



FIRST NATIONS REGIONAL HEALTH SURVEY

PHASE 3 (2015–17)

Interior Region



First Nations Health Authority
Health through wellness



First Nations Health Authority
Health through wellness

**First Nations Regional Health Survey (RHS):Phase 3 (2015-17) Report
Interior Region**

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EMOTIONAL TRIGGER WARNING

This report discusses culturally unsafe experiences in health care, traumatic experiences and health and wellness topics that may trigger memories of personal experiences or the experiences of friends and family. While the report's intent is to create knowledge to begin addressing these negative experiences, the content may trigger difficult feelings or thoughts. First Nations and other Indigenous peoples who require emotional support can contact the 24-hour KUU-US Crisis Line at 1-800-588-8717.

Acknowledgments

We acknowledge that this report was developed and published in Coast Salish territories – **xʷməθkʷəy̓əm** (Musqueam), **Skwxwú7mesh** (Squamish), **səlilwətaʔ** (Tsleil-Waututh) – and data collection was possible with permission from Nations for First Nations Health Authority (FNHA) staff to conduct the survey in communities across British Columbia (BC).

Survey Participants

We thank the 122 First Nations communities in BC for granting permission for FNHA staff to conduct the survey and the 5,739 on-reserve First Nations individuals in BC who participated in Phase 3 of the First Nations Regional Health Survey (RHS). We acknowledge and thank the participating First Nations and regional team members for welcoming us to work in collaboration on their lands and working together on this journey to create meaningful health information for First Nations in BC. We acknowledge and thank those Health Directors and Community Engagement Coordinators who championed the RHS in their communities.

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Thanks to the many dedicated data collectors and field coordinators across the province.

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In Memoriam

Reginald Sam

The FNHA Wolf Clan would like to pause and acknowledge the work contributions by former RHS Field Supervisor Reginald (Reg) Sam. Caring and trustworthy, Reg created meaningful relationships throughout the province with BC First Nations and various health system partners. Reg is Nuu-chah-nulth from the Tseshaht Nation [čišaaʔath], and his traditional name is Chimaook, which translates to, “The one who cuts and distributes whale on the beach.” In honour of Reg’s footprints in the work, the FNHA offers continued wishes for health, healing and wellness to Reg’s loved ones.

Bernadette Joyce Jacob

The FNHA Wolf Clan would like to honour the work contributions of Bernadette Jacob, Field Coordinator and Data Collector in the Interior Region. Bernadette is from Ts’kw’aylaxw, St’at’imc Territory, and was raised for many years in Bonaparte. She cared deeply about her traditional values, youth-driven projects, and loved to hunt, fish and gather on the land. Known for being “like a ray of sunshine when she walked into the room,” she touched the lives of many. The FNHA extends wishes for continued healing to her family and loved ones, including parents, siblings, and nieces and nephews.



Letter from the FNHA Chief Medical Officer



First Nations communities across BC continue to improve in their health and well-being, and the 2015-2017 RHS reports provide concrete data to support these improvements.

This survey marks a milestone as the first RHS to incorporate a unique community engagement process that acknowledges self-determination as fundamental to health. The FNHA engaged the regions to determine what aspects of health and wellness to report on, and accordingly, to differentiate the findings regionally as well as provincially.

Communities have long asked that their health statistics be reflected back to them in meaningful ways. Part of the FNHA's commitment as a partner to First Nations is that communities should tell their own stories, that it is important for "us to report on us."

Data collection is sometimes thought of as mining: individuals are mined for information that is valuable, but those individuals may not see it again or benefit from it. With this in mind, we are committed to upholding the principles of OCAP® throughout the entire survey process, from engagement to how we share the data, ensuring that we are never simply "mining."

In order to transform the data collection system, the FNHA worked with communities to ask meaningful questions, which helped us gather meaningful data that can be shared back for planning. This community-delivered data gives concrete evidence about health and wellness topics that are relevant within each region.

At the same time, it is important to have variables that are comparable across the province. All five regions were clear about their need for data to better understand three provincial interest areas: mental health and wellness, traditional wellness, and primary health care services. As a public health physician, I am excited and hopeful about these three choices, as they reflect the themes I have come to recognize in my broader work across the province.

Another aim of the RHS was to focus on wellness indicators, not illness. Community members tell us that focusing on illness is a reductionist and negative colonial view of people's health, and is actually stigmatizing and insufficient. We should ask instead, what are the protective factors? What are the good things that we should be sharing with each other and celebrating?

The RHS shares stories about us and gives us a picture of where we are at. While some of the data tells us where we still need to improve, much of it represents the strength and resilience of our communities.

These reports are an example of what makes us unique within the BC health care system and beyond. Very few Indigenous jurisdictions in the world can gather, report on and control their data in this way, and we are honoured to be able to do this work.

As an organization, we raise our hands to everyone who worked hard to bring this RHS into being—communities, participants, data collectors, field staff and supervisors, and FNHA teams. Thank you for supporting us along this journey.

In Wellness,

Dr. Evan Adams
FNHA CMO

The Story Behind the RHS Reports

The acknowledgments section of this report gives thanks to all those who worked on Phase 3 of the RHS. Here, we shine a light on the dedicated RHS Data Collectors whose commitment to building relationships by going above and beyond brought the RHS to First Nations communities across BC in a good way.

Jessica Guss is from Old Massett, Haida Gwaii, and worked as a Field Supervisor during the implementation of the RHS, coordinating the work of RHS Data Collectors. In conversation, Jessica shared with us some of her experiences with communities.

One data collector sat with an Elder in his home, made him a meal and had tea, and the Elder gave him a feather. It didn't matter to us if a survey took an hour, like they say. It was really about respecting the people that were giving us information, and that was huge for us. – JESSICA GUSS

Jessica emphasized that building relationships with communities and individuals is essential when we ask First Nations in BC to trust us with their stories, and to trust us to take their stories to those who can use them for positive change. The RHS is indebted to the Data Collectors who travelled to communities across the province, worked long hours for weeks straight, and put their blood, sweat, and tears into bringing the voices of First Nations to this report.

This is what we have been asking for for so many centuries. And people who don't normally get included in having a voice, who feel that their voices don't matter, that they don't have opinions, that they have no impact—we gave them that [voice] and that's what drove us. – JESSICA GUSS

It was important to us that we demonstrated to RHS participants that we valued their time and knowledge—that we respected them, their cultures, and their communities. In every community RHS Data Collectors went to, a local Community Navigator was engaged to ensure that Data Collectors were aware of community protocols and that those protocols were respected at all times.

We made over 6,000 prayer tobacco ties and got little sacred coins, so if we were talking directly with an Elder we would have them on us. So we would give a tobacco tie or a sacred coin in exchange for the conversations, so things would still remain respectful on so many different levels. – JESSICA GUSS

Many First Nations cultures teach that knowledge is not given for free. In respect of that protocol, we offer this report as a first step in giving back to the communities and individuals who generously participated. We will continue to work to ensure that First Nations in BC benefit from sharing their stories with us.

Members of the RHS Team with FNHA
Chief Medical Officer Dr. Evan Adams,
May 2016.







SUMMARY OF INTEREST AREAS

Before writing this report, the First Nations Health Authority (FNHA) consulted with representatives from each region to identify their interests. This section summarizes key findings from the First Nations Regional Health Survey (RHS) that were identified as topics of interest by Interior Region (IR) representatives.

Representatives for the IR identified the following health and wellness areas as of interest within their communities:

- Traditional wellness;
- Mental health and wellness;
- Primary health care; and
- Elder care.

Traditional wellness, mental health and wellness and primary health care were identified as interests across the province. *Elder care* was identified as an additional interest by Interior health and Nation representatives for the IR based on engagement conducted for the RHS.

To honour the contributions of participating First Nations communities and individuals across BC, it is the hope of the RHS team that these findings are used to inform positive change at provincial, regional, Nation and community levels. To spark these discussions, this section also shares future directions for our shared journey to healthy, self-determining and vibrant BC First Nations children, families and communities.

Background

Since time immemorial the health and wellness of First Nations peoples has been rooted in their connection to the land and their communities. Time spent connecting to the land, providing for and enjoying traditional diets and ceremonial practices continue to form the foundations of physical, mental, spiritual and emotional well-being. Today, First Nations in BC are creating opportunities for positive change in support of their health and wellness. In October 2013, Health Canada officially transferred its services, programs, employees and resources to the FNHA. This is the first provincial health authority created *by* First Nations, *for* First Nations in Canada. The conditions that contribute to healthy, self-determining and vibrant First Nations in BC will require us to bring together the best of traditional wellness approaches and western health services.

The RHS captures a snapshot of the health and wellness of First Nations peoples living on reserves across Canada. The FNHA is responsible for implementing the RHS in BC and sharing the knowledge gathered through the survey with First Nations in BC and other stakeholders. Over 5,700 participants in 122 communities contributed to the BC RHS Phase 3 (2015-17).

The IR covers 25.7% of BC's land base [1] and is home to over 50 diverse communities. This report brings together the survey results from 1,742 individuals from 42 communities in the IR. Their responses reflect the voices and perspectives of First Nations peoples in this region who are living on-reserve across the lifespan. Findings are presented in this Summary of Priority Areas and across the report for three age groups, which are children (0-11 years), youth (12-17 years) and adults (18+ years). Where possible, information for younger adults (18-54 years) and older adults (55+ years) is shown separately.

The Creator has provided a rich, varied landscape in the beautiful Interior: with mountains, lakes, forests, wetlands, deserts and grasslands. Our land makes us strong and provides us with what we need to be well; our communities, cultures and traditions provide the guidance and grounding we need to plan. We are a strong people, working to reclaim our wellness as we look beyond western medicine.

Our Interior Region includes 54 First Nations communities organized into seven Nations: Däkelh Dené, Ktunaxa, Nlaka'pamux, Secwepemc, St'át'imc, Syilx and Tsilhqot'in. These Nations are comprised of bands that share a language group, have traditional ties, share common culture and beliefs and reside in their traditional territory. Each Nation is unique and independent.

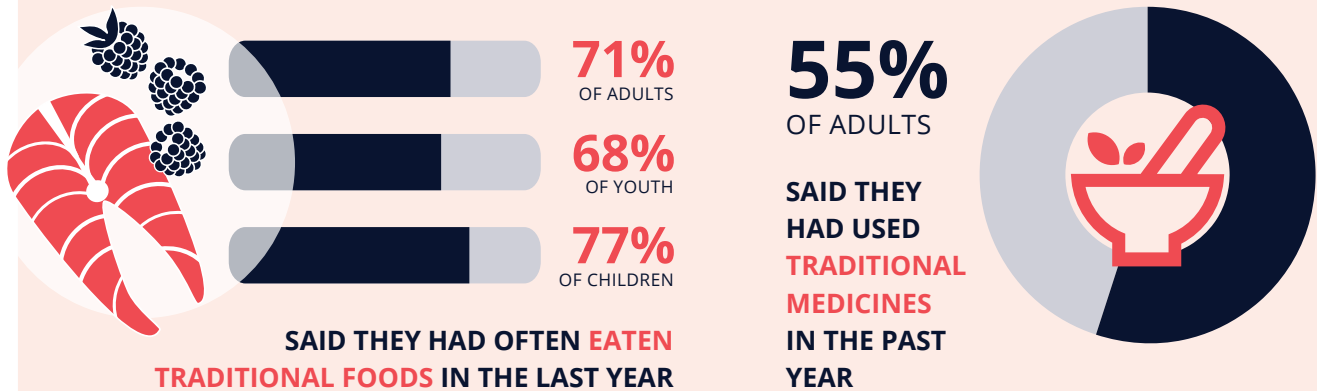
In 2012, the seven Interior Nations joined Interior Health to collaborate on improving Indigenous health outcomes by signing the Interior Partnership Accord. Ongoing partnerships are essential to advance our mission for "the betterment of the health, safety, survival, dignity and well-being of all of our peoples."

To enable wellness, we are bringing adequate resources and decision-making closer to home for improved, culturally relevant health services and more local control, which is guided by deeply rooted values, principles and traditions that are unique to each Nation.

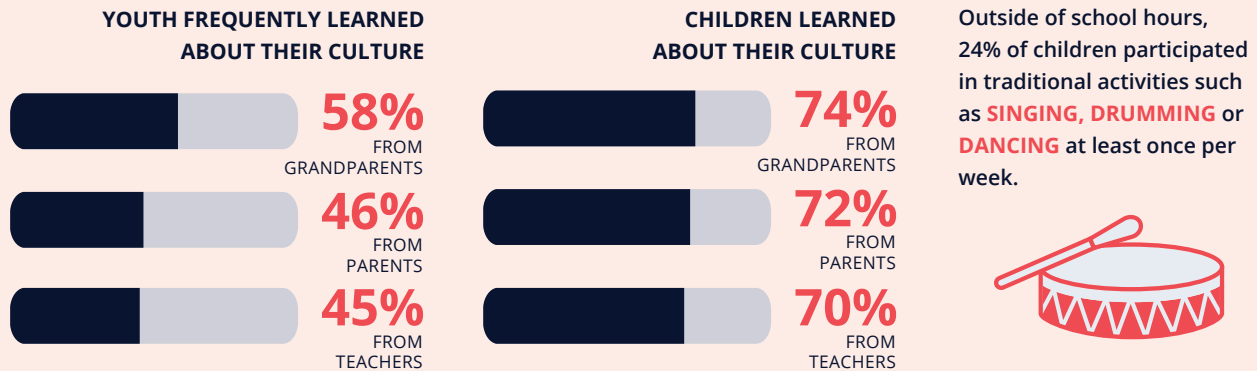
Interest Area 1: Traditional Wellness

First Nations individuals, families, communities and Nations in BC have been sustained by their connection to the land since time immemorial. First Nations' cultures and teachings express their shared connection to the land through their traditional languages, foods, art, activities and medicines. Although colonialism systematically disrupted these practices, First Nations cultures have endured and these cultures continue to form the foundation of First Nations peoples' health and wellness.

KEY FINDINGS



CULTURAL LEARNING AND ACTIVITIES



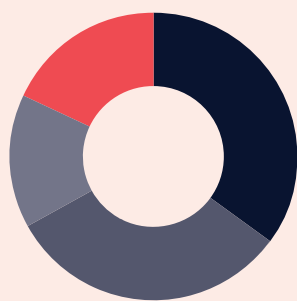
FUTURE DIRECTIONS

- Respect and promote a First Nations perspective on health and wellness that is grounded in cultural safety and humility and increased decision-making and control.
- Prioritize support for traditional healing and wellness practices that build on First Nations knowledge, beliefs, values, practices, medicines and models of health and wellness.
- Support and create opportunities for First Nations children, youth and their parents to learn their language(s), participate in traditional cultural activities and have sustainable access to traditional foods.
- Support and create opportunities for intergenerational culture and knowledge transmission between children, youth and Elders.
- Provide supports for a community-driven, Nation-based approach to health and wellness planning.

Interest Area 2: Mental Health and Wellness

First Nations in BC have identified mental health and wellness, rooted in community and family health and wellness, as a top priority. First Nations individuals, families, communities and Nations are on a journey to reclaim their mental health and wellness using traditional wellness practices to heal the traumatic impacts of colonialism, residential schools and the removal of children from their families and communities.

KEY FINDINGS



83%
OF ADULTS

SAID THEIR MENTAL HEALTH WAS
GENERALLY GOOD (35%),
VERY GOOD (32%)
OR EXCELLENT (15%)

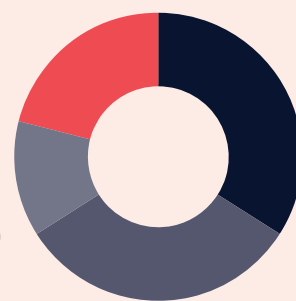
17% OF ADULTS SAID THEIR MENTAL
HEALTH WAS **FAIR OR POOR**



79%
OF YOUTH

SAID THEIR MENTAL HEALTH WAS
GOOD (34%),
VERY GOOD (32%)
OR EXCELLENT (13%)

21% OF YOUTH SAID THEIR MENTAL
HEALTH WAS **FAIR OR POOR**



.....SUICIDAL THOUGHTS AND ATTEMPTS.....

19% OF ADULTS REPORTED
ATTEMPTING SUICIDE

Overall, **28% of adults** said they had seriously contemplated **suicide** at some point in their lives. Fifty-five per cent of adults said they **sought help from a health professional**¹ after seriously considering suicide and 54% reported the same after a suicide attempt.

¹ This includes responses from individuals who reported turning to a family doctor, mental health professional, community health representative, nurse, social worker or crisis line worker for support.

11%* OF YOUTH SAID THEY
HAD ATTEMPTED SUICIDE

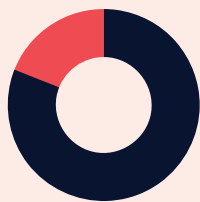
Half of those (50%*) who had attempted suicide said they **sought help from a health professional**¹ following their attempt.

* Interpret with caution due to moderate variability

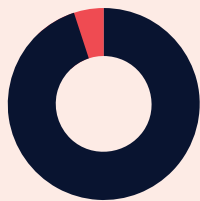
FUTURE DIRECTIONS

- Scale up rapid-access mental health and substance use services that are Nation-based, trauma-informed, wholistic and strengths-based. Include the best of western and traditional healing and wellness approaches and make sure services are equipped to meet the unique needs of all genders.
- Take action at all levels to address self-harm and suicide. This should include investing in supports to engage youth and males in mental health, scaling up services in rural and remote communities, building community capacity for crisis response and building cultural safety into emergency services.

BELONGING AND SOCIAL SUPPORT



81% OF ADULTS
FELT A STRONG SENSE
OF BELONGING IN THEIR
COMMUNITY



95%
OF ADULTS AND YOUTH
SAID THEY HAD SOMEONE TO DO
SOMETHING ENJOYABLE WITH
some or all of the time.



86%
OF ADULTS

90%
OF YOUTH

**SAID THEY HAD
SOMEONE TO CONFIDE
IN OR LISTEN TO THEM**
some or all the time.

Social Support Overall



51% OF ADULTS
HAD SPOKEN WITH A FAMILY
MEMBER AND 39% HAD SPOKEN
TO A FRIEND ABOUT THEIR
EMOTIONAL OR MENTAL HEALTH
SUPPORT IN THE PAST YEAR



48% OF YOUTH
HAD TALKED WITH A FRIEND
AND 24% TO A FAMILY MEMBER
ABOUT THEIR MENTAL HEALTH
IN THE LAST YEAR

However, *34% of adults and 37% of youth said they had not spoken to any one about their emotional or mental health* in the past year. Finally, 18% of youth and adults had **sought professional medical support** in the last year.

Social Support Among Males and Females

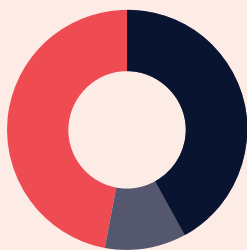
Approximately half of adult males (45%) said they had not reached out to anyone when asked where they sought support for emotional or mental health problems. This compares to 39% for adult females. Males were also less likely than females to reach out to family (61% and 41%, respectively) and friends (48% and 31%, respectively).

- Deliver Nation-based, peer-led education for health care providers and community members on cultural safety, mental health and wellness, stigma and trauma-informed practice to build health care provider and community capacity to provide effective support.
- Include the perspective of those who have lived experience coping with mental health and/or substance use concerns in all changes to policy and programming. Invest in community-based, peer-delivered mental health and substance use services, such as peer support, peer navigation or peer-led support groups.

Interest Area 3: Primary Health Care

Many First Nations people in BC access quality health care services during periods of illness. However, it is often challenging for First Nations to access appropriate health services for many reasons including geographic availability and experiences of discrimination in health care. Efforts to eliminate barriers, such as embedding cultural safety and humility into the health care system, are underway, but it will take time to see their impacts reflected in the health care experiences of First Nations in BC.

KEY FINDINGS



53% OF ADULTS
RATED THE QUALITY OF
HEALTH CARE SERVICES
IN THEIR COMMUNITY
AS GOOD (42%)
OR EXCELLENT (11%)

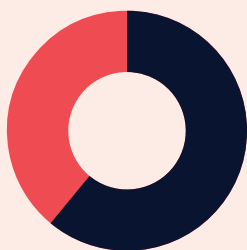


Females (20%) were more likely than males (9%) to rate the health services as poor.



73% OF ADULTS
RECEIVED HEALTH CARE
SERVICES IN THE PAST YEAR

Of those who required care, 18% felt they did not receive all the care they needed.



61% OF CHILDREN
SAID THEY RECEIVED HEALTH CARE
SERVICES IN THE PAST YEAR

Of those 6%* were reported to have not received all the care they needed.

* Interpret with caution due to moderate variability



BARRIERS TO CARE

ADULTS WHO RECEIVED HEALTH CARE IN THE PAST YEAR SAID THEY FACED A RANGE OF BARRIERS TO RECEIVING CARE. THE MOST COMMON WERE:

- **LACK OF ACCESS** including where services or health professionals were unavailable or inaccessible due to wait times (52%);
- **COST** including the cost of services not covered by insurance (49%) or enabling them to get care such as childcare or transportation (24%);
- **CULTURALLY INAPPROPRIATE CARE** (28%);
- **INADEQUATE HEALTH CARE** (26%); and
- **INABILITY TO ARRANGE TRANSPORTATION** (21%).

Children in the IR were reported to have experienced similar barriers as adults, at somewhat lower proportions.

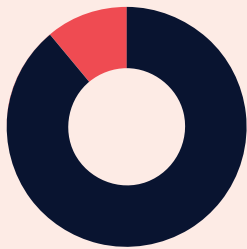
FUTURE DIRECTIONS

- Increase availability of mandatory and voluntary training opportunities for health professionals and trainees on First Nations histories, trauma-informed care and cultural safety and humility.
- Improve the availability of accessible, affordable, adequate and culturally appropriate health care for First Nations communities across BC.
- Work with partners to ensure that Jordan's Principle² is implemented to address the unique health, social and education needs of all First Nations children and youth in BC.
- Identify and fill critical gaps in primary health care with wholistic service delivery models that are appropriate for First Nations communities, such as the Primary Care ++ model that includes oral health and traditional wellness supports.

² Jordan's Principle states that First Nations children and youth between the ages of 0 and 19 must receive the public care and services they need when they are needed and that any disputes between different levels of government or government agencies about who should pay for care be resolved later [2].

Interest Area 4: Elder Care

The IR identified Elder Care as a priority. Elders are knowledge keepers who share traditional and cultural knowledge and they are central pillars for the wellness, strength and resilience of First Nation communities. Together, supportive environments, opportunities to participate in the community and appropriate services create stronger livelihoods for Elders and enable them to provide guidance for generations to come. In 2017, the FNHA announced a \$3 million investment targeting First Nations Elders access to health services in partnership with Interior Health. The need for this investment was identified by the seven collaborating First Nations in the IR.



89%
OF ADULTS 55+
**REPORTED A
HIGH SENSE OF
BELONGING
IN THEIR
COMMUNITIES**

Older adults also convey traditional knowledge to younger generations.



58%
OF YOUTH
AND
73%
OF CHILDREN

**REPORTED LEARNING
ABOUT THEIR CULTURE
FROM GRANDPARENTS**

67%

OF ADULTS 55+
**FELT EMOTIONALLY,
MENTALLY AND
SPIRITUALLY BALANCED
MOST OR ALL THE TIME**

Compared to 47% of younger adults aged 18 to 54. Older adults also sought support for their mental and emotional help less frequently than younger adults from family (43% and 54%, respectively) and friends (28% and 45%, respectively).

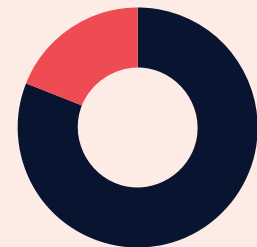
During the past year, older adults **were less likely** than younger adults **to smoke** (43% and 27%, respectively) **or have been injured** (18% and 30%, respectively).



81%

OF OLDER ADULTS
**SOUGHT HEALTH CARE
IN THE PAST YEAR**

Compared to 68% of younger adults. *Of those older adults who sought care, 15% reported that they did not get all the care they needed.*



FUTURE DIRECTIONS

- Promote Elder wellness and increase supports and services enabling Elders to remain at home or close to home.
- Incorporate the First Nations Perspective on Health and Wellness into programs and services promoting health and wellness throughout the life cycle – including Elders.
- Identify and develop opportunities for increased participation and leadership of Elders in community health and wellness.
- Prevent and reduce illnesses and diseases associated with substance use through harm reduction measures.



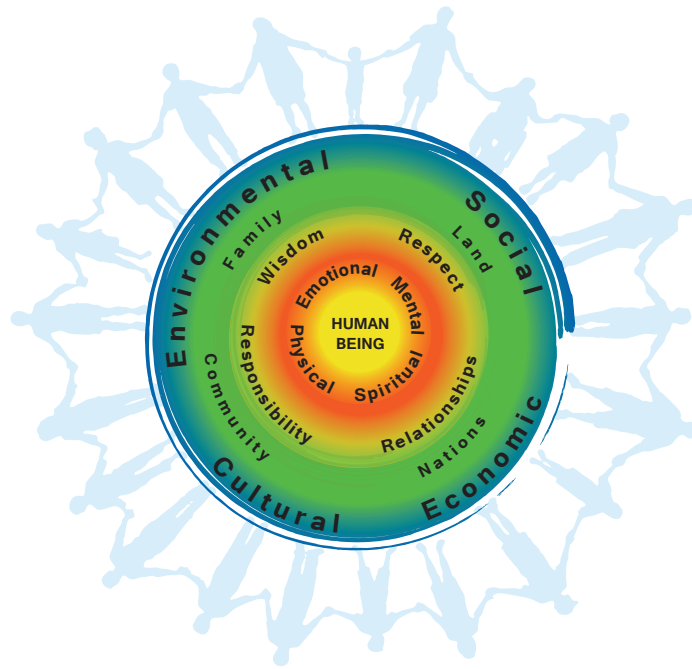


INTRODUCTION

Since time immemorial the health and wellness of First Nations peoples has been rooted in their connection to the land and their communities. First Nations individuals, families and communities draw on the physical, mental, spiritual and emotional aspects of their cultures to sustain wellness. Across BC there are 203 First Nations communities speaking 32 different languages [3]. While there are common threads between these Nations, First Nations across BC are diverse with unique cultures, languages, traditions and histories. Today, First Nations in BC are creating opportunities for positive change in support of their health and wellness. Achieving our shared vision of healthy, self-determining and vibrant communities will require the FNHA and First Nations in BC to work to bring together the best of traditional wellness approaches and western health services.

FIGURE 1

First Nations
Perspective on Health
and Wellness [5]



First Nations Perspective on Health and Wellness

The First Nations Perspective on Health and Wellness is holistic and includes the physical, mental, spiritual and emotional aspects of well-being, as seen in Figure 1 [4-6]. Wellness goes beyond the individual to include the family, extended family, community and Nation [4]. A healthy, well and balanced life includes living in harmony with all of creation, including all living things and the spirit world [4]. Sustaining these relationships has formed the foundation of First Nations wellness for thousands of years [5].

Interior Region Caucus.

*Cultural wellness
is a crucial aspect of the
First Nations Perspective
on Health and Wellness.*



**FIGURE 2**

Social determinants of First Nations health. Figure adapted from First Nations Health Council [9]

Everything is Connected: Social Determinants of First Nations Health

The health of a person is interconnected with all of their surroundings. Biology, environment, income and education, connections to culture and community and individual choices play a part in the wellness of First Nations people [7, 8]. This report describes some conditions that promote health and wellness among First Nations in BC and others that pose a risk to health and wellness as challenges or barriers. These natural, social, political and economic factors are called the social determinants of health (Figure 2). You can read more about the social determinants of health in "Health Determinants" on page <?>.

Self-Determination and Health

All First Nations peoples have the right to control their lives and destinies and self-determination is vital to the health and wellness of First Nations peoples [4, 6]. Strengthening self-determination can help address the root causes of the health inequalities experienced by First Nations peoples in BC. Since the last RHS report was published in 2012, First Nations across the country have continued to assert their pre-existing rights to land, culture and self-determination with political action, activism and legal action. In 2015, the Truth and Reconciliation Commission of Canada released its report on the impacts of residential schools, including 94 calls to action [16]. Governments and health services organizations across the country have committed to pursuing action with these 94 calls. The current federal and provincial governments have taken steps to renew

Nation-to-Nation relationships with Indigenous peoples by supporting Bill C-262 to implement the United Nations *Declaration on the Rights of Indigenous People* in Canadian law [10]³.

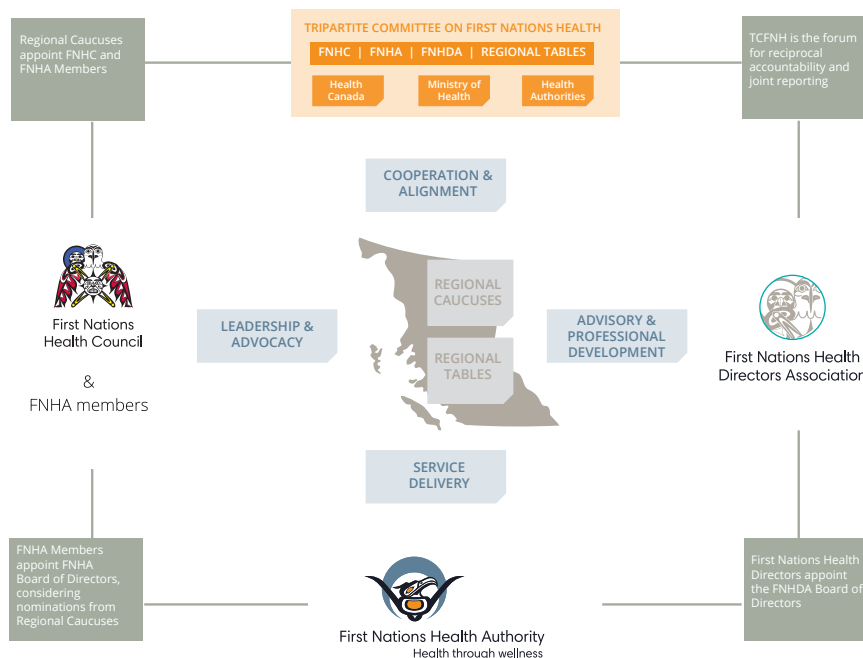
In October 2013, First Nations in BC took a major step to increase their decision-making and control over their health and wellness when Health Canada officially transferred its services, programs, employees and resources to the FNHA. This is the first provincial health authority created *by* First Nations, *for* First Nations in Canada [11]. Leaders of First Nations in BC came together to create the FNHA, voting for greater control over their own health care. This was a key milestone in the 10-year Tripartite First Nations Health Plan signed in 2007 by First Nations in BC, the Province of BC and the federal government [12].

Four groups came together to form the First Nations Health Governance Structure (Figure 3). The **FNHA** is responsible for the planning, management, service delivery and funding of health programs. The **First Nations Health Council (FNHC)** is the political arm that advocates for First Nations health and wellness priorities, supports health systems transformation and builds partnerships. The **First Nations Health Directors Association** is composed of health directors and managers working in First Nations communities and it provides technical advisory support and capacity development. Finally, the **Tripartite Committee on First Nations Health** brings together the FNHA, BC regional and provincial health authorities and BC Ministry of Health and Health Canada partners. Each group is joined by a shared vision of “*healthy, self-determining and vibrant, BC First Nations children, families and communities.*”

3 At the time of writing, Bill C-262 was being debated at a second reading in the Senate. If passed at this reading, the bill will go to a committee to be reviewed and possibly amended and then adopted.

FIGURE 3

First Nations health governance structure





Truth and Reconciliation Commission walk to honour residential school survivors in Vancouver, June 11, 2015 | REUTERS/Ben Nelms.

Impact of Colonialism and Discrimination

First Nations peoples in BC continue to experience health inequities and gaps in health services compared to other BC residents. These differences are rooted in the ongoing impacts of colonialism that disrupted First Nations ways of life [13]. Imposition of foreign laws – including the *Indian Act* – took away First Nations land, rights and freedoms [14]. The well-being of First Nations was further eroded as children were removed from families and communities into the residential school system and into the child welfare system during the Sixties Scoop [15-18]. Communities and families continue to experience the collective burden of these harms and disconnections, including overrepresentation in BC's child welfare and health care systems [17-19].

Communities and families continue to experience the collective burden of the harms and disconnections resulting from colonialism.

Ongoing racism and discrimination are harmful to the health and well-being of First Nations in BC. Racism and discrimination can be both interpersonal (person-to-person) and systemic (policies and institutions) [20]. Discrimination prevents people from accessing the resources that are important to healthy living, including education, employment and health care. Some First Nations individuals may avoid seeking health services because they have experienced and expect to receive unfair treatment and discrimination. Painful memories of residential schools and Indian hospitals also contribute to a lack of trust and may cause people to delay seeking care [21, 22]. Today, far too many First Nations peoples experience culturally unsafe treatment when visiting a mainstream health provider [23-25].

Ongoing effects of colonialism and discrimination can contribute to mental and physical stress [4, 26]. Many First Nations in BC continue to feel the impacts of intergenerational and lifetime trauma [27-29]. Socio-economic inequality resulting from discrimination – such as poverty, food insecurity and housing insecurity – contributes to stress. Chronic stress impacts physical, mental, spiritual and emotional health and well-being [6, 7, 26]. The body's response to stress can prevent the immune system from protecting against disease and can contribute to chronic illness [30, 31]. Stress can also affect an individual's health by making them more likely to rely on coping mechanisms such as smoking, substance use and a sedentary lifestyle [31]. Strong social supports and cultural connection can minimize the impact of stress and enable people to be more resilient during stressful periods [32].

Despite the adversities they have faced, First Nations peoples are strong and resilient. Traditional territories, teachings and wellness practices continue to sustain individuals, families and communities. Hope and optimism for the future contribute to mental well-being and good physical health [31]. Throughout First Nations in BC, hope and optimism are strengthened by all those who are working hard to transform First Nations health, including families, communities and Nations.

First Nations Regional Health Survey: Background

The RHS is a unique national survey that increases the decision-making and control of First Nations peoples to collect, control and share their own health information. In the past, reliable information on the health and wellness of First Nations people was severely lacking, as on-reserve populations were excluded from major national health surveys [33]. The 2016 census estimated that approximately 30% of the 172,520 First Nations individuals living in BC lived on-reserve [34].

The RHS began as a way to fill this gap and it captures the self-reported health and wellness status of on-reserve First Nations peoples in BC. This survey provides information to inform programs and policies that target the health and wellness needs reported by First Nations living on-reserve.

The RHS is a national survey led by the First Nations Information Governance Centre (FNIGC), a First Nations organization promoting First Nations information needs. The FNHA is responsible for coordinating the administration, management and reporting of the survey in BC. An important foundation of the RHS is respect for the principles of Ownership, Control, Access and Possession of data (OCAP®). OCAP® principles outline that First Nations must have control over how data is collected within their communities and that they own and control how this information can be used. The Code of Research Ethics for the RHS was approved by the First Nations Information Governance Committee [35].

The FNHA and FNIGC are the data stewards for the First Nations participating in this phase of the RHS. These two organizations are responsible for holding and facilitating access to the data on behalf of First Nations. The RHS data will be used according to agreements with participating First Nations and First Nations individuals to further empower First Nations communities.

The FNHA values the information gathered by the RHS and has invested significantly in additional surveys implemented throughout BC. This process has enabled better estimates and allowed for accurate regional reporting. To complete the RHS, individual members of participating communities were invited to take part in the survey according to a carefully designed study methodology (see Appendix A for more details on the methods). Participants completed the RHS in their communities at a site of their choosing (e.g., band office, health centre, home) and could receive assistance from a survey administrator hired from local communities. The RHS has been completed nationally three times: Phase 1 in 2002-03, Phase 2 in 2008-10 and Phase 3 in 2015-17.

RHS Phase 3 includes a Provincial Report,⁴ which represents all First Nations in BC. Separate reports have been published for each BC health region, namely the IR, Fraser Salish Region (FSR), Northern Region (NR), Vancouver Coastal Region (VCR) and Vancouver Island Region (VIR). For the purposes of this survey, the administrative boundaries of the health authorities across BC were used to define the regions. This is also how the FNHA defines the regional boundaries across the province for service delivery and programming [1]. Some communities may access health services in the region and may not be located within the geographic area of the region but, overall, these reports speak to the health and wellness of each region.

This report includes results for the IR from Phase 3. Individuals who participated in Phase 1 or 2 had the same chance of being selected to participate in RHS Phase 3 as individuals who had not previously participated.

4 <http://www.fnha.ca/what-we-do/research-knowledge-exchange-and-evaluation/regional-health-survey>

ABOUT THE BC FIRST NATIONS REGIONAL HEALTH SURVEY

WHAT TO KEEP IN MIND AS YOU READ THIS REPORT

- Results apply to First Nations peoples living on their home reserve in BC.
- Comparisons are sometimes made between results from the current RHS and other reports or research. RHS results may not be directly comparable to other reports and studies because of different methods and ways of measuring results. These comparisons are meant to provide additional context for interpreting results from the RHS.
- Children, youth and adults completed different surveys. Age groups are listed in Table 1. A parent or caregiver was asked to respond on behalf of children aged 0-11. Youth between the ages of 12 and 17 responded to their own surveys with parental permission. Because the surveys for each age group were different, some statistics are available for all age groups and others are only available for one or two age groups.
- Some statistics are reported as "Interpret with caution due to moderate variability" (*). This means that although we can report these indicators, we are less confident in these results than other results from the RHS since a smaller number of participants responded to the question. In other cases, this statement tells you that some data is not reportable, as response rates were too low (denoted by E) or the estimate was unreliable due to high variability (denoted by **).
- Some priority areas are compared across the three RHS phases. In some cases, there have been significant changes between RHS phases (which we know from statistical testing). In other cases, although the changes over time may not be statistically significant, it is up to the reader to decide if these changes might be practically important. Results for these changes are summarized in each box.

TABLE 1

Age groups

| | |
|----------------|-------------|
| Children | 0-11 years |
| Youth | 12-17 years |
| Adults | 18+ years |
| Younger adults | 18-54 years |
| Older adults | 55+ years |

INTERPRETING THE FINDINGS

- The RHS uses a randomly selected sample of survey participants to represent all First Nations people living on-reserve in BC. This allows the results to be generalized to the whole population.
- Percentages are presented for each question, representing the best possible estimates for First Nations peoples living on-reserve in BC.
- A 95% confidence interval is also presented with each estimate on the figures in this report. The range indicated by the confidence interval indicates the range that the true population value would fall within, with a 95% certainty. When we compare two groups, such as males and females, only if the confidence intervals do not overlap (include the same numbers), can we be sure that these groups are different. Appendix B presents the 95% confidence intervals for all reported estimates.
- See Appendix A for more details on the methods used in this survey.

THE PURPOSE OF THIS RHS REPORT IS TO:

- Return regional and provincial-level health and wellness information to First Nations in BC.
- Inform on-reserve First Nations prioritization, planning, evaluation, investment and transformation at the community, Nation, regional and provincial levels in BC.
- Enable evidence-based decision-making in health and wellness planning and policy.
- Produce a wholistic snapshot of on-reserve First Nations health in BC.
- Provide additional information for the FNHA's external health and wellness partners to inform collaborative planning.

The next sections of this report share the results of the BC RHS Phase 3 (2015-17) for the IR, focusing on demographics, health determinants, health status and outcomes and primary health care access and use.



DEMOGRAPHICS

In total, 5,739 on-reserve First Nations people in 122 communities across BC participated in the 2015-17 RHS. This included 3,026 adults, 1,198 youth and 1,515 children.

To put this in context, at the time of the 2016 census, 172,520 individuals living in BC identified themselves as First Nations people [34]. Of these, 135,835 were First Nations with Status and 82,913 lived on a reserve [34, 35]. There are 200 First Nations communities in BC.

The number of people who participated in the 2015-2017 survey was double that of the 2008-2010 survey, which had 2,476 participants [36].



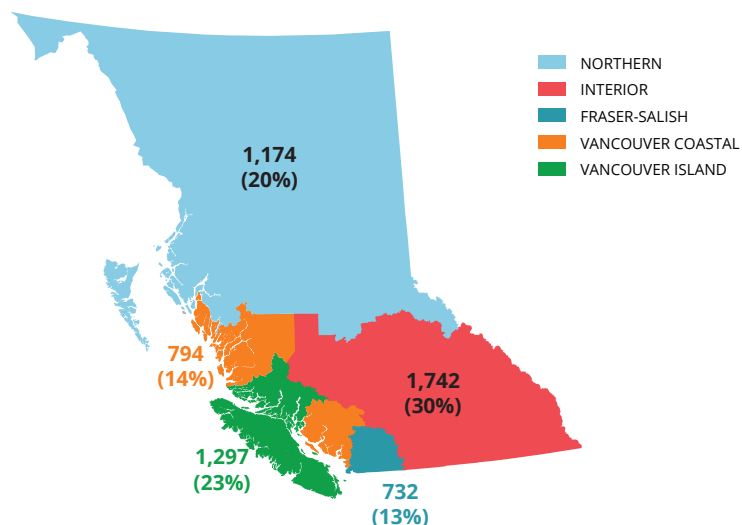
Delegates at Interior Region Caucus.

Regional Sampling and Response Rate

Fifty-two First Nations communities were eligible to be included in the survey in the Interior Region (IR). All communities were sampled, resulting in a 100% sampling ratio. First Nations individuals who lived on the reserve where they were registered as a band member were eligible to participate in the survey.

Of the 52 communities asked to participate, 42 agreed to participate (an 83% community response rate). There is not enough information to determine the individual response rate (the percentage of people approached who agreed to participate in the RHS). See Appendix A for more information on the methods used in RHS Phase 3 in BC.

FIGURE 4
Number and
percentage of survey
participants by region



Interior Region Participation

In the IR, 1,742 First Nations people from 42 communities participated in the survey. This included 946 adults, 323 youth and 473 children. Participants across the IR represent 30% of the total RHS participants (Figure 4).

Survey Participation by Age

The survey was completed by adults, youth and the parents and caregivers of children. In the IR, there was approximately equal representation among the following groups: adults 55 and older, adults 18 to 54, youth 12 to 18 and children 0 to 11 years (Figure 5). The average age of all IR survey participants was 33.

Regional Representation by Age

Participants represent a proportion of their age group across the region. When compared to the overall population across each age group in the IR, participation in the RHS was as follows: 29% of children aged 0 to 11 in the region, 33% of youth aged 12 to 17 in the region, 9% of adults aged 18 to 54 in the region and 19% of adults aged 55 and older in the region.

Survey Participation by Gender

In the IR, 52% of both adult and youth participants were male and 48% were female. Among children, 53% were male and 47% female.⁵

These numbers reflect the participants' answers to the question "are you male or female?" This question did not differentiate between sex and gender, where sex is biologically determined and gender refers to how an individual self-identifies. As a result, throughout this report, the terms "male" and "female" refer to self-identified gender.

The survey did not ask participants to identify their gender beyond the binary of male or female. We acknowledge that this question did not include the multitude of gender identities that exist, which is a limitation of this survey.

⁵ Gender is discussed in more detail in "Gender Identity" on page 46.

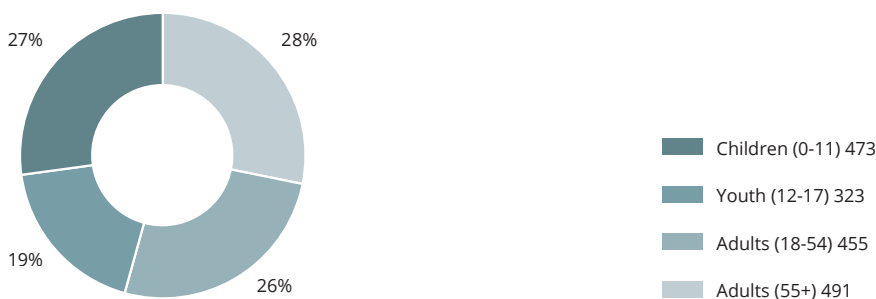


FIGURE 5
Number and
percentage of survey
participants by age
group



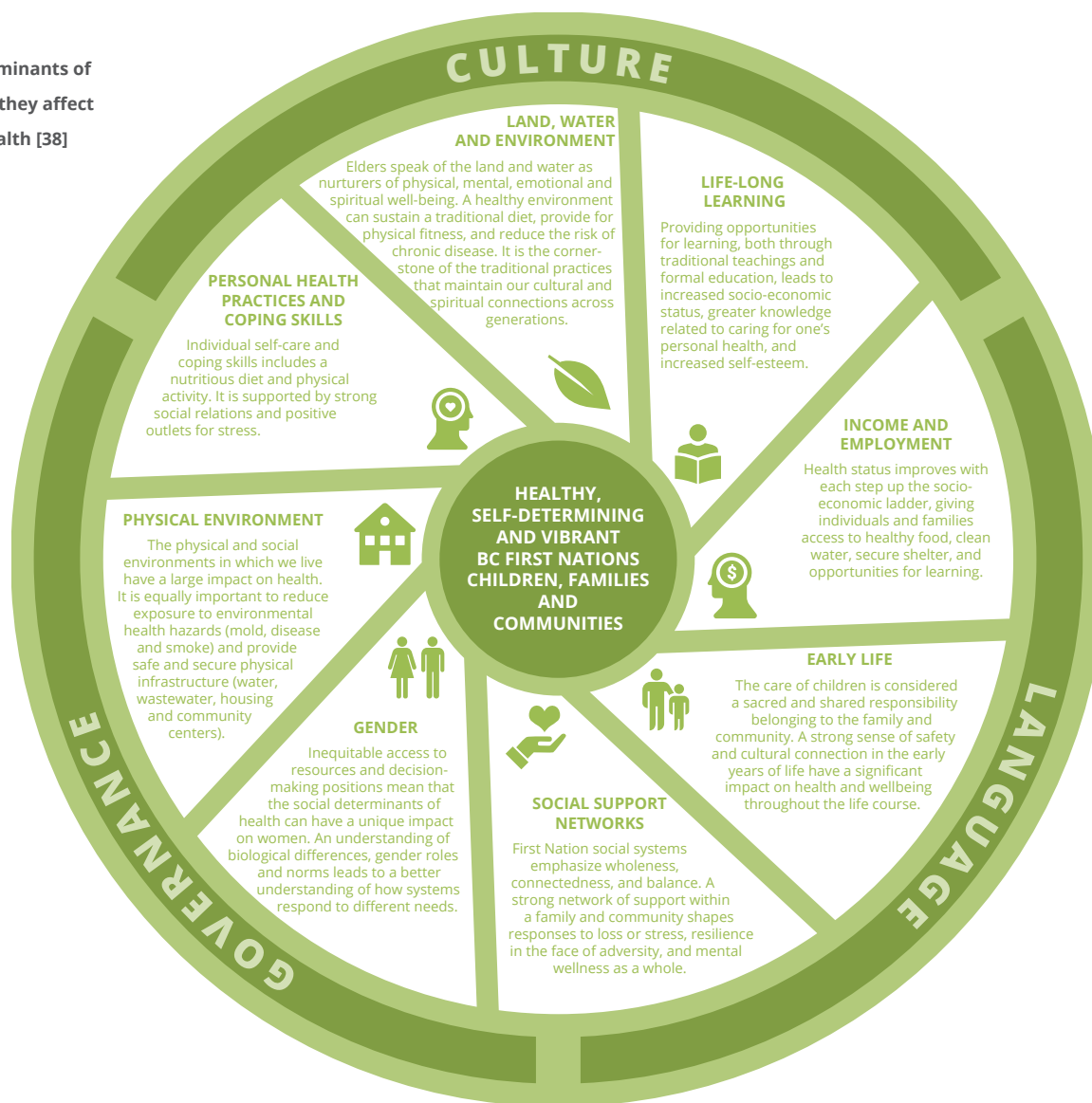
HEALTH DETERMINANTS

Health has both biological and social components. Research suggests that biology (meaning genes) accounts for just 15% of overall health [7, 8]. Life circumstances – the social and economic environments in which people are born, live, play, work and go to school – play a much larger role in determining health [7, 8]. These are often known as the “social determinants of health.” They provide a strong foundation for the health and wellness of First Nations people in BC and include:

- Governance;
- Culture and language;
- Land, water and environment;
- Lifelong learning;
- Income and employment;
- Early life;
- Social support networks;
- Gender;
- Physical environment; and
- Personal health practices and coping skills.

FIGURE 6

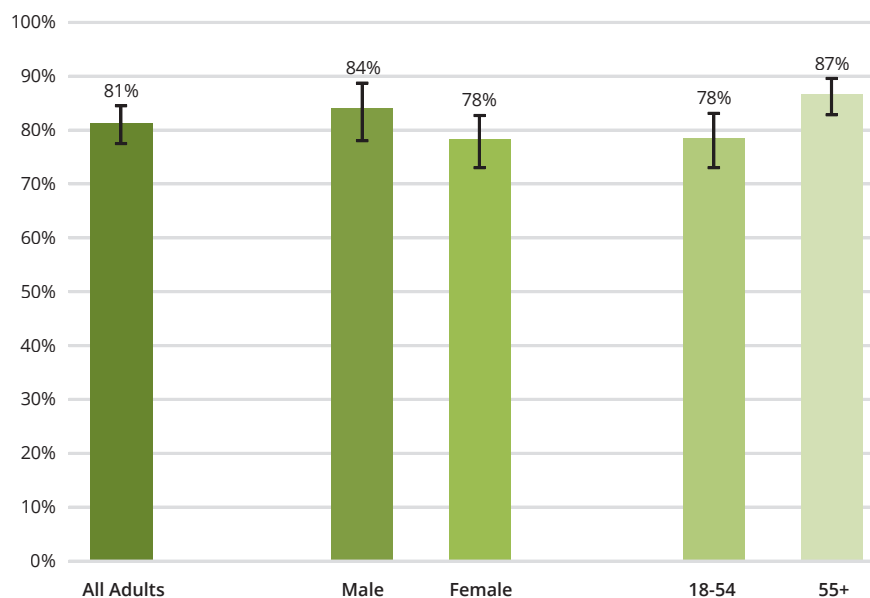
The social determinants of health and how they affect First Nations health [38]



Although housing, employment, income and education are not included in Figure 6, inequalities in society cause the health and wellness of First Nations to be negatively impacted by these factors more often than other groups [6]. The following section talks about important health determinants.

Community Wellness

Wellness includes relationships and interconnectedness with others. Community strength and connection are rooted in cultural traditions, including laws and governance, languages, ceremonies and arts [4]. A sense of belonging and cultural identity are key to health and well-being [4, 39-41].

**FIGURE 7**

Percentage of adults reporting a strong sense of belonging in their community

Adults – Most adults in the IR (81%) described a strong sense of belonging in their community. Figure 7 shows these proportions by age group and males and females.

This result suggests First Nations communities in the IR foster a strong sense of community belonging. The 2012 Canadian Community Health Survey reported that among all residents in the Interior Health Authority, 72% of individuals 12 years and older reported a sense of belonging to their local community [42].

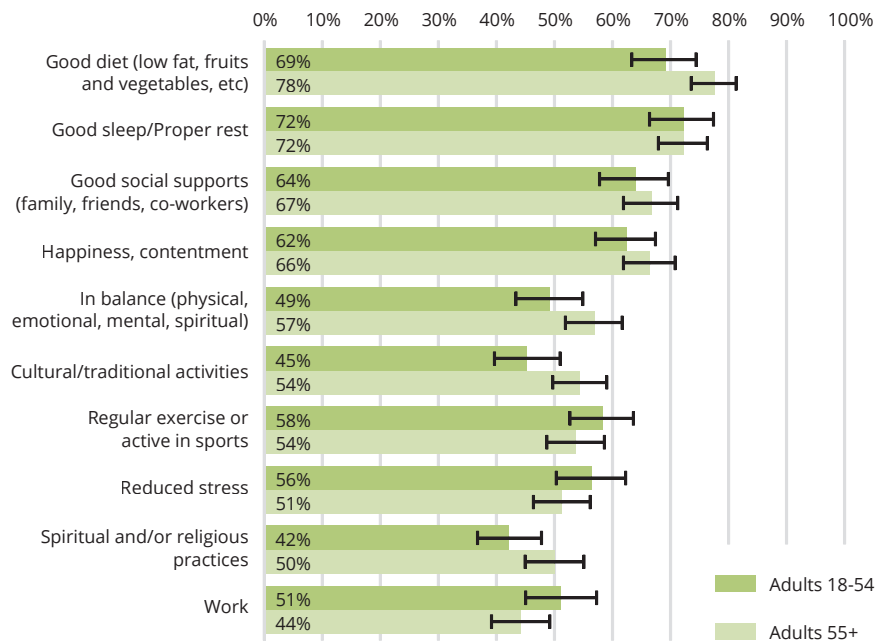
What Makes You Healthy?

Adults – Adults in the IR were asked “What things help make you healthy?” Among all adults, over half identified at least one of good diet (72%), proper sleep (72%), good social supports (65%), contentment (64%), regular exercise (57%) or reduced stress (55%). Answers for both adult age groups are shown in Figure 8. In addition, 57% of males identified work as being key to their health compared to 41% of females.

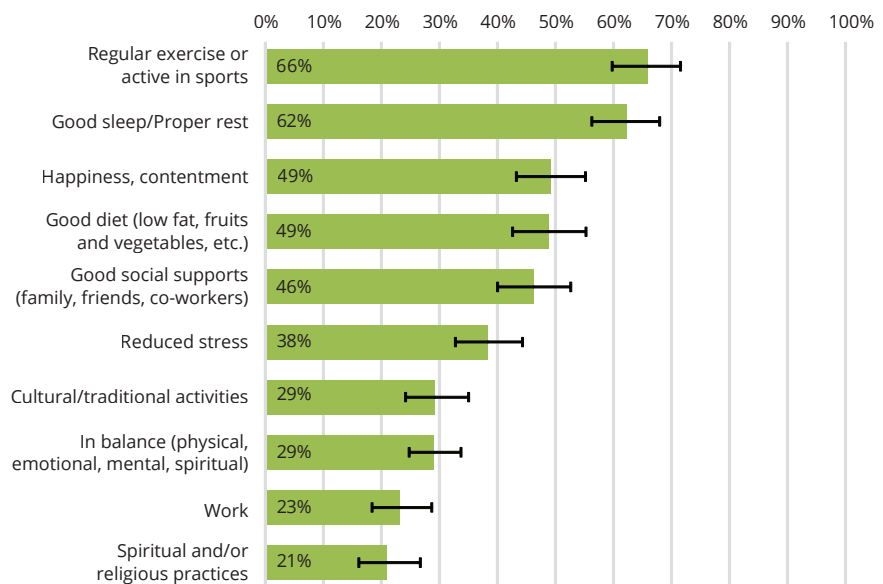
Youth – Youth said that regular exercise (66%) and good sleep (62%) were important to their health (Figure 9). More females (38%) than males (20%) said that being in balance (physically, emotionally, mentally and spiritually) makes them healthy.

FIGURE 8

Things that adults identified as helping to make them healthy by age group

**FIGURE 9**

Things that youth identified as helping to make them healthy



Traditional Wellness

First Nations individuals, families, communities and Nations in BC have been sustained by their connection to the land since time immemorial. First Nations' cultures and teachings express their shared connection to the land through their traditional languages, foods, art, activities and medicines. Land-based activities create wellness by connecting First Nations to nature, enhancing community connection and creating opportunities for language and traditional skills to be shared, used and practiced. Traditional wellness is holistic and encompasses traditional medicines, practices, approaches and knowledge unique to each First Nation [43]. Cultural activities – like singing, drumming or dancing – and sharing traditional teachings benefit body and spirit while strengthening community and cultural connections. Although colonialism systematically disrupted these practices, First Nations cultures continue to form the foundation of First Nations peoples' health and wellness.

On the FNHA journey with First Nations in BC to improve services, one of the strategic approaches is to protect, incorporate and promote First Nations holistic models of health and wellness into health services. The *Traditional Wellness Strategic Framework*, developed through extensive consultation with traditional healers and First Nations, describes strategies and recommendations to promote and strengthen the role of traditional medicines and practices in the holistic wellness of First Nations peoples in BC [43].

Cultural Activities and Learning

Children and youth represent the future. Opportunities for them to gain knowledge about their cultural identity are vital to their wellness and the strength and continuity of their communities' and Nations' cultures [44, 45]. Young Aboriginal⁶ people in BC who engage in weekly cultural activities are more likely to feel connected in their community and at school [46].

Youth and children – Outside of school hours, about a quarter (24%) of children in the IR participated in traditional activities, such as singing, drumming or dancing, at least once a week. Nearly four in 10 (38%) said they had not taken part in traditional activities outside school. Data for youth participation in traditional activities outside of school hours was not available in the IR (Figure 10). Children and youth were not asked to describe their participation in traditional activities during school hours.

⁶ The term Aboriginal was used for the BC Adolescent Health Survey and the associated report Raven's Children IV. This survey of students in BC asked participants to self-identify as Aboriginal and did not distinguish between First Nations, Métis, or Inuit. Throughout this report, the term Aboriginal is used when associated with this reference.

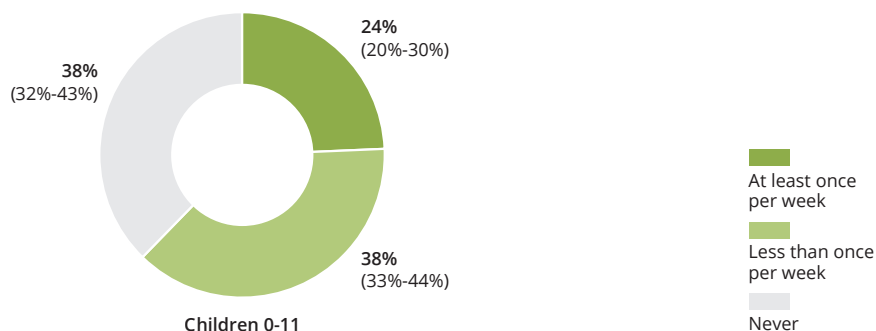
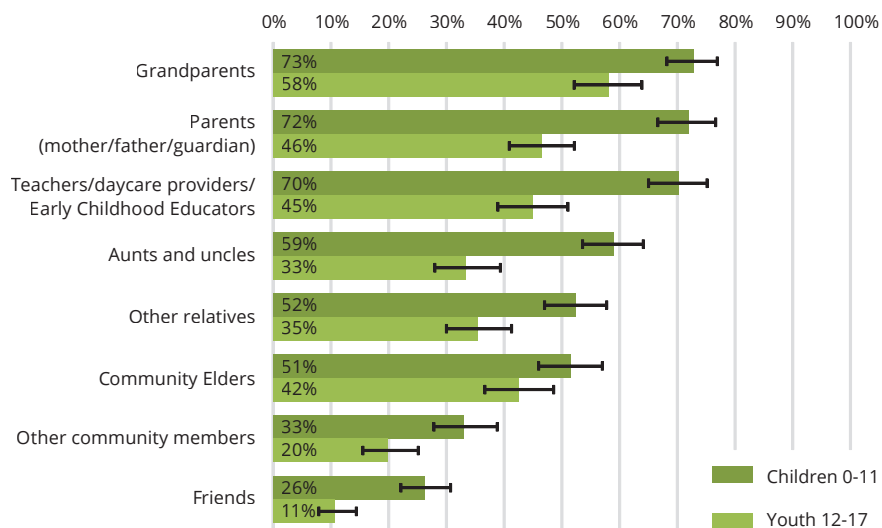


FIGURE 10

How often children participated in traditional activities outside of school hours

FIGURE 11

**Individuals identified
as helping children
and youth understand
their culture**



Children in the IR learned about their cultures mainly from their grandparents (73%), parents (72%), teachers/daycare (70%) and aunts and uncles (59%). For youth, grandparents were the most common source (58%) of cultural learning. In addition, more than four out of 10 youth said their parents (47%), school teachers (45%) or community elders (43%) are important sources of cultural learning and approximately one-third said they learned about their culture from other relatives (35%) or aunts and uncles (33%). Figure 11 shows responses for children and youth.



2016 Elders Gathering, Williams Lake.

Traditional Languages

BC is home to 34 unique First Nations languages, accounting for 60% of First Nations languages across Canada [47]. Language is a fundamental part of identity, as traditional languages include the vocabulary needed to articulate cultural values and world views [4, 48]. Traditional languages were sought to be eliminated at residential schools, but First Nations language champions are hard at work to reclaim their voices [15, 18, 47].

All ages – Traditional language speakers are aging. In the IR, 15% of adults can understand and speak a First Nations language at an intermediate or fluent level. A smaller percentage of youth (10%⁷) and children (5%⁸) said they can understand and speak a First Nations language at an intermediate or fluent level.

The low percentage of younger generations fluent in traditional languages is a cause for concern for maintaining First Nations culture and risk of language and knowledge system loss. Across the province, there are ongoing initiatives in pre-schools and schools for First Nations children and youth to become more immersed in their traditional languages [47]. For example, Aboriginal Head Start On-Reserve (AHSOR) programs include a language and culture component, giving First Nations children the opportunity to begin to learn their traditional languages [49].

7 * Interpret with caution due to moderate variability.

8 * Interpret with caution due to moderate variability.



First Nations territories are rich with traditional foods.

Traditional Foods

First Nations territories, which cover every inch of what is now BC, are rich with traditional foods. Gathering, sharing, preparing and eating nutritious traditional foods are important to mind, body and spirit. These activities nurture and restore a connection to the land and promote self-reliance [50]. Traditional foods are an important aspect of health and wellness, as they nourish the body, provide medicinal benefits and are of fundamental importance to First Nations culture [5, 50, 51].

The FNHA has created a fact sheet on traditional foods that reviews some of the traditional foods harvested and eaten by First Nations in BC. The resource describes the nutritional benefits of these foods and offers some tips for preparing and sharing these culturally significant delicacies [51].

The RHS survey asked people about their consumption of traditional foods, including animals and plants from lands and waters.⁹ Bannock was not included in the analysis [52].¹⁰

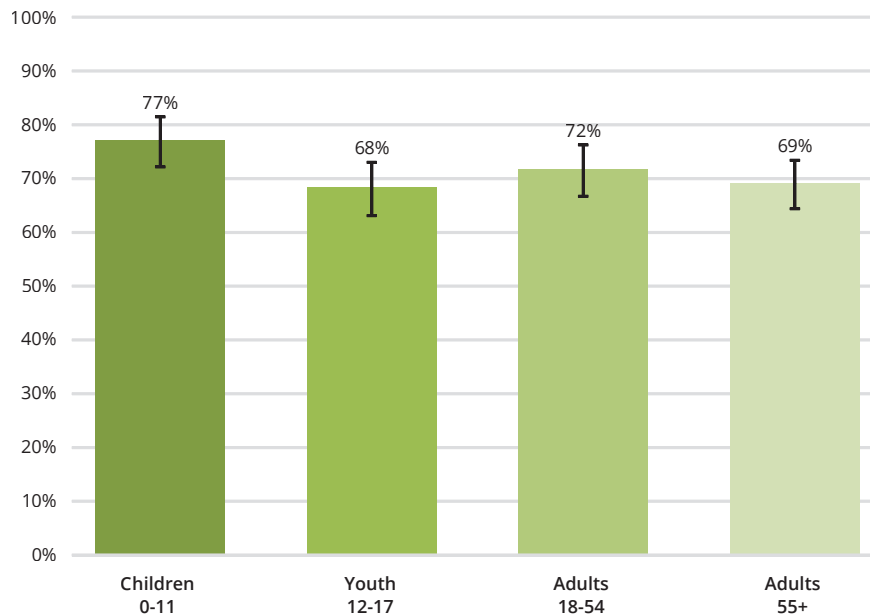
Adults – In the last year, one in seven adults (71%) in the IR said they had often eaten traditional food. See Figure 12 for responses by adult age groups. Among traditional foods eaten in the past year, adults in the IR most frequently ate land-based animals (51%), berries and other vegetation (42%), freshwater fish (38%) and broth from meat, fish or vegetables (35%).

Youth – Over two-thirds of youth (68%) said they had often eaten traditional foods in the past year (Figure 12). Youth most commonly said they had eaten land-based animals (50%) berries and other vegetation (34%), broth from meat, fish or vegetables (32%) and freshwater fish (29%). Eating traditional foods has been linked with positive mental health and community connection among Aboriginal youth in BC [46].

Children – Over three-quarters of children (77%) in the IR said they had eaten traditional foods often in the past year (Figure 12). This included land-based animals (57%) berries and other vegetation (51%), freshwater fish (39%) and broth from meat, fish or vegetables (37%).

⁹ Participants were also able to select N/A, where the food was not a local traditional food. This is especially important for wild rice and corn soup.

¹⁰ While bannock is an important cultural treat for many BC First Nations, it was first introduced by colonizers and it has changed over centuries from being cooked with camas and corn flour to often being fried using wheat flour. This analysis highlights the use of other traditional foods.

**FIGURE 12**

Percentage of participants who ate at least one traditional food often in the past year by age group

Harvesting

All ages – As well as being a healthy source of nutrition, hunting, gathering and fishing are important cultural skills and an opportunity for individuals to participate in learning and community. Nearly half of adults (46%) in the IR had harvested traditional foods through berry picking or other gathering, fishing, hunting or trapping in the past three months (Figure 13).¹¹ This was more common for males (54%) than females (36%) and for adults 18 to 54 (51%) than adults 55 and older (36%).

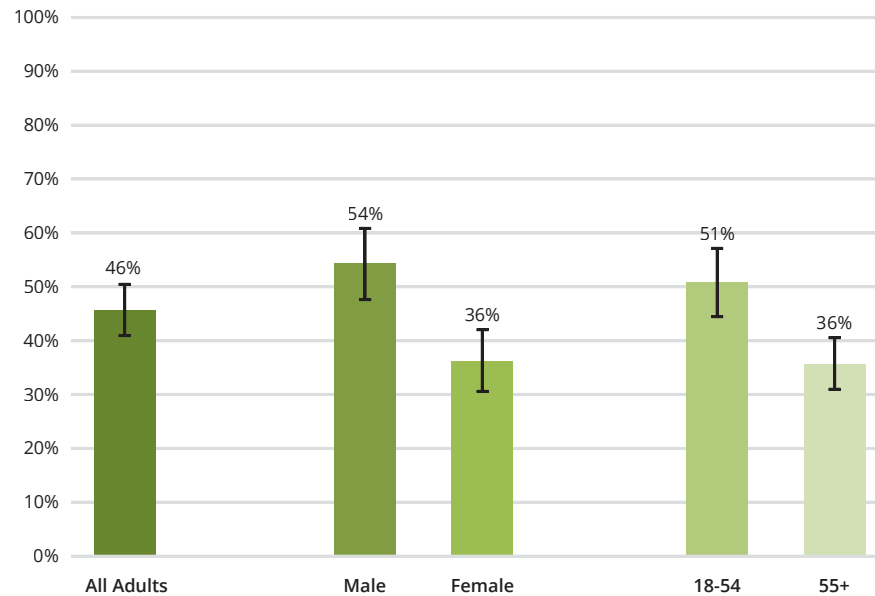
Additionally, 38% of youth and 50% of children in the IR had harvested traditional foods in the past three months.

In the 2012 Aboriginal Peoples Survey, approximately one-third of First Nations participants living off-reserve in BC had hunted, fished or trapped in the last year. One-quarter of individuals did not participate in these harvesting activities but expressed interest in doing so in the future [53], indicating that people are looking for opportunities to participate in these kinds of land-based activities.

¹¹ It is important to note that the survey took place over several seasons (fall 2015 to spring 2017). The survey was the same throughout and did not take into account the seasonality of gathering traditional foods. There may be several other factors that also affect harvesting among adults, youth and children, such as other activities they participate in which compete for time (e.g., school or work). As such, these values may not be representative of all harvesting activities.

FIGURE 13

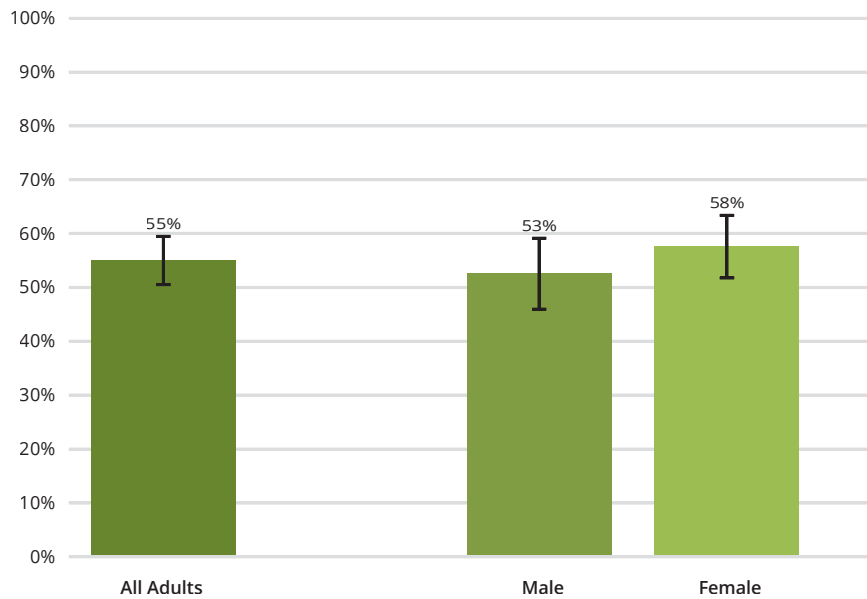
Percentage of adults
who harvested
traditional foods in the
past three months



Traditional Medicines

First Nations peoples have used traditional medicines for millennia. Elders, healers and knowledge keepers carry knowledge of native plants, ceremonies, spiritual practices and cultural teachings. Traditional medicines are herbal remedies, spiritual therapies, assistance from healers or other practices linked to their culture. Today, many First Nations people draw from the strengths of both traditional and mainstream medicines as part of their wellness journeys.

Adults – Fifty-five per cent of adults in the IR used traditional medicines in the past year. Figure 14 shows that traditional medicine use was similar for both males and females. Among adults who had used traditional medicines, over half (62%) said they had no difficulties accessing them. Almost all adults who reported any difficulties accessing traditional medicines struggled with restrictions and regulations. These results show that traditional medicines continue to be an important part of the health and wellness journeys for many First Nations people in the IR and that more needs to be done to facilitate access to them [43].

**FIGURE 14**

Percentage of adults who used traditional medicine in the past year

Healthy Living

The foods we consume, our level of physical activity and our sedentary behaviours (e.g., screen time) are all important factors that work together to influence our physical wellness. A healthy diet and physical activity promote positive health and can help prevent chronic diseases, like heart disease or obesity. These factors do not work alone; they come together to affect one's health and overall health and wellness.

The FNHA supports the healthy living and physical wellness of First Nations in BC by providing information, programs and financial grants to promote wellness and support individuals and communities to increase their physical activity and improve their nutrition. The First Nations Act Now Initiative and the Aboriginal Diabetes Initiative are two examples of the FNHA's commitment to supporting health and wellness [54, 55]. For example, FNHA wellness grant funding has supported the H'ulh-etun Health Society Outrigger Canoe Club, which uses this team sport to improve physical fitness and build community [56].

Leaders honoured at Interior Region Caucus.



Elders, healers and knowledge keepers carry knowledge of native plants, ceremonies, spiritual practices and cultural teachings.

Healthy Eating

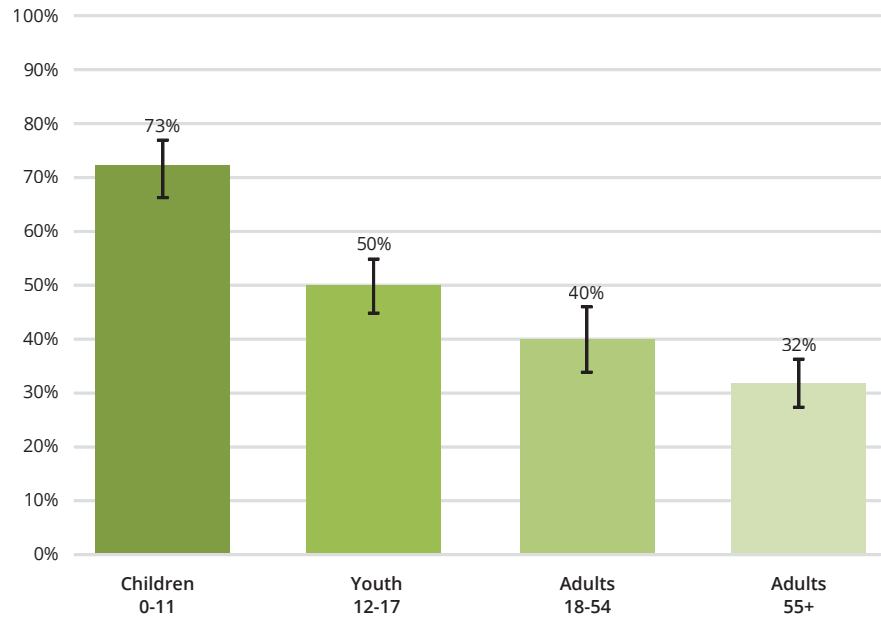
Healthy eating is central to health and well-being. The arrival of European settlers marked major changes in diet for First Nations [50]. Diets rich in protein and nutrients were partly replaced by diets high in sugar, salt, simple carbohydrates and fats. Health consequences of changing diets include obesity, diabetes and other chronic conditions. The FNHA recommends avoiding sugary drinks and eating a balance of nutritional food groups in moderation to satisfy needs and maintain health and wellness [57].

Unaffordable and inaccessible nutritious food is a barrier to healthy eating. Fresh fruit, vegetables and meats can be expensive and these are especially difficult to access in Northern and remote communities [58]. Highly processed packaged and fast foods are often cheaper and more readily available. This contributes to inequitable impacts among First Nations, who may have less access to healthy foods. Additionally, processed foods and fast food are heavily advertised, which can influence food choices. This has been shown to be of particular concern for children [59, 60].

Adults – Overall, 37% of adults in the IR said they eat from all four recommended food groups (i.e., meat and alternatives, dairy,¹² fruit or vegetables and grain products) each day [61]. However, 41% of all adults also said they eat fast food or sugary foods (i.e., pop, artificially flavoured juice, sweets and energy drinks) every day. More males (49%) than females (32%) said that they eat fast food or sugary foods daily, as did adults aged 18 to 54 (46%) compared to older adults (32%). Figure 15 and Figure 16 show eating habits for younger and older adults.

12 The category for dairy included soy products; however, there are other traditional foods that are dairy alternatives (e.g., wild plants, seaweed, fish with bones, nuts and beans, among others) that were not included [61]. Participants eating these alternatives may not have been included for this reason.

FIGURE 15
Percentage of participants who said they eat from all four recommended food groups daily by age group





Healthy eating is central to health and well-being.

Youth and children – Half (51%) of youth and 73% of children two years and older in the IR were reported eating from all four recommended food groups each day (Figure 15).¹³ However, 42% of youth and 24% of children two years and older were reported to eat fast food or sugary foods at least once per day (Figure 16).

The BC Adolescent Health Survey included Aboriginal students in BC but did not separate them by First Nations, Métis or Inuit.¹⁴ A report on this survey data found that Aboriginal students living on-reserve were more likely to consume pop, energy drinks and fast food than those living off-reserve. Students living on-reserve were also less likely to have eaten vegetables. Yet those living on-reserve were also more likely to have eaten traditional foods or those harvested by their families [46]. Creating a healthy food environment at home is one way to help children and youth maintain good habits as they continue to grow [50].

13 The differences between adults and children could mean that adults are prioritizing healthy meals for children over themselves, or that among participants there were proportionally more adults without children, who are eating from fewer food groups daily. However, these results should be used with caution, as a reporting bias may be possible.

14 These results – reported in Raven's Children IV: Aboriginal youth health in BC [46] – separated Aboriginal students into those who lived on-reserve and those who did not despite the fact that only First Nations, not Métis, or Inuit live on reserves.

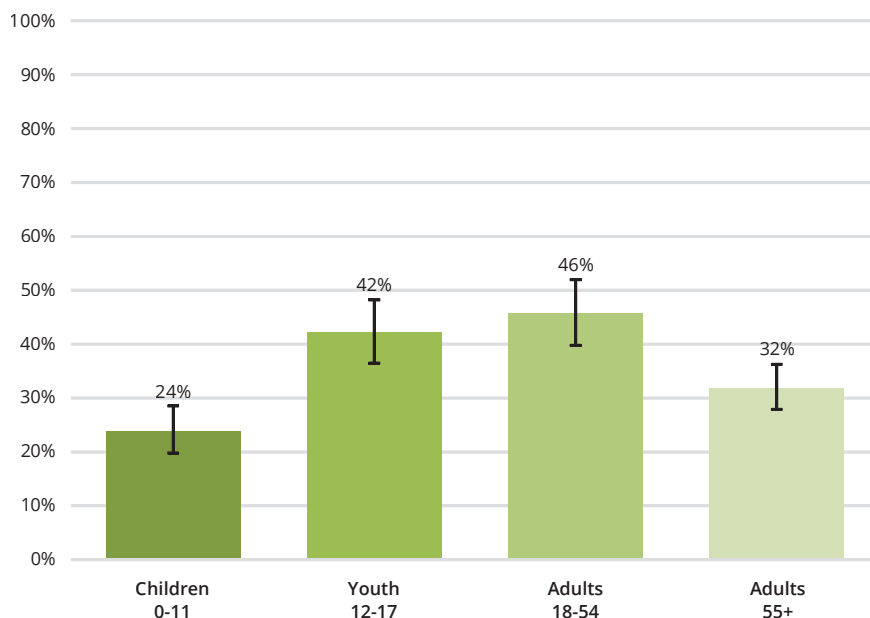


FIGURE 16
Percentage of participants who said they eat foods that are high in sugar or fast food daily by age group

Physical Activity

Physical activity is important for maintaining healthy, confident and resilient First Nations children, families and communities [62]. Being active can help reduce the risk of premature death, heart disease, stroke, high blood pressure, certain types of cancer, type 2 diabetes, osteoporosis and obesity [63]. It can also help maintain mental wellness [63].

Physical activity benefits more than just physical health – it is a vital part of mind, body and spirit. Studies have shown that Aboriginal youth who exercise at least three times a week are more likely to say they have good mental health and self-worth. They are also less likely to self-harm or consider/attempt suicide [46].

First Nations in BC have long and rich histories of physical activity and athleticism [62]. However, the legacy of colonialism has contributed to a major reduction in physical activity. Screen time has increased and conveniences like cars and supermarkets have had an impact. Reduced activity levels impact health and increase the risk of many chronic health conditions. This trend is common across all residents of Canada, including non-First Nations [64].

First Nations in BC have long and rich histories of physical activity and athleticism.



56%

OF CHILDREN
aged 5 to 11 years
participate in the
recommended 60 minutes
or more of physical
activity a day

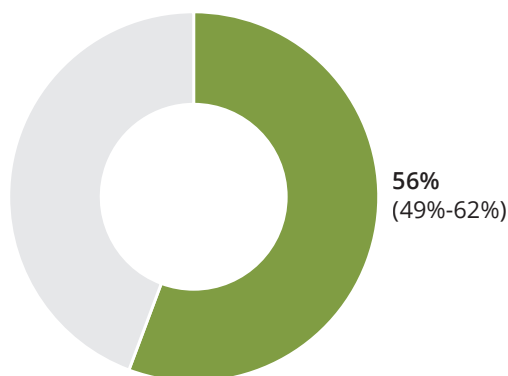


FIGURE 17
Percentage of
children aged 5 to 11
years meeting the
recommended amount
of physical activity

Adults – Canadian guidelines recommend that adults participate in at least 150 minutes of moderate to vigorous physical activity per week [63]. RHS data was not reportable for adult physical activity in the IR. Province-wide, the RHS shows that 77% of adults said they get the recommended amount of 150 minutes of physical activity per week.

This percentage appears higher than for all residents in BC. According to the 2015-16 Canadian Community Health Survey, 66% of all BC residents aged 18 and older get 150 minutes of physical activity per week [65]. Throughout First Nations in BC, wellness champions involved in sports and active recreation are leading the way to get communities moving [62].

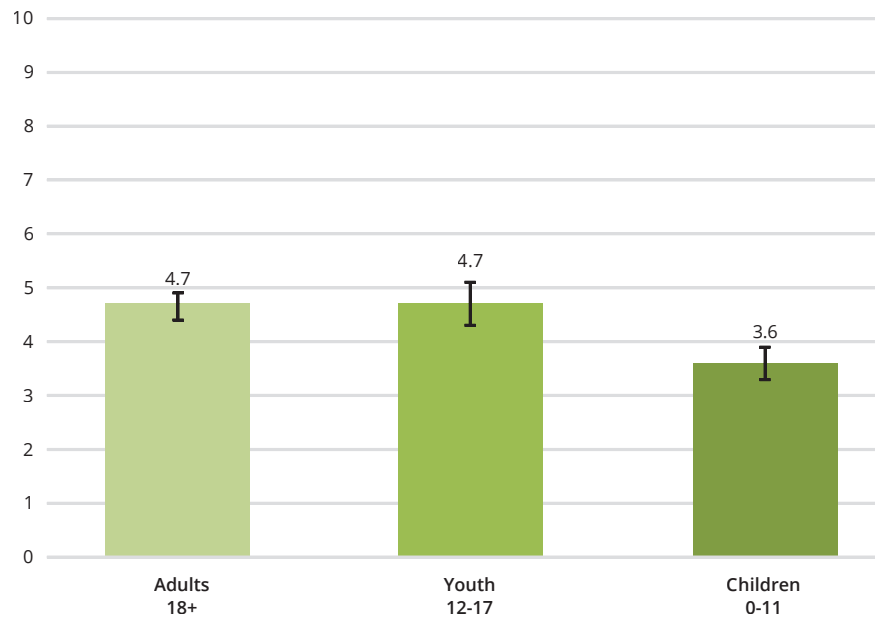
Youth and children – It is recommended that youth and children between the ages of 5 and 17 get an hour a day of heart-pumping physical activity, with no more than two hours of sitting time [64]. Although research shows that just 9% of Canadian children are getting their recommended dose of activity [67], the BC average is much higher. The 2015-16 Canadian Community Health Survey found that 67% of all youth across BC said they got an average of 60 minutes of activity per day [65].

Data for youth in the IR and the province was not reportable. However, the RHS found that across the IR, over half (56%) of children aged 5 to 11 get the recommended average of 60 minutes per day (Figure 17).¹⁵ Staying active helps younger generations lead longer, healthier lives as they age. Family and community support for physical activity is needed to ensure that no children are left behind.

¹⁵ Youth and children were only asked how much physical activity they get per week, so to report data in line with Canadian guidelines RHS data reports an average per day. However, most other data surveys report youth physical activity daily. It is hard to know how comparable these statistics are.

FIGURE 18

Average daily screen
time (hours per day)
by age group



Screen Time

There are growing concerns that too much screen time (including time spent on TV, computers, iPads, gaming systems or cellphones) may be harmful to health, especially among young children [68].

Zero screen time is recommended for children under two years old [68]. Less than one hour per day is recommended for children aged 2 to 5 and less than two hours per day is recommended for children and youth between the ages of 5 and 17 [67, 68].

All ages - Substantial daily screen time was seen across all age groups in the IR (Figure 18). Adults reported an average of 4.7 hours of screen time per day. On average, daily recommendations for screen time were exceeded by youth (4.7 hours/day) and children (3.6 hours/day). While the RHS data uses different age ranges than the previously mentioned recommendations, this still suggests that among First Nations in the IR, all age groups are getting more screen time than what may be healthy. This is similar to trends seen for all residents of Canada [68].

Body Mass Index

Body mass index (BMI) is a way of measuring body composition using height and weight. A person's BMI may indicate that they are underweight, normal, overweight or obese. Obesity has been linked to major chronic diseases, such as arthritis, diabetes, cardiovascular diseases and cancer [32]. Although BMI is an imperfect indicator, as it does not distinguish between fat and muscle [69], it is useful for understanding weight categories and population health and wellness [70].

While BMI is the best available measure of healthy weight and obesity in the RHS data, it is important to recognize that healthy weight among First Nations in BC is more complex than this measure. Changes in First Nations cultures and lifestyles have affected healthy weight. Transitions from healthful traditional diets towards western diets may have contributed to increased obesity, as western foods may be less nutritional [58]. Traditionally, First Nations have led active lifestyles through activities such as hunting and gathering

or playing traditional games. However, with colonialism and westernization, active traditional lifestyles have decreased and people are more sedentary [71]. These lifestyle changes are systematic and draw attention to the influence of health determinants on healthy weight.

Adults – Based on reported BMI measures, 35% of adults in the IR were overweight and 38% were obese. More females (45%) than males (30%) were considered obese. Twenty-seven per cent of adults had a normal weight and 1%^{16*} were underweight.

The 2011-14 Canadian Community Health Survey found that 32% of First Nations adults in BC living off-reserve were overweight and 30% were obese [72]. Among all BC residents, the 2015-16 Canadian Community Health Survey found that 36% were overweight and 21% obese [65]. In recent years, obesity has increased across Canada and the world, making it a public health concern for all populations [73, 74].

Youth and children – Data on BMI was not reportable for youth and children in the IR or across the province.

The 2015-16 Canadian Community Health Survey found that 26% of all youth in BC aged 12 to 17 years old were overweight or obese [65]. Other research has found that 9% of Canadian children (aged 5 to 11) are obese [75]. Reducing childhood obesity among First Nations in BC is a priority identified in the Transformative Change Accord: First Nations Health Plan [70].

Education

Education is an important determinant of health. First Nations approaches to learning are lifelong, experiential, wholistic and communal. Formal and informal education can promote health in many ways. For example, it can introduce employment and income opportunities that support healthy living [32]. Education may also make it easier for people to access and understand health information. This ability to understand health information is known as “health literacy,” and it can help individuals make healthy choices.

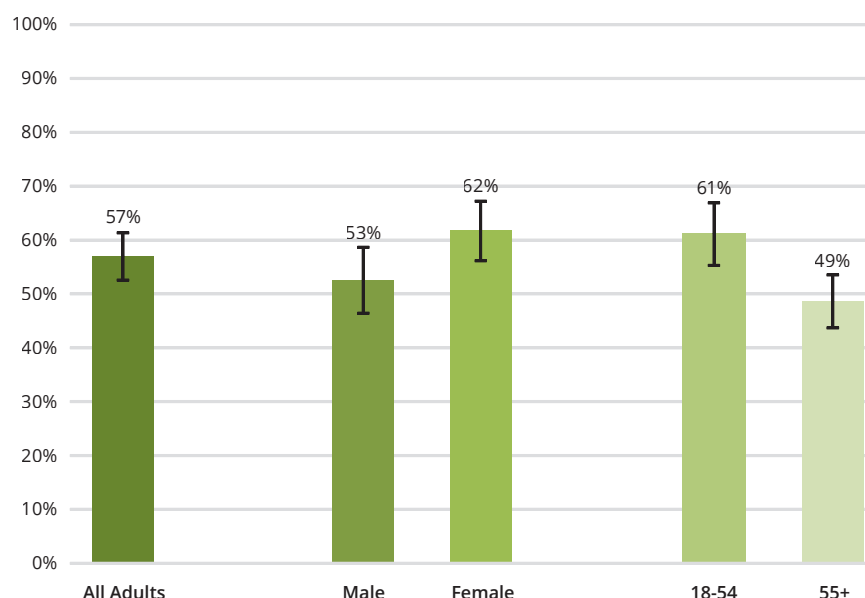
The following section talks about formal education. However, it does not include all the forms of learning that enrich the lives of First Nations people. For example, cultural education also supports health and wellness as individuals gain knowledge of traditional teachings. Sources of cultural education for children and youth were shown in Figure 11. It would be useful to explore other indicators to understand lifelong learning in First Nations communities. The First Nations Regional Early Childhood, Education and Employment Survey (FNREEES) was designed to collect information on formal and informal education, as well as employment, among First Nations [76].

The RHS offers a snapshot of formal education among First Nations people in BC. Barriers to formal education persist among First Nations due in part to historical and intergenerational trauma associated with residential school experiences. This history of abuse from residential schools has created mistrust of mainstream education. Poverty, discrimination and racism also exclude First Nations people from educational opportunities [32]. First Nations cultural values and ways of knowing are often not reflected in mainstream classrooms. Obstacles to formal education can contribute to poor health by limiting employment opportunities and increasing social exclusion [6].

¹⁶ * Interpret with caution due to moderate variability.

FIGURE 19

Percentage of adults who have completed a high school diploma by males and females and age group



Adults – Fifty-seven per cent of adults in the IR have completed a high school diploma (Figure 19).¹⁷ Approximately six in 10 (61%) adults aged 18 to 54 had completed a high school diploma, as had 49% of adults 55 and older. Among adults who do not have a high school diploma, the majority (80%) had attended some or all high school grades.

Many adults said they had received education that was separate from high school. Two-thirds (66%) of adults had completed at least some additional post-secondary, trade school, community college or university education. Of all adults, three out of 10 (29%) had pursued some further education, 28% had finished a trade or community college diploma and 9% had completed a university degree.

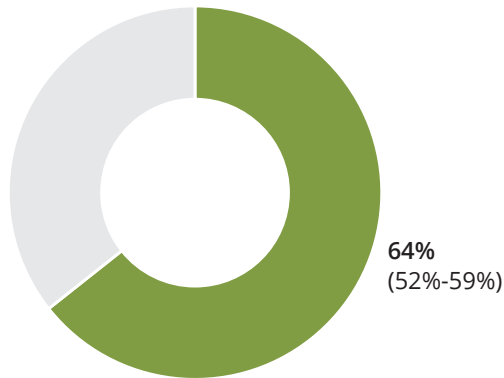
The number of First Nations people who have graduated from high school and are pursuing post-secondary education is growing [77]. The 2016 Canadian Census found that the proportion of First Nations peoples across Canada who completed high school or post-secondary education increased from 62% to 70% over the previous 10-year period [78].

Among adults in the IR who had post-secondary education, 15% had completed training in a health field such as nursing, medicine, laboratory technology, dentistry, epidemiology, etc. Increasing the number of First Nations health professionals at all levels is an important factor to support cultural safety in health services and meet the needs of First Nations people [80]. For this reason, it is an indicator of success in promoting cultural safety in health care identified in the Transformative Change Accord: First Nations Health Plan [79].

¹⁷ Participants who had upgraded their high school, or completed an equivalent program such as General Educational Development or Adult Basic Education were included as having completed a high school diploma.

64%

OF CHILDREN
were reported to
have ever attended a
Head Start program

**FIGURE 20**

**Percentage of children
who have attended an
AHSOR program**

Children – Locally controlled AHSOR programs are designed for children aged 0 to 6 years [81]. Each program includes six key components: culture and language, education, health promotion, nutrition, parent and family involvement and social support [81]. Emotional, spiritual, physical and intellectual needs of First Nations children are placed front and centre.

In the IR, almost two-thirds (64%) of children had attended an AHSOR program (Figure 20). Because not all communities have AHSOR programs, some children may not have been able to attend an AHSOR program. Supporting children in their early years is essential for health and wellness throughout their lives, underlining the importance of these programs [44]. The FNHA is working to increase the number of AHSOR programs for First Nations children living on- and off-reserve across BC [49].

Employment

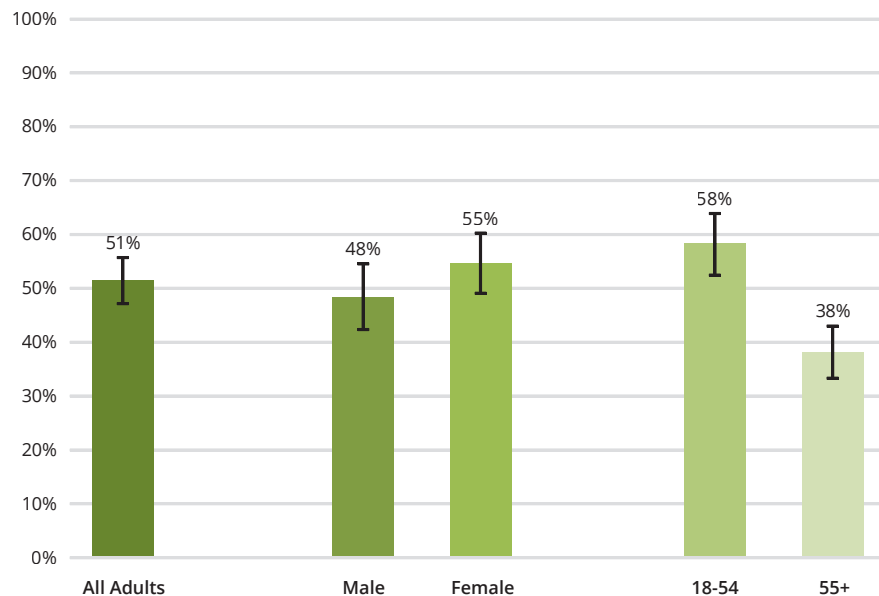
Employment plays an important role in an individual's self-worth, ability to fulfill family responsibilities and ability to lead a healthy life [6]. Income gained from employment – namely through the “wage economy” where money is exchanged for work – is also vital to accessing basic needs like food and shelter. In contrast, poverty has been shown to be harmful for health [32].

The “wage economy,” as described above, is not part of all First Nations histories. First Nations traditions have historically evolved from community values [82]. Previously, the distinction between home and work was not always as pronounced as it tends to be now and First Nations traditionally placed community needs over individual ones [83, 84]. As such, tasks and duties in many First Nations communities were and are performed without the expectation of financial reward. These services are important and provide physical and mental benefits to individuals that work for the benefit of their communities [85-87]. Although these services are not captured in employment statistics, they contribute to personal and community wellness. It is important to remember that these roles continue in communities today and that they are not reflected in the following employment statistics.

Some forms of work not captured by this survey could include hunting, fishing, caring for children and Elders and providing spiritual and healing care. First Nations adults, particularly in rural communities, may also be employed on a seasonal-basis, which may not have been captured due to the timing of this survey [76].

Adults – Among adults in the IR, 51% said they are currently working for pay. See Figure 21 for responses for both adult age groups and males and females. Adults 18 to 54 (58%) were more likely to be working for pay than adults 55 and older (38%), which would be expected given that retirees are included in the older age group.

FIGURE 21
Percentage of adults
who are currently
working at a job or
business for pay
by males and females
and age group





Interior Region Board Members of the First Nations Health Directors Association honoured at Interior Caucus.

The RHS results are similar to those in the 2011 Canadian National Household Survey from Statistics Canada, which reported 57% employment among First Nations peoples between the ages of 25 and 64 across Canada, compared to 76% among non-First Nations peoples [88].

First Nations traditionally placed community needs over individual ones.

Children – A majority (80%) of children had at least one parent or caregiver who was currently working for pay (Figure 22).

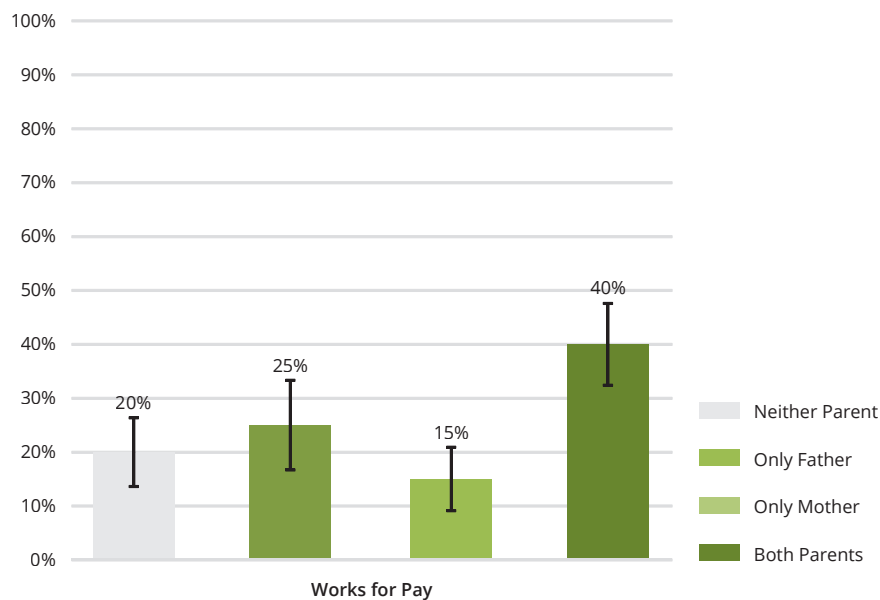
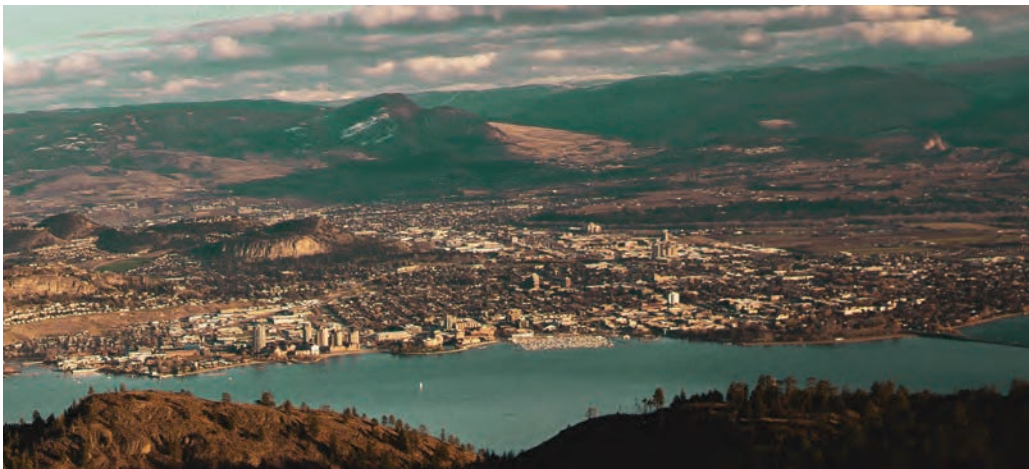


FIGURE 22
Percentage of children with parents working for pay



Kelowna, BC.

Living Away from the Community

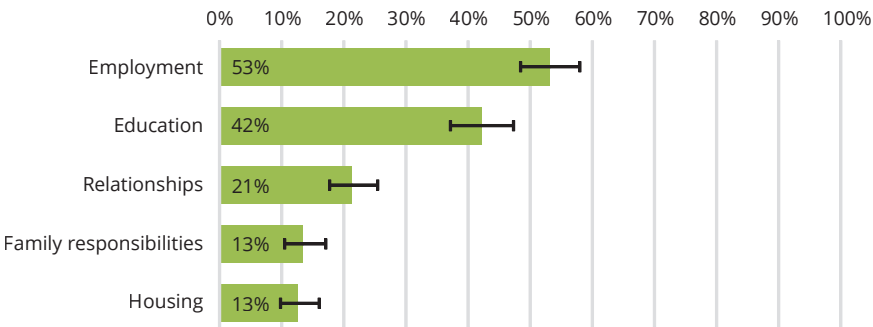
Over 170,000 First Nations people live in BC [34]. While some live in cities, towns or rural areas, others live on-reserve in their home communities. Many First Nations people in BC maintain connections with their cultural traditions and home community, even when they live elsewhere.

The most recent National Household Survey shows that 16% of First Nations peoples across Canada had moved at least once in the past year [88]. Moving frequently can disrupt access to social supports like neighbours, community and family [4]. The desire to seek employment and education opportunities, the need to leave unsafe situations and a desire to connect with family and culture are some reasons individuals decide to leave or stay in a community [4].

Adults – Three-quarters (75%) of adults in the IR had lived outside of their First Nation community at some point in their life.¹⁸ Employment, family responsibilities, relationships and education were common reasons given for moving away from the community (Figure 23). These numbers only reflect those who are currently living on-reserve and do not represent those who are still living outside of their community.

¹⁸ In the RHS, a participant's community was the reserve community where they registered as a band member. However, the community where someone feels at home may be different and was not captured.

FIGURE 23
Common reasons reported for moving away from their community among adults who had ever lived outside of their community by males and females





Education, employment and adequate income help families and individuals meet their basic needs, such as nutritious food and quality housing.

Basic Needs

Education, employment and adequate income help families and individuals meet their basic needs, such as nutritious food and quality housing. When an individual cannot meet their basic needs, this *directly* impacts health by affecting their ability to survive and thrive. It also *indirectly* impacts health by causing stress, which takes a toll on the body over time. Finally, it *negatively impacts* other social determinants of health. For example, when an individual cannot meet their basic needs, this limits their ability to work, go to school or take care of health in other ways.

The FNHA recognizes the role of social and economic conditions in the journey to health and wellness. The FNHA Health Promotion and Prevention Healthy Living Unit supports improvements in these conditions for First Nations by funding community-based initiatives that focus on health promotion, including food security [89].

Adults – Adults were asked if they had struggled to meet their basic needs – including food, shelter, utilities, clothing and transportation – in the past year. While 51% of adults in the IR said they *did not* struggle to meet their basic needs, 43% said they struggled to meet *some* needs (i.e., at least one basic need, but not all) and 7% said they struggled to meet *all* the listed basic needs (Figure 24). More adults 55 and older (60%) said they did not struggle to meet their basic needs than adults 18 to 54 (44%).

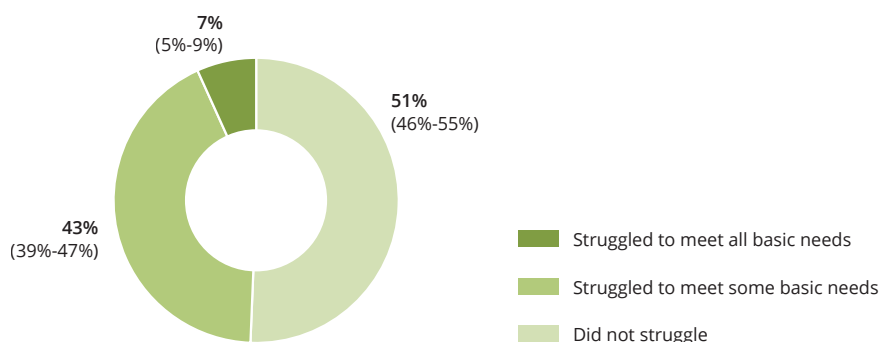
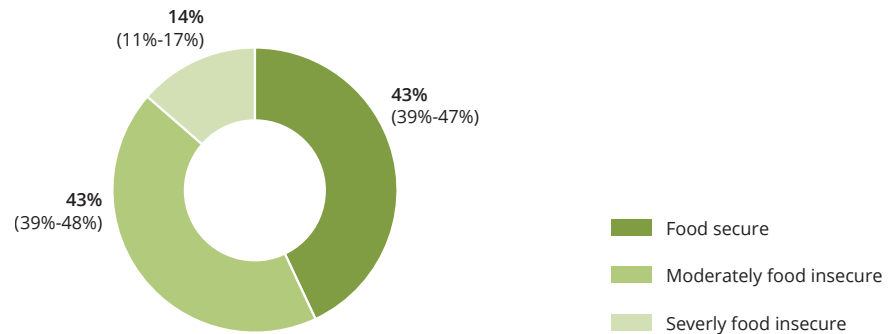


FIGURE 24
Percentage of adults who said they had struggled to meet their basic needs in the past year

FIGURE 25

Level of household
food insecurity
reported by adults



The RHS found that almost half of adults struggled to meet at least one basic need. These are essential for individuals to lead healthful lives, but are often outside of an individual's control. These needs may not be easily available or accessible in communities, which has been described as an effect of colonialism and the loss of traditional resources and environments [88].

To learn about food security issues, the RHS asked adults if their household had experienced any of the following in the past year: ¹⁹

- Food that was bought didn't last and didn't have the money to get more;
- Couldn't afford to eat balanced meals;
- Cut the size of meals or skipped meals because there wasn't enough money for food;
- Hungry but didn't eat because there wasn't enough money for food; or
- Ate less than felt they should because there wasn't enough money to buy food.

While 43% of adults in the IR said that they **did not** experience food insecurity in the past year, 14% said their household experienced **all** the food insecurity issues listed above (i.e., **severe** food insecurity). Another 43% said their household had experienced at least one but not all issues (i.e., **moderate** food insecurity; Figure 25). These results show that the ability to purchase and provide oneself and family with foods that nourish minds and bodies is not always available [7, 32, 50, 91].

Differences in the way food security is measured makes it difficult to compare this data to results from other surveys. However, Statistics Canada has reported that among First Nations people 12 years and older living off-reserve in Canada, 22% lived in households that experienced moderate or severe food insecurity [88]. This was approximately three times higher than non-Indigenous people in Canada [88].

¹⁹ The RHS does not measure all aspects of food security, such as food accessibility and food availability; this data may therefore not capture all experiences of food security.



Interior Research Forum.

Healthy Mothers and Babies

Mothers and babies are honoured in First Nations cultures in BC [92]. Birth is sacred, spiritual and life giving [93]. The well-being of mothers and children affects the health and well-being of families and communities [92].

Adults – Approximately 4%^{20*} of First Nations females aged 18 to 45 in BC were pregnant at the time of the RHS.²¹ This data was not reportable for the IR.

Child – A healthy pregnancy is important for the long-term health of both a mother and child. A majority (84%) of the parents or caregivers across BC said that their child's mother had taken a prenatal vitamin containing folic acid or iron during pregnancy. This information was not reportable for the IR. The FNHA funds most of the First Nations in BC for the Prenatal Nutrition Program. This provides funds and resources for communities to design and deliver their prenatal nutrition programs [94].

Birth weight is an important indicator of infant health and development. In the IR, the average birth weight, as reported by parents and primary caregivers, was 3.4kg (7lbs, 8oz). Most (86%) babies had a moderate birth weight and 10%^{22*} had a low birth weight.²³ In Canada, 6.4% of infants born in 2016 had a low birth weight [95]. Although the Canadian data is not directly comparable to data in this survey because low birth weight is measured differently, the Canadian data provides some context for the RHS data [96].

²⁰ * Interpret with caution due to moderate variability.

²¹ Female youth in the RHS were not asked if they were pregnant.

²² * Interpret with caution due to moderate variability.

²³ Note that preterm babies are included in the measure of low birth weight in the RHS. These babies would likely fall in the low birth weight category, but may not be considered low for their gestational age. Also, the RHS data was self-reported, while Statistics Canada data was not.

Gender Identity

“Two-Spirit” is used by some Indigenous people across North America to refer to a broad range of sexual and gender identities.

Gender identity and sexual orientation can play an important role in health and wellness, particularly due to reduced access to health and wellness services. Many First Nations cultures have histories of gender and sexual diversity. “Two-Spirit” is used by some Indigenous people across North America to refer to a broad range of sexual and gender identities. It may refer to people who have both masculine and feminine spirits or people who identify as lesbian, gay, bisexual, transgender or queer [97]. Although the RHS was not able to produce a reliable snapshot of sexual orientation for First Nations peoples living on-reserve, it must be acknowledged that sexual orientation influences health and wellness and may lead to increased discrimination and marginalization experienced both in daily life and in access to health services.

Adults – Approximately 4%^{24*} of adults in the IR said they identify as Two-Spirit or transgender.²⁵ Two-Spirit people may face additional challenges as a result of discrimination and marginalization both in and outside First Nations communities in BC, which may contribute to underreporting. It is important to recognize the unique health needs of Two-Spirit people.

Youth – Data was not reportable for youth who identify as Two-Spirit or transgender in the IR. However, the RHS found that 2%^{26*} of youth across the province identified as Two-Spirit or transgender.

The BC Adolescent Health Survey from 2013 found that 1% of Aboriginal youth attending school in BC identified as transgender and 5% identified as Two-Spirit.²⁷ This research with Aboriginal transgender and Two-Spirit youth in BC found that a majority feel positive about themselves and their overall health. However, alarming percentages of Aboriginal transgender and Two-Spirit youth reported experiencing physical and sexual abuse (29%), thinking about suicide (34%) and experiencing discrimination (36%) [46].

24 * Interpret with caution due to moderate variability.

25 It is important to note that these measures may not adequately capture sexual and gender diversity as an individual's expression may not be confined to these categories.

26 * Interpret with caution due to moderate variability.

27 These results – reported in *Raven's Children IV: Aboriginal youth health in BC* [46] – separated Aboriginal students into those who lived on-reserve and those who did not despite the fact that only First Nations, not Métis, or Inuit live on reserves.

FNHA staff members march in the 2018 Vancouver Pride Parade wearing #TwoSpiritLove t-shirts.



Trauma

The impact of colonialism on First Nations has been described as a “soul wound” [98]. First Nations in BC continue to experience the impact of historical, intergenerational and ongoing traumas. Intergenerational effects of residential schools, as well as experiences of present day racism, violence and bullying, are barriers to health and healing [16]. With these wounds in mind, the FNHA works to foster cultural safety within the health system by advocating for spaces where the traumas and experiences of First Nations are heard and respected [99].

Residential School Attendance

Adults – One-quarter (24%) of adults in the IR adults said they had attended a residential school. More adults 55 and older (59%) said they had attended than adults 18 to 54 (6%^{28*}). These survivors and their descendants are part of the fabric of First Nations communities across the province. Their strength in the face of tremendous adversity is a powerful testament to their resilience [100].

Racism

Adults – Over one in three (38%) adults in the IR reported personally experiencing racism at least once in the past year (Figure 26). As little data exists documenting how many First Nations people experience racism in their daily lives, this is an important finding.

28 * Interpret with caution due to moderate variability.

OVER
1 in 3
ADULTS
reported personally
experiencing **racism**
in the last year

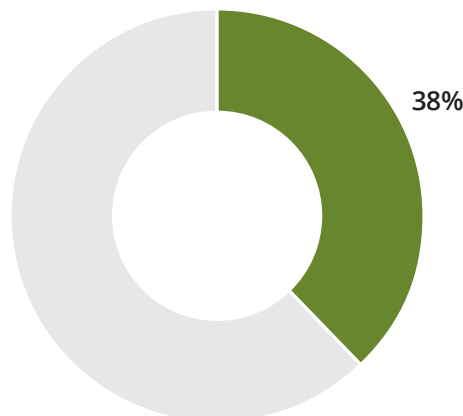


FIGURE 26
Percentage of adults who
experienced racism in the
past year

FIGURE 27

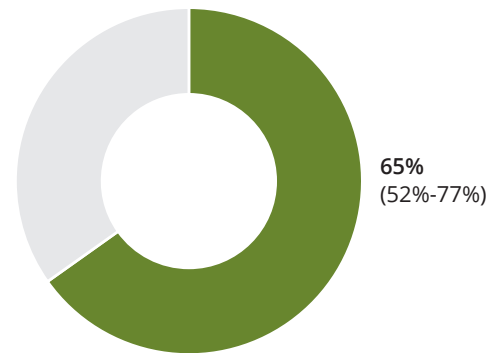
Adults who reported experiencing, seeking and receiving help for aggression or cyberbullying

ABOUT

2/3

OF ADULTS

who sought help in dealing with **aggression / cyberbullying** in the past year reported **receiving the help they needed**

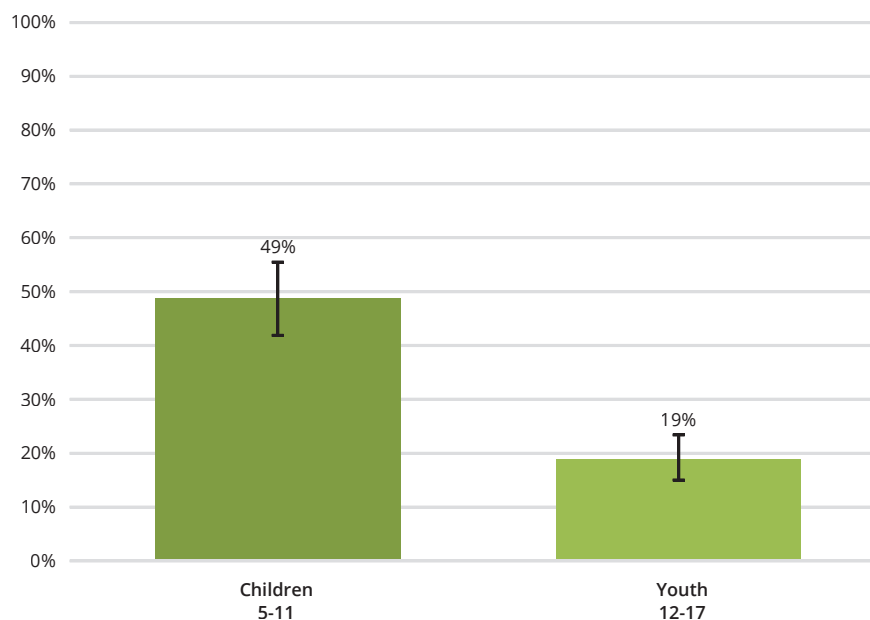


Bullying, Aggression and Violence

Adults – Just over half (51%) of adults in the IR said they had experienced physical (e.g., hitting, kicking, crowding, etc.) or verbal aggression (e.g., threats, insults, name calling, etc.) in the past year. Aggression was experienced by more adults aged 18 to 54 (61%) than those 55 and older (34%). Indigenous peoples across Canada are three times more likely to be victims of violent crime than non-Indigenous Canadians [101]. Disproportionate levels of violence experienced by Indigenous peoples are also reflected by the number of missing and murdered Indigenous women in BC and across Canada [102, 103]. However, increasing public awareness and activism are working to address the systemic injustices experienced by victims of violence in the legal system.

Adults who had experienced aggression were asked where the aggression occurred. In the IR, adults said that this was experienced in the community (52%), at home (29%) and online (13%). Among adults who had experienced aggression or cyberbullying, 19% sought help in dealing with it and about two-thirds (65%) felt they received all the help they needed (Figure 27).

The traumas and abuses experienced by many First Nations people in the past and present have created a legacy of violence within First Nations communities [104]. Ensuring that communities are safe and free from violence is an important part of healing and rebuilding in this era of reconciliation.

**FIGURE 28**

Percentage of children and youth reported to having been bullied in the past year by males and females

Youth – Overall, 19% of youth in the IR said they had been bullied in the past year (Figure 28). Over three times the number of female youth (29%) were bullied than males (9%^{29*}). Bullying was defined as a purposeful act in which the bully uses their power to threaten, harass or hurt others. It includes physical, verbal, indirect and cyberbullying. The percentage of First Nations youth who reported being bullied in this RHS survey may be lower than that of all BC youth attending grades 7 to 12, among whom approximately half reported having been bullied in the past year [105].

Bullying experienced by youth has important implications for health and wellness [106]. Among Aboriginal youth in BC, experiencing bullying has been linked with missing out on extracurricular activities, feeling extreme despair and attempting suicide. However, when a young person who is bullied feels that their family pays attention to them, harmful outcomes are reduced [46].

Children - According to their parents or caregivers, 49% of children between five and 11 years in the IR had been bullied in the past year (Figure 28).³⁰ The extent of reported bullying may highlight an area for attention, as bullying can be harmful to a child's health and well-being [106].

29 * Interpret with caution due to moderate variability.

30 A parent or guardian responded on behalf of children. These figures may underestimate the experiences if the parent or guardian was not aware of bullying in the child's life.





HEALTH STATUS AND OUTCOMES

Each of the social determinants of health described in the previous section plays a role in shaping the health status of First Nations in BC. Understanding health status and outcomes requires recognizing a wholistic perspective of health and wellness that involves the whole person — physical, emotional, mental and spiritual — and extends beyond the individual to family, community and cultural traditions. The impacts of these health determinants are visible in perceived health and wellness, patterns of disease and individual behaviours. Some of these determinants buffer against poor health outcomes, while others put individuals in harm's way.

This section shares findings on the health and wellness status and outcomes reported by RHS participants.



Chase Community Hall.

Perceived Health and Wellness

All ages – Seven out of 10 (70%) adults in the IR said their health was generally good, very good or excellent. Most youth (85%) and children (94%) were also reported to be in good, very good or excellent health. Figure 29 shows a breakdown of these results.

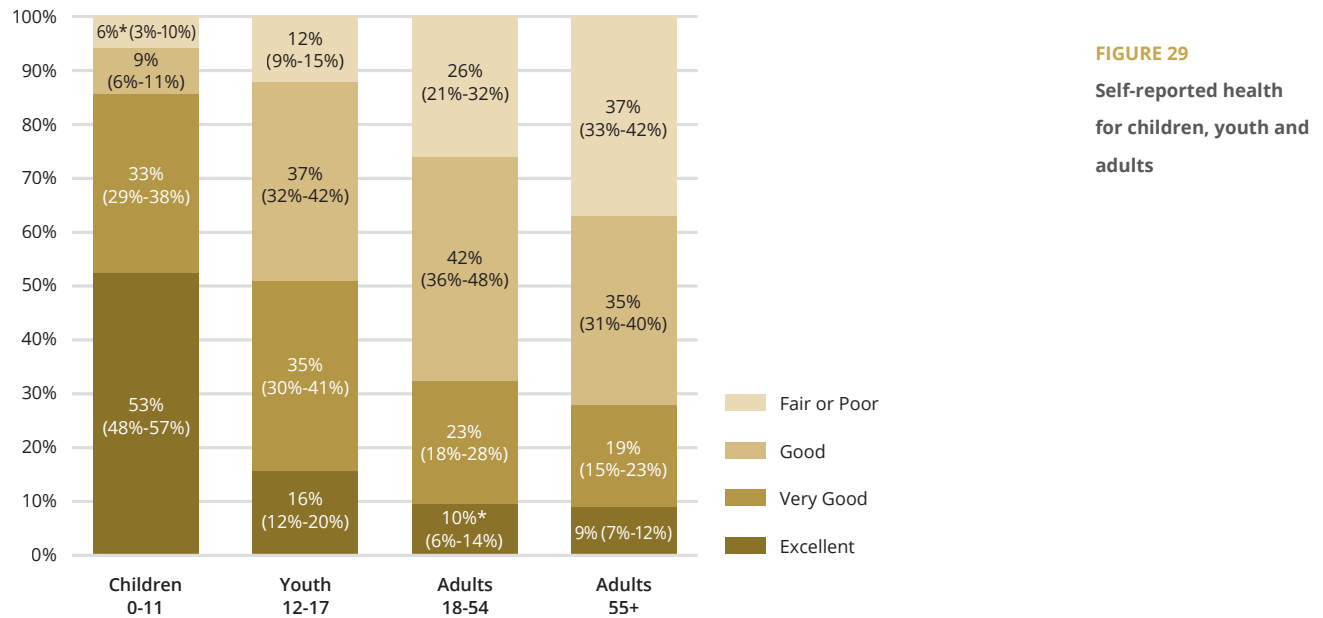
Mental Health and Wellness

First Nations communities in BC have consistently identified mental health and wellness as a top priority. Individual mental health and wellness is rooted in community and family wellness [107, 108]. Individuals, families and Nations are on a journey to reclaim their mental health and wellness by healing from the traumatic impacts of colonialism, residential schools and the removal of children from their families and communities [107]. Personal resilience, community connectedness, traditional wellness practices and healthy relationships are essential. Supporting mental health and wellness is also key to addressing harmful substance use in First Nations communities in BC.

Addressing mental health conditions – such as anxiety or mood disorders – is one piece of this larger perspective [109-111]. A full spectrum of wholistic supports and services that address physical, emotional, mental and spiritual needs is crucial to support mental health and wellness among First Nations peoples [108]. Mental health and wellness initiatives must go beyond the individual to engage and support communities to take action [112]. Interventions must be accessible, acceptable and available when and where those who need them are ready to engage. The FNHA created the *Hope, Help and Healing Toolkit*, a resource for communities to strengthen their mental health prevention, intervention and post-intervention capacities [113].

Self-Reported Mental Health Status

Most adults (83%) in the IR said their mental health was good (35%), very good (32%) or excellent (15%) and 17% said that their mental health was fair or poor. Among youth, 79% said they had good, very good or excellent mental health and 13% said that it was fair or poor. See Figure 30 for self-reported mental health for both adult age groups and youth.



Adults - Adults were asked how often they felt physical, mental, emotional and spiritual balance. In the IR, 52% of adults said they felt balanced in all these areas most or all the time. A higher proportion of adults 55 or older than adults aged 18 to 54 said that they felt balanced in all areas (61% versus 47%, respectively).

In addition, when these areas (i.e., physical, emotional, mental and spiritual balance) were considered separately, most adults said they felt balanced in each of the four areas most or all the time (Figure 31).

Youth - In the IR, two-thirds (66%) of youth said they felt in balance physically most or all the time.

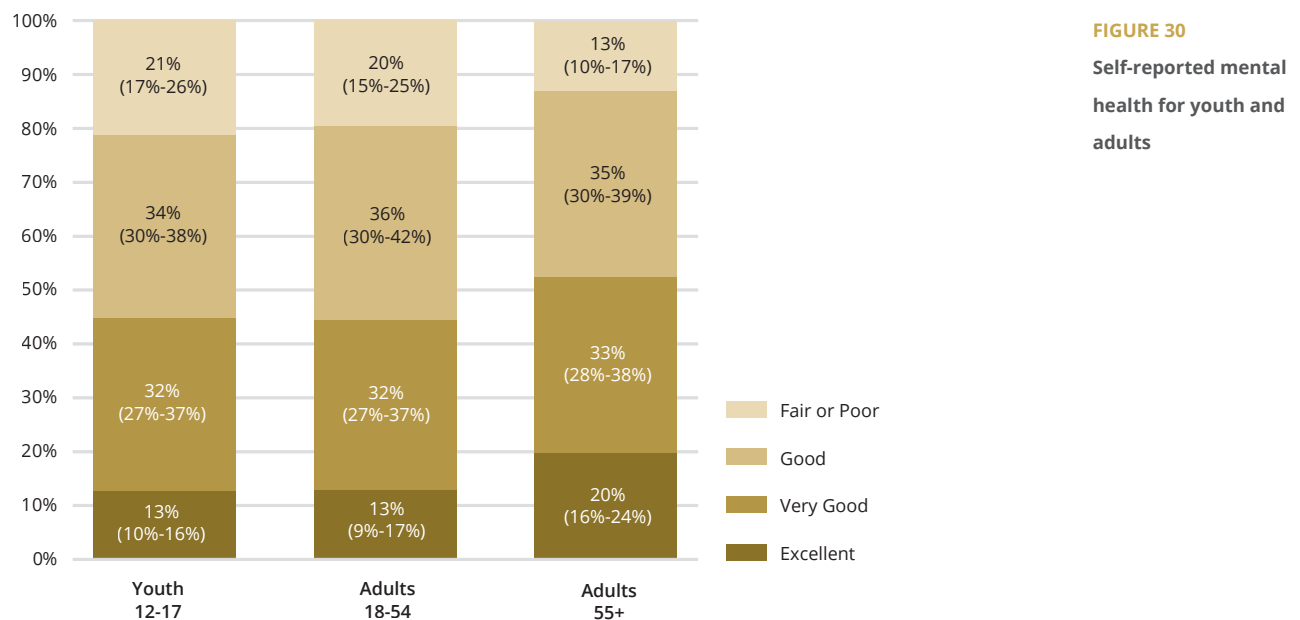
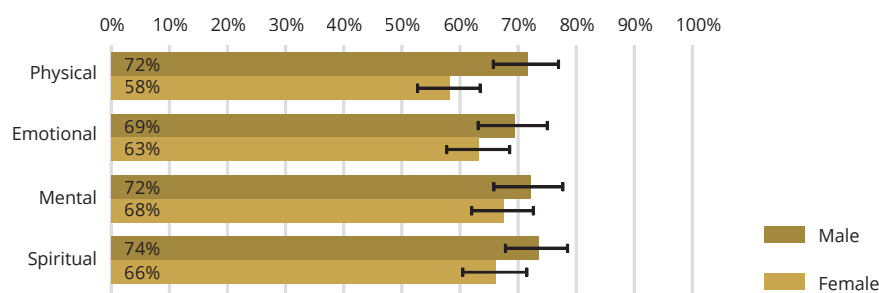


FIGURE 31

Percentage of adults that feel they are in balance most of the time for each of the four aspects of their life by males and females



Mental Health Conditions

Adults – Just over one in 10 adults reported having either an anxiety (11%)³¹ or mood (13%)³² disorder (Figure 32). A greater proportion of females (16%) reported having anxiety disorders than males (7%³³). Additionally, a greater proportion of mood disorders were reported in younger adults (16%) than those 55 and older (8%). This is consistent with data from all of Canada, which also shows anxiety or mood disorders in 10% of the population, also with higher prevalence among females (as well as adolescents) [114].

Youth and children – It is important to address children and youth's mental health conditions. Early prevention and providing supports can contribute to better outcomes for youth struggling with these conditions. Most children and youth in the IR had not been diagnosed with an anxiety disorder, mood disorder, attention deficit (hyperactivity) disorder or fetal alcohol spectrum disorder. Given the small number of "yes" responses, it is difficult to provide a precise estimate of the number of children with these conditions. Although a small percentage of children and youth may have mental health conditions, those who do may require additional support to thrive in school, at home and in the community [109, 111].

While it is difficult to find current data on mood and anxiety disorders among youth and children for context, the Canadian Institute for Health Information (CIHI) estimates that between 10% and 20% of youth and children may develop a mental health disorder [115]. Although this data from the CIHI is not directly comparable to RHS data, it is similar. This could suggest that First Nations in BC may report similar mental health outcomes as all youth and children across all of Canada.

Social Support

Adults – Most adults (86%) in the IR said they had someone to confide in or listen to them either some or all the time. As well, most adults (95%) said they had someone to have a good time or do something enjoyable with some or all the time. High levels of social support have also been reported for off-reserve First Nations peoples represented in the 2012 Aboriginal Peoples Survey [116]. Good social supports, relationships and feelings of connectedness are vital to mental health and wellness [108].

31 Anxiety disorders include: anxiety disorder, phobia, obsessive-compulsive disorder, or panic disorder.

32 Mood disorders include: depression, bipolar, mania or dysthymia.

33 * Interpret with caution due to moderate variability.



FNHA supports Gathering Our Voices youth conference each year, contributing to youth wellness.

Adults were asked who they had seen or talked to on the telephone about their emotional or mental health in the past year. Common sources of support for adults in the IR were family members (51%) and friends (39%). Overall, 18% of adults sought professional medical support (e.g., family doctor, mental health professional, community health worker, nurse, social worker, crisis line) for their emotional or mental health and 8% had sought support from a traditional healer. Younger adults were more likely than those 55 and older to have talked with a friend (45% and 28%, respectively) or a family member (54% and 43%, respectively). It was more common for females to speak with a family member, friend or medical professional, as shown in Figure 33.

Of note, 34% of adults said they had not spoken to anyone about their emotional or mental health in the past year.³⁴ Figure 33 shows that 45% of males had not spoken to anyone and this was nearly twice the percentage of females.

Among adults, males tended to reach out to social supports for mental and emotional health concerns less frequently than females. However, as mentioned above, it was more likely for females than males to report mood or anxiety disorders. (These concerns may also have been underreported among males.) Survey participants were not asked whether they required mental or emotional support that went unaddressed. However, when asked who they

³⁴ This question considers all participants and so a portion of those reporting that they sought help from 'no one' may not have required any help.

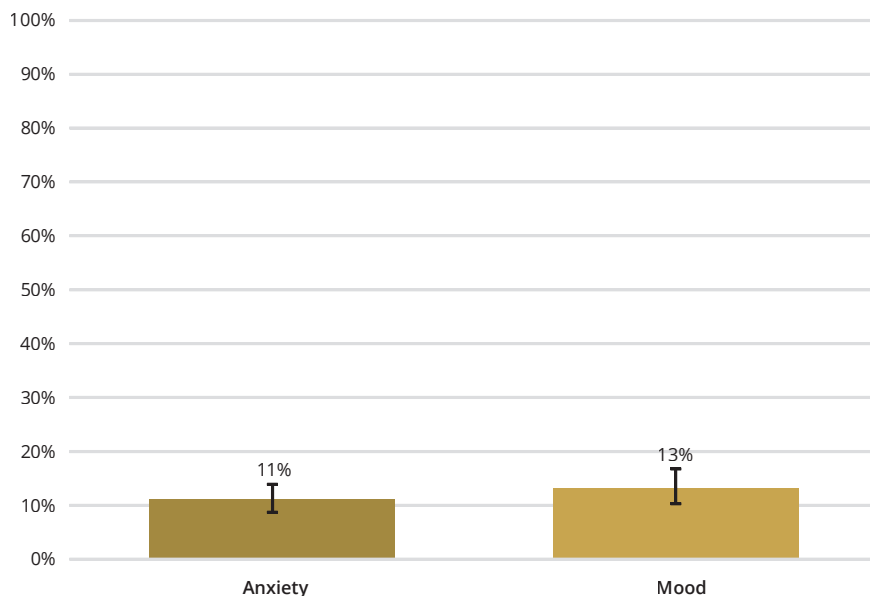
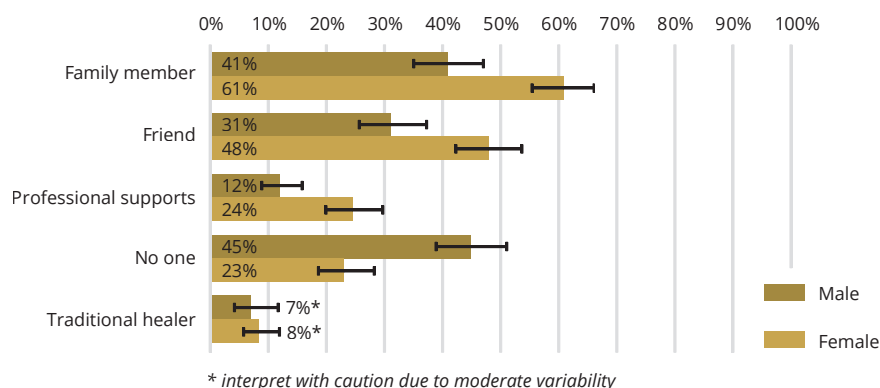


FIGURE 32
Percentage adults reporting that they have been told by a health care professional that they have an anxiety or mood disorder by age group

FIGURE 33

Social supports adults have seen or talked to on the telephone about their emotional or mental health in the past year by males and females



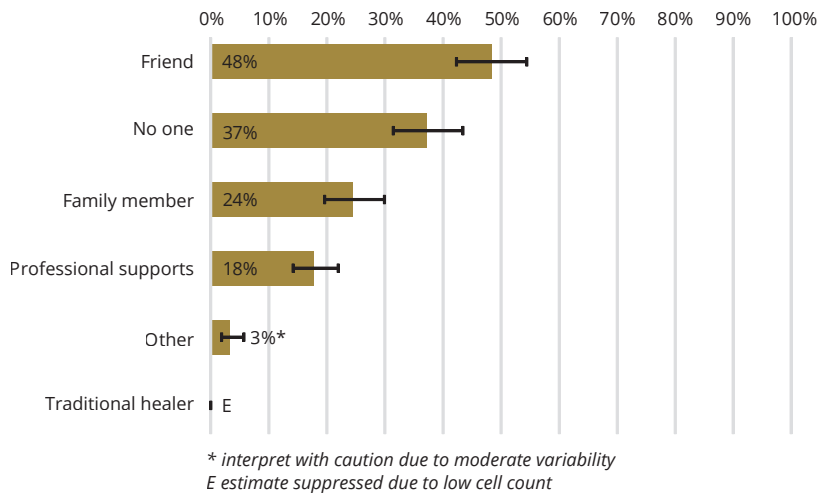
reached out to in the past year, approximately half of male adults in the IR reported “no one.” As well, males were less likely than females to reach out to a friend or family member. These findings highlight an area for attention. Empowering, culturally rooted programs, such as the Northern Indigenous Guys Gathering that brings together 45 males from 20 communities to participate in traditional activities, are great examples of the work being done to ensure that First Nations males have the tools they need to succeed [117].

Youth – Most youth (90%) said they had someone to confide in or listen to them when support was needed. As well most (95%) youth reported that they had someone to have a good time or do something enjoyable with either some or all the time. Healthy relationships with friends and family and within school and community are linked with better health and a feeling of hope for the future [46].

Youth were asked who they would go to first for help if they had problems with depression. Almost half (47%) said they would first turn to their family members and 32% said they would go to community members. It is important to note that 16% said they would turn to no one.

Youth were asked about who they had seen or talked to on the telephone about their emotional or mental health in the past year. Many youth said they had spoken to a friend (48%). One-quarter (24%) spoke with a family member and 18% had sought professional medical support for their emotional or mental health. Nearly four in 10 (37%) had spoken to no one.³⁵ It is possible that youth are reaching out for emotional and mental support in other ways, such as in person or online. However, the RHS data highlights the importance of friends for mental health support among First Nations youth living on-reserve.

35 Similar to adults, this question considers all participants and so a portion of those reporting that they sought help from ‘no one’ may not have required any help.

**FIGURE 34**

Social supports youth have seen or talked to on the telephone about their emotional or mental health in the past year

Suicide

First Nations across BC continue to cope with the impact of suicide in their communities [118]. Understanding the reasons behind First Nations peoples' thoughts of suicide and the high numbers of suicide in their communities requires recognizing the pain and loss stemming from colonialism that has also passed through generations [119]. Ongoing trauma and cultural disconnection contribute to the risk of suicide.

Nearly one-third of unexpected deaths among First Nations youth aged 15 to 24 in BC from 2010 to 2016 were suicides [118]. Elders and leaders remain especially concerned about high rates of suicide among young people who are involved in substance use and/or the foster care system [118, 120].

First Nations in BC have identified that hope, help and healing are critical supports for mental health and wellness and essential to addressing suicide [113]. Hope is about prevention by strengthening community resilience and supporting positive outlooks for the future [40]. Help means being ready to respond to suicidal feelings and attempts, and healing means supporting those affected by suicide and strengthening the community response [113].

Adults – Overall, 28% of adults in the IR have seriously considered suicide at some point and 19% have attempted suicide. See Figure 35 for these results by males and females. Among those who said they had considered suicide, 59% had done so during adulthood and 42% during adolescence. Six out of 10 (61%) adults who said they had attempted suicide had done so during adulthood and 44% had attempted suicide during adolescence. Fifty-five per cent of adults in the IR sought help from a medical professional after seriously considering suicide and 54% reported the same after a suicide attempt. According to the 2012 Aboriginal Peoples Survey, one in five First Nations adults living off-reserve in Canada has seriously considered suicide [121].

Suicide touches the entire community. Twelve per cent of adults have had a close friend or family member take their own life in the past year. Recognizing the impact of grief and loss among loved ones left behind is a vital part of supporting the well-being of First Nations families and communities in BC affected by suicide. The *Hope, Help and Healing* toolkit supports communities to prevent and respond to suicide, including helping individuals

to reclaim their mental well-being [113]. Culturally safe crisis support is funded by the FNHA for community members who are facing a suicide risk or are healing from suicide through the 24-hour KUU-US Crisis Line.³⁶

Youth – Suicide rates have been decreasing among First Nations youth aged 15 to 24 in BC over the past 20 years, with a decline from 5.3 per 10,000 in 1993-1997 to 2.3 per 10,000 in 2009-2013 [79]. Across communities, self-determination and cultural continuity are seen as factors that have contributed to this decline in youth suicide [40]. However, Indigenous youth still struggle with suicide more than other BC youth [79]. While declining suicide rates provide hope, we must ensure youth are getting the appropriate support they need. First Nations communities and families continue to support youth so they can navigate challenges, cope with adversities and thrive.

In the IR, approximately one in 10 youth (11%^{37*}) said they had attempted suicide – nine in 10 (89%) reported they had not. Of those who had attempted suicide, half (50%^{38*}) sought help from a medical professional following the attempt. Youth who had attempted suicide reported that the attempt occurred during the last year (37%^{39*}), during adolescence between the ages of 12 to 17 (41%^{40*}) and/or childhood (37%^{41*}). The proportion of youth who reported attempting suicide in the RHS may be similar to other studies. Among Aboriginal youth attending school in BC in 2013, 13% had attempted suicide in the past year [46].

36 First Nations and other Indigenous peoples who may require emotional support can contact the 24-Hour KUU-US Crisis Line at 1-800-588-8717.

37 * Interpret with caution due to moderate variability.

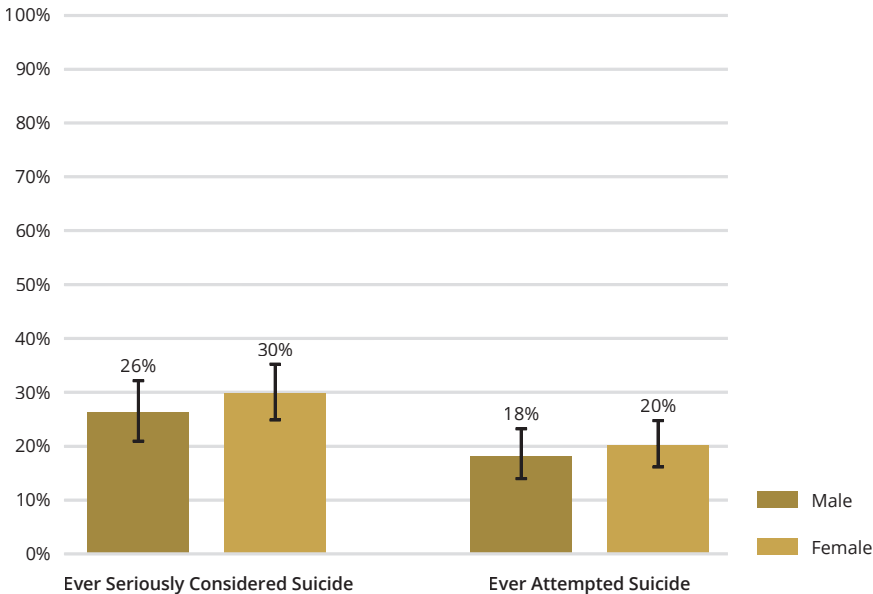
38 * Interpret with caution due to moderate variability.

39 * Interpret with caution due to moderate variability.

40 * Interpret with caution due to moderate variability.

41 * Interpret with caution due to moderate variability.

FIGURE 35
Percentage of adults
who have ever
seriously considered
or attempted suicide
by males and females





Nenqayni Wellness Centre, Williams Lake, BC.

Alcohol and Substance Use

First Nations in BC are resilient and are working to restore balance in their relationships with family, community, ancestors and the earth [107]. First Nations Elders and knowledge keepers continue to maintain traditional knowledge and values and this cultural connection has been shown to protect against problems associated with the misuse of alcohol and illicit substances [122]. While not all alcohol and substance use is harmful, it has the potential to become problematic and lead to health issues. Emotional, mental, physical and spiritual pain stemming from intergenerational and lifetime traumas have contributed to problematic alcohol and substance use among some First Nations people in BC [107].

Although many people across BC experience problematic alcohol and substance use, First Nations peoples in BC experience a disproportionate burden of harms from such use [123, 124]. As well, drug-related harms have intensified among all residents of BC because of the current opioid crisis. Most recent data indicates that First Nations in BC are three times more likely to die from an overdose than non-First Nations residents [20].

The FNHA supports a harm reduction approach [125] to reduce the harmful use of substances without judgment. Innovative, culturally based programs to prevent problematic substance use and support healthy coping strategies for trauma and mental health conditions are offered in many communities across the province. The FNHA manages the National Native Alcohol and Drug Addiction Program (NNADAP) in BC. This program supports community-based prevention and treatment services, such as community awareness campaigns, school programs and cultural and spiritual events. It also funds treatment centres, counselling, detox and support groups [126].

Adults – According to the Canadian Tobacco, Alcohol and Drugs Survey, 2% of all Canadian residents aged 15 and older said they had used at least one illicit substance in the past year [127].⁴² Approximately, one in 10 (9%*) adults in the IR said they sought treatment for alcohol or substance use in the past year. Most adults (92%) said they had not used illicit substances over the past year.

The drug-use patterns reported by the 8% of adults in the IR who said they had used an illicit substance ranged from daily use to once or twice over the past year. It is also important to note that not all alcohol and

42 The RHS defined illicit substances as cocaine, amphetamines, methamphetamine, ecstasy, hallucinogens, heroin or other non-prescription drugs. Cannabis, inhalants and saliva were excluded from this analysis on illicit substances. Definition of illicit substances is not stagnant. As of 2015, The Canadian Tobacco, Alcohol and Drugs Survey defined illicit substances as cocaine or crack, ecstasy, speed or methamphetamines, hallucinogens or heroin. Cannabis is a widely used and now legal (since October 17, 2018) substance in Canada, however, its legal status was debated during the development of this survey and report.

substance use is harmful and that the stigma associated with substance use may make people less likely to report that they have used these substances.

Youth – Most youth (92%) in the IR said they had not used illicit substances over the past year. Previous studies have observed that Aboriginal youth in BC who experienced discrimination were more likely to use substances (other than marijuana and alcohol) [47].

Children – Parents or caregivers in the IR were asked whether the child's birth mother drank any alcohol during their pregnancy. A majority (90%) reported that the mother did not drink any alcohol during the pregnancy and among those who did, most were said to have had a drink less than once a month. The powerful stigma against drinking during pregnancy may make people less likely to report alcohol use during pregnancy.

Smoking

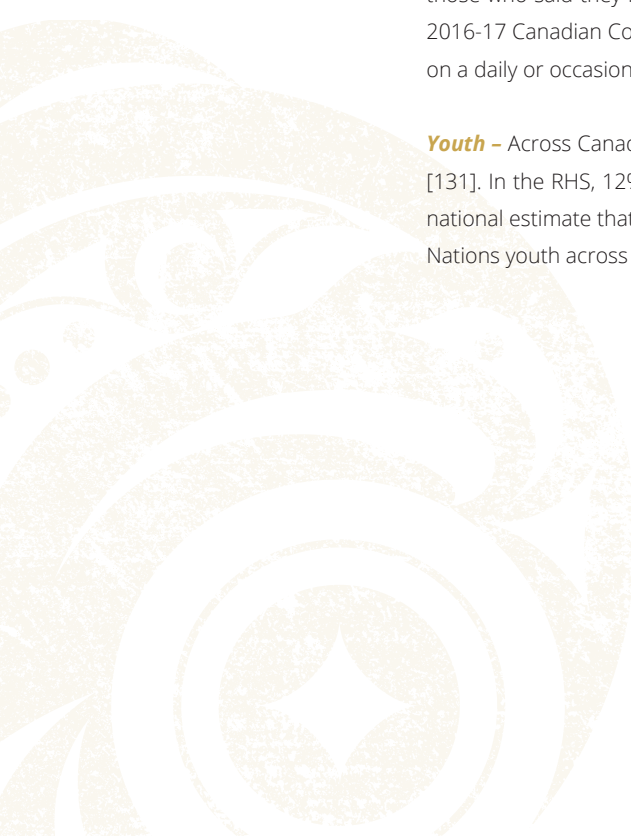
Tobacco has been used in ceremonies among many First Nations since time immemorial [128-130]. As a sacred plant used with respect in a traditional way, it has powerful spiritual and healing benefits [128, 129].

In contrast, commercial tobacco – such as cigarettes or chewing tobacco – is harmful to health. Harmful tobacco consumption increases the risk of death, cancers and reproductive issues, as well as respiratory and cardiovascular diseases like Chronic Obstructive Pulmonary Disease (COPD), emphysema, heart attacks and angina [130].

Quitting commercial tobacco is an excellent way to improve long-term health – and the health of future generations. That's why the FNHA has developed First Nations-focused programs to support people to quit. These include the Tobacco Timeout Challenge, Youth Respecting Tobacco video contest, Inside | Out handbook on second-hand smoke, Smokestack Sandra's Podcast Series and the Run to Quit fitness training program [128].

Adults – Over one-third (37%) of adults in the IR reported smoking cigarettes during the survey period. More adults aged 18 to 54 (43%) said they smoked cigarettes than adults 55 and older (27%; Figure 36). Among those who said they had quit smoking, most did so by going “cold turkey” or through willpower alone. The 2016-17 Canadian Community Health Survey found that 14% of all BC residents aged 12 and older smoked on a daily or occasional basis [65].

Youth – Across Canada, Indigenous youth are three times more likely to smoke cigarettes than other teens [131]. In the RHS, 12% of youth in the IR said they smoke cigarettes (Figure 36). This may be similar to the national estimate that 11% of youth currently smoke and is lower than other data that suggests 33% of First Nations youth across Canada smoke [132].



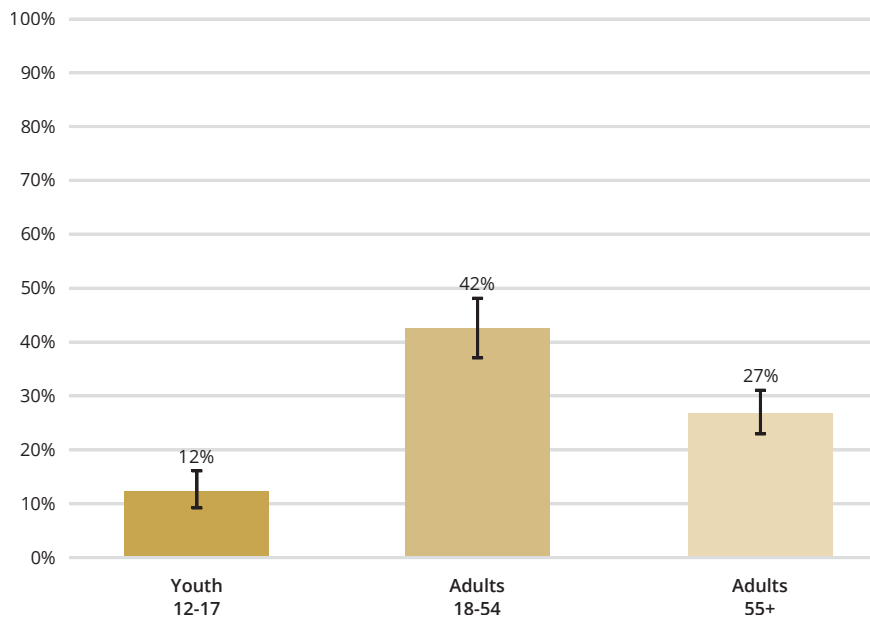


FIGURE 36
Percentage of youth and adults who currently smoke cigarettes by age group

Diabetes

Diabetes is a chronic disease caused when the body becomes unable to properly produce or use insulin, a hormone that controls sugar in the bloodstream. If not properly treated, diabetes can result in serious complications. There are two types of diabetes: Type 1, which is mainly caused by genetics, and Type 2, which is more commonly seen in people who are overweight or obese or physically inactive [132]. The survey did not ask participants to specify whether they had Type 1 or Type 2 diabetes. We acknowledge that this is a limitation but since the Public Health Agency of Canada estimates that 90% to 95% of all diabetes cases are Type 2, compared to 5% to 10% that are Type 1, we can assume that most cases of diabetes are Type 2 [132].

Diabetes has not always been a health issue for First Nations in BC. Historically, healthy traditional diets and active lifestyles sustained generations over thousands of years and prevented many chronic diseases [133-135]. The drastic lifestyle and dietary changes resulting from colonialism have contributed to more cases of diabetes among First Nations peoples [133-135].

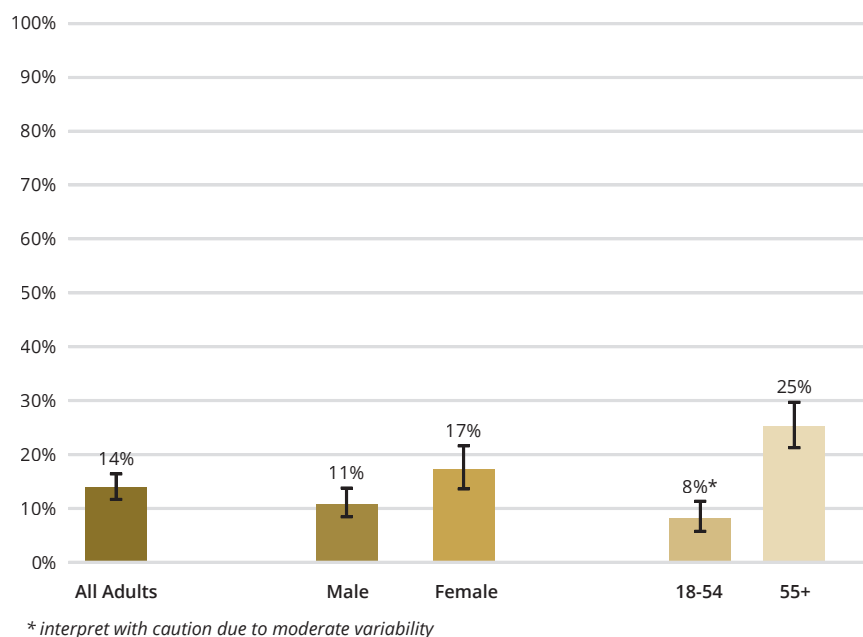
Recent Canada-wide survey data estimated that 10% of off-reserve and 17% of on-reserve First Nations peoples are living with diabetes [132]. Diabetes diagnoses have increased for all BC residents over the past 25 years. However, the gap between First Nations in BC and other residents has also grown, with more First Nations people being diagnosed with diabetes than other BC residents [79].

First Nations communities in BC are building on their traditional knowledge and strengths to support healthy lifestyles as a way of managing and preventing diabetes today and for future generations.

It is critical that First Nations people have access to culturally safe prevention, treatment and care for diabetes. The First Nations Act Now Initiative, produced by the FNHC, is a toolkit communities can use to design culturally appropriate programs aimed at changing the social, environmental and economic conditions that affect individual and family health and that potentially lead to chronic disease [54, 136].

FIGURE 37

Percentage of adults told by a health care professional that they have diabetes, by males and females and age group



Adults – Most adults (86%) in the IR said that they had not been diagnosed with diabetes and 14% said they had been diagnosed with diabetes (Figure 37). Age is a risk factor for diabetes and so a higher proportion of adults 55 and older (25%) have been diagnosed with diabetes than adults aged 18 to 54 (8%^{43*}). Many adults in the IR who have diabetes said it had affected the feeling in their hands and feet (34%), vision (32%) and/or circulation (32%).

Among the 14% of adults in the IR who self-reported diabetes, a majority (87%) said their diagnosis had led them to adopt a healthier lifestyle, including a good diet and/or exercise. Just over half (55%) of adults with diabetes were currently attending a diabetes clinic or seeing someone like a medical doctor or nurse for education about the condition. Additionally, 16%^{44*} said that they were using traditional methods (traditional medicine/ceremonies/healers) to manage their diabetes. Of those who were not attending a clinic, 53% felt they no longer required diabetes education.

THE FNHA'S CHIEF MEDICAL OFFICER, DR. EVAN ADAMS, RECOMMENDS SOME ACTIONS PEOPLE CAN TAKE TO REDUCE THEIR SUGAR INTAKE TO PREVENT AND CONTROL DIABETES [137]:

- FOLLOW TRADITIONAL HEALTH TEACHINGS.
- EAT REAL FOODS. TRADITIONAL FOODS ARE REAL FOODS.
- ENJOY PROTEIN, HEALTHY FATS AND FIBRE.
- DO WHAT YOU CAN TO REDUCE THE STRESS IN YOUR LIFE.
- DRINK LOTS OF WATER.
- BE PATIENT WITH YOURSELF AS YOU CREATE HEALTHY NEW HABITS.

43 * Interpret with caution due to moderate variability.

44 * Interpret with caution due to moderate variability.

Cancer

Historically, there has been a lack of knowledge about cancer diagnoses among First Nations, but recent research on cancer among First Nations in BC has provided new information. From 1993 to 2010, First Nations accounted for 1.2% of all cancer diagnoses in BC. Although this is a smaller percentage than might be expected given the proportion of First Nations in the province, First Nations individuals diagnosed with cancer may experience unique issues [138, 139]. First Nations have lower survival rates and higher prevalence of specific types of cancers (e.g., colorectal and cervical cancer) than non- First Nations [138]. Increased life expectancy may lead to more cancer diagnoses, as age is a risk factor for cancer [140, 141]. Potentially challenging effects of social determinants, like low income or education, may affect Indigenous peoples' ability to access cancer screening and prevention programs, which may lead to delays in cancer diagnosis and an increase in deaths due to cancer [140].

Barriers to care, including limited access in rural and remote areas and costs related to accessing health care, as well as systemic racism and unresolved trauma, prevent First Nations in BC from timely access to cancer screening and treatment [138]. Preventing cancer, detecting it early and promoting cultural safety and humility in cancer care are key to longer, healthier lives for First Nations in BC affected by cancer [142]. Traditional medicines and mainstream health services are both important parts of many cancer journeys [143]. Incorporating cultural safety and humility in the health care system is important within the entire journey of cancer care, from prevention to treatment [142].

Cancer Prevalence

Five per cent of adults in the IR said they had been diagnosed with cancer.

Cancer Screening

Screening programs help detect cancer before symptoms appear [142]. Early detection and treatment have a major impact on health and survival. BC's screening programs focus on colon, cervical and breast cancer [142]. The intimacy of these tests can prevent some people from choosing to be screened for cancer, especially those who are survivors of sexual abuse [144]. Screening programs should be both culturally safe and trauma informed and health providers must be sensitive that some First Nations people may fear or mistrust these tests because of the legacy of residential schools and other adversities [16, 142].

Breast cancer

Adults – It is recommended that females get screened for breast cancer by having a mammogram every two years if they are between the ages of 50 and 74. Women at a higher risk of breast cancer must be screened more often and at younger ages. Mammograms can usually find lumps two or three years before they can be felt [145, 146]. Among IR participants in the RHS, just over half of females (54%) aged 50 to 75 had a mammogram screening within the past two years.

Cervical cancer

Adults – First Nations females in BC are nearly twice as likely as other females in BC to be diagnosed with cervical cancer [138]. Cervical cancer is highly treatable if caught early. BC Cancer recommends females between the ages of 25 and 69 have a pap smear every three years to support early detection and treatment [147]. Almost seven in 10 (67%) females aged 25 to 69 in the IR had a pap smear within the past three years as recommended.

Colorectal cancer

Adults – Risk of colorectal cancer is higher among First Nations in BC compared to other BC residents [138]. However, early screening can identify and remove precancerous growths, contributing to an approximately 90% survival rate among those diagnosed with colorectal cancer [148]. Screening is recommended every two years for males and females aged 50 to 74 [149]. Within this age group, 37% of adults in the IR had been screened for colorectal cancer in the past two years.⁴⁵

Prostate cancer

Adults – Prostate cancers are lower among First Nations males in BC than other male residents, though First Nations males are more likely to have poorer outcomes [138]. The RHS found that half (51%) of males in the IR between the ages of 50 and 69 had been screened. It is unusual for prostate cancer to be diagnosed in males under 50 years of age [152]. It is important to note however, that screening is not recommended on a routine basis for the general population [150, 151]. The BC Cancer Agency recommends that males maintain a healthy weight through diet and exercise to prevent prostate cancer [152].

⁴⁵ Includes fecal occult blood test, sigmoidoscopy, and colonoscopy. Note that these specific tests may not be reflective of current screening guidelines.

Delegates at Gathering Wisdom IX support early cancer screening.



Injury

Preventing and reducing injury is an important priority for First Nations in BC [71, 153]. Hospitalizations due to injury have been decreasing over the past 30 years and injury gaps between First Nations and other BC residents have narrowed [154]. However, First Nations people working in high-risk jobs and living in remote areas or in crowded or inadequate housing remain at risk [155]. In contrast, higher income and education have been linked with a lower likelihood of injury [155]. Preventing injuries can allow First Nations in BC to stay active longer, contributing to overall wellness and healthy aging.

Participants were asked whether they had experienced an injury serious enough to limit their normal activities the next day, such as a broken bone, bad cut, burn or sprain. They also answered questions about the type and cause of the injury.

Adults – One-quarter (26%) of adults in the IR said they had been injured in the past year. Younger adults (30%) were more likely to have been injured than adults 55 and older (18%; Figure 38). Twenty-eight per cent of these injuries were major sprains or strains, 24% were broken bones and 48% were other injuries. Results for both adult age groups are shown in Figure 38. Of the injuries reported among all adults, these included broken or fractured bones (28%^{46*}), minor injuries such as scrapes, bruises or blisters (18%) and sprains or strains (10%^{47*}).

Youth – Among youth, 45% said they had been injured seriously enough in the past year to limit their normal activities the next day. Other research found that 32% of Aboriginal youth attending school in BC had been injured seriously enough to require medical attention in the past year [46].

Children – In the IR, 18% of children were reported to have been injured in the past year (Figure 38). Over one-third (38%) of these injuries were caused by a fall.

46 * Interpret with caution due to moderate variability.

47 * Interpret with caution due to moderate variability.

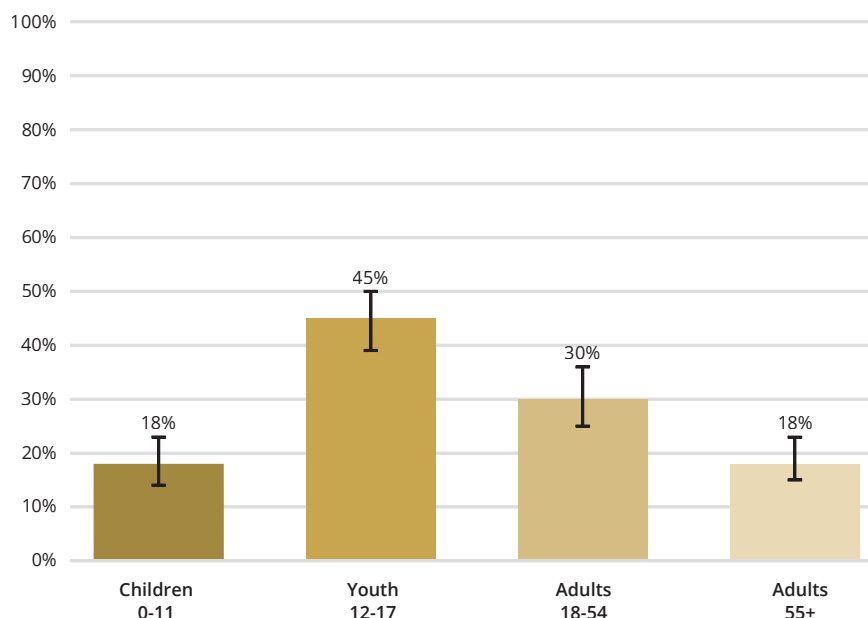


FIGURE 38
Percentage of participants injured in the past year by age group





PRIMARY HEALTH CARE ACCESS AND USE

Many First Nations people in BC seek mainstream health care services when they are unwell. However, First Nations people face persistent inequity when seeking appropriate health services [6, 23, 156, 157].

Since 2013, responsibilities for health governance, programs and services for First Nations in BC have been transferred to the FNHA. These programs and services include healthy living programs to prevent disease; maternal, child and family health services; and mental wellness support.⁴⁸

⁴⁸ A compendium of programs and services provided by the FNHA is available at: http://www.fnha.ca/Documents/FNHA_Programs_Compendium.pdf

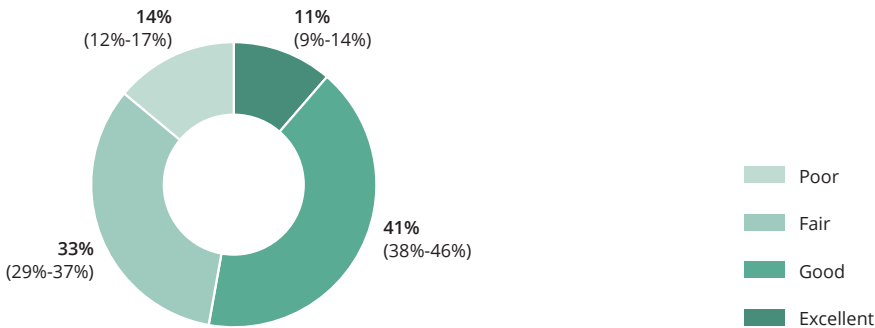
Guided by the 7 Directives, the FNHA has begun to transform the way health care is delivered in the province to improve the health of First Nations peoples and reduce inequities in health care access [158]. The RHS data collected by the FNHA is essential for identifying barriers to care to facilitate improving access to health care and wellness services for First Nations living on-reserve in BC. The recent expansion of the PharmaCare program for First Nations in BC is an example of how barriers to health and wellness are being addressed. The FNHA is also working to improve the quality of health services for First Nations in BC. The First Nations Quality Improvement and Safety (QIS) Network, overseen by the FNHA Community Accreditation and Quality Improvement Program, was established to support this goal [159].

Efforts to embed cultural safety and humility into the health care system are underway, although it will take time to see their impact reflected in the RHS. BC's health leaders have signed commitments asserting that First Nations peoples have a right to access health care free of racism and discrimination and to feel safe accessing health care [160]. The ultimate goal is a future where First Nations peoples have a new relationship with their care providers based on mutual respect, understanding and reciprocal accountability [161].

Quality

Adults – Just over half of adults rated the quality of health care services in their community as good (42%) or excellent (11%; Figure 39). Notably, females (20%) were more likely than males (9%) to rate the health services as poor. Cultural safety and trusting relationships with care providers are key to the quality of health care experiences [162]. Positive relationships that shift the power balance in clinical settings can renew confidence in the health care system.

FIGURE 39
How adults rated the quality of health care services available in their community



Access and Health Needs

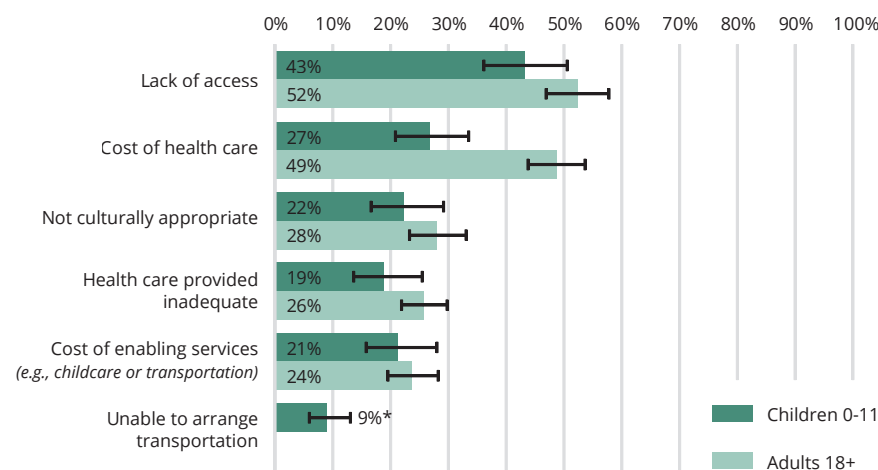
Adults and children – Three-quarters (73%) of adults in the IR said they required health care from a doctor, nurse or other health professional in the past year. Among these adults, 18% felt they did not receive all the care they needed. Six in 10 children (61%) required health services from a doctor, nurse or other health professional in the past year and 6%^{49*} of these children were reported to have not received all the care they needed.

The adults who received health care in the past year said they faced a range of barriers to receiving care. These included lack of access (52%); costs of services not covered by insurance (49%); culturally inappropriate care (28%); inadequate health care (26%); costs of services enabling them to get care such as childcare or transportation (24%); and an inability to arrange transportation (20%) (Figure 40).

Children in the IR were reported to have faced similar barriers as adults at somewhat lower proportions (Figure 40). To ensure the health care needs of First Nations children are met, Jordan's Principle must be implemented across the province. Jordan's Principle states that First Nations children and youth between the ages of 0 and 19 must receive the public care and services they need when they are needed and that any disputes between different levels of government or government agencies about who should pay for care be resolved later [2, 163].

Reducing barriers to First Nations health care ensures that individuals receive the needed care and feel respected when they reach out to the health care system. Barriers to care could prevent or delay care when it is most needed. For example, according to a BC Coroners' Service and FNHA report, many First Nations youth and adults who died unexpectedly from 2010-15 faced barriers when they sought care and approximately half of those with mental health concerns who died unexpectedly had received mental health support and services [118]. Accessible, culturally safe and trauma-informed services can address health concerns as they arise.

49 * Interpret with caution due to moderate variability.



* interpret with caution due to moderate variability

FIGURE 40

Barriers children and adults faced when accessing health care in the last year



Limitations Due to Long-Term Conditions

Long-term conditions can limit daily life activities. This includes physical conditions, mental conditions or other health problems that have lasted (or are expected to last) six months or more. Among First Nations adults in IR with long-term conditions, the following difficulties were identified:

- **Communication:** 20% always or often had communication difficulties. Adults 55 and older (28%) were more likely than adults aged 18 to 54 (16%) to report this limitation always or often. Examples of communication difficulties include challenges reading a newspaper or hearing a normal conversation.
- **Physical:** 18% always or often had physical limitations. This was true for more adults 55 and older (31%) than adults 18 to 54 (11%⁵⁰). Physical difficulties may prevent an individual from being able to climb a flight of stairs or pick something up from the floor.
- **Cognitive:** 12% always or often had cognitive difficulties. Examples of cognitive difficulties include challenges remembering, learning or concentrating.

50 * Interpret with caution due to moderate variability.



Assisted Living and Supportive Care

First Nations people of all ages sometimes require care in their homes and communities as a result of disabilities or chronic or acute illnesses [164]. Providing care at home can reduce complications, death, time in hospital and costs and it can also increase patient and caregiver satisfaction [165].

Adults – Among adults who said they currently required home care support because of a physical or mental condition or health problem, the common areas in which they required additional support were home maintenance (11%), light housekeeping (7%), running errands (3%) and paying bills (3%^{51*}).

51 * Interpret with caution due to moderate variability.





CONCLUSION

First Nations peoples and communities in BC are resilient and this is reflected in their health and wellness across the province. The 2015-17 RHS shares several messages of optimism for communities when it comes to health and wellness determinants, health outcomes and health services. While challenges remain, the results from this survey show that First Nations people in BC are taking positive steps to live healthy lifestyles and that First Nations communities are championing initiatives that lead the journey to health and wellness.

For example, traditional wellness has been identified as an important priority and while the RHS showed that children and youth have supports within their communities to learn about culture, it is important to offer even more opportunities for them to learn about culture and maintain these traditions among future generations. The FNHA's Traditional Wellness and Strategic Framework provides a way forward to foster traditional wellness in First Nations communities and it advocates for increased resources and opportunities for this important area [39].

Mental health and emotional wellness also remain a high priority for First Nations communities and although most respondents said they generally had good mental health, work is still necessary to ensure that supports are accessible for the benefit of all First Nations people. The FNHA is supporting communities to promote mental wellness by acknowledging the impact of trauma and working towards addressing those impacts using training for mental health and wellness support workers.

Finally, while many respondents believed they received good or excellent health care over the past year, others reported barriers to health care services. Cultural humility and trauma-informed care resources, which are actively being developed and promoted, will support First Nations peoples to access sensitive health care, where they feel safe, respected and well cared for [99].

These are only some examples of initiatives addressing First Nations health and wellness priorities and are one part of a complex health and wellness journey. Communities are on this journey and are carving their own path that celebrates and strengthens their unique cultures. This regional report, in addition to the reports for each of the other four health regions in BC and the summary report for the entire province, returns health information back to communities to support self-determination in health. By reclaiming their voice, controlling their own health information and through First Nations-driven initiatives, communities have greater opportunities to support healthful lives into the future and foster strong future generations.



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Appendix A: Methods

Background

The RHS is a national survey led by the First Nations Information Governance Centre (FNIGC), a First Nations organization promoting First Nations information needs. The Code of Research Ethics for the RHS was approved by the First Nations Information Governance Committee [35].

An important foundation of the RHS is respect for the First Nations principles of Ownership, Control, Access and Possession of data (OCAP®). The FNHA is working with regions and communities to return the results (i.e., provincial and regional reports) in a good way while maintaining the data to enable further reporting and analysis of the information. FNHA and FNIGC have been designated by participating First Nations as knowledge keepers for the data obtained by the RHS. These two organizations are responsible for holding the data and facilitating its access on behalf of First Nations. The RHS information will be used according to agreements with participating First Nations and First Nations individuals and according to the principles of these organizations, in order to empower and enable First Nations communities to gain further control of their health.

The RHS has been conducted three times in BC (Phase 1 in 2002-2003, Phase 2 in 2008-2010 and now Phase 3 in 2015-17). Most of the questions in the current RHS (Phase 3) were also asked in Phase 1 and 2.

Sampling

The RHS process for selecting participants involved two stages. In **Stage 1: Community Selection**, BC First Nations communities were grouped by the five health regions: Fraser Salish Region (FSR), Interior Region (IR), Northern Region (NR), Vancouver Coastal Region (VCR) and Vancouver Island Region (VIR). In IR, FSR and VCR, all communities, regardless of size, were invited to participate. In the NR and VIR, communities with fewer than 75 members were excluded due to the cost and complexity of engaging those communities. In **Stage 2: Survey Participants**, individuals from selected communities were randomly selected using community membership lists. The number of members surveyed depended on the number of participants required to meet the sampling strategy. The sampling strategy was designed to enable results to be generalized to the whole on-reserve population at a 95% confidence level. Individuals were invited to participate and if they declined, a random substitute (same gender and age group) was surveyed in order to accurately represent First Nations communities within their demographic complexity.

Data Collection

Field supervisors and support staff were hired for each region and community navigators were hired from within each community, when possible. Data collectors helped administer the survey and individuals directly entered their responses to the survey on a computer. If individuals needed help, data collectors were available to provide assistance. Data collectors supported individuals to take the survey wherever they felt most comfortable (e.g., band office, health centre, home, etc.). Surveys were completed between December 2015 and March 2017. Participants filled out age-specific surveys: Child (0-11 years); Youth (12-17 years); and Adult (18+ years). Adults and youth filled out their own surveys and a parent or caregiver was asked to respond on behalf of children aged 0-11. Surveys covered a range of topics including but not limited to: mental health and wellness, primary health care, social determinants of health, traditional wellness, health status and health behaviours.

Indicator Selection

The scope of the survey was very wide with many questions, producing a substantial amount of data, beyond what is manageable to share in a single document. An indicator selection process was used to select questions that would be included in the RHS summary report. Regional and Nation representatives were engaged by FNHA to choose which major sections to address (i.e., Health Determinants, Health Status and Primary Care, Mental Health and Wellness). Within these major sections and beyond, these representatives identified and prioritized survey questions within each section. The areas of interest from each region were combined and the most frequently identified topics and questions were prioritized for inclusion in the reports.

Data Analysis

To ensure the data was representative of the entire population of on-reserve First Nations in BC, responses were weighted using age and gender. Estimated percentages and a 95% confidence interval (CI) are used to report results. The 95% CI tells us the range in which we can be 95% certain that the actual population value falls.

CIs are useful to compare results between groups (e.g., age and gender groups). When comparing results, if the CI ranges **do not overlap**, the two groups are statistically significantly different. If the CIs between groups for an indicator **do overlap**, we **cannot** say if the groups are statistically significantly different without conducting further analysis. In this report, further analysis was not completed and differences are only reported if the CIs do not overlap. The one exception to this is when comparisons were made between results between RHS survey cycles.

Data Quality

To ensure reported results represent a valuable estimate, the coefficient of variation of the estimate was examined.

When the coefficient of variation of an estimate is less than or equal to 16.6%, the confidence interval is comparatively narrow and the estimate can be used without restriction. Estimates with moderately high

coefficients of variation (between 16.7% and 33.3%) have wider confidence intervals, hence the true population value is estimated in a relatively wide range. These estimates were supplemented with an “*” in the results to indicate the high sampling variability associated with the estimate and that it should be interpreted with caution. Estimates with unacceptably high coefficients of variation (greater than 33.3%) have very wide confidence intervals and therefore the value could fall in a very wide band. These estimates were suppressed as conclusions based on these data will be unreliable and possibly invalid (denoted by an “***” within the graphics and tables). In addition, results of the analyses based on low cell counts (nine or fewer individuals) were suppressed to protect confidentiality (denoted by an “E” in the graphics and tables).

Questions that had 10% or greater “don’t know” or “refused” responses are viewed as unreliable and not reported. Dependent questions were also not reported.

Reporting

Sometimes comparisons are made between results from the current RHS and other reports or research. They are not directly comparable. They may involve a different population, such as urban Aboriginal people. Or they may use a slightly different way of measuring concepts, sampling, study design or conducting analyses. While they provide useful context, results will not be directly comparable.

Throughout the provincial report there are green boxes, comparing results from RHS Phase 1 (2002-03) to RHS Phase 3 (2015-17, the current phase) and RHS Phase 2 (2008-10) to RHS Phase 3 (2015-17). This analysis, comparing differences between RHS phases, was not performed at the regional level. Differences may be statistically significant; however, it is a matter of judgment whether these differences are practically important. Across graphs in this report, estimates for one category usually add to 100%, which reflects all responses. In some cases, this may add to slightly over (e.g., 101%) or slightly under (e.g., 99%) 100%. This is due to data rounding and estimates remain accurate.

Key Limitations

Although measures were taken to ensure that results speak to the whole province, there may be unique differences between communities that were not captured. Additionally, the RHS is voluntary. Selected communities and individuals could choose not to participate. These individuals may be different than those who participated.

Another data limitation is inherent reporting bias; for example, when participants choose a response that may be perceived as more “desirable” than what is true. This bias occurs within all survey research and is not unique to the RHS.

Depending on the number of surveys completed and the variability of responses, results may not be able to be reported due to low numbers or high coefficients of variation. Some regions had more surveys completed than others, enabling more complete reporting.



Appendix B: RESULTS

Appendix B contains a table that includes 95% confidence intervals for all of the results in the report.

The range indicated by a 95% confidence interval indicates the range that the true population value would fall within, with a 95% certainty. When we compare two groups, such as males and females, only if the confidence intervals do not overlap (include the same numbers), can we be sure that these groups are different.

Appendix B presents the 95% confidence intervals for all reported estimates and is available for download at www.fnha.ca/Documents/FNHA-Appendix-B-Table-of-RHS-Results-for-Interior-British-Columbia-2019.pdf.





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