

Mode Choice for School Trip of Children's Independence Mobility: A Case Study of School Proximity to Mass Transit Stations in Bangkok, Thailand

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Abstract : Children's independent mobility for school trips promotes physical and mental well-being, reduces parental chauffeuring and traffic congestion, and boosts children's public confidence. However, in Thailand, despite a decade of rail mass transit development in Bangkok City, cars still queue to drop students at schools near transit stations. This worsens congestion, urging better independent mobility among children in mass transit regions. The high reliance on the private vehicle will influence the private mode in the children's adulthood. This research emphasizes mass transit use among high school students near transit systems. Through a questionnaire survey, quantitative and qualitative methods reveal key factors impacting school trip mode choice. Preliminary findings highlight children's independence as crucial. The socioeconomic, demographic, trip, and transportation traits explain private car use, even schools near mass transit stations. The outcomes of this study will shed light on urban strategic policies for improvement, advocacy, and encouragement of students using mass transit for school trips, which will help normalize the use of mass transit for such trips.

Keywords : children's independence mobility, mode choice, school trips, TOD, extraneous variable, children's independency

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