# Assessing Built Environment Features Linked to Physical Activity

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- Developed draft instrument
  - Reviewed literature on physical activity & urban form
  - Reviewed existing instruments

### Research Design

- Conducted 3 focus groups to gauge thoroughness of the instrument
  - Teenagers
  - Low income population
  - Multiple ethnicities

#### Research Design

- Convened a Delphi panel of 5 experts with backgrounds in planning, public health, urban design, transportation, geography, and GIS
  - Susan Handy, University of California, Davis
  - Harvey Miller, University of Utah
  - Jack Nasar, Ohio State University
  - Dan Stokols, University of California, Irvine
  - Craig Zimring, Georgia Technological University



### Unit of Analysis

- Settings divided into segments
- Alternate for places with non-linear organization
- Will measure a sample of segments in each setting

#### The Instrument

- Setting and segment level questions
- Four scales 113 items total
  - Accessibility 16 items
  - Perceived Safety from Crime 18 items
  - Perceived Safety from Traffic 19 items
  - Pleasurability 60 items
- Quantitative, objective measurements
- Most in-person observations with some GIS data

## Reliability Testing

- Currently conducting reliability testing
- 3 observers
- Separate observations
- 20 settings (subset of existing settings)