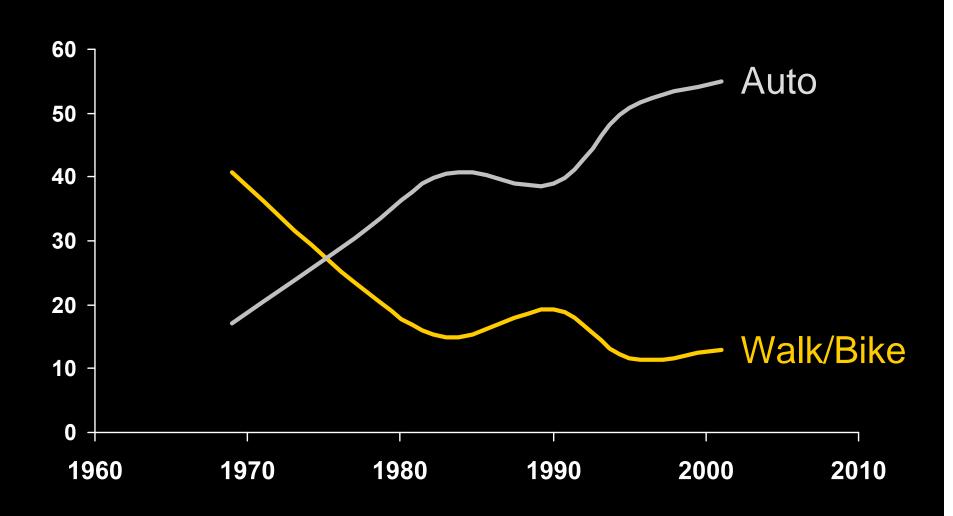


Influence of the Social Environment on Children's School Travel in Walkable Neighborhoods

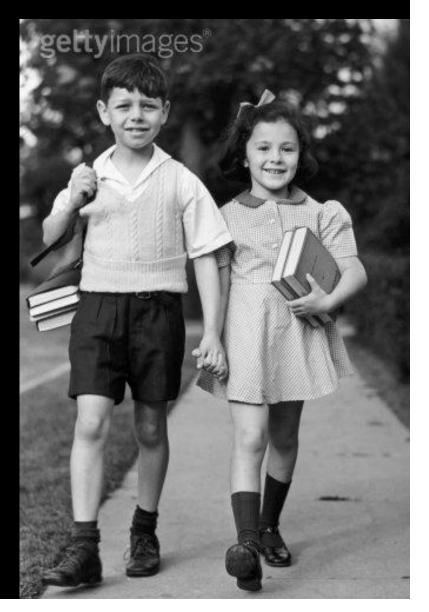
Noreen C. McDonald, UNC Chapel Hill Annette E. Aalborg, Kaiser Permanente Elizabeth A. Deakin, UC Berkeley

Declining Walking to School

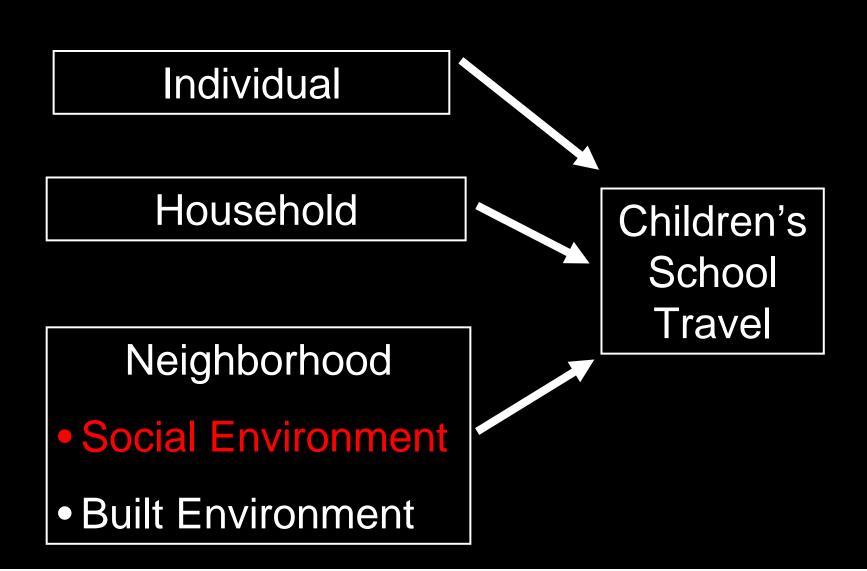


Research Question

 How do parental views of the social environment affect rates of walking or biking to school?

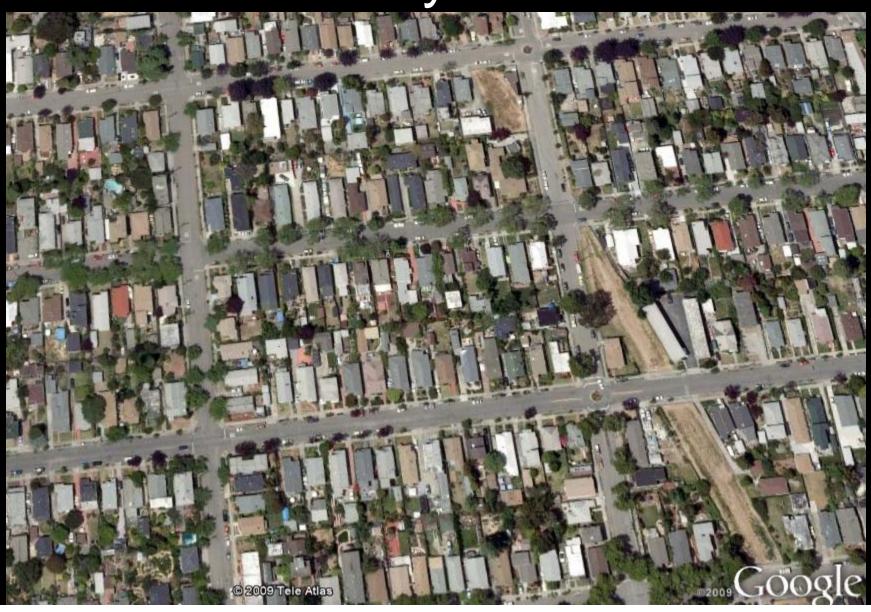


Conceptual Framework





Study Area

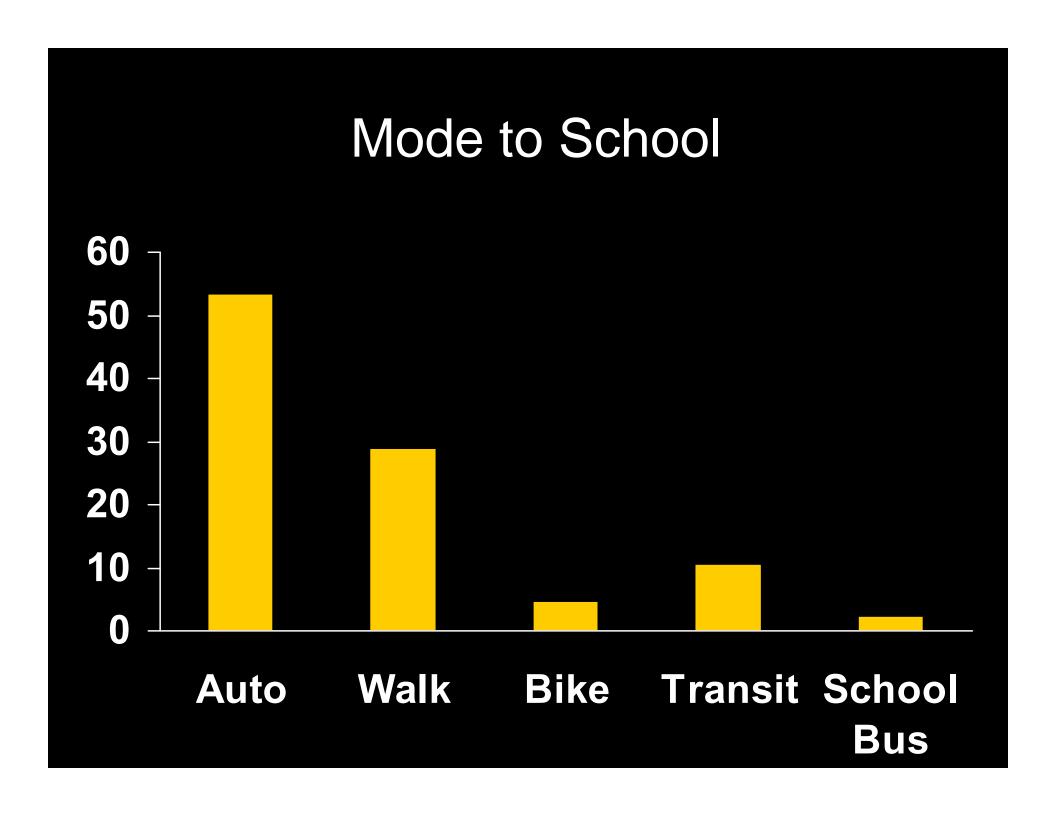


Measuring the Social Environment

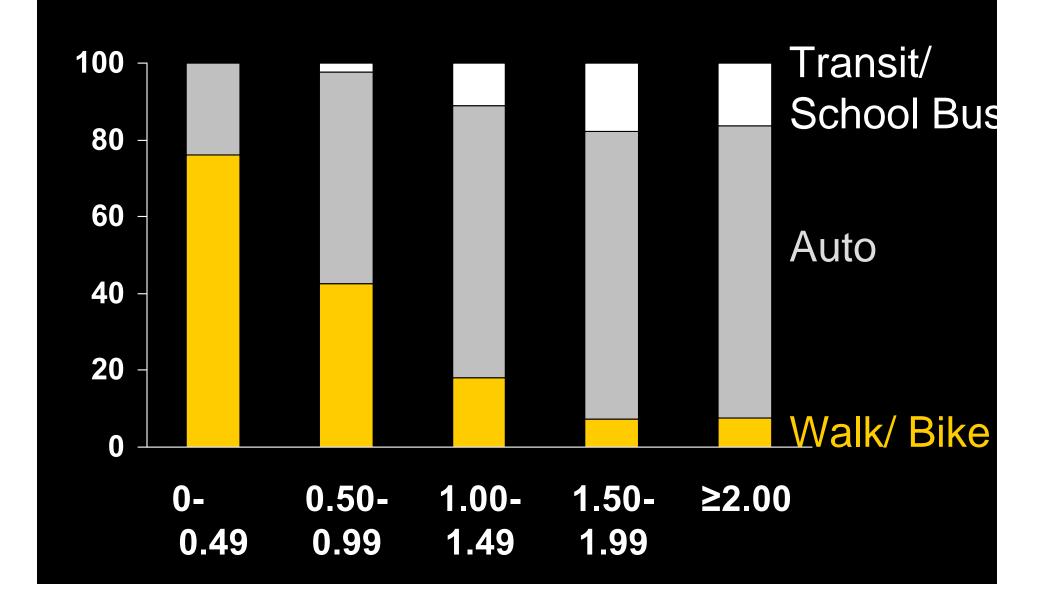
- Child-centered social control
- Intergenerational closure
- Social cohesion
- Safety from traffic
- Safety from crime

Measuring Walking and Biking

- "What is the primary way your child travels to school?"
- Active Transportation
 - Walking,
 - Bicycling,
 - Skating/Skateboarding/Scooting



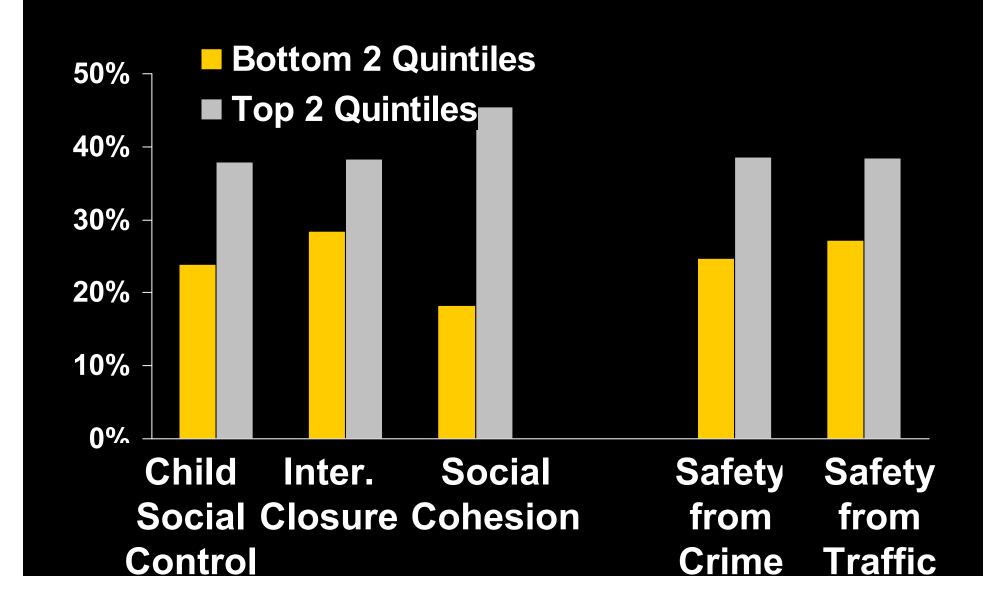
Mode by Distance to School



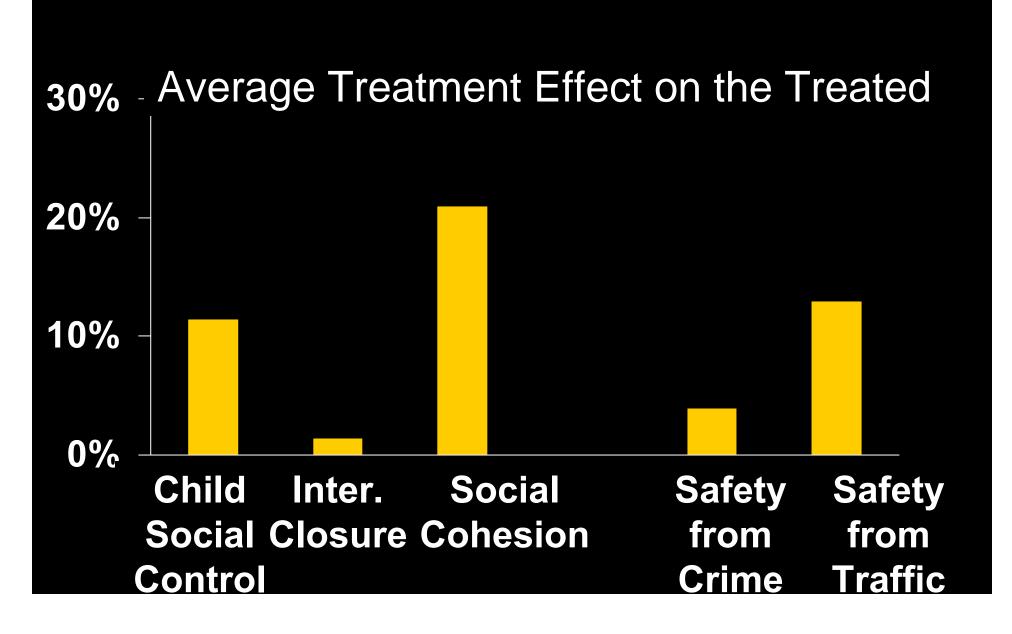
Methods

- Compare active transport rates by SE levels
 - Top 2 quintiles (Treatment)
 - Bottom 2 quintiles (Control)
- Matching methods to control for covariates
 - Exact match: Race, Distance Categories
 - Closest: Age, Vehicle Ownership per Adult
- Report average treatment effect on the treated (ATT)

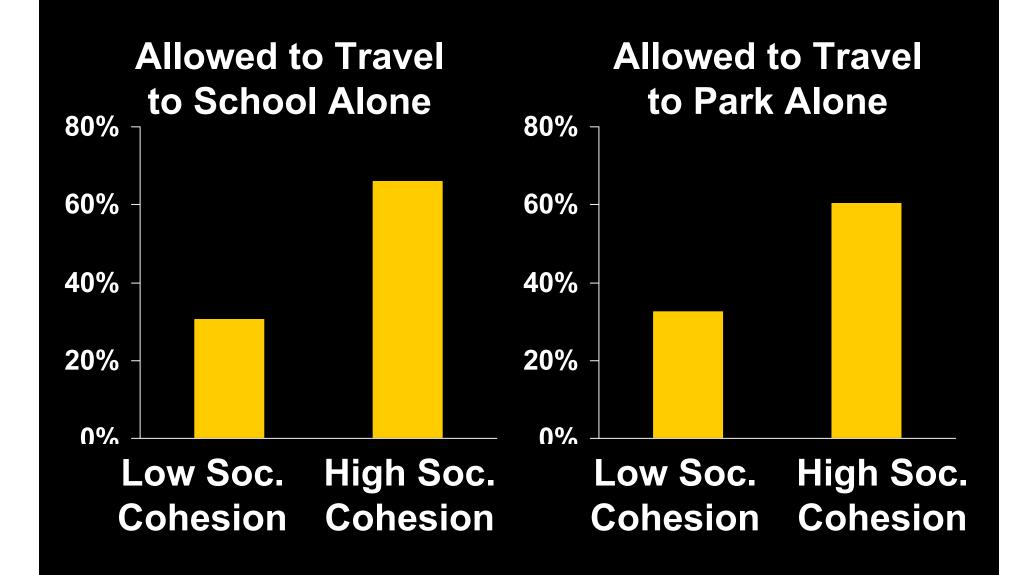
Active Transport Rates: Unadjusted



Adjusted Differences



Independent Mobility



Policy Implications



Policy Implications

- Safe Routes to School
- Consider links between walking to school and broader community development efforts