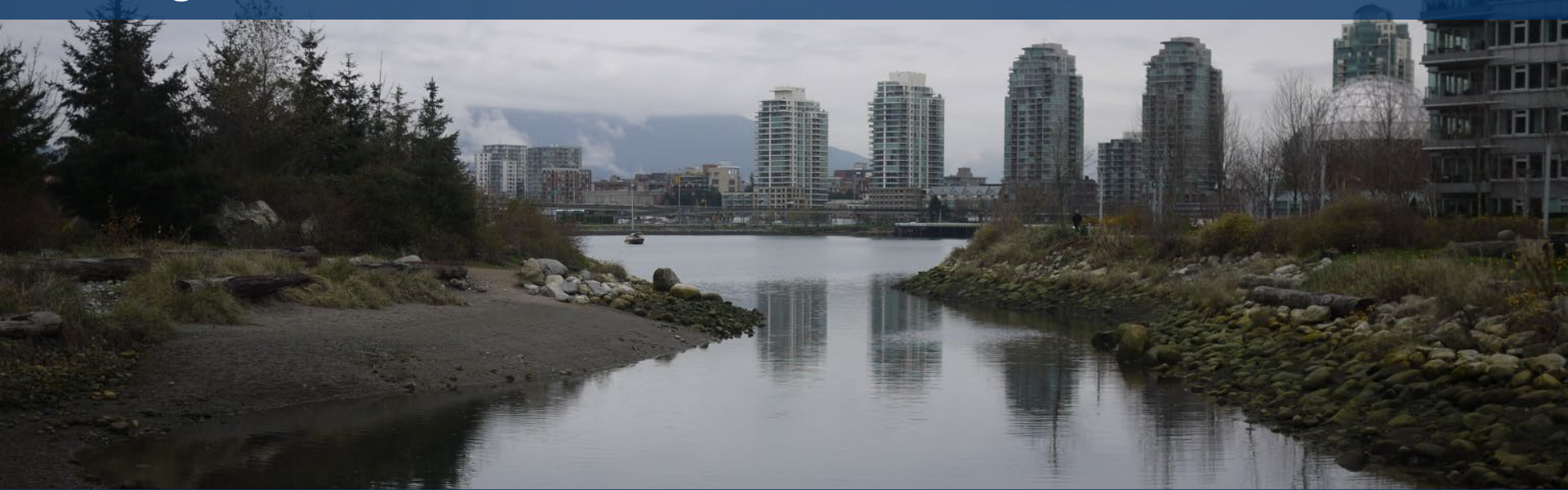


# Social Indicators and Trends in Vancouver

Finding our communities' reflections in data and indicators

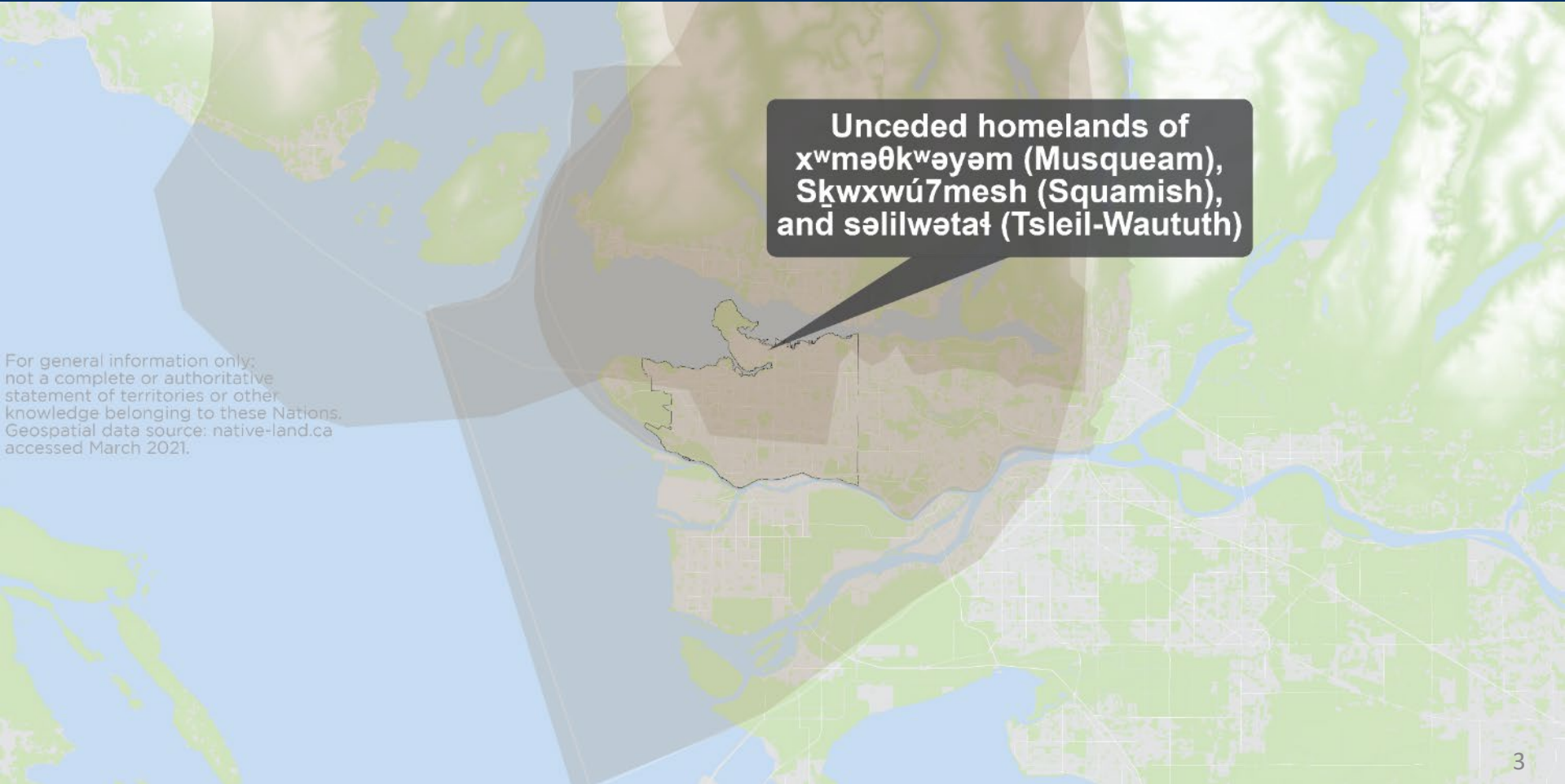


Webinar with non-profit organizations



**Welcome**





Unceded homelands of  
xʷməθkʷəy̓əm (Musqueam),  
Skwxwú7mesh (Squamish),  
and səlilwətaʔ (Tsleil-Waututh)

For general information only;  
not a complete or authoritative  
statement of territories or other  
knowledge belonging to these Nations.  
Geospatial data source: native-land.ca  
accessed March 2021.

# Land acknowledgement

shíshálh swíya  
(Sechelt)

Skwxwú7mesh-ulh Temíxw  
(Squamish)

səlilwətaʔt təməx<sup>w</sup>  
(Tsleil-Waututh)

kʷikwəłəm  
(Kwkwetlem)

šxw̓məθkʷəyəməʔt təməx<sup>w</sup>  
(Musqueam)

Qayqayt

sqəciyaʔt təməx<sup>w</sup>  
(Katzie)

Snuneymuxw

Kwantlen

S'ólh Téméxw  
(Stó:lō)

Stz'uminus

scəwaθenaʔt təməx<sup>w</sup>  
(Tsawwassen)

Semiahmoo

For general information only,  
not a complete or authoritative  
statement of territories or other  
knowledge belonging to these Nations.  
Geospatial data source: native-land.ca  
accessed March 2021.

- **Accessibility**

- We apologize that this webinar is not fully accessible
- Please contact [socialpolicy.research@vancouver.ca](mailto:socialpolicy.research@vancouver.ca) and we will make arrangements to share information in different formats and make future events more accessible

- **Audio not working?**

- Try the call-in option



## Want to share comments, questions, reactions, or thoughts?

- Presenters will be monitoring the Q+A
- Send a chat message to all participants to introduce yourself or start a public discussion (your name will be visible)



- **Need help?**

- Send a chat message to panelist Julianna Torjek

- **Privacy and Security**

- Information shared in Webex is stored and processed outside of Canada

Send to:  

## Purpose

- **Share data and analysis** to inform community services grant applications, strategic planning, and service delivery
- **Take a closer look** at preliminary data on the impacts of COVID-19
- **Understand how 2021 Census** data was collected and is being released, including new topics and questions
- **Start and continue conversations** about how we can collectively understand well-being, equity, and change in our communities

## Agenda

- Convening and introductions
- City of Vancouver staff presentation: ***Data sources, indicators and trends***
- Statistics Canada presentation: ***2021 Census: results on gender diversity***
- New tools for engagement
- Data governance discussion
- Closing and next steps





# Introductions

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# Data sources, indicators, and trends

City of Vancouver Social Policy Research and Data Team

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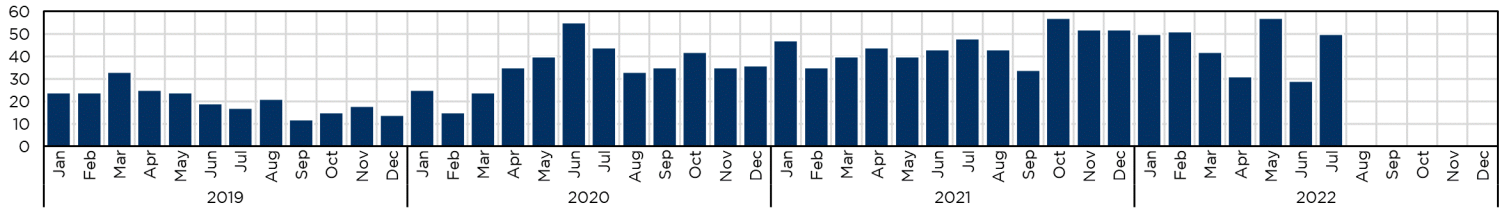




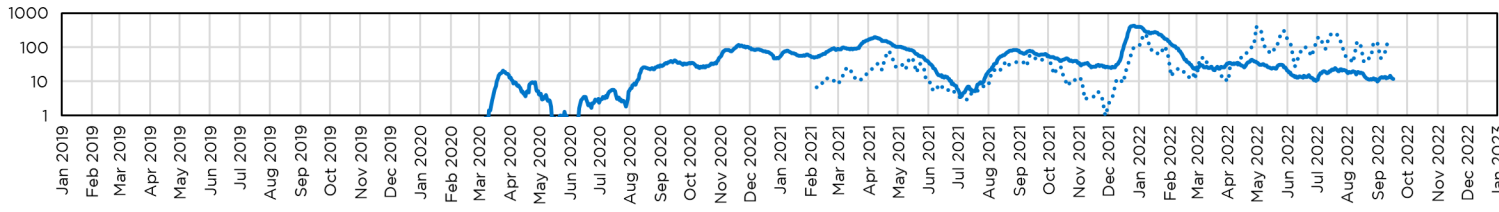
**Is there a new normal?**

# (Nothing is normal)

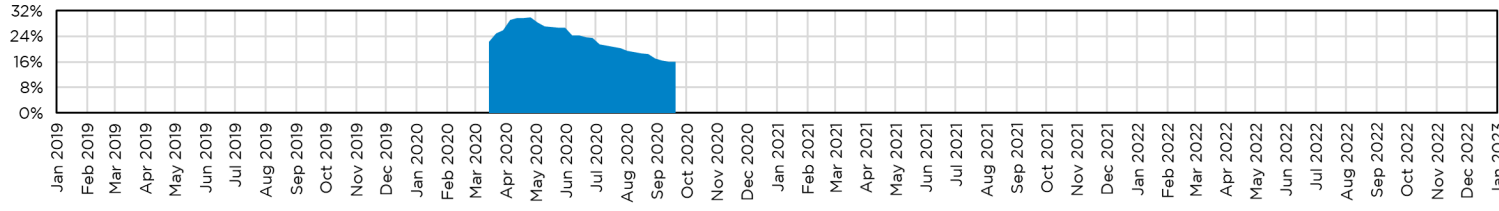
## Monthly drug poisoning deaths in Vancouver



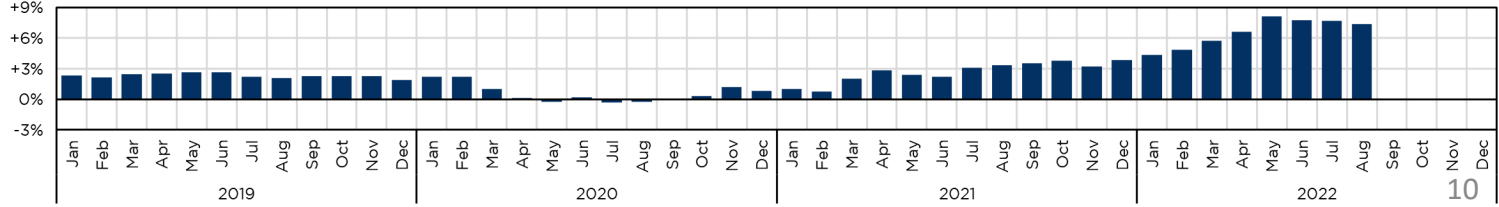
## Daily COVID PCR tests/ wastewater [] in Vancouver



## Weekly rate of CERB recipients in Vancouver

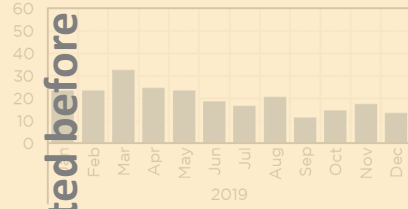


## Monthly year-over-year change in CPI for Metro

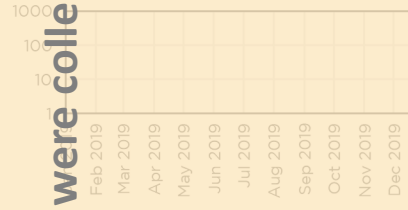


(Nothing is normal)

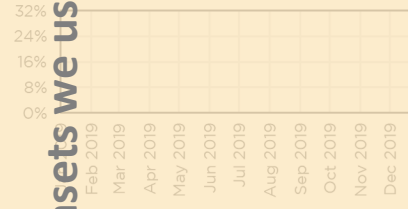
Monthly drug poisoning deaths



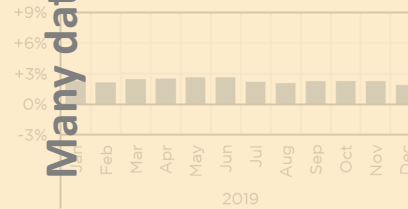
Daily COVID PCR tests/wastewater []



Weekly CERB recipients

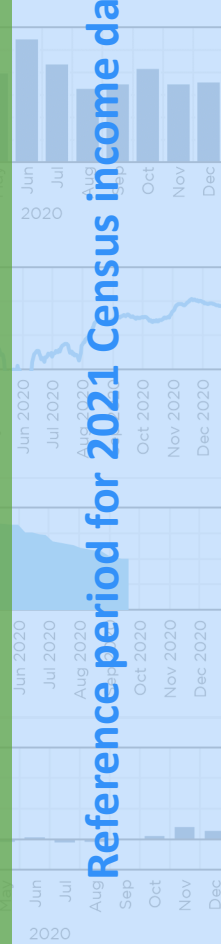


Monthly year-over-year inflation (CPI)



Many datasets we use were collected before 2020

2020 BC population health survey (SPEAK)

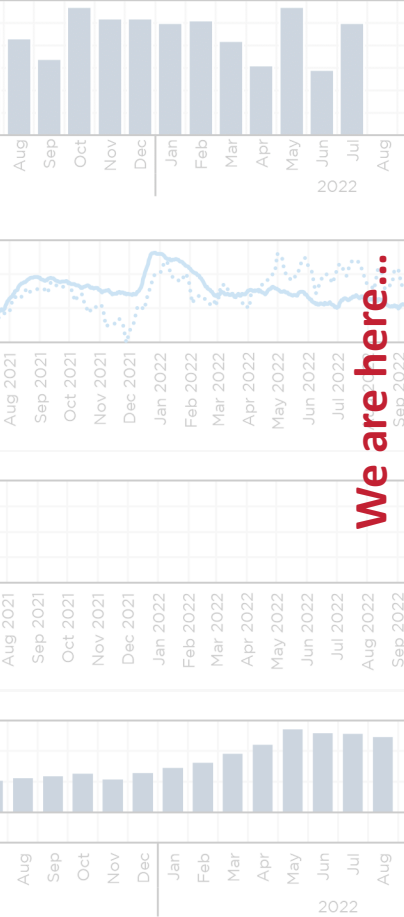


Reference period for 2021 Census income data

2021 BC population health survey (SPEAK)



2021 Census data collected



We are here...

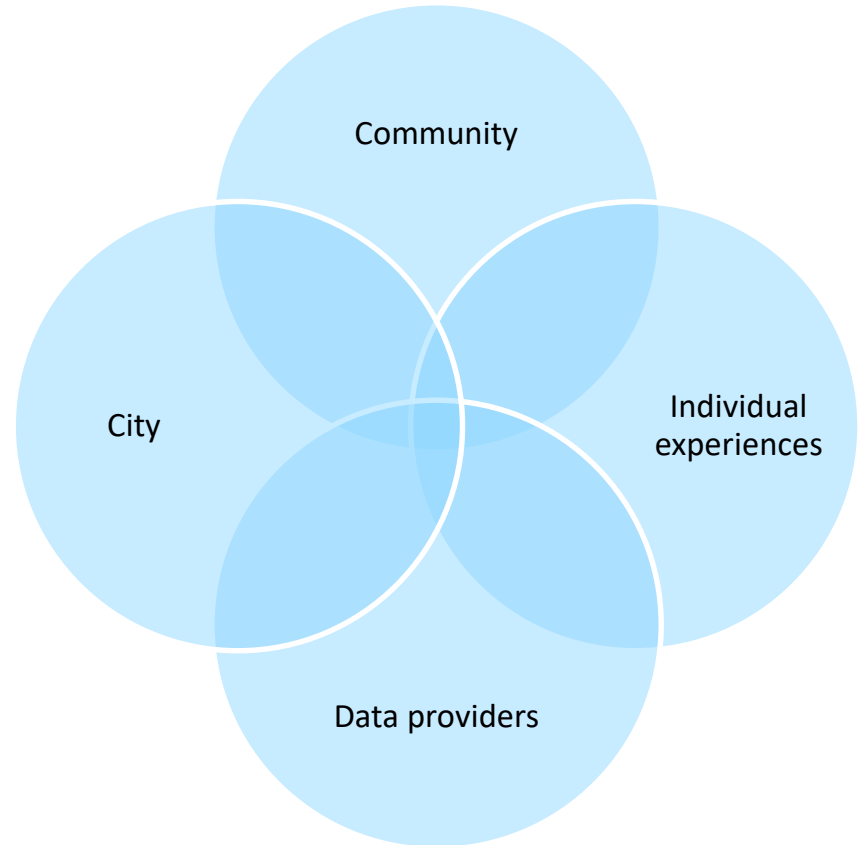
...trying to plan for the future

- **The context of data collection always matters**, but especially now
- **Population-level data is a powerful and essential tool**, but it has limits
- **Community knowledge is essential** to fill the gaps
  - What's on the ground is more current than what's in a dataset
  - Though data is being disaggregated into more categories, not all identities are reflected
  - Even the most comprehensive dataset can't capture the unique experience of an individual





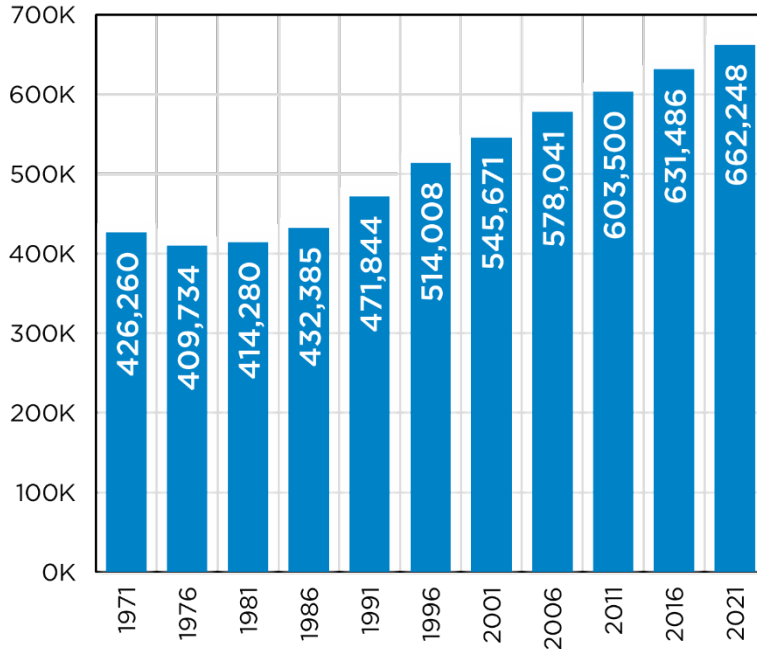
- **Examples of City roles**
  - Leverage and share resources to build capacity
  - Make larger data sources relevant and accessible to communities
  - Collect, curate, and synthesize other sources of knowledge
- **Example of community roles**
  - Amplify voices of those that haven't been included
  - Help enrich and fill gaps in data
  - Contextualize and ground abstract data points in the real world





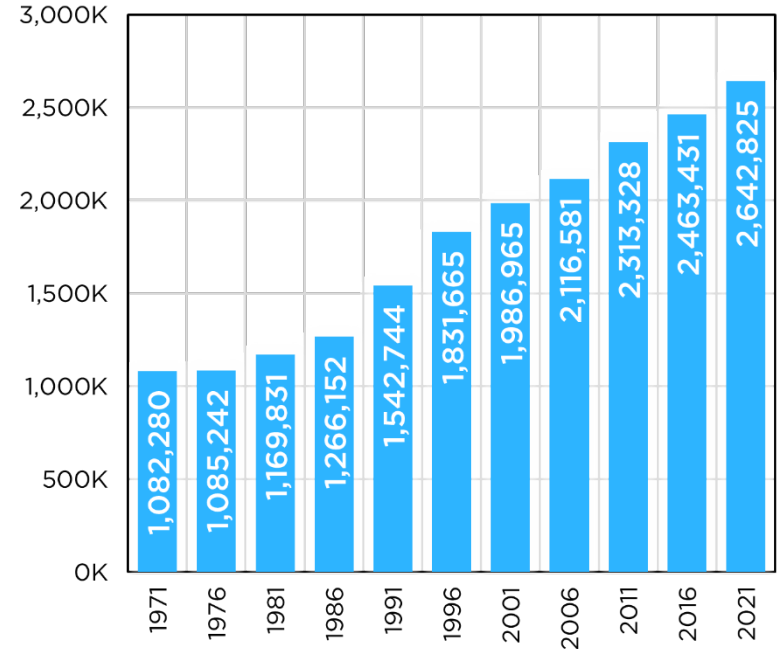
**Some ongoing trends in Vancouver**

### City of Vancouver: Total Population, 1971-2021



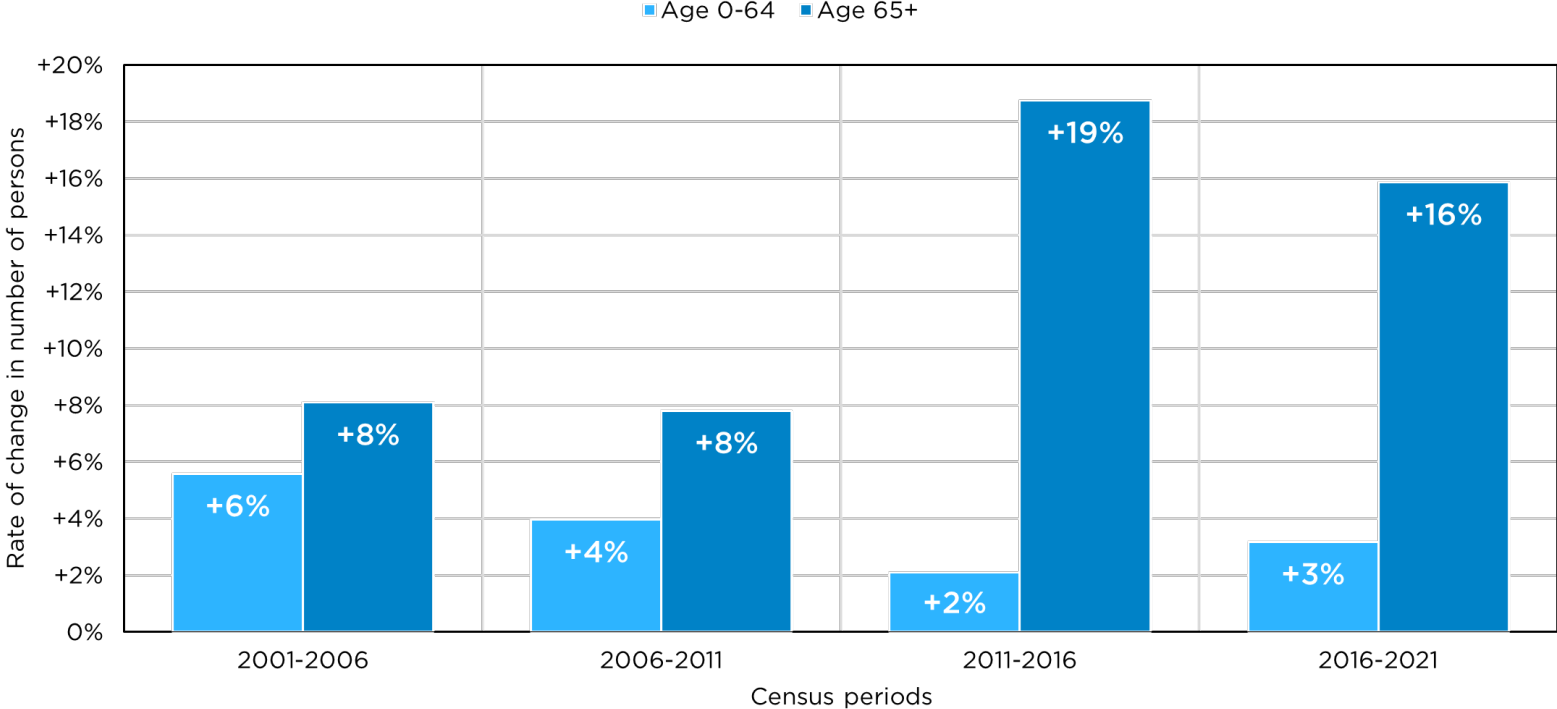
Data Source: Statistics Canada, Census of Population  
Population from 1991 to present does not include Musqueam

### Metro Vancouver: Total Population, 1971-2021



Data Source: Statistics Canada, Census of Population  
Population is for regional district boundaries at the time of the census

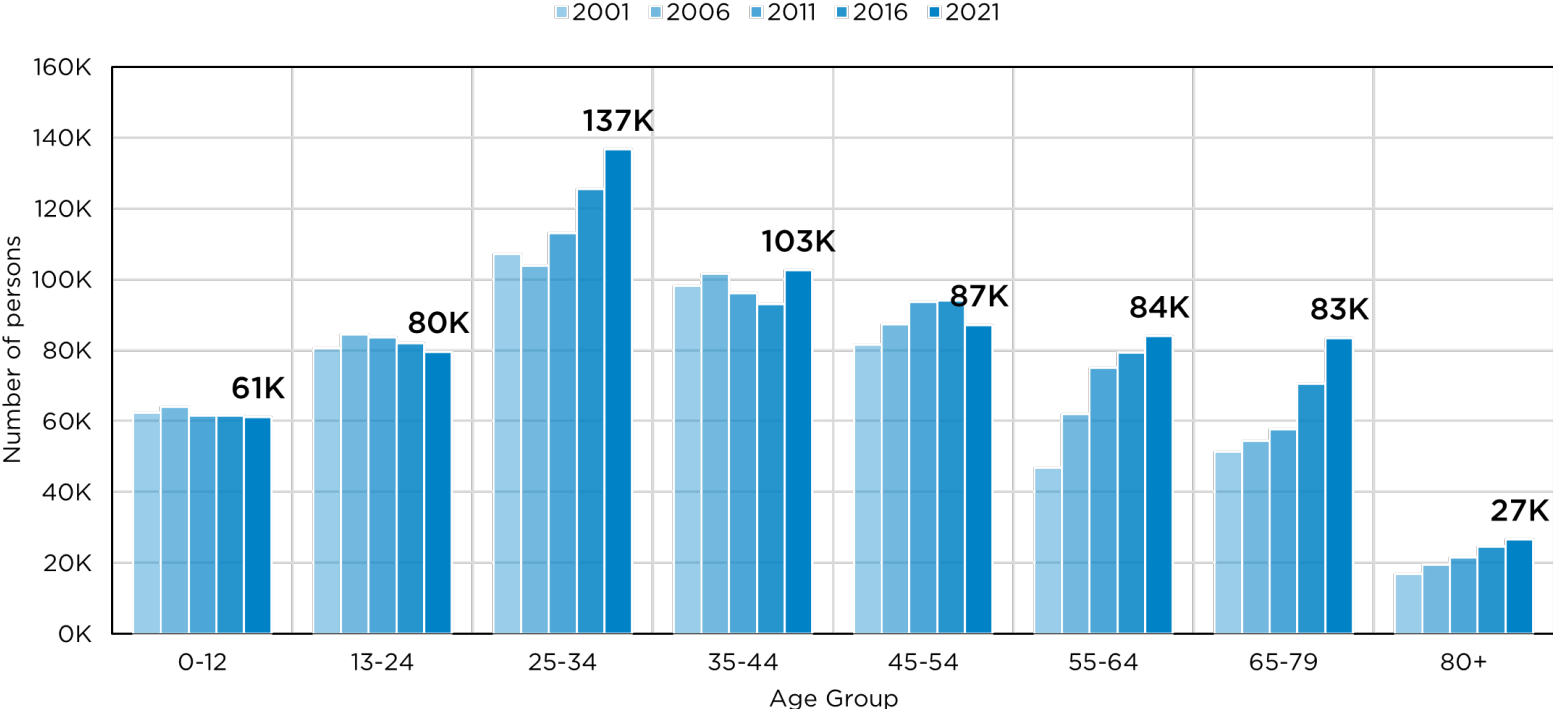
## City of Vancouver: Net Population Growth by Age Group, 2001-2021



Data Source: Statistics Canada, Census of Population

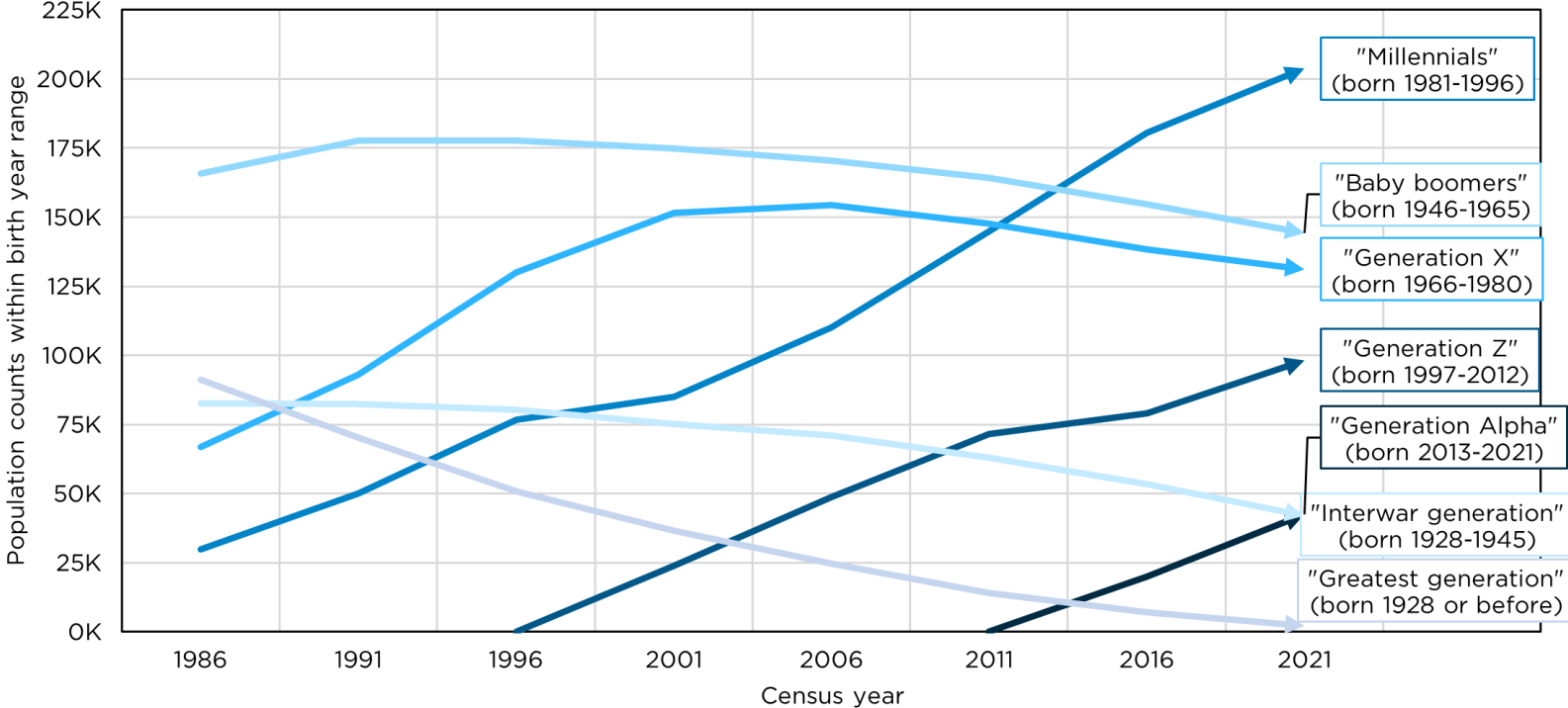


## City of Vancouver: Population by Age Groups 2001-2021



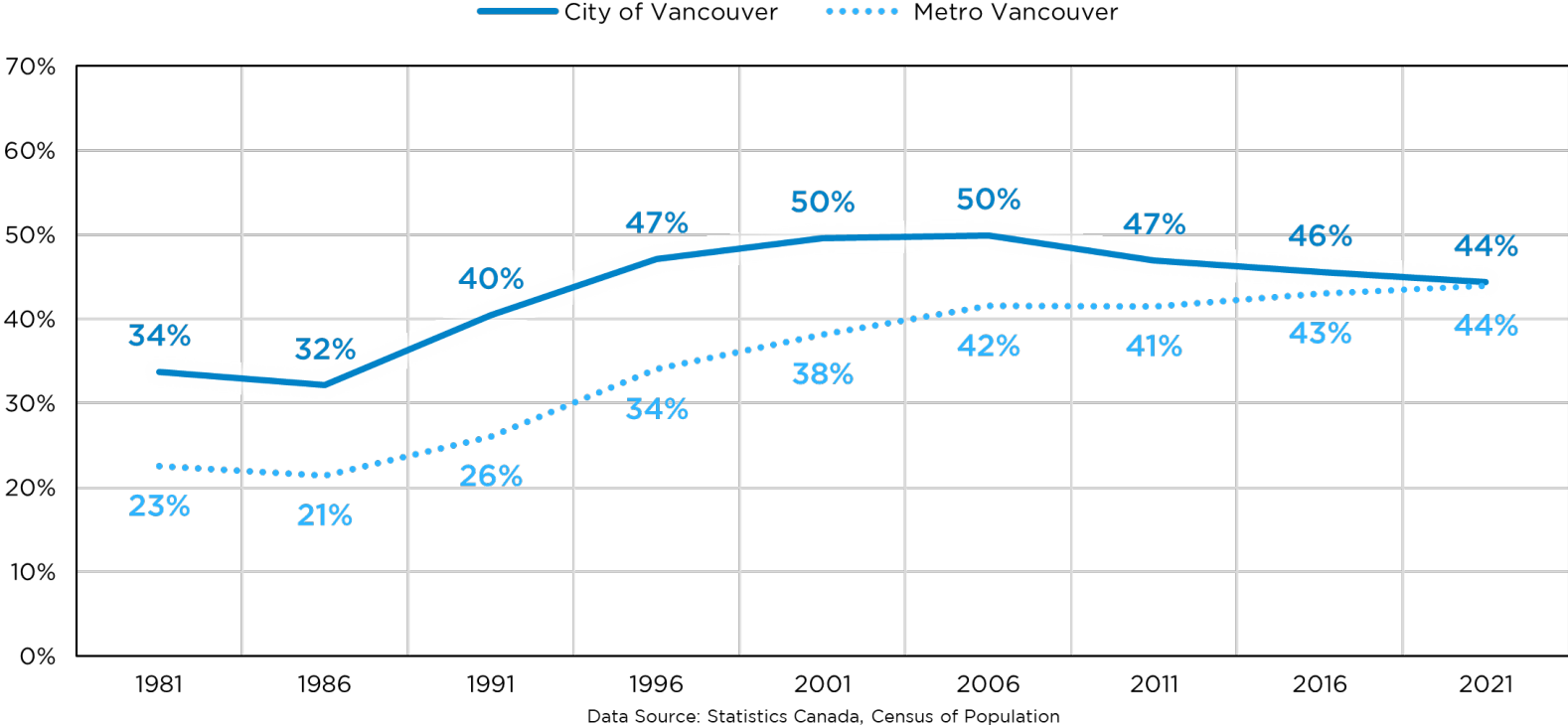
Data Source: Statistics Canada, Census of Population

## City of Vancouver: Population by Societal Generation, 1986-2021



Data Source: Statistics Canada, Census of Population

## Population With a Non-English Mother Tongue, 1981-2021



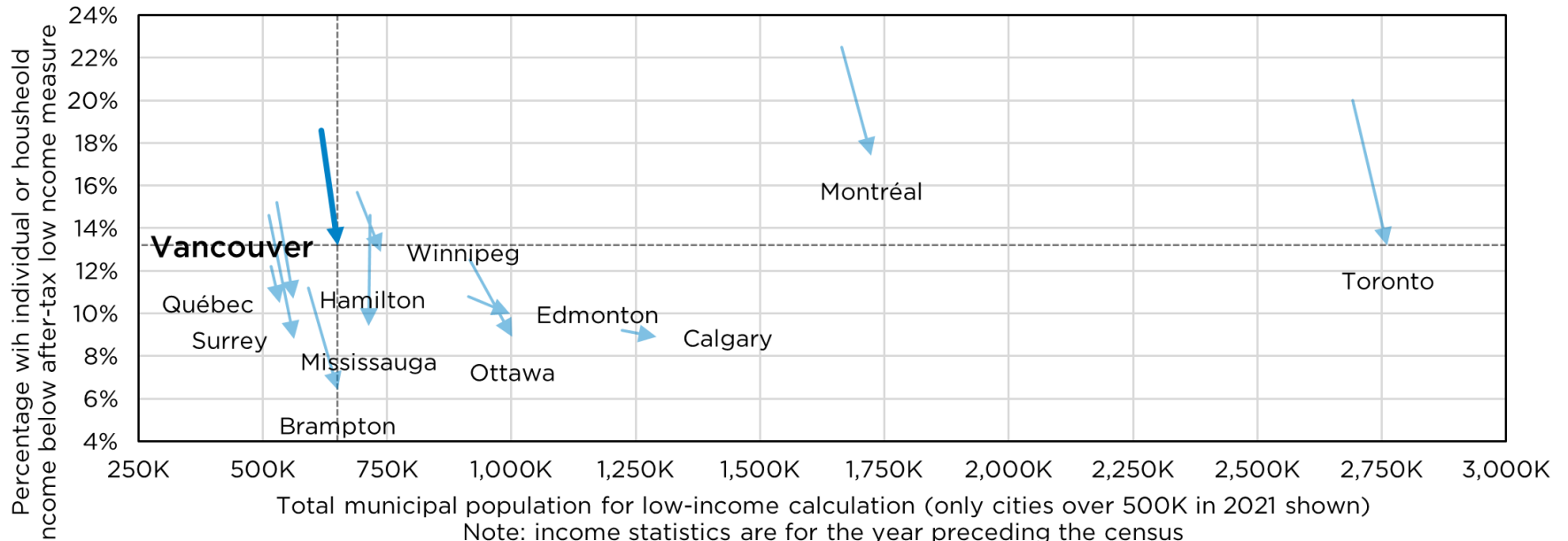


**How do we make sense of data collected in the past few years?**



## Low Income Rate (LIM-AT) in Large Canadian Cities, 2016-2021

Data from 2016 Census      →      Data from 2021 Census



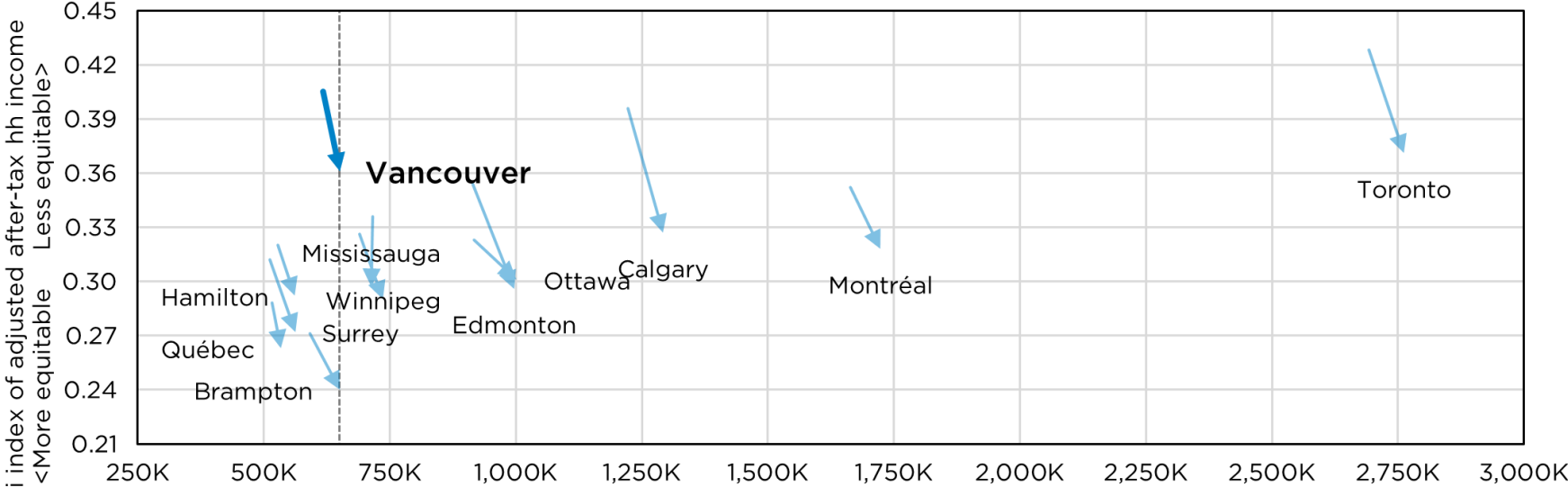
Note: income statistics are for the year preceding the census

Data source: Statistics Canada, 2016 and 2021 Census of Population

# Shift toward a more equitable income distribution?

## Gini Index for After-Tax Income in Large Canadian Cities, 2016-2021

Data from 2016 Census    →    Data from 2021 Census

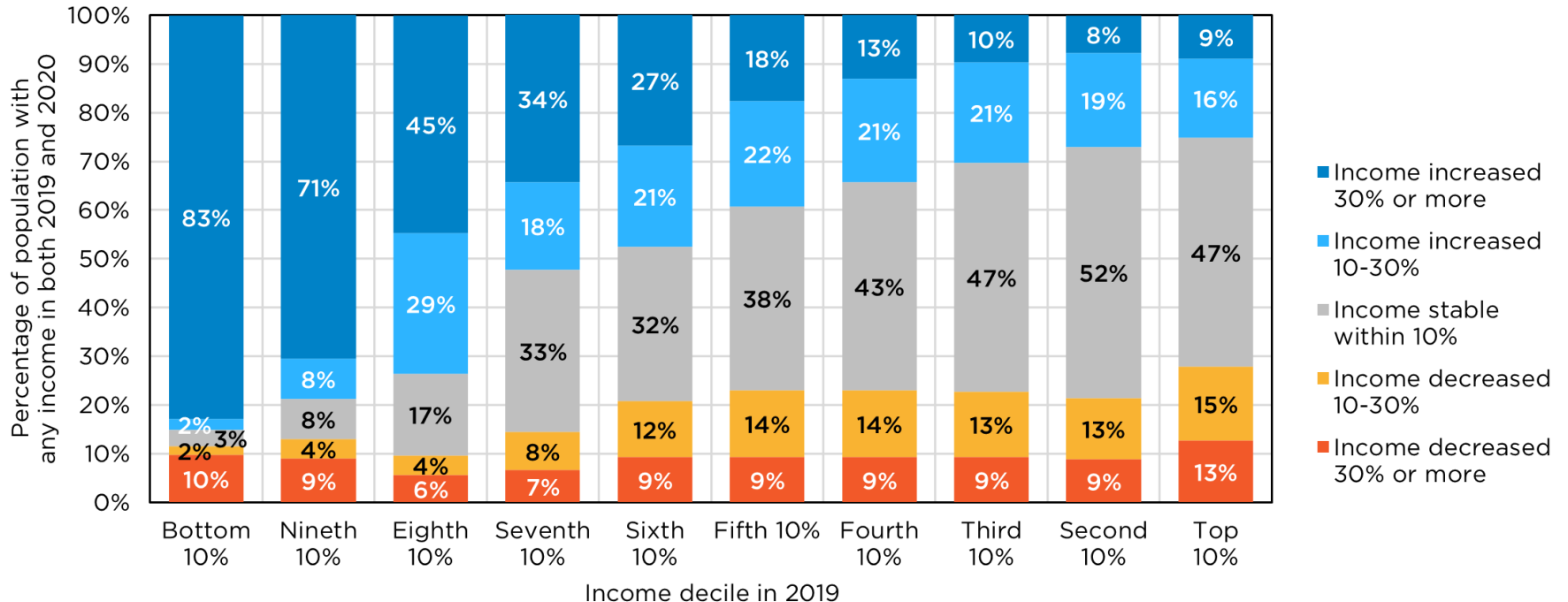


Total municipal population (only cities over 500K in 2021 shown)

Note: income statistics are for the year preceding the census

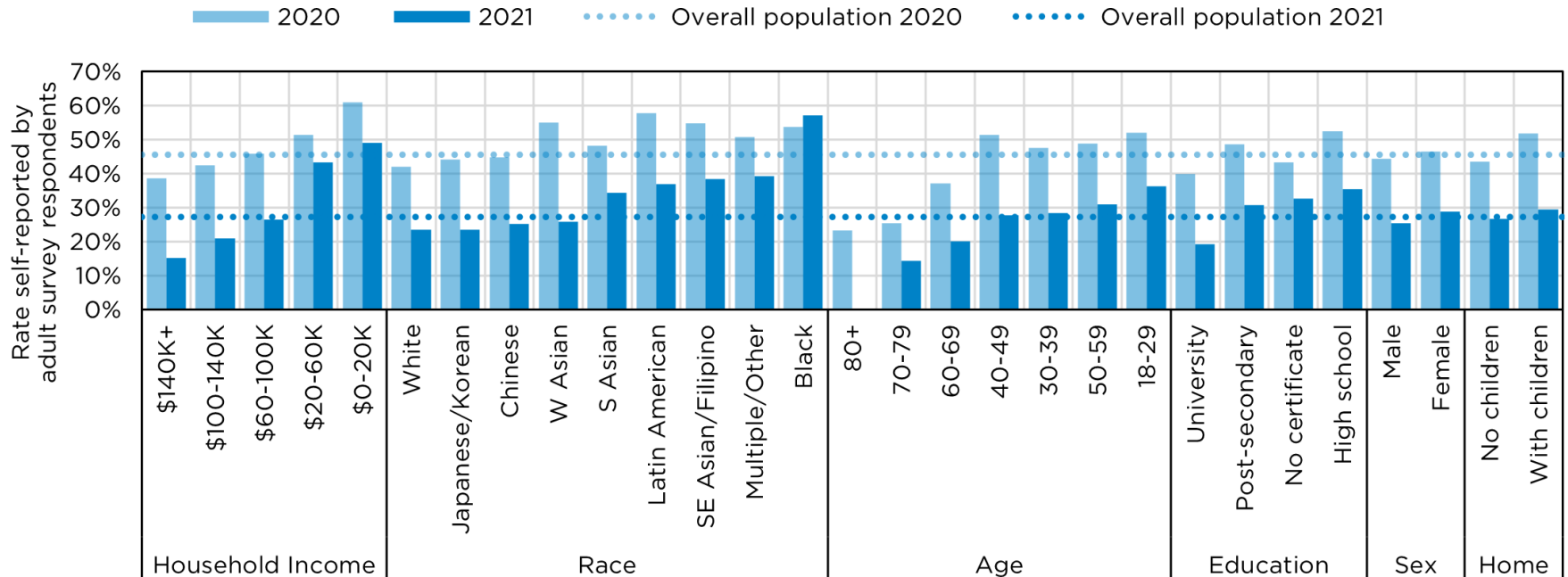
Data source: Statistics Canada, 2016 and 2021 Census of Population

## City of Vancouver: Change in Total Income by Decile, 2019-2020



Data source: Statistics Canada, 2021 Census of Population

## Vancouver Residents Anticipating Future Financial Stress, 2020/2021

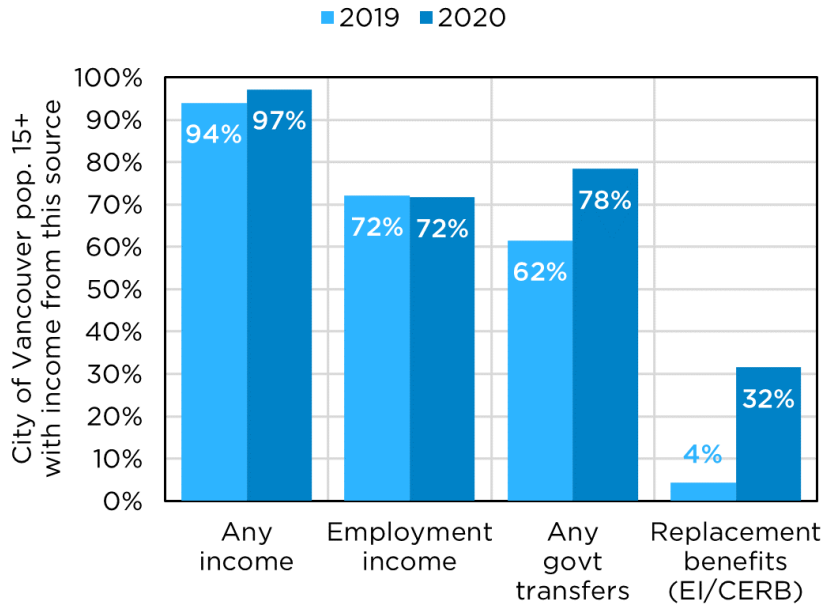


Data Source: BC Centre for Disease Control SPEAK (Survey on Population Experiences, Actions and Knowledge), May 2020 and Apr-May 2021  
Population categories ordered by variation shown in 2021 results. Data for Indigenous respondents have not been published.



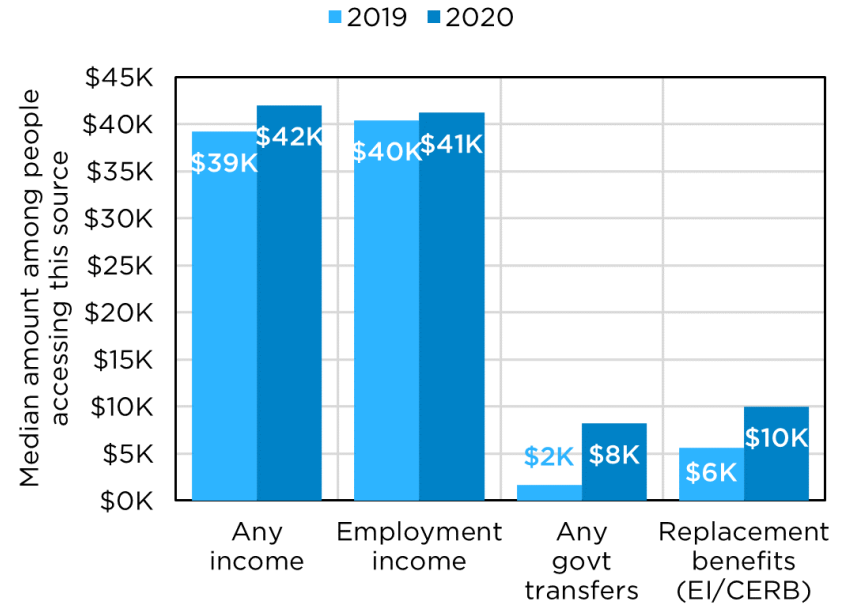
# But, incomes increased due to temporary programs

## Rate of Access to Income Sources, 2019-2020



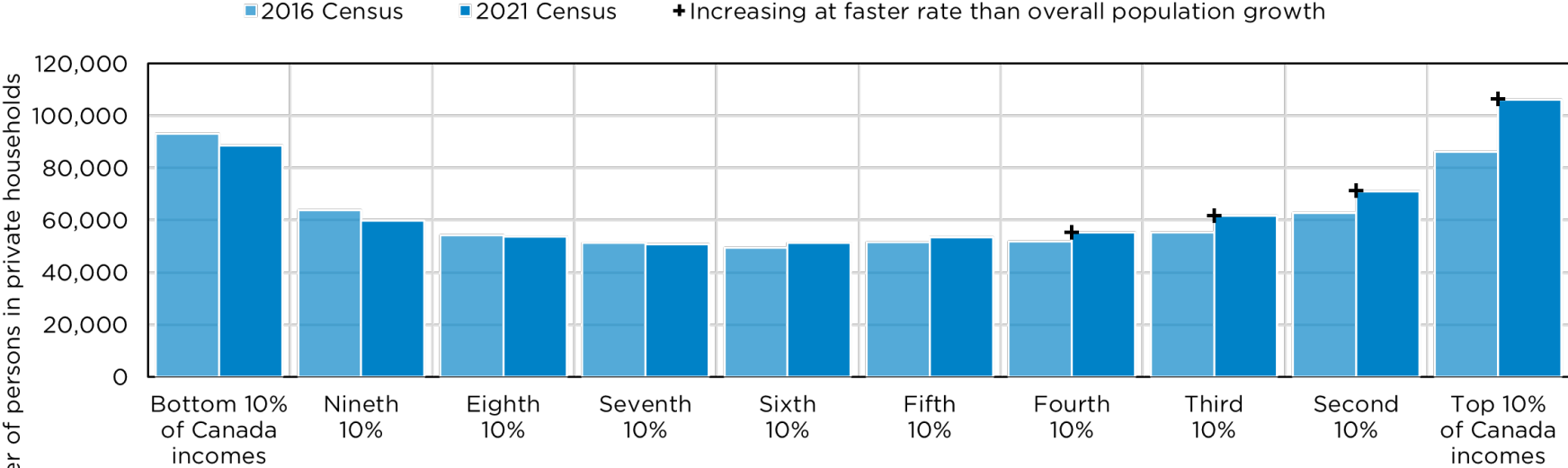
Data source: Statistics Canada, 2021 Census of Population

## Median Amount from Income Sources, 2019-2020



Data source: Statistics Canada, 2021 Census of Population

## City of Vancouver: Population Estimates by National Income Decile, 2016-2021



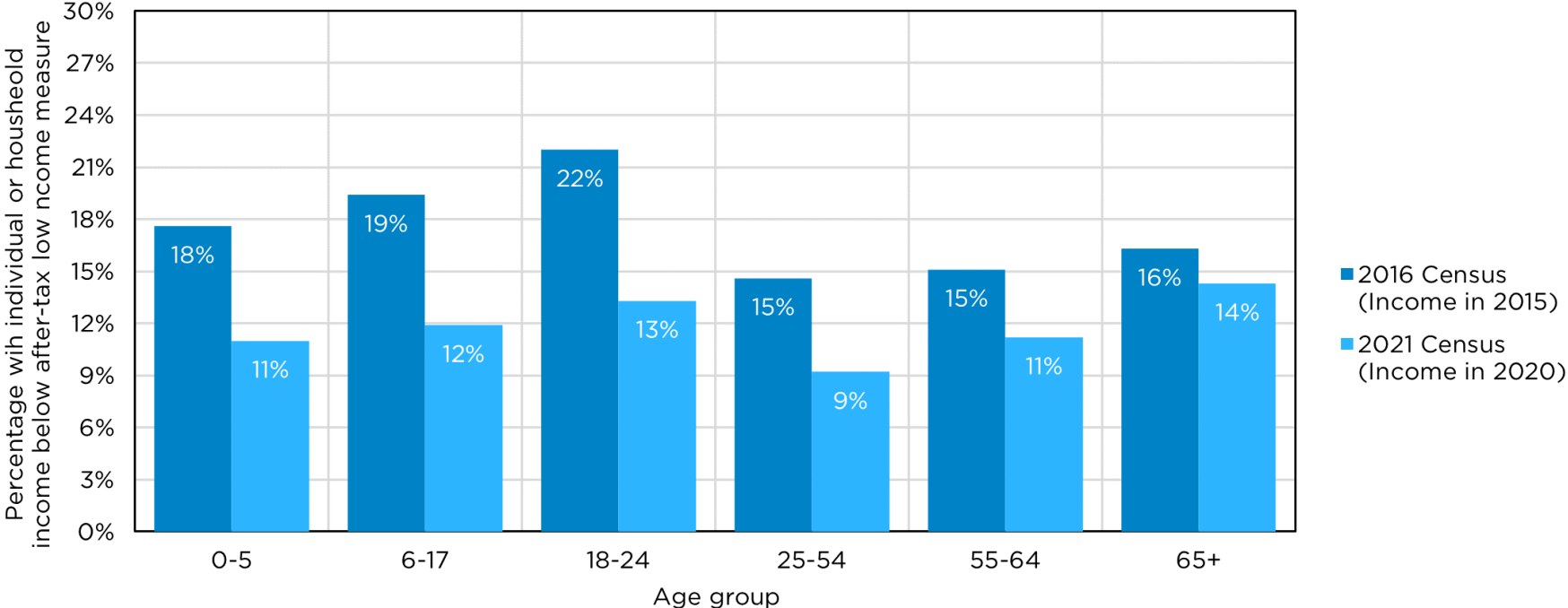
National income decile

Data Source: Statistics Canada, 2016-2021 Census of Population  
Deciles are based on adjusted after-tax family income in previous year

Number of persons in private households

# And not all populations saw a reduced low-income rate

## Metro Vancouver: Low Income Rate (LIM-AT) by Age, 2016-2021



Data source: Statistics Canada, 2016 and 2021 Census of Population

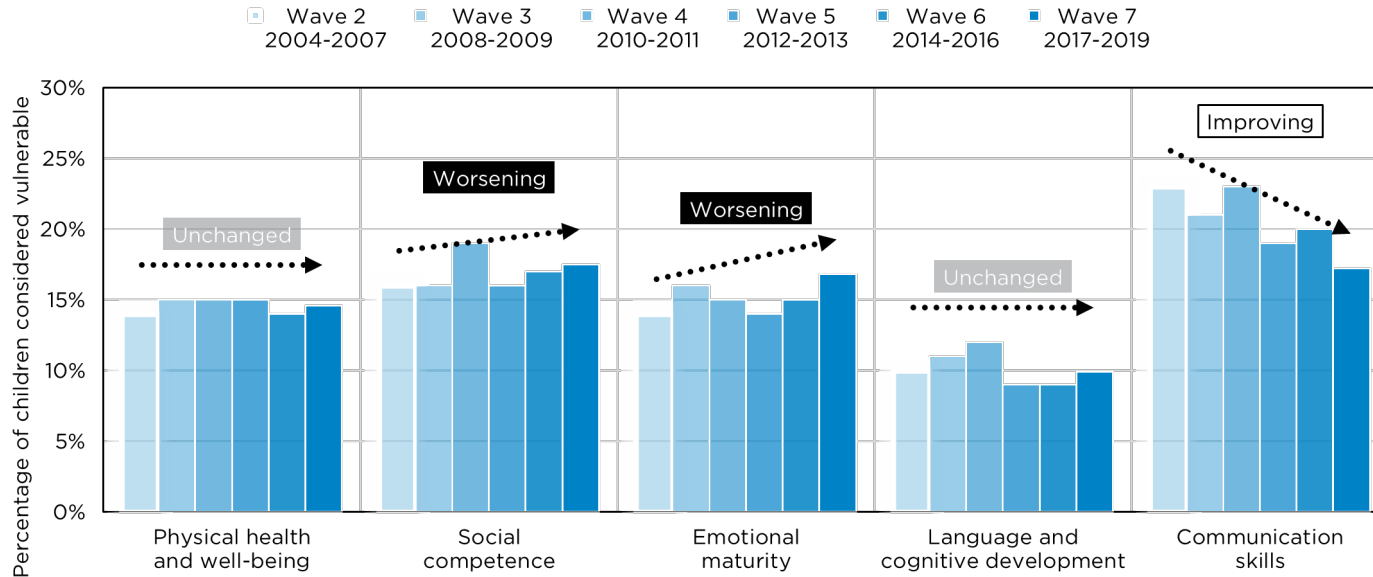
A photograph of a forest scene. In the foreground, a tree trunk is covered in moss. A rectangular wooden sign is mounted on the trunk, featuring the words "SLEEPLESS" and "NIGHTS" in a bold, sans-serif font. The background is a dense forest with trees and fallen leaves, some of which are brown, suggesting an autumn setting. The lighting is soft and natural, filtering through the trees.

SLEEPLESS  
NIGHTS

**How are we faring through different stages of the pandemic?**



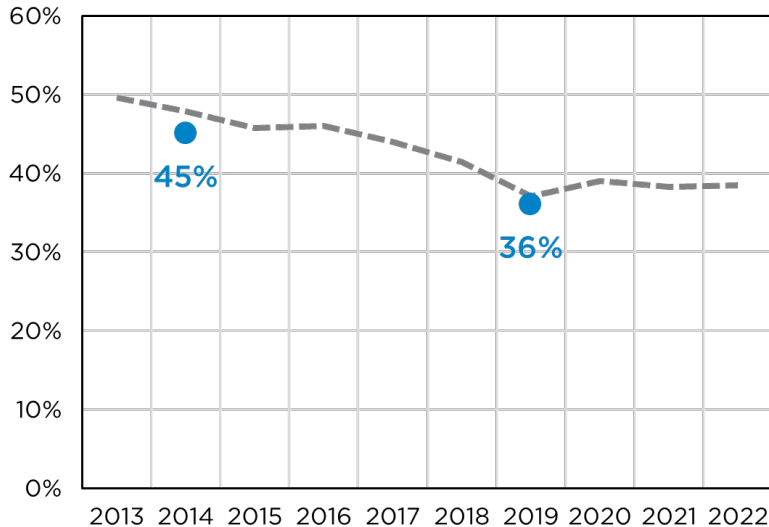
## City of Vancouver: Child Vulnerability Trends by EDI Domain, 2004-2019



Data Source: UBC Human Early Learning Partnership, Early Development Instrument  
Trend calculation by City of Vancouver staff using EDI Critical Difference formula from Wave 2 to Wave 7 survey

## Grade 4 Children "Thriving" on MDI Well-Being Index, 2013-2022

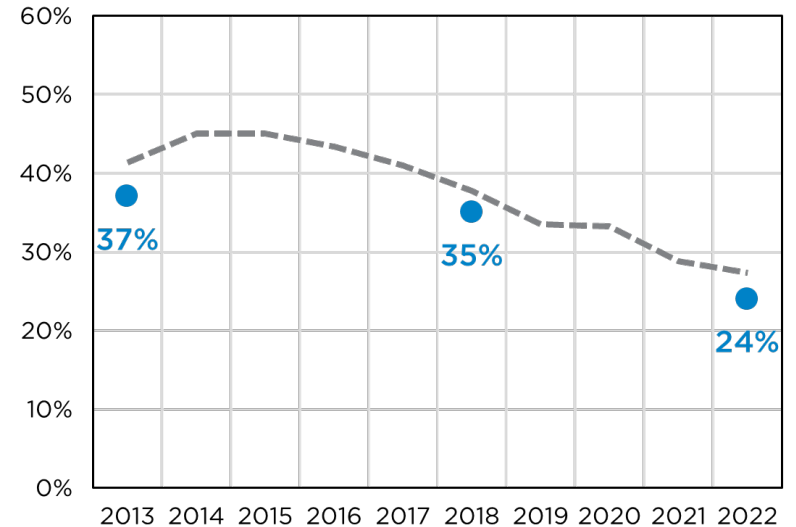
● Vancouver School District  
 - - - Avg for Participating Metro Vancouver Districts



Data Source: UBC Human Early Learning Partnership, Middle Years Development Instrument  
 Note that participating districts vary each survey year

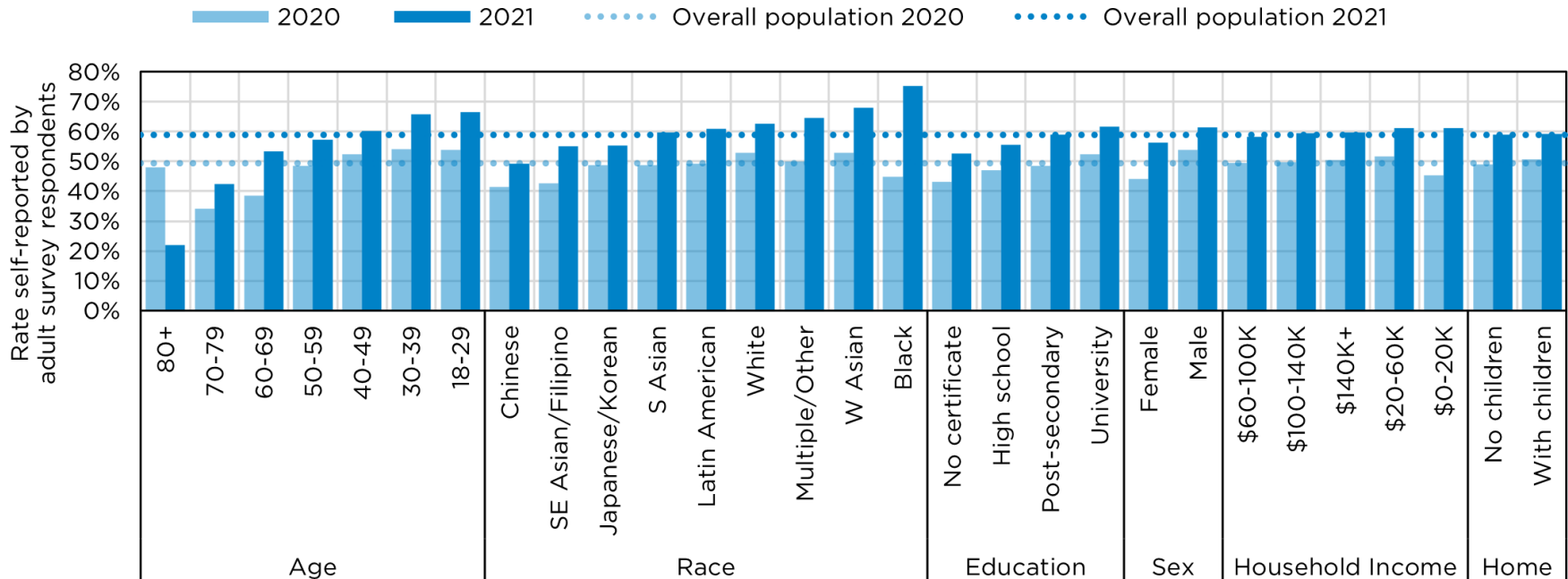
## Grade 7 Children "Thriving" on MDI Well-Being Index, 2013-2022

● Vancouver School District  
 - - - Avg for Participating Metro Vancouver Districts



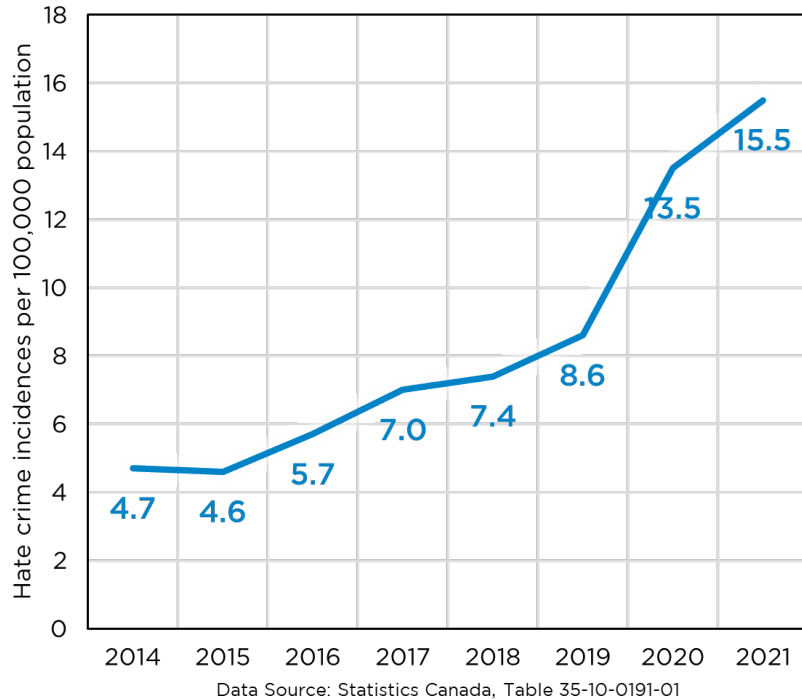
Data Source: UBC Human Early Learning Partnership, Middle Years Development Instrument  
 Note that participating districts vary each survey year

## Vancouver Residents With Worsening Mental Health, 2020/2021

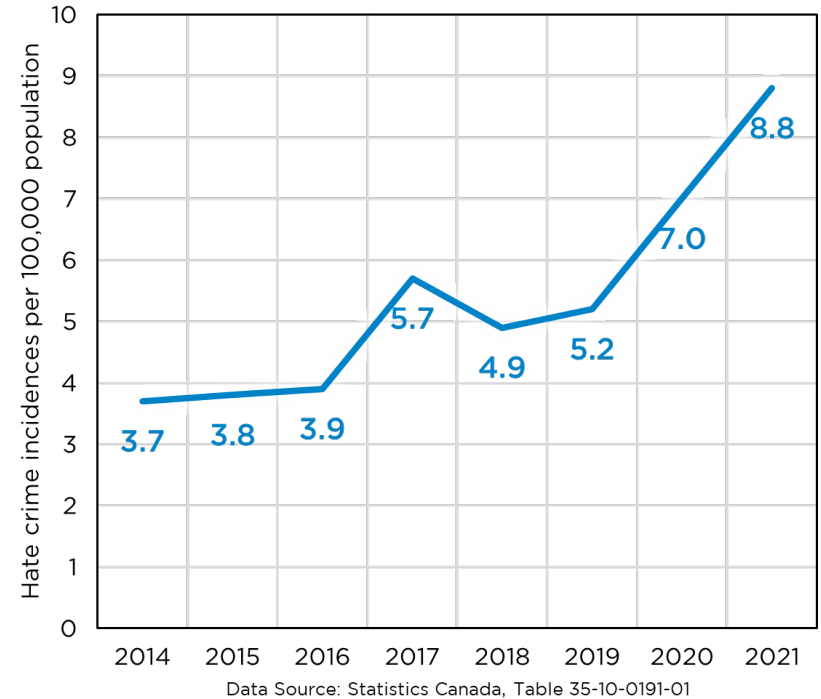


Data Source: BC Centre for Disease Control SPEAK (Survey on Population Experiences, Actions and Knowledge), May 2020 and Apr-May 2021  
 Population categories ordered by variation shown in 2021 results. Data for Indigenous respondents have not been published.

## Rate of Police-Reported Hate Crime in Metro Vancouver, 2014-2021

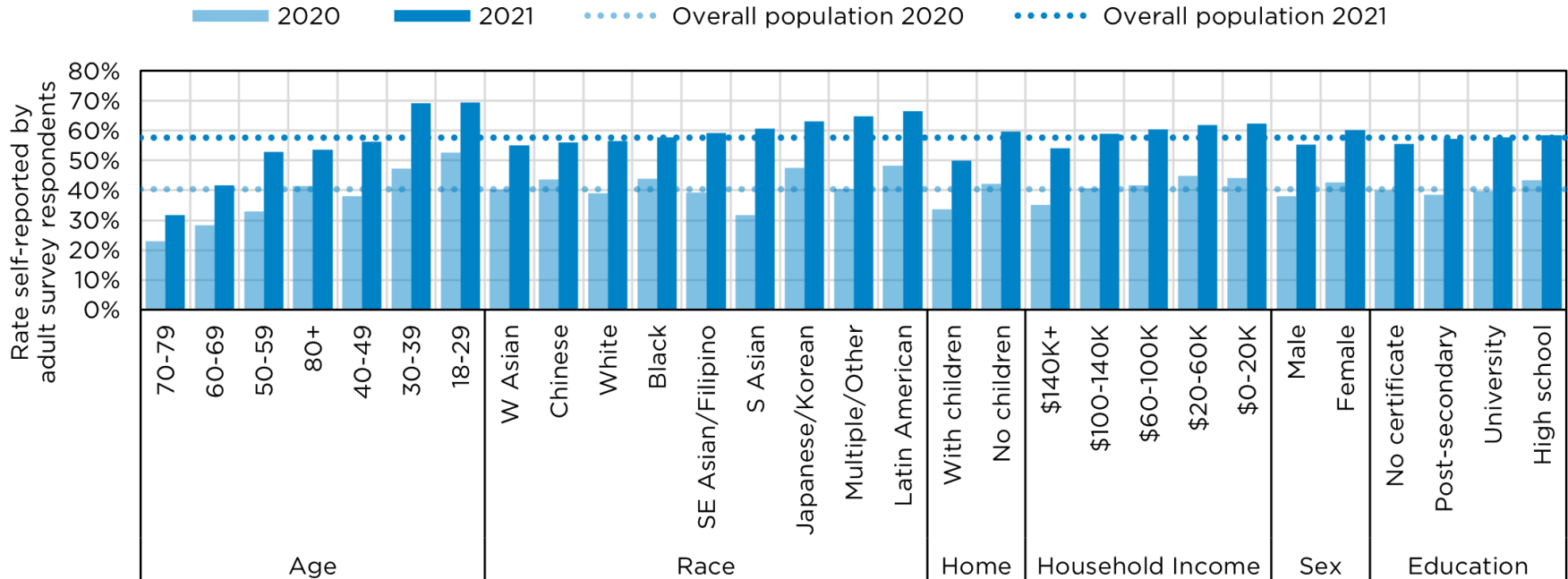


## Rate of Police-Reported Hate Crime in Canada, 2014-2021





## Vancouver Residents With Weak Sense of Belonging, 2020/2021



Data Source: BC Centre for Disease Control SPEAK (Survey on Population Experiences, Actions and Knowledge), May 2020 and Apr-May 2021  
 Population categories ordered by variation shown in 2021 results. Data for Indigenous respondents have not been published.

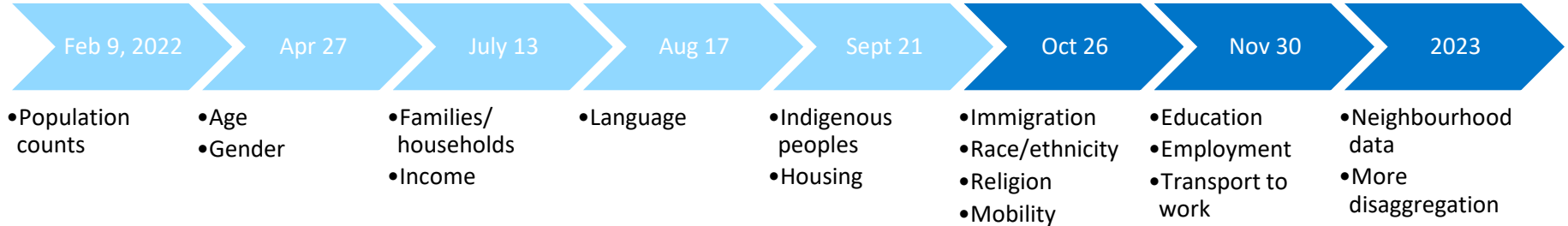
A photograph of a waterfall cascading down a rocky ledge in a dense, lush forest. Sunlight filters through the trees, creating a dappled light effect. The water is captured with a slight motion blur, giving it a soft, ethereal appearance. A semi-transparent blue banner is overlaid across the middle of the image, containing white text.

**What data do we have? | What data do we need?**

- **What story would you tell about the data we've seen today?**
  - How might it inform your/your organization's work?
- **Is your community's experience reflected in this story?**
  - If not, what data do you have that we can build a more complete story with?
- **What questions do you have that population-level data might be able to answer?**



Romane Bladou, "All That We Cannot Grasp" *Platforms 2022 public art series*  
šx'łexən Xwtl'a7shn plaza



- **Many updates** to census concepts, variables and terms in 2021 Census
- **Initial releases** include regional and city-wide data, as well as local data at Statistics Canada geographies like census tracts
- **City will access neighbourhood data and custom tabulations** in 2023 and beyond



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# 2021 Census: Results on Gender Diversity

Statistics Canada

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# Break

Reconvene in 10 minutes

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# New tools for engagement

Exploring and expanding the Healthy City Dashboard

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## Some big (long-term goals)

- Share information that's current, relevant and supports work toward a more equitable city
- Develop more interactive, accessible and engaging ways of sharing data
- Use mixed methods, combining numeric indicators with qualitative data, narrative and storytelling
- Enable community-generated and community-governed data
- Turn research into an ongoing conversation that informs City and community work



- **Holistic and interconnected framework:** basic needs, community connections and engagement, environmental health
- **Upstream, prevention-oriented approach:** both universal and targeted initiatives
- **Collaboration, innovation and systems change** beyond City jurisdiction and action
- **Big and complex** strategy
- **Data has been essential** throughout

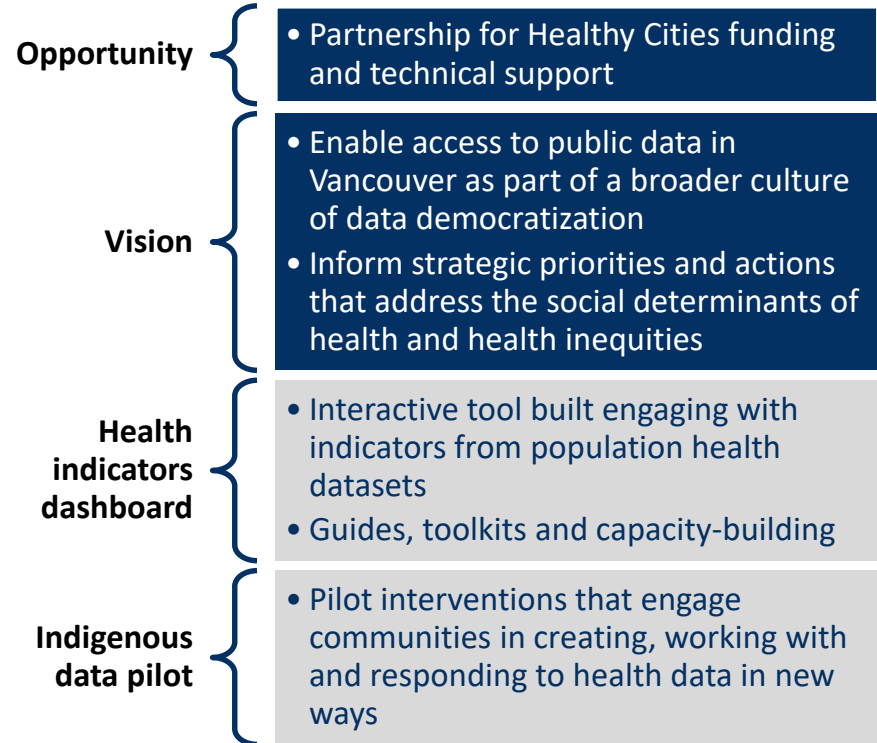


## Democratizing data: making health indicators accessible and engaging

- Challenges: paper reports maintained in manual systems; engagement through one-on-one conversations and custom materials

## Decolonizing data: enabling more community-created indicators

- Challenges conventional data sources tend to produce deficit-based indicators, not always collected in a safe way



# Healthy City Dashboard: initial development 2021-2022

The screenshot shows a table of goals and indicators. The 'Goals and Indicators' section lists various metrics such as 'Percentage of the population with a healthy lifestyle', 'Percentage of the population with a healthy weight', and 'Percentage of the population with a healthy diet'. The 'Key Objectives' section lists '1. Growing our economy', '2. Improving our environment', '3. Supporting our communities', and '4. Supporting our residents'. The 'Key Performance Indicators' section lists '1. Economic growth and innovation', '2. Environmental sustainability', '3. Community well-being and equity', and '4. Quality of life and social equity'.

**Healthy City Strategy foundation**

- Existing targets and indicators approved by council in 2014



The screenshot shows a data portal interface. It features a '4 datasets' section with a search bar and filters. The datasets listed include 'Employee remuneration and expenses', 'Council budget and expenses', 'Road Ahead upcoming projects', and 'Road Ahead projects under construction'. Each dataset has a 'Last modified' date and a 'View' button. The interface also includes a 'View' section with options for 'All', 'Current year', and 'Range', and a 'Theme' section with options for 'Business and economy', 'Culture and education', 'Demographics', 'Road and housing', 'Community and emergency', and 'Government and finance'.

**IT infrastructure and support**

- City metrics repository
- Open data portal
- City services dashboard template



The screenshot shows the 'Healthy City Dashboard' interface. It features a 'Explore' section with '23 indicators in 12 goals'. A 'A Good Start' section shows a progress bar for '65%' completion. The dashboard also includes a 'Data Owner' section with the BC Government and Statistics Canada, and a 'Data Team' section with various city departments.

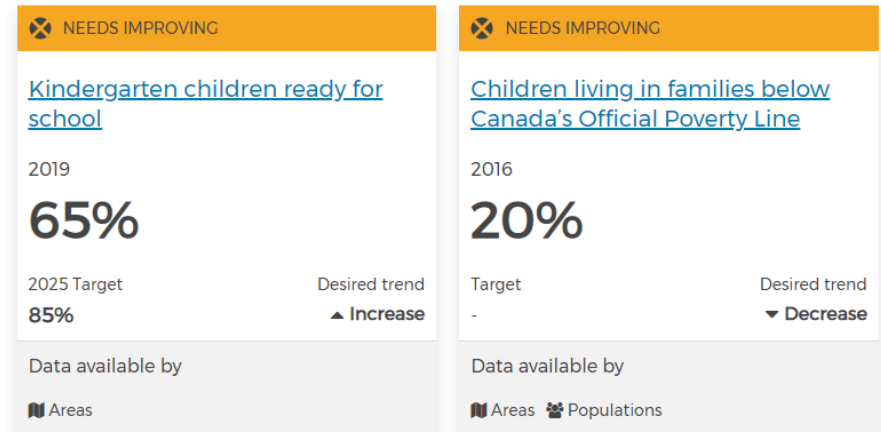
**Phase 1 dashboard**

- 23 initial indicators prioritized

- **Landing page:** quick snapshots of key indicators
- *Currently a selection of indicators adopted with the original Healthy City Strategy in 2014, but goal to update, expand and incorporate other strategies under the HCS*

## 1 - A Good Start

A good start is critical for our health and well-being throughout life. We need a safe home, nutritious food, supportive relationships, and opportunities to learn and connect. Investing in children and youth supports them to have all they need to thrive in life.



- **Indicator page:** time series, trend assessment, rationale, data sources, commentary
- *Currently interpretation and commentary by City staff, but long-term goal to enable community sense-making and storytelling*

## Kindergarten children ready for school

NEEDS IMPROVING

2019

65%

2025 Target

85%

Desired trend

▲ Increase



- **Tags:** data on key partners and alignment with UN Sustainable Development Goals, showing related indicators
- *Currently static text, but long-term goal to enable more meaningful alignment and integration with other frameworks and strategies*

## Key Partners

Meeting our target requires support from:

Provincial government

## Sustainable Development Goals

This indicator aligns with:

Quality education

Related indicators:

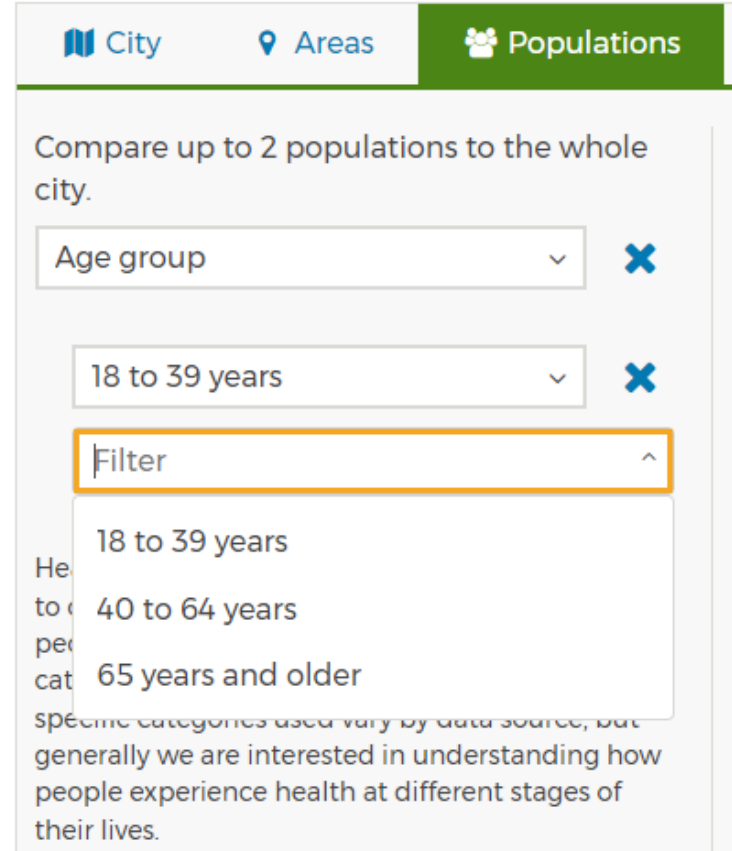
- [Participants in library programs](#)
- [High school graduation within 6 years](#)



- **Areas view:** neighbourhood data over time
- *Intended to inform local service planning, analysis and capacity-building*

The screenshot shows a web interface for the 'Areas view'. At the top, there are two tabs: 'City' and 'Areas', with 'Areas' being the active tab. Below the tabs, there is a text instruction: 'Compare up to two Local areas to City by using the drop downs or map.' This is followed by two dropdown menus. The first dropdown is set to 'Hastings-Sunrise' and has a blue 'X' icon to its right. The second dropdown is set to 'Select another area'. Below the dropdowns is a map of Vancouver with its various local areas outlined. One area, Hastings-Sunrise, is highlighted in orange. To the right of the map are zoom controls with '+' and '-' buttons. At the bottom of the map, there is a footer: 'Leaflet | Powered by Opendatasoft - Tiles Courtesy of jawg - Map data © OpenStreetMap contributors'.

- **Populations view:** disaggregated data for specific categories of people
- *Important to provide data in a way that directs attention to systems, not individuals*



City Areas Populations

Compare up to 2 populations to the whole city.

Age group

18 to 39 years

Filter

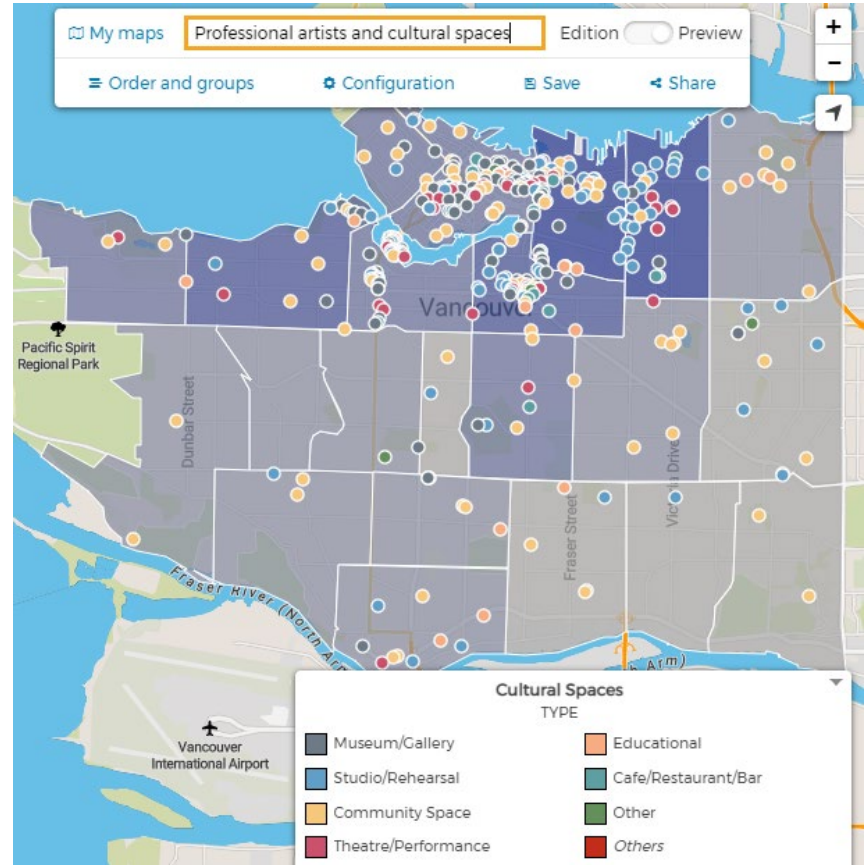
18 to 39 years

40 to 64 years

65 years and older

He...  
to c...  
pe...  
cat...  
specific categories used vary by data source, but generally we are interested in understanding how people experience health at different stages of their lives.

- **Datasets, chart builders, map builders:** download data and build your own visualizations combined with other open datasets

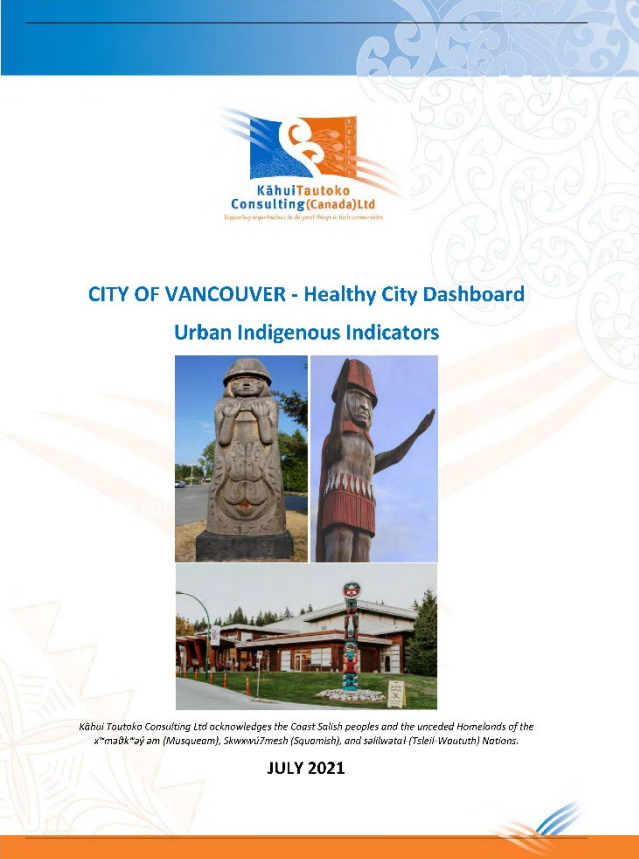


## Pilot project

- Summer 2021: identified potential community-grounded indicators
- Report at <https://vancouver.ca/social-policy-research>

## Next steps

- Working with community to scope potential data governance models
- Identifying data sources and prioritizing indicators for inclusion in dashboard



The screenshot displays the 'CITY OF VANCOUVER - Healthy City Dashboard' with a focus on 'Urban Indigenous Indicators'. At the top, there is a blue header bar. Below it, the logo for 'Kāhui Tautoko Consulting (Canada) Ltd' is visible, featuring a stylized figure and the text 'Supporting organizations to do good things in their communities'. The main content area shows two photographs of Indigenous art: a large stone carving of a person and a tall wooden pole with a figure. Below these is a photograph of a building with a sign that reads 'MUSQUEAM'. At the bottom of the dashboard, there is a caption: 'Kāhui Tautoko Consulting Ltd acknowledges the Coast Salish peoples and the unceded Homelands of the xʷməθkʷəy̓əm (Musqueam), Skwxwú7mesh (Squamish), and səlilwətał (Tsleil-Waututh) Nations.' and the date 'JULY 2021'. The dashboard is overlaid with a decorative pattern of white and orange geometric shapes.

- **Are there indicators already in the dashboard** that tells an important story about your community or the work you are doing?
- **Are there indicators you would like to explore in more depth** or help make sense of?
- **Are there indicators missing** that we should prioritize adding to the dashboard?

<https://opendata.vancouver.ca/pages/healthy-city-dashboard/>



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# Data sovereignty and governance

Representing community

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# Data Sovereignty & Governance

REPRESENTING COMMUNITY



# What is Data Sovereignty?

- ▶ Data Sovereignty focuses on both the **Individual** and **Collective**. Collective Data Sovereignty is an emerging discussion, focused on communities that are Equity Deserving, and has been driven by Indigenous Communities in discussions about operationalizing decolonization concepts and building more reciprocal nation-to-nation relationships.
- ▶ Data Sovereignty enables communities and individuals to have control over their data, meaning that they own and control how this information can be collected, stored, interpreted, used, shared, and eventually destroyed.
- ▶ Data sovereignty provides the means to prevent unwanted access by, for example, un-vouched contractors and support staff
- ▶ This includes the protection of sensitive, private data and ensures it remains under the control of its owner, ie the person and/or community that is sharing the data
- ▶ Data Governance Models and Processes are the **mechanisms** to enable Data Sovereignty





# Why does it matter?

- ▶ Ultimately we are trying to serve the communities and individuals we are collecting data from, and our processes should reflect this.
- ▶ Harm has resulted from people and groups feeling over-researched and under-engaged throughout the full process of narrative development.
- ▶ “Nothing about us without us”: our work is inherently about working together to address systemic inequities.



# Environmental Scan points to need for this emerging discussion

## FNIM DATA & TECHNOLOGY ADVISORY CIRCLE

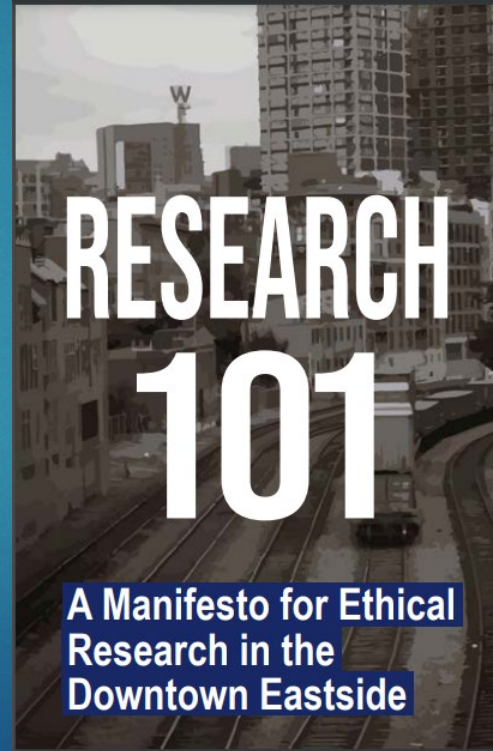
Call for Membership



TORONTO

# RESEARCH 101

A Manifesto for Ethical  
Research in the  
Downtown Eastside





# Our Current Projects

- ▶ Interdepartmental community of practice for data equity and decolonization
- ▶ Community data governance working group
- ▶ Urban Indigenous communities





# Co Creation for Sharing Power



# Outcomes of Data Sovereignty

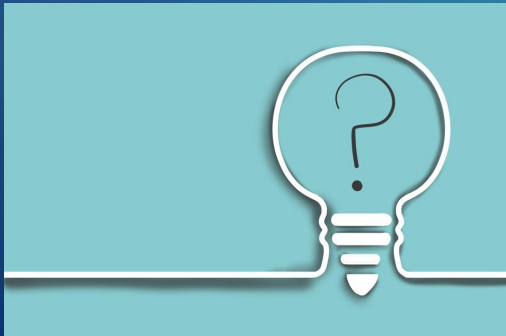
- ▶ Builds trust between partners
- ▶ Decreases bias
- ▶ Improves research quality and relevance
- ▶ Promotes meaningful capacity development and community empowerment to make change
- ▶ Reduce community harm (physical, psychological, social harm, economic, legal and relational)





# Question #1

**How should the City share  
information garnered from the  
Grant Applications back to  
you?**



## Question #2

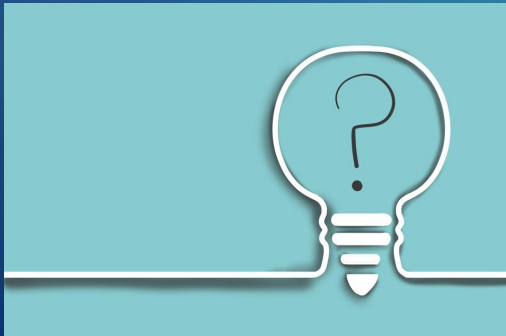
**What information would you find useful to know about the sector and specifically those who receive grants from the City?**





## Question #3

**Is there other information we should be collecting about equity deserving communities in the City that you would find useful to further your work?**



## Question #4

**Are you or folks in your communities interested in being engaged in an ongoing way about data governance? How?**







# Links for Reference

- ▶ <https://fnigc.ca/>
- ▶ <https://planh.ca/>
- ▶ <https://www.vitalstrategies.org/>
- ▶ [Home \(making-space.city\)](#)
- ▶ [https://sfpirg.ca/wp-content/uploads/2020/02/Research101\\_Manifesto.pdf](https://sfpirg.ca/wp-content/uploads/2020/02/Research101_Manifesto.pdf)
- ▶ <https://secure.toronto.ca/pa/decisionBody/922.do#:~:text=The%20mandate%20of%20the%20FNIM,collection%20and%20digital%20technology%20initiatives.>

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# Closing

Reflections and next steps

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- **Try to understand a rapidly-changing world** at many scales simultaneously
- **Enable action based on many different types of evidence** toward health, equity and sustainability for everyone in the city
- **Do data in a more equitable and decolonized way** that is co-created with the communities affected



- **Your feedback and suggestions** are welcome
- **Stay in touch:** <https://vancouver.ca/social-policy-research> or [socialpolicy.research@vancouver.ca](mailto:socialpolicy.research@vancouver.ca)
- **Please reach out** if we can help you access data to inform your work
- **Thank you** for attending!

