Mapping transport externalities on children's health

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Abstract

With the rapid growth of urbanization, children's safety is one of the most critical problems in many countries, mentioned as a fundamental challenge of sustainable development. Transportation has several health, environmental, social, and aesthetic consequences. Possibility of collision can affect travel decisions, travel destinations, and activity patterns, as well as the safety of children and others.

Although this emerging evidence concerns the potential effects of transportation on broader determinants of children's health and safety, it is not well synthesized and remains relatively intangible. People may understand the general influence of traffic and the built environment on children's health, but it is difficult for planners to identify problematic places and work to fix them without the tools to highlight the location of issues. Visualization of such information will help decision-makers address the problem.





- Intersection density
- Population density
- Traffic calming

Handling large databases in a multidisciplinary framework

