



Daily activities and violence in neighborhood landscapes

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The Philadelphia Inquirer

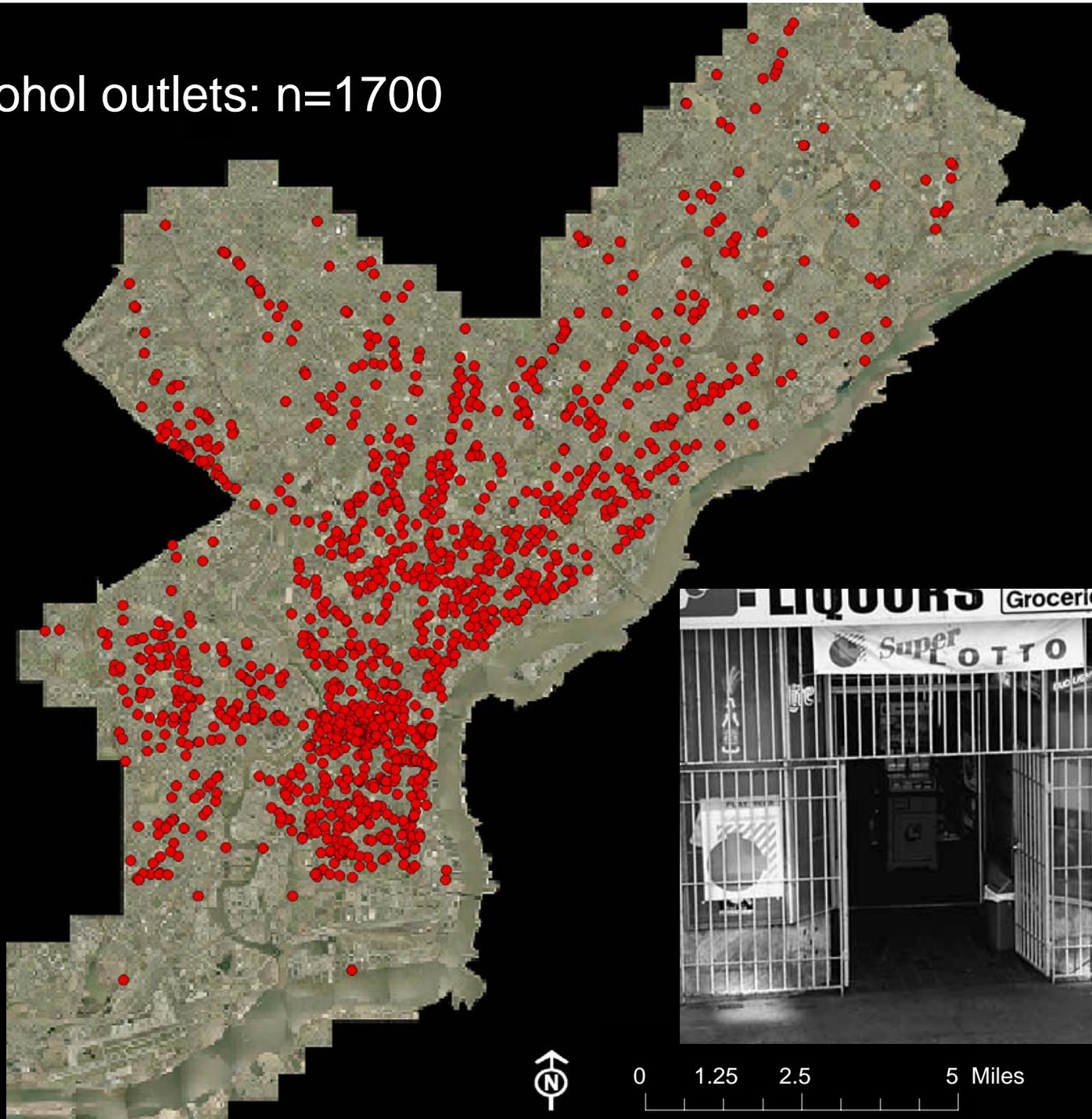
Special Report: The Meanest Streets

Shootings Ravage City Neighborhoods

Space-Time Adolescent Risk Study (R01AA014944)

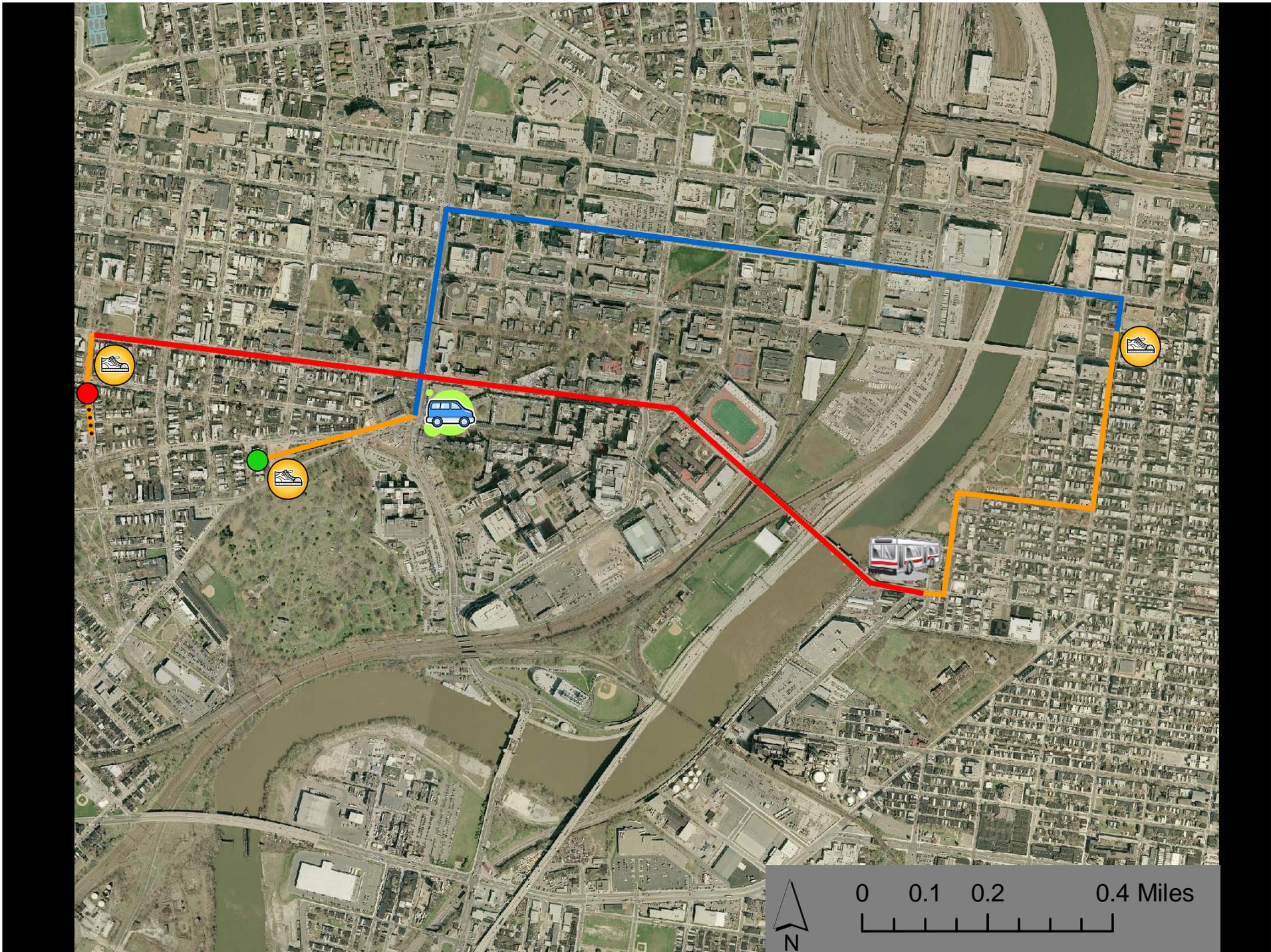
- 10-19 year-olds in Philadelphia
- Hypothesis: daily routines constrain activities in space-time, dictate time protected from/exposed to gunshot injury risks
- Population-based case-control study
- Cases: shooting victims, Emergency Room recruitment
- Controls: recruited randomly
- In-person interview: space-time map of daily activities
- Key risk factor: bars, alcohol outlets

Alcohol outlets: n=1700



Brett Reinson





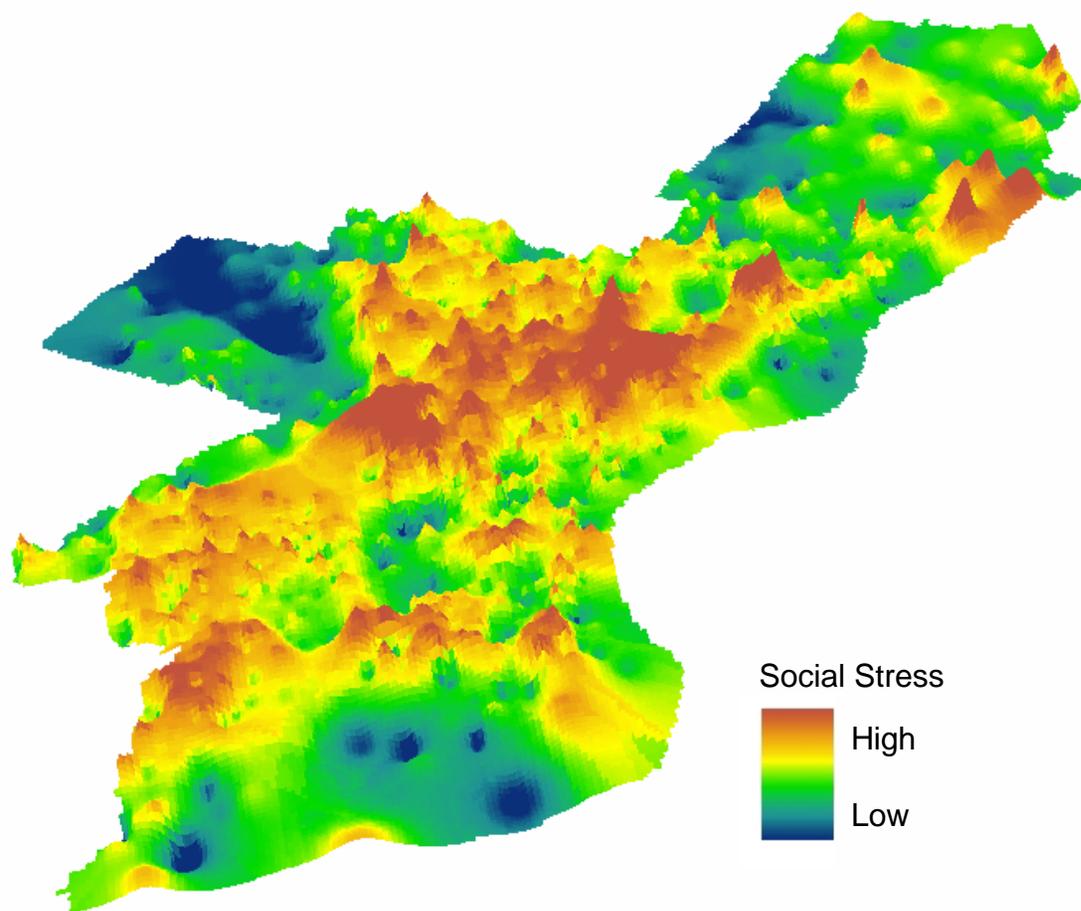
Census tracts: n=381



Neighborhoods: n=69



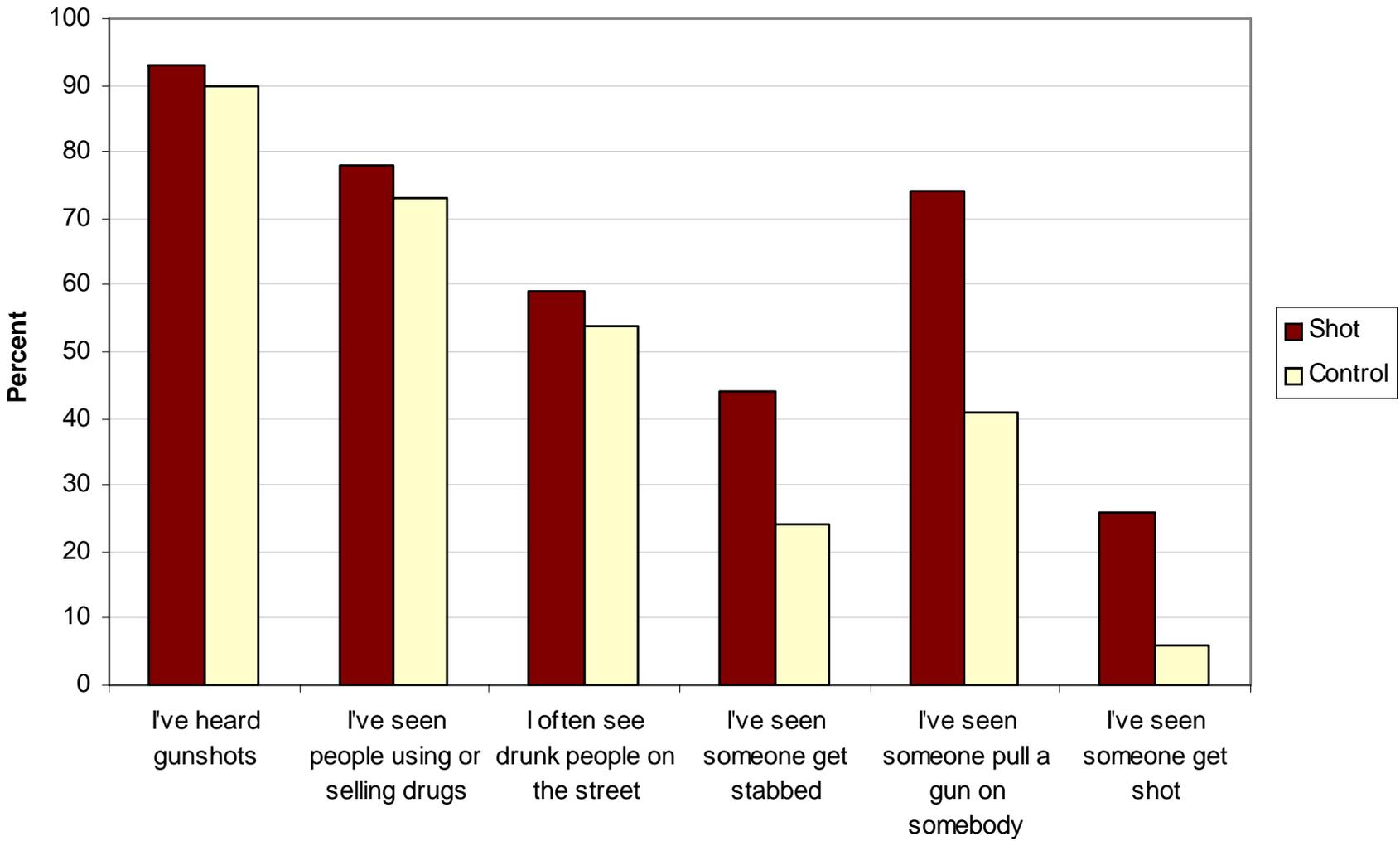
Social stress: elevated rates of truancy, child poverty, teen births, substantiated abuse and neglect cases



Graphic: Jamie Doyle

McWayne, McDermott, Fantuzzo, Culhane. Employing community data to investigate social and structural dimensions of urban neighborhoods: An early childhood education example. Departmental Papers, School of Social Policy and Practice, Univ of Penn 2007.

Experiences in their neighborhoods: 10-19 year-old shooting victims (case subjects) and control subjects in Philadelphia, 2005-present*



* Data not final

Implications

- Locations of activities are linked to risk
 - evidence from Sampson and Stoll
 - evidence emerging in Philadelphia study
- Opportunities to be in a given location vary
- Nature of activities within a location also link to risk
- Identifying modifiable risk factors creates opportunities to make neighborhoods safer

Acknowledgement

Space-Time Adolescent Risk Study



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