



UNIVERSITY OF
TORONTO
SCARBOROUGH

Mobilizing Justice Partnership

Ignacio Tiznado Aitken, PhD
Acting Director MJ

Jaimy Fischer, PhD
Knowledge Mobilization Lead MJ

CIP Workshop
May 23rd, 2024

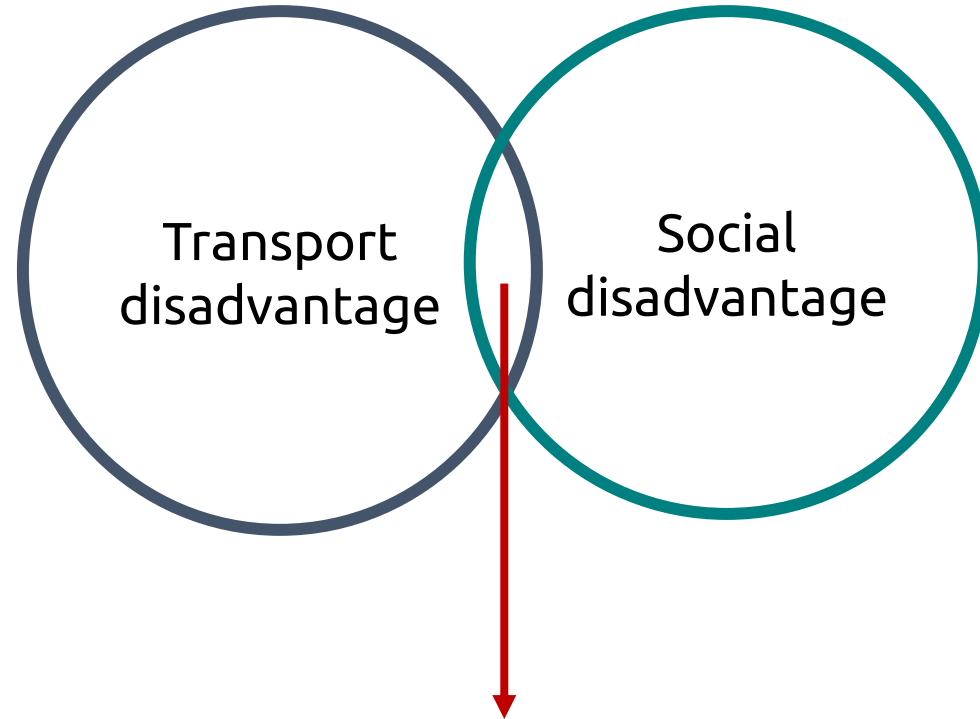
Mobilizing Justice (MJ) – Towards Evidence-Based Transportation Equity Policy

A multi-disciplinary and multi-sector
5-year partnership (2021-2026)

Sustainable connections for research
and knowledge exchange to address
transportation inequities in Canada



Transport poverty



Nearly **one million** low-income individuals live in urban areas with low transit accessibility in Canada (Allen & Farber, 2020)

Intersectoral partnership



The partnership spans 6 provinces and 10 metropolitan areas.

- 12 universities
- 8 municipal governments, 6 provincial and federal agencies
- 8 non-profits, and 7 private sector firms

Municipal and Government Partners



Industry Partners



Nonprofit Partners



Leadership Committee (LC)
MJ Central Team
WG Leads
KMC Lead
CEAT Co-Chair

MJ Central Team
Lead (PD): Steven Farber
Acting Director (AD): Ignacio Tiznado-Aitken
Knowledge Mobilization Lead (KM): Jaimy Fischer
Project Manager (PM): Jasmine Mohazab

Community and Equity Advisory Table (CEAT)
Lead: Steven Farber (PD)
Co-Lead: Pamela Spurvey
Facilitator: Chanel Grenaway
Coordination: MJ Central Team

Knowledge Mobilization Committee (KMC)
Lead: Jaimy Fischer (UofT)
Future steps:
• Knowledge Translation Expert (KTE)
• WG Designees
• 4 Rotating Partner Representatives

Advisory Panel (AP)
Lead: Irena Creed (UTSC)
James Perttula (City of Toronto)
Craig Lametti (Urban Strategies Inc.)
Kathleen Llewellyn-Thomas (TTC)
Paul Storer (City of Vancouver)
Sean Keenan (Infrastructure Canada)
Mary Rowe (Canadian Urban Institute)
Karen Chapple (UofT)

Theme and Activity Working Groups (WGs)

T1: Prioritizing Populations
Academic Lead: Léa Ravensbergen (McMaster)
Partner Lead: Jean-Francois Cantin (ARTM)

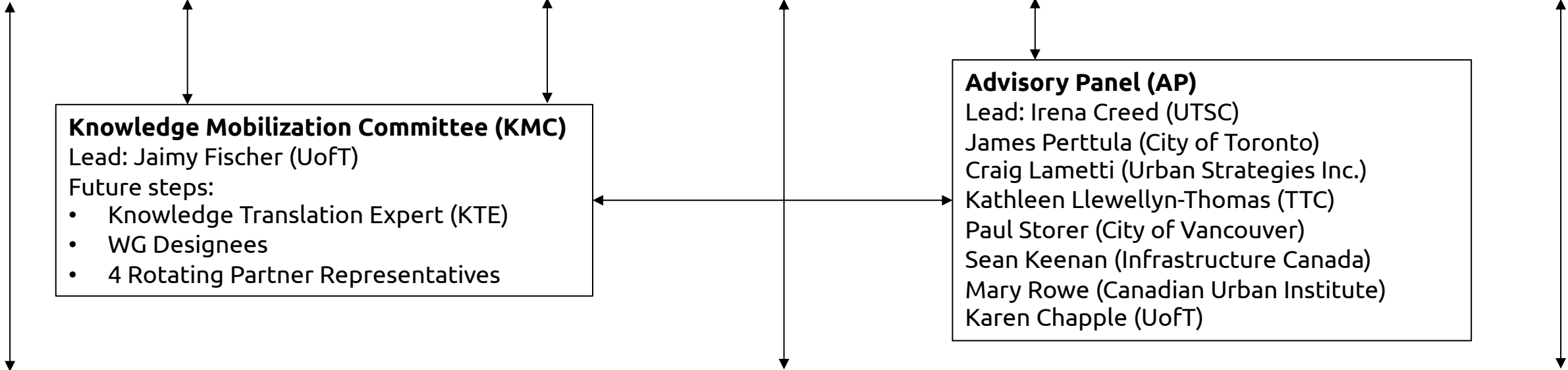
T2: Transportation Modes
Academic Lead: Meghan Winters (SFU)
Partner Lead: Nancy Smith Lea (TCAT)

T3: Equitable Community Planning and Engagement
Academic Lead: Orly Linovski (UofM)
Partner Lead: Isabel Cascante (United Way)

A1: Transport Poverty Survey
Academic Lead: Catherine Morency (MtlPt)
Partner Lead: Howaida Hassan (City of Edmonton)

A2: Data Driven Equity Standards
Academic Lead: Antonio Paez (McMaster)
Partner Lead: Michael Hain (City of Toronto)

A3: Pilots and Experimentation
Academic Lead: Matthew Palm (UNC)
Partner Lead: Sherwood Plant (City of Vancouver)



Main objectives

1. **Document, describe, and assess** the causes, scale, effects of, and responses to transport poverty in Canada
2. **Develop** validated transportation equity standards and equitable planning processes to be used by transport planners, decision-makers, and community advocates
3. **Evaluate** solutions to address transport poverty by conducting field experiments and socioeconomic evaluations of smart mobility and transportation policy pilots across Canada

A map of the Montreal region and surrounding areas, including parts of Quebec and Ontario. The map is overlaid with a semi-transparent purple color, indicating areas of high transportation equity analysis. Major roads and highways are visible, along with various municipalities and geographical features like lakes and rivers. The text 'Transportation Equity Dashboard' is prominently displayed in the upper left quadrant.

Transportation Equity Dashboard

An Online Map Tool for Spatial Accessibility and Equity Analysis

Governments are investing billions in sustainable transportation infrastructure

- Need for measurement framework to:
 - **Identify** areas with inadequate transportation connectivity
 - **Monitor** impact of transportation infrastructure improvements, policy interventions, changes in land use planning over time
- Need to increase equity and social inclusion
 - 1 million low-income Canadians without adequate transportation
 - Pinpoint **disparities** in transportation access for different populations in need
 - Fairly allocate **resources**

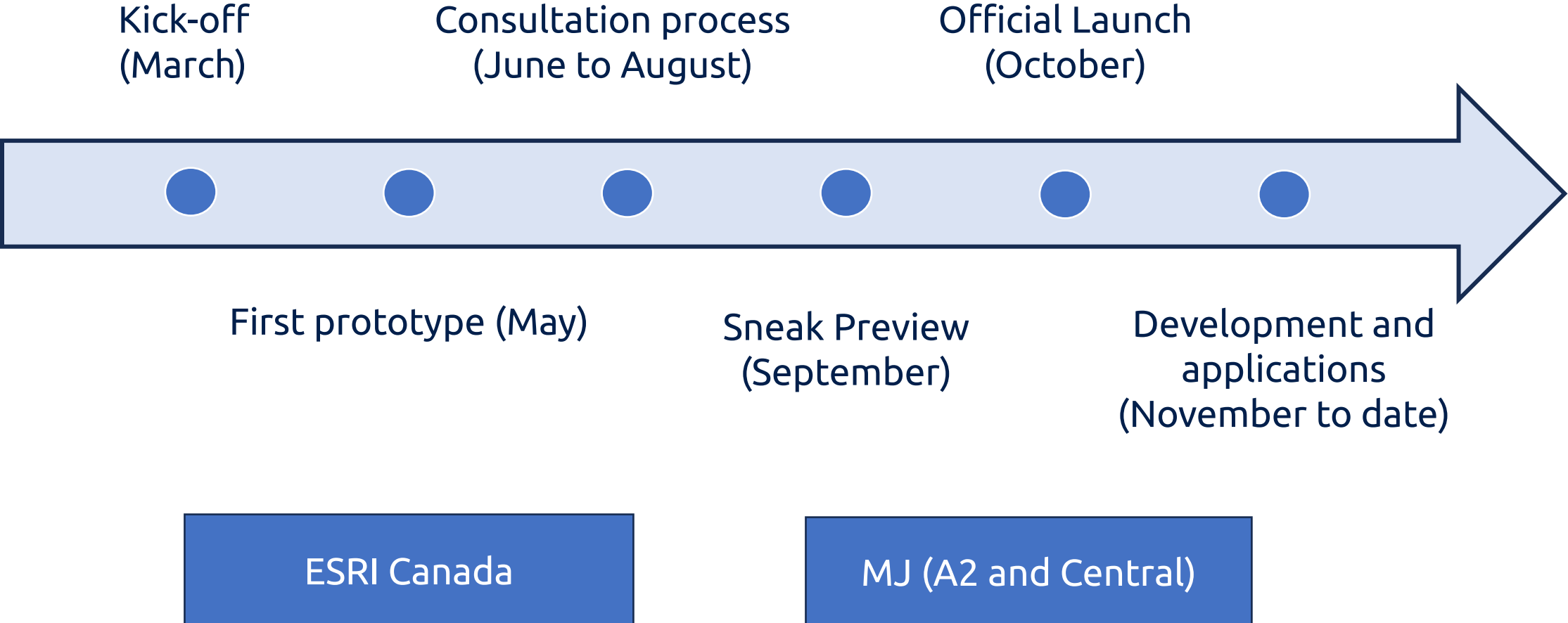
Dashboard: Purpose statement



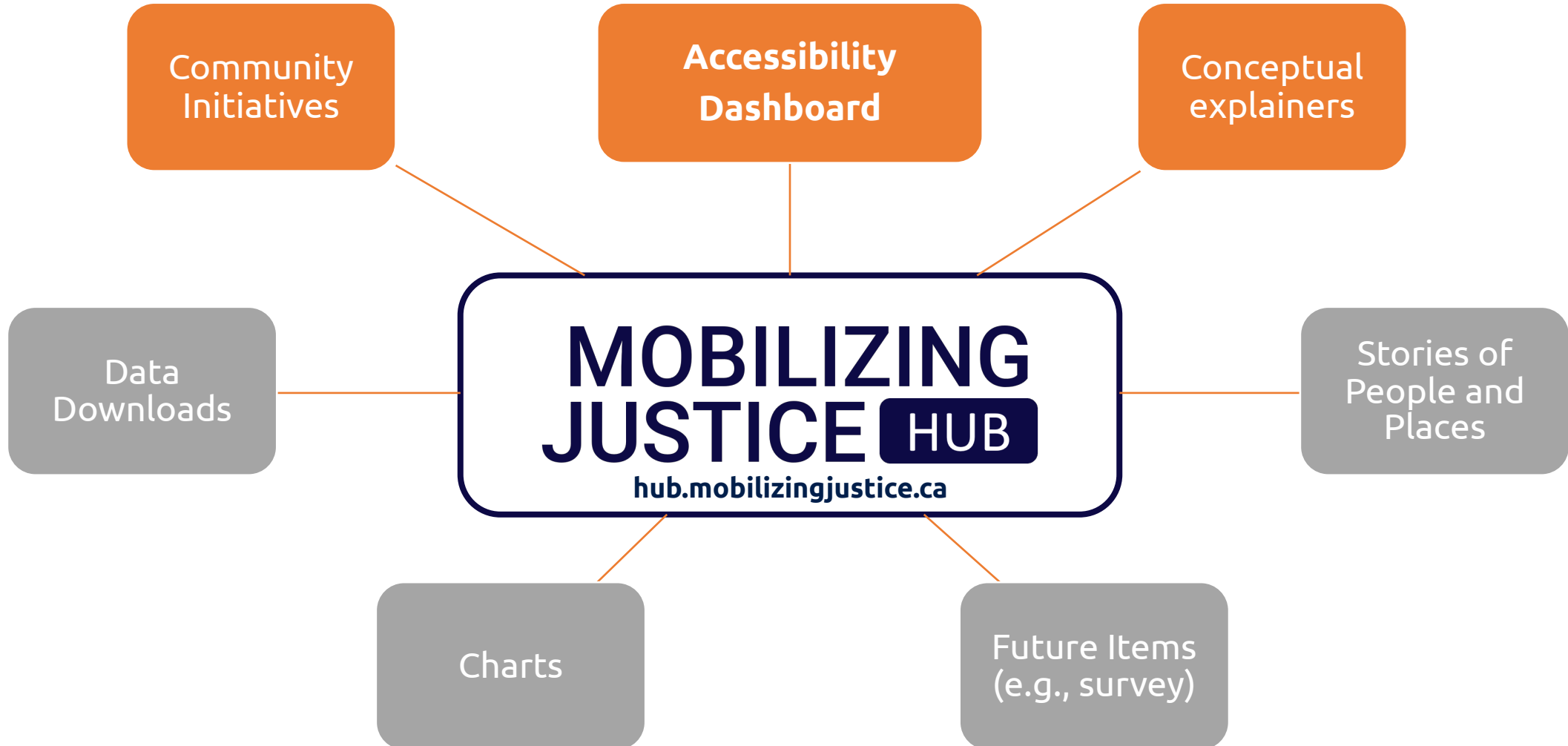
In our endeavor to foster transport equity in Canada, we created an online dashboard to serve as a **tool for community action on transport poverty**.

We leverage spatial accessibility measures and apply an equity lens to empower communities, researchers, urban planners, and decision-makers to explore, analyze, and advocate for transportation systems that are fair, inclusive, and accessible to all.

Timeline and team



MJ Hub



Dashboard components



Spatial Access Measures (SAM)

Specific context: the potential to reach daily needs using sustainable transportation

Contextual use: “spatial access to daily needs”, “accessibility to employment” etc.

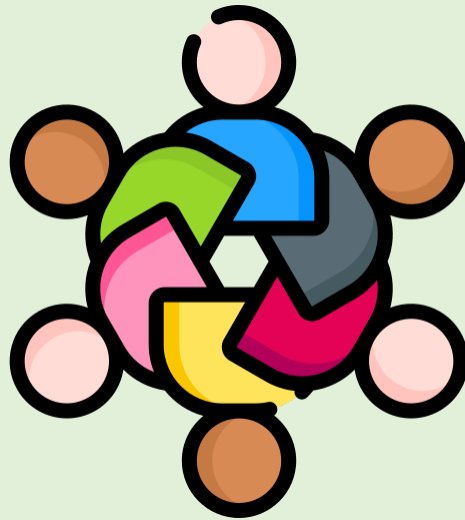
Ableist assumptions – key limitation

Dashboard components

SAM



Census



Charts



Explainers



Transport Equity
Concepts



Populations
at risk



Spatial Access
Measures



SAM Data
Modeling



Glossary
of Terms

Potential users



Residents

- Learn about transport poverty
- Compare my neighbourhood to others
- Get a sense of what different levels of accessibility mean to people
- General city and provincial trends?



Activists

- Tell stories with maps and data
- Support advocacy at different levels of government
- Identify opportunities for change
- Engaging communities



Planners

- Identify problem concentration
- Analyze transit corridors
- Create reports using screen captures and data
- Know more about the methodology



Decision Makers

- Evidence to support policy agenda
- Comparing cities and/or provinces
- Mapping infrastructure data



Super Users

- Download data
- Read detailed documentation
- Reproduce methodology
- Obtain citation information

Explore Transportation Equity!

By toggling the different modes and destinations on this map, you can explore how easy it is to get to services like schools, grocery stores, and recreation centres by walking, cycling, or public transit.

Step 1: Select a Transportation Mode

Public Transit Peak ⓘ

Step 2: Pick a Destination

Healthcare Facilities ⓘ

Step 3: Adjust the Access Indices

CSD ⓘ

Step 4: Choose a Population Group

Population 0-14 ⓘ

Highlight Priority Neighbourhoods ⓘ

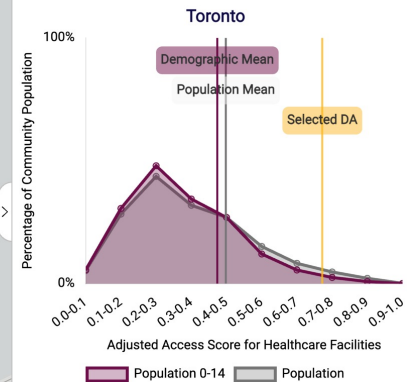
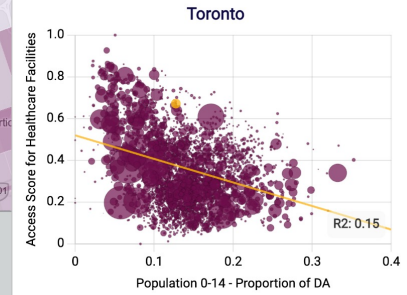
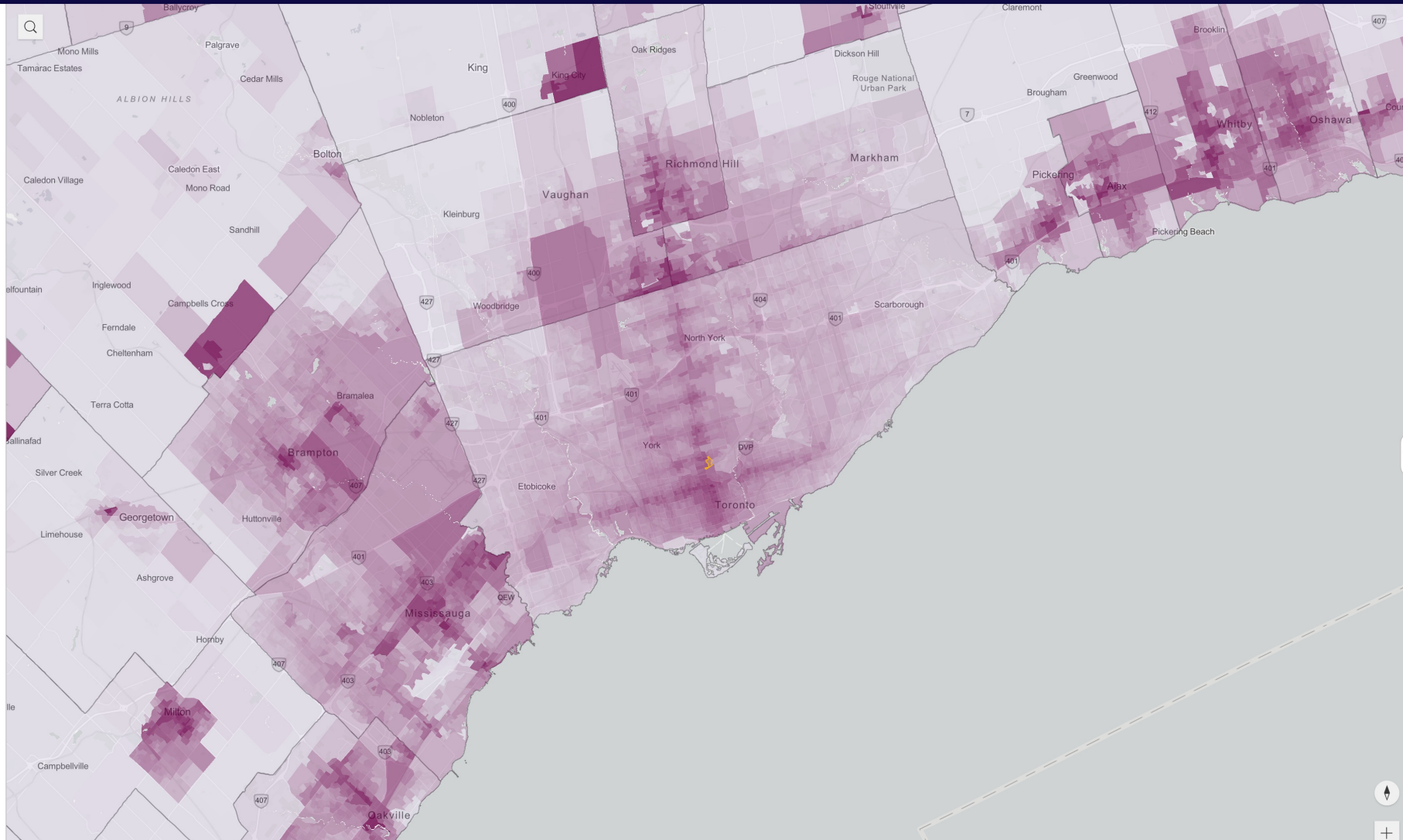
View Population Points ⓘ

Access Score

1.00

0.00

No access to selected mode or destination.



Demonstration

dashboard.mobilizingjustice.ca