

NOACA HOUSEHOLD TRAVEL SURVEY ANALYSIS FOR MODELING & PLANNING

Safety and Operations Council

August 15, 2025

ACTION REQUESTED

No action is requested. This item is for information and discussion.

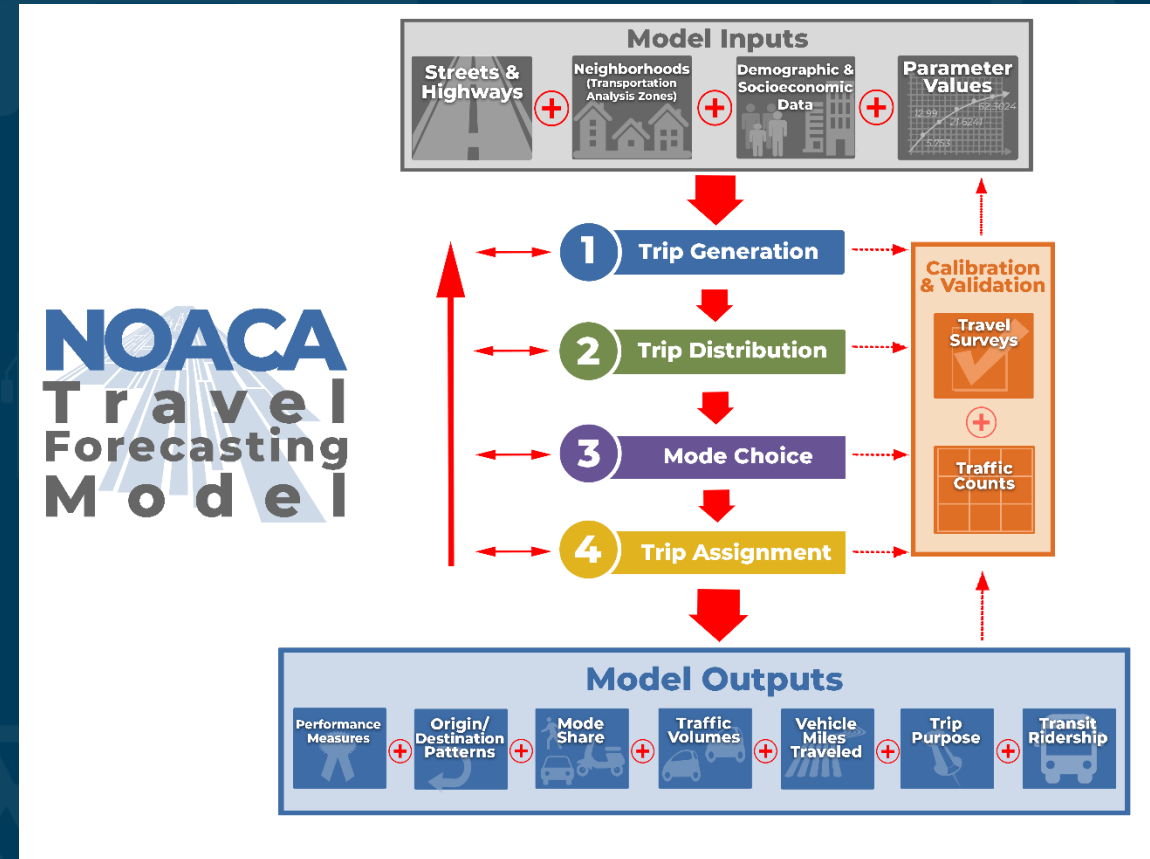
PREVIOUS ACTION

The consultant presented the survey results to the committees and the Board during the meeting held on June 13, 2025.

BACKGROUND

The analyzed Household travel survey results will be used in:

- Updating socioeconomic parameter values of the NOACA Travel Forecasting Model
- Calibrate & Validate step of the model
- Other planning activities



BACKGROUND



— 8,109



≈ 934 K

(includes portions
of Summit and
Portage Counties)

888 K

NOACA
Region



≈ 2.12 M

(includes portions
of Summit and
Portage Counties)

2.02 M

NOACA
Region

MET COUNTY GOAL DISTRIBUTIONS

(N=8,109)

County Name	Households	% of Households	Surveys	Retrieval
Cuyahoga County	555,988	62.6%	5,141	66.5%
Geauga County	35,460	4.0%	295	3.8%
Lake County	99,590	11.2%	699	9.0%
Lorain County	125,239	14.1%	955	12.3%
Medina County	71,647	8.1%	643	8.3%
Totals	887,924	100.0%	7733	100.0%

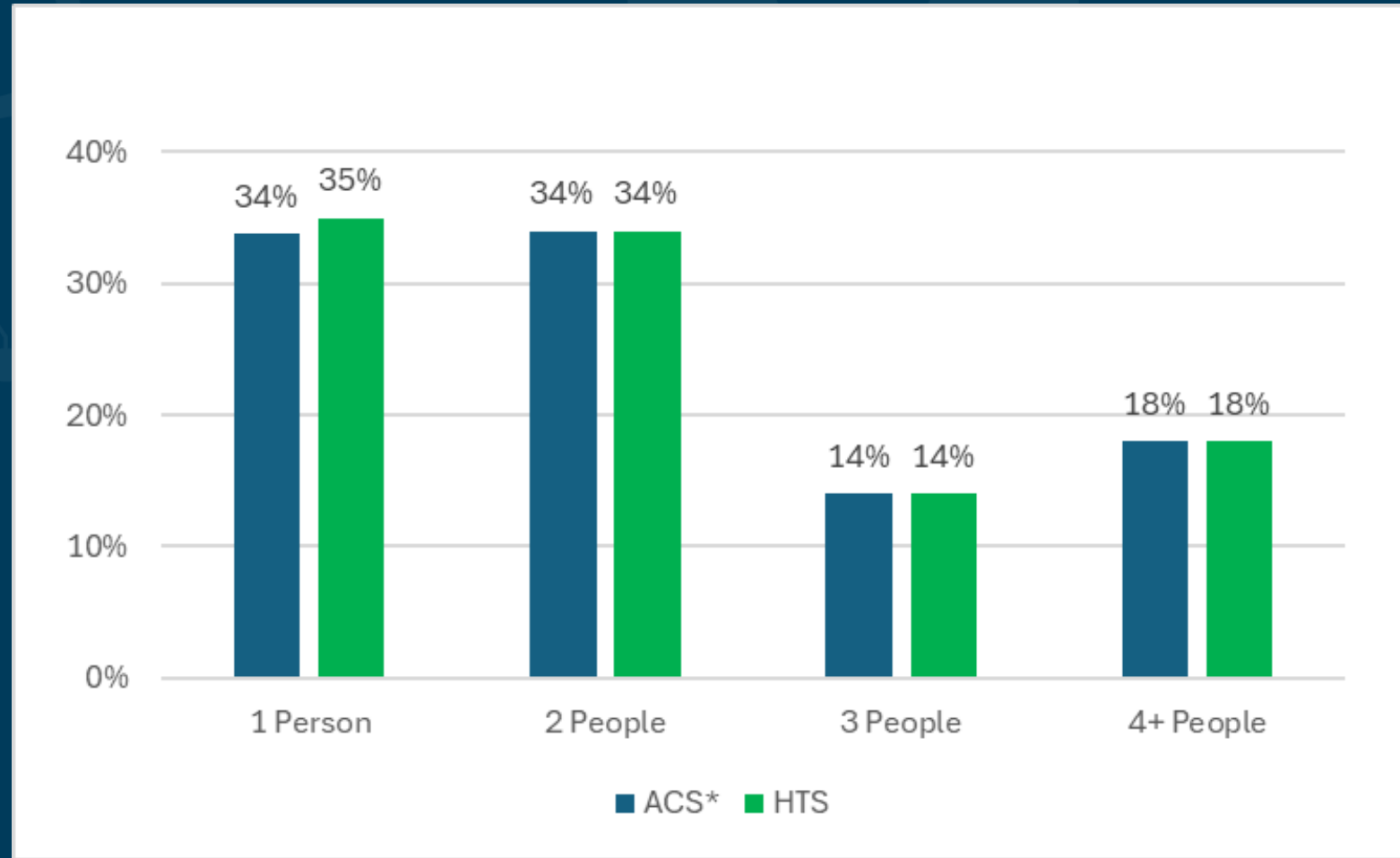


KEY DEMOGRAPHIC DISTRIBUTIONS



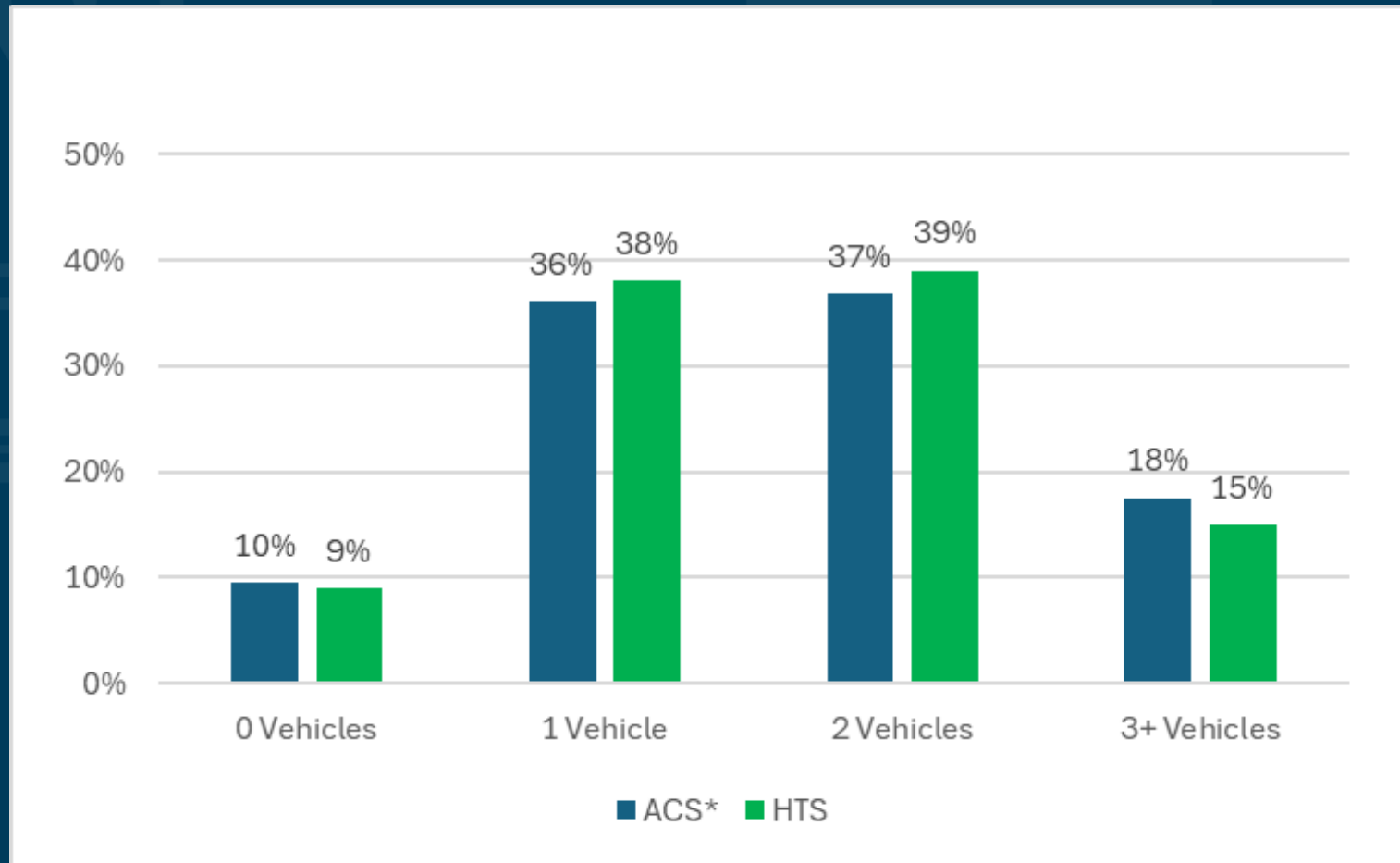
HOUSEHOLD SIZE VS. ACS DISTRIBUTIONS

- Average household size: 2.27 people



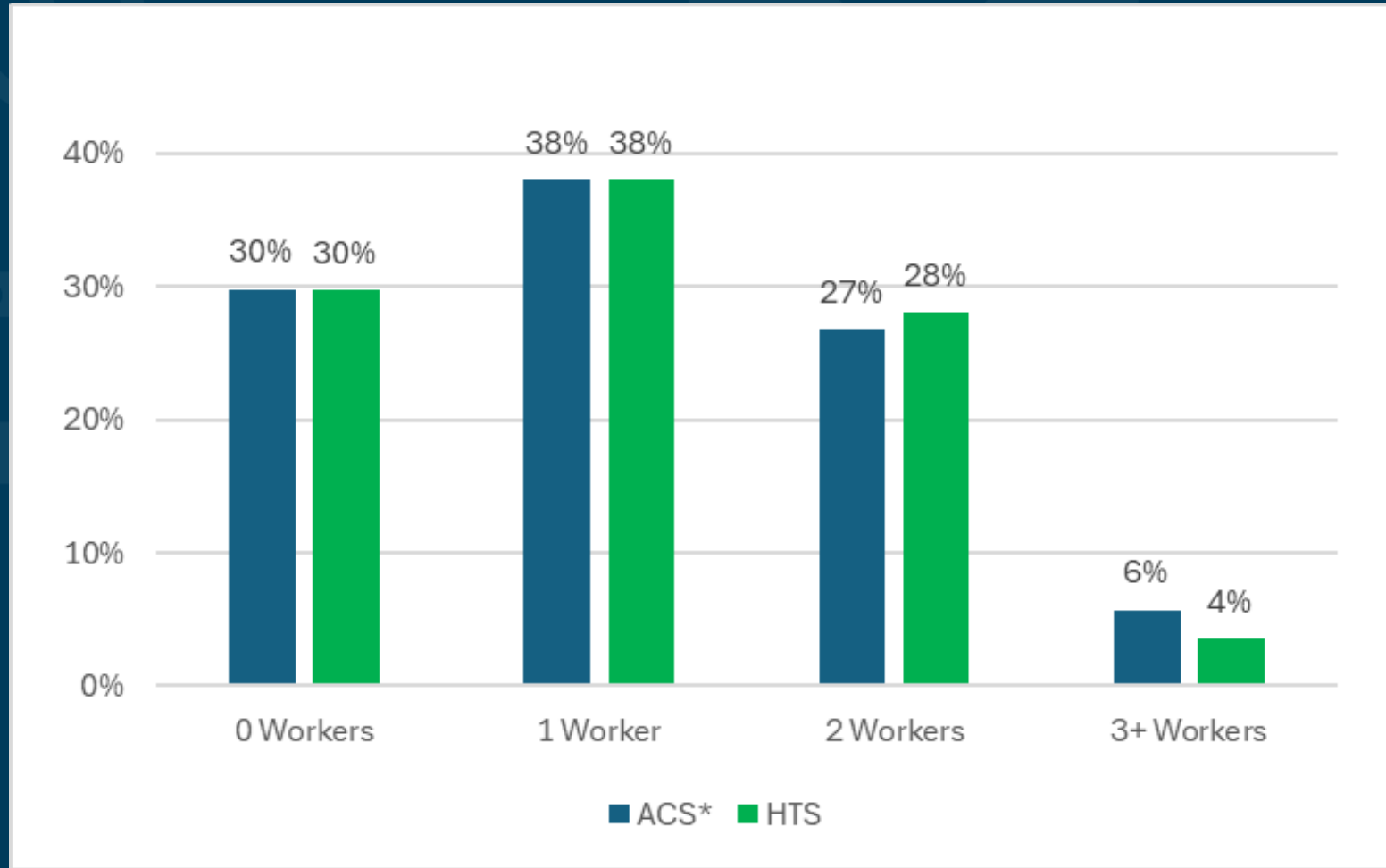
HHTS VS. ACS VEHICLE OWNERSHIP

- Average number of vehicles per household: 1.9 vehicles



NO. OF HH WORKERS VS. ACS DISTRIBUTION

- Average number of workers per household: 1.1 workers





KEY TRAVEL BEHAVIOR CHARACTERISTICS



TRIP RATES

HOUSEHOLD TRAVEL SURVEY

6.82
Trips per HH

3.19
Trips per Person

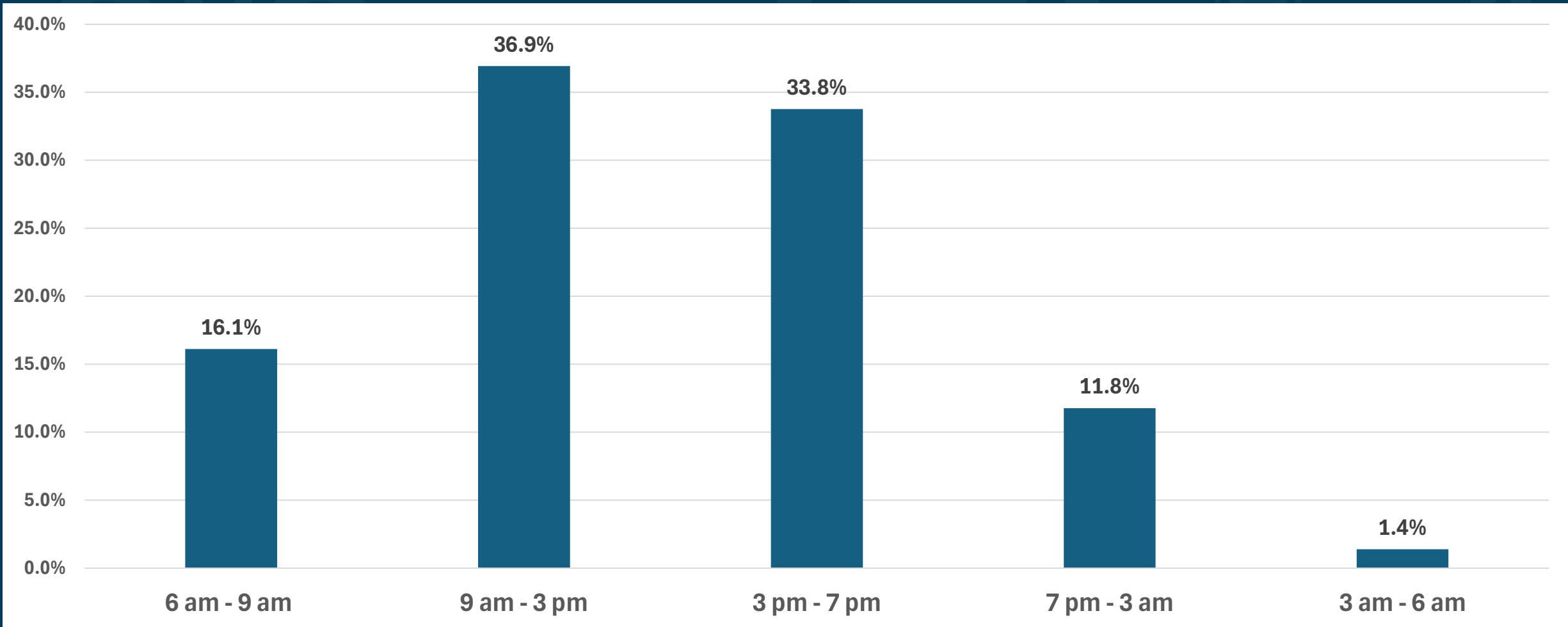


2024 NOACA TRAVEL FORECASTING MODEL

6.55
Trips per HH

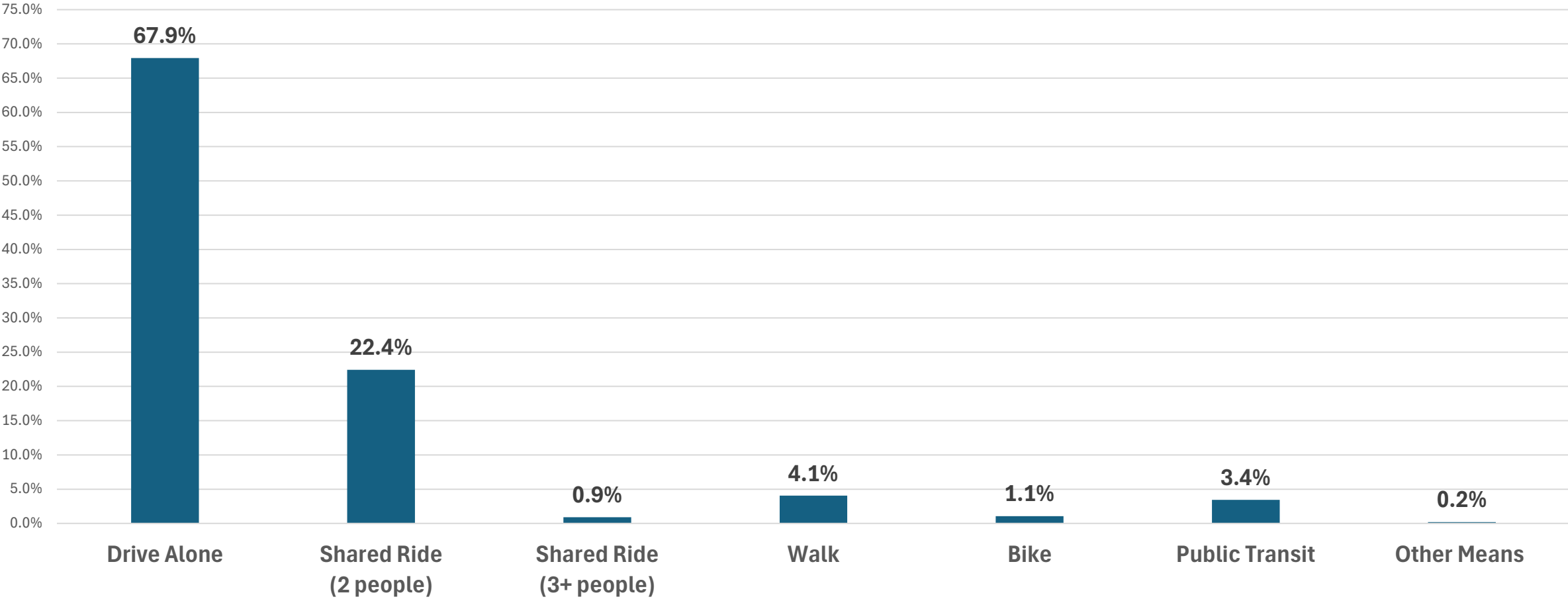
2.89
Trips per Person

DIURNAL TRIP DISTRIBUTION

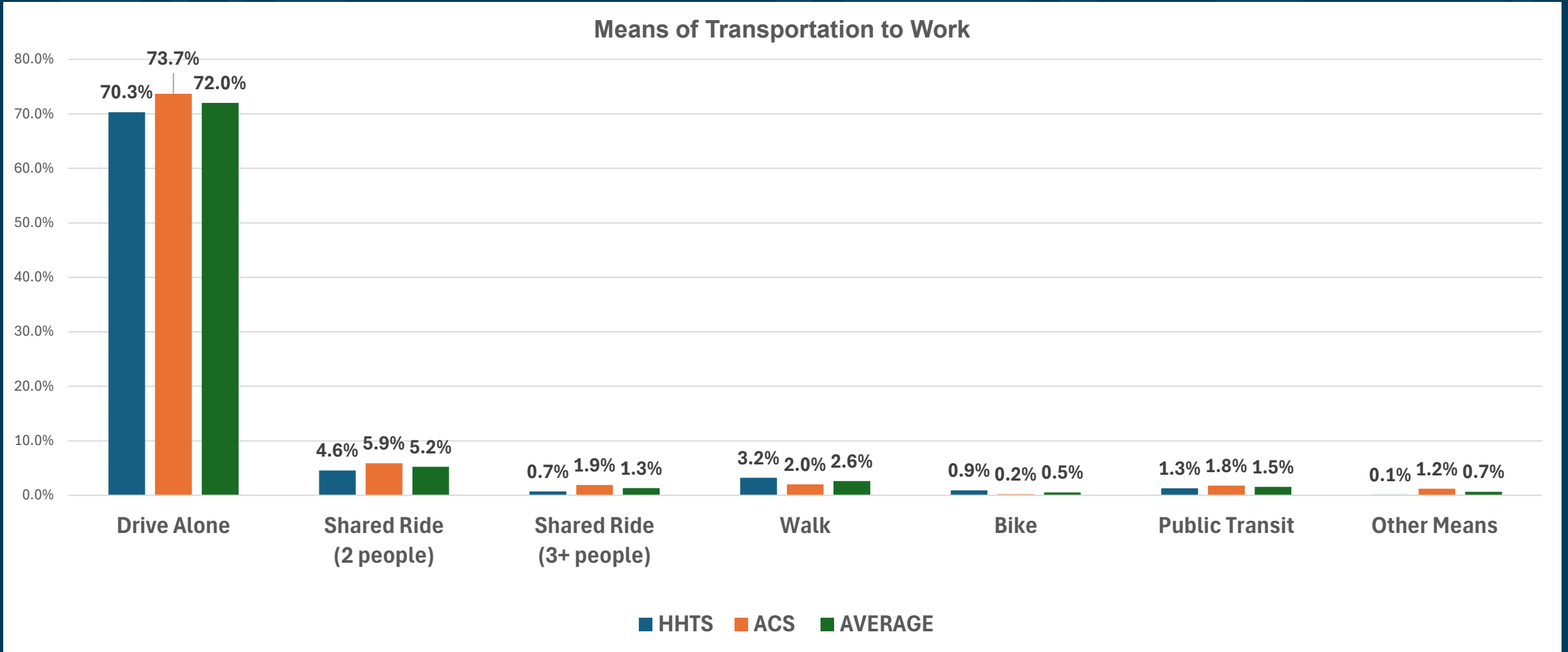


MODE CHOICE FOR DAILY TRIPS FOR ALL PURPOSES

Modes Of Transport Used For Daily Trips

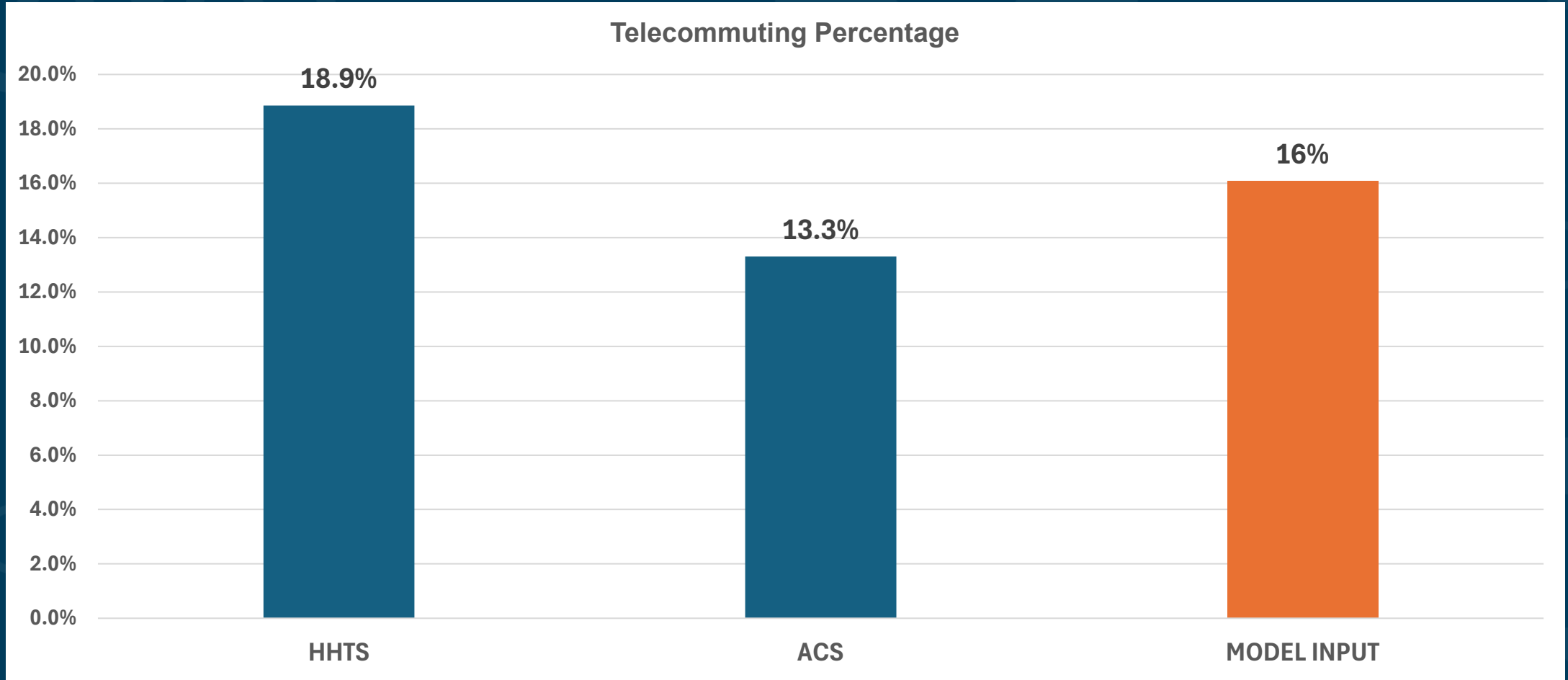


MEANS OF TRANSPORTATION TO WORK





TELECOMMUTING



HOMEBASED TRIPS

HOME



WORK



HOME



SOCIAL AND RECREATIONAL



HOME



SHOPPING



HOME

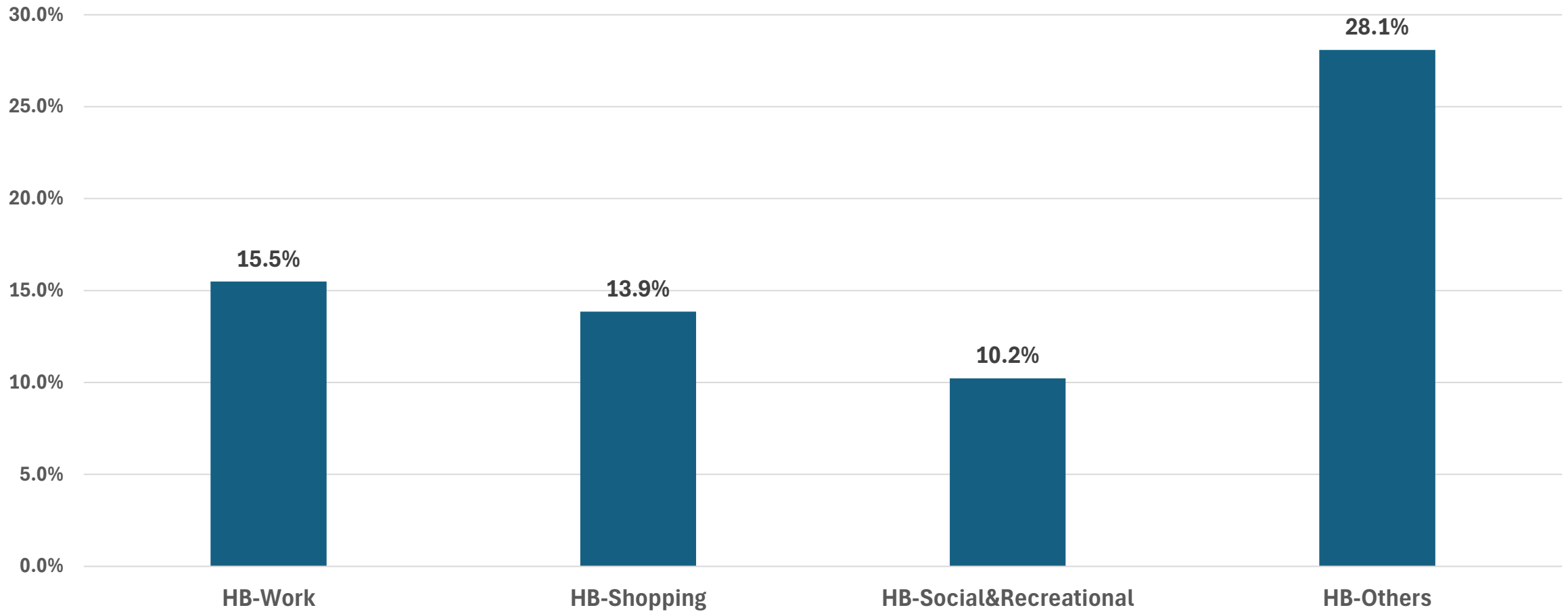


OTHERS



HOMEBASED DAILY TRIPS

Homebased Trips



NON-HOMEBASED TRIPS

WORK



WORK



WORK



WORK

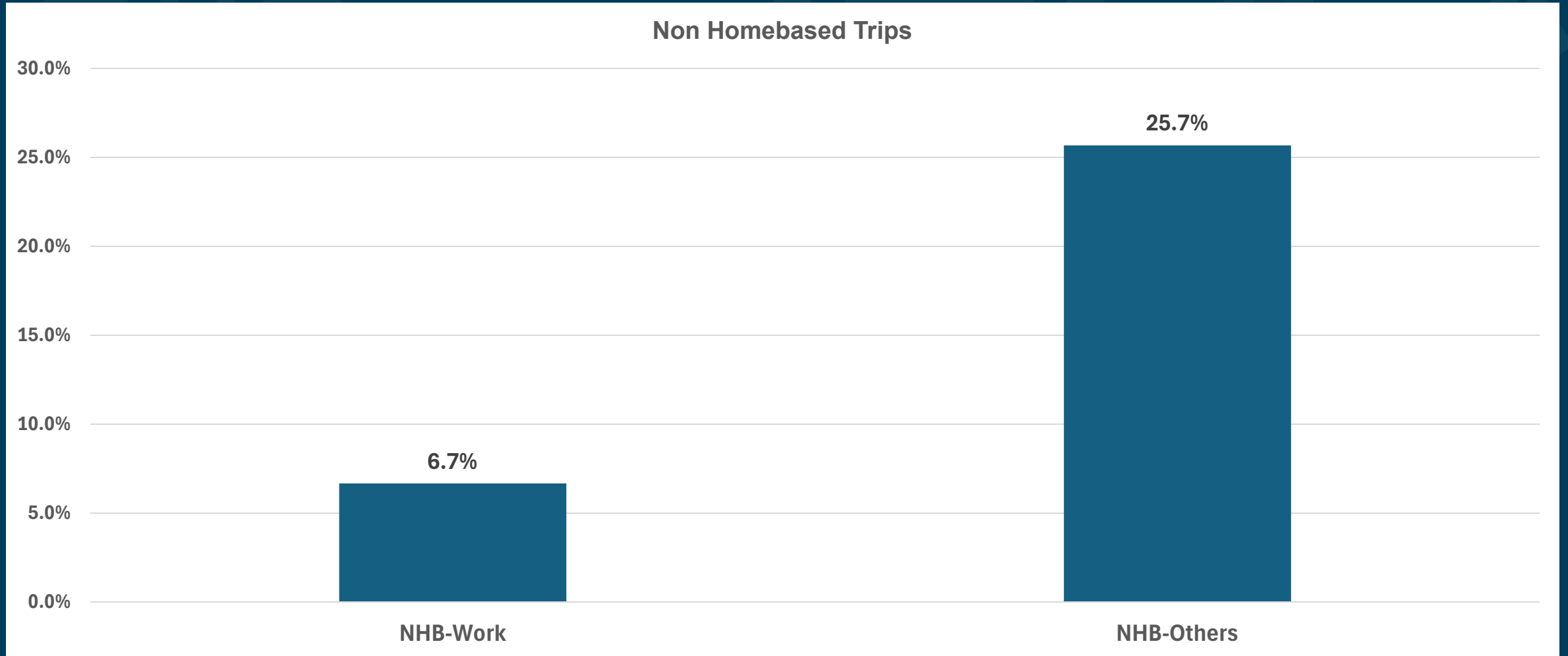
NON-HOME/WORK LOCATIONS



NON-HOME LOCATIONS



NON-HOMEBASED DAILY TRIPS



FINANCIAL IMPACTS

- HHTS was funded with STBG and OCPG funds in the amount of \$1,750,591

NEXT STEPS

- **Survey results will be used in the calibration and validation steps of the NOACA travel forecasting model and other planning activities.**



NOACA

Northeast Ohio Areawide Coordinating Agency

NOACA will **strengthen** regional cohesion, **preserve** existing infrastructure, and **build** a sustainable multimodal transportation system to **support** economic development and **enhance** quality of life in Northeast Ohio.