

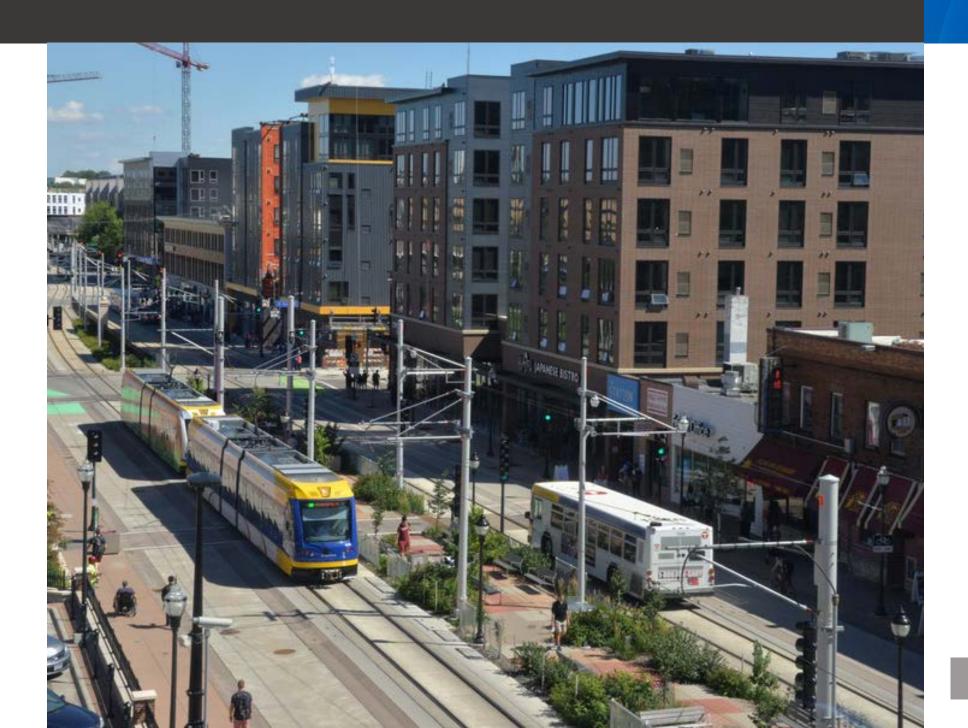
### 2022 Transit On-Board Survey

**Pilot Survey Update for Transportation Accessibility Advisory Committee** 



#### **Outline**

- What is the on-board survey?
- Pilot survey findings
  - Who is on board now?
  - What kind of trips are they making?
  - How has travel behavior changed among riders with disabilities?
- Main survey updates
- Feedback/discussion



#### **Questions for TAAC**



#### Your feedback is needed

- How do these findings match your impressions and experience riding transit?
  - How do they differ?
- What are research areas where we need to dig deeper?
- What linkages should we make between this survey's findings and transit/transportation planning?
- Would you like this research to find a broader audience outside of the Council?

#### What is the On-Board Survey?

- System-wide survey of who is on transit, and where they are going
- An "intercept-interview" survey
- Conducted every five years
- Last survey 2016
- Fall 2021 pilot sampled busy Metro Transit routes



### We do this survey to:

- Better understand current transit riders and markets
- Improve transit forecasts and planning
- Support before-andafter studies
- Federally required



# How we understand these data: a subset of trips and riders



Riders and trips served by these routes today are mostly a *subset* of the riders & trips served in 2016.

2021

2016

These slides compare only the routes sampled in 2021.

Full survey data coming 2023.

# Metropolitan Council

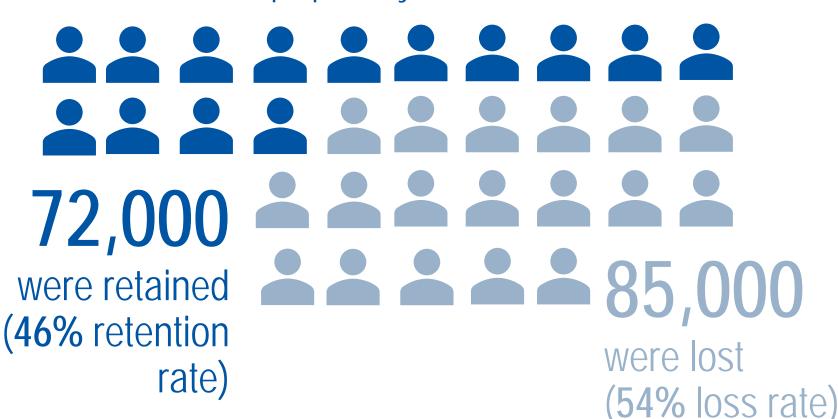
# How we understand these data: trips lost, trips retained



Of the

157,000

trips per day in 2016

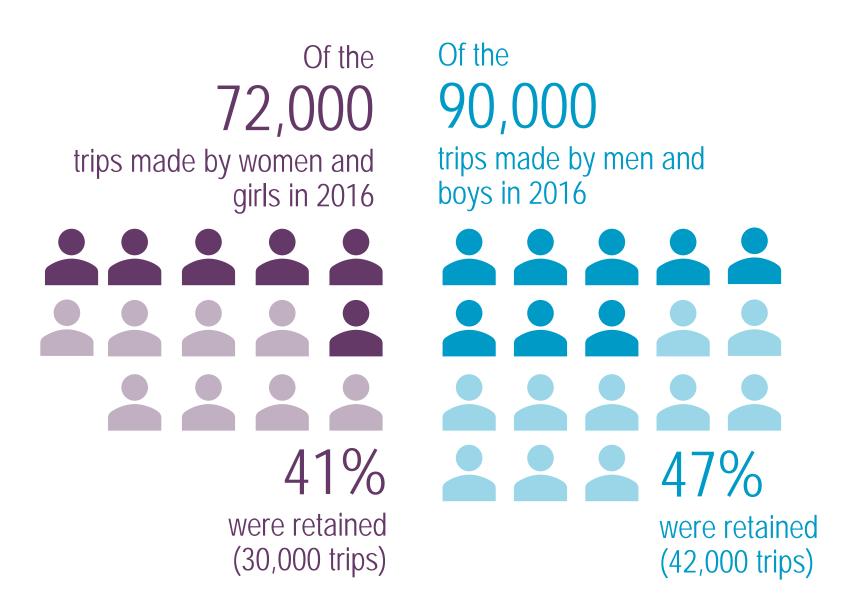


## Who is on board?



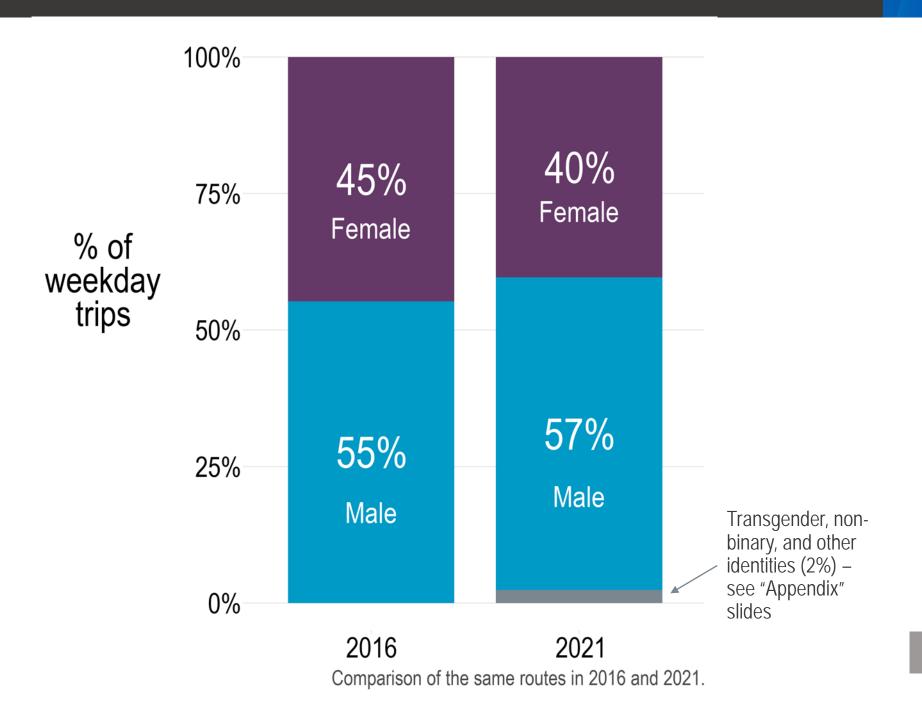


## Retained a greater share of men's trips than women's trips



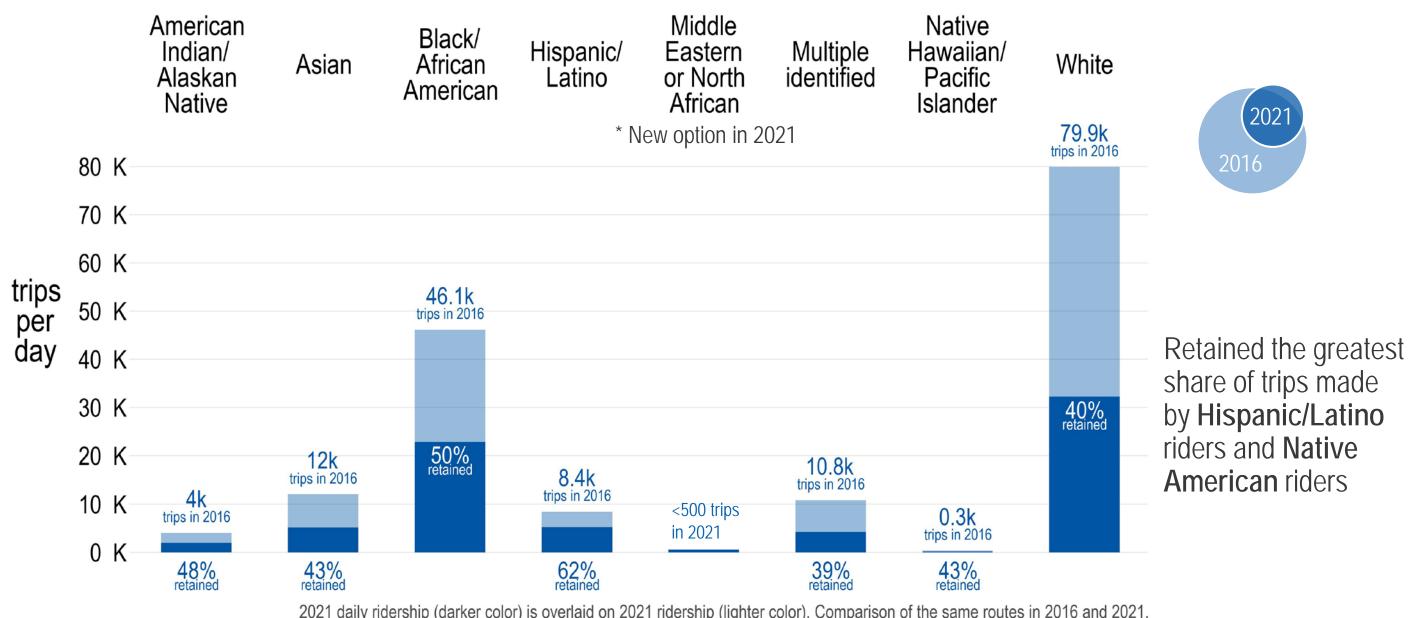


#### Share of men on-board has increased

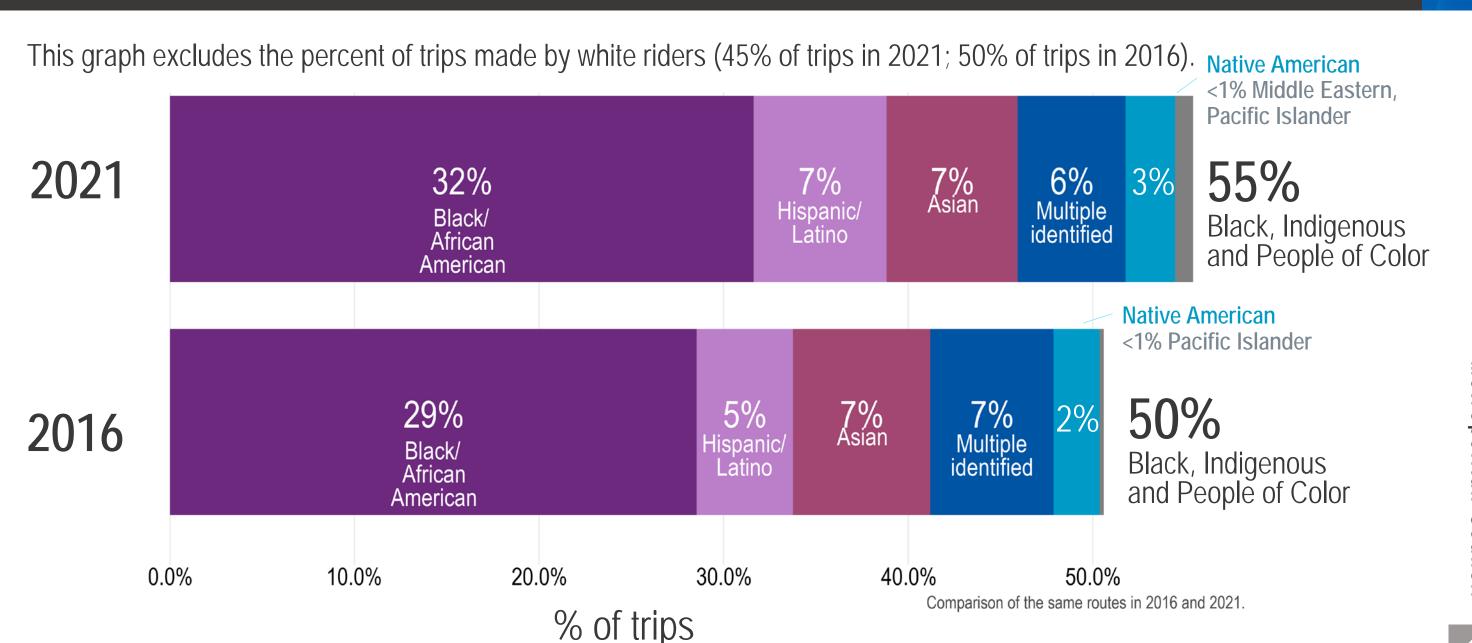


### Metropolitan Counci

#### Retained greater share of trips made by riders of color

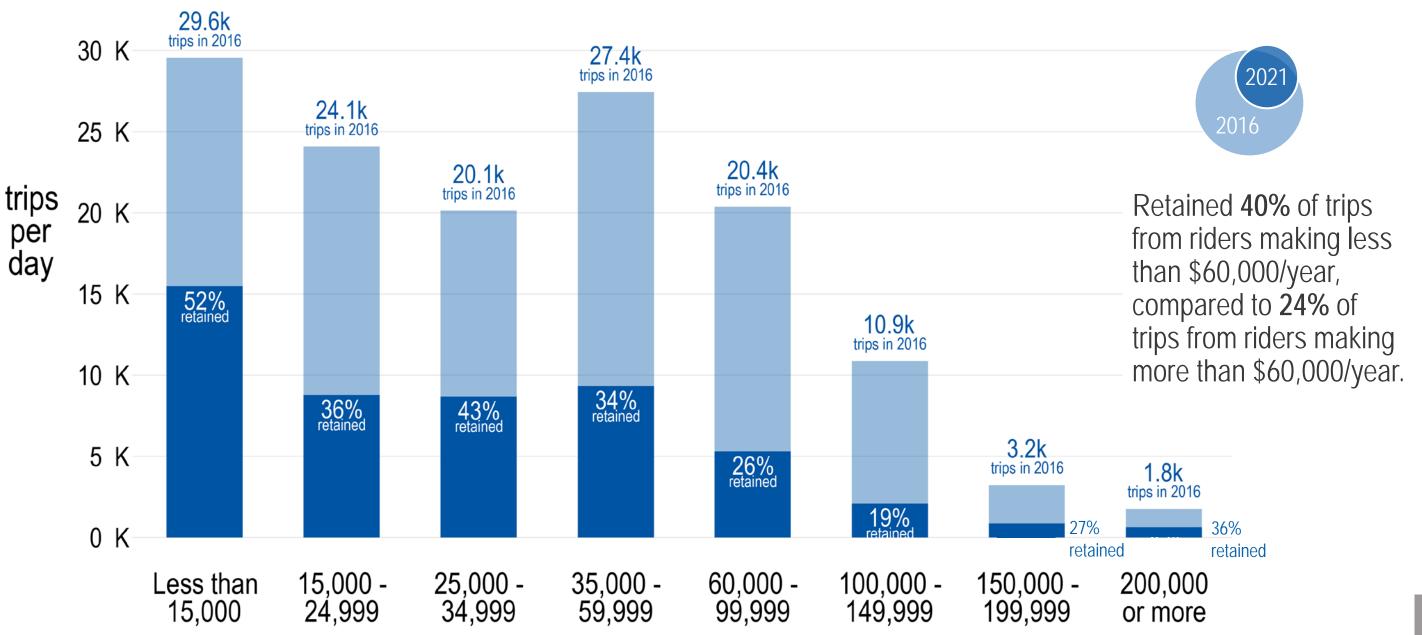


### Share of riders who identify as Black or Latino has increased



# etropolitan Council

## Retained greatest share of trips made by lowest-income riders

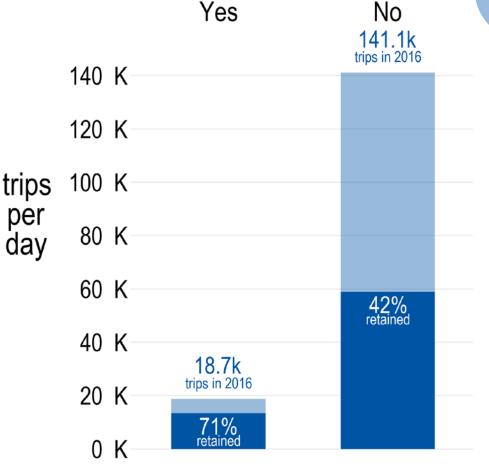


# letropolitan Council

# Retained a greater share of trips by riders with a disability



Do you consider yourself to have a disability?



2021 daily ridership (darker color) is overlaid on 2021 ridership (lighter color). Comparison of the same routes in 2016 and 2021.



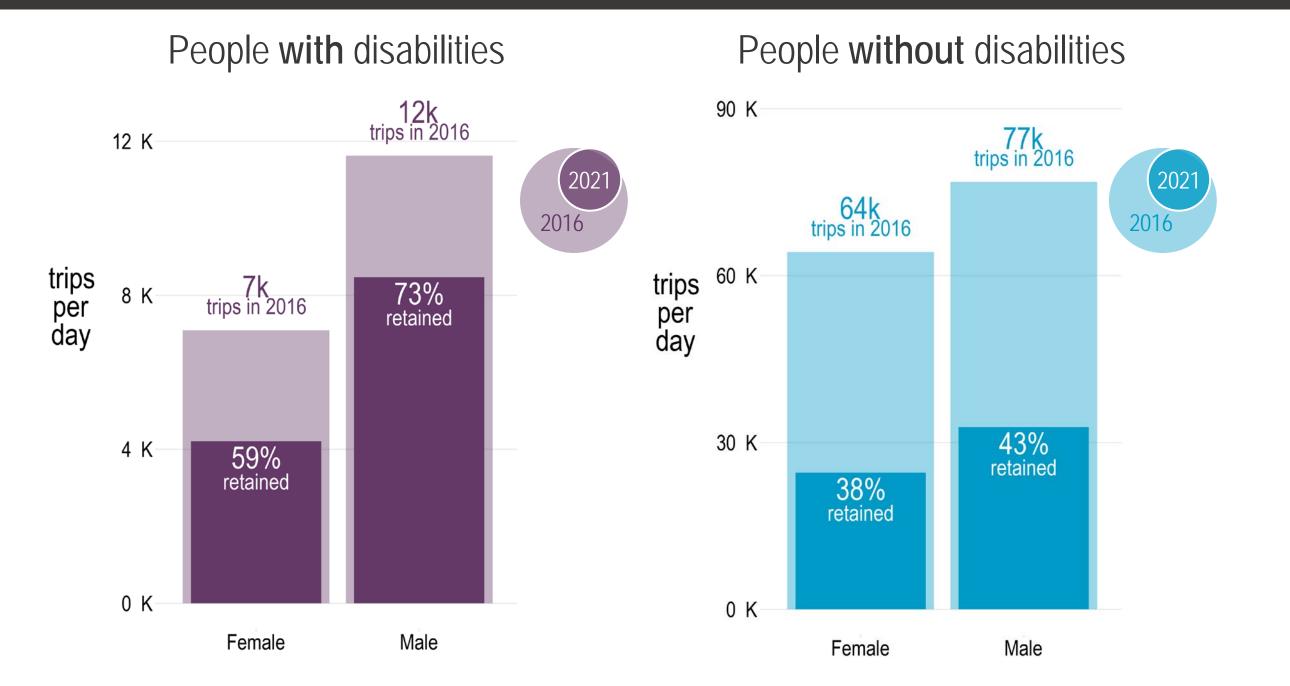
Additionally, the share of trips made by those with a disability has increased from 11% to 18%.

2021

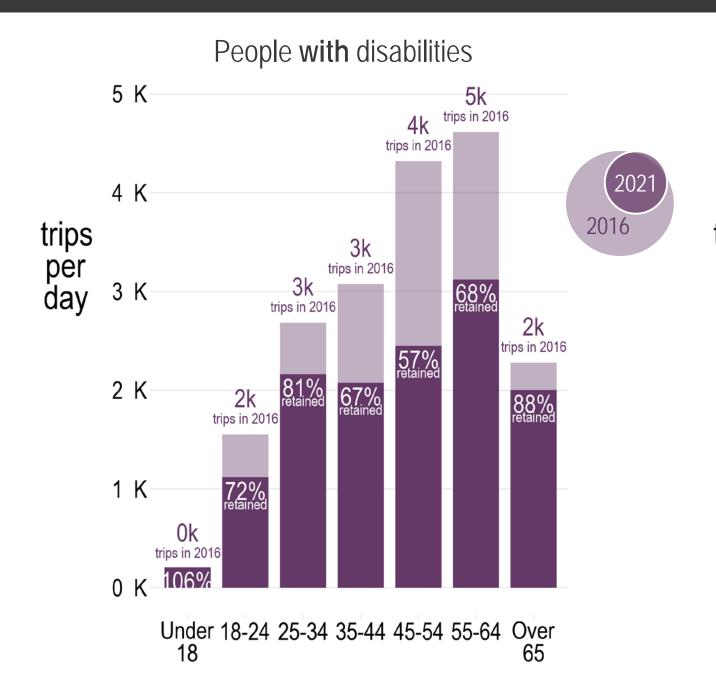
2016

# Metropolitan Counci

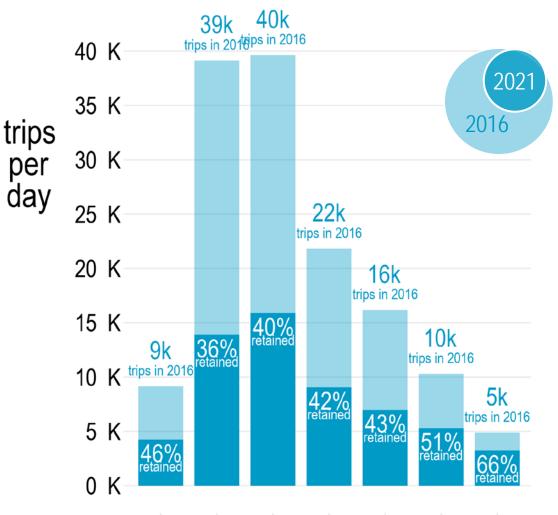
## Greater retention of trips made by men with disabilities than for women



# Retained majority of trips by people with disabilities, across all age groups



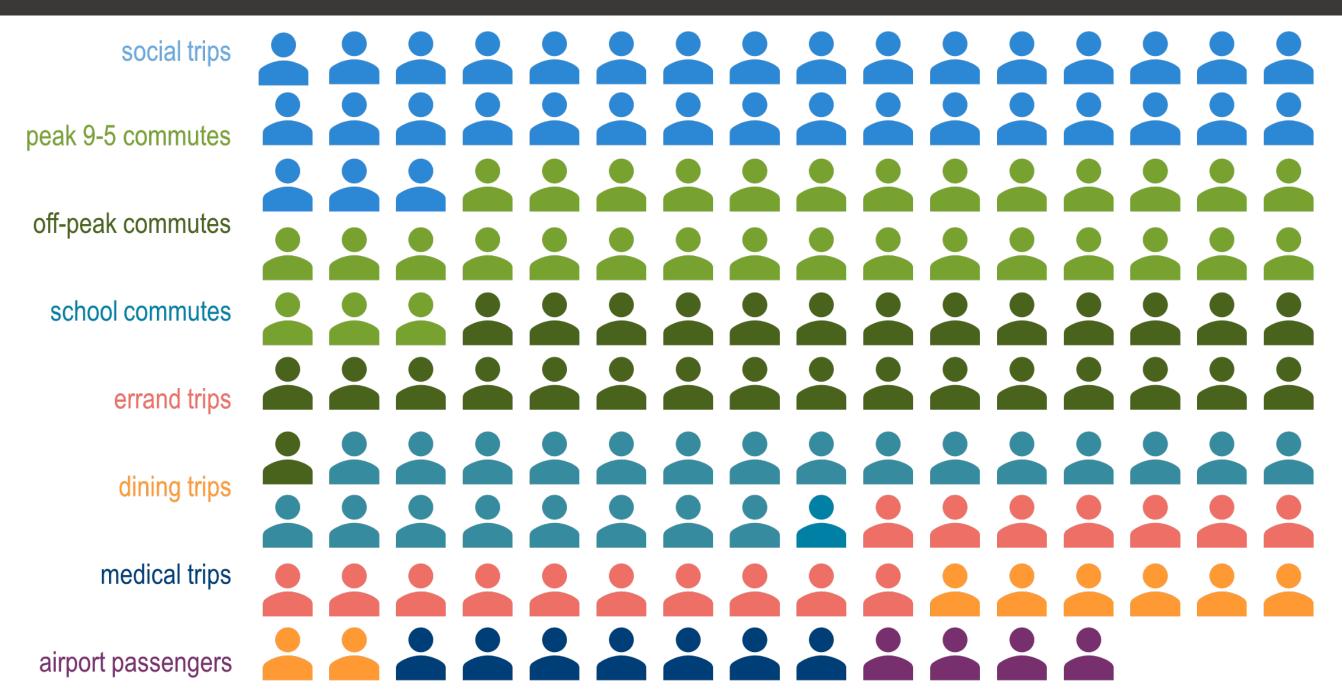
#### People without disabilities



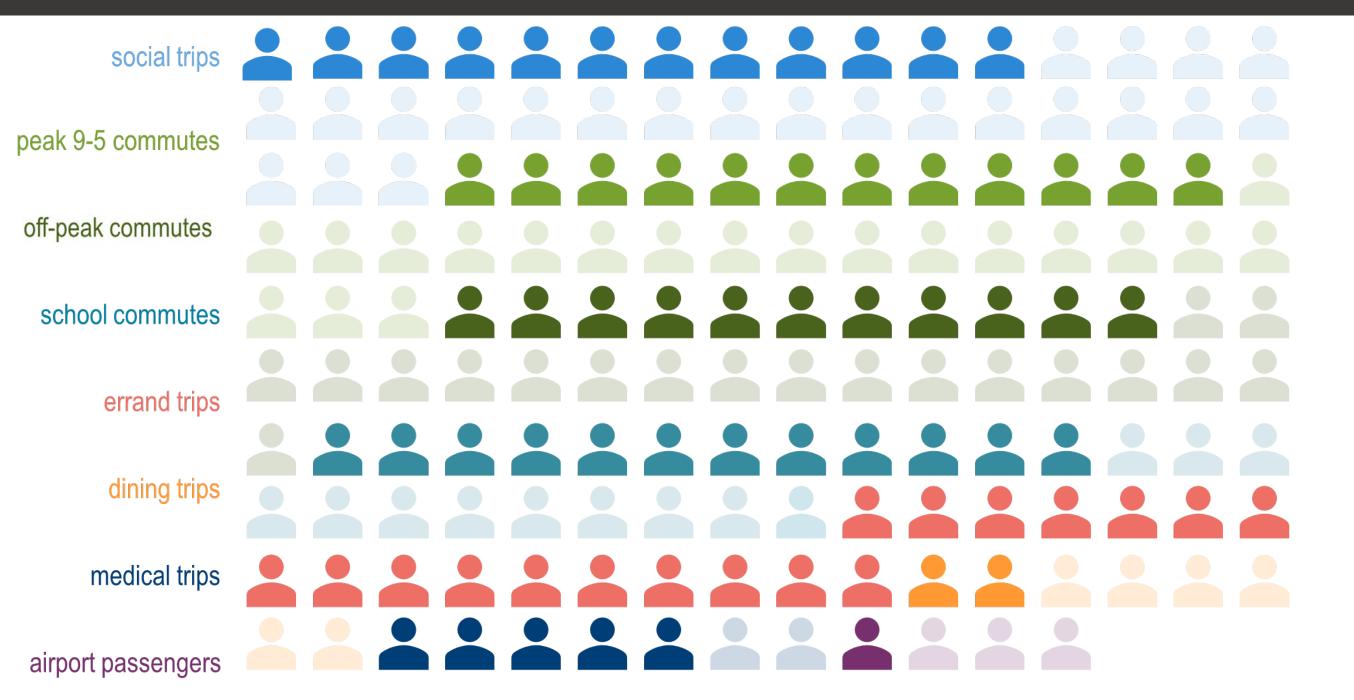
What kinds of trips are people making?



### 157,000 trips in 2016

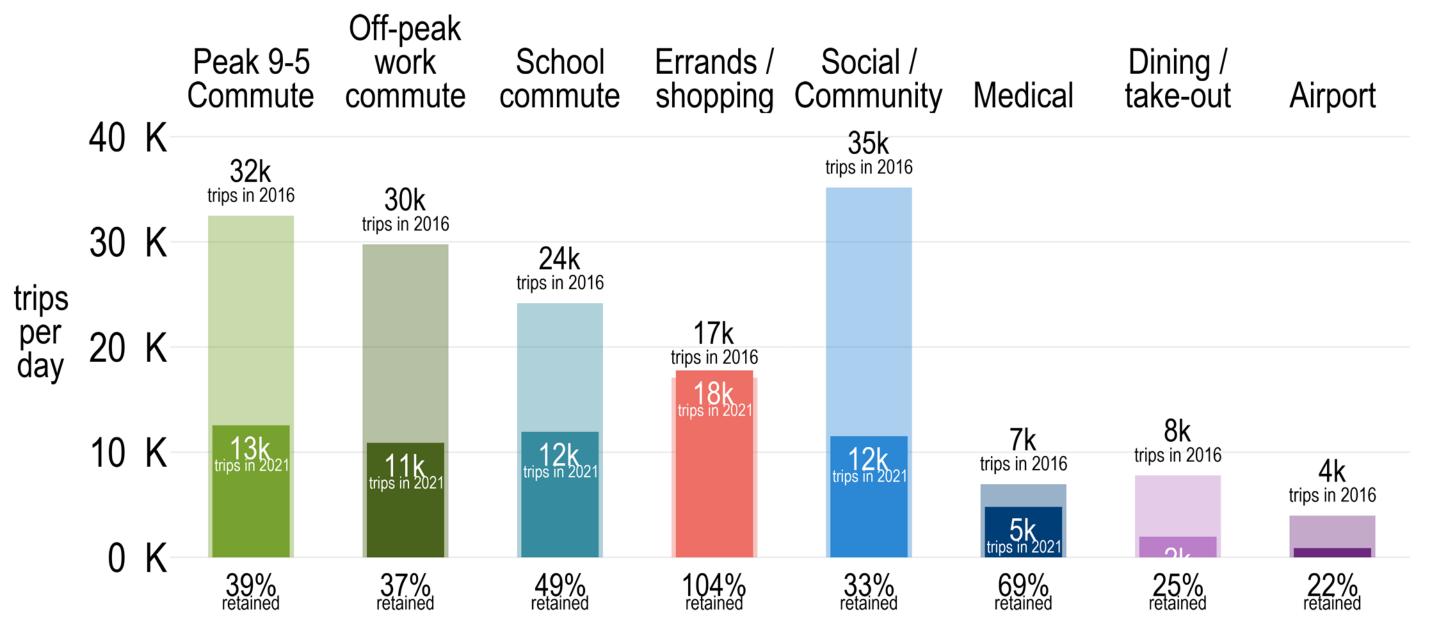


### 72,000 trips retained in 2021

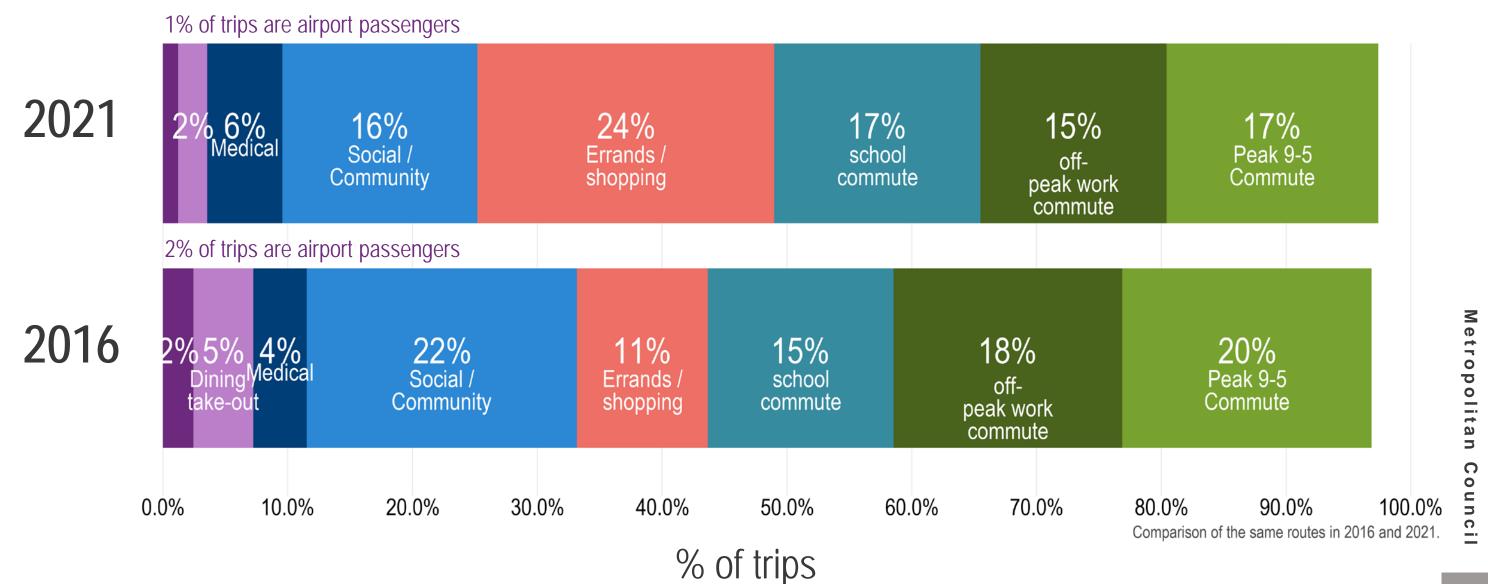


# Metropolitan Council

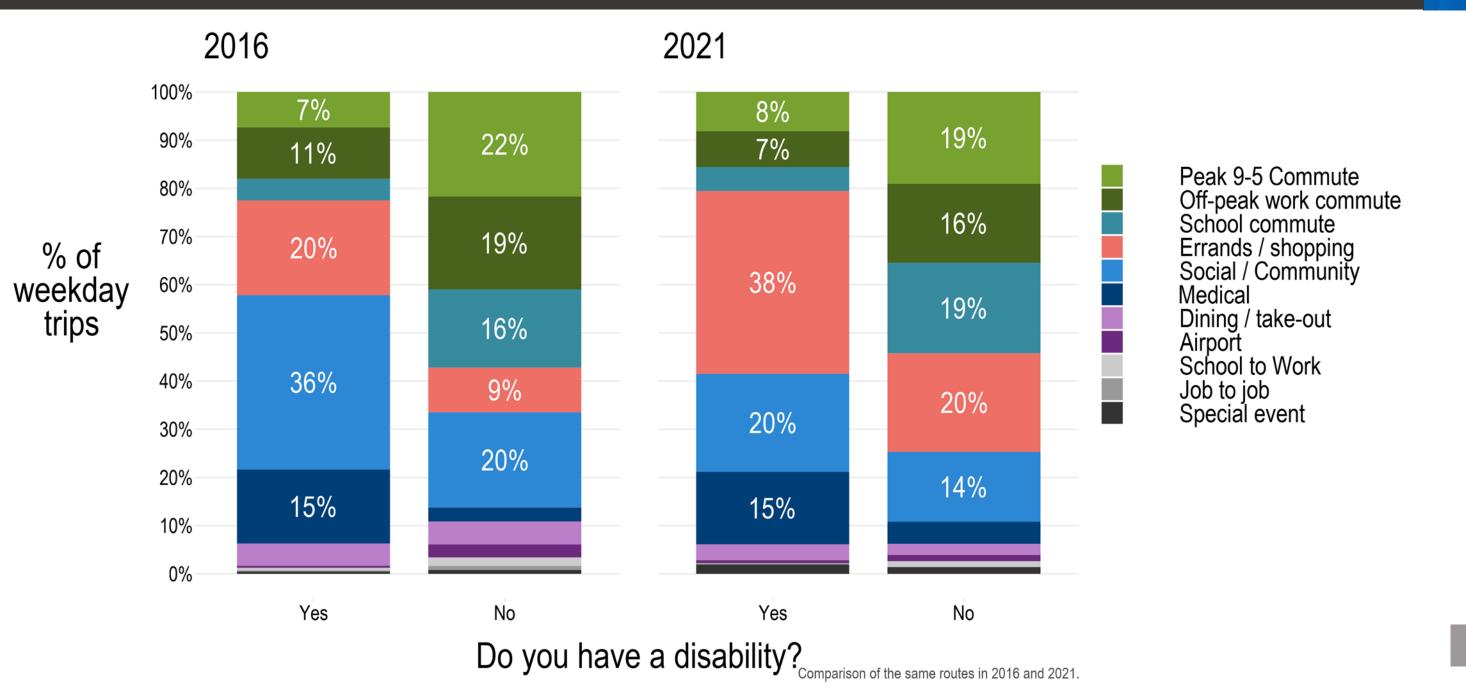
## Retained greatest share of trips made for errands, least for airport passengers



# The share of people traveling for errands has grown

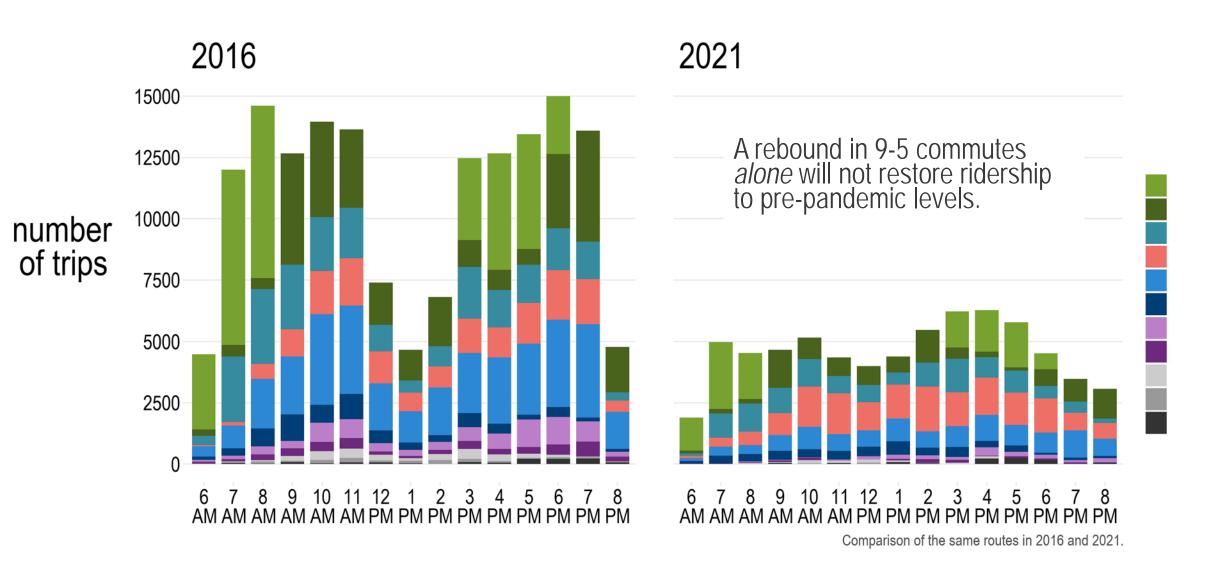


### Medical, social and errand trips are bulk of transit trips made by people with disabilities



# Metropolitan Council

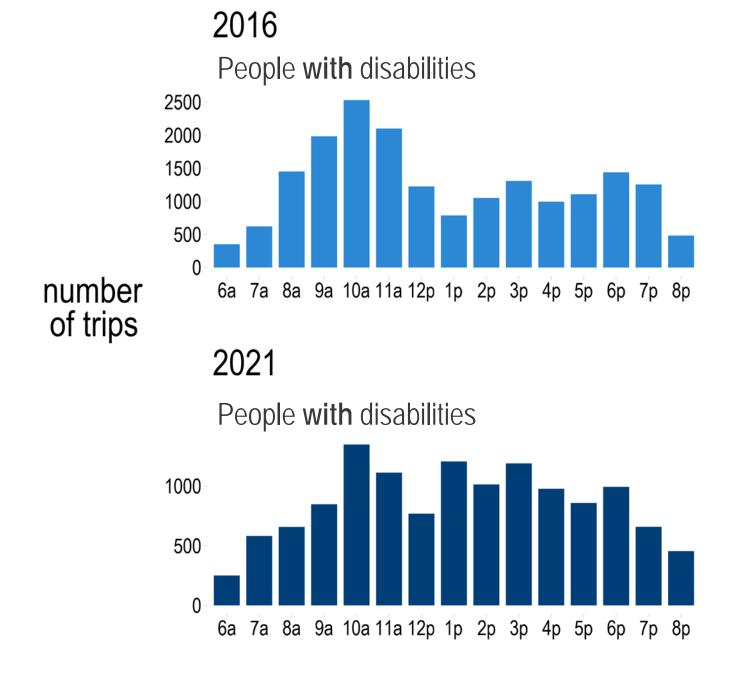
## Trip purpose by time of day, then and now

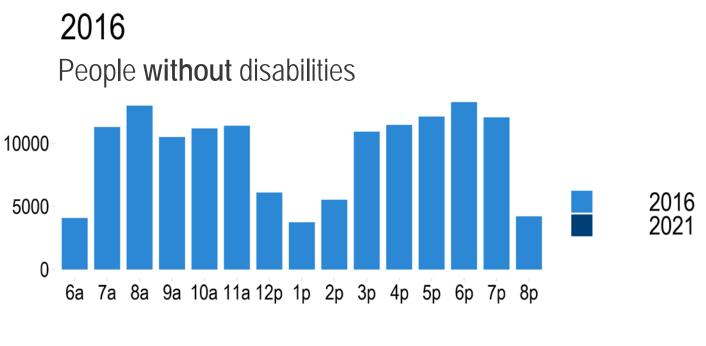


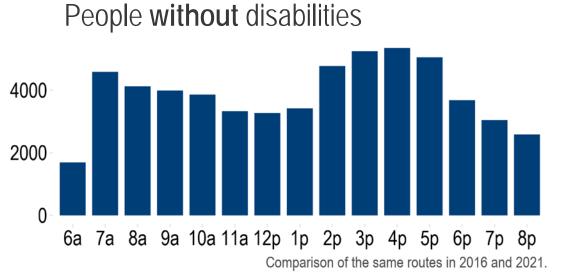
Peak 9-5 Commute
off-peak work commute
school commute
Errands / shopping
Social / Community
Medical
Dining / take-out
Airport
School to Work
Job to job
Special event

# Metropolitan Council

## Shift towards all-day travel for people with disabilties







2021

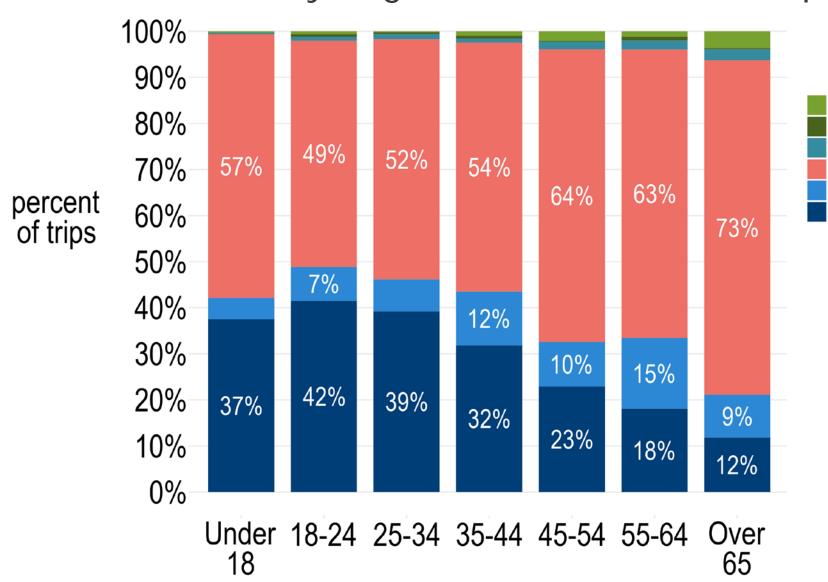
Other travel behavior insights



# Netropolitan Council

# Riders are often making "regular known trips," regardless of age

How did you get to the first transit stop?

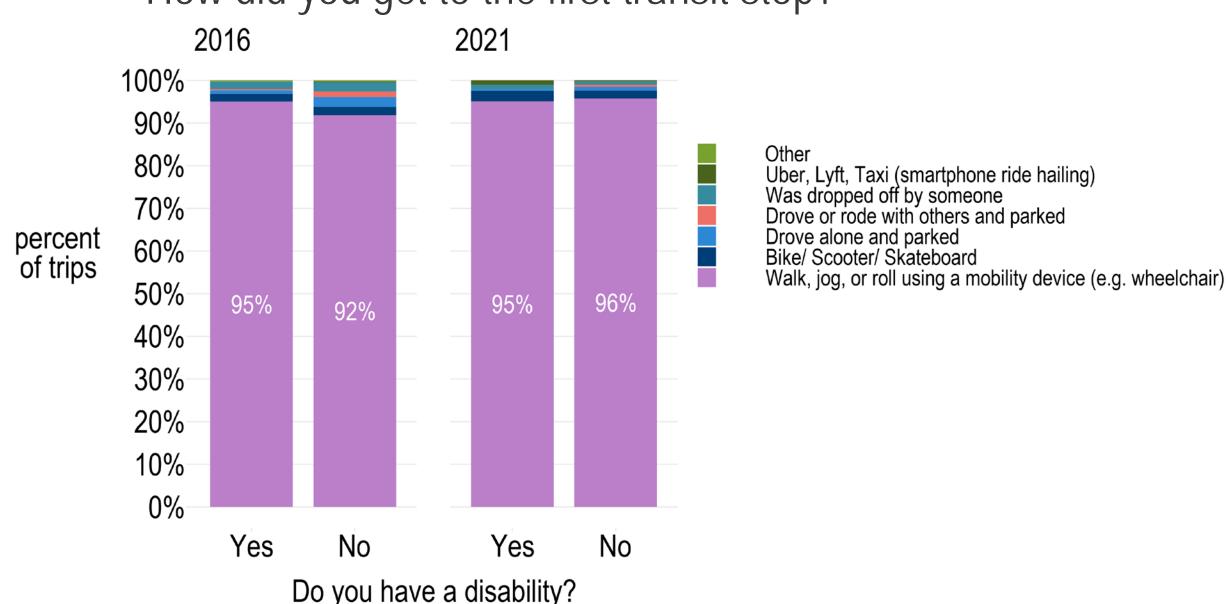


Called Transit Info Center (612-373-3333)
Texted for Transit Information (612-444-1161)
Used a printed or posted schedule
Regular known trip
Just went to stop / station
Used smartphone

# Metropolitan Council

# The vast majority of people access transit by walking or rolling

How did you get to the first transit stop?



## **Key Findings: Trips and Riders Retained**



### What is the "core ridership" in the Pandemic era?

- BIPOC riders
- older riders, especially men
- lower income riders and those who are unemployed
- riders who identify as having a disability

### What are the "core trip types" transit continues to serve?

- Basic life maintenance (shopping, errands, medical appointments) retained more than other trip types
- Transit continues to serve a wide variety of trips: all-day, all-purpose

#### **Questions for TAAC**



#### Your feedback is needed

- Does this data match your lived experience?
- What are research areas where we need to dig deeper?
- What do you see as the linkages between this survey's findings and transportation policy?

Survey updates



### Main survey is underway!

- Just wrapped up weekend sampling (first time doing this)
- All routes, directions, time of day; fixed-route transit only
- Sampling weekday survey throughout summer, picking up momentum after the Fall pick & all routes are in place
- Final data back Q1 2023
- Will make data available to all providers, stakeholders in online dashboard similar to 2016 (see:
  - https://metrotransitmn.shinyapps.io/TravelBehaviorInventory/)

#### Your questions are welcome!

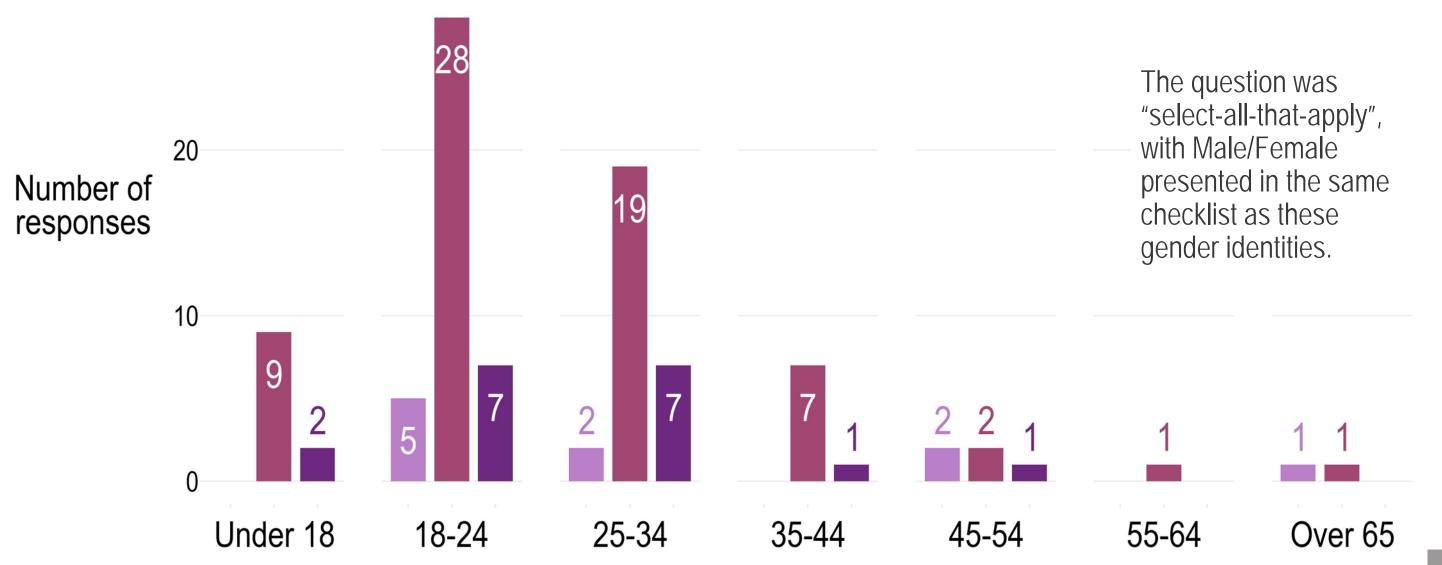
Ashley Asmus, Project Manager, MTS Planning: <a href="mailto:ashley.asmus@metc.state.mn.us">ashley.asmus@metc.state.mn.us</a>

Jonathan Ehrlich, MTS Planning: jonathan.ehrlich@metc.state.mn.us

Eric Lind, Metro Transit Strategic Initiatives: eric.lind@metrotransit.org

# Appendix: More complete gender identity options available in 2021

Respondents could identify as Non-Binary, Other/Prefer to self-describe, and/or Transgender



#### Appendix: Routes sampled in pilot survey



#### **Routes**

Light rail (Green and Blue), BRT (A and C line) and 8 Core Local Routes: 2, 3, 5, 6, 10, 18, 19\* partial, 21

Chosen by ridership

Ridership on these ten routes totaled to:

- 59% of Metro Transit boardings in Fall 2019, and
- 64% of Metro Transit ridership in Fall 2021

#### Survey sample

Surveyed September 13 – November 15

Completed **4,000** questionnaires

Weighted to Fall 2021 ridership (route, time of day, and direction)

In 2016, same routes: **15,580** questionnaires completed (51% of all questionnaires completed 2016)