



Twin Cities Emerging Normal

TBI Household Survey 2023



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metro council.org

TBI Household Survey

- Designed to collect demographic information, daily travel activities, and typical transportation patterns of people who live in the greater Twin Cities region.
- Mixed mode survey residents could participate via a
 - smartphone based travel survey app
 - an online survey
 - or a call center
- Data Collections happened in 3 waves
 - 2019: October 2018 - September 2019 - 7,837 households
 - 2021: June 2021 – February 2022 – 7,950 households
 - 2023: January 2023 – January 2024 – 3,749 households

How Much we Travel

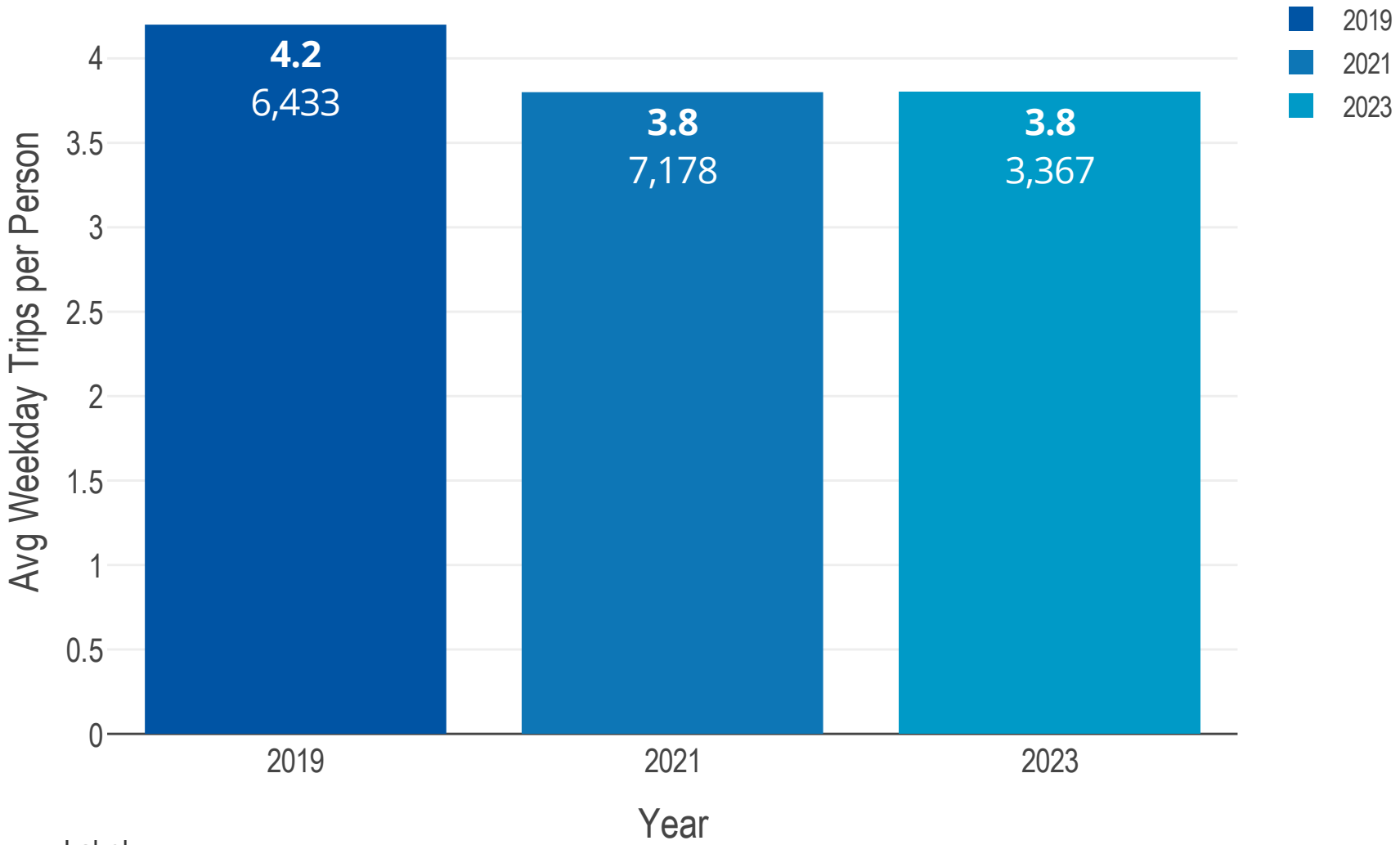


Pandemic-era trip decline has stabilized



Trip Rate Across Survey Waves

Source: TBI Household 2019-2023

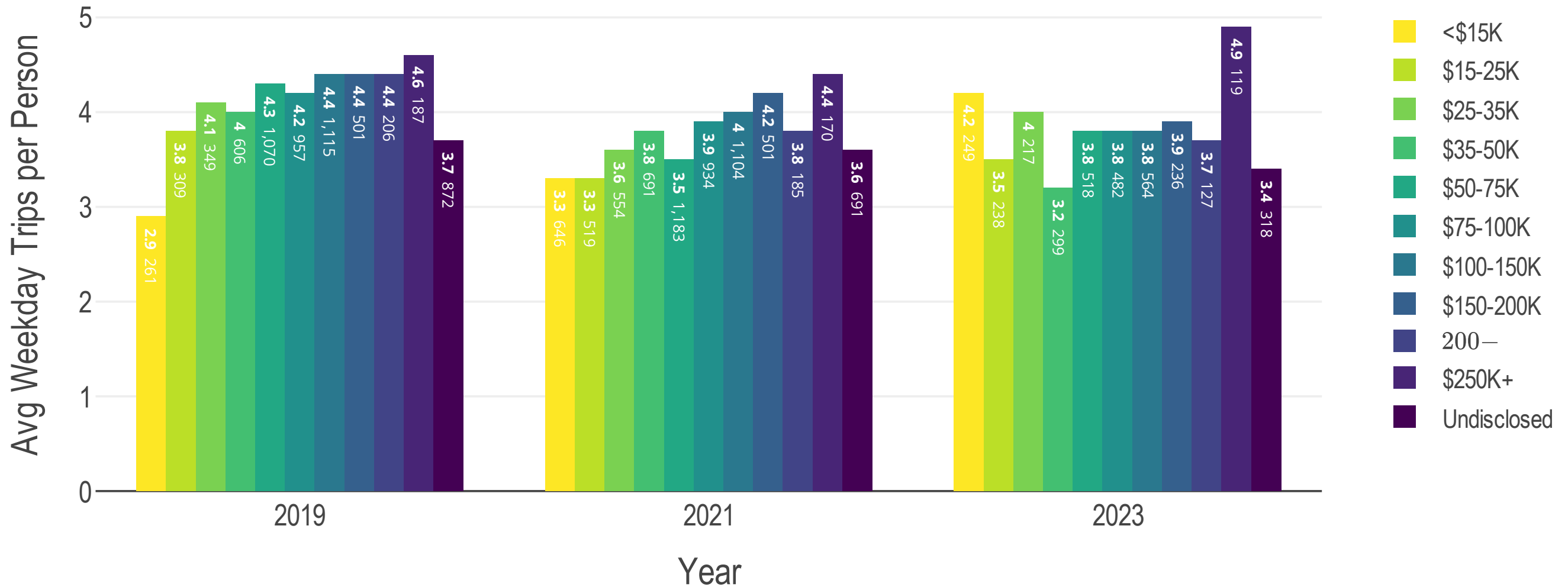


Label =
Trips/Person
Households

Income trip rate trends are different in pandemic era

Trip Rate Across Survey Waves by Household Income

Source: TBI Household 2019-2023

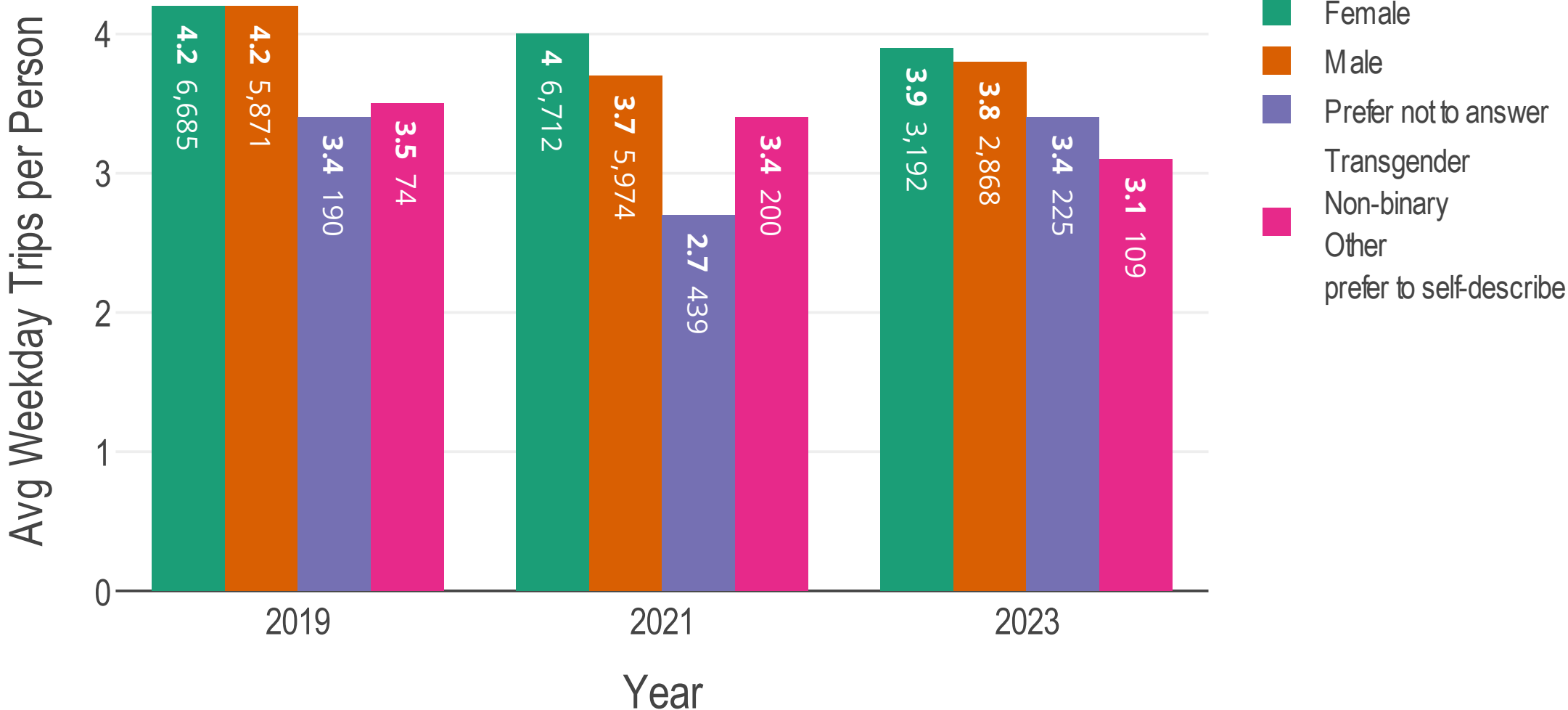


Label = Trips/Person Households

Trip rate stability varied by gender

Trip Rate Across Survey Waves by Gender

Source: TBI Household 2019-2023



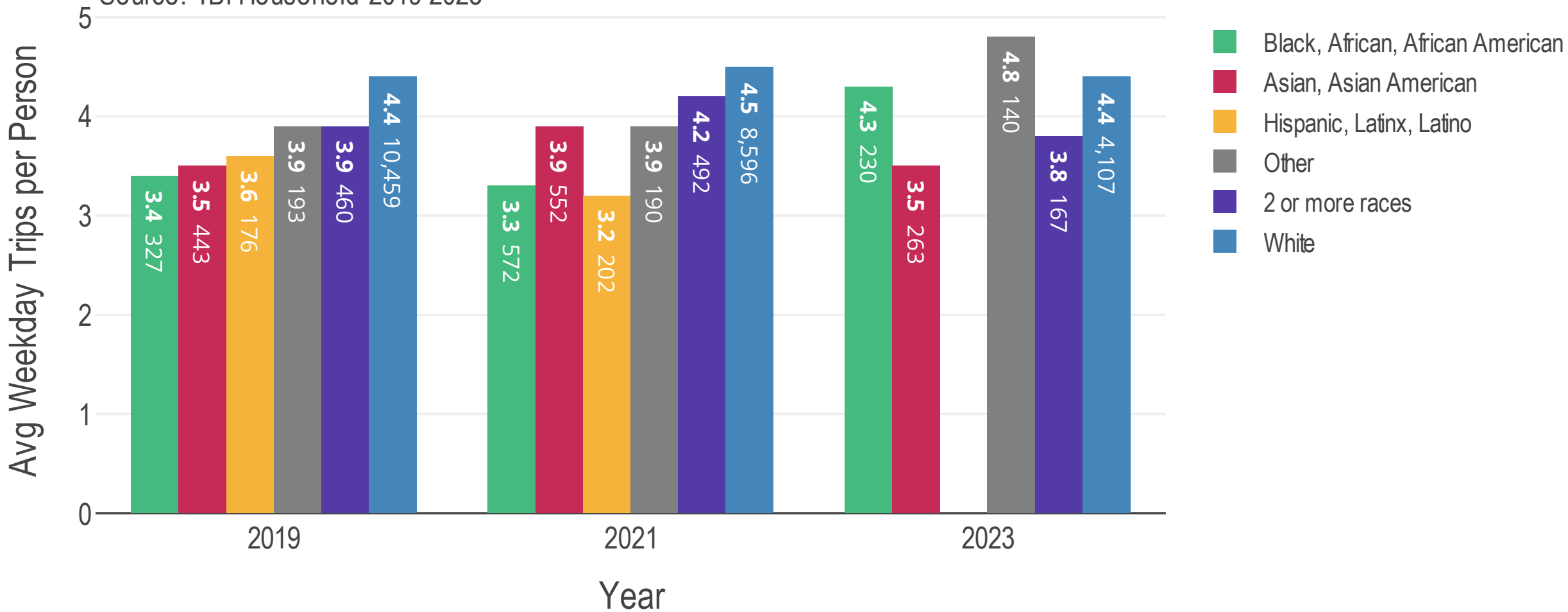
Label = Trips/Person Survey Participants



Trip rate stability varied by race

Trip Rate Across Survey Waves by Race

Source: TBI Household 2019-2023



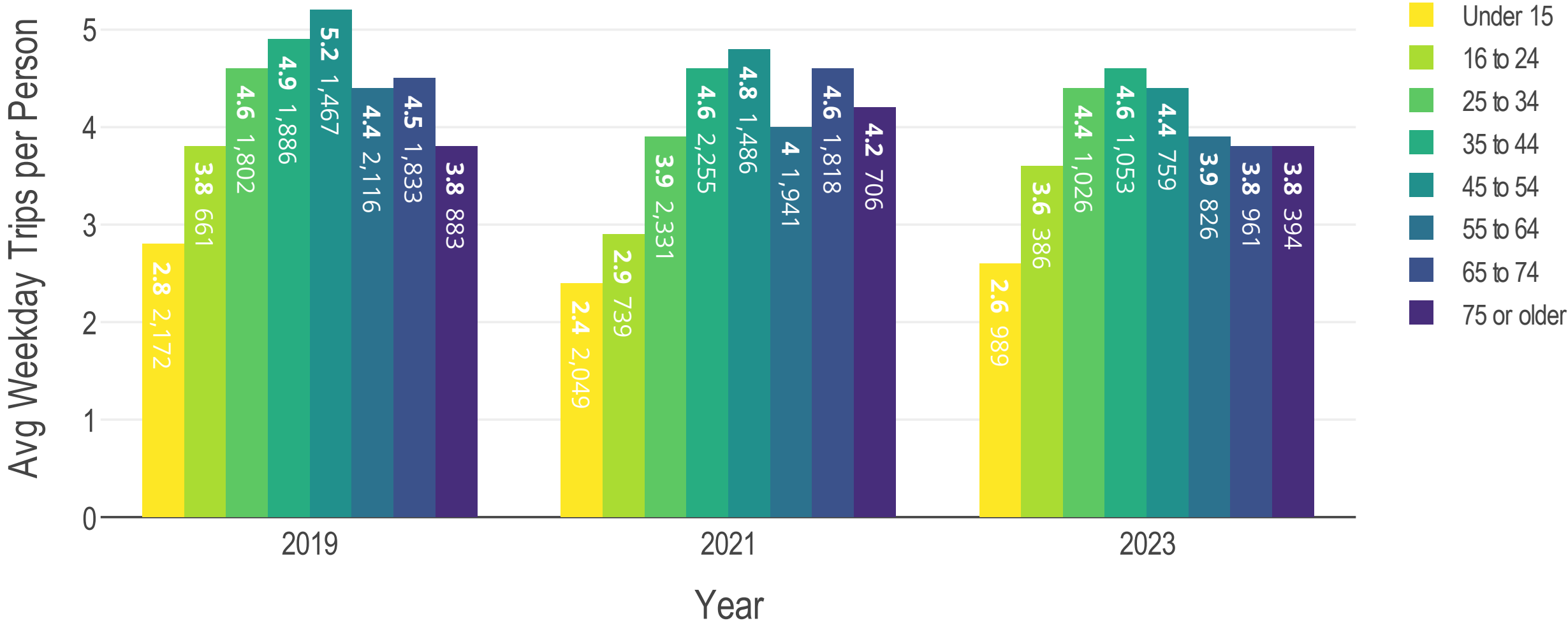
Label = **Trips/Person** Survey Participants

Methodology changed in 2023 removing the Hispanic, Latinx, and Latino category and asking it in a separate question. Other category consists of respondents that selected other, American Indian, Alaskan Native, Middle Eastern, North African, and Native Hawaiian, Pacific Islander. These responses were combined for presentation purposes due to small samples sizes

16 to 34 year olds: bouncing back

Trip Rate Across Survey Waves by Age

Source: TBI Household 2019-2023

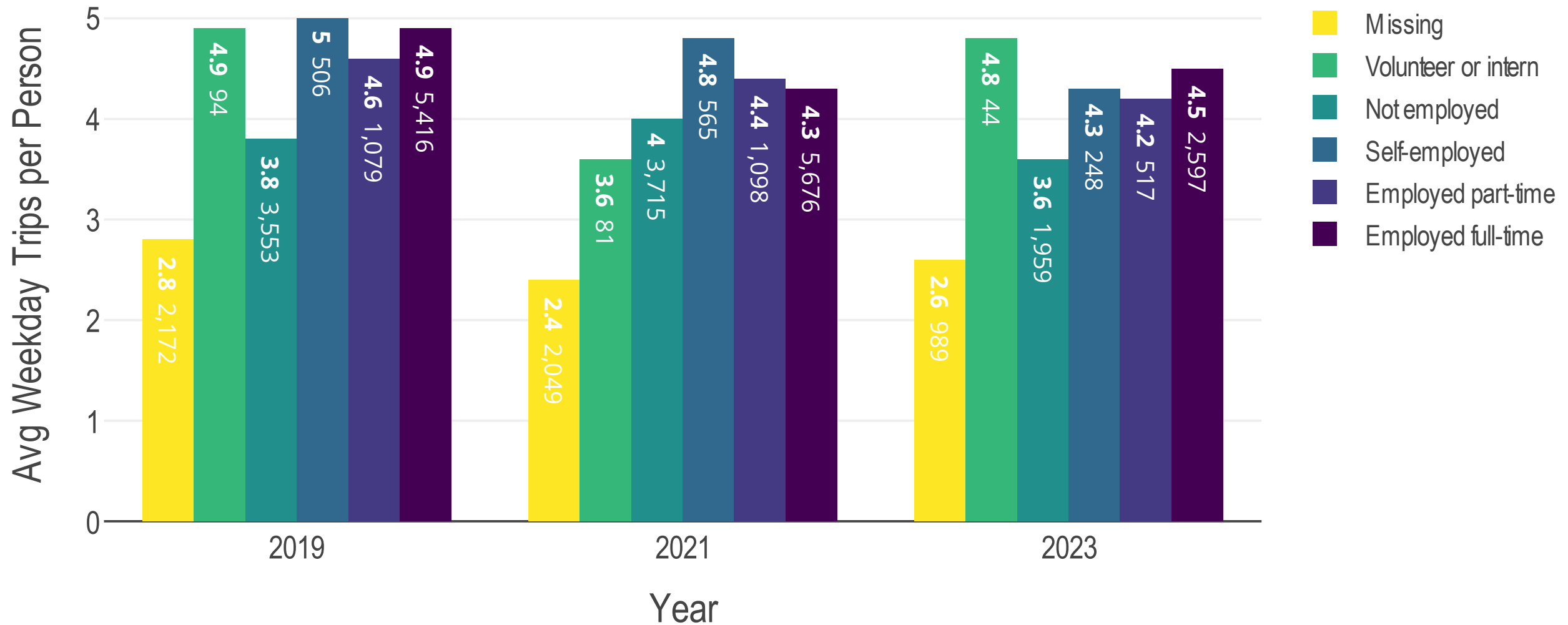


Label = Trips/Person Survey Participants

Not employed and missing employment make fewer trips

Trip Rate Across Survey Waves by Employment

Source: TBI Household 2019-2023



Label = Trips/Person Survey Participants

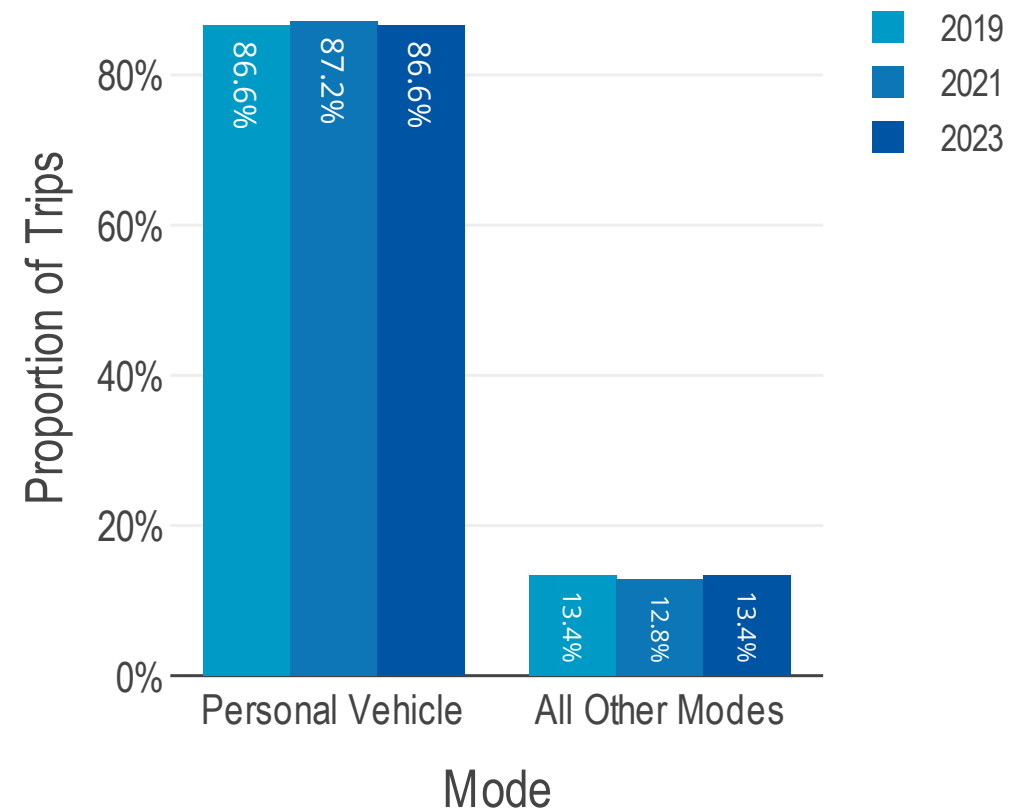
How we travel



Transit rides are returning

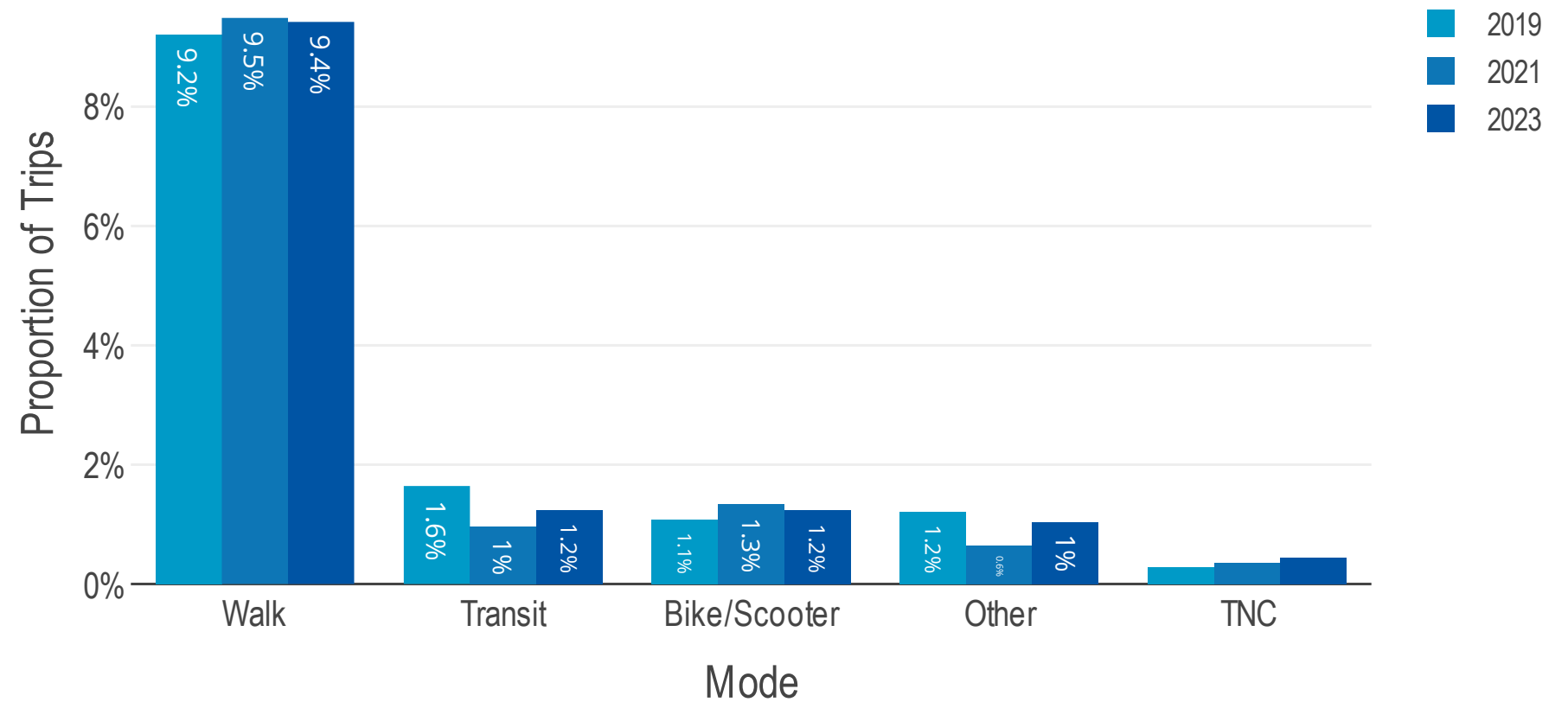
Mode Share Across Survey Waves

Source: TBI Household 2019-2023



Non-Personal Vehicle Mode Share Across Survey Waves

Source: TBI Household 2019-2023

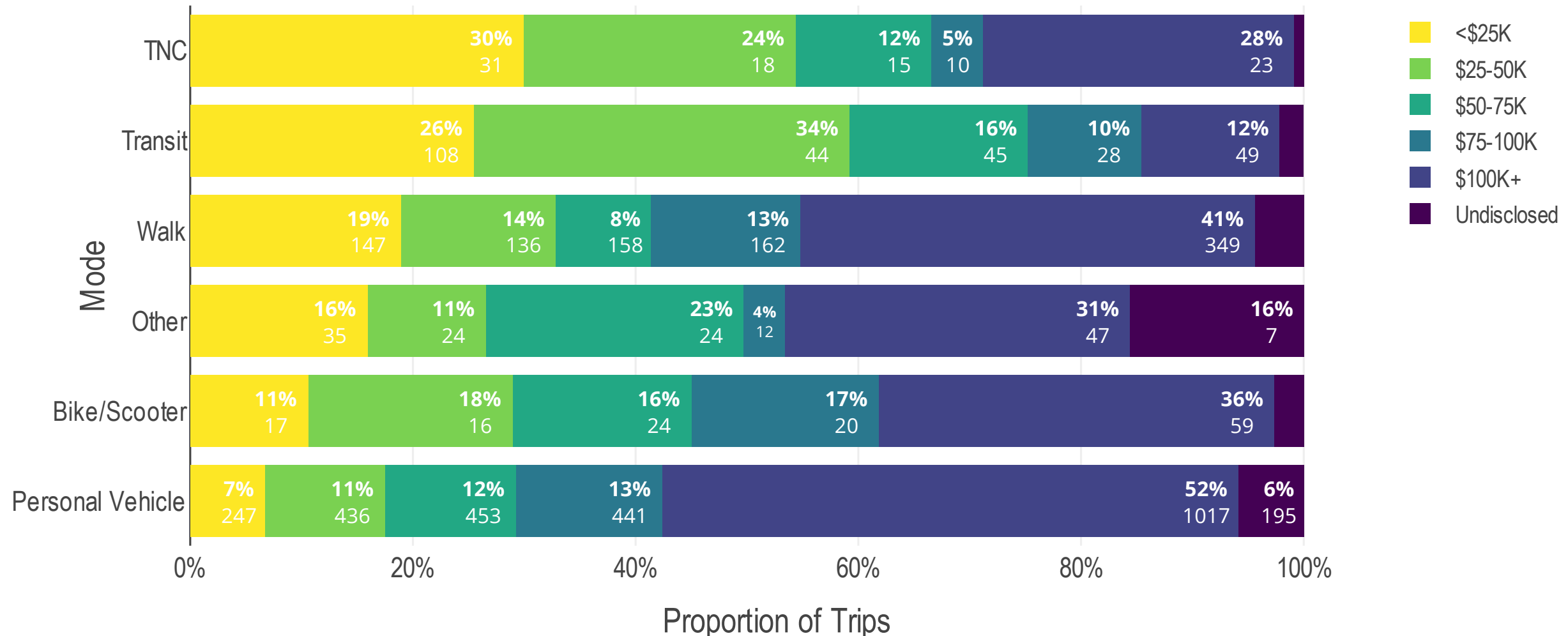


Notes: See Mode Categories in the Appendix for further definition of mode labels.

Households with income over \$100K make up more than half of personal vehicle trips

2023 Travel Mode by Household Income

Source: TBI Household 2023



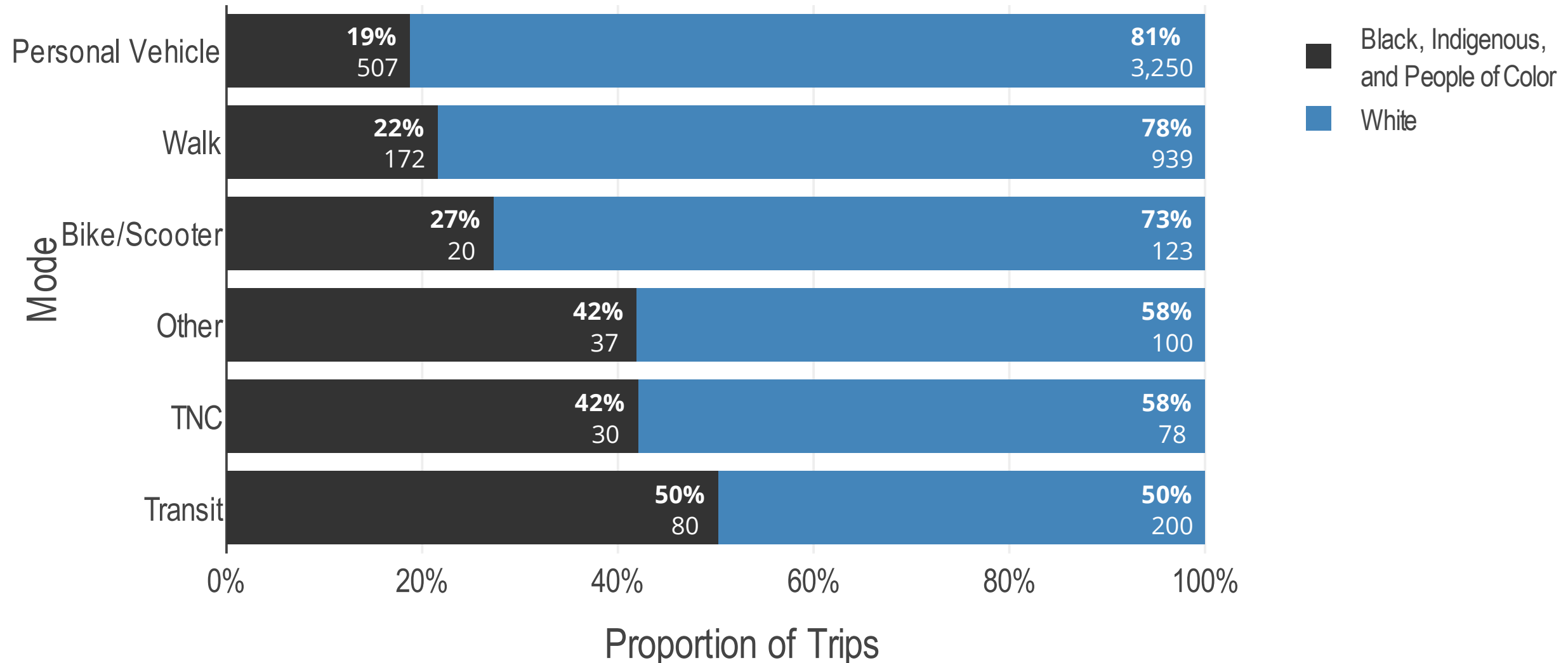
Label =
Proportion of Trips
Households

Notes: See Mode Categories in the Appendix for further definition of mode labels.

White residents take more than 80% of personal vehicle trips

2023 Travel Mode by Race

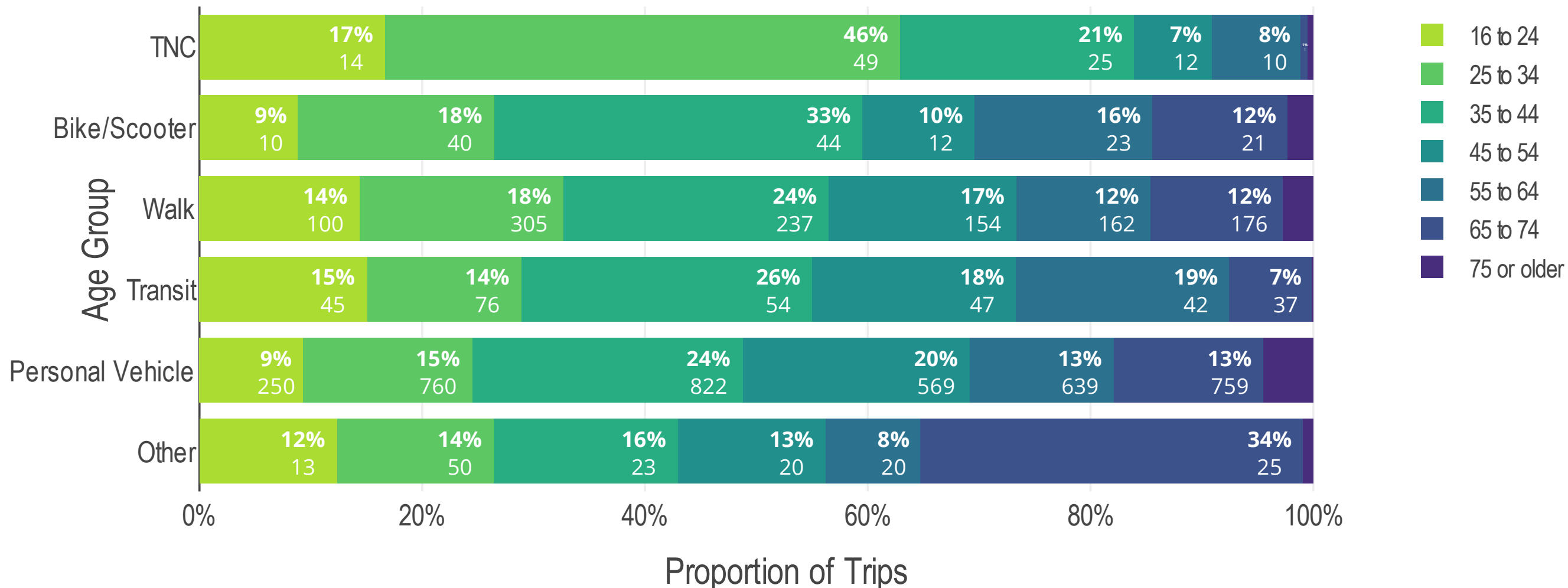
Source: TBI Household 2023



TNC, bike, scooter, transit, and walking skew younger. Personal vehicle trips skew older.

2023 Travel Mode by Age

Source: TBI Household 2023



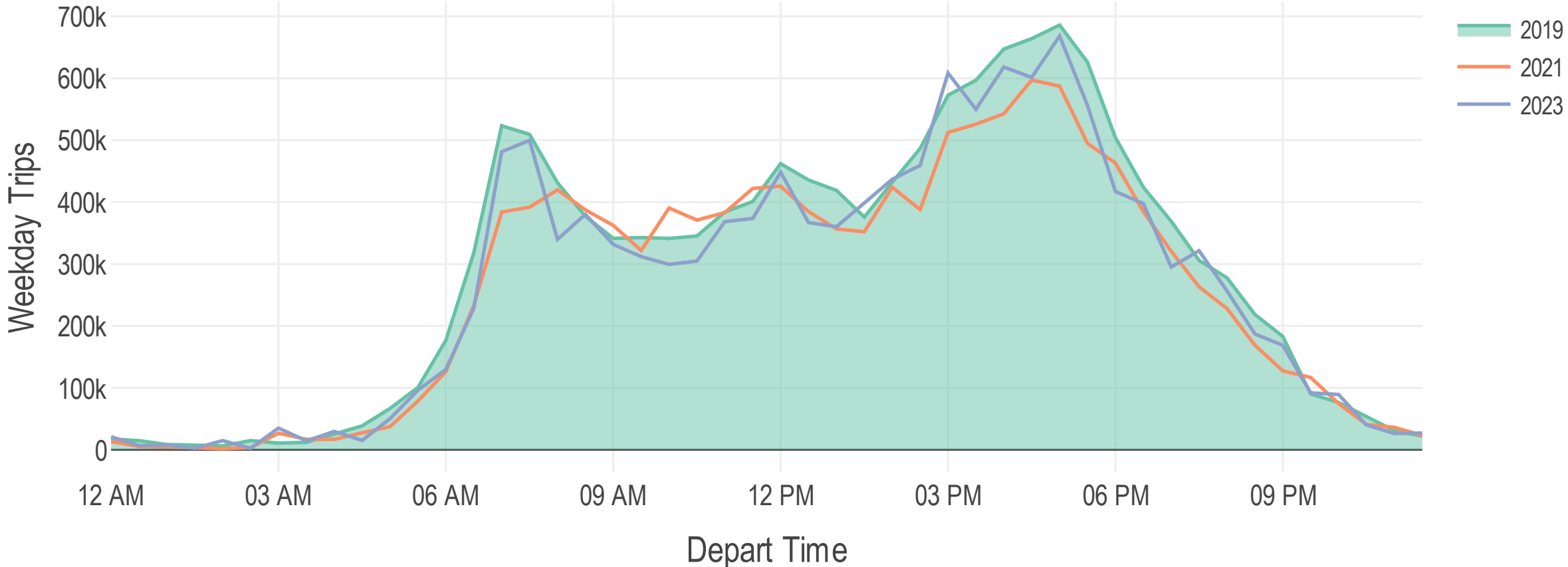
When we travel



Peak travel times are returning

Departures by Time of Day

Source: TBI Household 2019-2023

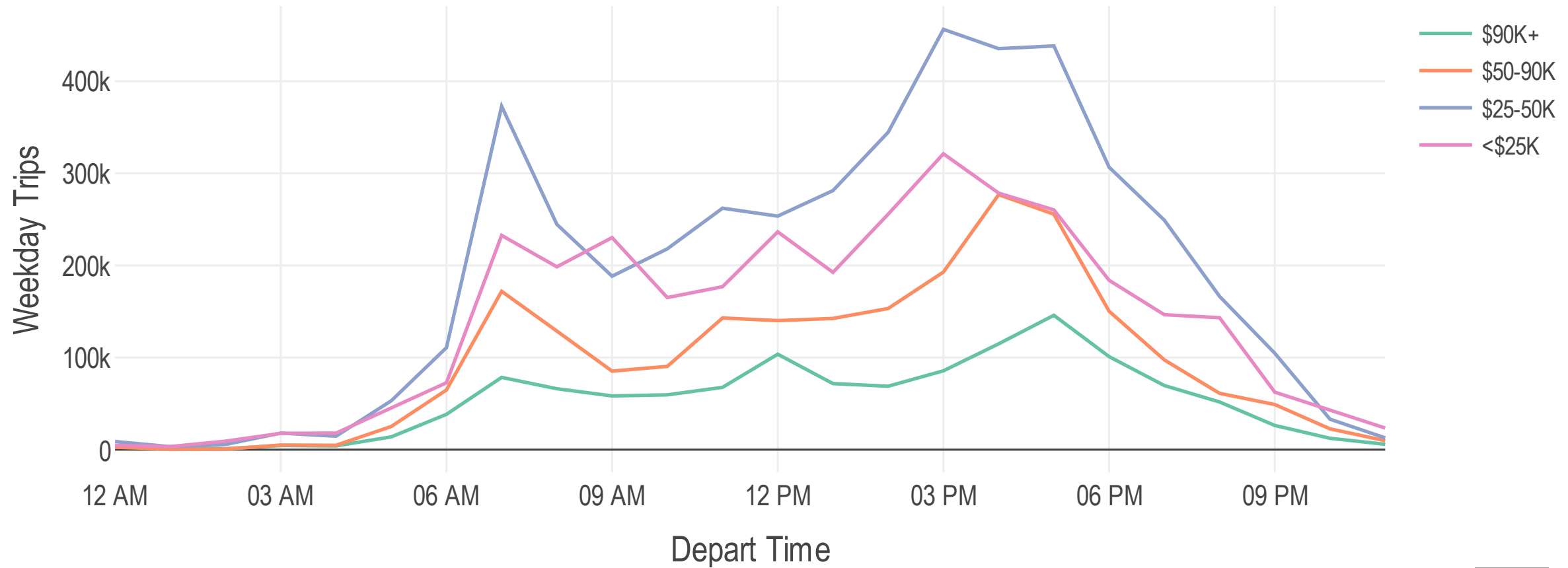


Low- and high-income levels have less peaked travel



Trip Departures Times by HH Income Per Person

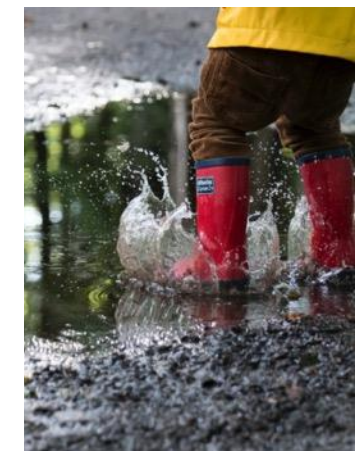
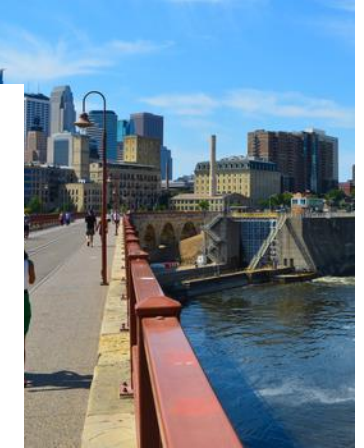
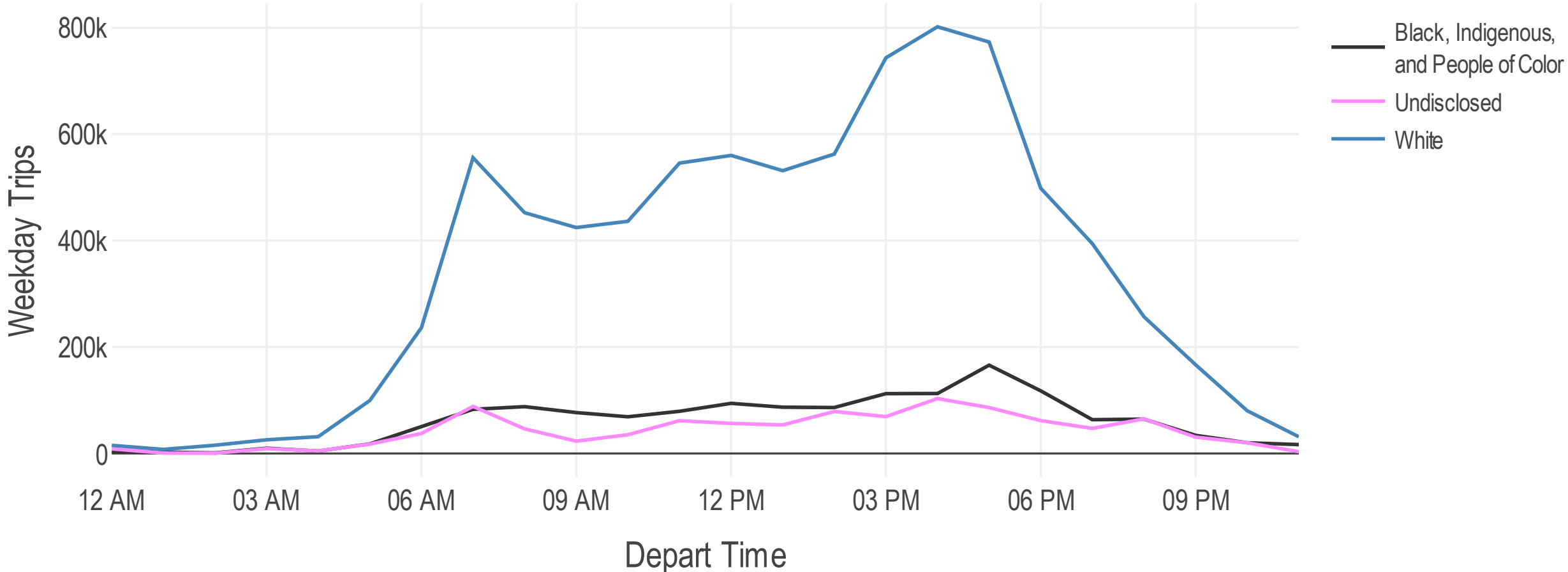
Source: TBI Household 2023



Travel time differ by race/ethnicity

Trip Departures Times by Race

Source: TBI Household 2023

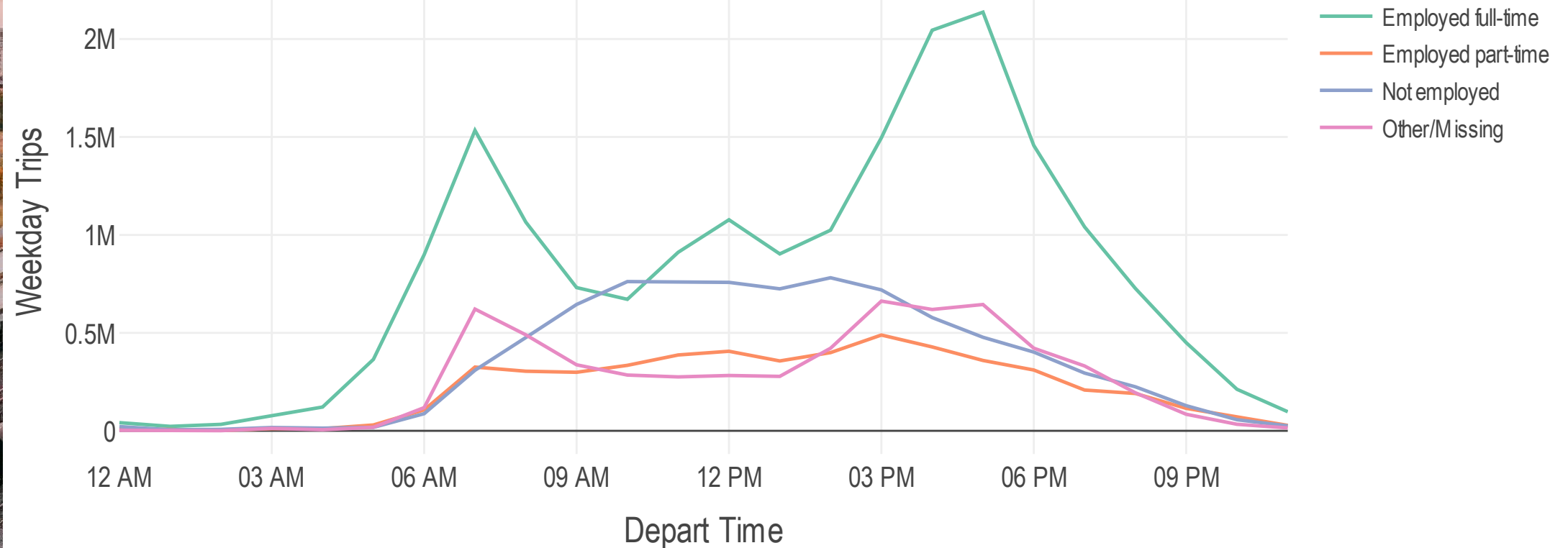


Not employed make trips during the day, while employed trips are more peaked



Trip Departures Times by Employment Status

Source: TBI Household 2023



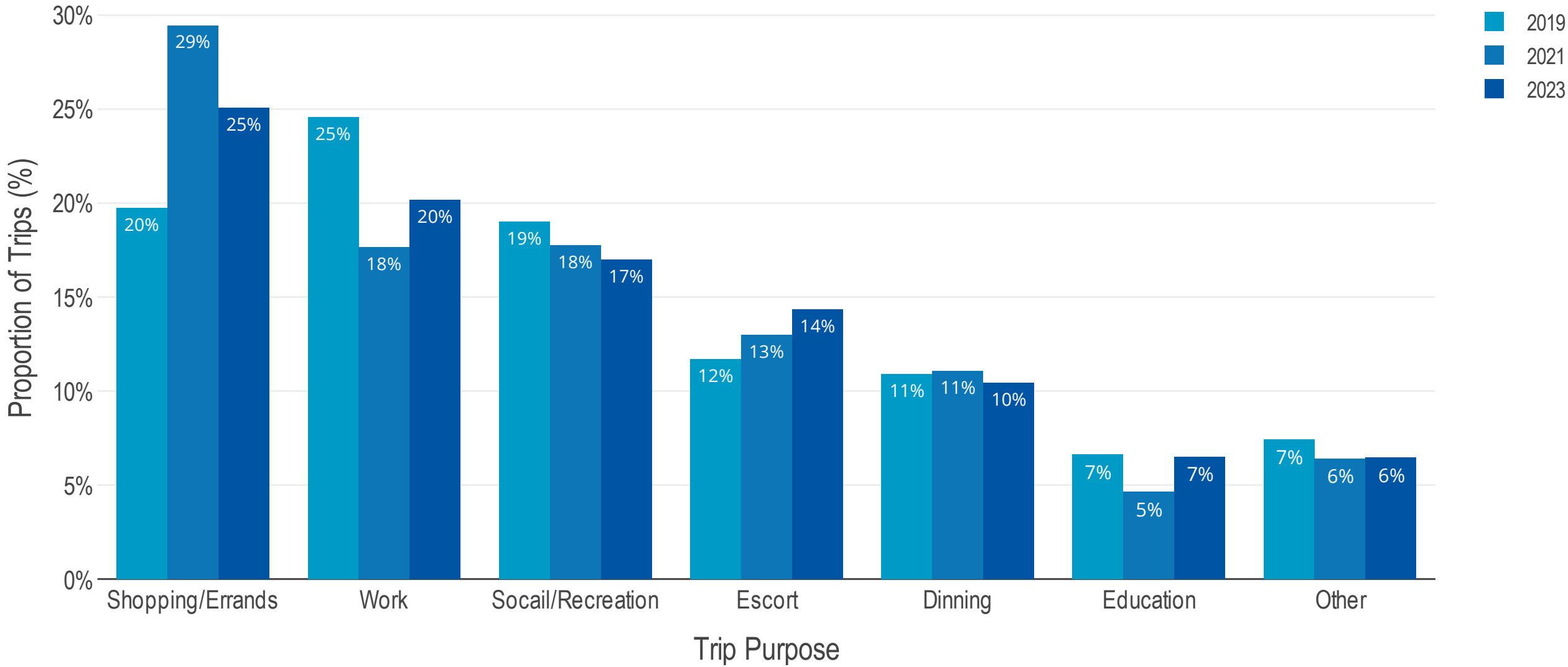
Why we travel



Shopping & errands remain most taken trips

Trip Purpose by Year

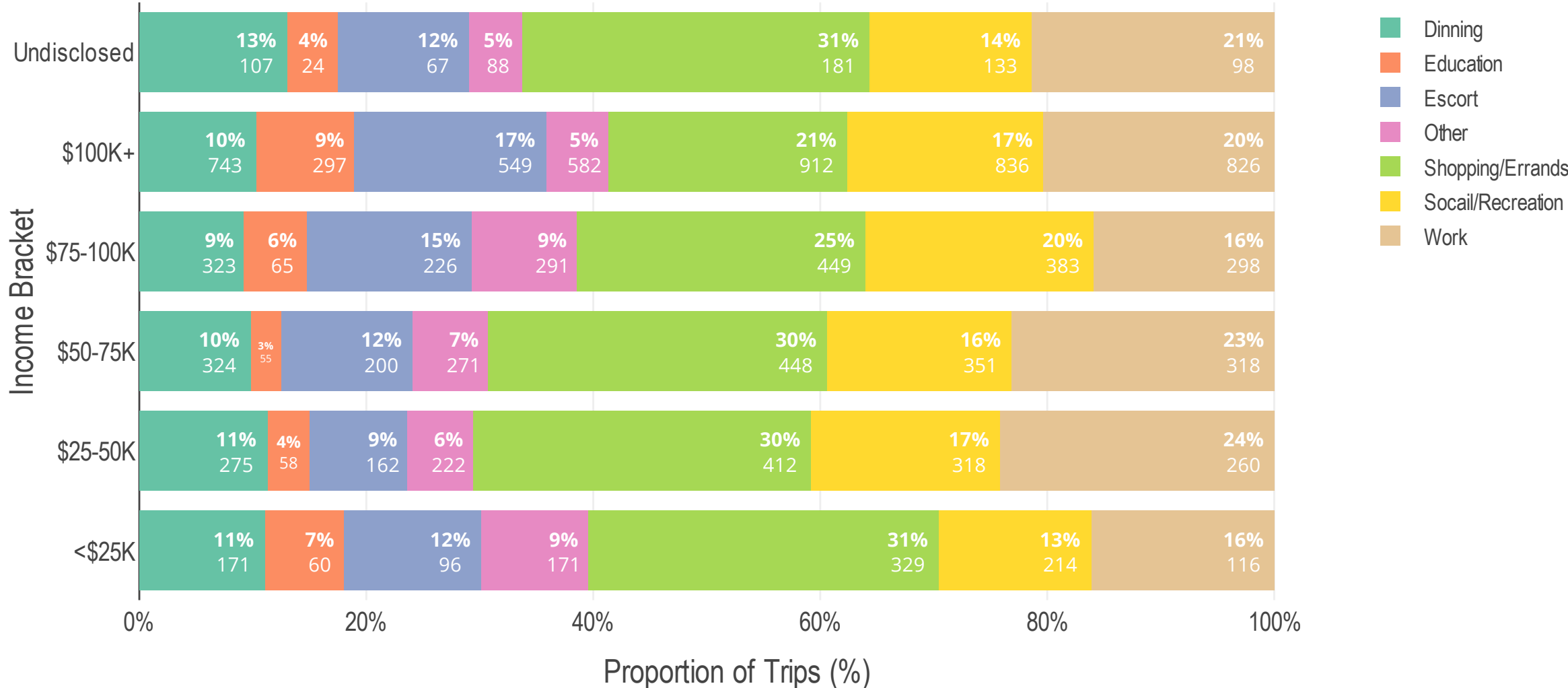
Source: TBI Household 2019-2023



Trip purpose similar across income categories

2023 Trip Purpose by Income

Source: TBI Household 2023

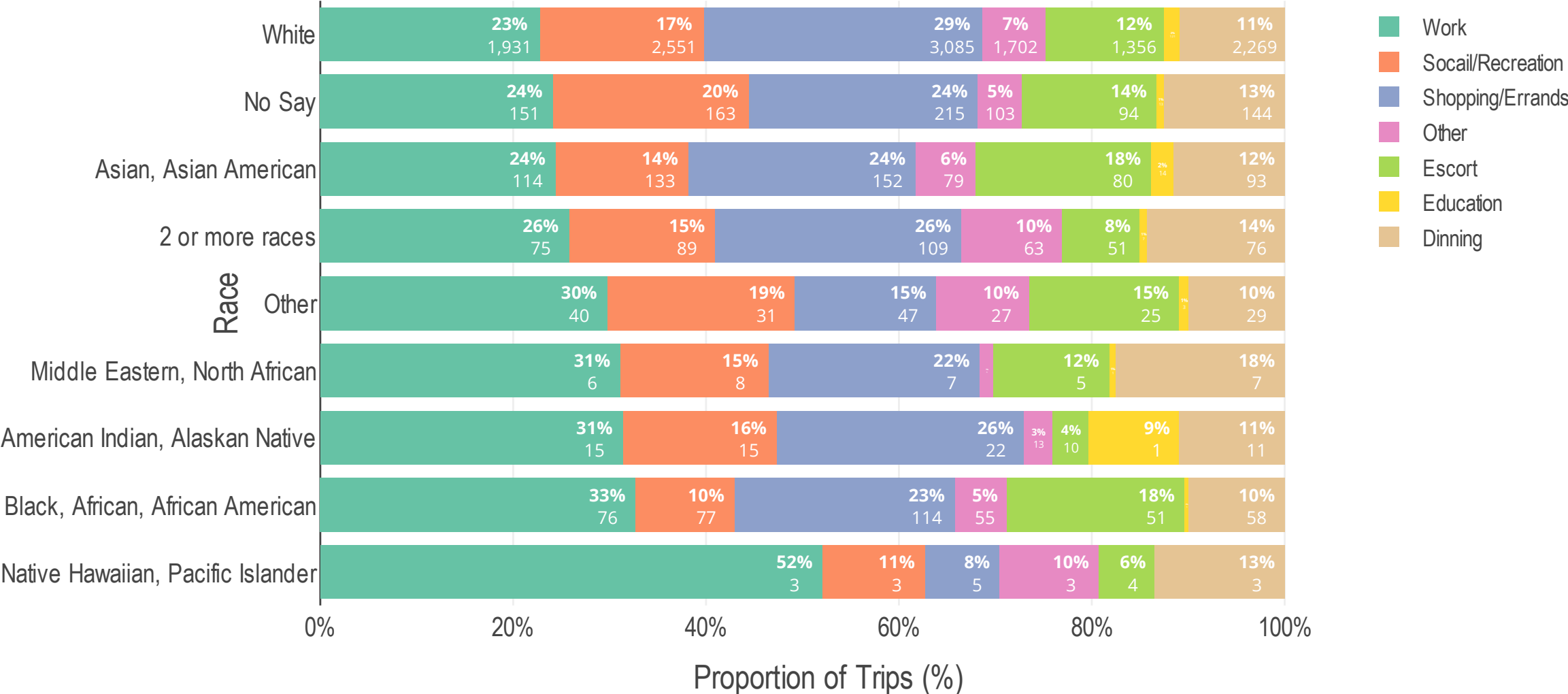


Label =
Proportion of Trips
Households

White residents have fewest work trips and most shopping/errand trips

2023 Trip Purpose by Race

Source: TBI Household 2023

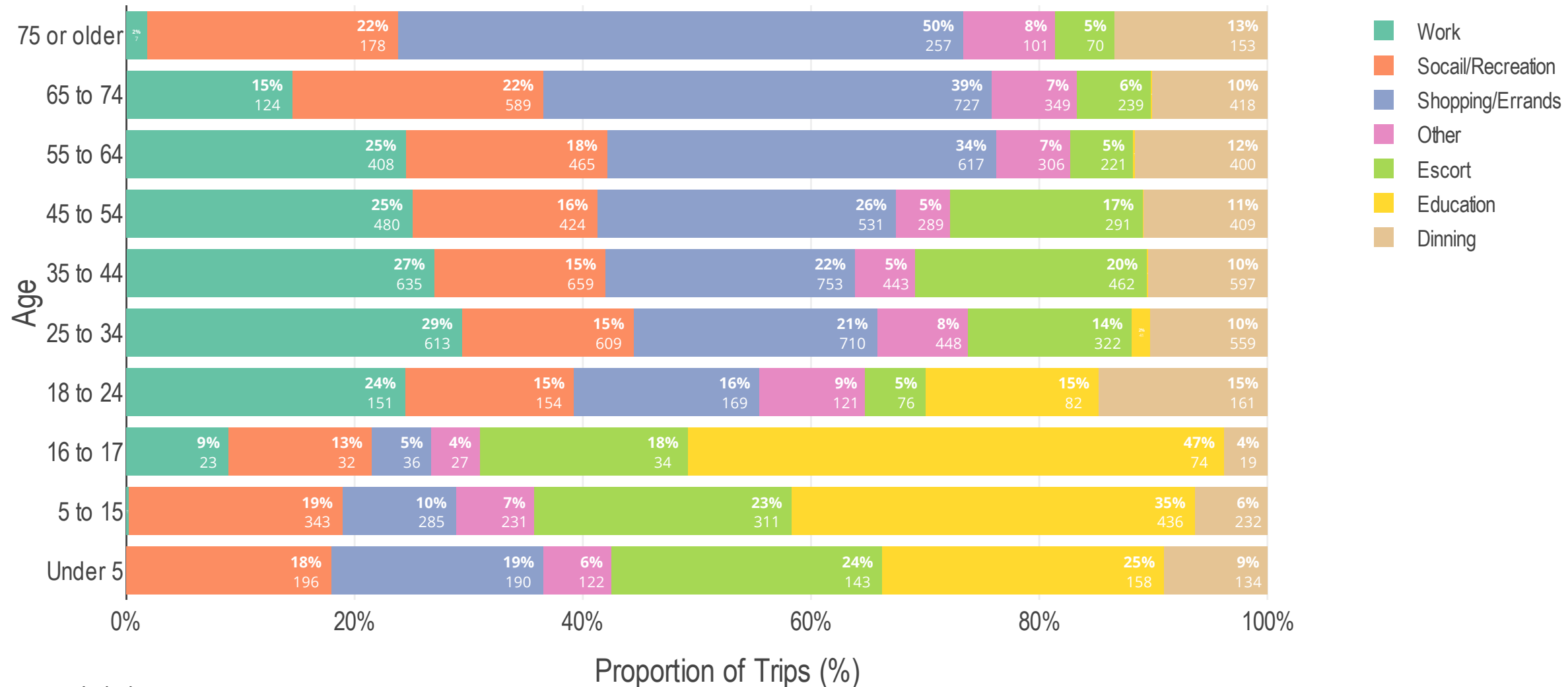


Label =
Proportion of Trips
Survey Participants

Work is replaced by shopping/errands as people age

2023 Trip Purpose by Age

Source: TBI Household 2023

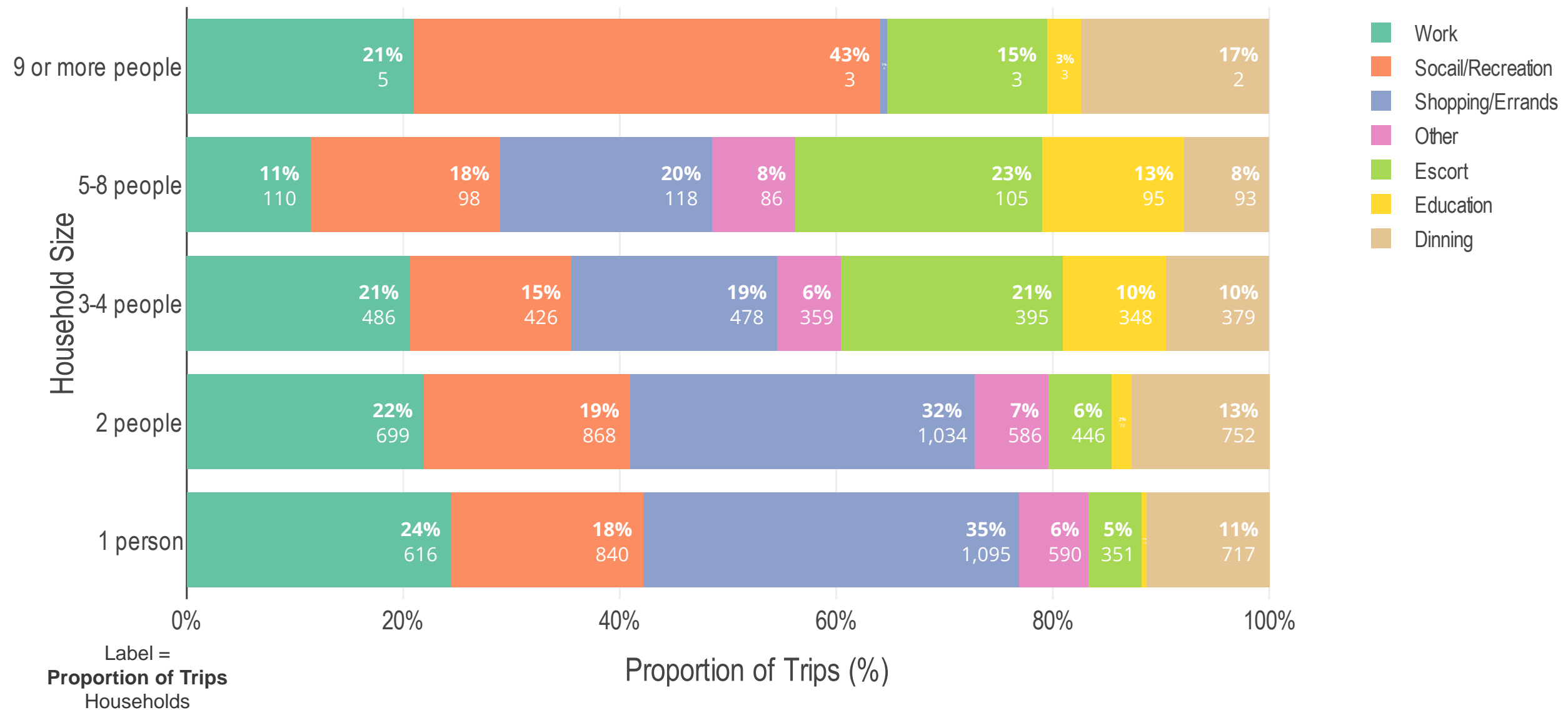


Label =
Proportion of Trips
Survey Participants

Households with more people do less shopping trips and more escort and education trips

2023 Trip Purpose by Household Size

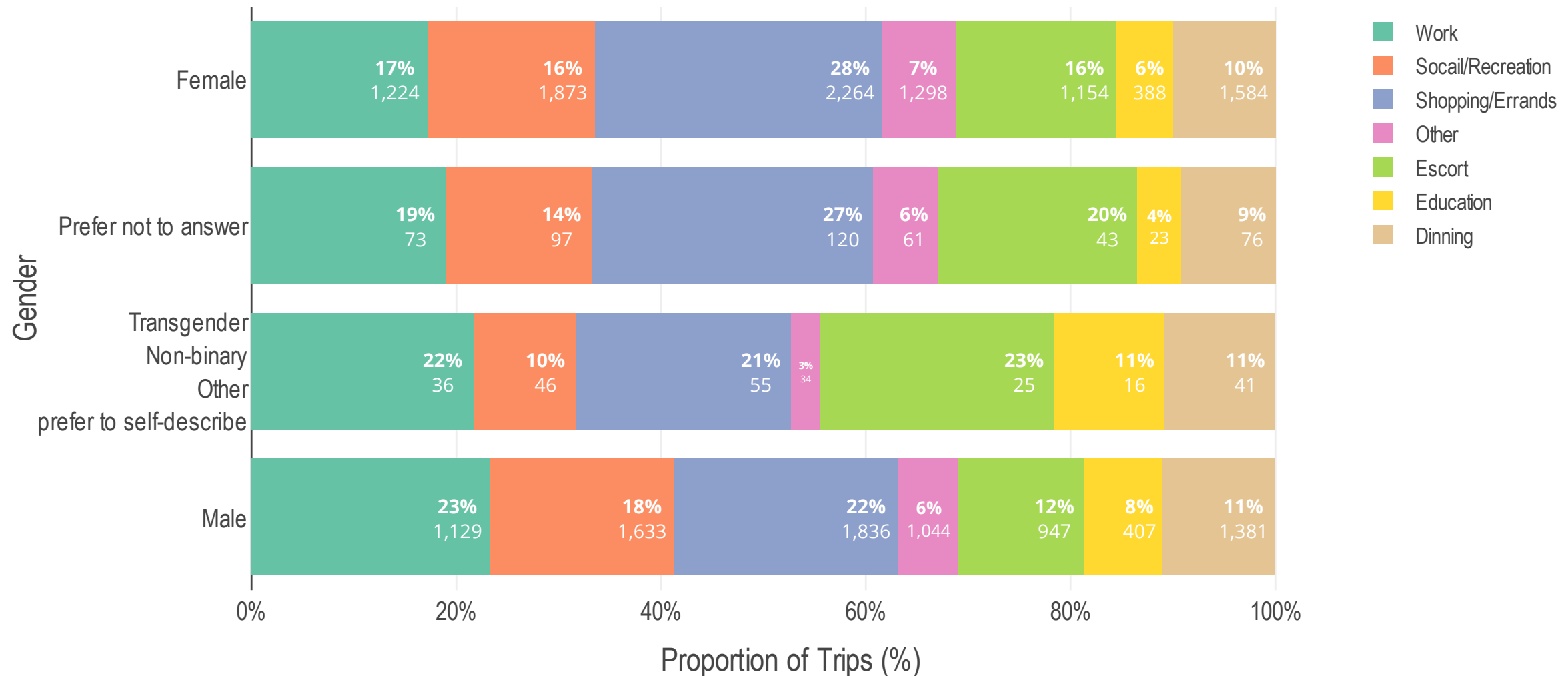
Source: TBI Household 2023



Gender differences persist in travel patterns

2023 Trip Purpose by Gender

Source: TBI Household 2023

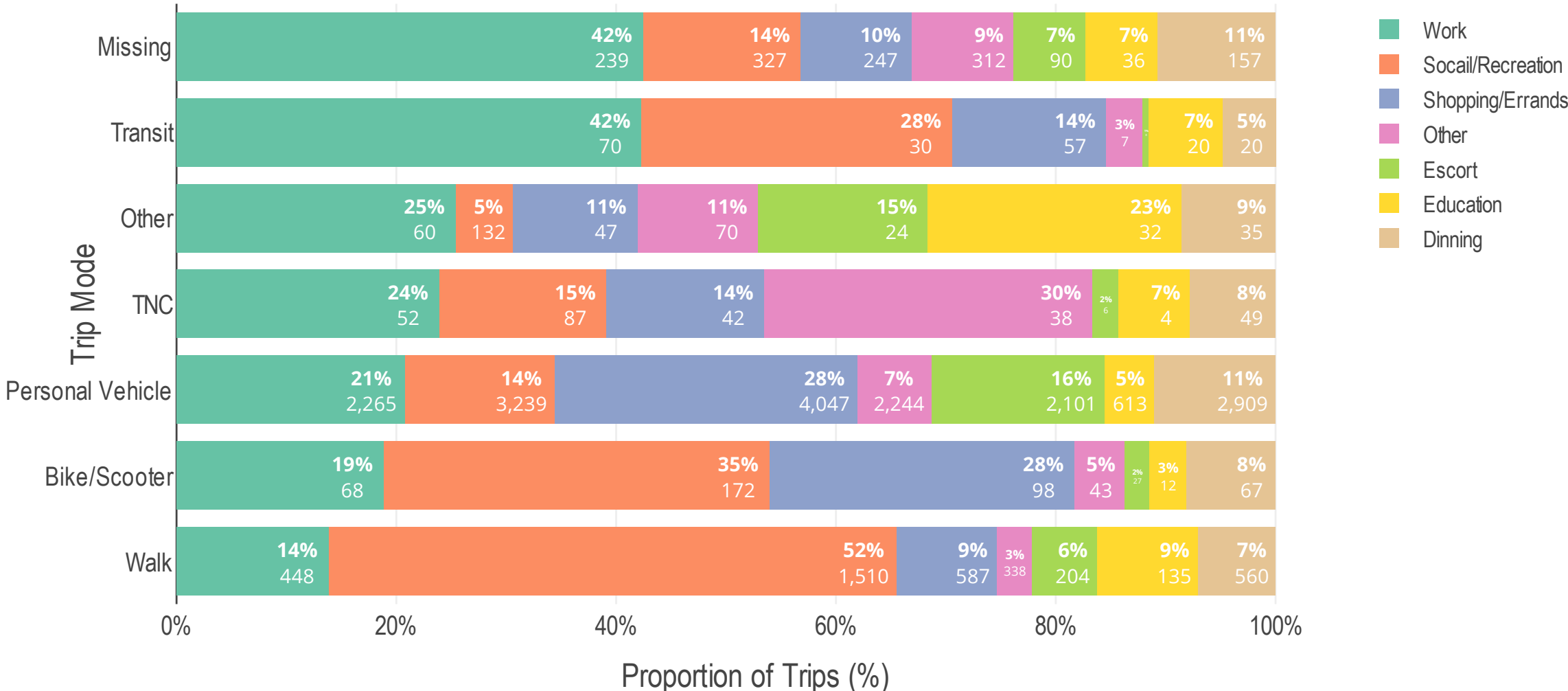


Label =
Proportion of Trips
Survey Participants

People rely on walking and bike/scooter for social/recreation

Trip Purpose by Mode (2023)

Source: TBI Household 2023

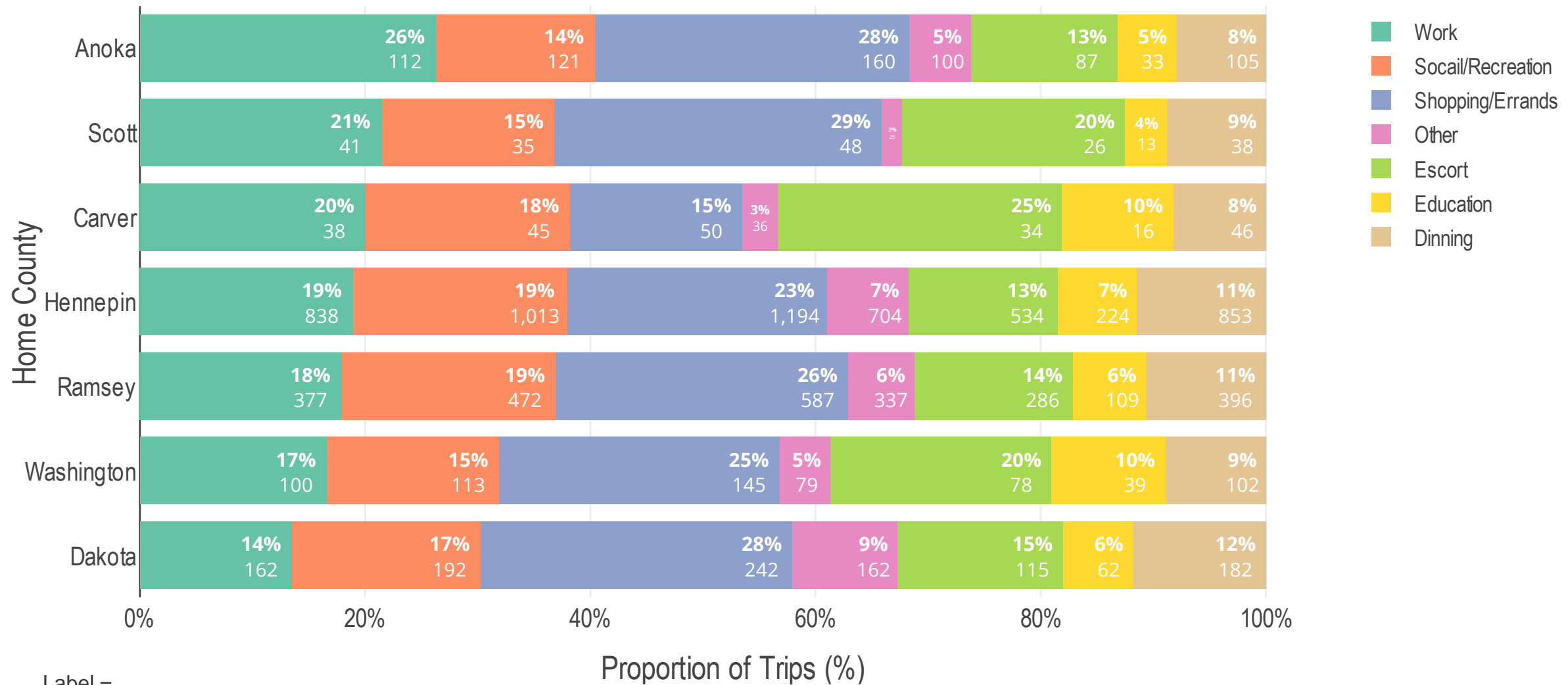


Label =
Proportion of Trips
Survey Participants

Where you live relates to how you travel

Trip Purpose by Household Home County (2023)

Source: TBI Household 2023



Label =
Proportion of Trips
Households

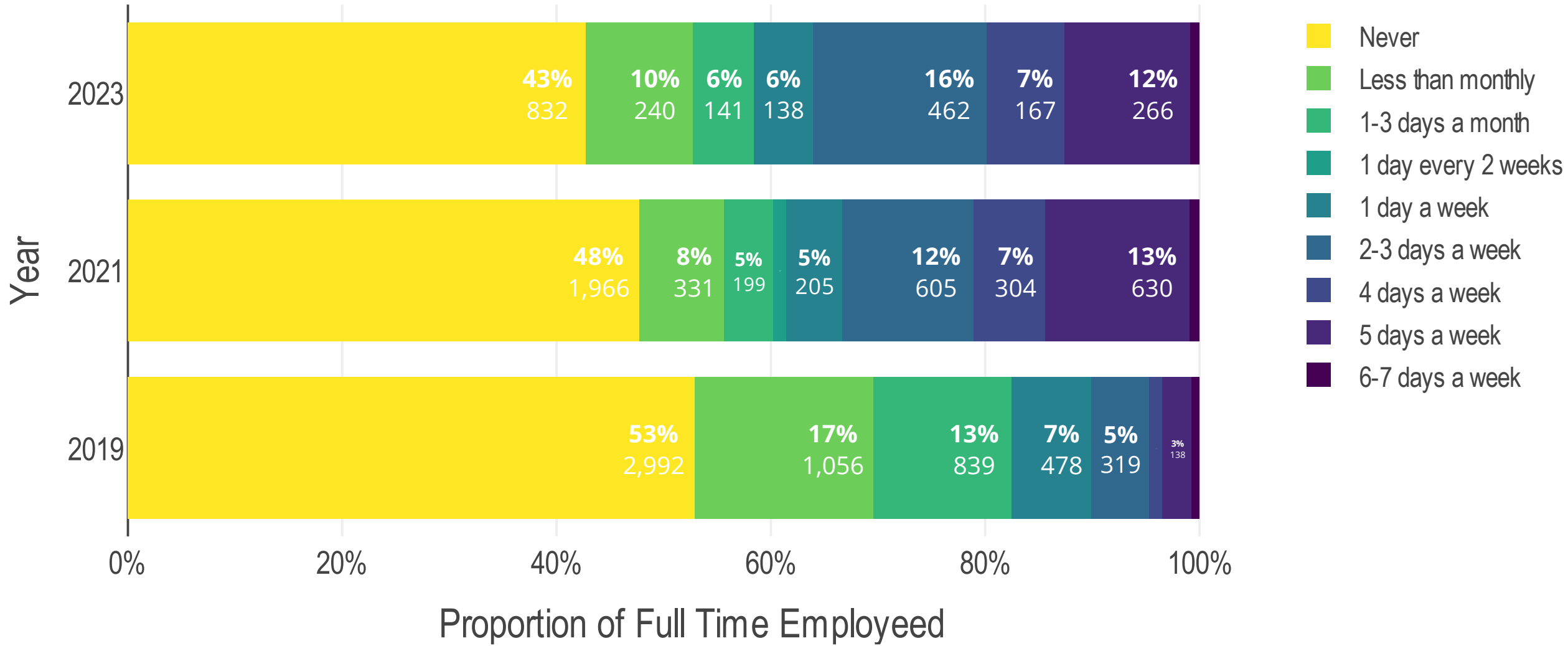
Telework



Continued rise of telework

Telework Frequency Across Survey Waves

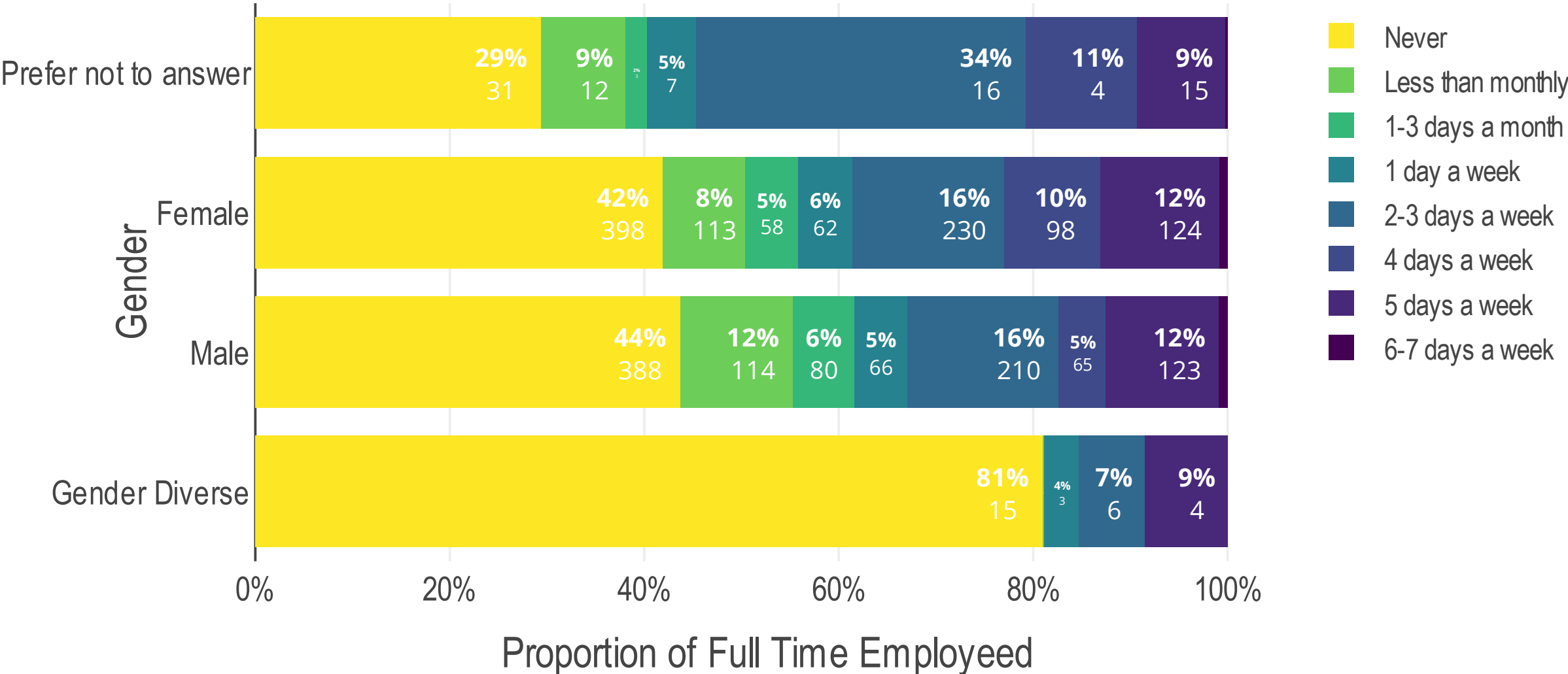
Source: TBI Household 2019-2023



Men telework less than women

2023 Telework Frequency by Gender

Source: TBI Household 2023

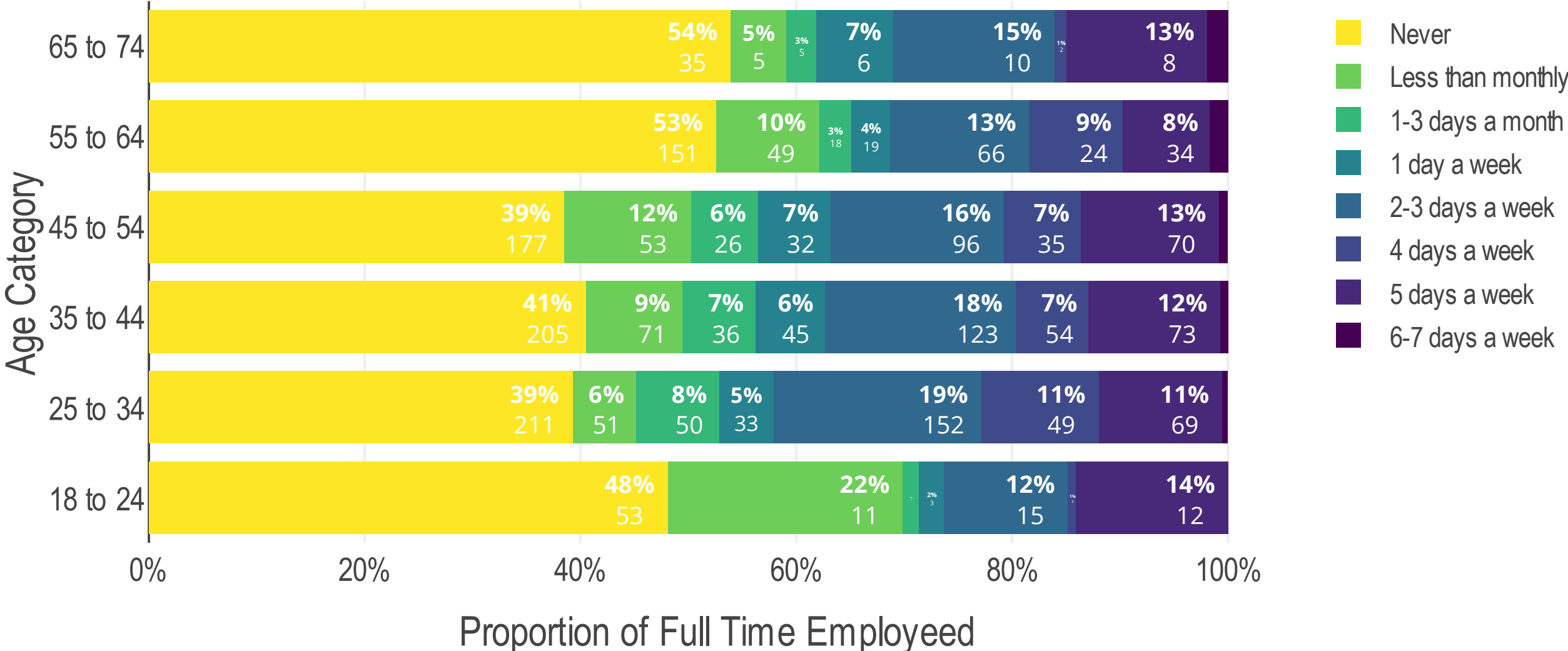


Label = Proportion of People Survey Participants

18 to 24 telework less

2023 Telework Frequency by Age

Source: TBI Household 2023

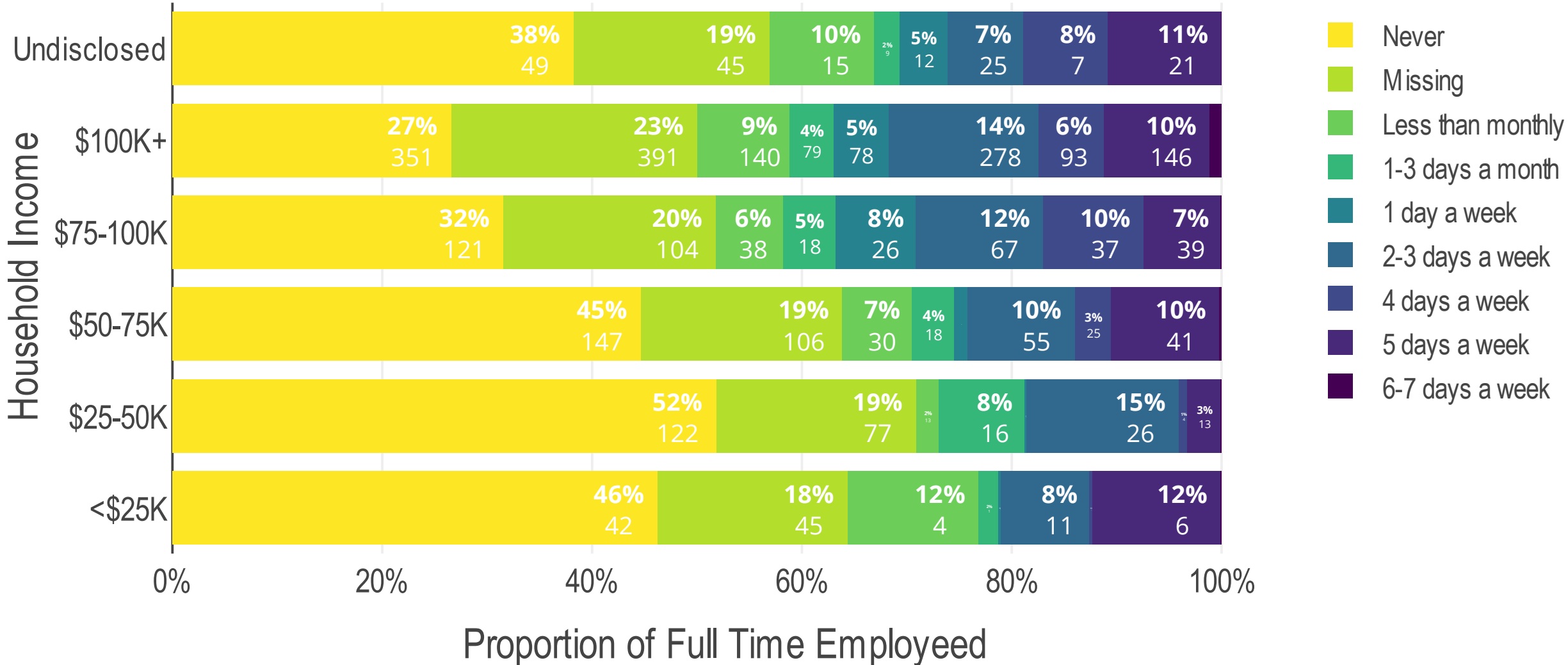


Label = Proportion of People Survey Participants

High income household telework most

2023 Telework Frequency by Income

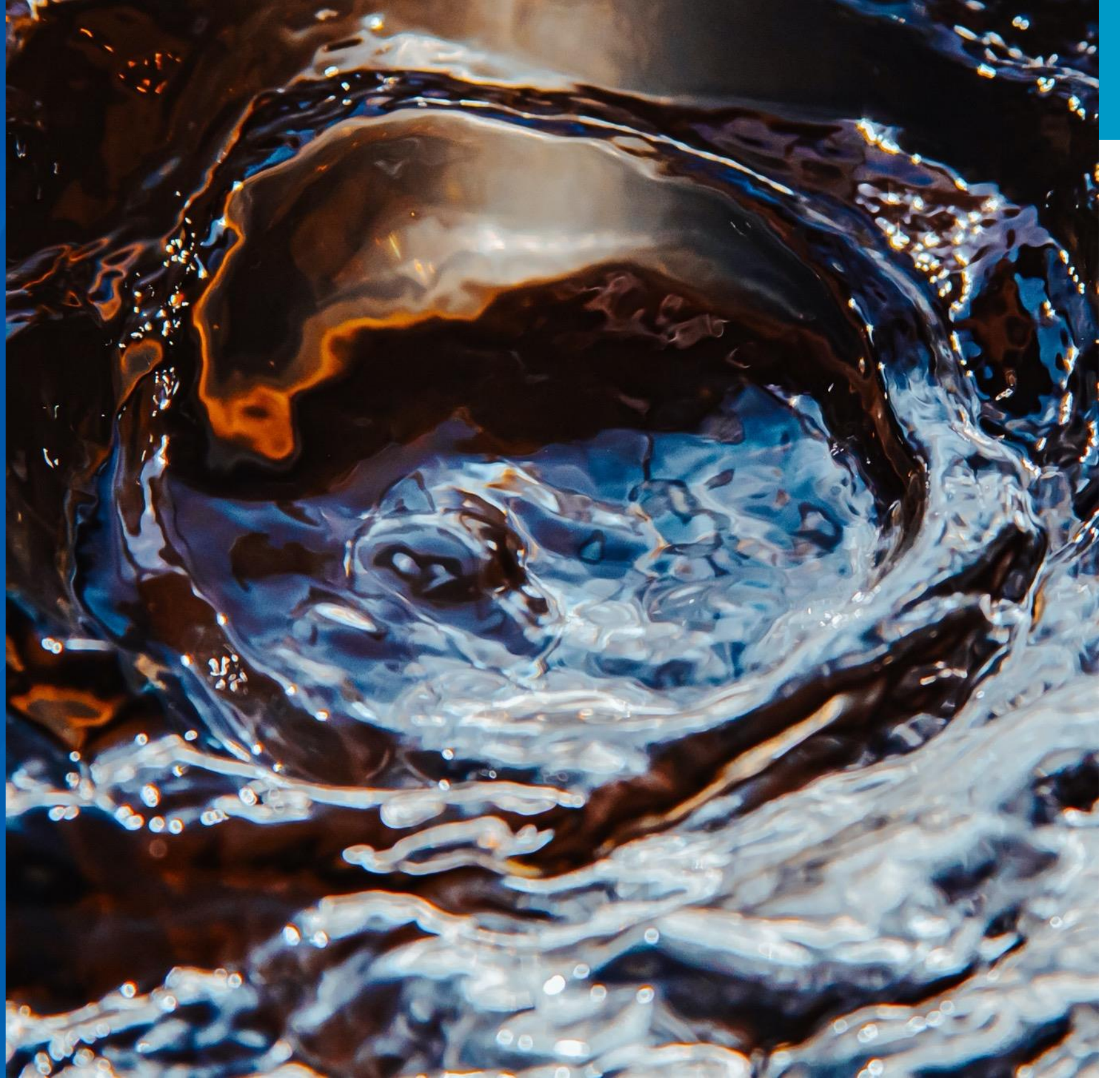
Source: TBI Household 2023



Label = Proportion of People Survey Participants

Add VMT

Appendix



Mode Categories

Personal Vehicle: Car rental, Carpool match (e.g., Waze Carpool), Carshare service (e.g., Zipcar), Electric vehicle carshare (e.g., Evie), Friend's vehicle, Household vehicle, Other car, Other hired car service (e.g., black car, limo), Other motorcycle, Other vehicle in household, Peer-to-peer car rental (e.g., Turo), Regular taxi (e.g., Yellow Cab), Work vehicle

Walk: Walk (or jog/wheelchair)

Transit: Bus rapid transit (e.g., A Line, C Line, Red Line), Intercity bus (e.g., BoltBus, Greyhound), Intercity rail (e.g., Amtrak), Light rail, Local fixed-route bus, Northstar, Express/commuter bus

Bike/Scooter: Bike-share - electric bicycle, Other rented bicycle, Other scooter or moped, Personal scooter or moped (not shared), Scooter-share (e.g., Bird, Lime), Standard bicycle (my household's), Bike-share - standard bicycle, Borrowed bicycle (e.g., a friend's), Electric bicycle (my household's), Moped-share (e.g., Scoot)

Other: Other, Other boat (e.g., kayak), Other bus, Other private shuttle/bus (e.g., Bellair Charters, Airporter Shuttle), Other rail, Paratransit/Dial-A-Ride, Skateboard or rollerblade, SouthWest Prime or MVTA Connect, University/college shuttle/bus, Vanpool, Vehicle ferry (took vehicle on board), ATV or snowmobile, Boat/ferry, Employer-provided shuttle/bus, Golf cart, Medical transportation service, Metro Mobility, Airplane/helicopter

TNC: Lyft Line, Uberpool, or other shared-ride, Uber, Lyft, or other smartphone-app ride service

