



RESEARCH SEMINAR



Toushik Ahmed Niloy



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Human Ecology Building 315

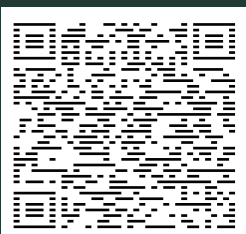


3:30 p.m. - 4:40 p.m.

Access to Healthcare: How Transportation Challenges Affect 2 Chronically Ill Populations in Dallas, TX, and Detroit, MI

Abstract

Transportation is essential for ongoing healthcare needs and access to medication, particularly for individuals managing chronic illnesses. The central research problem addressed in this study is how transportation mobility barriers affect healthcare accessibility among the residents in Dallas, TX, and Detroit, MI, and how these relationships are shaped by chronic health status and spatial alignment between public transit routes and healthcare facilities. In both Detroit and Dallas, the chronically ill population exhibits a greater concentration in the “high insecurity” and “marginal insecurity” categories, while the population without chronic health condition is more likely to fall within the “no insecurity” category. Moreover, the cost of transportation, service delays, and limited ride availability are key transportation challenges affecting public transit users when accessing healthcare services in Dallas and Detroit.



Bio

Niloy, a Ph.D. candidate in Urban & Regional Planning. His Ph.D. research concentrate on the impact of Transportation Insecurity on healthcare accessibility for chronically ill and lower income populations in Dallas, TX and Detroit, MI. Niloy completed M.Eng. in Transportation & Highway Engineering from Iowa State University, USA. In addition, he received his M.Sc. in Civil Engineering from the Southern Illinois University Edwardsville, USA. During his Master's programs, he performed research on the Real-time information dissemination, Automated traffic signal timing optimization, Signal control algorithms for coordination, Impacts of Freeway travel time aggregation on metrics, Routes of significance etc.