Stalled on the road to adulthood?

Holistically measuring travel changes for young adults in America, 1995-2009

AIM

I use travel types to holistically characterize the travel patterns of young adults (age 16-36) so policymakers can better understand how travel patterns changed over time.

QUESTIONS AND DATA

REASEARCH QUESTIONS

What is travel like in each type?

How prevalent is each type?

Change over time?

DATA NEEDS

Long-term behavior for day-to-day variation

Broad coverage and representative sample

Repeated survey

DATA USED

National travel survey in 2009 (n=27,384)

To analyze change over time: 1995 (n=18,779) & 2001 (n=22,339)

METHOD

LATENT PROFILE ANALYSIS

Using seven variables: three from the survey day and four on longer-term travel patterns Number of trips

Miles of travel Share of miles by automobile Licensed driver (y/n) Annual miles driven

Ratio of automobiles to adults in household Frequency of public transit use in past month

THE FIVE TRAVEL TYPES



Car-less

Multimodals

Urbanistas

Drivers

Trekkers

TRAVEL PATTERNS IN 2009

Mobility

50

100 150 200 250

Median miles per day

Urbanistas

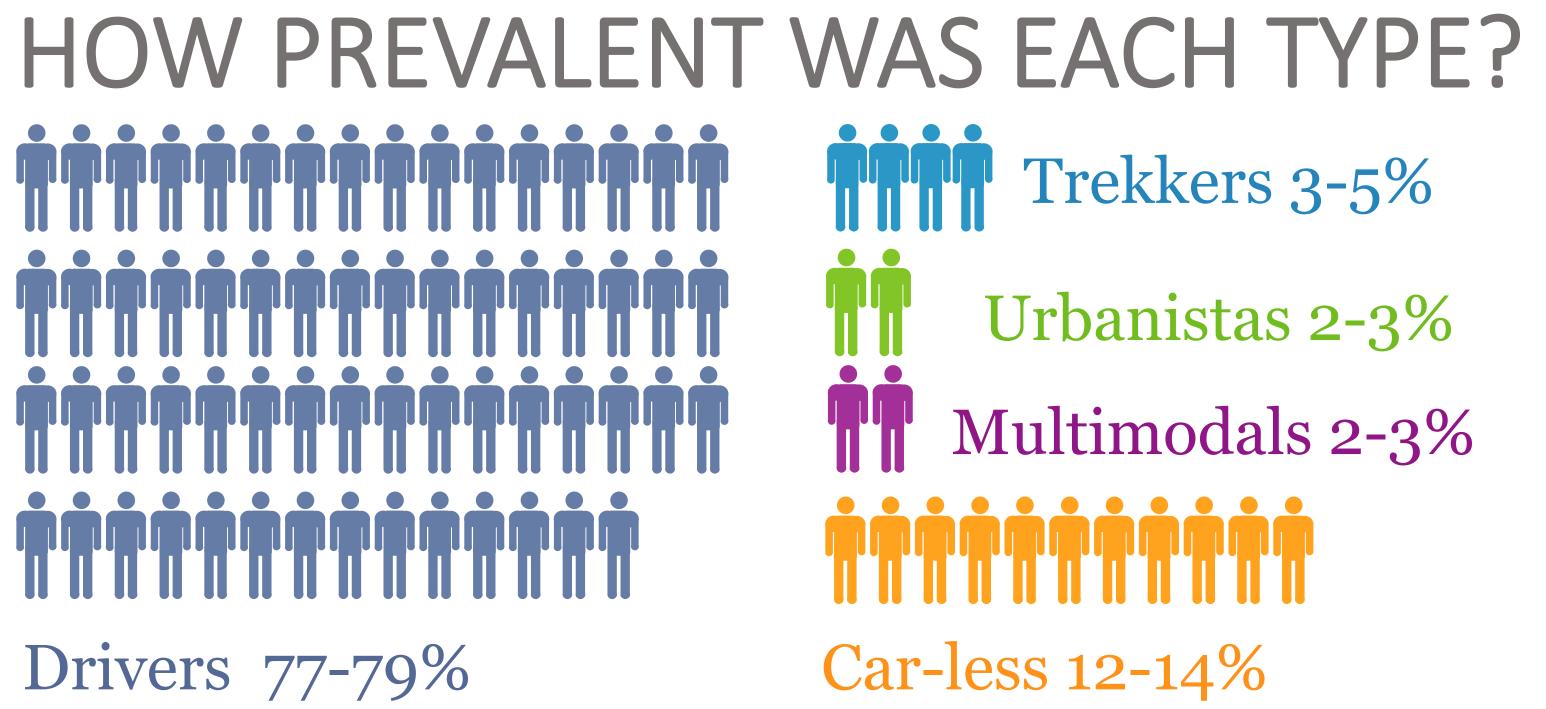
Multimodals

Trip-making

Median trips per day

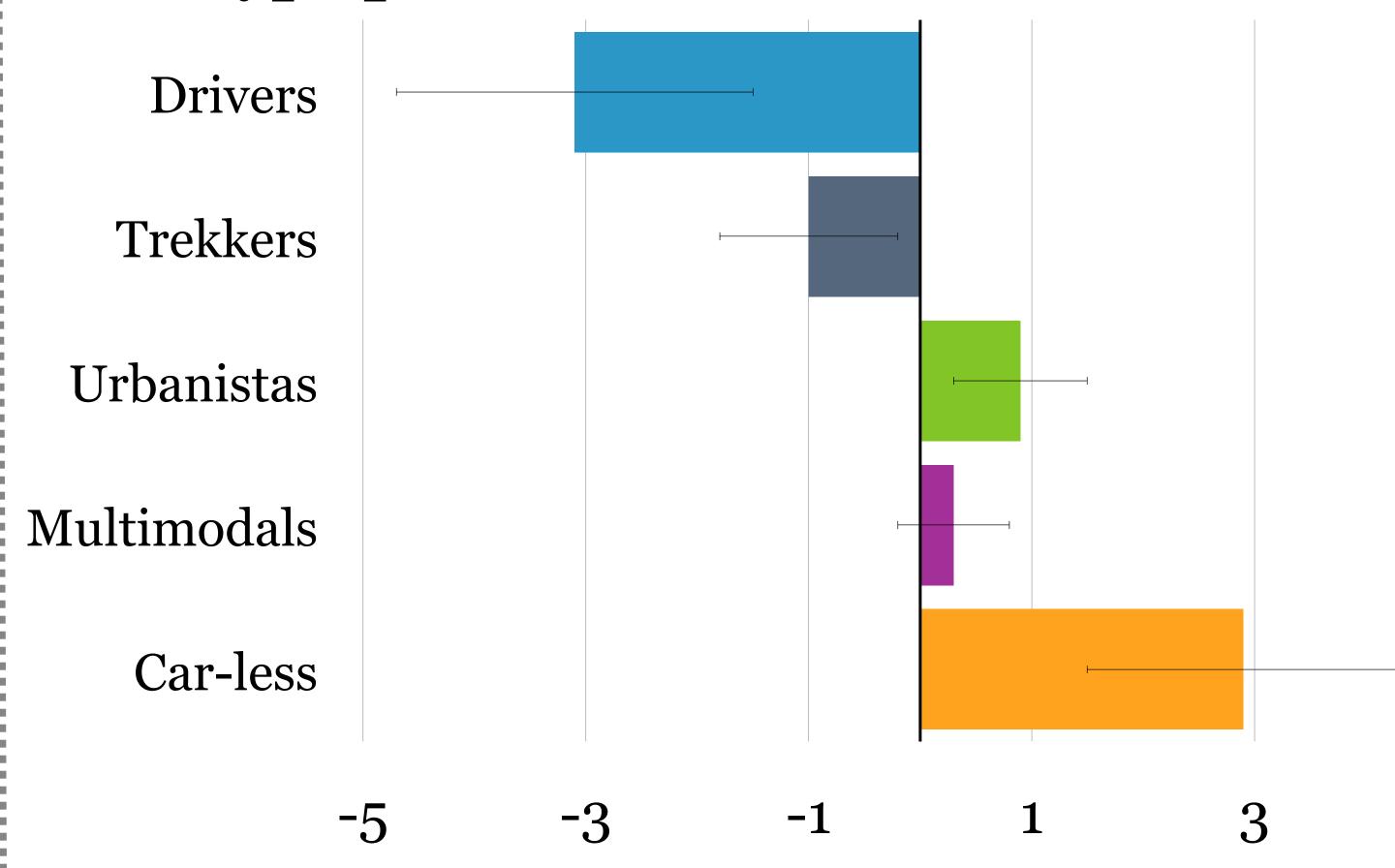


Drivers 77-79%



FEWER DRIVERS, MORE CAR-LESS

Percentage point change in travel type prevalence from 1995 to 2009



Automobility

Car-less

Multimodals

Urbanistas

Drivers

Trekkers

	Less				More
Share of miles by auto on the survey day (25th and 50th percentile)	Car-less 0%	Multi- modals 38-50%	Urbanistas 70-83%	Drivers 100%	Trekkers 100%
Annual miles driven (Median and 25 th and 50 th percentile)	Car-less 0 (0-1,600)	Multi- Modals 5 (0-5,000)	Urbanistas 4,000 (10,000-12,000)	Drivers 10,000 (2,500-15,000)	Trekkers 12,000 (4,000-25,000)
Share that are licensed to drive (25 th and 50 th percentile)	Car-less 42-51%	Multi- Modals 51-70%	Urbanistas 79-88%	Drivers 89-91%	Trekkers 89-96%
Share with one or more vehicles per adult (25th and 50th percentile)	Car-less 28-36%	Multi- Modals 45-63%	Urbanistas 58-76%	Drivers 75-78%	Trekkers 74-86%

Note: Black bars reflect the 25th and 75th percentile values

FEWER MILES, FEWER TRIPS

Percentage point change in mobility and trip making from 1995 to 2009

