

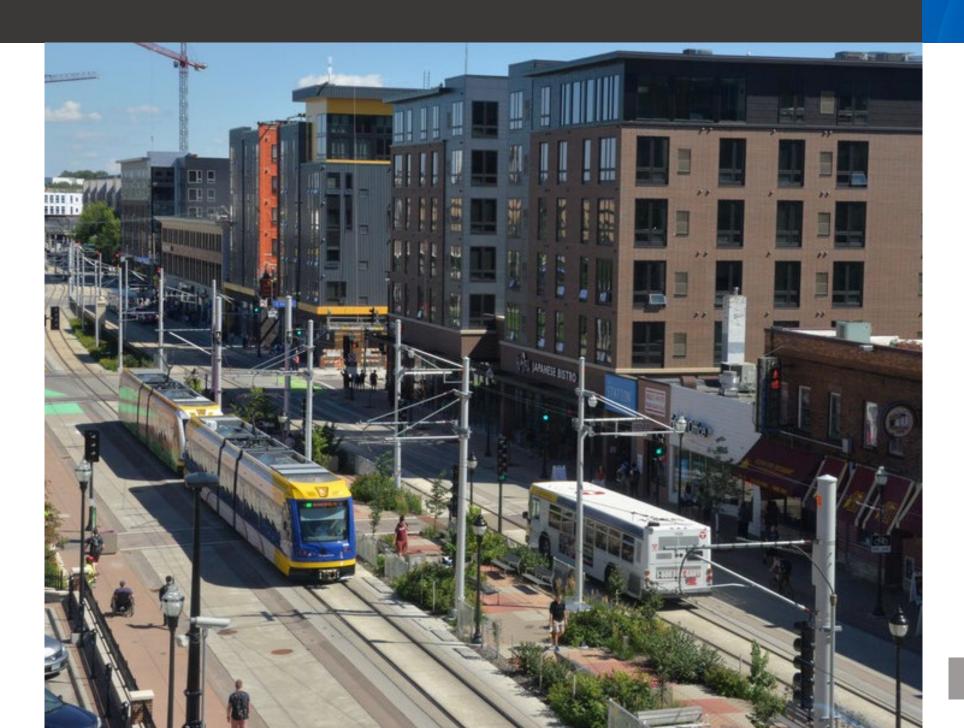
### 2022 Transit On-Board Survey

**Pilot Survey Update for Transit Policy Working Group** 



#### Outline

- What is the on-board survey?
- Pilot survey findings
  - Who is on board now?
  - What kind of trips are they making?
- Plan for main survey



#### 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



#### We do this survey to:

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



#### 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)

## Who is on board?



### 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.

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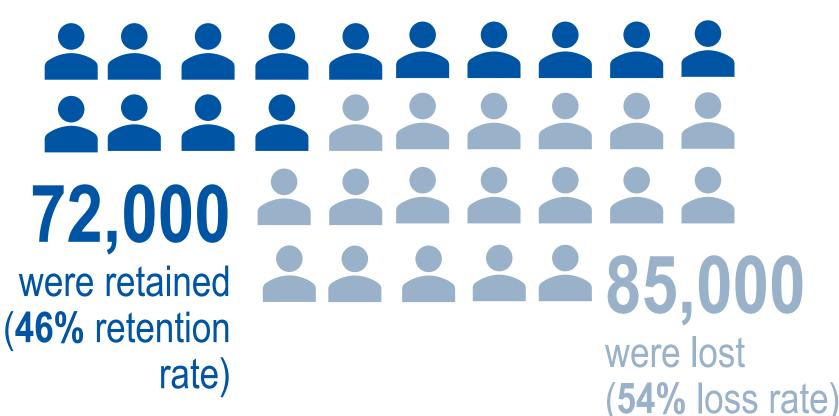
## How we understand these data: trips lost, trips retained



Of the

157,000

trips per day in 2016



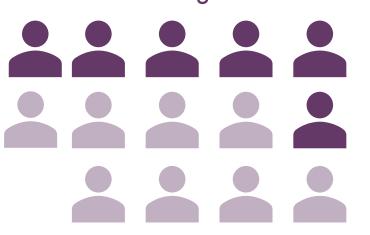
**5,000 trips** 

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



 ${\overset{\text{Of the}}{72,000}}$ 

trips made by women and girls in 2016



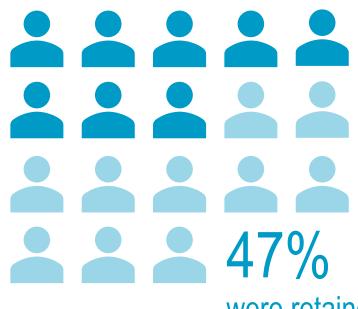
were retained (30,000 trips)

41%

Of the

90,000

trips made by men and boys in 2016

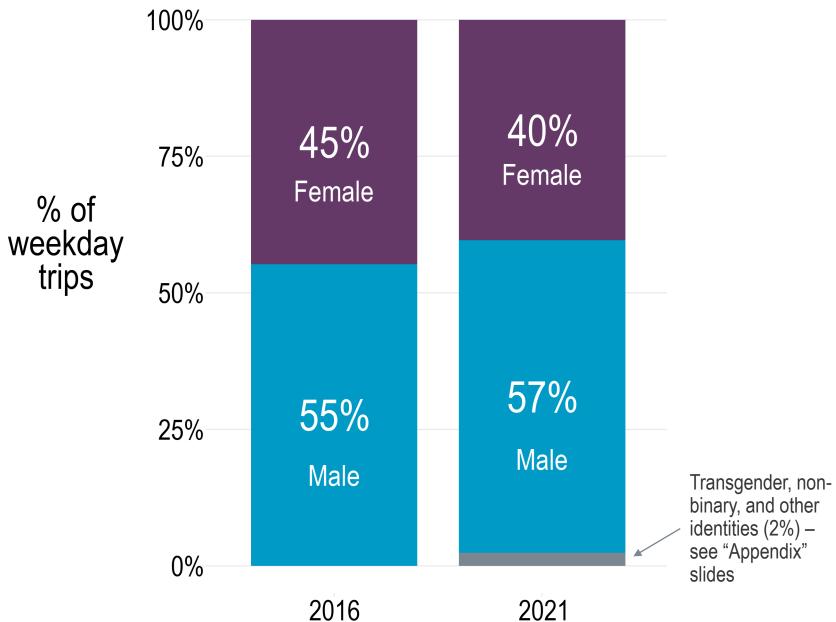


were retained (42,000 trips)



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



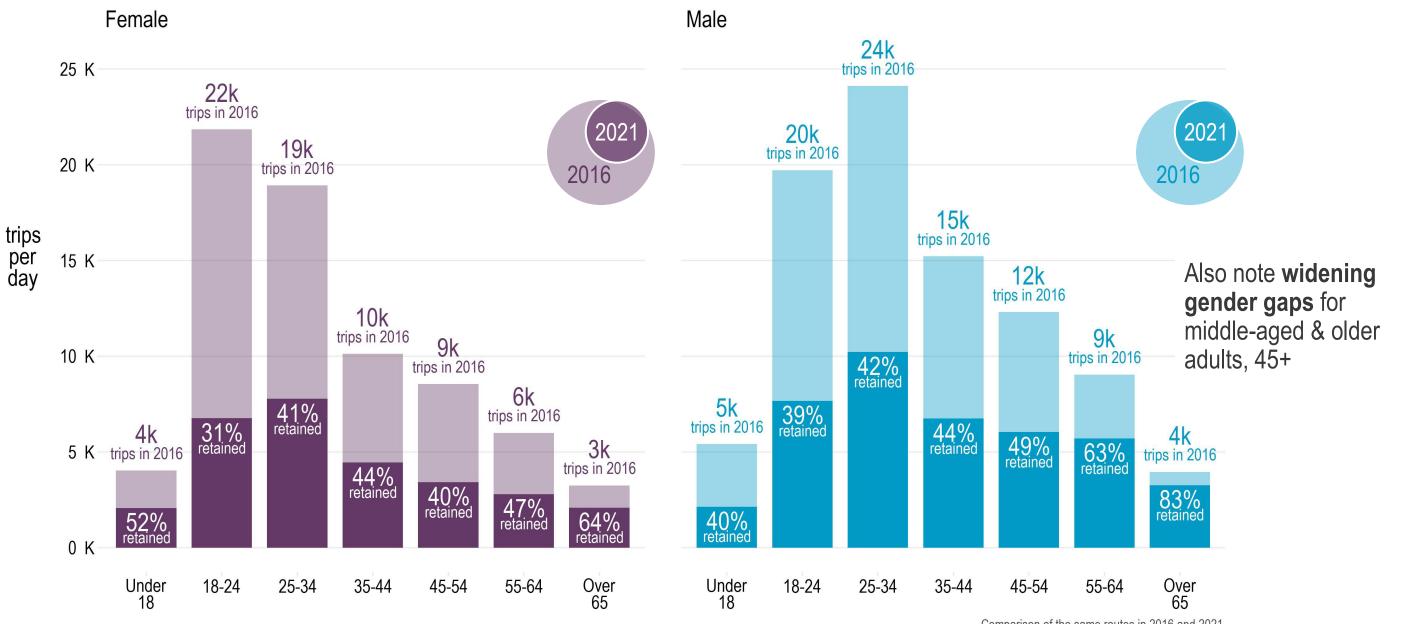


Comparison of the same routes in 2016 and 2021.



## Retained greatest share of trips by older men, least by young women

2021 daily ridership (darker color) is overlaid on 2016 ridership (lighter color).

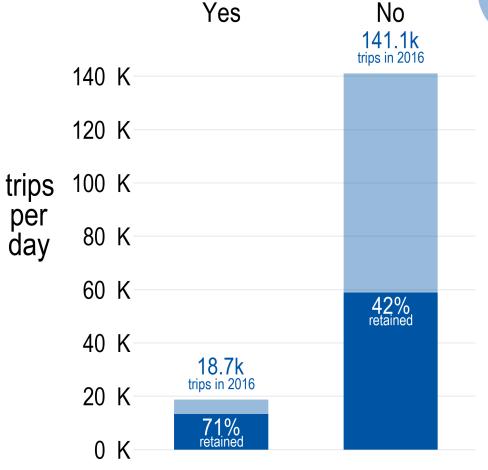


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## Retained a greater share of trips by riders with a disability



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.

"Prefer not to answer" omitted.

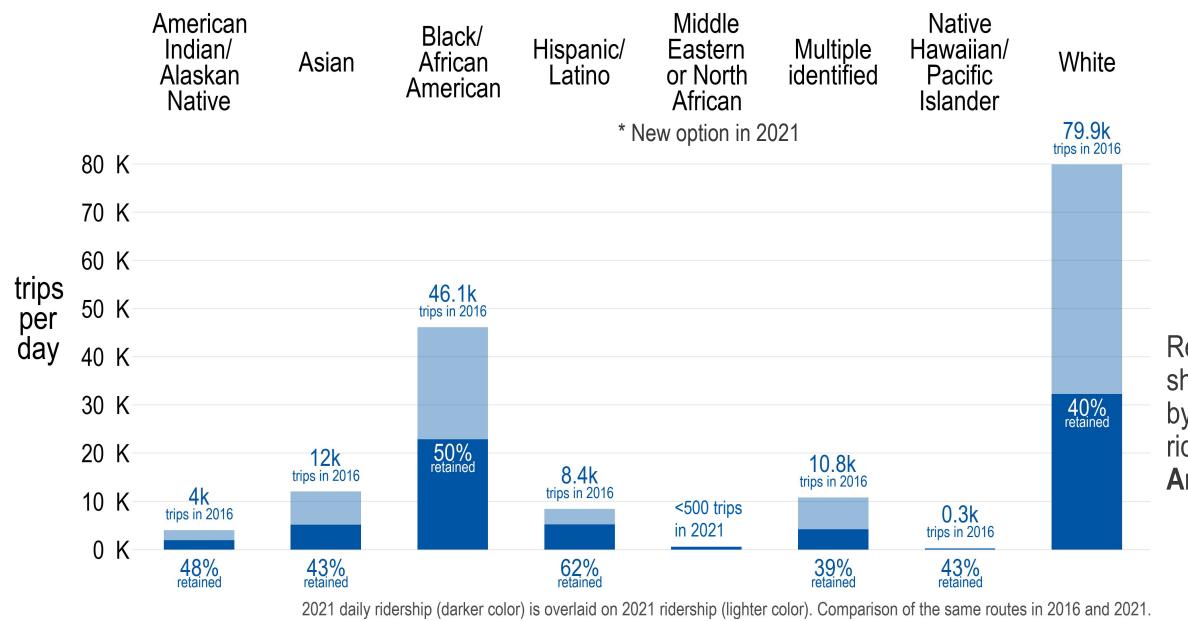
Additionally, the share of trips made by those with a disability has increased from 11% to 18%.

2021

2016

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

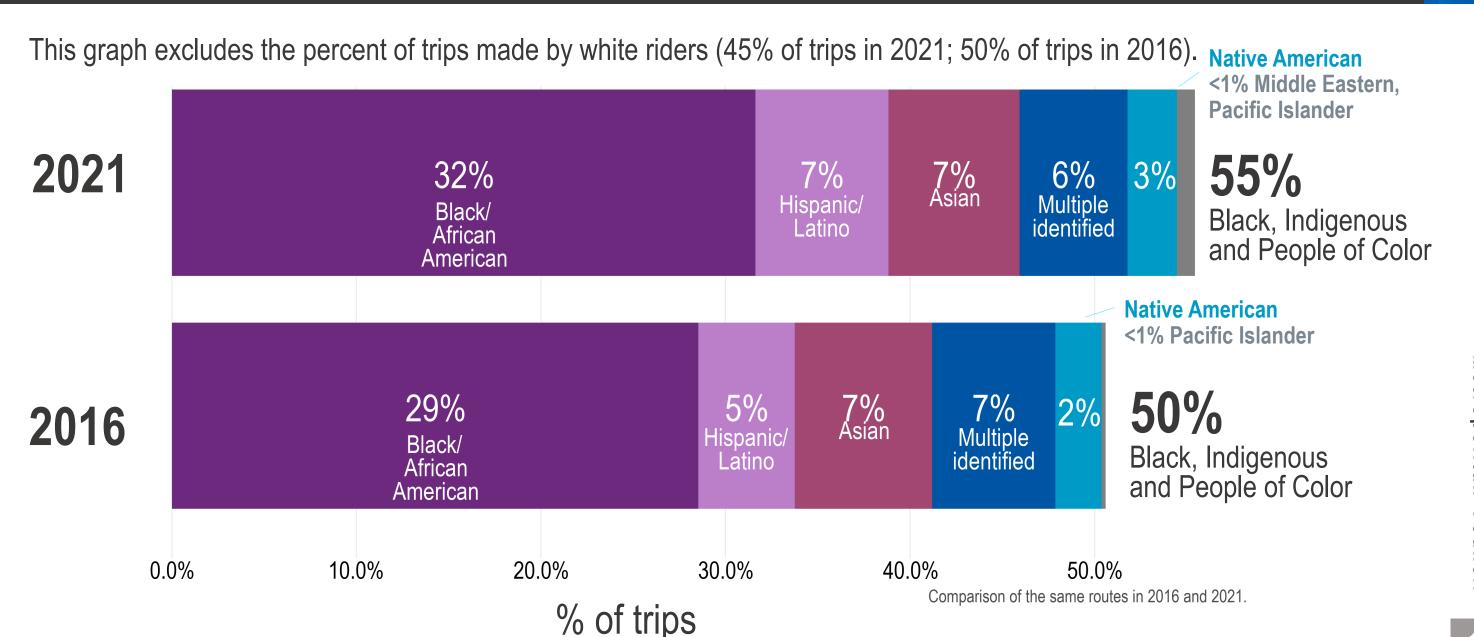


2021

Retained the greatest share of trips made by **Hispanic/Latino** riders and **Native American** riders

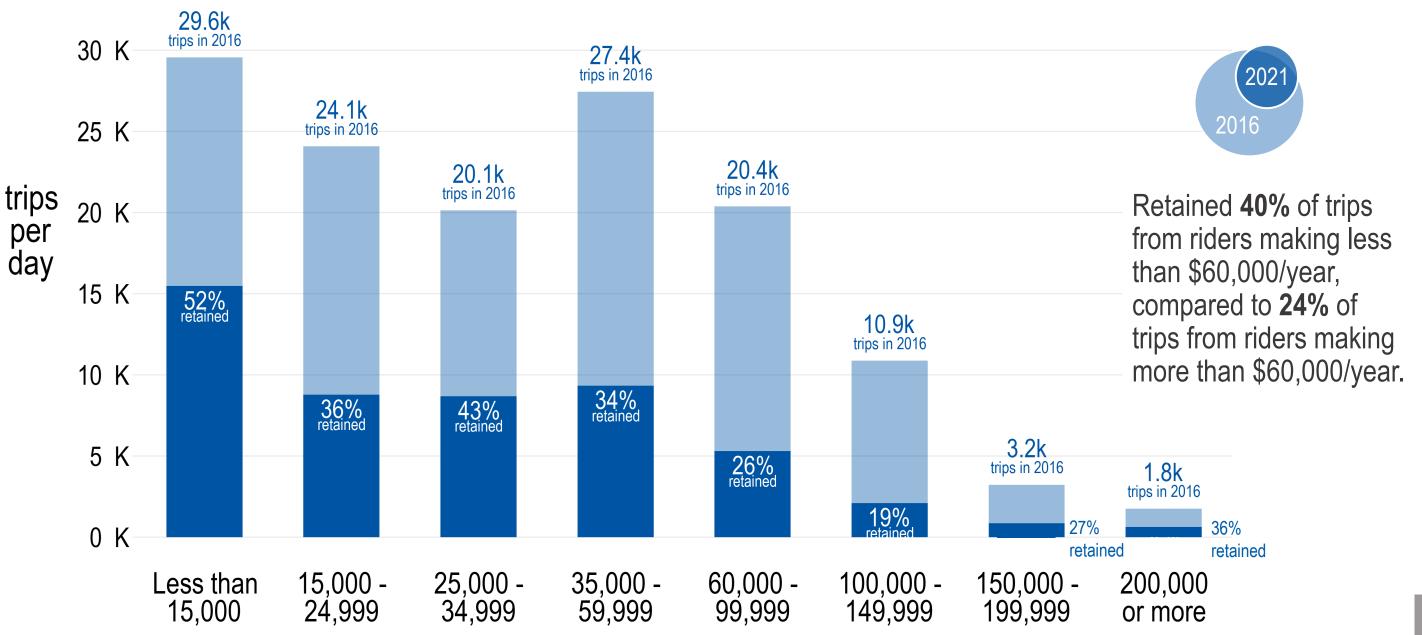


## Share of riders who identify as Black or Latino has increased



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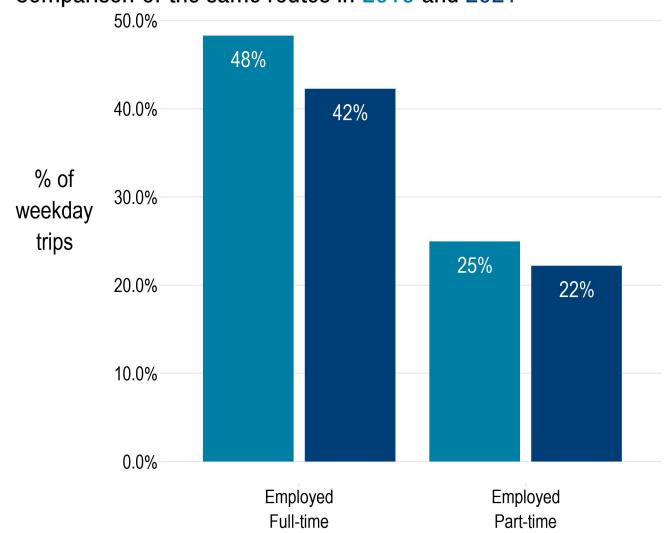
## Retained greatest share of trips made by lowest-income riders



## Share of trips made by riders who are employed or students decreased

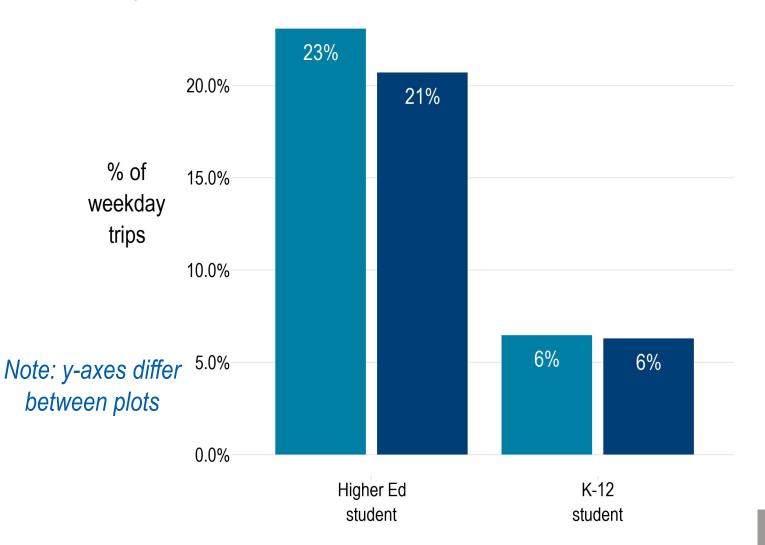
A smaller share of riders are employed

Comparison of the same routes in 2016 and 2021



A smaller share of riders are students

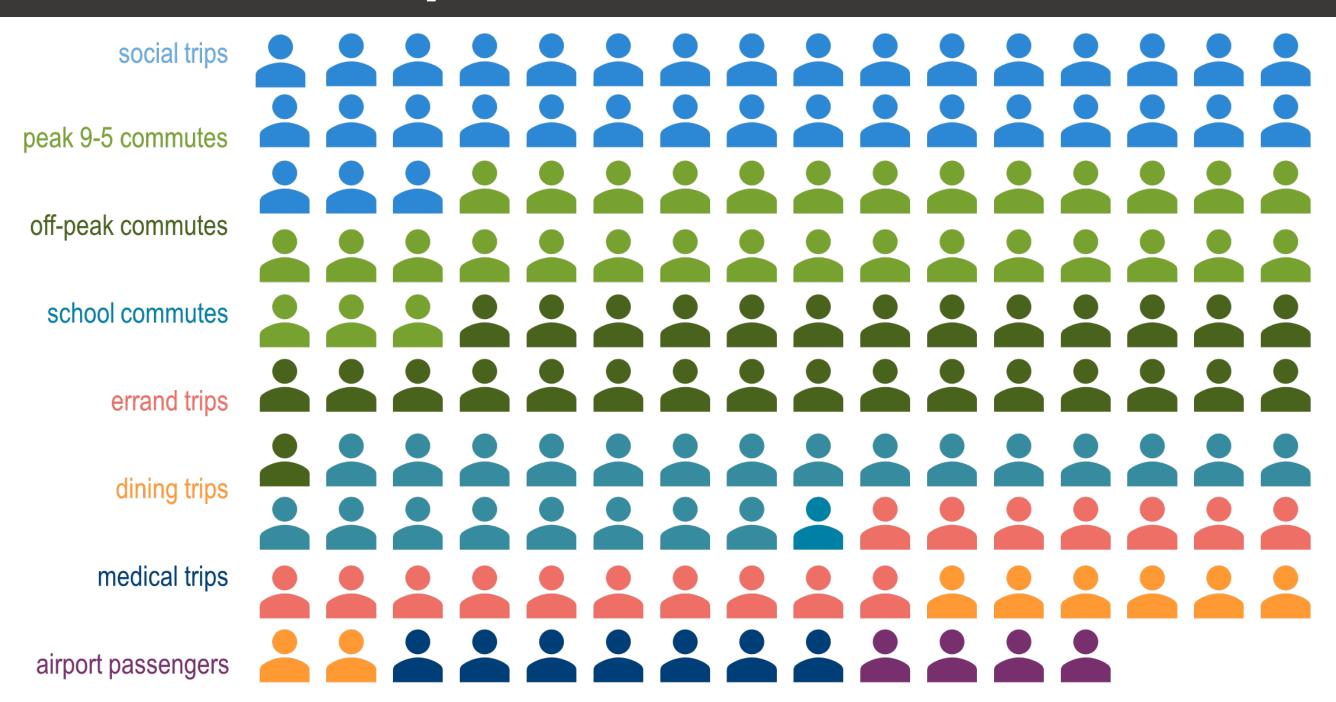
Comparison of the same routes in 2016 and 2021



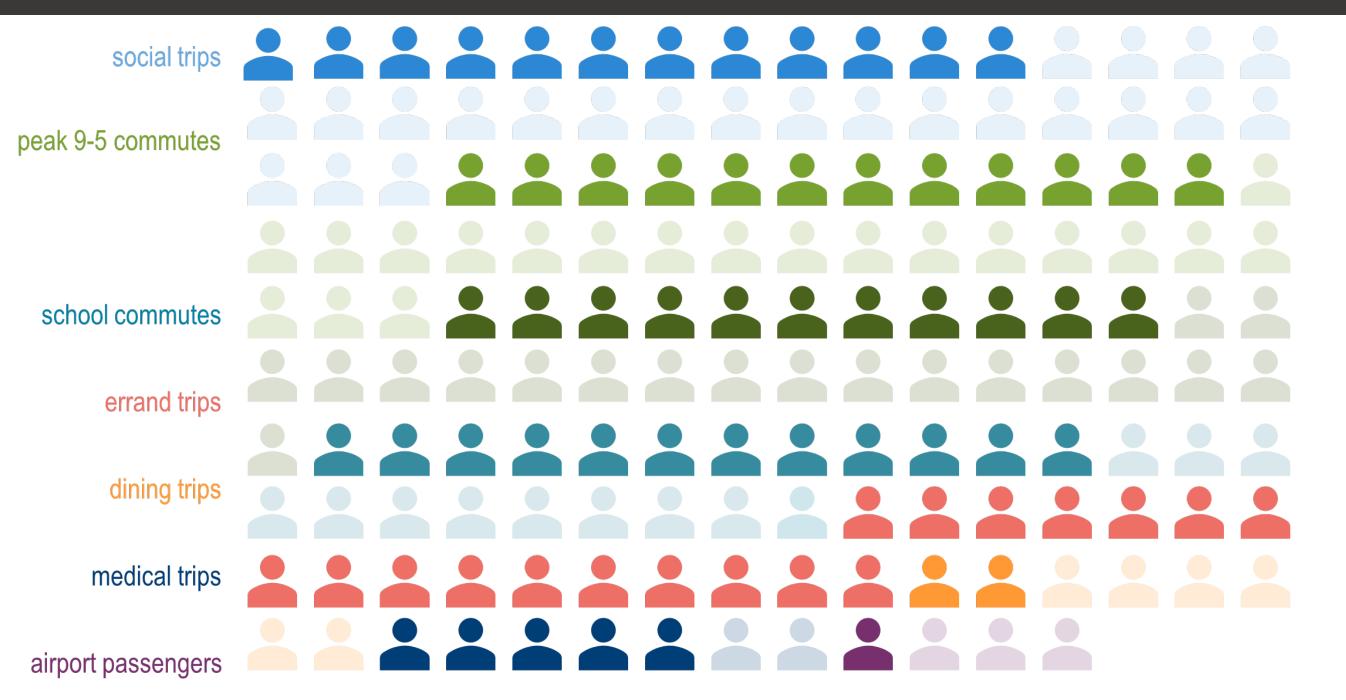
What kinds of trips are people making?



### 157,000 trips in 2016

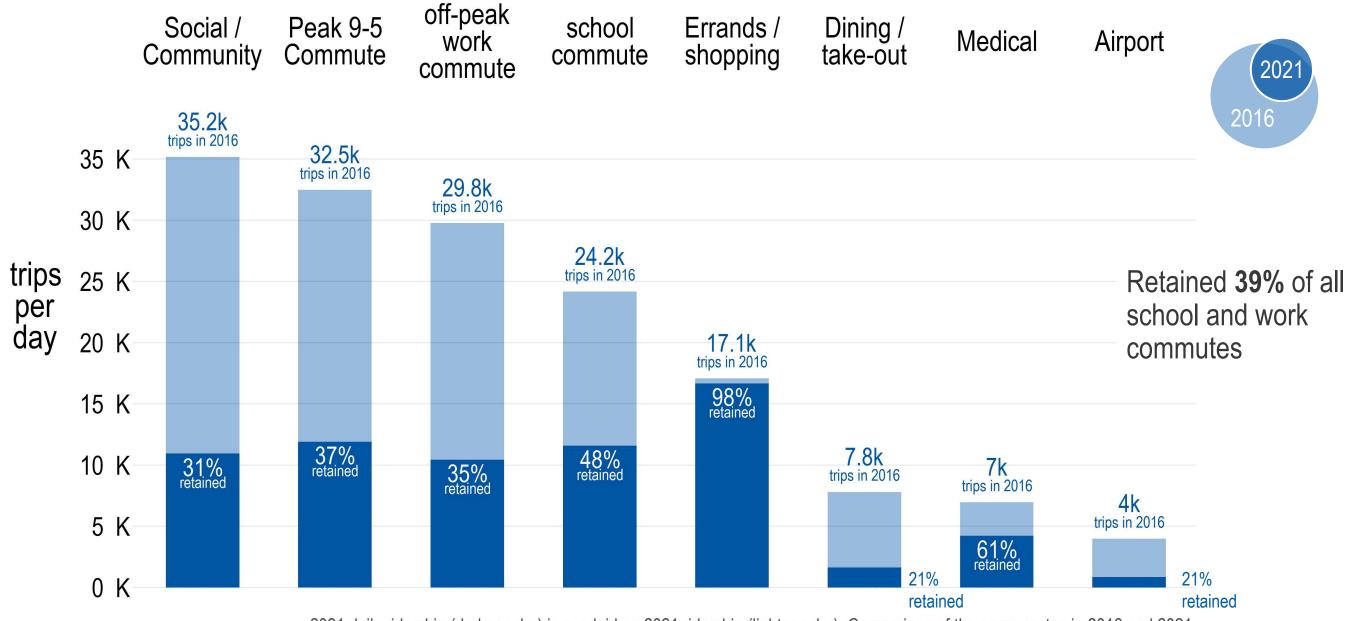


### 72,000 trips retained in 2021

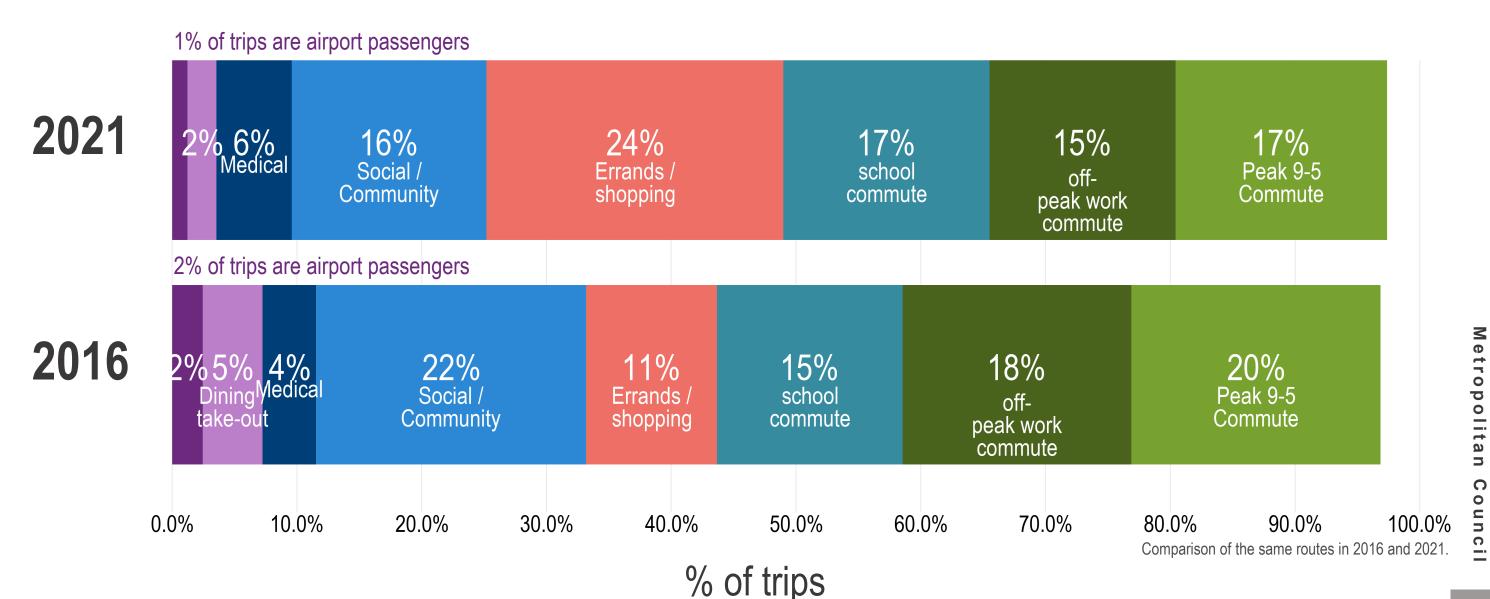


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## Retained greatest share of trips made for errands, least for airport passengers



## The share of people traveling for errands has grown

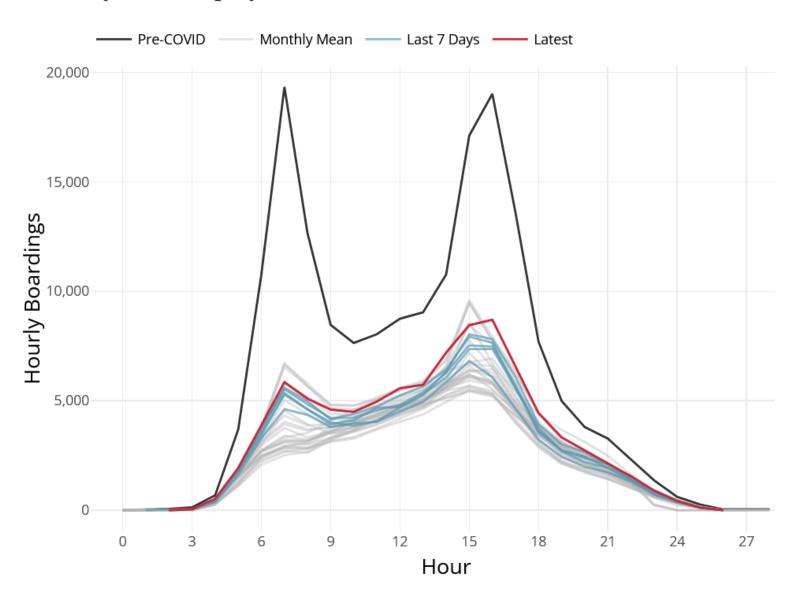


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## Previously observed trends: ridership by hour

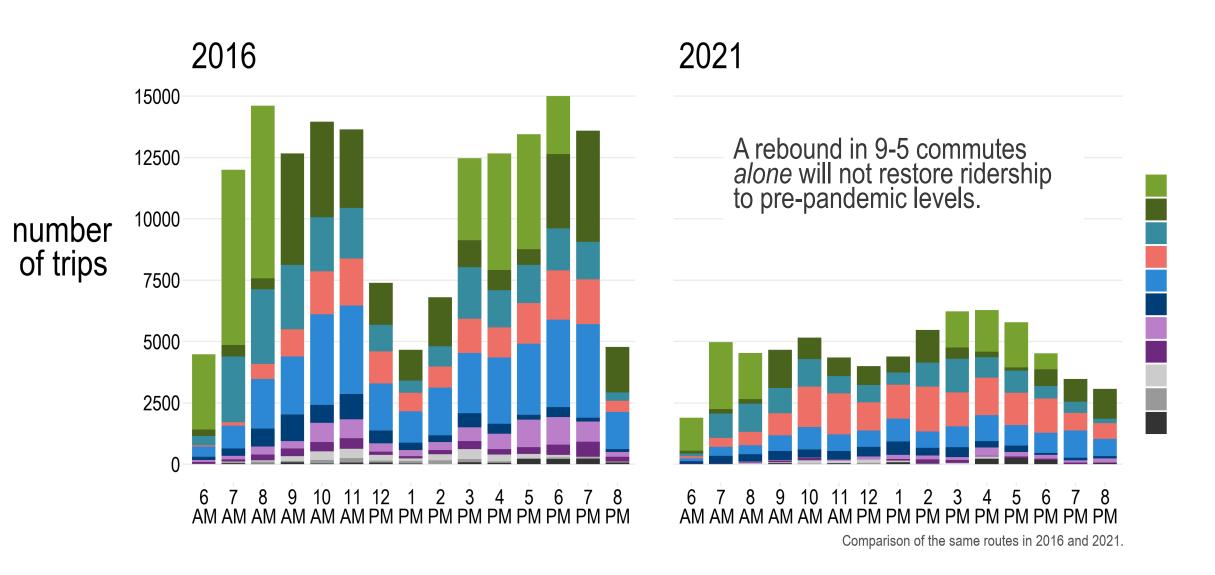


#### Weekday Ridership by Hour



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## 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

## **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

## Plan for main survey



#### Main survey starts Summer 2022

- Currently in planning phase
- Planning for uncertainty
- All routes, directions, time of day
- Includes weekends
- Will be reaching out to providers to ensure operators are aware of our presence
- Final data back Q1 2023
- Will make data available to all providers, stakeholders in online dashboard

#### Your questions are welcome!

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## Appendix: More complete gender identity options available in 2021

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

