

SCHOOL DISTRICT 46 SUNSHINE COAST

SCHOOL DISTRICT & COMMUNITY REPORT



2019/2020

ACKNOWLEDGEMENTS

We express our deep gratitude to the x^wməØk^wəýəm (Musqueam) Nation for the privilege of working on their traditional, ancestral and unceded territory at the Point Grey Campus of the University of British Columbia.

The Middle Years Development Instrument (MDI) project is made possible with funding from BC school districts and school boards across the country. We would like to thank and acknowledge all participating school districts for their support of and collaboration towards this project.

We are grateful to the teachers, education staff and school administrators who work directly with us to gather and use our reports. This includes a commitment to training and completing questionnaires, engaging with students, parents and caregivers and using HELP's data and research in schools, districts and communities. We also extend our warmest appreciation to the students who take the time to share their experiences with us. Thank you.

We would also like to acknowledge the United Way of the Lower Mainland, the Max Bell Foundation and the McConnell Foundation for their contributions and continued support towards the MDI research project.

HELP would like to acknowledge the exceptional support we have received since 2001 from the Ministries of Children and Family Development, Education and Health. This investment has enabled the expansion of HELP's unique child development monitoring system that supports high quality, evidence-informed decisions on behalf of children and their families.

DR. KIMBERLY SCHONERT-REICHL

HELP's Middle Years research is led by Dr. Kimberly Schonert-Reichl. HELP acknowledges Dr. Schonert-Reichl for her leadership and expertise in social and emotional development research, her dedication to exploring children's experiences in the middle years and for raising the profile of children's voices, locally and internationally.

ABOUT THE HUMAN FARLY I FARNING PARTNERSHIP

The Human Early Learning Partnership (HELP) is an interdisciplinary research institute based at the School of Population and Public Health, Faculty of Medicine, at the University of British Columbia. HELP's unique partnership brings together researchers and practitioners from across BC, Canada and internationally to address complex child development issues. HELP's research projects explore how different environments and experiences contribute to health and social inequities in children's development over their life course.

The institute was founded by Drs. Clyde Hertzman and Hillel Goelman in 1999. Clyde's vision for HELP was to advance knowledge about child development and importantly, to apply this knowledge in communities. This report, and the work of HELP over two decades, would not have been possible without his vision and passion.

To learn more please visit our website at earlylearning.ubc.ca/).

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INTRODUCTION TO THE MDI

WHY THE MIDDLE YEARS MATTER

Experiences in the middle years, especially between the ages of 10 to 13, have critical and long lasting effects. They are powerful predictors of adolescent adjustment and future success. During this time, children are experiencing significant cognitive, social and emotional changes that establish their lifelong identity and set the stage for adolescence and adulthood. The overall health and wellbeing of children in their middle years affects their ability to concentrate and learn, develop and maintain friendships and make thoughtful decisions.

During the late middle childhood years (also referred to as early adolescence), children have an increased awareness of themselves and others. During middle childhood they are developing ideas about how they may or may not "fit in" to their social and academic environments (Rubin et al., 2006). These ideas have the power to either promote health and academic achievement or lead to negative outcomes such as depression and anxiety in adulthood (Jacobs et al., 2008). Although middle childhood is a time of risk, it is also a time of opportunity. There is mounting evidence to suggest that positive relationships to adults and peers during this critical time act to increase a child's resiliency and school and life success.

WHAT IS THE MIDDLE YEARS DEVELOPMENT INSTRUMENT?

The Middle Years Development Instrument (MDI) is a self-report questionnaire that asks children in Grade 4 and Grade 7 about their thoughts, feelings and experiences in school and in the community. It is a unique and comprehensive questionnaire that helps us gain a deeper understanding of how children are doing at this stage in their lives. Researchers working at the Human Early Learning Partnership (HELP) are using results to learn more about children's social-emotional health and well-being. In addition, the MDI is being used across sectors to support collaboration and inform policy and practice.

The MDI uses a strengths-based approach to assess five areas of development that are strongly linked to well-being, health and academic achievement. In addition, the MDI focuses on highlighting the promotive and protective factors and assets that are known to support and optimize development in middle childhood. These areas are: Social and Emotional Development, Physical Health and Well-Being, Connectedness, Use of After-School Time and School Experiences. Each of these dimensions is made up of several measures. Each measure is made up of one or more individual questions.

Combining select measures from the MDI helps us paint a more comprehensive portrait of children's overall well-being and the assets that contribute to their healthy development. The results for key MDI measures are summarized by two indices: The Well-Being Index and the Assets Index.

The following illustrates the relationship between MDI dimensions and measures, and highlights which measures contribute to the Well-Being and Assets Indices.

MDI DIMENSIONS & MEASURES

- A measure in the Well-Being Index
- A measure in the Assets Index
- A measure in the Grade 7 MDI only



SOCIAL & EMOTIONAL DEVELOPMENT

Measures

o Optimism **Empathy**

Prosocial Behaviour Self-Esteem

Happiness

Absence of Sadness

Absence of Worries Self-Regulation (Short-Term)

Self-Regulation (Long-Term)

*Responsible Decision-Making

*Self-Awareness

*Perseverance

*Assertiveness

*Citizenship/Social Responsibility



PHYSICAL HEALTH AND WELL-BEING

Measures

General Health

Eating Breakfast

Meals at Home with Your Family Junk Food

Frequency of Good Sleep

Help-Seeking for Emotional Well-

Transportation To and From

School

Important Adults



CONNECTEDNESS

Measures

Adults at School

Adults in the Neighbourhood Adults at Home

Peer Belonging

Friendship Intimacy



USE OF AFTER-SCHOOL TIME

Measures

Organized Activities

o Educational Lessons or Activities

Youth Organizations

Sports

Music or Arts

How Children Spend their Time After-school People/Places

Children's Wishes and Barriers



SCHOOL EXPERIENCES

Measures

Academic Self-Concept School Climate

School Belonging Motivation

Future Goals

Victimization and Bullying

For more information on all of the measures, including questions, response options and scoring for the MDI results found in this report, please refer to the MDI Technical Guide (https://bit.ly/mdi-technical-guide-v1). For additional resources visit, the Discover MDI Field Guide (http://www.discovermdi.ca).

CONNECTING THE MDI WITH THE PERSONAL AND SOCIAL COMPETENCIES OF THE BC CURRICULUM

Your MDI data provide a unique approach to understanding children's social and emotional development and well-being in relation to the <u>BC Ministry of Education's Personal and Social Competencies (http://curriculum.gov.bc.ca/competencies)</u>.

Areas measured by the MDI reflect facets of the "Personal and Social Competency" domain of BC's Redesigned Curriculum, providing valuable information for understanding children's growth and progress within this core competency. The MDI questions provide an opportunity for students to self-assess and reflect on their social and personal competency, including reflecting on MDI concepts, questions and results.



PERSONAL & SOCIAL COMPETENCIES

Positive Personal & Cultural Identity

Related MDI Measures:

- Connectedness to Adults at Home, School and Community
- Peer Belonging
- Friendship Intimacy
- Empathy
- School Belonging
- School Climate
- Self-Esteem
- Academic Self-Concept
- Importance of Grades
- Friends & Learning
- Self-Awareness
- Perseverance
- Responsible Decision-Making

Personal Awareness & Responsibility

Related MDI Measures:

- Academic Self-Concept
- Self-Esteem
- Self-Regulation
- General Health
- Optimism
- Self-Awareness
- Perseverance
- Responsible Decision-Making
- Assertiveness
- Use of After-School Time

Social Responsibility

Related MDI Measures:

- Citizenship and Social Responsibility
- Prosocial Behaviour
- Empathy
- School Climate
- Connectedness to Adults at School
- Connectedness to Peers
- Self-Regulation
- Assertiveness

ABOUT THIS REPORT

Important Message About 2019-2020 MDI Result

In 2018-2019, MDI data collection was moved from November to January/February in response to requests from MDI school districts, and this may have had an influence on a range of MDI measures. Please don't hesitate to contact the MDI team at mdi@help.ubc.ca if you have any questions about your MDI results.

HOW THE RESULTS ARE REPORTED

School district data in this report includes all children who participated within the public school district in 2019/2020. School district data is compared to the average for all districts, which includes children from all participating public school districts and any independent schools.

Districts with large populations contribute more in computing the average for all districts than districts with smaller populations. Results for large districts tend to be closer to the average for all districts. Please see the table below for a list of participating districts, and note that the average is based on participating districts and does not represent all school districts in the entire province.

Where school districts or neighbourhoods contain fewer than 35 children, the results are suppressed. The data in this report have been rounded. Many questions on the MDI allow children to provide multiple responses. Totals for some measures and questions may not equal 100%.

#	School District	# of Children	Participation Rate
5	Southeast Kootenay	424	91%
10	Arrow Lakes	26	76%
19	Revelstoke	64	93%
33	Chilliwack	901	88%
34	Abbotsford	1,167	76%
37	Delta	816	72%
40	New Westminster	450	87%
42	Maple Ridge-Pitt Meadows	1,025	90%
43	Coquitlam	1,873	83%
46	Sunshine Coast	196	78%
47	Powell River	124	60%
49	Central Coast	14	54%
50	Haida Gwaii	33	100%
51	Boundary	90	91%
52	Prince Rupert	130	81%
53	Okanagan Similkameen	126	86%
67	Okanagan Skaha	347	87%
70	Alberni	253	85%
71	Comox Valley	525	74%

#	School District	# of Children	Participation Rate
72	Campbell River	343	86%
78	Fraser-Cascade	94	78%
83	North Okanagan-Shuswap	488	92%
84	Vancouver Island West	28	80%
91	Nechako Lakes	219	79%
93	Conseil scolaire francophone de la Colombie-Britannique	470	78%
	Independent Schools	76	
	Total	10,302	

2019/2020 RESULTS FOR SUNSHINE COAST

DEMOGRAPHICS

Population		Gender Identity	
Total Sample	196	Boys	48%
Participation Rate	78%	Girls	52%
		In Another Way	<5 Children

A note on how we are asking about gender identity

In the 2017/18 school year, for the first time, children were able to describe *themselves* through choices that included: "boy," "girl" or "in another way."

Following a review of the responses, this question was refined in the 2018/19 school year to instruct children to describe their *gender* as "boy," "girl" or, if they see themselves "in another way," to describe their gender using their own words. This question may continue to evolve.

Languages Spoken at Home

First Nations, Inuit or Métis	3%	Mandarin	1%
Cantonese	1%	Punjabi	1%
English	96%	Spanish	2%
French	5%	Filipino/Tagalog	1%
Hindi	0%	Vietnamese	1%
Japanese	1%	Other	5%
Korean	1%		

Total Sample: Refers to the total number (#) of children represented in this report. Children are included in the sample if they complete a question and the data are reported.

Participation Rate: Refers to the percentage of the Grade 4 population that participated in the MDI survey this year.

Gender Identity: Children are asked to describe themselves as "Boy," "Girl" or "In another way." Children may choose not to answer the question at all. Children are able to select more than one response and therefore, in some cases, percentages may not add to 100%. Data are suppressed where fewer than 5 children selected the response.

Languages Spoken at Home: Children are able to select more than one language spoken at home.

First Nations, Inuit or Métis Languages: If a child selects "First Nations, Inuit or Métis" as a language spoken in the home, they are then asked to identify, if possible, the specific language. First Nations, Inuit or Métis language data are not publicly available.

Other: A limited selection of languages is offered on the MDI questionnaire. The "Other" category gives children an opportunity to enter their own response(s).

WELL-BEING & ASSETS INDICES

Combining select measures from the MDI helps us paint a more comprehensive portrait of children's overall well-being and the assets that contribute to their healthy development. The results for key MDI measures are summarized by two indices. This section of the report focuses on results for the Well-Being Index and the Assets Index. Learn more about the important relationship between individual measures, the well-being index and the assets index in the <u>Discover MDI Field Guide (http://www.discovermdi.ca/understanding-the-mdi/mdi-data/data-primer/)</u>.

WELL-BEING INDEX

The Well-Being Index combines MDI measures relating to children's physical health and social and emotional development that are of critical importance during the middle years. These are: Optimism, Happiness, Self-Esteem, Absence of Sadness and General Health.

Scores from these five measures are combined and reported by three categories of well-being, providing a holistic summary of children's mental and physical health.

MEASURES

Optimism
Happiness
Self-Esteem
Absence of Sadness
General Health



High Well-Being (Thriving)
Children who score in the high range on at least 4 of the 5 measures of well-being and have no low-range scores.



Medium Well-Being
Children who score in the high
range on fewer than 4 of the 5

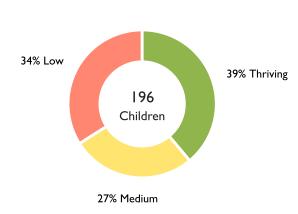
range on fewer than 4 of the 5 measures of well-being, and have no low-range scores.



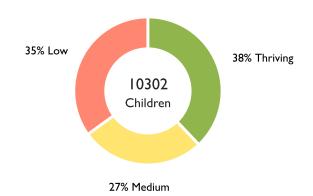
Low Well-Being Children who score in the low range on at least 1 of the 5

measures of well-being.

SUNSHINE COAST



ALL PARTICIPATING DISTRICTS



ASSETS INDEX

The Assets Index combines MDI measures that highlight four key assets that help to promote children's positive development and well-being. Assets are positive experiences, relationships or behaviours present in children's lives. Assets are considered actionable, meaning that schools and communities can focus their efforts in these areas to create the conditions and contexts where children can thrive.

Note: School Experiences are also considered to be an asset that contribute to children's well-being; however, this asset is not reported as part of the Assets Index to prevent the ranking of individual schools or sites. Please refer to the School Climate and Bullying and Victimization measures for data related to this asset.



ADULT RELATIONSHIPS
Adults at School
Adults in the Neighbourhood
Adults at Home



PEER RELATIONSHIPS
Peer Belonging
Friendship Intimacy



NUTRITION & SLEEP
Eating Breakfast
Meals at Home with Your
Family
Frequency of Good Sleep



AFTER-SCHOOL ACTIVITIES
Organized Activities

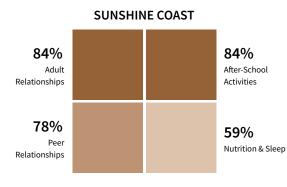
Percentage of children reporting the presence of an asset

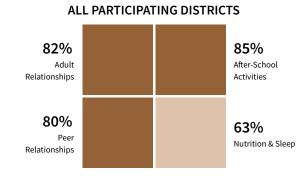










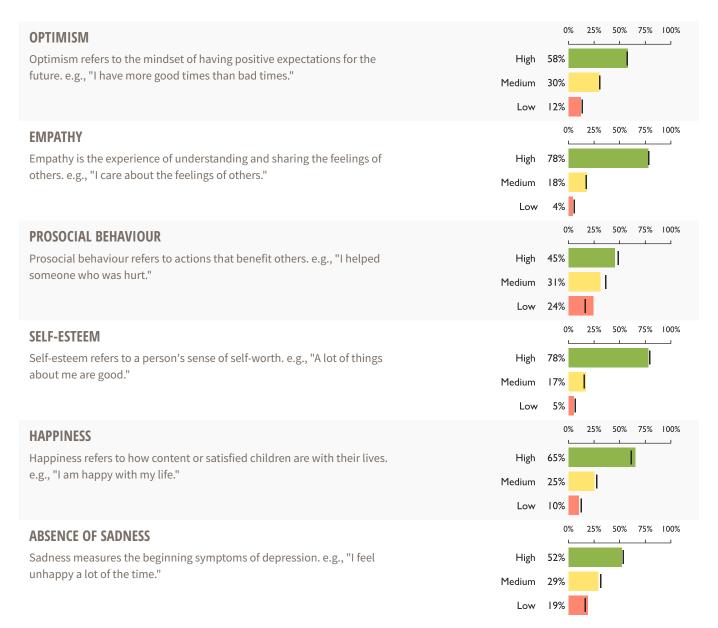


The development of social and emotional skills, including empathy, optimism and self-esteem, are important for supporting positive mental health during middle childhood and at all ages to follow. These skills help children understand and manage their emotions, build and maintain positive relationships, and regulate their own behaviour. Opportunities to develop social and emotional skills can be created in many supportive environments: at school with teachers and peers, in the home with elders, family or caregivers and during after-school programs with community members.

Detailed information on the MDI survey questions and response scales for Social and Emotional Development are available in the <u>Discover MDI Field Guide (http://discovermdi.ca/making-sense/social-emotional-development)</u>.

RESULTS FOR SUNSHINE COAST

| Average for all Districts



ABSENCE OF WORRIES

Worries measure the beginning symptoms of anxiety. e.g., "I worry a lot that

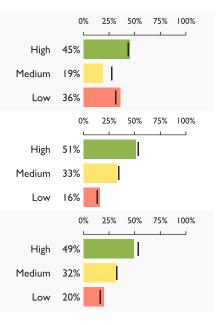
other people might not like me."

SELF-REGULATION (LONG-TERM)

Long-term self-regulation requires adapting present behaviour to achieve a goal in the future. e.g., "If something isn't going according to my plans, I change my actions to try and reach my goal."

SELF-REGULATION (SHORT-TERM)

Short-term self-regulation is about impulse control. It requires adapting behaviour or emotions to meet an immediate goal. e.g., "I can calm myself down when I'm excited or upset."



RESEARCH HIGHLIGHTS

SOCIAL AND EMOTIONAL DEVELOPMENT

Social and emotional competencies include children's ability to recognize, understand, and effectively respond to emotions, manage stress and be optimistic. They also include showing concern for others, sustaining healthy relationships and making effective personal and social decisions (Weissberg, Durlak, Domitrovitch, & Gullota, 2015).

Middle childhood is an important time for promoting self-regulation and problem-solving strategies to help children persevere in the face of obstacles and setbacks. Related skills and strategies learned during $middle\ childhood\ tend\ to\ stick\ with\ children\ throughout$ the rest of their lives (Skinner et al., 2016).

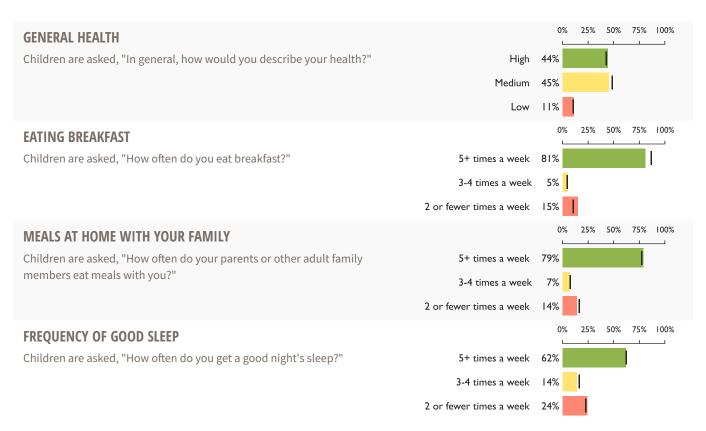
A Vancouver-based study asked Grade 10 children to volunteer 1-1.5 hours per week with elementary school children. After 10 weeks researchers found participants had significantly decreased their risk for cardiovascular disease. The greatest health benefits were seen in adolescents who displayed the highest self-report measures of empathy (Schreier, Schonert-Reichl, & Chen, 2013).

Promoting children's physical health and well-being in the middle years lays the foundation for a healthy life. Children who report feeling healthy are more likely to be engaged in school, have a feeling of connectedness with their teachers and are less likely to be bullied or bully others. Children benefit from guidance and opportunities that support the development of healthy habits, which they can carry forward into adolescence and adulthood. These habits include regular physical activity, quality sleep and healthy, social meals.

Detailed information on the MDI survey questions and response scales for Physical Health and Well-Being are available in the <u>Discover MDI Field Guide (http://www.discovermdi.ca/understanding-the-mdi/dimensions/physical-health-well-being)</u>.

RESULTS FOR SUNSHINE COAST

Average for all Districts



WHAT TIME DO YOU USUALLY GO TO BED DURING THE WEEKDAYS?



HOW OFTEN DO YOU EAT FOOD LIKE POP, CANDY, POTATO CHIPS, OR SOMETHING ELSE?







WHO WOULD YOU TALK TO IF YOU WERE FEELING SAD, STRESSED, OR WORRIED?

Examples provided include a teacher, school counselor, parent, grandparent, older sibling or cousin, elder, after-school program staff, doctor, nurse etc. (Children can select all of the options that apply; therefore, percentages may not total 100%.)

An adult at school	33%
A family member	85%
An adult in my community	16%
A health professional	21%
My friend(s)	57%
Don't know who to talk to	5%
Prefer to handle it on my own	16%
Talk to someone else (someone not on this list)	10%

TRANSPORTATION TO AND FROM SCHOOL

Children are asked, "How do you usually get to school?"; "How do you usually get home from school?" and "If you could choose, how would you wish to get to and from school?"

	To School	From School	Wish
Car	43%	36%	29%
School bus	33%	40%	16%
Public transportation (public bus, train or ferry)	0%	0%	3%
Walk	18%	19%	19%
Cycle, skateboard, scooter or rollerblade	3%	3%	20%
Something else	3%	3%	13%



RESEARCH HIGHLIGHTS

PHYSICAL HEALTH & WELL-BEING

Eating meals together as a family often is related to increased self-esteem and school success, and decreased chance of eating disorders, substance abuse, violent behaviour and symptoms of depression (Harrison et al., 2015).

Children ages 5 to 13 need 9–11 hours of uninterrupted sleep a night (Hirshkowitz et al., 2015). When children do not get enough sleep they are more likely to have troubles at school, be involved in family disagreements and display symptoms of depression (Smaldone, Honig, & Byrne, 2007).

Because of changes in the brain that take place around the time of puberty, children are more strongly attracted to junk foods that contain high amounts of fat and sugar than adults (Reichelt, 2016).



Strong and supportive social connections play an important role in children's healthy development. Close relationships and a sense of belonging with adults and peers at home, in school and in the community, can promote positive mental health and minimize risks that may be present in children's lives.

Having one adult, such as a parent or auntie, an elder or a coach, who cares about them, listens to them and believes in them can make a powerful difference in a child's life. For children, connectedness to extended family, community, as well as land, language and culture also play an important role in encouraging a strong and healthy sense of identity.

Detailed information on the MDI survey questions and response scales for Connectedness is available in the <u>Discover MDI Field Guide</u> (http://discovermdi.ca/making-sense/connectedness).

RESULTS FOR SUNSHINE COAST

| Average for all Districts

CONNECTEDNESS WITH ADULTS

ADULTS AT SCHOOL

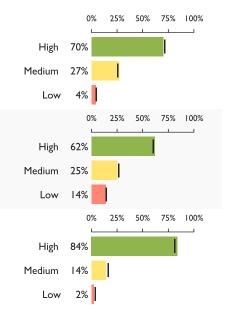
Assesses the quality of relationships children have with the adults they interact with at school. e.g., "At my school there is an adult who believes I will be a success."

ADULTS IN THE NEIGHBOURHOOD/COMMUNITY

Assesses the quality of relationships children have with the adults they interact with in their neighbourhood or community. e.g., "In my neighbourhood/community there is an adult who really cares about me."

ADULTS AT HOME

Assesses the quality of relationships children have with the adults in their home. e.g., "In my home there is a parent or other adult who listens to me when I have something to say."



NUMBER OF IMPORTANT ADULTS AT SCHOOL







Average for all Districts

In 2018-2019, the 'Number of Important Adults at School' question appeared differently on the online questionnaire as compared to previous years and the current reports (2019-2020). We caution direct comparisons of the 2018-2019 'Number of Important Adults at School' question to previous years and to this report. We recommend you read our Data Highlights and Trends 2019-2020 report (https://bit.ly/2019-20-mdi-data-trends) for more information as you interpret the 'Number of Important Adults at School' data this year.

CONNECTEDNESS WITH PEERS

PEER BELONGING

Measures children's feelings of belonging to a social group. e.g., "When I am with other kids my age, I feel I belong."

25% 50% 75% 100% High Medium 27% Low 15% 25% 50% 75% 100% High Medium

FRIENDSHIP INTIMACY

Assesses the quality of relationships children have with their peers. e.g., "I have a friend I can tell everything to."



RESEARCH HIGHLIGHTS CONNECTEDNESS

Children who do not feel part of a group or feel cast out by their own group are at risk of anxiety and depression. They are also at higher risk of low school attendance and future school drop-out (Veiga et al., 2014).

Strong social connections in adolescence are a better predictor of well-being in adulthood than their academic achievement (Olsson, 2013).

school years, a nurturing and caring relationship with a classroom teacher is vital. Connections with warm and accepting teachers enhance emotional well-being, increase motivation, engagement and success in school for children in early adolescence. They are also buffers for children who are experiencing mental health problems (Oberle, 2018).

For younger students during elementary and middle

Social competencies and friendship-building skills can buffer children against bullying, anxiety and depression (Guhn et al., 2013).

Participation in activities after school provides important developmental experiences for children in their middle years. These activities create a variety of opportunities for children to build relationship skills and gain competencies. Research has consistently found that children who are engaged in after-school activities are more likely to experience greater academic and social success.

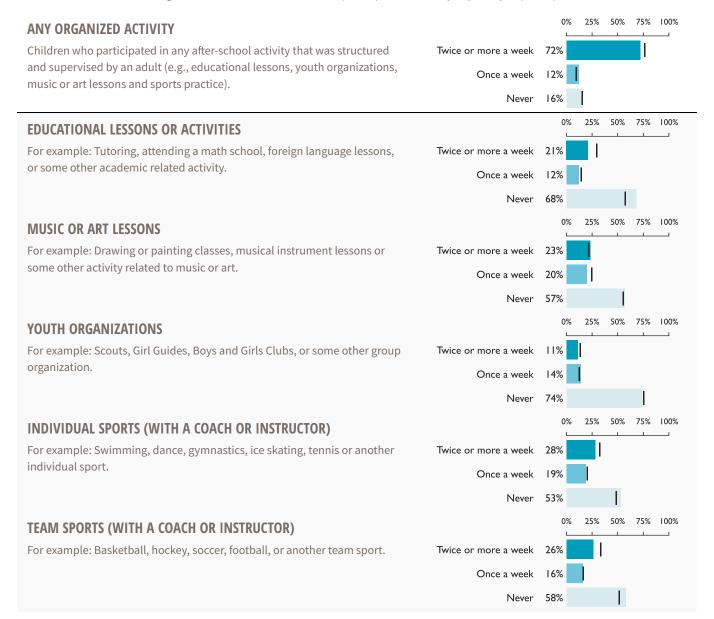
Detailed information on the MDI survey questions and response scales for Use of After-School Time is available in the <u>Discover MDI Field Guide (http://discovermdi.ca/making-sense/after-school-time)</u>.

RESULTS FOR SUNSHINE COAST

| Average for all Districts

AFTER-SCHOOL ACTIVITIES

Children were asked, "During the last week after school (from 3 pm - 6 pm), how many days did you participate in?":



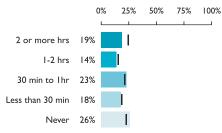
HOW CHILDREN SPEND THEIR TIME

Children were asked how they spend their time during the after-school hours of 3 pm - 6 pm:

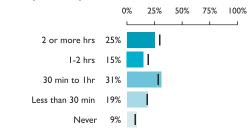
Percentage of children who reported:

COMPUTER USE & TV

VIDEO OR COMPUTER GAMES

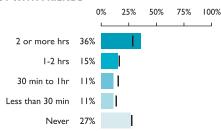


WATCH TV, NETFLIX, YOUTUBE OR SOMETHING ELSE

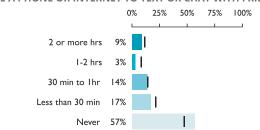


SOCIALIZING WITH FRIENDS

HANG OUT WITH FRIENDS

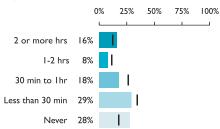


USE A PHONE OR INTERNET TO TEXT OR CHAT WITH FRIENDS

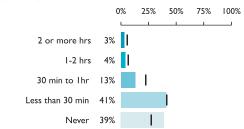


READING & HOMEWORK

READ FOR FUN

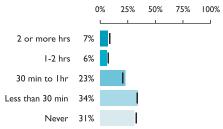


DO HOMEWORK

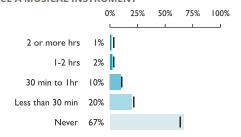


ARTS & MUSIC

ARTS & CRAFTS

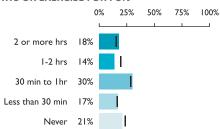


PRACTICE A MUSICAL INSTRUMENT



SPORTS

PLAY SPORTS OR EXERCISE FOR FUN



WHAT CHILDREN WISH TO BE DOING



Children were asked what they want to be doing during the after-school hours of 3 pm - 6 pm:

I am already doing the activities I want to be doing

75%

I wish I could do additional activities

35%

I am doing some of the activities I want, but I wish I could do more

10%

Children who answered that they wish to be doing additional activities were asked to identify one activity they wish they could do and where they would like to do it. Note: responses are grouped into categories for reporting purposes.

WISHES	(Number of Children)
Computer/Video Games/TV	8
Friends and playing	7
Physical and/or outdoor activities	32
Music and arts	7
Time with family at home	3
Free time/relaxing	2
Learning new things	4
Other	1

WHERE WOULD YOU LIKE THIS ACTIVITY TO BE?	(Number of Children)
Community Centre	10
Home	24
Park or Playground	9
School	6
Other	23

PERCEIVED BARRIERS TO PARTICIPATING IN DESIRED AFTER-SCHOOL ACTIVITIES



Children were asked what prevents them from doing the activities they wish to be doing after school (3 pm - 6 pm):

	(Number of Children)
I have no barriers	91
I have to go straight home after school	47
I am too busy	39
It costs too much	17
The schedule does not fit the times I can attend	21
My parents do not approve	15
I don't know what's available	10
I need to take care of siblings or do things at home	17
It is too difficult to get there	14
None of my friends are interested or want to go	9
The activity that I want is not offered	22
I have too much homework to do	14
I am afraid I will not be good enough in that activity	11
It is not safe for me to go	6
Other	18

AFTER-SCHOOL PEOPLE AND PLACES

WHERE DO YOU GO AFTER SCHOOL? (FROM 3 PM - 6 PM)

	Never	1x /week	2x +/week
Home	2%	3%	95%
Stay at school for an activity	67%	13%	20%
After-school program or child care	76%	6%	18%
Friend's house	31%	35%	34%
Park/playground/community centre	54%	26%	20%
The mall or stores	70%	16%	14%
Someplace else	45%	24%	31%

WHO ARE YOU WITH AFTER SCHOOL? (FROM 3 PM - 6 PM)

(Children can select all of the options that apply)

By myself	23%
Friends about my age	34%
Younger brothers/sisters	30%
Older brothers/sisters	33%
Mother (or stepmother/foster mother)	65%
Father (or stepfather/foster father)	48%
Other adult (for example, elder, aunt or uncle, coach, babysitter)	10%
Grandparent(s)	14%
Other	17%



IN YOUR NEIGHBOURHOOD/COMMUNITY THERE ARE SAFE PLACES WHERE YOU FEEL COMFORTABLE HANGING OUT WITH FRIENDS:

IN YOUR NEIGHBOURHOOD/COMMUNITY THERE ARE PLACES THAT PROVIDE PROGRAMS FOR KIDS YOUR AGE:

78% Yes 5% No 17% Don't know 66% Yes 9% No 26% Don't know



Participation in after-school programs can result in greater connectedness to school and success in school as well as decreased negative behaviours (Durlak et al., 2010).

Quiet reflection time and daydreaming is just as essential to brain health and development as active and focused activities (Immordino-Yang, 2012). Children who demonstrate a lack of self-control and problem solving skills may experience the greatest benefit from activities such as music, arts and sports that help to develop these skills (Diamond, 2014).

A study examining the experiences of children in Grades 1–5 who participated in after-school programs found that children who participated in high-quality, structured after-school programs had increased social-emotional skills, in addition to fewer conduct problems and higher social self-control and assertion (Wade, 2015).

Challenging and enjoyable after-school activities can improve youth's ability to reason and problem solve, exercise choice and discipline and be creative and flexible, which are strong predictors of academic, career, and life success (Diamond, 2014).

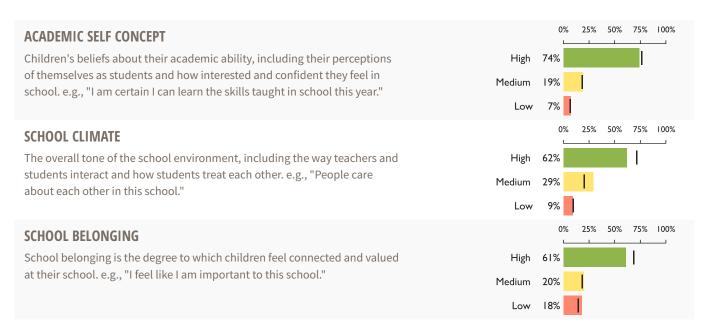


Children's school experiences are important for their personal well-being and academic success. When children have positive experiences at school they are more likely to believe they have a valued role in the school, feel more engaged in class and achieve higher academic performance. Understanding children's school experiences improves our ability to cultivate school environments that are safe, caring and supportive.

Detailed information on the MDI survey questions and response scales for School Experiences are available in the <u>Discover MDI Field Guide (http://discovermdi.ca/making-sense/school-experiences)</u>.

RESULTS FOR SUNSHINE COAST

Average for all Districts



Percentage of children who feel it is very important to:







Percentage of children who agree a little or agree a lot that:

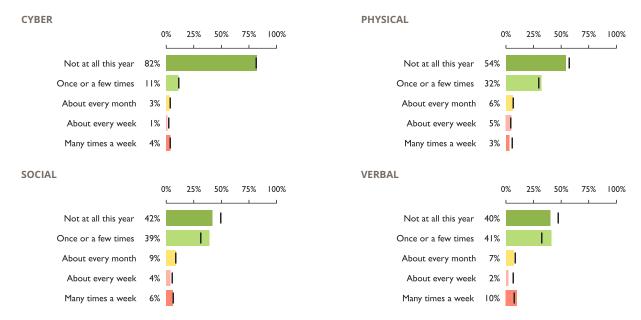
When I grow up, I have goals and plans for the future.



79%

VICTIMIZATION AND BULLYING AT SCHOOL

Children are asked: "During this school year, how often have you been bullied by other students in the following ways?":





Children's perception of kindness within a school is a consistent indicator of a positive school climate.
Students who see kind behaviours in students, teachers and staff also describe their school environments as being safe and encouraging places to learn. As children transition from Grade 4 to Grade 8, perceptions of kindness in schools decrease (Binfet, Gadermann & Schonert-Reichl, 2016).

Feelings of belonging are associated with lower emotional distress, the reduction of negative behaviours (such as bullying and mental health issues) and are associated to rates of higher resilience later in life (van Harmelen et al., 2016). Children and youth who demonstrate empathy are less likely to bully others and are more likely to defend against bullying. Research shows that specific empathy skills differ between those who bully, are victimized, defend or are bystanders. Focusing on developing children's understanding of what others feel results both in less bullying and more defending behaviours (van Noorden et al, 2015).

MOVING TO ACTION WITH DISCOVERMDLCA

MDI data can support planning, foster collaboration and inform action across schools, organizations and communities. There are many opportunities for working with your MDI results and there are examples of successful initiatives from across the province to learn from.

We encourage you to take time to visit **Discover MDI: A Field Guide to Well-Being in Middle Childhood** at <u>discovermdi.ca</u>, an online resource where you can access information and research on the many aspects of well-being in middle childhood, resources and tools for understanding and sharing MDI data and to connect with MDI Champions who are working on similar issues in their schools and communities. Here are some key resources and tools to get you started:

UNDERSTAND YOUR MDI DATA

MDI reports provide information with both detail and depth into the social and emotional lives of children. Approach the results with a lens of curiosity, inquiry and appreciation. The Discover MDI Field Guide can walk you through https://www.discovermdi.ca/understanding-the-mdi/mdi-data/). It also provides background research to support further understanding of the MDI data.

CHOOSING A FOCUS: THINK BIG, START SMALL

It may be overwhelming to consider the many opportunities for change presented in the MDI data. Where will your focus be? What results do you have some influence over? How will you make change? For example, if you are interested in the area of social and emotional development, the Discover MDI Field Guide provides in-depth information on the MDI and its dimensions and measures (http://www.discovermdi.ca/understanding-the-mdi/dimensions/)., including the measures of social and emotional development (http://www.discovermdi.ca/understanding-the-mdi/dimensions/social-emotional-development/).

ENGAGING OTHERS

Increasing local dialogue on the importance of child well-being in the middle years is an excellent way to start improving outcomes for children. Once you are ready, review your MDI report with multiple audiences: children, parents and elders, caregivers and teachers, school administrators, after-school programmers, local early/middle childhood committees, local government and other community stakeholders. Visit the Discover MDI Field Guide for tips and tools to widen the conversation and to think critically about the data together (http://www.discovermdi.ca/making-change/sharing/).

MAKING CHANGE

The MDI provides opportunities to weave together data and local knowledge to create a change process that reflects the unique context of your school, district or community. The Discover MDI Field Guide's 'Making Change Workshops' support school and community change-makers through the process of facilitating exploration of MDI data, creating action teams and turning ideas into concrete plans. There are full facilitation guides for each workshop, paired with worksheets and companion slide decks. Explore Approaches to Making Change (http://www.discovermdi.ca/making-change).

SHARING DATA WITH CHILDREN

Do the results surprise you or raise further questions? Conversations with children will help explore and clarify results in these areas. Sharing data with children will provide them with an opportunity to share their perspectives and ideas on how to create environments and interactions that help them thrive. If you are wondering how to involve children of all ages and their families in exploring these results, explore our Tools page (http://www.discovermdi.ca/resources/).

BE INSPIRED AND CONNECT WITH OTHERS

Innovation happens when people build on ideas, rather than simply duplicating them. The Discover MDI Field Guide provides opportunities to learn from seasoned MDI Champions (http://www.discovermdi.ca/connect/mdi-champions/) – check out their stories and learn from their approaches, explore the collection of downloadable tools (http://www.discovermdi.ca/connect/events-training/). Be inspired, edit, adapt or create new!

If you have any additional questions about the MDI project, please visit our website at <u>earlylearning.ubc.ca/mdi</u> or contact the MDI team at <u>mdi@help.ubc.ca</u>.

NEIGHBOURHOOD RESULTS



Neighbourhoods have unique characteristics that provide important context for interpreting MDI results. Understanding neighbourhood-level differences within a school district or community is essential when considering actions to support children's well-being. The neighbourhood results section includes:

Neighbourhood Maps

- Well-Being Index Map: representing the percentage of children who are "Thriving."
- Assets Index Maps: representing the percentage of children reporting the presence of each of the four assets of the Assets Index: Adult Relationships, Peer Relationships, Nutrition and Sleep, and After-School Activities.

Neighbourhood Data Table - A summary table of the Well-Being Index and Assets Index data.

Neighbourhood Profiles – A summary of MDI data based on the neighbourhoods in which children live, including children from all participating public, Indigenous and independent schools. Results are provided for the Well-Being Index, the Assets Index and a selection of questions related to after-school time and community belonging and safety.

Please note that neighbourhood data are reported based on children's home postal codes and include all children who live within the school district boundaries including children attending Conseil scolaire francophone, Indigenous or independent schools. Where neighbourhoods contain fewer than 35 children, the results are suppressed.



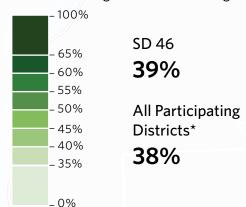




WELL-BEING INDEX

The MDI Well-Being Index is a composite score of 5 measures that are of critical importance during the middle years. Children who score in the high range on at least 4 of the 5 measures of well-being and have no low-range scores are considered to be "thriving."

Percentage of Children Thriving





Data Suppressed (<35 students)

*See page 7 for a list of participating school districts in 2019/20.









ADULT RELATIONSHIPS

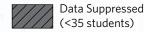
Children's health and well-being are directly related to the presence of adult relationships at home, at school and in their neighbourhood or community.

Percentage of children reporting the presence of the adult relationship asset

90-100%	SD 46
80-89%	84%







*See page 7 for a list of participating school districts in 2019/20.









PEER RELATIONSHIPS

Children's health and well-being are directly related to feeling a sense of belonging with their peers and having close or intimate friendships.

Percentage of children reporting the presence of the peer relationship asset

90-100%	SD 46
80-89%	78 %







*See page 7 for a list of participating school districts in 2019/20.









NUTRITION & SLEEP

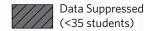
Children's health and well-being are directly related to their nutrition and sleeping habits.

Percentage of children reporting the presence of the nutrition and sleep asset

90-100%	SD 46
80-89%	59 %

70-79%	All Participating
	Districts*

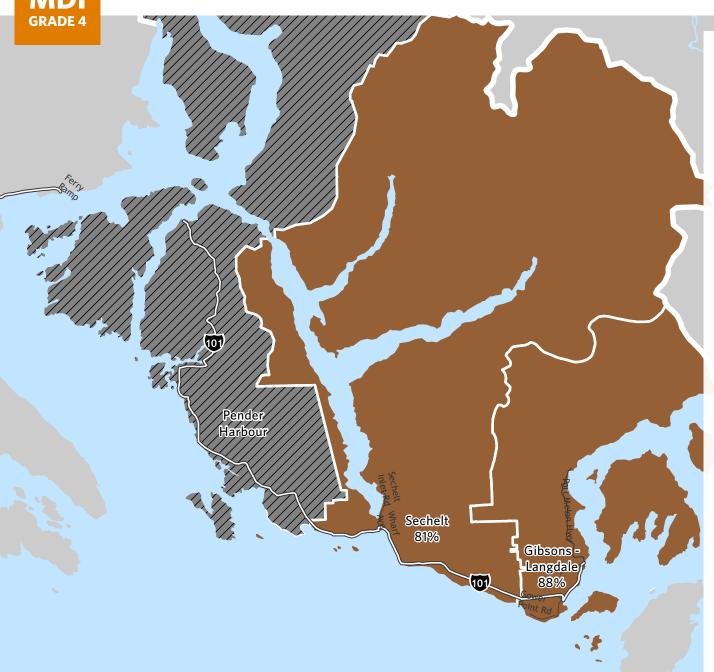




*See page 7 for a list of participating school districts in 2019/20.







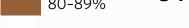


AFTER-SCHOOL ACTIVITIES

Children's health and well-being are directly related to the positive activities they participate in during the after-school hours of 3-6pm.

Percentage of children reporting the presence of the after-school activity asset

80, 80%	84%
90-100%	SD 46



70-79%	All Participating
70 7770	Districts*

85%



(<35 students)

*See page 7 for a list of participating school districts in 2019/20.





NEIGHBOURHOOD DATA TABLE

WELL-BEING INDEX

ASSETS INDEX

Percentage of children experiencing:

Percentage of children reporting the presence of these assets in their lives:















Neighbourhood	Number of Children	Thriving	Medium to High Well-Being	Low Well-Being	Adult Relationships	Peer Relationships	Nutrition & Sleep	After-School Activities
Gibsons - Langdale	78	42%	24%	34%	82%	82%	64%	88%
Pender Harbour	20							
Sechelt	97	39%	27%	34%	85%	77%	60%	81%
Sunshine Coast (SD46)	196	39%	27%	34%	84%	78%	59%	84%
All Participating Districts	10,302	38%	27%	35%	82%	80%	63%	85%

Note: Neighbourhood data are reported based on children's home postal codes and include all children who live within the school district boundaries including children attending Conseil scolaire francophone, Indigenous or independent schools. Therefore the number of children in all neighbourhoods may not equal the total school district count. MDI results are suppressed where there are fewer than 35 children.



NEIGHBOURHOOD PROFILE 2019/2020

GIBSONS - LANGDALE

SUNSHINE COAST

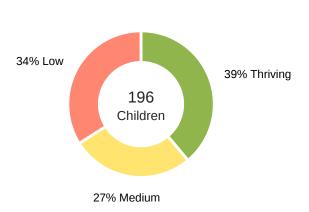
NUMBER OF CHILDREN: 78

WELL-BEING INDEX

GIBSONS - LANGDALE

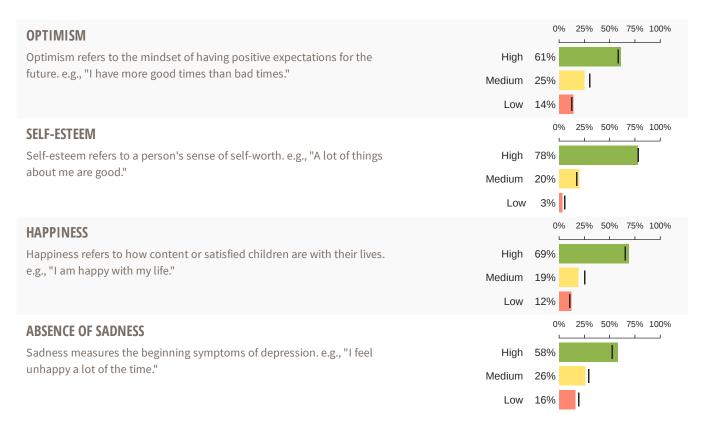
34% Low 78 Children 24% Medium

SUNSHINE COAST



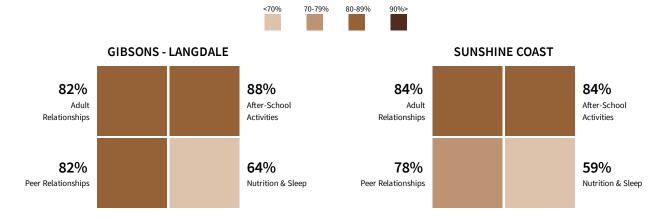
MEASURES COMPRISING THE WELL-BEING INDEX

| School District Average



ASSETS INDEX

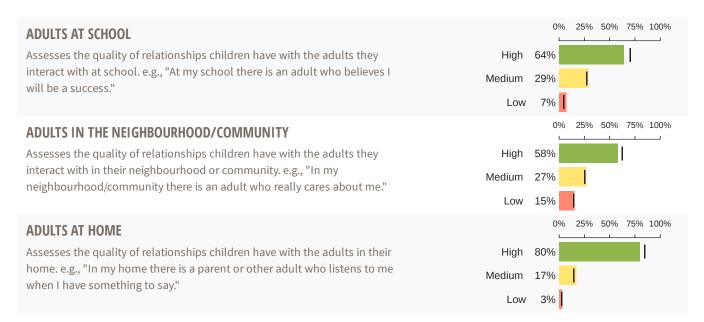
Percentage of children reporting the presence of an asset



MEASURES COMPRISING THE ASSETS INDEX

ADULT RELATIONSHIPS

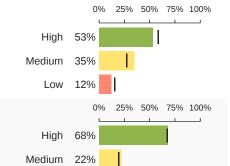
| School District Average



PEER RELATIONSHIPS

PEER BELONGING

Measures children's feelings of belonging to a social group. e.g., "When I am with other kids my age, I feel I belong."



FRIENDSHIP INTIMACY

Assesses the quality of relationships children have with their peers. e.g., "I have a friend I can tell everything to."

NUTRITION AND SLEEP

EATING BREAKFAST

Children are asked, "How often do you eat breakfast?"



Low

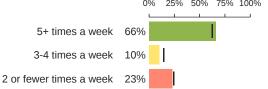
11%

MEALS AT HOME WITH YOUR FAMILY

Children are asked, "How often do your parents or other adult family members eat meals with you?"

FREQUENCY OF GOOD SLEEP

Children are asked, "How often do you get a good night's sleep?"



AFTER-SCHOOL ACTIVITIES

Children were asked, "During the last week after school (from 3 pm - 6 pm), how many days did you participate in":

ANY ORGANIZED ACTIVITY Children who participated in any after-school activity that was structured and supervised by an adult. (e.g., educational lessons, youth organizations, music or art lessons and sports practice) Twice or more a week 77% Once a week 11% Never 12%

USE OF AFTER-SCHOOL TIME

WHAT CHILDREN WISH TO BE DOING



Children were asked what they want to be doing during the after-school hours of 3 pm - 6 pm:

I am already doing the activities I want to be doing

82%

I wish I could do additional activities

26%

I am doing some of the activities I want, but I wish I could do more

8%

Children who answered that they wish to be doing additional activities were asked to identify one activity they wish they could do and where they would like to do it. Note: responses are grouped into categories for reporting purposes.

WISHES	(Number of Children)
Computer/Video Games/TV	2
Friends and playing	1
Physical and/or outdoor activities	10
Music and arts	0
Time with family at home	0
Free time/relaxing	1
Learning new things	1
Other	1

PERCEIVED BARRIERS TO PARTICIPATING IN DESIRED AFTER-SCHOOL ACTIVITIES



Children were asked what prevents them from doing the activities they wish to be doing after school (3 pm - 6 pm):

	(Number of Children)
I have no barriers	36
I have to go straight home after school	15
I am too busy	15
It costs too much	7
The schedule does not fit the times I can attend	6
My parents do not approve	3
I don't know what's available	3
I need to take care of siblings or do things at home	6
It is too difficult to get there	6
None of my friends are interested or want to go	3
The activity that I want is not offered	5
I have too much homework to do	3
I am afraid I will not be good enough in that activity	4
It is not safe for me to go	1
Other	5

AFTER-SCHOOL ACTIVITIES

Children were asked, "During last week AFTER SCHOOL (from 3 pm - 6 pm), how many days did you participate in":

	Not at all	1x /week	2x +/week
Educational lessons or activities	67%	10%	23%
Art or music lessons	51%	29%	21%
Youth organizations	72%	18%	10%
Individual sports with a coach or instructor	47%	24%	29%
Team sports with a coach or instructor	51%	21%	28%



IN YOUR NEIGHBOURHOOD/COMMUNITY THERE ARE PLACES THAT PROVIDE PROGRAMS FOR KIDS YOUR AGE:

65%	
Yes	

9% No 26% Don't know

COMMUNITY BELONGING & SAFETY

IN YOUR NEIGHBOURHOOD/COMMUNITY THERE ARE ADULTS WHO:

(Percentage of children who responded "very much true")



Really care about me.



Believe that I will be a success.



Listen to me when I have something to say.



IN YOUR NEIGHBOURHOOD/COMMUNITY THERE ARE SAFE PLACES WHERE YOU FEEL COMFORTABLE HANGING OUT WITH FRIENDS:

72% Yes 9% No 19% Don't know



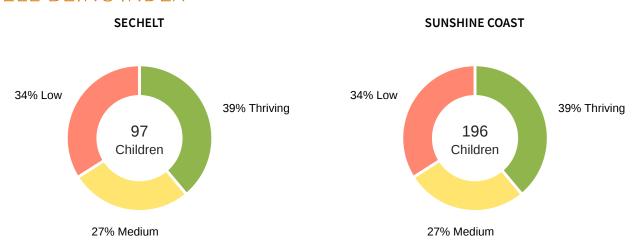
NEIGHBOURHOOD PROFILE 2019/2020

SECHELT

SUNSHINE COAST

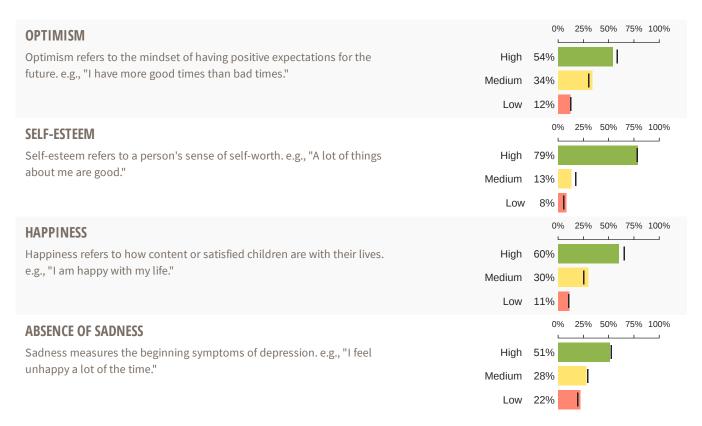
NUMBER OF CHILDREN: 97

WELL-BEING INDEX



MEASURES COMPRISING THE WELL-BEING INDEX

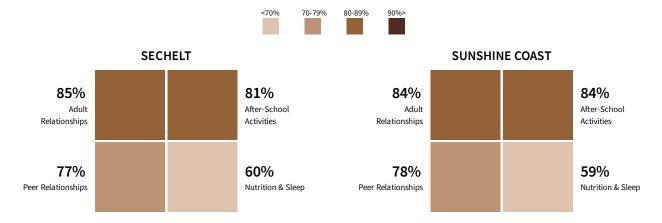
| School District Average



GENERAL HEALTH Children are asked, "In general, how would you describe your health?" Medium Low 11%

ASSETS INDEX

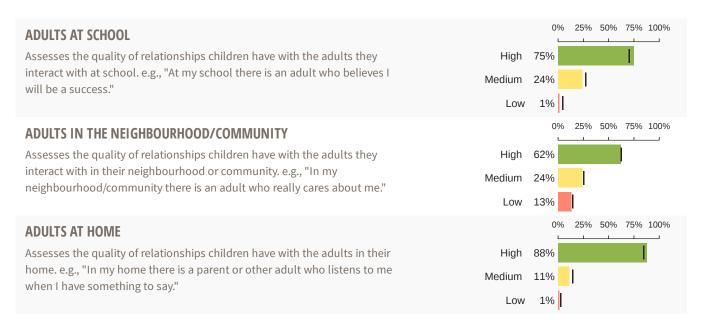
Percentage of children reporting the presence of an asset



MEASURES COMPRISING THE ASSETS INDEX

ADULT RELATIONSHIPS

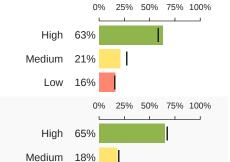
| School District Average



PEER RELATIONSHIPS

PEER BELONGING

Measures children's feelings of belonging to a social group. e.g., "When I am with other kids my age, I feel I belong."

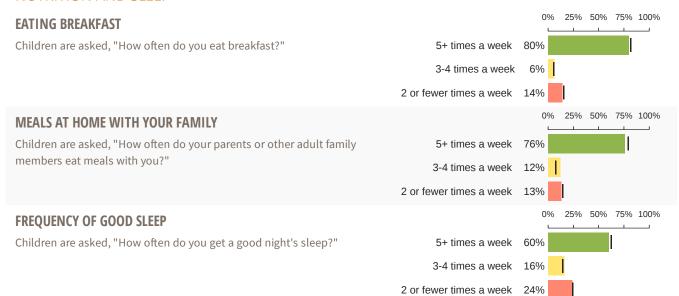


Low 17%

FRIENDSHIP INTIMACY

Assesses the quality of relationships children have with their peers. e.g., "I have a friend I can tell everything to."

NUTRITION AND SLEEP



AFTER-SCHOOL ACTIVITIES

Children were asked, "During the last week after school (from 3 pm - 6 pm), how many days did you participate in":



USE OF AFTER-SCHOOL TIME

WHAT CHILDREN WISH TO BE DOING



Children were asked what they want to be doing during the after-school hours of 3 pm - 6 pm:

I am already doing the activities I want to be doing

69%

I wish I could do additional activities

44%

I am doing some of the activities I want, but I wish I could do more

13%

Children who answered that they wish to be doing additional activities were asked to identify one activity they wish they could do and where they would like to do it. Note: responses are grouped into categories for reporting purposes.

WISHES	(Number of Children)
Computer/Video Games/TV	6
Friends and playing	4
Physical and/or outdoor activities	19
Music and arts	7
Time with family at home	2
Free time/relaxing	1
Learning new things	3
Other	0

PERCEIVED BARRIERS TO PARTICIPATING IN DESIRED AFTER-SCHOOL ACTIVITIES



Children were asked what prevents them from doing the activities they wish to be doing after school (3 pm - 6 pm):

	(Number of Children)
I have no barriers	47
I have to go straight home after school	23
I am too busy	20
It costs too much	9
The schedule does not fit the times I can attend	11
My parents do not approve	9
I don't know what's available	6
I need to take care of siblings or do things at home	10
It is too difficult to get there	7
None of my friends are interested or want to go	5
The activity that I want is not offered	16
I have too much homework to do	9
I am afraid I will not be good enough in that activity	4
It is not safe for me to go	4
Other	11

AFTER-SCHOOL ACTIVITIES

Children were asked, "During last week AFTER SCHOOL (from 3 pm - 6 pm), how many days did you participate in":

	Not at all	1x /week	2x +/week
Educational lessons or activities	71%	13%	16%
Art or music lessons	66%	12%	22%
Youth organizations	75%	11%	14%
Individual sports with a coach or instructor	56%	14%	30%
Team sports with a coach or instructor	60%	12%	27%



IN YOUR NEIGHBOURHOOD/COMMUNITY THERE ARE PLACES THAT PROVIDE PROGRAMS FOR KIDS YOUR AGE:

73%	
Vac	

5% No

21% Don't know

COMMUNITY BELONGING & SAFETY

IN YOUR NEIGHBOURHOOD/COMMUNITY THERE ARE ADULTS WHO:

(Percentage of children who responded "very much true")



Really care about me.



Believe that I will be a success.



Listen to me when I have something to say.



IN YOUR NEIGHBOURHOOD/COMMUNITY THERE ARE SAFE PLACES WHERE YOU FEEL COMFORTABLE HANGING OUT WITH FRIENDS:

85% Yes 1% No 14% Don't know

RFFFRFNCFS

INTRODUCTION TO THE MDI

Rubin, K. H., Bukowski, W. M., & Parker, J. G. (2006). Peer interactions, relationships, and groups. In N. Eisenberg, W. Damon, & R. M. Lerner (Eds.), *Handbook of child psychology: Social, emotional, and personality development* (pp. 571–645). John Wiley & Sons Inc.

Jacobs, R. H., Reinecke, M. A., Gollan, J. K., & Kane, P. (2008). Empirical evidence of cognitive vulnerability for depression among children and adolescents: A cognitive science and developmental perspective. *Clinical Psychology Review, 28(5),* 759–782. Science Direct.

SOCIAL & EMOTIONAL DEVELOPMENT

Weissberg, R.P., Durlak, J.A., Domitrovich, C.E., & Gullotta, T.P. (2015). Social and emotional learning: Past, present, and future. In J.A. Durlak, C.A. Domitrovich, R.P. Weissberg, & T.P. Gullotta (Eds.) *Handbook of social and emotional learning (3–19).* New York, NY: Guildford Press.

Skinner, E. A., & Zimmer-Gembeck, M. J. (2016). Development of coping during middle childhood: Cognitive reappraisal, mental modes of coping, and coordination with demands. In E. A. Skinner & M. J. Zimmer-Gembeck, *The Development of Coping* (pp. 163–183). Cham: Springer International Publishing.

Schreier H., Schonert-Reichl K., & Chen E. (2013). Effect of volunteering on risk factors for cardiovascular disease in adolescents: a randomized controlled trial. *JAMA Pediatrics*, *167* (*4*): 327–332.

PHYSICAL HEALTH & WELL-BEING

Harrison, M. E., Norris, M. L., Obeid, N., Fu, M., Weinstangel, H., & Sampson, M. (2015). Systematic review of the effects of family meal frequency on psychosocial outcomes in youth. *Canadian Family Physician*, *61*(2), 96–106.

Smaldone A, Honig J., & Byrne M. (2007). Sleepless in America: inadequate sleep and relationships to health and well-being of our nation's children. *Pediatrics*, *119* (*suppl 1*): S29-S37.

Reichelt, A. C. (2016). Adolescent maturational transitions in the prefrontal cortex and dopamine signaling as a risk factor for the development of obesity and high fat/high sugar diet induced cognitive deficits. *Frontiers in Behavioral Neuroscience*, 10, 1–17.

CONNECTEDNESS

Veiga, F., Wentzel, K., Melo, M., Pereira, T., Faria, L., & Galvão, D. (2014). Students'engagement in school and peer relations: A literature review. *In I Congresso Internacional Envolvimento dos Alunos na Escola: Perspetivas da Psicologia e Educação* (pp. 196–211).

Olsson, C., McGee, R., Nada-Raja, S., & Williams, S. (2013). A 32-year longitudinal study of child and adolescent pathways to well-being in adulthood. *Journal of Happiness Studies*, *14*(*3*), 1069–1083.

Oberle, E., Guhn, M., Gadermann, A. M., Thomson, K., & Schonert-Reichl, K. A. (2018). Positive mental health and supportive school environments: A population-level longitudinal study of dispositional optimism and school relationships in early adolescence. *Social Science & Medicine*, *214*, 154–161.

Guhn, M., Schonert-Reichl, K. A., Gadermann, A. M., Hymel, S., & Hertzman, C. (2013). A population study of victimization, relationships, and well-being in middle childhood. *Journal of Happiness Studies*, *14*(*5*), 1529–1541.

USE OF AFTER-SCHOOL TIME

Durlak, J. A., Weissberg, R. P., & Pachan, M. (2010). A meta-analysis of after-school programs that seek to promote personal and social skills in children and adolescents. *American Journal of Community Psychology*, 45(3-4), 294–309.

Diamond, A. (2014). Want to optimize executive functions and academic outcomes?: Simple, just nourish the human spirit. In *Minnesota Symposia on Child Psychology* (Vol. 37, p. 205). NIH Public Access.

Immordino-Yang, M. H., Christodoulou, J. A., & Singh, V. (2012). Rest is not idleness implications of the brain's default mode for human development and education. *Perspectives on Psychological Science*, *7*(4), 352–364.

Wade C. (2015). The longitudinal effects of after-school program experiences, quality, and regulatable features on children's social-emotional development. *Child and Youth Services Review*, 48, 70–79.

SCHOOL EXPERIENCES

Binfet, J., Gadermann, A., & Schonert-Reichl, K. (2016). Measuring kindness at school: psychometric properties of a school kindness scale for children and adolescents. *Psychology in the Schools*, *53*(2), 111–126.

van Harmelen A. L., Gibson, J. L., St. Clair, M. C., Owens, M., Brodbeck, J., Dunn, V., ... Goodyer, I. M. (2016). Friendships and family support reduce subsequent depressive symptoms in at-risk adolescents. *PLoS ONE 11(5):* e0153715.

van Noorden, T. H., Haselager, G. J., Cillessen, A. H., & Bukowski, W. M. (2015). Empathy and involvement in bullying in children and adolescents: A systematic review. *Journal of Youth and Adolescence*, 44(3), 637–657

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