

Results Research

Ridesharing, Ride-Hailing, and Transit Ridership

A National Study Using the 2017 National Household Travel Study

WHAT WAS THE NEED?

With data on the effects of ride-hailing on travel behavior lacking and ride-hailing companies protective of trip data, there has been little research on how ridesharing impacts transit and travel behavior. However, by using the 2017 National Household Travel Survey (NHTS), this study examined the relationship between ridehailing and individual transit travel, particularly rail transit.

WHAT WAS OUR GOAL?

The goal of this research was to provide more behavioral insights than have previously been possible from aggregate data, and to expand our understanding of whether and in what circumstances ride-hailing substitutes for or complements transit.

WHAT DID WE DO?

The research involved six tasks:

- 1. Literature Review
- 2. Analysis of NHTS data
- 3. Explore additional State add on samples
- 4. Draft Report
- 5. Compliance with Data Management Plan
- 6. Final Report and Research Brief.



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Project Title:

Ridesharing, Ride-Hailing, and Transit Ridership)

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WHAT WAS THE OUTCOME?

Results suggested people who use ridehailing more frequently also used transit more frequently, and vice versa. Also, usage of both transit and of ridehailing is far greater among people who live within half a mile of frequent rail service than among those living further from stations. The results also suggested the association between ridehailing and transit use could be the outcome of individual preferences and lifestyles that lead people to choose both modes, rather than the modes themselves being complementary travel options.

WHAT IS THE BENEFIT?

- 1. This study will help city planners and transportation planners gain insight on how ride-hailing is related to transit travel.
- 2. With this information, these parties may make better long-range decisions about transportation infrastructure.
- 3. By examining the question of whether ridehailing substitutes for or complements rail transit, transit agencies can better plan for both routes and potentially gain insights into how best to promote complements and synergies between ride-hailing and transit.

LEARN MORE

For more information, see the final report. https://metrans.org/research/ridesharing-ride-hailing-and-transit-ridership-a-national-study-using-the-2017-national-household

IMAGES



Image 1: Rideshare connections to rail