	2021	5.9	7.8	4.5	6.1	5.3	3.7	12.5	11.8	13.0	8.5	4.5	19.6	7.3	12.1	27.6	29.8
<b>Marital Status</b>																	
Population aged 15 and over who are married (%)	2021	47.5	45.5	39.3	47.9	54.9	47.1	48.3	46.8	50.1	44.1	54.8	41.1	48.3	46.8	39.4	38.3
Population aged 15 and over who are common-law (%)	2021	10.0	12.4	12.3	13.5	9.1	14.4	12.0	14.2	12.5	12.4	11.2	14.4	12.7	13.3	18.0	17.1
Population aged 15 and over who are single, never married (%)	2021	28.1	25.3	31.8	24.5	19.9	19.4	23.1	22.0	19.4	25.9	15.9	26.7	21.7	22.7	23.7	27.5
Population aged 15 and over who are widowed (%)	2021	5.5	6.3	5.5	4.5	7.6	6.9	6.3	6.3	7.7	6.5	8.2	6.8	6.8	6.5	6.5	6.2
Population aged 15 and over who are separated or divorced (%)	2021	11.6	14.3	13.9	13.5	12.2	17.6	14.4	16.3	15.0	14.9	14.9	14.8	15.0	15.5	18.3	15.7
<b>Migration and Immigrants</b>																	
Immigrant population (%)	2021	29.0	16.0	20.6	14.2	19.5	21.6	12.3	7.6	12.4	15.5	16.5	9.1	12.7	11.0	8.4	9.1
Population migrating to area in the last 5 years (%)	2021	43.8	44.2	45.6	50.3	36.5	42.8	40.2	43.2	38.6	46.5	42.1	44.0	44.3	42.7	43.1	41.5

Determinants of Health Summary																	
				LHAs													
				South Island HSDA				Central Island HSDA						North Island HSDA			
Indicator Description	Time Period	BC	Island Health	411	412	413	414	421	422	423	424	425	426	431	432	433	434
<b>Education</b>																	
Population aged 25 to 64 with post-secondary certificate, diploma or degree (%)	2021	57.1	65.2	72.6	62.6	71.3	68.7	58.9	52.0	60.1	63.2	62.2	54.1	62.8	58.3	38.0	48.2
Grade 12 completion among students entering Grade 12 for the first time (%)	2022 / 2023	83.0	78.3	83.0	84.0	69.0	90.0	74.0	N/A	N/A	82.0	80.0	75.0	71.0	77.0	88.0	67.0
Students completing high school within six years of enrollment in Grade 8 (%)	2022 / 2023	92.1	85.9	91.2	89.9	90.0	100.0	84.6	N/A	N/A	88.1	90.5	87.7	83.3	86.5	70.6	67.9
<b>Employment</b>																	
Population aged 15 and over who are unemployed (%)	2021	8.4	7.5	7.5	6.1	5.5	5.9	6.9	9.1	8.3	8.3	8.7	9.6	8.0	9.0	11.9	9.2
<b>Health Behaviours</b>																	
Alcohol consumption per year (litres of absolute alcohol sold per person, 1L=58.64 standard drinks)	2023	8.6	10.8	8.9	9.6	10.1	12.6	11.5	17.9	7.8	10.6	11.0	13.6	10.3	13.2	12.6	14.6
<b>Household</b>																	
One-parent family households (% of census families with children)	2021	14.9	14.5	14.8	14.4	11.1	11.5	15.7	14.0	12.8	16.7	10.4	18.5	13.9	15.4	17.5	19.3
Private households with multiple families (%)	2021	1.0	0.8	0.7	1.2	1.2	1.0	1.0	0.8	0.8	0.8	0.6	0.8	0.7	0.6	N/A	0.5
Private households with 5 or more persons (%)	2021	6.4	4.9	4.3	5.4	4.5	3.6	6.2	4.3	5.1	5.4	3.1	6.0	4.9	5.3	5.8	6.6
Dwellings rated as needing major repairs by renter or owner (%)	2021	5.8	5.8	5.9	4.0	3.9	8.8	6.6	6.8	6.5	5.7	4.2	9.3	5.7	6.0	14.1	13.6
Private households that are owner-occupied (%)	2021	66.8	69.0	53.6	71.7	81.4	83.0	77.4	84.1	81.0	69.5	81.6	71.1	77.3	74.1	76.6	71.2



Determinants of Health Summary Cont'd

LHAs																	
				South Island HSDA				Central Island HSDA						North Island HSDA			
Indicator Description	Time Period	BC	Island Health	411	412	413	414	421	422	423	424	425	426	431	432	433	434
Morbidity																	
Alcohol-related hospital admissions (age stnd. rate per 100,000)	2019	352.0	468.7	450.0	345.5	428.9	384.8	606.0	575.6	517.7	481.4	431.7	766.4	412.7	534.2	749.1	813.3
Cannabis-related hospital admissions (age stnd rate per 100,000)	2019	25.0	33.3	25.1	20.4	17.7	27.5	50.7	88.9	46.2	54.1	49.4	33.1	32.7	33.0	29.9	40.9
Opioid-related hospital admissions (age stnd rate per 100,000)	2019	40.3	51.9	41.6	23.7	25.8	24.2	90.0	207.7	68.1	71.3	68.3	61.3	58.5	50.0	63.7	128.0
Tobacco-related hospital admissions (age stnd rate per 100,000)	2019	429.5	426.1	378.3	441.8	294.1	303.0	567.9	592.3	405.8	454.6	334.5	617.1	474.0	540.7	528.7	740.0
Transportation																	
Employed population aged 15 and over walking, biking or busing to work (%)	2021	17.7	16.2	31.1	11.2	11.6	14.1	7.1	10.3	7.8	10.1	8.3	12.3	10.7	8.7	26.4	13.8
Child Health																	
Child mental diseases & disorders hospital admissions (rate per 1,000 aged 0-14)	2022/23	1.8	2.0	2.4	2.3	1.0	2.7	2.6	5.9	5.0	2.3	2.0	1.0	0.5	1.2	0.0	0.0
Youth mental diseases & disorders hospital admissions (rate per 1,000 aged 15-24)	2022/23	11.0	13.6	9.2	12.5	9.4	13.8	19.5	24.6	11.8	18.7	13.5	24.0	9.0	13.9	0.0	19.0
Child/youth mental diseases & disorders hospital admissions (rate per 1,000 aged 0 to 24)	2022/23	6.0	7.1	5.9	6.4	4.8	6.5	9.6	13.4	7.7	9.4	6.7	10.2	3.8	6.3	0.0	8.1
Child hospitalization admissions - injury/poisoning (rate per 1,000 aged 0 to 14)	2022/23	1.9	2.2	2.5	1.6	1.8	2.7	3.0	0.0	6.1	2.1	0.0	2.5	2.3	2.0	0.0	3.0
Child hospitalizations - respiratory diseases & disorders (rate per 1,000 aged 0 to 14)	2022/23	6.2	7.2	6.9	6.9	7.3	7.0	7.3	11.8	8.7	7.9	4.0	12.1	4.7	6.8	17.8	16.2
Pregnant persons who reported smoking at any time during current pregnancy (%) (5yr Agg)	2018 - 2022	4.5	7.6	5.8	8.6	4.6	7.0	10.2	16.4	7.1	7.7	7.9	6.8	6.2	11.0	29.0	16.4

Determinants of Health Summary Cont'd

LHAs																	
				South Island HSDA				Central Island HSDA						North Island HSDA			
Indicator Description	Time Period	BC	Island Health	411	412	413	414	421	422	423	424	425	426	431	432	433	434
Early Development																	
EDI: Kindergarten children rated as vulnerable for physical development (%)	2019 - 2022	14.7	15.6	11.1	17.4	14.2	16.2	20.1	5.8	14.9	15.7	14.1	19.1	16.9	15.7	28.6	13.2
EDI: Kindergarten children rated as vulnerable for social development (%)	2019 - 2022	16.3	15.9	14.8	18.7	14.2	15.5	16.7	5.8	12.1	17.2	12.6	15.1	17.1	16.6	37.1	13.7
EDI: Kindergarten children rated as vulnerable for emotional development (%)	2019 - 2022	17.5	19.0	18.9	19.5	18.4	19.0	20.1	15.4	15.6	19.8	16.7	17.3	21.4	19.3	37.1	17.7
EDI: Kindergarten children rated as vulnerable for language development (%)	2019 - 2022	10.5	11.0	7.2	10.7	7.7	4.2	11.9	5.8	12.1	13.9	8.8	14.5	12.4	11.6	33.3	17.6
EDI: Kindergarten children rated as vulnerable for communication development (%)	2019 - 2022	14.3	11.8	9.2	12.7	10.3	11.3	15.2	1.9	9.2	12.3	8.1	15.1	12.1	12.8	22.9	12.3
EDI: Kindergarten children rated as vulnerable on one or more domains (%)	2019 - 2022	32.9	32.7	29.1	33.3	28.3	34.5	36.3	23.1	31.9	34.7	28.4	34.4	37.0	33.7	54.3	34.8
Income																	
Median one-parent family income (\$)	2021	70K	68K	71K	74K	79K	59K	66K	58K	71K	65K	61K	60K	66K	61K	48K	58K
Median household total income (\$, in thousands)	2021	85K	80K	78K	95K	99K	72K	82K	70K	78K	77K	74K	69K	78K	76K	56K	68K

Determinants of Health Summary Cont'd

LHAs																	
				South Island HSDA				Central Island HSDA						North Island HSDA			
Indicator Description	Time Period	BC	Island Health	411	412	413	414	421	422	423	424	425	426	431	432	433	434
Income Inequality																	
Difference in median income comparing males and females aged 15 and over	2021	3200	1600	800	4400	4000	-1600	4400	1600	7600	2000	0	400	4400	3600	-4400	7600
Low income based on after-tax low income measure (%)	2021	10.8	10.2	10.4	6.8	6.5	14.5	10.3	13.2	11.0	11.0	11.2	13.7	10.2	11.0	22.5	17.3
Low income based on after-tax low-income measure, ages less than 18 years (%)	2021	11.3	11.3	10.6	7.2	6.5	19.1	13.6	20.4	12.1	11.5	13.9	17.5	10.6	13.0	34.5	21.5
Low income based on after-tax low-income measure, ages less than 6 years (%)	2021	11.1	11.1	10.7	6.4	5.5	19.2	13.4	16.5	10.6	12.1	14.7	15.1	11.8	11.7	36.0	22.0
Low income based on after-tax low-income measure, ages 18 to 64 years (%)	2021	9.7	9.3	9.7	5.9	6.1	15.3	9.2	11.6	9.9	9.6	11.1	12.4	9.3	9.5	20.2	15.0
Low income based on after-tax low-income measure, ages 65 years and over (%)	2021	13.8	11.6	12.1	9.7	7.2	11.7	10.3	12.6	12.1	14.0	10.4	14.0	11.9	12.8	18.8	19.7
Households (owned) spending more than 30% of income on housing (%)	2021	19.3	15.8	18.5	17.5	14.2	17.9	14.7	16.2	12.7	15.7	13.6	13.4	14.7	14.5	9.7	10.1
Households (rented) spending more than 30% of income on housing (%)	2021	37.8	39.4	40.9	37.2	36.9	39.9	36.2	33.3	37.0	40.0	43.6	35.6	38.3	37.6	28.0	25.0
Protecting Child and Youth																	
Children and youth in care (rate per 1,000 children aged 0-18)	2023	4.6	7.1	3.8	5.9	N/A	N/A	11.8	19.4	12.0	7.4	5.2	20.2	5.1	9.3	N/A	N/A
Children and youth in need of protection (rate per 1,000 children aged 0-18)	2022	22.6	31.0	21.8	28.1	24.6	18.8	45.0	28.9	49.2	42.5	22.8	58.9	30.2	35.4	129.9	44.8

Health Status Summary																	
				LHAs													
				South Island HSDA				Central Island HSDA						North Island HSDA			
Indicator Description	Time Period	BC	Island Health	411	412	413	414	421	422	423	424	425	426	431	432	433	434
Births																	
Live birth rate (rate per 1,000 population)	2019 - 2023	8.0	6.7	6.2	9.0	5.3	4.7	7.2	8.1	6.9	7.0	4.1	8.1	6.5	7.0	6.6	9.0
Stillbirths (rate per 1,000 births)	2019 - 2023	13.1	11.6	12.5	9.8	6.4	21.2	10.9	10.5	9.5	12.9	11.3	12.0	13.2	10.2	42.3	11.5
Infant mortality - deaths of infants under 1 year of age (rate per 1,000 live births)	2019 - 2023	3.5	3.9	4.3	3.6	2.7	0.0	3.0	3.5	5.4	3.0	0.0	11.3	3.3	4.8	14.1	1.9
Low weight births - less than 2,500 grams (rate per 1,000 live births)	2019 - 2023	61.8	56.4	58.4	57.4	65.4	30.6	56.9	52.6	69.4	53.9	42.4	60.1	46.4	57.1	98.6	59.4
Cesarean sections (rate per 1,000 live births)	2019 - 2023	386.7	343.8	339.9	352.4	325.9	280.0	316.1	333.3	337.4	366.1	335.2	338.5	364.6	342.9	169.0	298.9
Pre-term births - gestational age less than 37 weeks (rate per 1,000 live births)	2019 - 2023	79.9	84.9	80.3	81.3	86.1	58.8	97.3	63.2	100.7	78.5	87.6	116.6	73.2	86.5	211.3	113.0
Birthing persons - live births to persons under 20 years of age (rate per 1,000 live births)	2019 - 2023	9.5	14.9	6.5	7.4	11.2	2.4	30.8	3.5	38.1	18.6	8.5	29.7	8.2	18.6	98.6	78.5
Birthing persons - live births to persons aged 35 and over (rate per 1,000 live births)	2019 - 2023	308.2	303.7	393.0	291.2	328.5	383.5	222.3	242.1	219.0	262.3	287.2	229.0	299.2	251.7	70.4	201.1

Health Status Summary																	
				LHAs													
				South Island HSDA				Central Island HSDA						North Island HSDA			
Indicator Description	Time Period	BC	Island Health	411	412	413	414	421	422	423	424	425	426	431	432	433	434
<b>Morbidity</b>																	
Alzheimer's disease and other dementia - prevalence (age-standardized rate per 1,000)	2022/23	19.0	18.6	20.5	17.1	16.1	15.1	17.7	15.1	19.9	20.7	17.1	21.9	17.7	17.9	8.1	16.7
Asthma - prevalence (age-standardized rate per 1,000)	2022/23	126.9	137.6	127.2	139.4	134.5	117.0	150.7	151.2	165.1	141.2	138.2	149.0	133.1	156.7	160.4	177.4
Chronic kidney disease - prevalence (age-standardized rate per 1,000)	2022/23	36.2	34.8	34.3	39.5	33.7	25.4	34.3	41.6	33.5	36.6	32.8	42.9	32.5	36.0	35.8	35.5
Chronic obstructive pulmonary disease - prevalence (age-standardized rate per 1,000)	2022/23	50.9	53.0	40.6	52.2	33.1	44.0	88.3	102.6	65.2	55.2	47.8	71.2	50.7	73.9	65.3	90.0
Mood and anxiety disorders - prevalence (age-standardized rate per 1,000)	2022/23	322.6	373.2	371.7	373.9	357.0	358.0	399.5	401.6	382.8	367.5	362.6	387.7	374.6	395.7	333.4	385.6
Depression - prevalence (age-standardized rate per 1,000)	2022/23	256.6	296.4	297.8	302.0	286.0	258.8	309.6	310.0	313.8	285.1	287.1	326.3	298.8	306.8	261.0	309.3
Diabetes - prevalence (age-standardized rate per 1,000)	2022/23	86.6	72.9	70.1	84.2	65.4	46.7	74.5	79.6	74.7	76.8	65.6	92.6	63.5	83.0	84.9	93.1
Heart failure - prevalence (age-standardized rate per 1,000)	2022/23	21.1	20.0	17.7	20.5	16.0	15.3	19.4	19.2	20.1	21.1	19.7	31.5	20.5	26.7	22.5	32.4

Health Status Summary Cont'd																	
				LHAs													
				South Island HSDA				Central Island HSDA						North Island HSDA			
Indicator Description	Time Period	BC	Island Health	411	412	413	414	421	422	423	424	425	426	431	432	433	434
<b>Morbidity Con't</b>																	
Hypertension - prevalence (age-standardized rate per 1,000)	2022/23	227.9	213.8	200.5	232.0	208.7	171.2	226.6	232.4	223.7	211.2	208.6	251.0	208.8	229.3	235.4	245.3
Ischemic heart disease - prevalence (age-standardized rate per 1,000)	2022/23	75.0	69.8	57.5	68.1	60.5	53.1	63.0	68.9	70.3	80.8	79.0	99.0	78.7	83.5	83.6	78.4
Osteoarthritis - prevalence (age-standardized rate per 1,000)	2022/23	88.2	95.4	86.4	94.3	93.6	93.7	106.2	106.5	105.4	92.1	95.8	113.0	92.3	116.1	104.7	103.3
Episodic asthma - prevalence (age-standardized rate per 1,000)	2022/23	51.2	56.1	53.6	58.8	53.9	42.6	63.9	64.9	69.7	55.6	53.1	60.2	52.3	61.2	58.0	64.1
Episodic depression - prevalence (age-standardized rate per 1,000)	2022/23	76.0	91.6	94.7	95.8	92.5	69.3	85.9	87.1	100.7	90.3	84.5	105.3	86.7	91.4	73.2	79.9
Episodic mood & anxiety disorders - Prevalence (age-standardized rate per 1,000)	2022/23	113.7	140.9	145.1	150.2	138.4	117.8	146.7	149.5	145.0	131.9	125.1	143.2	141.9	142.9	123.9	129.6
Schizophrenia & delusional disorders - Prevalence (age-standardized rate per 1,000)	2022/23	11.6	12.5	17.3	9.2	9.8	12.8	11.9	13.3	7.3	12.8	11.1	11.4	9.9	10.5	6.9	13.4
<b>Deaths</b>																	
Mortality (age stnd. rate per 10,000)	2019 - 2023	66.8	69.6	67.1	64.0	57.6	56.7	75.5	89.4	73.1	73.6	66.9	97.6	71.4	79.1	75.3	87.1
Mortality- unintentional injury (age stnd. rate per 10,000)	2019 - 2023	4.9	4.7	4.6	2.8	2.6	3.9	5.4	6.4	4.5	5.7	4.9	7.4	5.0	5.9	14.5	6.6
Alcohol-related deaths (age stnd rate per 100,000)	2019	33.6	37.6	42.2	27.2	41.1	27.0	37.9	31.3	32.1	37.1	29.0	50.1	35.8	45.3	81.5	73.3
Unregulated drug deaths (crude rate per 100,000)	2023	46.6	53.6	58.1	15.8	11.1	26.4	59.5	54.6	13.6	91.7	27.9	105.9	47.6	93.3	N/A	51.5
Tobacco-related deaths (age stnd rate per 100,000)	2019	111.5	119.0	121.9	110.0	82.3	84.8	124.9	128.6	120.2	131.2	103.0	152.7	120.6	149.1	178.4	200.0



Health Status Summary Cont'd																	
				South Island HSDA				Central Island HSDA						North Island HSDA			
Indicator Description	Time Period	BC	Island Health	411	412	413	414	421	422	423	424	425	426	431	432	433	434
Life Expectancy																	
Life expectancy (years)	2021 - 2022	82.0	81.3	82.0	82.7	84.2	83.6	79.8	80.5	80.2	80.6	83.1	75.7	80.7	79.4	N/A	75.3
Female life expectancy (years)	2021 - 2022	84.9	84.0	84.3	84.9	86.6	85.4	83.8	83.1	83.4	83.3	86.5	77.7	83.5	81.8	N/A	80.2
Male life expectancy (years)	2021 - 2022	79.3	78.7	79.6	80.4	81.9	81.9	76.1	78.6	77.1	78.0	79.8	73.9	78.0	77.3	N/A	71.2

Health Status Summary Cont'd																	
				LHAs													
				South Island HSDA				Central Island HSDA						North Island HSDA			
Indicator Description	Time Period	BC	Island Health	411	412	413	414	421	422	423	424	425	426	431	432	433	434
Health Matrix*																	
Health matrix: non-users (%)	2022 - 2023	18.1	15.8	13.2	16.5	14.4	14.4	14.4	12.4	15.7	11.7	14.9	13.8	14.1	13.0	16.2	15.0
Health matrix: healthy (%)	2022 - 2023	33.0	29.1	27.7	28.0	28.1	28.7	25.0	25.9	29.8	24.7	28.3	28.9	29.8	28.1	25.0	27.7
Health matrix: adult (18+) major cond. (%)	2022 - 2023	2.5	2.7	2.9	2.7	2.8	2.5	2.6	2.7	2.9	2.9	2.5	2.8	3.0	2.6	2.0	2.3
Health matrix: child and youth (<18) major cond.(%)	2022 - 2023	0.5	0.6	0.5	0.3	0.7	0.8	0.7	0.7	0.7	0.4	0.8	0.7	0.6	0.7	1.2	1.0
Health matrix: low chronic conditions (%)	2022 - 2023	24.6	27.0	28.4	26.6	27.0	27.0	28.1	28.9	26.1	28.3	26.8	27.3	26.8	27.8	27.1	28.6
Health matrix: medium chronic conditions (%)	2022 - 2023	9.0	11.0	13.4	12.7	12.2	12.6	14.9	14.2	10.4	15.3	10.9	11.7	11.6	11.9	13.3	10.7
Health matrix: severe mental health & substance use (%)	2022 - 2023	1.8	2.2	1.2	2.0	2.5	2.4	2.7	1.9	2.8	1.8	2.9	2.2	1.9	2.5	3.2	2.9
Health matrix: maternity & healthy newborns (%)	2022 - 2023	1.9	1.6	1.2	1.1	1.7	1.8	1.5	1.5	1.8	1.0	2.0	1.6	1.5	1.6	1.9	2.0
Health matrix: frail in community (%)	2022 - 2023	0.5	0.6	0.6	0.5	0.6	0.6	0.5	0.5	0.7	0.7	0.5	0.6	0.6	0.5	0.4	0.6
Health matrix: high chronic w/o frailty (%)	2022 - 2023	4.5	5.0	5.6	5.0	5.8	5.4	6.1	6.4	5.1	7.3	6.6	5.6	5.0	6.3	6.6	6.2
Health matrix: high chronic w/ frailty (%)	2022 - 2023	0.6	0.7	0.7	0.7	0.8	0.7	0.5	1.0	0.7	0.8	0.8	0.8	0.8	0.7	0.6	0.8
Health matrix: cancer (%)	2022 - 2023	1.8	2.0	2.5	2.6	1.8	1.6	2.2	2.0	1.6	2.5	1.5	2.5	2.5	2.6	1.8	1.3
Health matrix: frail in residential care(%)	2022 - 2023	0.7	0.9	1.1	0.6	0.9	0.8	0.0	1.0	0.8	1.3	0.7	0.7	0.8	0.7	0.1	0.3
Health matrix: end of life (%)	2022 - 2023	0.6	0.8	1.0	0.9	0.9	0.8	0.8	1.0	0.9	1.3	0.8	0.8	0.8	0.8	0.9	0.6

Potential Years of Life Lost (PYLL) from life expectancy of 75 years

LHAs																	
				South Island HSDA				Central Island HSDA						North Island HSDA			
Indicator Description	Time Period	BC	Island Health	411	412	413	414	421	422	423	424	425	426	431	432	433	434
Potential Years of Life Lost																	
All cause PYLL rate (age stdn. per 1,000)	2019 - 2023	52.3	58.3	54.4	44.2	40.6	47.8	71.0	68.8	62.6	62.8	52.5	103.0	58.8	76.1	87.8	109.2
Cerebrovascular diseases - PYLL rate (age stdn. per 1,000)	2019 - 2023	1.0	1.0	0.9	0.4	0.6	1.0	1.8	0.9	0.7	1.2	0.9	2.1	1.2	1.9	0.0	0.7
Chronic lower respiratory diseases - PYLL rate (age stdn. per 1,000)	2019 - 2023	0.7	0.9	0.9	0.5	0.6	0.7	1.2	3.5	0.3	0.9	0.4	1.8	0.8	1.3	1.3	1.3
Diabetes - PYLL rate (age stdn. per 1,000)	2019 - 2023	1.2	1.2	1.2	1.3	0.9	0.1	1.4	1.9	0.5	1.4	0.8	3.1	1.1	1.3	0.5	2.2
Arteries, arterioles and capillaries - PYLL rate (age stdn. per 1,000)	2019 - 2023	0.3	0.2	0.2	0.2	0.1	0.3	0.1	0.1	0.1	0.4	0.3	0.2	0.4	0.2	0.0	0.8
Accidental falls - PYLL rate (age stdn. per 1,000)	2019 - 2023	0.3	0.2	0.2	0.1	0.2	0.0	0.1	0.2	0.0	0.4	0.1	0.2	0.3	0.1	0.0	0.2
Influenza and pneumonia - PYLL rate (age stdn. per 1,000)	2019 - 2023	0.5	0.6	0.7	0.3	0.4	0.0	0.9	3.2	0.1	0.7	0.1	0.9	0.5	1.0	0.8	2.0
Suicide - PYLL rate (age stdn. per 1,000)	2019 - 2023	2.2	2.9	2.9	3.2	1.6	2.6	3.4	1.9	2.7	2.5	2.4	2.6	3.3	3.1	1.4	9.0
Ischemic heart diseases - PYLL rate (age stdn. per 1,000)	2019 - 2023	2.5	2.6	2.3	2.6	1.8	3.4	3.2	3.0	3.1	2.8	3.0	4.7	2.5	2.4	1.7	4.6
Endocrine, nutritional and metabolic diseases - PYLL rate (age stdn. per 1,000)	2019 - 2023	1.7	1.9	1.8	1.7	1.3	0.3	2.3	2.2	1.3	2.1	1.0	4.7	1.4	2.7	3.1	4.1
Circulatory system - PYLL rate (age stdn. per 1,000)	2019 - 2023	5.5	6.0	5.7	4.9	3.5	6.2	8.3	8.8	5.7	6.6	5.2	10.1	5.6	6.9	4.2	11.8
Lung/tracheal cancer - PYLL rate (age stdn. per 1,000)	2019 - 2023	1.8	1.9	2.0	2.0	1.1	0.9	2.1	1.8	2.1	2.1	1.4	3.1	2.1	1.8	0.8	2.7
Malignant neoplasms - PYLL rate (age stdn. per 1,000)	2019 - 2023	10.8	11.7	11.1	11.7	10.2	9.1	13.9	12.2	13.3	12.0	11.6	13.7	11.6	12.5	8.4	14.5
Motor vehicle accidents - PYLL rate (age stdn. per 1,000)	2019 - 2023	1.0	0.8	0.3	0.8	0.4	0.0	1.3	4.4	0.5	1.3	2.0	1.3	0.5	0.7	0.0	3.9
Diseases of the respiratory system - PYLL rate (age stdn. per 1,000)	2019 - 2023	1.5	1.8	1.8	1.0	1.4	0.8	2.5	7.2	1.9	1.9	0.6	3.5	1.5	3.0	2.1	3.5
Diseases of the digestive system - PYLL rate (age stdn. per 1,000)	2019 - 2023	2.8	3.8	3.5	3.0	3.7	1.5	4.2	2.3	6.2	3.4	2.4	7.5	3.8	4.3	13.6	10.1

Health Service Use Summary																	
				LHAs													
				South Island HSDA				Central Island HSDA						North Island HSDA			
Indicator Description	Time Period	BC	Island Health	411	412	413	414	421	422	423	424	425	426	431	432	433	434
Complex Continuing Care																	
Home care visits (rate per 1,000 population aged 75+)	2023 - 2024	N/D	5884.0	5027.0	4380.0	3458.0	2534.0	5514.0	5705.0	5337.0	4908.0	3266.0	9407.0	5156.0	6370.0	1712.0	5586.0
Long term care beds (rate per 1,000 population aged 75+)	2023 - 2024	N/D	55.0	75.0	26.0	45.0	28.0	60.0	0.0	51.0	52.0	52.0	57.0	55.0	51.0	0.0	31.0
Home care clients (rate per 1,000 population aged 75+)	2023 - 2024	N/D	187.5	192.6	170.3	181.3	144.1	185.9	179.9	226.5	203.6	156.8	199.5	195.8	206.2	93.0	158.1
Home support clients (rate per 1,000 population aged 75+)	2023 - 2024	N/D	83.4	88.5	75.5	61.5	54.3	88.1	76.3	90.9	94.9	80.4	100.1	85.7	84.7	27.9	81.9
Home support hours (rate per 1,000 population aged 75+)	2023 - 2024	N/D	22.0	27.0	21.0	18.0	7.0	26.0	30.0	25.0	24.0	20.0	21.0	16.0	18.0	3.0	10.0
Emergency																	
Unscheduled emergency dept. or urgent care centre visits (rate per 1,000 pop.)	2023 - 2024	N/D	462.0	322.0	287.0	371.0	487.0	493.0	637.0	776.0	529.0	784.0	694.0	448.0	592.0	1462.0	1189.0
Unscheduled emergency dept. or urgent care centre visits (rate per 1,000 75+ pop.)	2023 - 2024	N/D	719.0	517.0	527.0	630.0	728.0	700.0	958.0	1075.0	743.0	1125.0	891.0	698.0	838.0	2633.0	1223.0
Primary Care																	
Population attached to physician (%)	2022 - 2023	75.9	77.5	72.7	74.8	80.9	80.2	80.2	77.9	79.5	79.3	83.3	75.0	80.9	82.6	81.3	70.7

Health Service Use Summary Cont'd																	
				LHAs													
				South Island HSDA				Central Island HSDA						North Island HSDA			
Indicator Description	Time Period	BC	Island Health	411	412	413	414	421	422	423	424	425	426	431	432	433	434
Hospital Inpatient Care																	
Acute care inpatient cases (age stnd. rate per 1,000 population)	2022 - 2023	69.6	75.1	65.3	73.6	65.6	64.3	87.9	112.5	86.4	85.6	70.2	108.4	72.3	88.2	79.4	109.8
Acute care inpatient cases (age stnd. rate per 1,000 population aged 75+)	2022 - 2023	270.9	269.2	252.5	329.0	270.0	233.9	283.9	391.7	274.8	273.3	240.0	317.8	272.0	286.0	186.6	254.3
Alternative level of care cases (age stnd. rate per 1,000 population)	2022- 2023	3.5	1.8	2.2	1.9	1.1	0.9	1.8	0.6	1.1	1.4	1.1	4.4	1.4	1.5	0.0	0.9
Alternative level of care cases (age stnd. rate per 1,000 population 75+)	2022- 2023	34.1	17.1	20.2	20.3	11.4	11.5	19.7	8.9	15.8	12.8	12.3	39.2	17.4	17.0	0.0	5.7
Acute care day cases (age stnd. rate per 1000 population)	2022- 2023	87.3	103.7	76.1	85.0	84.0	65.3	81.3	125.6	90.8	85.8	82.2	89.0	90.8	96.3	92.2	79.9
Acute care day cases (age stnd. rate per 1000 population aged 75+)	2022- 2023	235.9	207.3	183.8	203.3	224.2	186.5	207.1	306.2	224.7	211.6	227.8	205.4	215.0	199.1	128.7	130.4
Alternative level of care days (rate per 1,000 population)	2023-2024	N/D	126.0	158.0	59.0	140.0	94.0	94.0	47.0	100.0	87.0	109.0	124.0	156.0	221.0	173.0	176.0
Alternative level of care days (rate per 1,000 population 75+)	2023-2024	N/D	744.0	976.0	517.0	606.0	371.0	523.0	260.0	514.0	445.0	458.0	854.0	967.0	1568.0	1679.0	1380.0
Ambulatory care sensitive conditions (%)	2023 - 2024	N/D	5.70	6.10	5.90	5.30	4.30	5.60	6.90	7.00	5.10	4.40	7.00	5.80	6.10	7.60	4.90
Maternity acute care utilization (case rate per 1,000 population)	2022 - 2023	8.8	7.2	6.5	9.1	5.8	4.6	8.0	9.6	7.9	8.0	4.8	9.5	6.9	7.5	7.4	10.2
Psychiatry (dementia excluded) acute care utilization (case rate per 1,000 population)	2022 - 2023	8.2	8.8	8.8	6.8	6.0	6.7	9.3	13.0	7.3	10.7	7.9	14.3	7.2	10.6	9.8	12.1
MRI utilization - outpatient MRI exams (per 1000 population)	2023 - 2024	N/D	57.7	54.3	54.8	70.6	50.0	51.9	74.4	59.4	67.3	69.0	51.3	52.4	49.1	51.1	41.6

# Population and Demographics, Data Sources

## Population and Population Projection

Average Age: BC Statistics - P.E.O.P.L.E. 2024| Population Pyramid: BC Statistics - P.E.O.P.L.E. 2024 | Estimated Total Population - 2039: BC Statistics - P.E.O.P.L.E. 2024 | Estimated Population Change - 2039: BC Statistics - P.E.O.P.L.E. 2024 | 10 Year Population Growth (%): BC Statistics - P.E.O.P.L.E. 2024 | Population aged 0-19 (%) - BC Statistics - P.E.O.P.L.E. 2024 | Population aged 20-44 (%) – BC Statistics - P.E.O.P.L.E. 2024| Population aged 45-64 (%) - BC Statistics - P.E.O.P.L.E. 2024 | Population aged 65-74(%) - BC Statistics - P.E.O.P.L.E.2024| Population aged 75 and over (%) - BC Statistics - P.E.O.P.L.E. 2024 | Percent growth of the 0-19 age group population in next 10 years - BC Statistics - P.E.O.P.L.E. 2024 | Percent growth of the 20-44 age group population in next 10 years – BC Statistics - P.E.O.P.L.E. 2024 | Percent growth of the 45-64 age group population in next 10 years - BC Statistics - P.E.O.P.L.E. 2024 | Percent growth of the 65-74 age group population in next 10 years - BC Statistics - P.E.O.P.L.E. 2024 | Percent growth of the 75+ age group population in next 10 years - BC Statistics - P.E.O.P.L.E. 2024

## Age Demographics & Marital Status

Median Age of Population - Census, 2021 | Population where language spoken most often at home is not English or French (%) - Census, 2021 | Visible minority population (%) - Census, 2021 | Population in private households with Indigenous Identity (%) - Census, 2021 | Population aged 15 and over who are married (%) - Census, 2021 | Population aged 15 and over who are common-law (%) - Census, 2021 | Population aged 15 and over who are single, never married (%) - Census, 2021 | Population aged 15 and over who are widowed (%) - Census, 2021 | Population aged 15 and over who are separated or divorced (%) - Census, 2021

## Migration and Immigrants

Immigrant population (%): Census, 2021 | Population migrating to area in the last 5 years (%): Census, 2021

# Determinants of Health, Data Sources

## Education & Employment

Population aged 25 to 64 with post-secondary certificate, diploma or degree (%) - Census, 2021 | Grade 12 completion among students entering Grade 12 for the first time (%) (2yr Agg) - Ministry of Education, 2022-2023 | Students completing high school within six years of enrollment in Grade 8 (%) (2yr Agg) - Ministry of Education, 2022-2023 | Population aged 15 and over who are unemployed (%): Census, 2021

## Health Behaviours

Alcohol consumption (litres of absolute alcohol sold per person, 1L=58 standard drinks)- AOD: CISUR, 2023



## Household

Dwellings rated as needing major repairs by renter or owner (%) - Census, 2021 | One-parent family households (% of census families with children) - Census, 2021 | Private households that are owner-occupied (%) - Census, 2021 | Private households with 5 or more persons (%) - Census, 2021 | Private households with multiple families (%) - Census, 2021 | Households (owned) spending more than 30% of income on housing (%) - Census, 2021 | Households (rented) spending more than 30% of income on housing (%) - Census, 2021

## Income & Income Inequality

Median household total income (\$) - Census, 2021 | Median one-parent family income (\$) - Census, 2021 | Difference in median income comparing males and females aged 15 and over - Census, 2021 | Households (owned) spending more than 30% of income on housing (%) - Census, 2021 | Households (rented) spending more than 30% of income on housing (%) - Census, 2021 | Low income based on after-tax low income measure (%) - Census, 2021 | Low income based on after-tax low-income measure, ages 18 to 64 years (%) - Census, 2021 | Low income based on after-tax low-income measure, ages 65 years and over (%) - Census, 2021 | Low income based on after-tax low-income measure, ages less than 6 years (%) - Census, 2021 | Low income based on after-tax low-income measure, ages less than 18 years (%) - Census, 2021

## Morbidity

Alcohol-related hospitalizations (age-standardized rate per 100,000) - CISUR, 2019 | Cannabis-related hospitalizations (age-standardized rate per 100,000) - CISUR, 2019 | Opioid-related hospitalizations (age-standardized rate per 100,000) - CISUR, 2019 | Tobacco-related hospitalizations (age-standardized rate per 100,000) - CISUR, 2019

## Transportation

Employed population aged 15 and over walking, biking or busing to work (%) - Census, 2021

## Child Health

Child Hospitalizations - Injury/Poisoning (rate per 1,000 aged 0 to 14) : Ministry of Health Ideas, 2022/2023 | Child hospitalizations - Respiratory Dis. (rate per 1,000 aged 0 to 14) Ministry of Health Ideas, 2022/2023 | Child Mental Diseases & Disorders Hospitalizations (rate per 1,000 aged 0-14) Ministry of Health Ideas, 2022/2023 | Youth Mental Diseases & Disorders Hospitalizations (rate per 1,000 aged 15-24): Ministry of Health Ideas, 2022/2023

## Early Development

EDI: Kindergarten children rated as vulnerable for social development (%) - Early Development Instrument, 2019-2022 | EDI: Kindergarten children rated as vulnerable for communication development (%) - Early Development Instrument, 2019-2022 | EDI: Kindergarten children rated as vulnerable for emotional development (%) - Early Development Instrument, 2019-2022 | EDI: Kindergarten children rated as vulnerable for language development (%) - Early Development Instrument, 2019-2022 | EDI: Kindergarten children rated as vulnerable for physical development (%) - Early Development Instrument, 2019-2022 | EDI: Kindergarten children rated as vulnerable on one or more domains (%) - Early Development Instrument, 2019-2022 |

## Protecting Children and Youth

Children and Youth in Care (rate per 1,000 children aged 0 to 18) - Ministry of Children and Family Development, 2023 | Children and Youth in Need of Protection (rate per 1,000 children aged 0 to 18) - Ministry of Children and Family Development, 2022

# Health Status, Data Sources

## Life Expectancy

Female Life Expectancy - Ministry of Health, 2021-2022 | Male Life Expectancy - Ministry of Health, 2021-2022| Life Expectancy - Ministry of Health, 2021-2022

## Deaths

Mortality (age-standardized rate per 10,000) - Vital Statistics, 2024 | Mortality due to unintentional injuries (age-standardized rate per 10,000) - Vital Statistics, 2024 | Alcohol-related deaths (age standardized rate per 100,000) - CISUR, 2019 | Tobacco-related deaths (age-standardized rate per 100,000) - CISUR, 2019 | Unregulated Drug Deaths (crude rate per 100,000) - BC Coroner's Service, 2023

## Health Matrix

Health System Matrix v.14: Healthy (%) - HSM v.14, 2024 | Health System Matrix: Adult (18+) Major Conditions (%) - HSM v.14, 2024 | Health System Matrix: Child and Youth (<18) Major Conditions (%) - HSM v.14, 2024 | Health System Matrix: Low Chronic Conditions (%) - HSM v.14, 2024 | Health System Matrix: Medium Chronic Conditions (%) - HSM v.14, 2024 | Health System Matrix: Severe Mental Health & Substance Use (%) - HSM v.14, 2024 | Health System Matrix: Maternity & Healthy Newborns (%) - HSM v.14, 2024 | Health System Matrix: Frail in Community (%) - HSM v.14, 2024 | Health System Matrix: High Chronic w/o Frailty (%) - HSM v.14, 2024 | Health System Matrix: High Chronic w/ Frailty (%) - HSM v.14, 2024 | Health System Matrix: Cancer (%) - HSM v.14, 2024 | Health System Matrix: Frail in Residential Care(%) - HSM v.14, 2024 | Health System Matrix: End of Life (%) - HSM v.14, 2024 |

## Births

Live Birth Rate (rate per 1,000 population) - Vital Statistics/Ministry of Health, 2019-2023 | Stillbirths (rate per 1,000 births) - Vital Statistics/Ministry of Health, 2019-2023| Infant Mortality - deaths of infants under 1 year of age (rate per 1,000 live births) - Vital Statistics/Ministry of Health, 2019-2023 | Low Weight Births - less than 2,500 grams (rate per 1,000 live births) - Vital Statistics/Ministry of Health, 2019-2023 | Caesarean Sections (rate per 1,000 live births) - Vital Statistics/Ministry of Health, 2019-2023 | Pre-term Births - gestational age less than 37 weeks (rate per 1,000 live births) - Vital Statistics/Ministry of Health, 2019-2023 | Mothers under 20 - live births to mothers under 20 years of age (rate per 1,000 live births) – Vital Statistics/Ministry of Health, 2019-2023 | Mothers 35 and over - live births to mothers aged 35 and over (rate per 1,000 live births) - Vital Statistics/Ministry of Health, 2019-2023

## Morbidity

Alzheimer's Disease and Other Dementia - Prevalence (age-standardized rate per 1,000) - MoH - Chronic Disease Registries, 2022-2023 | Asthma - Prevalence (age-standardized rate per 1,000) - MoH - Chronic Disease Registries, 2022-2023 | Chronic Kidney Disease – Prevalence (age-standardized rate per 1,000) - MoH - Chronic Disease Registries, 2022-2023 | Chronic Obstructive Pulmonary Disease – Prevalence (age-standardized rate per 1,000) - MoH - Chronic Disease Registries, 2022-2023 | Mood and Anxiety Disorders – Prevalence (age-standardized rate per 1,000) - MoH - Chronic Disease Registries, 2022-2023 | Depression - Prevalence (age-standardized rate per 1,000) - MoH - Chronic Disease Registries, 2022-2023 | Diabetes - Prevalence (age-standardized rate per 1,000) - MoH – Chronic Disease Registries, 2022-2023 | Heart Failure - Prevalence (age-standardized rate per 1,000) - MoH - Chronic Disease Registries, 2022-2023 | Hypertension - Prevalence (age-standardized rate per 1,000) - MoH - Chronic Disease Registries, 2022-2023 | Ischemic Heart Disease - Prevalence (age-standardized rate per 1,000) - MoH - Chronic Disease Registries, 2022-2023 | Osteoarthritis - Prevalence (age-standardized rate per 1,000) - MoH - Chronic Disease Registries, 2022-2023 | Episodic Asthma - Prevalence (age-standardized rate per 1,000) - MoH - Chronic Disease Registries, 2022-2023 | Episodic Depression - Prevalence (age-standardized rate per 1,000) - MoH - Chronic Disease Registries, 2022-2023 | Episodic Mood & Anxiety Disorders - Prevalence (age-standardized rate per 1,000) - MoH - Chronic Disease Registries, 2022-2023 | Schizophrenia & Delusional Disorders - Prevalence (age-standardized rate per 1,000) - MoH - Chronic Disease Registries, 2022-2023

## Complex Continuing Care

Home Care Visits (rate per 1,000 population) - Island Health - Ideas, 2023/2024 | Home Care Visits (rate per 1,000 population aged 75 and over) - Island Health - Ideas, 2023/2024 | Long-Term Care Beds (rate per 1,000 population aged 75 and over) - Island Health - Ideas, 2023/2024 | Home Care Clients (rate per 1,000 population aged 75 and over) - Island Health - Ideas, 2023/2024 | Home Support Clients (rate per 1,000 population) - Island Health – Ideas, 2023/2024 | Home Support Clients (rate per 1,000 population aged 75 and over) – Island Health - Ideas, 2023/2024 | Home Support Hours (rate per 1,000 population) - Island Health - Ideas, 2023/2024 | Home Support Hours (rate per 1,000 population aged 75 and over) - Island Health - Ideas, 2023/2024

## Emergency

Unscheduled Emergency Department or Urgent Care Centre visits (rate per 1,000 population) - Island Health - Ideas, 2023/2024 | Unscheduled Emergency Department or Urgent Care Centre visits for 75+ (rate per 1,000 75+ population) - Island Health - Ideas, 2023/2024

## Hospital Day Care

Acute Care Day Cases (age-standardized rate per 1,000 population) - Ministry of Health Ideas, 2022/2023 | Acute Care Day Cases (age-standardized rate per 1,000 population aged 75 and over) - Ministry of Health Ideas, 2022/2023

## Primary Care

Population attached to physician at the practice level (%) - Ministry of Health, 2022-2023

## Potential Years of Life Lost

Accidental Falls - Potential Years of Life Lost rate (age standardized per 1,000): Vital Statistics, Calendar year ending 2019-2023 | All Cause Potential Years of Life Lost rate (age standardized per 1,000): Vital Statistics, Calendar year ending 2019-2023 | Arteries, arterioles and capillaries - Potential Years of Life Lost rate (age standardized per 1,000): Vital Statistics, Calendar year ending 2019-2023 Cerebrovascular diseases - Potential Years of Life Lost rate (age standardized per 1,000): Vital Statistics, Calendar year ending 2019-2023 | Chronic lower respiratory diseases - Potential Years of Life Lost rate (age standardized per 1,000): Vital Statistics, Calendar year ending 2019-2023 | Circulatory system - Potential Years of Life Lost rate (age standardized per 1,000): Vital Statistics, Calendar year ending 2019-2023 | Diabetes - Potential Years of Life Lost rate (age standardized per 1,000): Vital Statistics, Calendar year ending 2019-2023 | Diseases of the digestive system - Potential Years of Life Lost rate (age standardized per 1,000): Vital Statistics, Calendar year ending 2019-2023 | Diseases of the respiratory system - Potential Years of Life Lost rate (age standardized per 1,000): Vital Statistics, Calendar year ending 2019-2023 | Endocrine, nutritional and metabolic diseases - Potential Years of Life Lost rate (age standardized per 1,000): Vital Statistics, Calendar year ending 2019-2023 | Influenza and pneumonia - Potential Years of Life Lost rate (age standardized per 1,000): Vital Statistics, Calendar year ending 2019-2023 | Ischemic heart diseases – Potential Years of Life Lost rate (age standardized per 1,000): Vital Statistics, Calendar year ending 2019-2023 | Lung/tracheal Cancer - Potential Years of Life Lost rate (age standardized per 1,000): Vital Statistics, Calendar year ending 2019-2023 | Malignant neoplasms - Potential Years of Life Lost rate (age standardized per 1,000): Vital Statistics, Calendar year ending 2019-2023 | Motor vehicle accidents - Potential Years of Life Lost rate (age standardized per 1,000): Vital Statistics, Calendar year ending 2019-2023 | Suicide - Potential Years of Life Lost rate (age standardized per 1,000): Vital Statistics, Calendar year ending 2019-2023

## Hospital Inpatient Care

Acute Care Inpatient Cases (age-standardized rate per 1,000 population aged 75 and over) - Ministry of Health Ideas, 2022/2023 | Alternative Level of Care Cases (age-standardized rate per 1,000 population) – Ministry of Health Ideas, 2022/2023 | Alternative Level of Care Cases (age-standardized rate per 1,000 population aged 75 and over) – Ministry of Health Ideas, 2022/2023 | Acute care day cases (age-standardized rate per 1,000 population) – Ministry of Health Ideas, 2022/2023 | Acute care day cases (age-standardized rate per 1,000 population aged 75+) – Ministry of Health Ideas, 2022/2023 | Alternative Level of Care Days (age-standardized rate per 1,000 population) - Ministry of Health Ideas, 2022/2023 | Alternative Level of Care Days (age-standardized rate per 1,000 population aged 75 and over) - Ministry of Health Ideas, 2022/2023 | Ambulatory Care Sensitive conditions (%) - Island Health - Ideas, 2023/2024 | Maternity Acute Care Utilization (case rate per 1,000 population) - Ministry of Health Ideas, 2022/2023 | Psychiatry (Dementia excluded) Acute Care Utilization (case rate per 1,000 population) - Ministry of Health Ideas, 2022/2023 | MRI Utilization – Outpatient MRI Exams (rate per 1,000 population) - Island Health, 2023/2024