

# Presenter Disclosures Malia Jones and Hsin-Chieh Chang The following personal financial relationships with commercial interests relevant to this presentation existed during the past 12 months: No relationships to disclose.



### What is walkability?

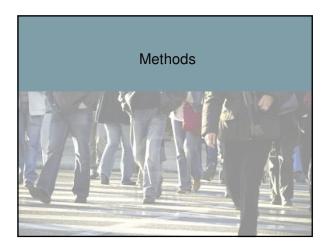
The ability of the built environment to support and encourage walking, including the *quality* and *safety* of the environment from the perspective of pedestrians

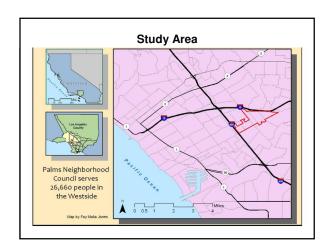
How safe, easy and enjoyable is it to walk around here?

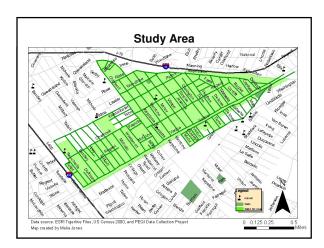
4

### **Project Goals**

- Promote community engagement and awareness on issues of walkability and city planning
- 2. Perform a complete walkability assessment of study area.
- 3. Inform local walkability planning needs at the level of City government.
- 4. Disseminate the methodology used in this study to other neighborhoods.







# The Pedestrian Environmental Quality Index (PEQI)

- Structured observational measure of walkability
- Developed by the San Francisco Department of Public Health (SFDPH)
- Designed to produce an aggregate measure of walkability on a block-by-block basis.
- Predicts key health determinants

q

### **PEQI** domains

- 1. Intersection safety
  - Presence of crosswalks, visibility of crosswalks, time allowed to cross
- 2. Traffic
  - Number of lanes, vehicle speed
- 3. Built Environment Design
  - Width of sidewalk, sidewalk quality, presence of curb, etc
  - Aesthetic qualities: trees, planters, public seating, etc.
- 4. Land Use
  - Public art and retail use
- 5. Perceived safety
  - Illegal graffiti, litter, lighting, etc.

10

### Adaptation of PEQI

- San Francisco ≠ Los Angeles
- · Significant adaptation of PEQI
  - Remove irrelevant items
    - E.g., "ladder crosswalks"
  - Add items
    - Stop signs, curb cuts at crossing, bike racks, etc.
  - Signals are not assumed to be needed at every intersection
  - Corresponding revisions to the Walkability Index

11

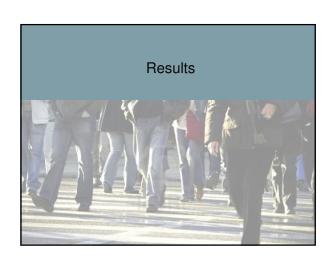
### Training and Data Collection

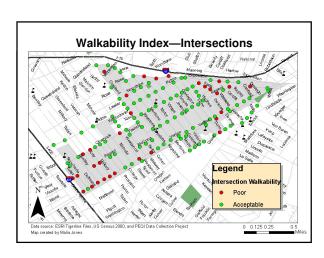
- 2 Events
- 31 Volunteers
- · 2-hour training
- 4-hour data collection
- 36 items
- 133 intersections
- · 214 street segments
- 22 linear miles

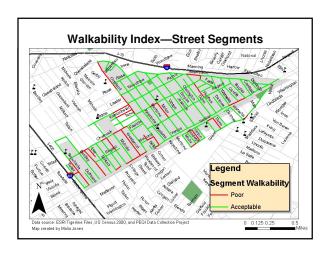


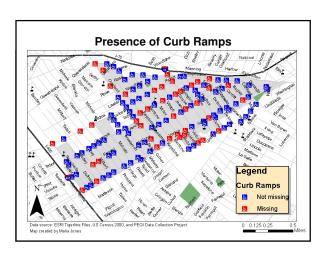


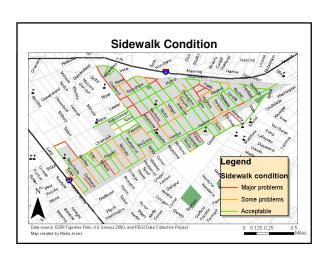




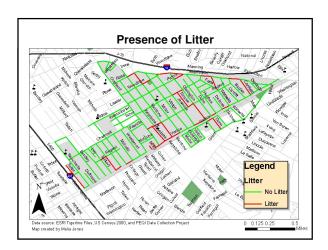














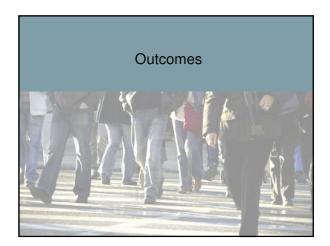
# Results presented to Community & City

- Priority List
  - Litter and graffiti widespread
  - Curb ramps missing on many corners
  - Traffic signals needed on some major street crossings
  - Sidewalk conditions are poor

22

### Community Engagement Results

- Volunteer responses
  - Excited, enlightened, and exhausted
  - "Educational", "... changed the way I see pedestrians", "learned so much about Palms"
  - Useful to learn terminology for future advocacy



### **Neighborhood Improvements**

• Regular community litter cleanup project



- · Request for additional crosswalks/improvements
- 2 new left-turn signals
- Cleanup projects to address vacant lots

25

### **Community Engagement**

- Successful way to get community involved
- Increased awareness and engagement on issues of obesity, walkability, and city planning for health
  - Individuals
  - In Neighborhood Council

26

### **PEQI** Dissemination

- Presentation to City Dep't of Public Works
- 2 additional communities
- Publically available PEQI toolkit
  - English and Spanish versions
  - Mobile app

### Acknowledgments

- We are indebted to the San Francisco
   Department of Public Health for the original PEQI instrument and training guide
- This work was supported by small grants from the UCLA Students of Color for Public Health, the City of Los Angeles, and the Wilshire Foundation
- Photos by Rosa Calva



### Resources

- Publically available Los Angeles PEQI toolkit:
- Original PEQI and training guides: http://www.sfphes.org/HIA Tools PEQI.htm

## Thank you!

29

### Extra slides

# Perceived Barriers to walking exist in the built environment

- Danger from motor vehicles, crime & violence
- Lack of <u>sidewalks</u> or poor repair/design of sidewalks
- <u>Aesthetic qualities</u> of the area (shade, noise, attractiveness of paths)
- Existence and quality of <u>facilities</u> for exercise (e.g., parks, sports fields/courts, walking paths, etc)
- Lack of <u>support</u> at destinations (e.g., bike racks, showers, dress codes)
- <u>Connectivity of streets/availability of direct routes to destinations</u>
- Distance to destinations

3

### Walkability and health

- Better walkability:
- Reduces our dependence on cars
  - This reduces air pollution, noise pollution, AND traffic accidents.
- · Increases physical activity
  - Regular moderate physical activity (such as walking or cycling) reduces the risk of chronic disease
- Improves social support and engagement in communities