Active Living Research, 2009

Caminando con Fe (Walking with Faith):
Promotoras Advocating for Built Environmental
Changes to Promote Physical Activity among
Churchgoing Latinas

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Overview of Presentation

- Rationale and study aims
- Research design
- Environmental changes
- Amount of time spent in changing the built environment
- Links between the environment and physical activity
- Program sustainability

Why churches?

- 68% of Latinos identify as Catholic¹
- 42% of Latino Catholics attend church weekly¹
- Effective and culturally appropriate entry portal for prevention activities^{2,3}
 - Promote emotional, spiritual, and physical health
 - Social gathering
 - Permanence and prestige

¹ PEW., 2006

² Trasher et al., 2004

³ Bowen et al., 2004

Promotoras (Lay Health Advisors)

- Community leaders
- Health promotion programs identify and train promotoras to deliver the intervention.
- Promotoras have been involved in a variety of health promotion and disease prevention programs with diverse racial/ethnic groups.^{1,2}

¹ Lacey, 1998

² Eng et al., 1997

Study Aims

Provide preliminary evaluation of intervention influences on:

- Physical activity
- Psychosocial correlates of physical activity
- The built environment

Study Design

- Pre and post one group design, sample size, DV
- Individual level intervention and assessment
- Environmental level intervention and assessment



Region/Border Context

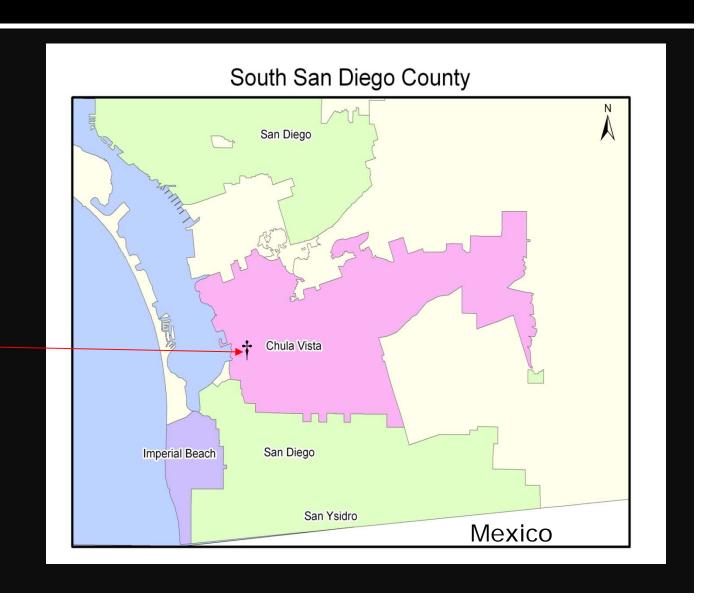
Population

53% Latinos in Chula Vista

West with a medium income of \$29,535

Intervention church

Approximately 6 miles from the border



Intervention Church

- □Established in 1957
- □1800 parishioners
- ☐3 Spanish services
- □47% Hispanic



Promotoras training

- Recruitment: individual (3) and environmental (3)
- □ Duration: 2 mos; 2x/week;2 hrs each
- Training: Individual and environmental; CPR trained
- Met weekly (initially) then bimonthly (after 2 mos)
- WalkSanDiego training



Environmental Level Targets

<u>Tier 1</u> (red) Church parcel

<u>Tier 2</u> (yellow) <u>Block</u>

Tier 3
1/2 mile
around the
church



Environmental AssessmentTier 1 (church premises)









Environmental Assessment— Tier 2 (block/park) and Tier 3 (1/2 mile)



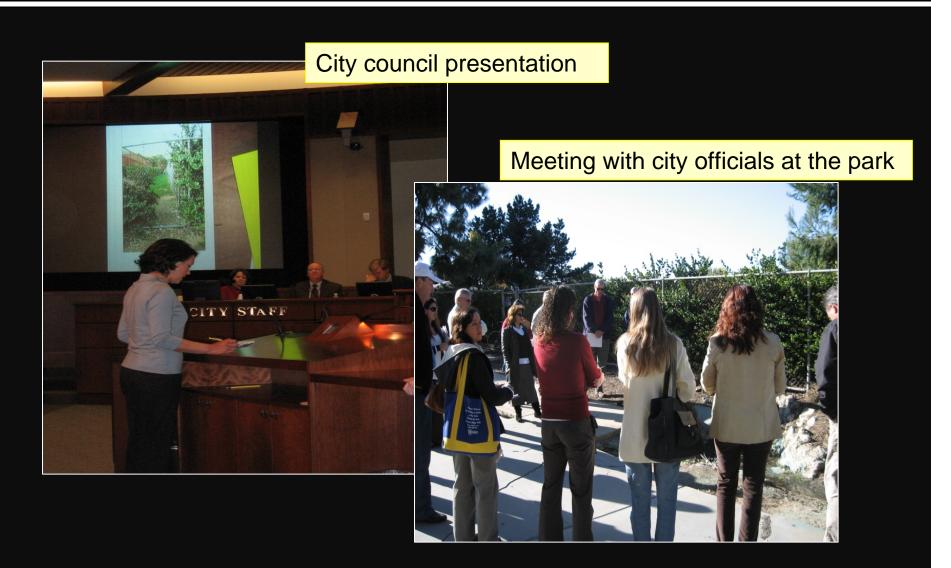
Lauderbach park







Advocating for Environmental Changes (Tier 2)



Making changes (Tier 1 – church)



Environmental Successes

Tier 1 changes to date

- Renovated and inaugurated basketball court
- Improved landscaping
- Decreased trash
- Decreased graffiti
- Increased security

Tier 2 changes to date

- Increased park security
- Improved park safety
- Enhanced park amenities
- Improved pedestrian safety in park
- Improved children's play area
- Removed trash around the block
- Improved pedestrian safety



Celebrating changes (Tier 1)



Celebrating changes (Tier 2) Lauderbach Park grand re-opening

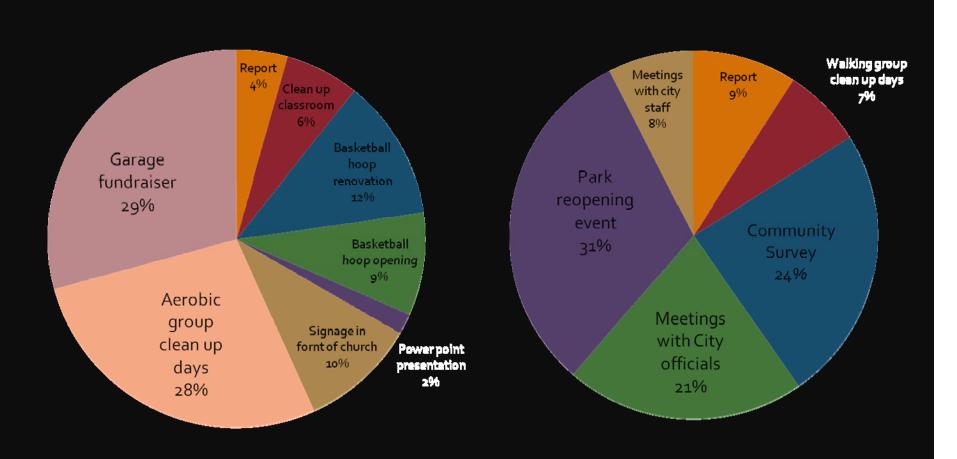
Community organizations information booths



Physical activity demonstrations



Promotoras' time spent in making environmental changes



Tier 2=186 Total hours

Tier 1=283 Total hours

Perceived environment

Demographic	Total (n=97)
% Married	70
% Drive	84
% Employed	51
% <u><</u> HS	67
% Born in Mexico	93
% ≤ \$2,000/month	51
Mean age (SD)	42 (10)
Mean # of yrs. in US (SD)	17 (13)

100% Latina sample; 82% cohort maintenance post-intervention

Pre and post intervention results: Environmental changes and link to PA

Changes in perceived environment

- No changes in perceived built environment
- Significant increase in neighborhood cohesion

Linking PA with perceived environment

- Neighborhood cohesion led to higher leisure time physical activity.¹
- •Environmental changes (safety and recreational features) noticed to the park was associated with intention to use the park for exercise.²

¹ Martinez, S., Manuscript in prep.

² Hoos, T., MPH thesis

Program sustainability



Physical activity programs have continued

Robert Wood Johnson Foundation

- •Five churches
- "Adopt a park" program
- •Create wellness programs
- •Implement policies in faith based organizations that increase PA programs and access to healthier food options

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