

Presenter Disclosures

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(1) The following personal financial relationships with commercial interests relevant to this presentation existed during the past 12 months:

No relationships to disclose

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The Social Construction of Disability

"Disability is a function of the gap between a person's capabilities and the demands created by the physical and social environment."

Saad Nagi, 1965

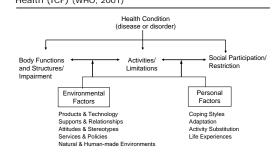






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International Classification of Functioning, Disability and Health (ICF) (WHO, 2001)



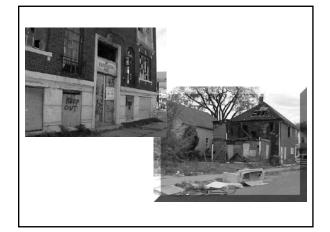
The Urban Environment in the Disablement Process

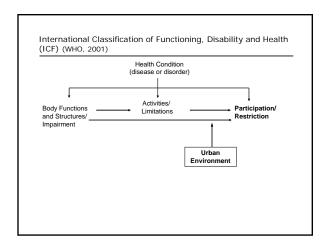
- □ Poor street conditions, heavy traffic, and excessive noise are associated with the onset of physical impairments (Balfour and Kaplan, 2002; Schootman, et al., 2006).
- Poor street conditions are associated with a higher odds of walking difficulty among adults with lower body impairment (Clarke et al., 2008).
- ☐ Uneven sidewalks and sidewalk obstacles (i.e. loose rocks, stones, and other debris) are responsible for the majority of outdoor falls among older adults (Li, et al. 2006).
- Sedentary lifestyles and social isolation can have adverse consequences for health and independence (Cohen, et al., 1986; Jette, et al, 1992).

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Data

- ☐ Chicago Community Adult Health Study (CCAHS)
- □ 3,105 individuals
 - aged 18 and over living in the city of Chicago
- ☐ Analyses restricted to age 45+ (N=1195)
- ☐ Face-to-face interviews (72% response rate)
- ☐ Field period: May 2001- March 2003

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Social Participation

- Social interaction ICFd9205
 - $\hfill\Box$ frequency of getting together with friends, neighbors, relatives
- Voting ICFd950
 - $\hfill\Box$ voted in last federal and/or mayoral elections
- Obtaining preventive health care ICFd5702
 - physical exam, blood pressure check, cholesterol check in past 2 yrs
- Attending religious services ICFd9300

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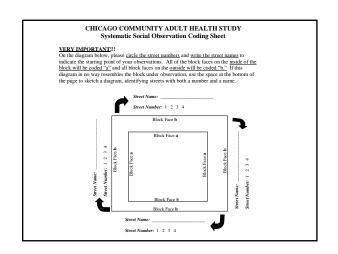
Impairment or Activity Limitation

- Vision impairment (even with glasses)
- Hearing impairment (even with a hearing aid)
- Cognitive impairment
- Difficulty walking 2-3 blocks without help
- Difficulty stooping, kneeling, climbing stairs, getting up from a chair (movement-related activity limitations index)

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Measures of Urban Environment Systematic Social Observation (SSO) (Reiss, 1971; Raudenbush & Sampson, 1999) Direct observational method Capitalizes on interviewer visits to homes: while walking through small respondent-centered neighborhoods, characteristics are documented using a standardized instrument E.g. presence of litter, heavy traffic, condition of buildings/streets

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Street Conditions (SSO)

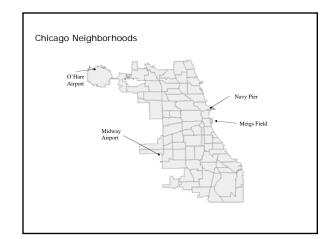
- □ Please Rate Condition of Street:
 - Very Poor (e.g. many cracks, broken curbs, potholes)
 - Fair (e.g. some cracks, broken curbs, potholes)
 - Moderately Good (e.g. no cracks, broken curbs, but not freshly paved)
 - Very Good (e.g. freshly paved)
- □ Ratings typically based on 4 streets per block (inter-rater agreement = .803)
- □ Aggregated up to characterize wider neighborhood area (e.g. block group, tract)

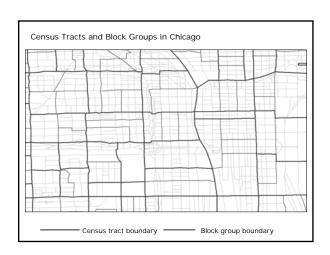
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Measures of Urban Context

- ☐ Quality of street conditions (rubble, cracks, broken curbs)
- □ Neighborhood social disorder (graffiti, garbage, broken glass, empty beer/liquor bottles, abandoned cars, drug-related paraphernalia, condoms)
- $\hfill\Box$ Neighborhood decay (abandoned, burned out, boarded up housing, buildings in poor condition)
- ☐ Residential security (neighborhood crime watch signs or security warning signs)
- $\hfill \square$ Noise levels, volume of traffic, tree coverage
- $\hfill \square$ Presence of recreational facilities, parks, grocery stores, churches

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Statistical Analyses Linear, Multinomial, or Logistic regression (depending on the measure of participation) Single-level models for analyses at the block group level (1.5 obs/group, range 1-7) Multi-level models for analyses at the tract level (2.4 obs/tract, range 1-12) Models run in SAS 9.2 and HLM 6.08 Weighted sample matches the 2000 Census population estimates for the city of Chicago (age, gender, race/ethnicity)

