Taking Health to the LA Great Streets
Measuring Walking, Biking, and Safety

Jimmy Tran, MPH/MURP Candidate | Client-Carter Rubin-LA Great Streets Initiative | Advisor-Anastasia Loukaitou-Sideris

The Need for Healthy Streets

Cities across the country are investing in their urban street infrastructure to make them safer, more accessible, and vibrant to their communities. Programs such as the Los Angeles Great Streets Initiative aim to increase Angelenos’ quality of life by improving street services and functions other than moving cars. Despite the wealth of data collected for LA Great Streets, there are still gaps in evaluating how these public spaces can create environments that encourage healthier lifestyles and physical activity.

Research Question: What metrics best measure safe and healthy streets?

Evaluating Cesar Chavez

I conducted a baseline evaluation of Cesar Chavez Avenue using common metrics and tools evaluated in the academic literature that included:

1. The Pedestrian Environmental Quality Index
2. Motorist Non-compliant Counts
3. Pedestrian Behavior Observation Tool
4. Pedestrian Activity Scans

Findings

1. Cesar Chavez is a walkable street with the potential for more ped/bike amenities.
2. Activities along the street reflect a need for more seating and social spaces.
3. Pedestrians have enough time to safely cross the street.
4. The metrics for traffic safety are limited in observing interactions between pedestrians and motorists.
5. Evaluation tools varied in ease of implementation and learning difficulty.

Recommendations

1. Evaluate street-level health by looking at key measures of walking, biking, safety, and land use types.
2. Incorporate specific metrics for traffic safety that considers the abilities of people crossing and perceptions on traffic safety.
3. Conduct future evaluations using tools that have relevant metrics, are user friendly and easy to implement.

Recommended Metrics for Street Health

<table>
<thead>
<tr>
<th>Walking</th>
<th>Bicycling</th>
<th>Traffic Safety</th>
<th>Personal Safety</th>
<th>Land Use</th>
</tr>
</thead>
<tbody>
<tr>
<td>Pedestrian counts and available infrastructure</td>
<td>Bike counts and available bike infrastructure</td>
<td>Fatalities and injuries, user behavior, traffic calming</td>
<td>Street lighting, perception of personal safety, crime data</td>
<td>Building character, intersection density, and existing streetscape</td>
</tr>
</tbody>
</table>

Photographs of data collection along Cesar Chavez Avenue in Boyle Heights