

Promote changes in the travel behavior to active and public transport modes in secondary and high school students of the Metro Area of Barranquilla

Summary

Transportation plays a pivotal role in shaping human interactions, economic mobility, and urban sustainability. This study focuses on home-to-school travel, exploring its enduring impact on individuals' transportation choices. Particularly in the context of school commuting, the chosen mode of transportation significantly influences the physical health of young people, with implications for long-term well-being.

The research emphasizes the importance of active transportation and public transit in fostering psychomotor and cognitive development, leading to improved spatial awareness, reduced learning deficiencies, and enhanced road traffic awareness. However, over time, young individuals tend to adopt sedentary travel patterns, necessitating an investigation into factors influencing transportation choices, including personal preferences and attitudes.

While school travel behaviour has been extensively studied in North America and Europe, there is a significant gap in research in the Global South, exemplified by the case of Colombia. This study focuses on the Metropolitan Area of Barranquilla, characterized by substantial inequality. The research aims to deepen our understanding of mobility behaviour, inequity, and social exclusion among secondary and high school students in this region.

By employing a mixed methods approach incorporating geoprocessing data, statistical models, and analysis techniques, the study seeks to comprehensively understand travel behaviour among students. The overarching goal is to develop interventions that promote active travel to school, addressing socio-territorial determinants and security perceptions.

Keywords

Transportation inequality, school travel behaviour, sustainable urban mobility, social exclusion in transportation, global south.



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