

PATHWAYS TO EQUITY WORKSHOP: HOUSING SECURITY AND NEIGHBOURHOOD SAFETY

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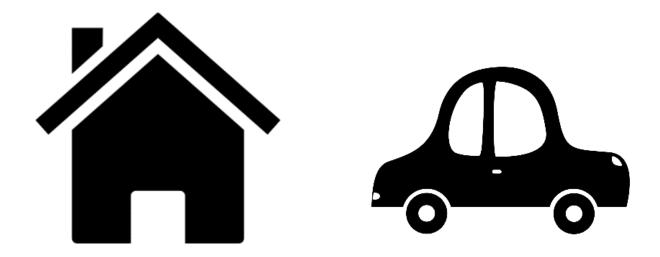


Dr. Jill Blakley & Scott Bell University of Saskatchewan



Setting the Stage

 Shelter (housing) and transportation are the two largest household costs for Canadian households



In 2021, housing and transportation accounted for 31.4% and 15.0% of total spending, respectively (Statistics Canada, 2023).



Setting the Stage

- For lower income households (in the bottom 20% of households), transportation costs were even higher than other households!
 - In 2023, cost-of-living increases especially for housing and transportation outpaced income gains for lower income households (Statistics Canada, 2024).



Affordability = Housing cost + transport cost

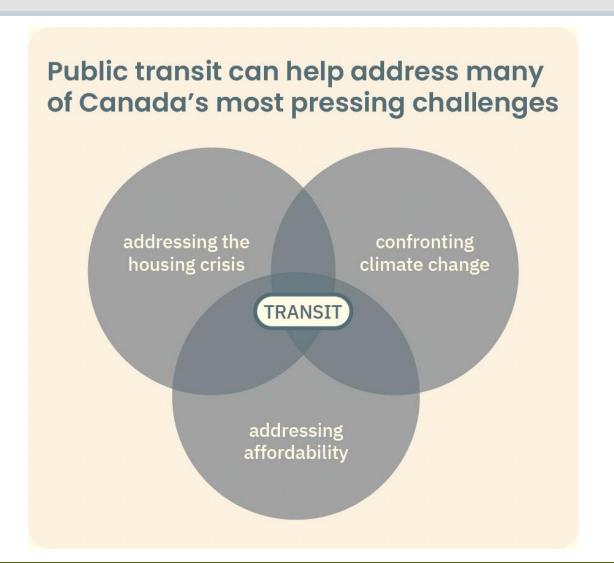
 As living in certain locations adds to living costs by increasing transport costs, both housing and transport costs should be considered to understand affordability.



Transit can help....









... Federal initiatives



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FRANÇAIS

What can we help you find?





<u>Home</u> > <u>Professionals</u> > <u>Project funding and mortgage financing</u> > <u>Funding programs</u> > <u>All funding opportunities</u> > Housing Accelerator Fund





<u>SAVE</u>



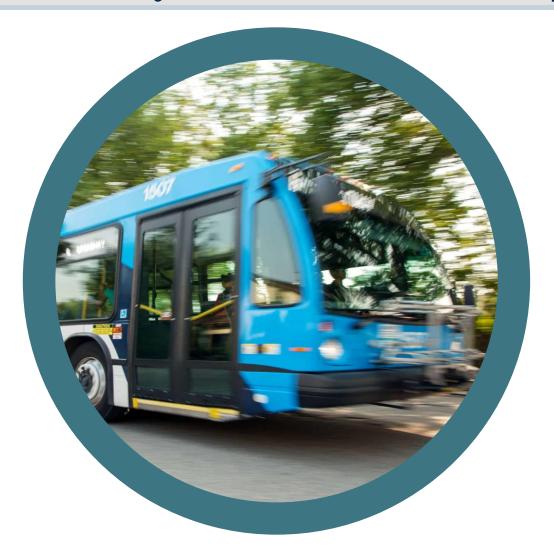
Housing Accelerator Fund

Removing barriers to encourage local initiatives to build more homes, faster. The Fund is helping to boost housing supply, while supporting affordable, diverse and climate-resilient communities.

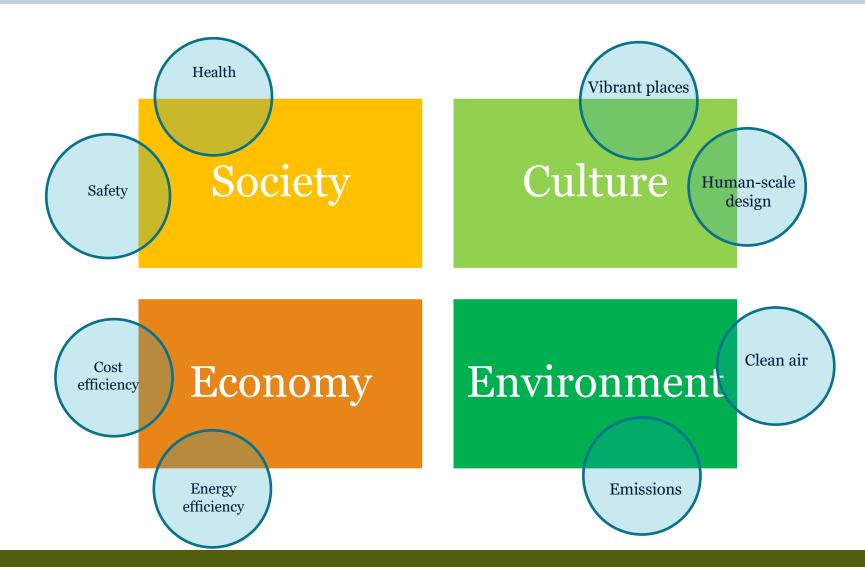




.. Transit is centrally introduced to help...



.. besides affordability





Research questions

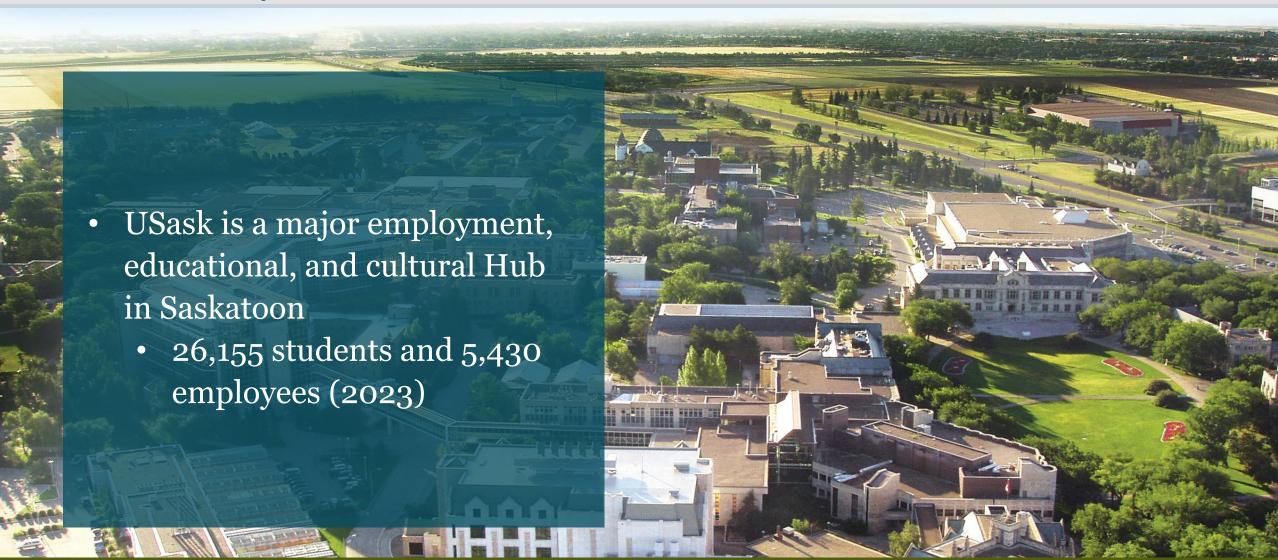
• What are the perceived barriers to starting or continuing to use transit? How do these barriers vary between different groups?

To what extent do people have negative safety experiences while using transit? What the factors associated with safety perception?





Case study





Methodology

- USask Mobility Survey
 - Online survey
 - February to April 2024
 - Targeting 5% of the population
- The survey included different sections
 - Travel behaviour
 - Telecommuting
 - Mode satisfaction
 - Perceived barriers
 - Safety perception and experience
 - Other











Methodology

- Perceived barriers:
 - If people have any barriers to continue/start using transit
 - From their viewpoints, what are the barriers to using transit in the city
- Safety perception: Likert scales questions
- Safety experience:
 - If they ever felt unsafe due to crime, unwanted attention, or other reasons while ...
 - Walking. Waiting. Riding a bus.







Methodology

- Data analysis:
 - Quantitative analysis: Descriptive statistics of the Likert scales questions
 - Qualitative analysis: Reflexive thematic analysis for open-ended questions



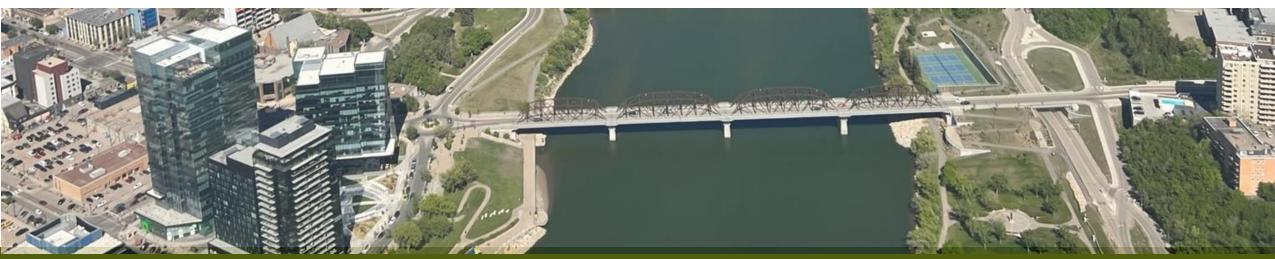






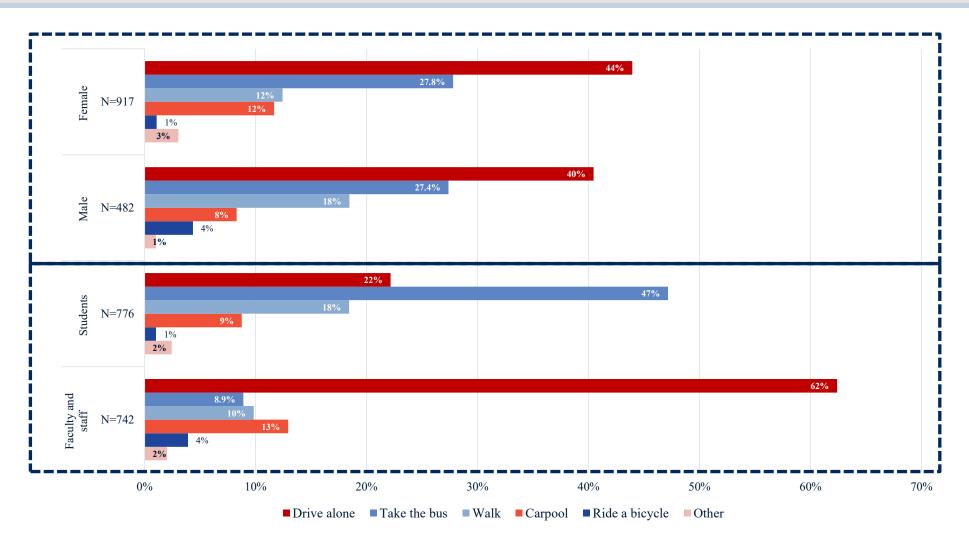
Response rate

- After data-cleaning process, 1,627 responses were deemed complete and valid for analysis
 - About 5.0% of USask population
 - The sample from across the city



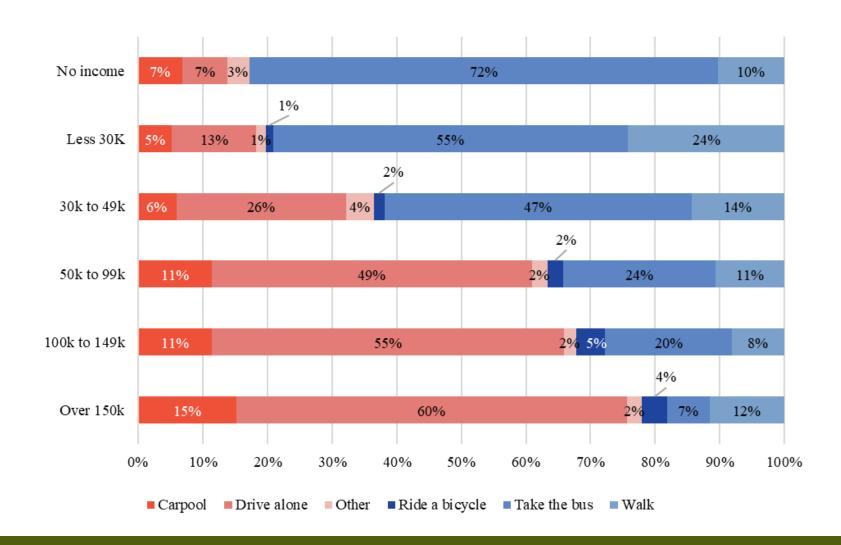


Committing mode to USask





Committing mode to USask by income



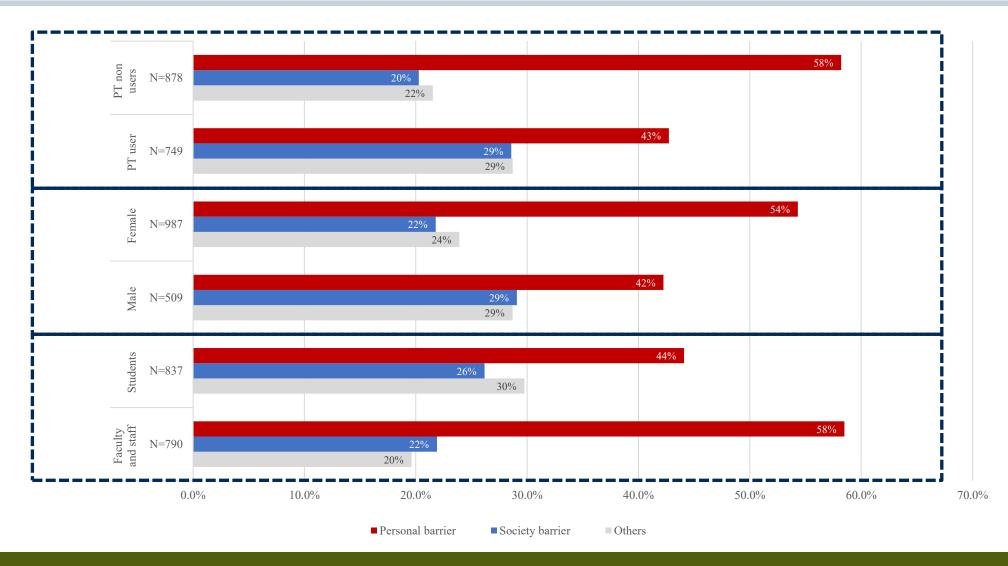
Perception of barriers

- 51.0% of people have barriers to starting or continuing using PT (i.e., personal barriers)
- **24.0%** of people do not have any barriers but there are barriers in the city (i.e., society barriers)
- **24.8%** of people do not have any barriers or there no society-related barriers





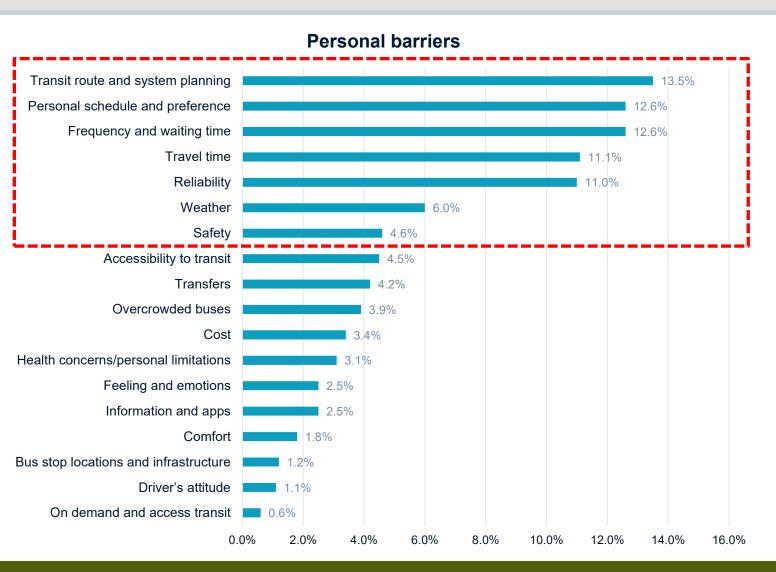
Perception of barriers by population





Perceived barriers themes

 Using people comments, the qualitative analysis yield to 18 sub-themes





Sample quotes

Transit route and system planning ... The routes are not convenient - often to get where I need to go ...

Travel time

Last I checked a ride to campus is around $\sim 30\text{-}50$ minutes + 10 minutes walking from my house, depending on the time of day. I can consistently bike to the office in 25 minutes. Driving takes about 20 minutes + 10 minutes walking. So, the bus takes 20-60 minutes extra per day.

Safety

I do not feel safe on public transport. I have been threatened on public transport. I have almost been assaulted on public transport. I have seen uncomfortable events on public transport.

Driver's attitude

Sometimes I do run after the buses, the drivers see me and do not wait for me. This is something that is even more awful during winter and extreme cold weather.



Perceived barriers themes by population

Personal barriers												
	PT non- user	PT user	Female	Male	Students	Faculty and staff						
	N=495	N=495 N=296 N=506 N=206 N=3		N=341	N=450							
Barriers to start or continue using PT	%	%	%	%	%	%						
Transit route and system planning	35.56	25.68	33.66	30.58	26.39	36.00						
Travel time	32.93	23.99	29.33	32.52	24.93	33.11						
Frequency and waiting time	18.18	39.19	25.00	29.13	32.26	21.33						
Reliability	20.81	34.12	26.77	21.84	33.72	19.78						
Personal schedule and preference	41.82	9.12	32.68	24.76	14.66	40.89						
Weather	10.10	20.61	14.17	10.19	17.60	11.33						
Safety	9.90	12.16	10.24	9.71	14.66	7.78						
Accessibility to transit	9.90	11.49	9.84	10.19	12.90	8.67						
Overcrowded buses	7.88	11.15	9.84	7.77	9.09	9.11						
Transfers	8.69	11.82	9.65	10.19	9.38	10.22						
Cost	8.08	8.11	8.07	9.22	4.69	10.67						
Health concerns and personal issues	7.68	6.76	6.69	3.88	6.45	8.00						
Information and apps	3.84	9.46	5.91	6.31	9.68	3.11						
Feeling and emotions	4.65	7.77	6.30	3.88	8.80	3.56						
Comfort	3.03	6.08	3.15	5.34	5.57	3.11						
Bus stop locations and infrastructure	1.62	4.73	2.36	2.43	3.52	2.22						
Driver's attitude	1.82	4.05	2.95	1.94	4.11	1.56						
On demand and access transit	1.41	1.35	1.77	0.49	1.17	1.56						

Key takeaways

- Differences between groups regarding of the type of perceived barriers.
 - Regardless of the group, participants consistently identify transit route and system planning issues as the most common barriers they are facing.
- Reliability is a significant concern for transit users, and trave times by transit for non-users.



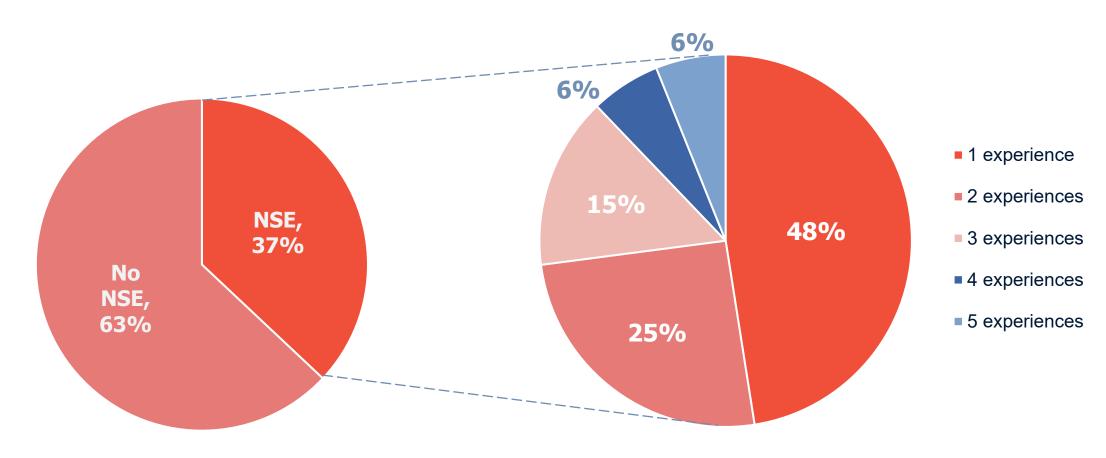




Findings: Safety experience and perception



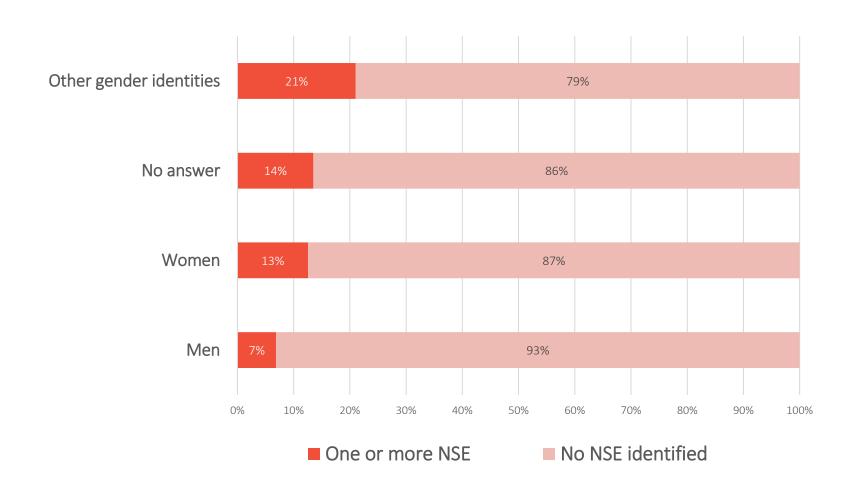
% of transit users with previous safety experience



Negative safety experiences (NSE): Having a negative experience associated with safety or crime while using the PT system.

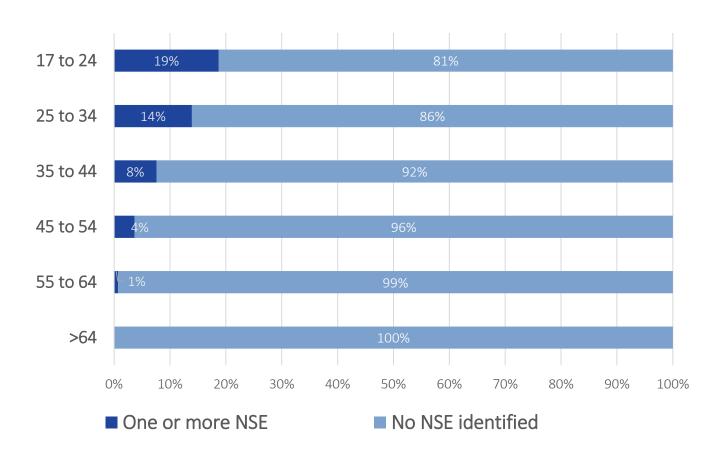


% of users with NSE by gender identity





% of users with NSE by age



Qualitative analysis – number of reported NSEs





Qualitative analysis – sample quotes

when crossing college drive i often feel unsafe from impatient drivers wanting to turn left or right off of wiggins ...

Same reason as before. Black girl in a white neighbourhood....

...creepy guy kept trying to talk to me asking where i lived

Place Riel becomes lawless after regular business hours. Waiting for a bus inside or outside can be scary.

... harassment situation, one guy was to close to me and talking about my hair and wanna to touch it. It was too uncomfortable that i just freeze, until someone told him to stop.



Qualitative analysis – identified topics

Interaction with strangers

 e.g., unwanted conversation from people under substance

Presence of sketchy people

e.g., stranger talking to his reflection

Nighttime

 e.g., walking in unsafe neighborhood during night

Crime and harassment

• e.g. discrimination

Traffic

e.g. cars not being aware of pedestrians

Weather and environment

e.g. icy sidewalks

Bus stop conditions and surrounding

e.g. shattered glass at the stop

Protecting issues

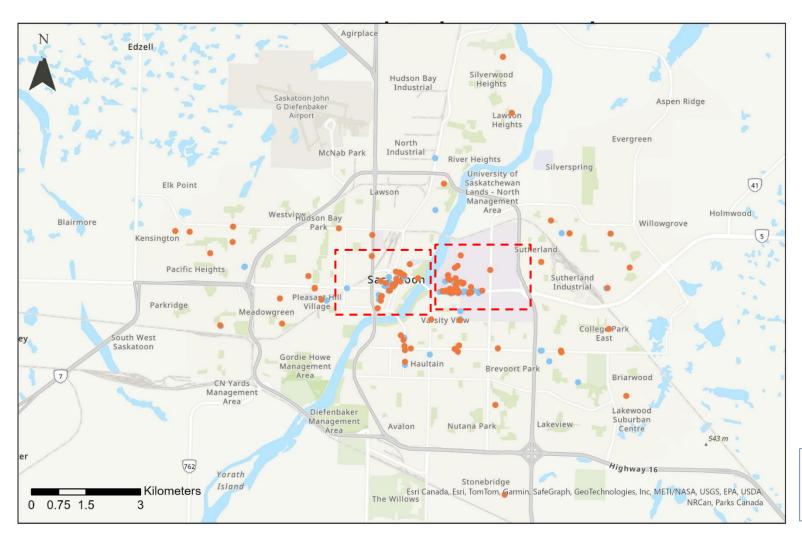
e.g. lack of responsibility from protective services

Driver's attitude

e.g. driver speeding



Spatial analysis of locations people experienced NSE

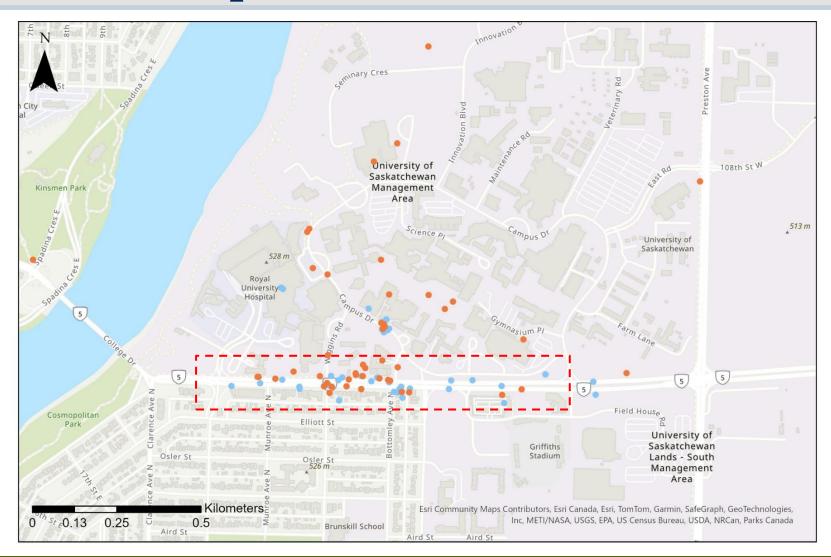


Negative safety experiences

- while walking to a bus stop
- while waiting for a bus



USask main campus

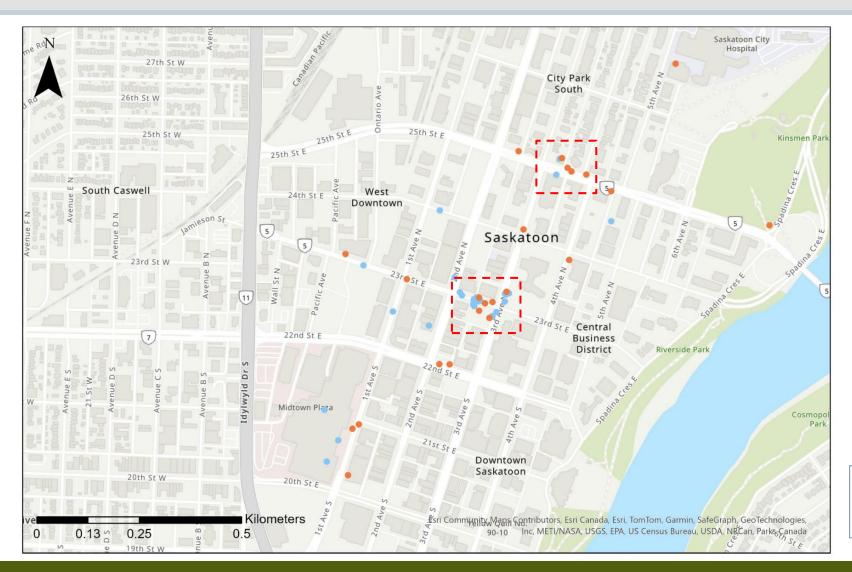


Negative safety experiences

- while walking to a bus stop
- while waiting for a bus



Downtown area



Negative safety experiences

- while walking to a bus stop
- while waiting for a bus



Safety perception

	NSE	Without NSE	PT users	PT non- users	Men	Women	OGI	Student	Faculty and staff
	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean	Mean
Presence of homeless people	3.43	3.05	3.19	3.43	3.31	3.35	2.27	3.34	3.27
Presence of people under the influence of substances	4.48	4.04	4.17	4.10	4.10	4.18	3.44	4.24	4.02
Receiving unwanted attention or having unwanted interactions	4.31	3.98	4.08	3.97	3.72	4.19	3.97	4.13	3.93
Presence of people acting aggressively or speaking loudly	4.38	4.13	4.20	4.13	4.04	4.23	4.03	4.22	4.10
Reckless driving	3.97	4.10	4.00	3.68	3.67	3.93	4.02	4.02	3.66
Bus going through dangerous and sketchy neighborhoods	3.09	3.09	3.04	2.95	2.89	3.08	2.26	3.13	2.86
Bus stop located in areas perceived as insecure, such near liquor stores or parking lots	3.83	3.69	3.70	3.21	3.27	3.58	3.00	3.61	3.31
Insufficient lighting at the bus stop	4.35	4.15	4.21	3.97	3.85	4.22	4.18	4.18	4.00

Notes: OGI stands for other gender identities. Grey color highlights the top three scores for each group.



Key takeaways

- Females and other gender identities reported more NSEs.
 - Policies should prioritize targeted safety measures and support for these groups
- Poor lighting, aggressive behavior, and substance use are top issues.
 - Collaboration with the community, along with better lighting, can improve safety perceptions.





