

UTC Project Information	
Project Title	MPC-677 – Understanding Paratransit: Examining Time Inefficiencies and the Efficacy of Alternative Modes for Persons with Disability
University	University of Colorado Denver
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Funding Source(s) and Amounts Provided (by each agency or organization)	<p>USDOT, Office of the Assistant Secretary for Research and Technology \$100,000</p> <p>University of Colorado Denver \$100,000</p>
Total Project Cost	\$200,000
Agency ID or Contract Number	69A3551747108
Start and End Dates	November 12, 2021 to July 1, 2024
Brief Description of Research Project	<p>We used a unique database of paratransit demand in the Denver Region from primary data provided to us by the transit agency for the Denver Metro Area (Regional Transportation District or RTD). This database had information on origins and destinations for trips over 2.5 years (2019/01 – 2021/06). Further, weather and land use data were appended to this dataset. Given the gaps in knowledge about paratransit (in)efficiency, we estimated trip travel time differences between paratransit and comparable auto travel (counterfactual). This work included a form of payment analysis where we examined differences between patrons benefiting from deep subsidies versus customers</p>

	<p>paying out of pocket. We also queried transit agencies and other non-profit stakeholders about challenges and barriers for effective paratransit supply.</p>
<p>Describe Implementation of Research Outcomes (or why not implemented)</p> <p>Place Any Photos Here</p>	<p>We compared paratransit travel time, from actual trip runs in the Denver region, with counterfactual trips using automobile. We also showed how socio-demographic groups, particularly males versus females, experienced different travel time inefficiency on paratransit. Our work has additionally established a baseline understanding of the challenges about paratransit supply within local government, transit agencies, and non-profit groups.</p>
<p>Impacts/Benefits of Implementation (actual, not anticipated)</p>	<p>This research has become important in practitioner and scholarly communities for paratransit policy. Agency-side policy has not been the focus of researchers, who have largely investigated technology-enabled solutions to increase efficiency for travel modes of those with disabilities. Our research examines other avenues, so far unexplored, to increase time efficient travel for people with disabilities.</p>
<p>Web Links</p> <ul style="list-style-type: none"> • Reports • Project Website 	<ul style="list-style-type: none"> • MPC Final Report – Understanding Paratransit: Examining Time Inefficiencies and the Efficacy of Alternative Modes for Persons with Disability