

TRAVEL MODE CHOICE DURING AND AFTER THE PANDEMIC

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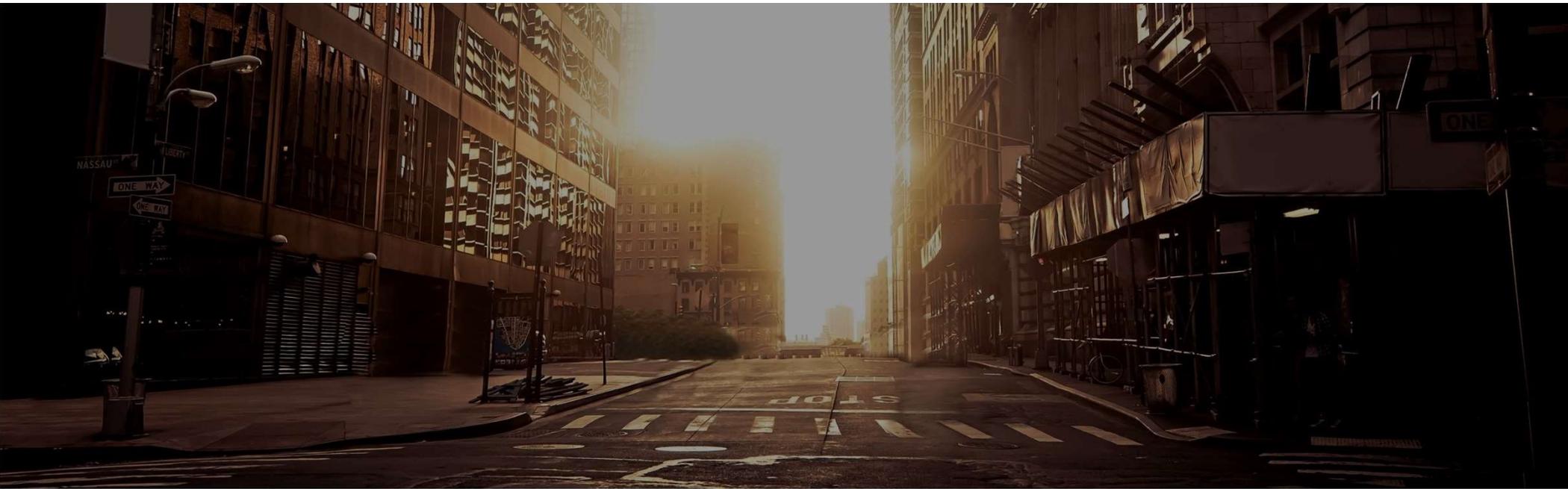
PROJECT OUTLINE

TRAVEL MODE CHOICE DURING
THE PANDEMIC

TRAVEL MODE CHOICE AFTER
THE PANDEMIC

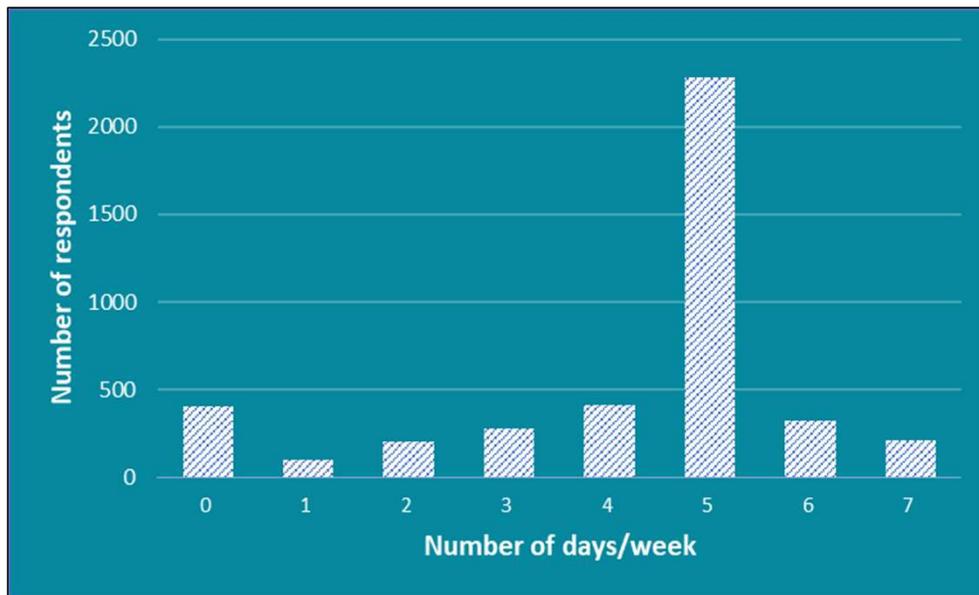


Source: <https://thenewswheel.com/why-you-shouldnt-hang-a-mask-on-your-rearview-mirror/>

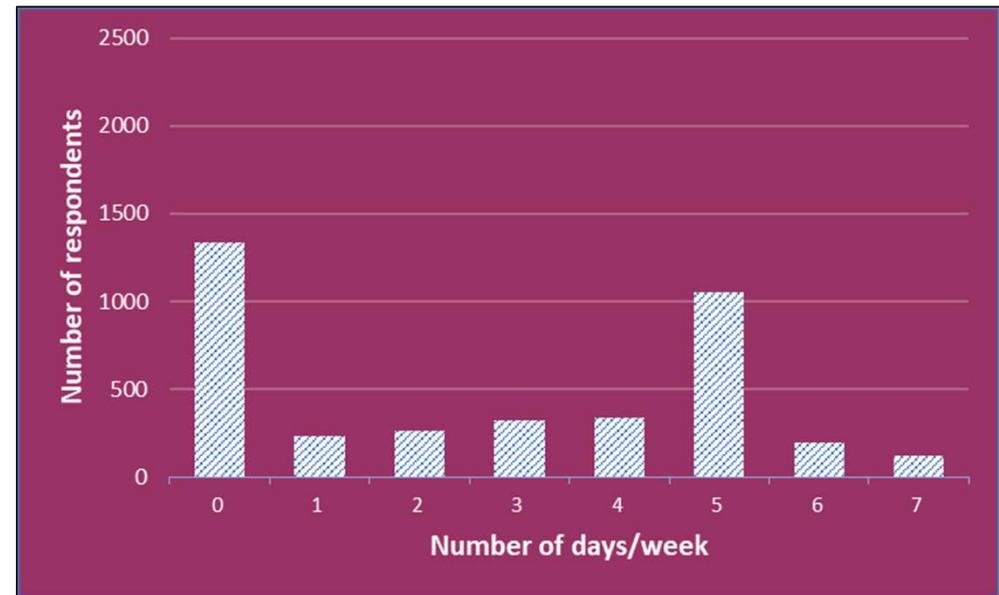


I. TRAVEL MODE CHOICE DURING THE PANDEMIC

How commute frequency has changed?



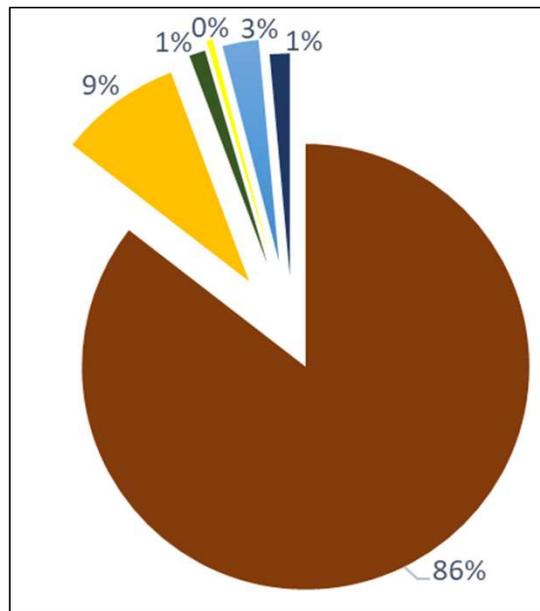
BEFORE THE PANDEMIC
(N = 5479)



DURING THE PANDEMIC
(N = 4966)

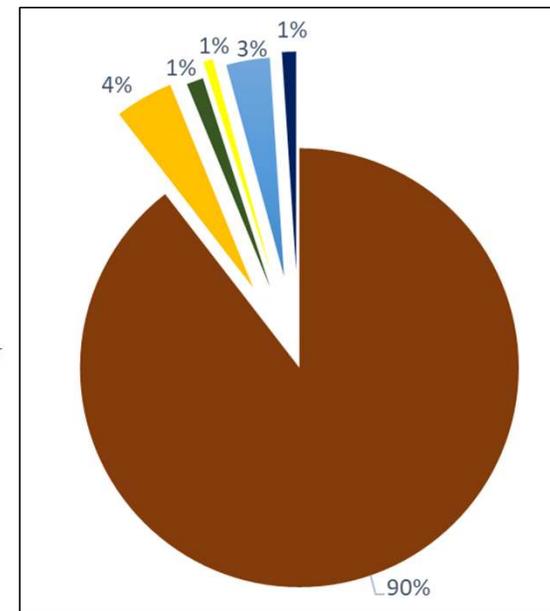
People are commuting **less frequently** during the pandemic.

Has mode choice to commute changed?



BEFORE THE PANDEMIC
(N = 4013)

■ Private vehicle
■ Personal bicycle/scooter
■ Walk
■ Transit
■ Shared bicycle/scooter
■ Other modes



DURING THE PANDEMIC
(N = 2405)

People are using **less transit** but **more private vehicles and shared bicycle/scooter** to commute during the pandemic.

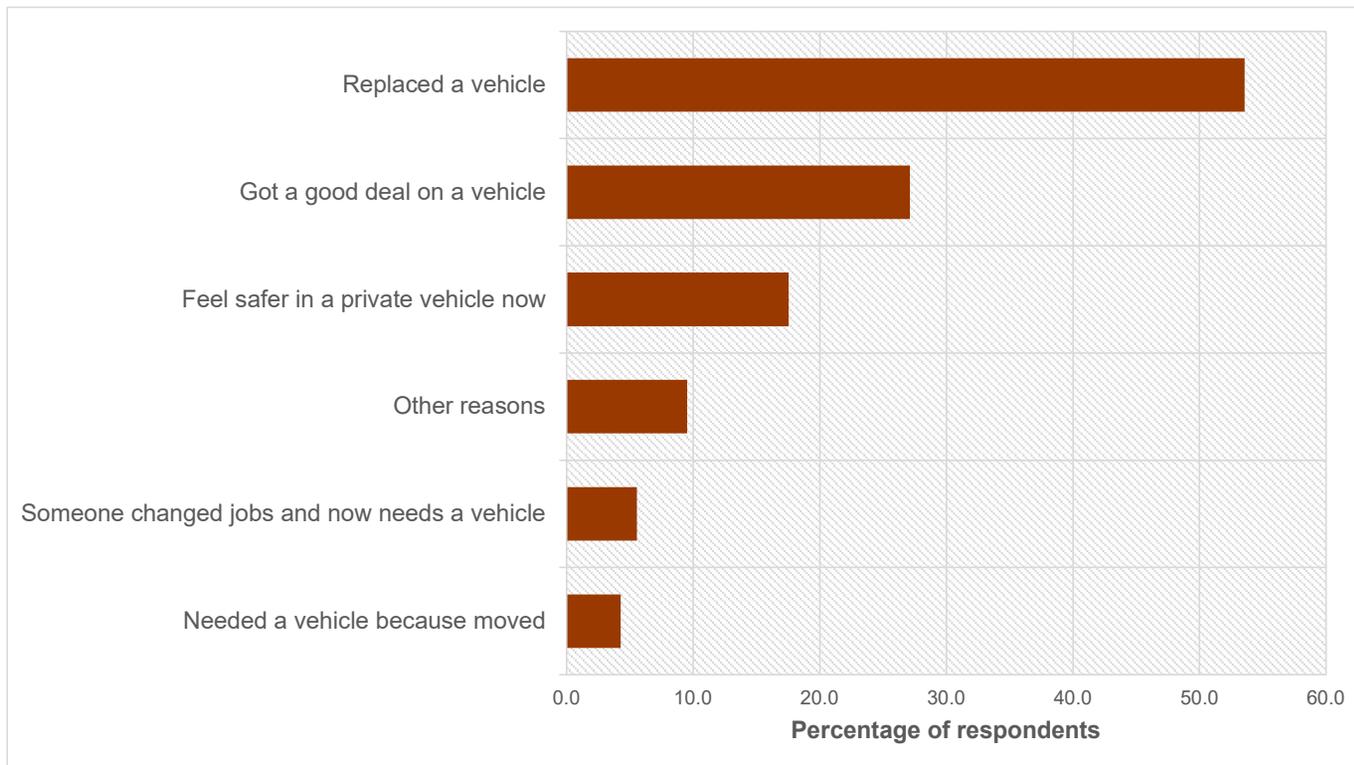
Has vehicle ownership changed?

15.27% people have reported that a vehicle has been purchased in their household (N=7596).

5.62% People have reported that a vehicle has been sold or donated in their household (N=8113).

3.70% People have reported both (N=7595).

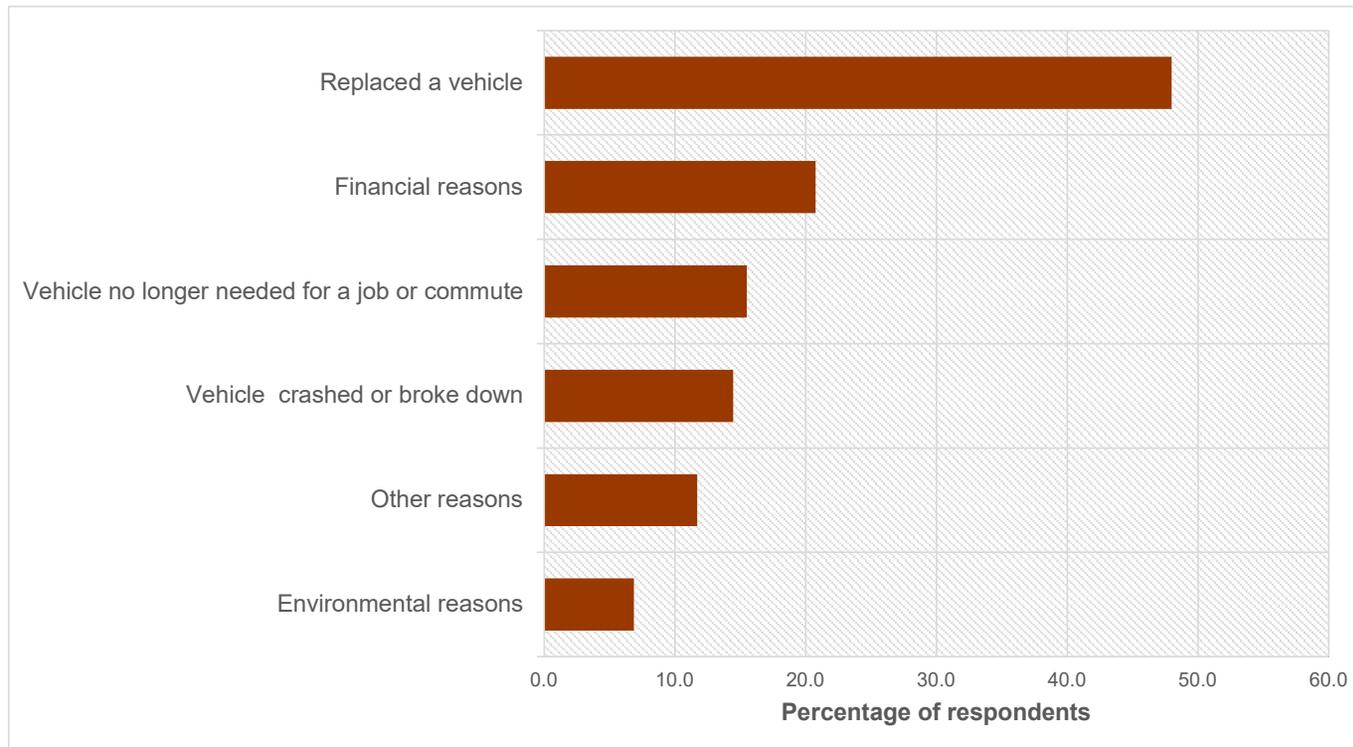
Why people purchased a vehicle?



N=930

Most people purchased a vehicle because they wanted to **replace** their vehicle.

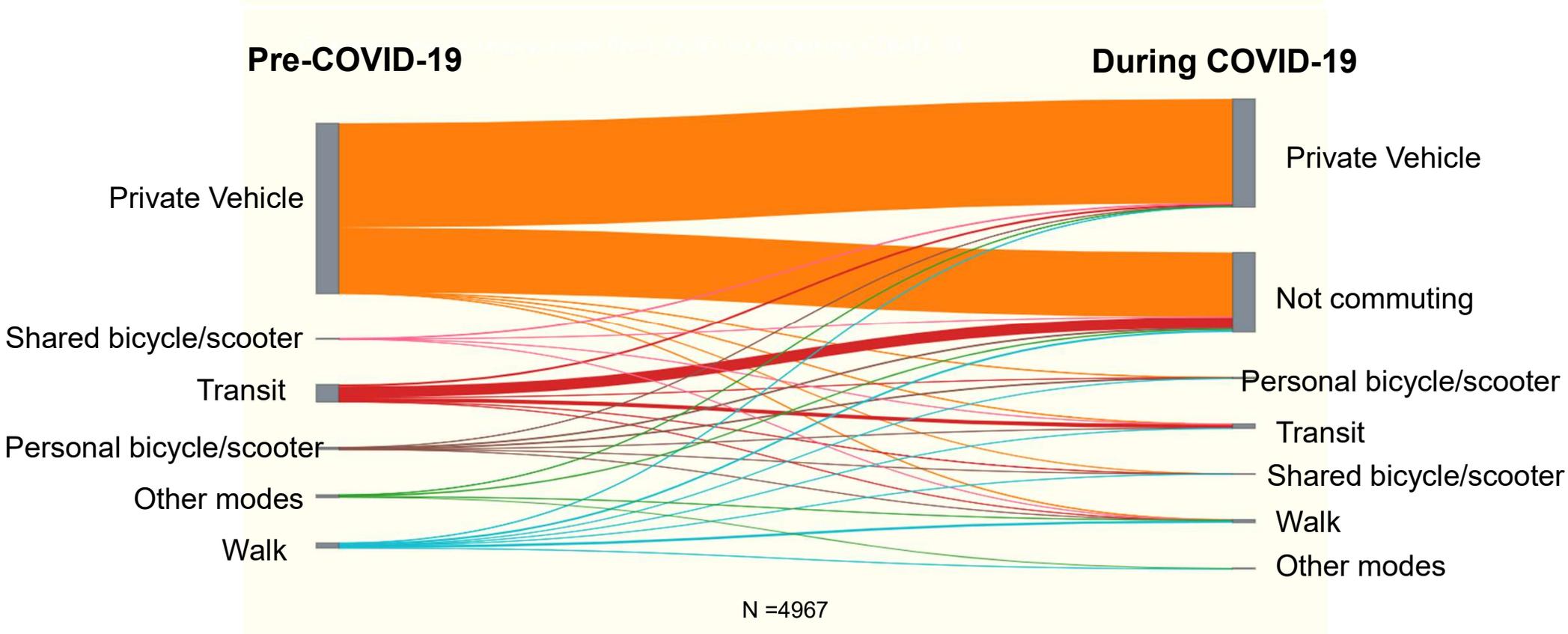
Why people sold or donated a vehicle?



Most people sold/donated their vehicle because they wanted to replace their vehicle. **Financial issues** and **no commute** were top reasons.

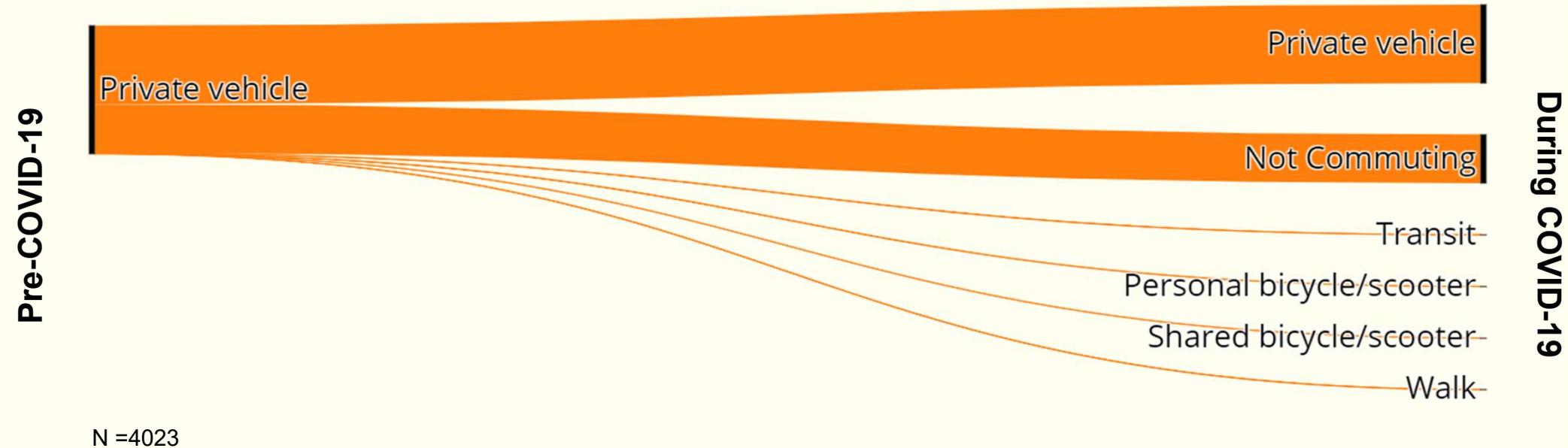
Are people switching travel modes to commute?

Change in mode choice from Pre-COVID-19 to During COVID-19



Are private vehicle users switching to other travel modes?

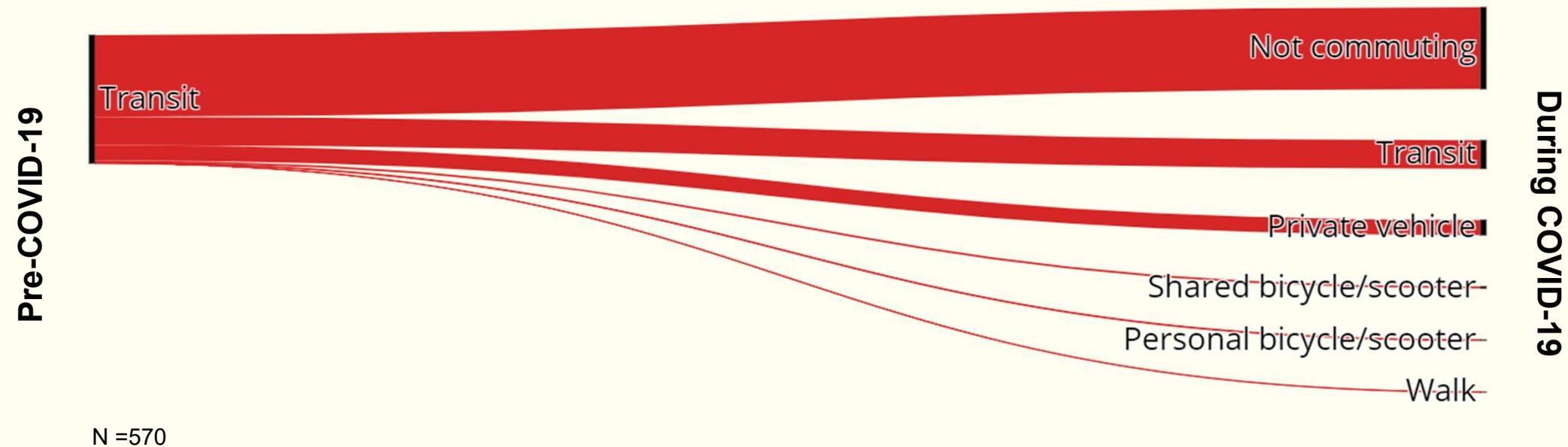
Change in mode choice from Pre-COVID-19 to During COVID-19



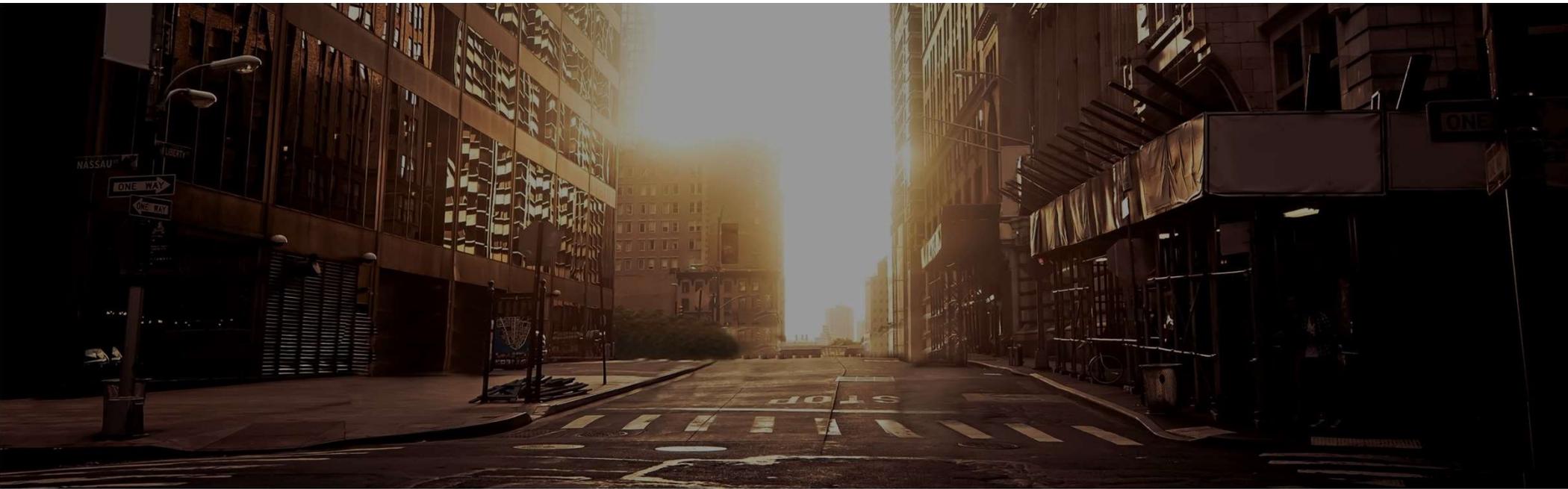
Majority private vehicle users have **continued** using the same mode.

Are transit riders switching to other travel modes?

Change in mode choice from Pre-COVID-19 to During COVID-19

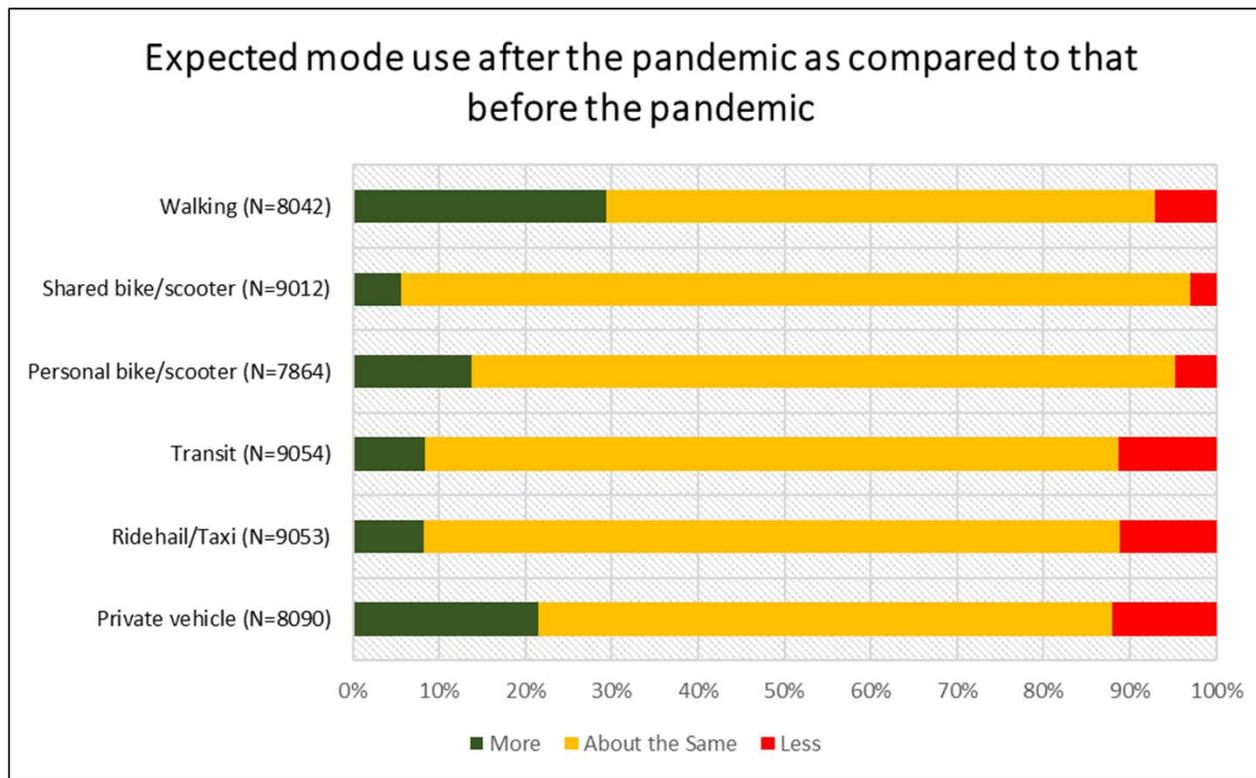


A significant portion of transit riders has **switched** to using private vehicles.



II. TRAVEL MODE CHOICE AFTER THE PANDEMIC

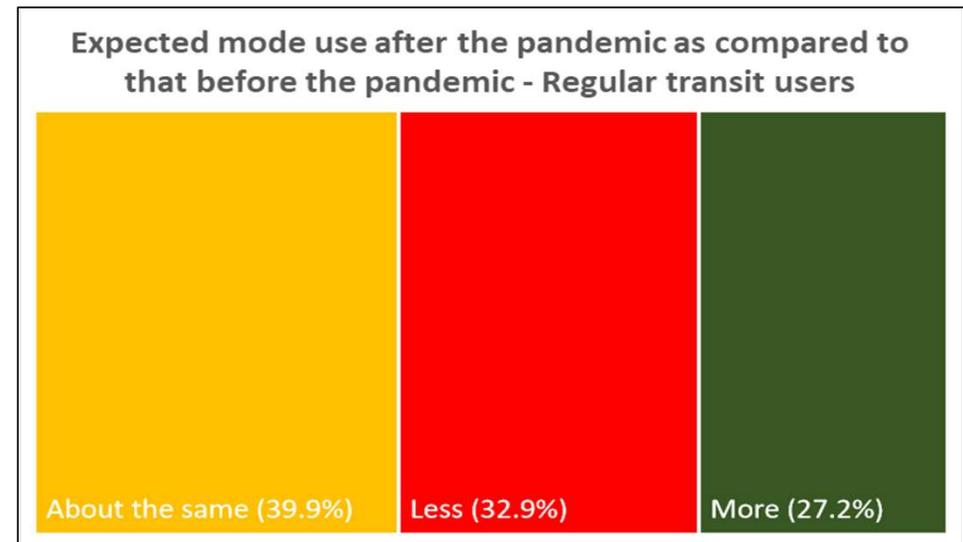
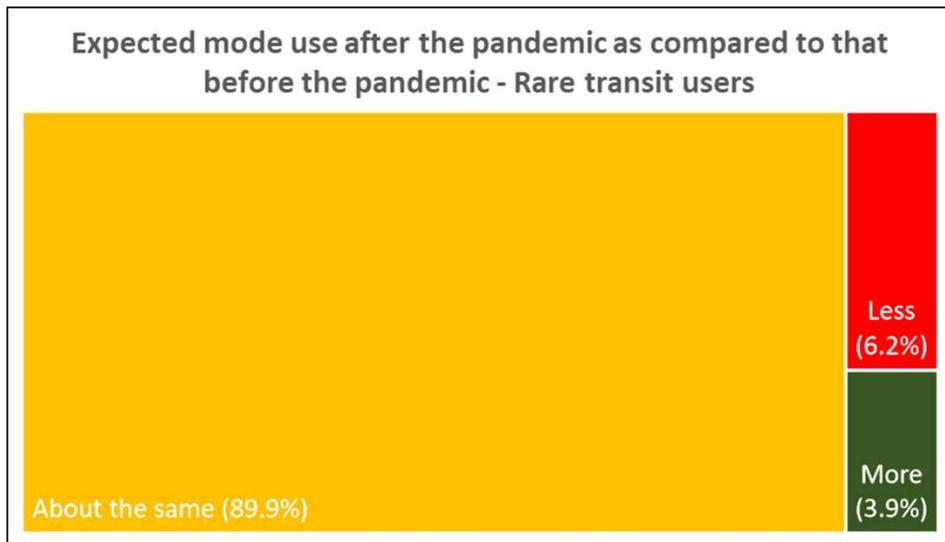
How pre-COVID19 mode usage compare to post-COVID19?



About 30% people would choose to walk more.

More than 20% people expect to drive more.

How rare transit passengers compare to regular transit passengers?



N=9020

Regular transit users are those who were riding in transit at least a few times in a month before COVID-19. Rare transit users took transit less frequently than that.

Both types of passengers have reported that they will use transit less frequently.

Key Takeaways

Weekly commuting frequency has significantly reduced during the pandemic.

Fewer people are choosing to use transit during the pandemic – transit ridership might not return to ‘normal’ even after the pandemic.

The mode share of private vehicles have increased slightly during the pandemic – it might continue to have a bigger share after the pandemic as compared to that before.

Learn More At

covidfuture.org

Thank you!

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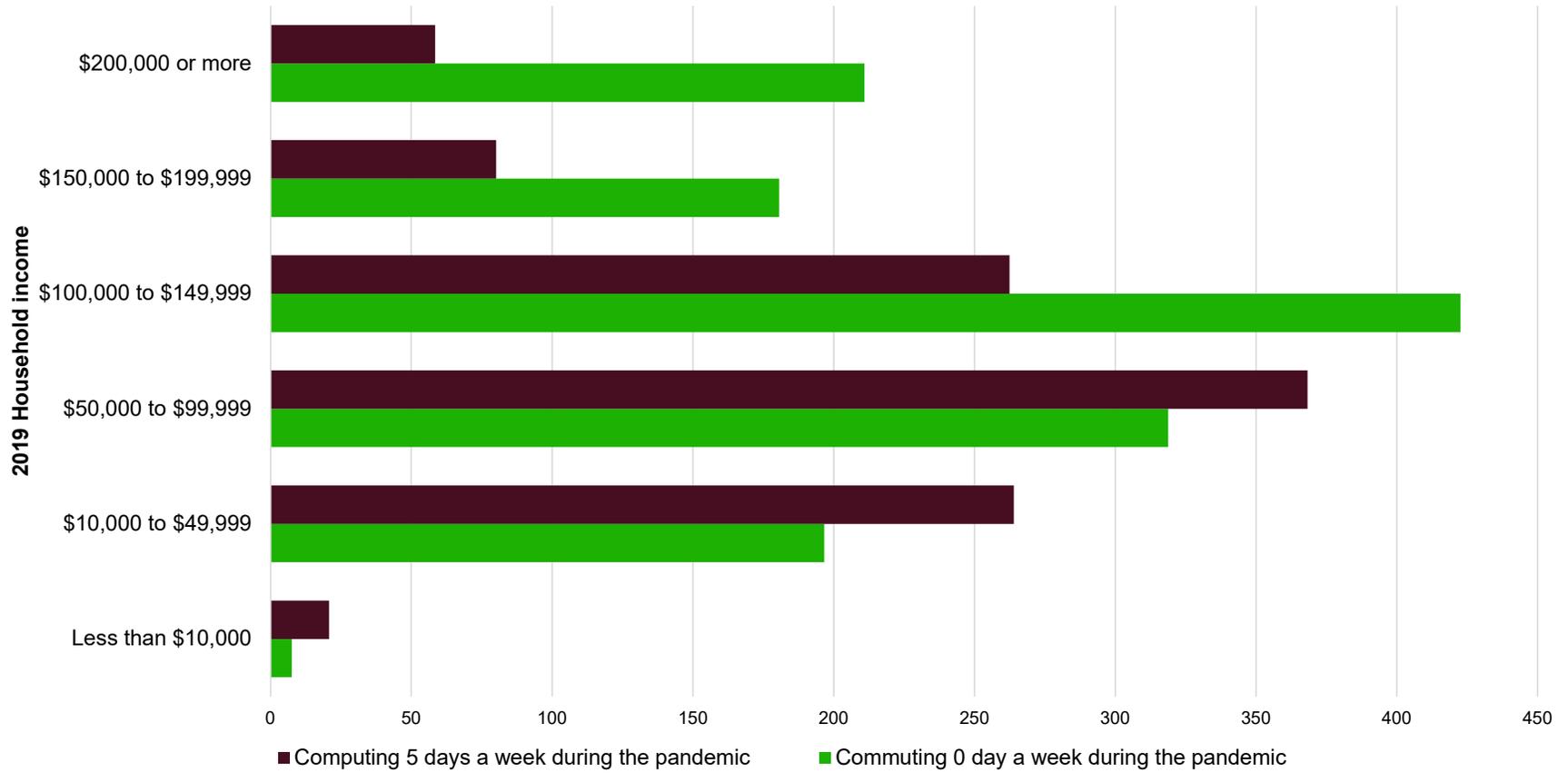
Dr. Sybil Derrible

Acknowledgments

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Commute frequency and 2019 household income



Commute frequency and education

