

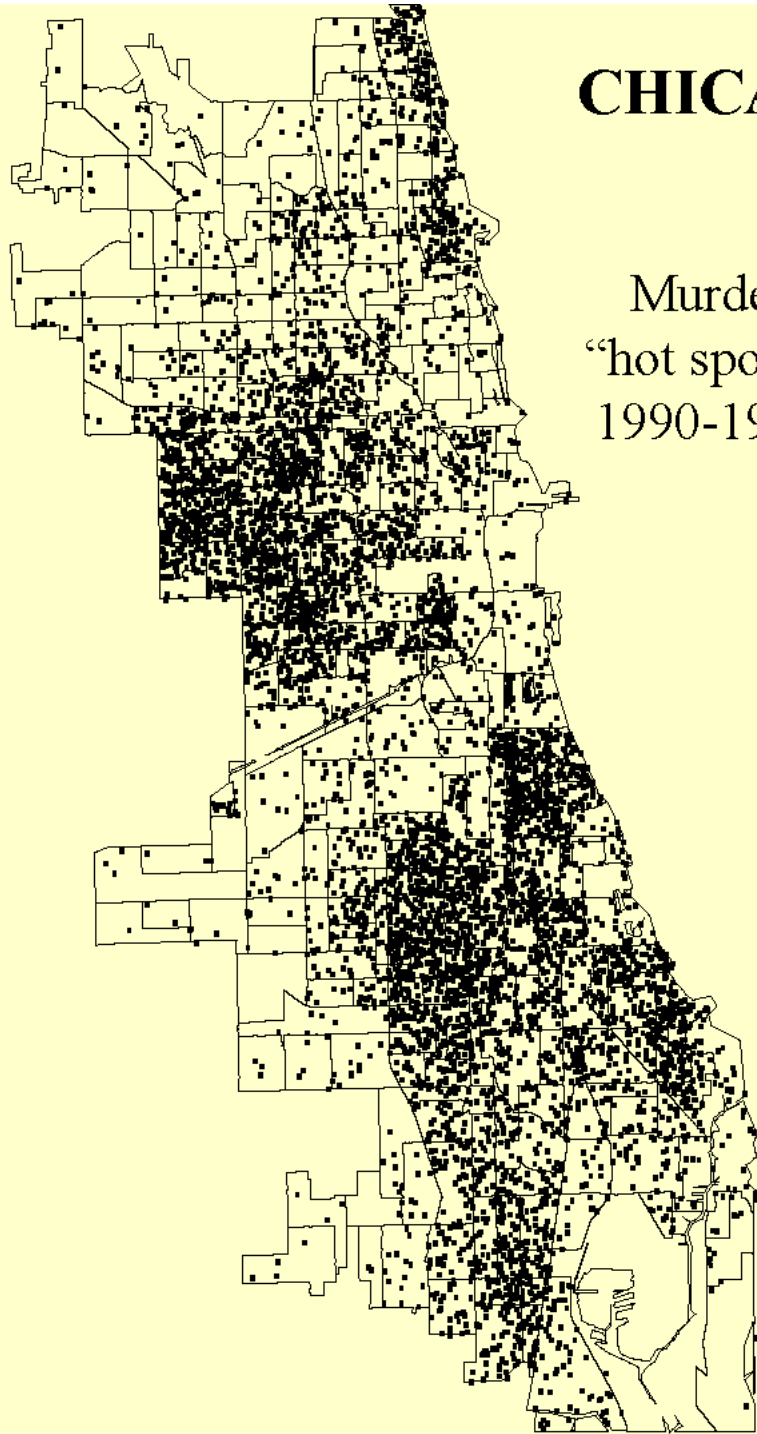
Space and the City: Modern Chicago (and Beyond)

Robert J. Sampson

Department of Sociology
Harvard University

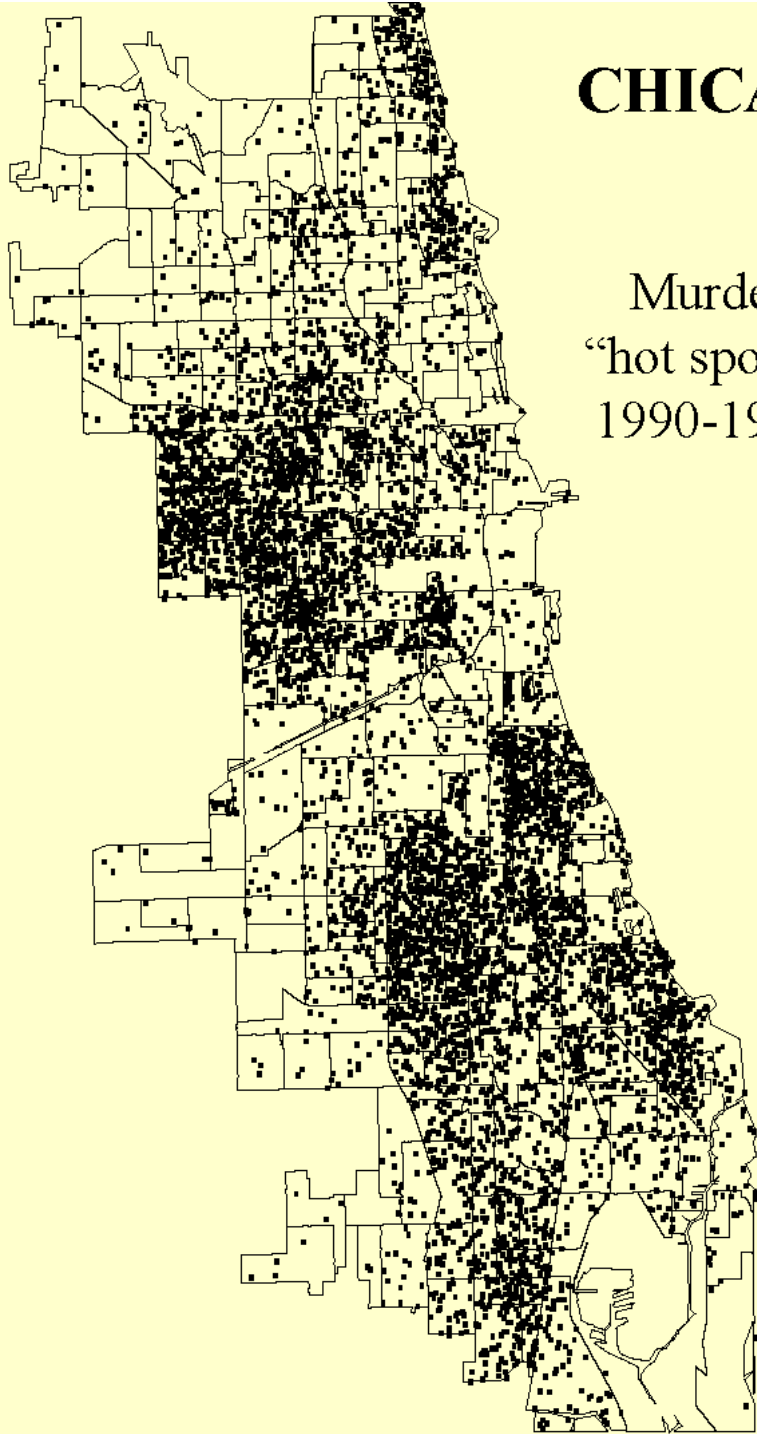
CHICAGO

Murder
“hot spots,”
1990-1996

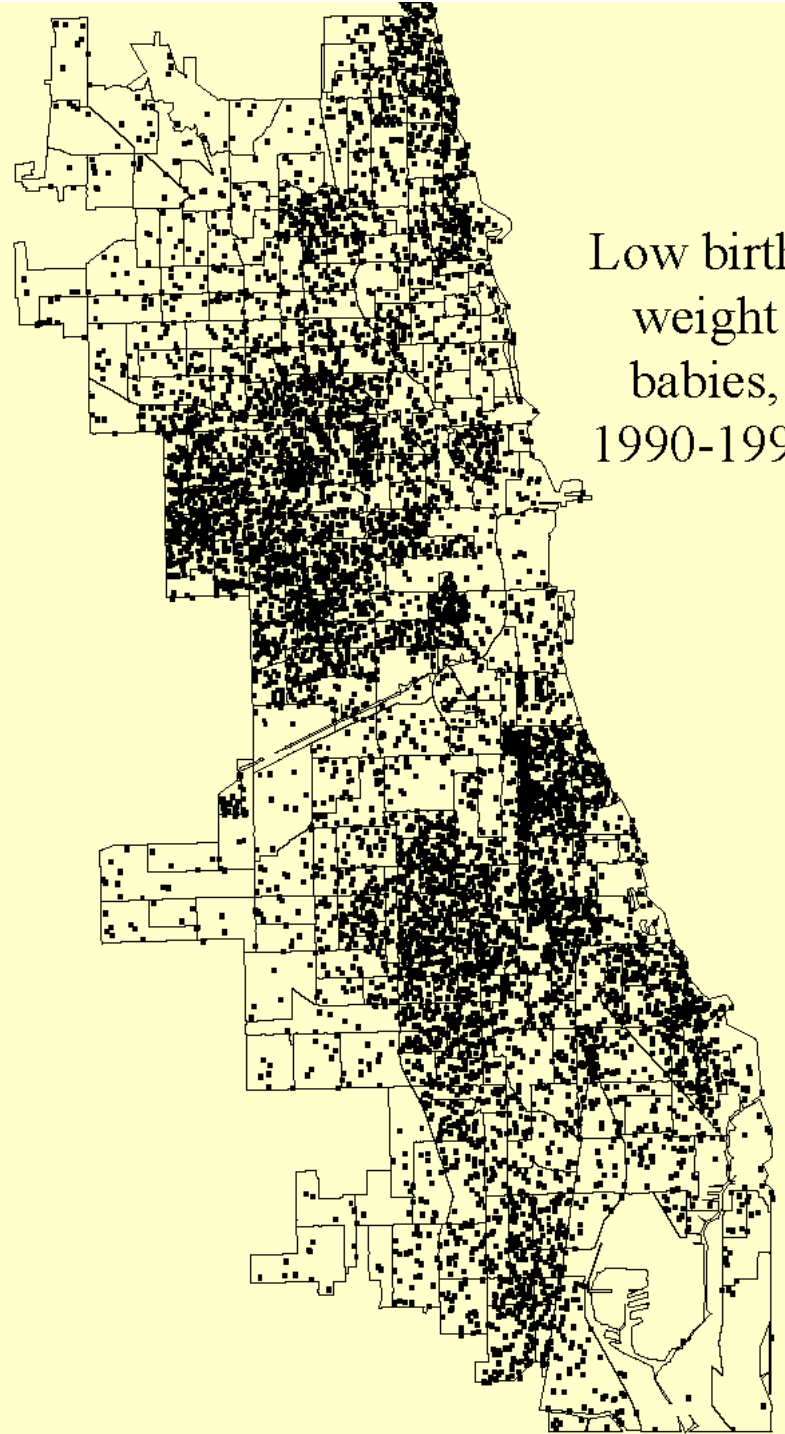


CHICAGO

Murder
"hot spots,"
1990-1996



Low birth-
weight
babies,
1990-1996



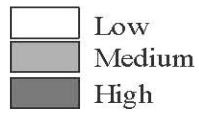
Year 2000 CIVIC Events

Year 2000 PROTEST Events

Year 2000 HYBRID Events

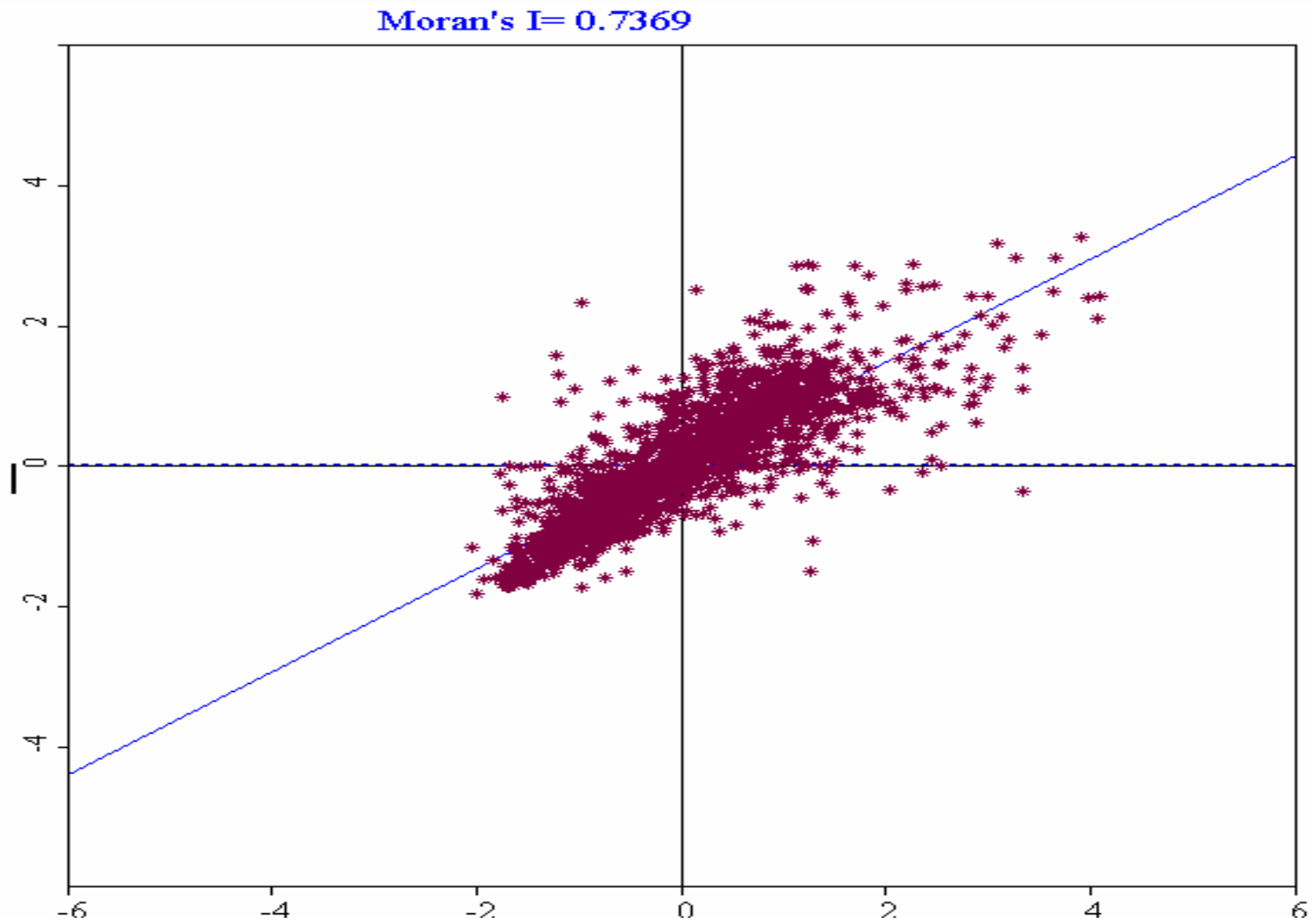


Organizational Density

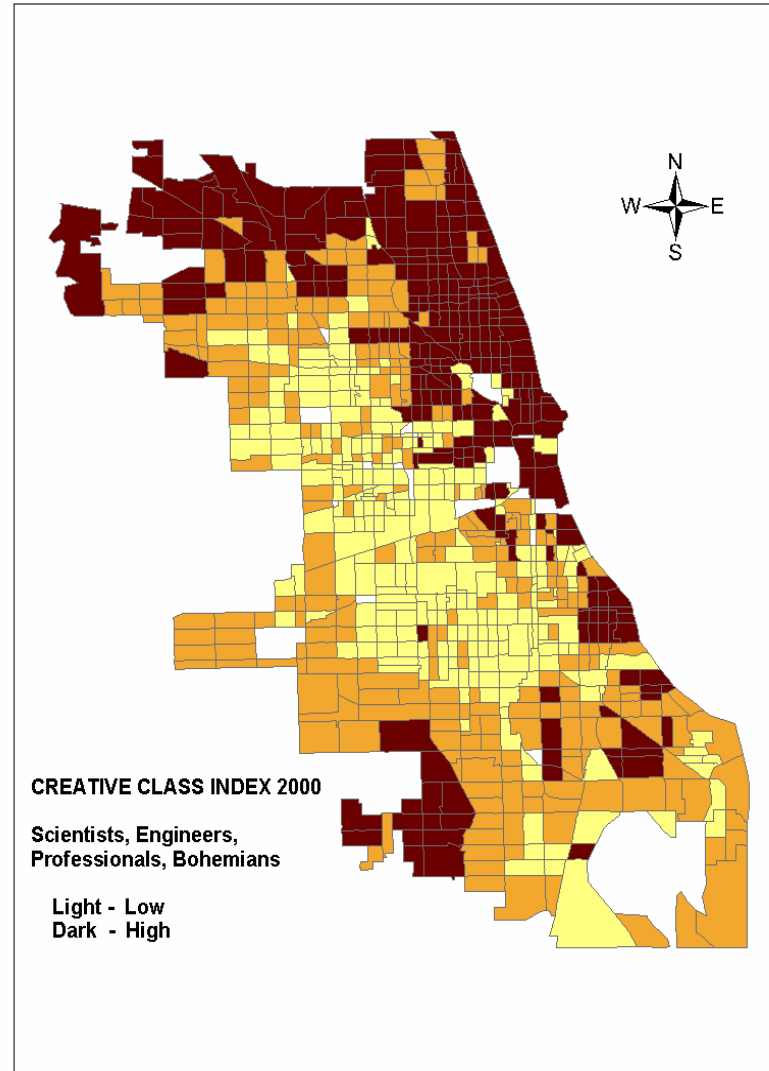


Concentration of Collective Action Events in Chicago

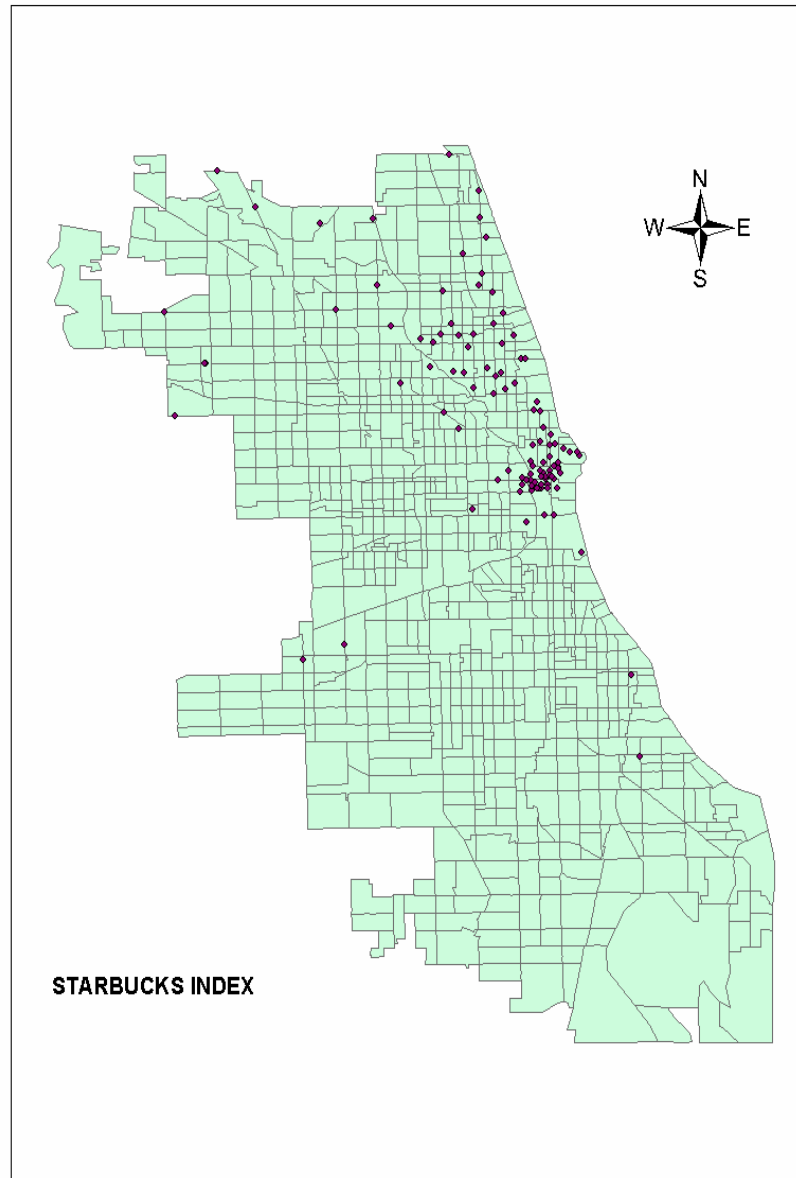
Spatial Interdependence of Concentrated Poverty, Chicago 2000



Spatial Concentration of the “Creative Class” in Chicago



Finally, “Globalization” Embedded: Concentration of *Starbucks*





Project on Human Development in Chicago Neighborhoods

(PHDCN)

<http://www.wjh.harvard.edu/soc/faculty/sampson/>

PHDCN = Two Studies in One

- **Multi-Method Longitudinal Study of Chicago Neighborhoods**
- **Cohort-Sequential Longitudinal Study of ~6,500 Young People, Ages 0-25**

1995-2003

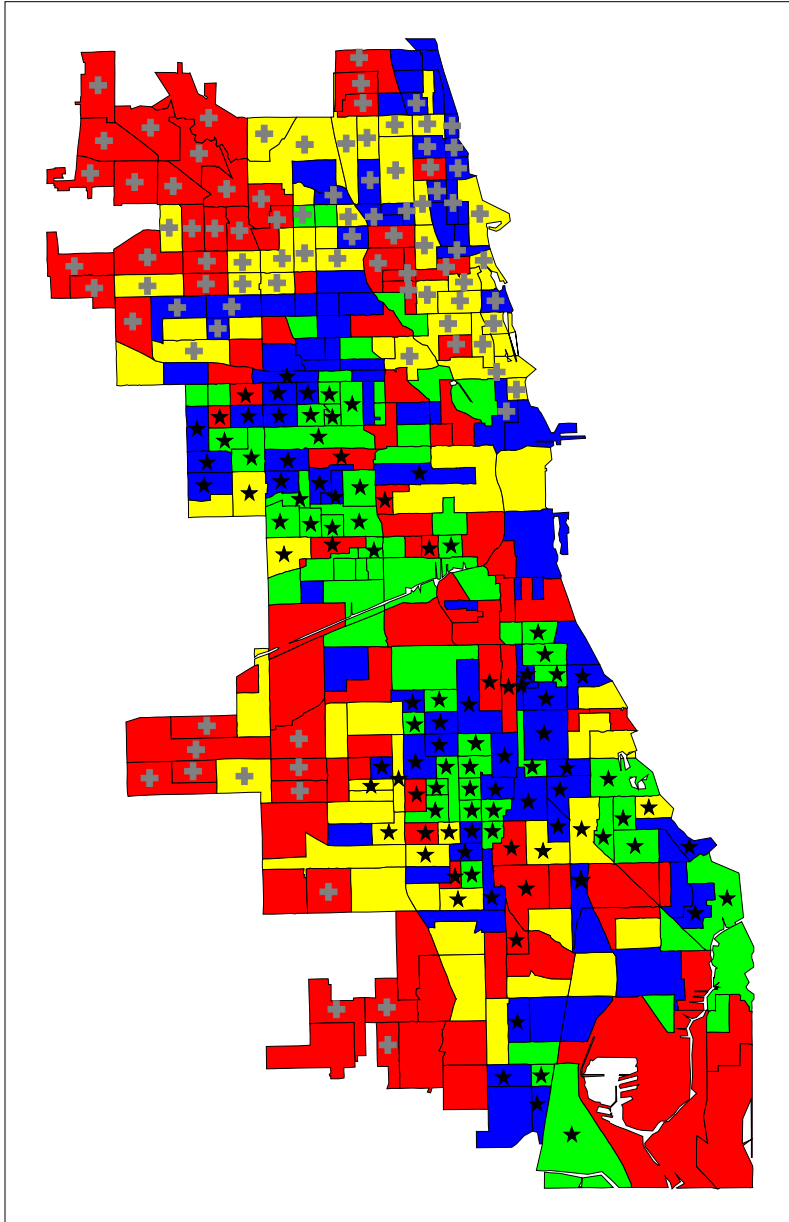
COMMUNITY DESIGN

- 1. Clustered Resident Survey:** household survey in all 343 Chicago neighborhoods (N=8,872 and 3,301)
- 2. Systematic Social Observation:** physical and social characteristics of ~23,000 street segments assessed through direct observation (videotaping, observer logs)
- 3. Key Informants Survey:** interviews with community informants and positional leaders (N=2,800 and 1,300)
- 4. Archival Records:** census, police, health: 1990-2000

KEY THEMES

- Understanding the nexus of *spatial processes* and *social mechanisms*:
Beyond poverty and race
- ‘*Eco-metrics*’: New strategies for the scientific measurement and analysis of ecological settings

Typology of Social Ties and Collective Efficacy (1995) with Homicide Hot/Cold Spots (1996-8)



Blue: Weak Ties – Low CE

Red: Strong Ties – High CE

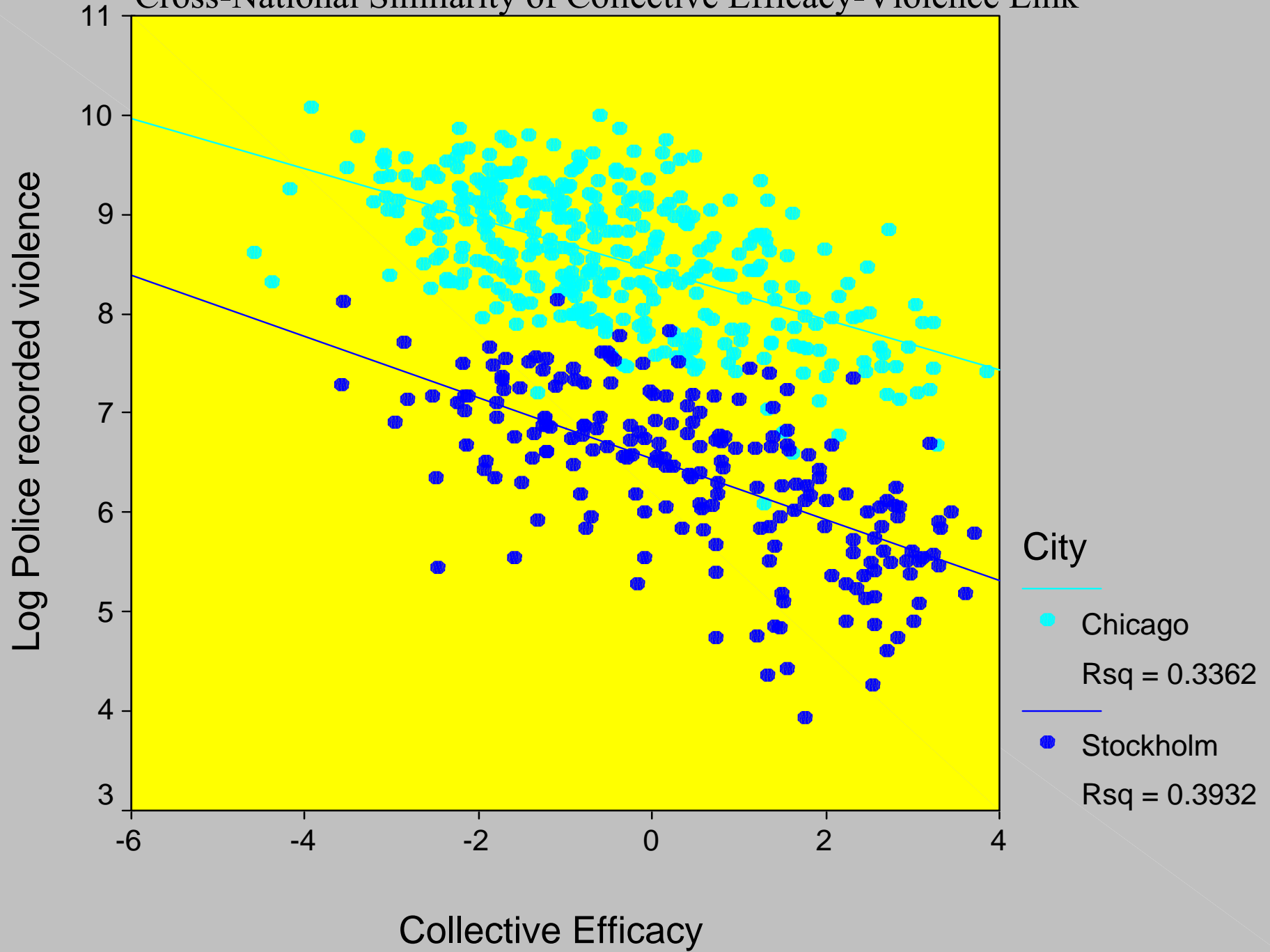
Yellow: Weak Ties – High CE

Green: Strong Ties – Low CE

Homicide Symbols:

- Black Stars: “*Hot Spots*”
- Gray Crosses: “*Cold Spots*”

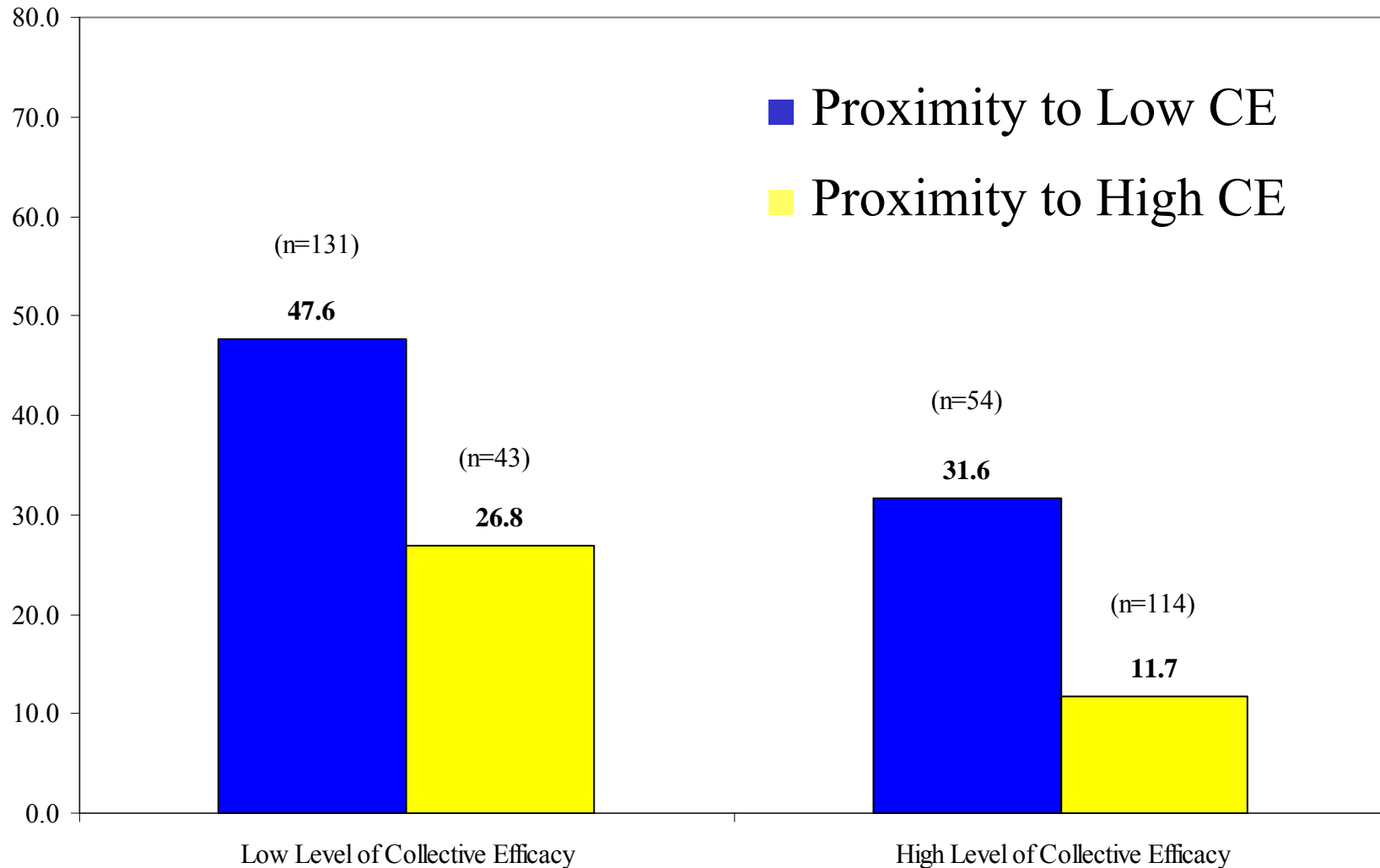
Cross-National Similarity of Collective Efficacy-Violence Link



What about a neighborhood's "neighbors"?

- *Spatial proximity* to disadvantage is one of the strongest predictors of homicide regardless of internal resources and social composition.
- African-American neighborhoods face a *double jeopardy* because they tend to be disadvantaged internally *and* spatially vulnerable (or proximate) to high-risk neighborhoods.

Spatial (Dis)Advantage: Mean Homicide Rate (Per 100,000)
by Neighborhood Collective Efficacy (CE) and Spatial Proximity



Systematic Social Observation





LICENSE
SERVICE



FAST LICENSE
SERVICE

CAMBIO DE
CHEQUES



GIROS

PAYD
LOAD

FREE
MONEY
ORDERS

1% FEE
FIRST CHECK
CASHED

ATM

NO WAIT
BOND
CASH
\$19.75



7. Which of the following are present on the block face?

(CHECK ALL THAT APPLY)

- (1) Abandoned car
- (2) Empty beer or liquor bottles in streets, yards, or alleys
- (3) Condoms on the sidewalk, in gutters, or street**
- (4) Needles, syringes, or drug-related paraphernalia on the sidewalk, in gutters, or street

THE SOCIAL STRUCTURE OF SEEING DISORDER

INDEPENDENTLY
OBSERVABLE
CONDITIONS

SOCIAL POSITION

NEIGHBORHOOD
SOCIAL STRUCTURE

PERCEIVED
DISORDER

Implicit bias;
racial stigma

Sampson, Robert J. and Stephen Raudenbush. 2004. "Seeing Disorder: Neighborhood Stigma and the Social Construction of Broken Windows." [Social Psychology Quarterly](#) 67: 319-342.

1995 and 2002 KEY INFORMANTS (KI) STUDY

Education: Public or Private School Principal; Local School Council (LSC) President

Business: Chamber of Commerce President; Community Investment Officer (banking); Realty Company Manager

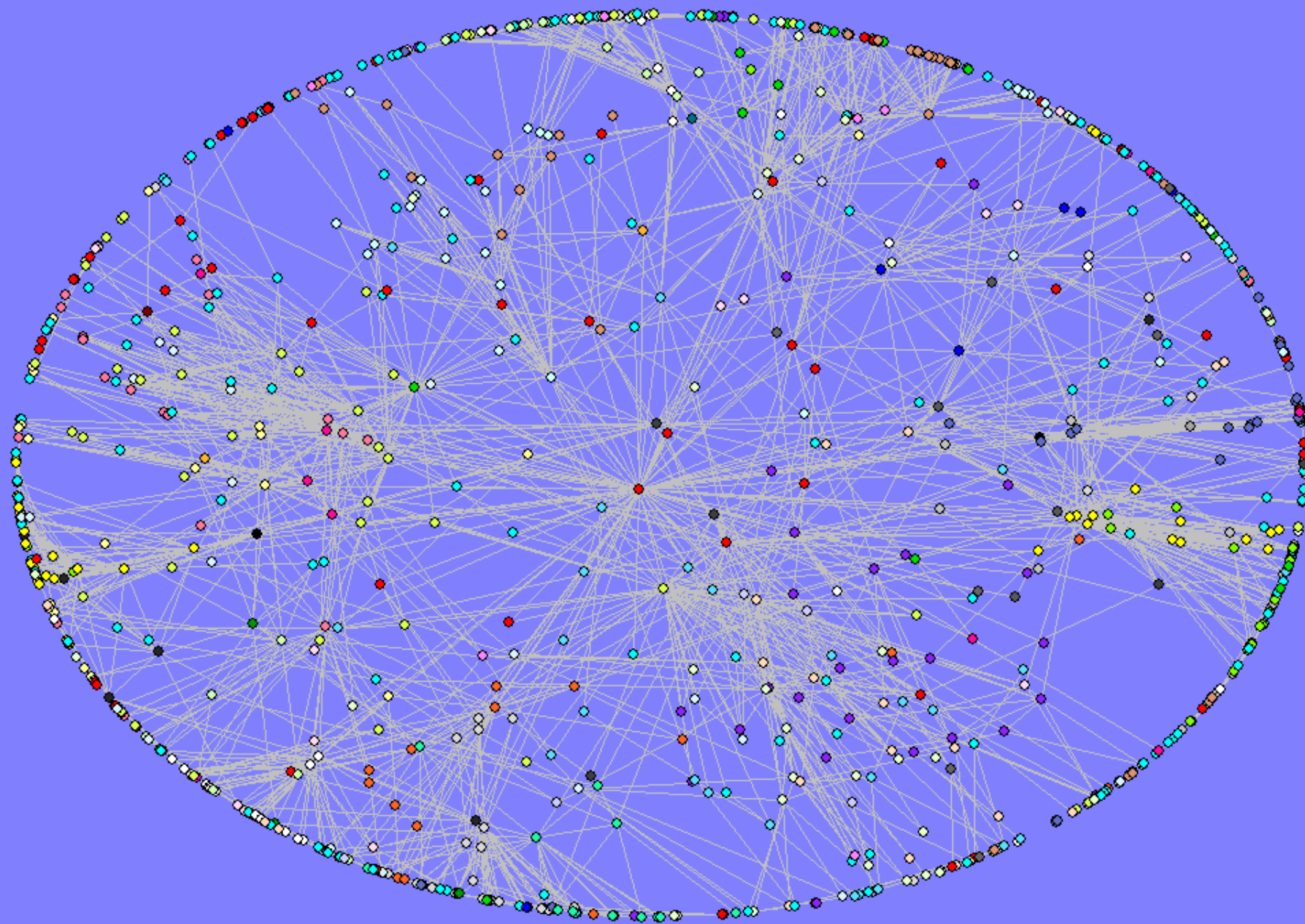
Religion: Parish Priest; Protestant Pastor; Rabbi

Law Enforcement: District Commander; Neighborhood Relations Sergeant; Community Policing Liaison

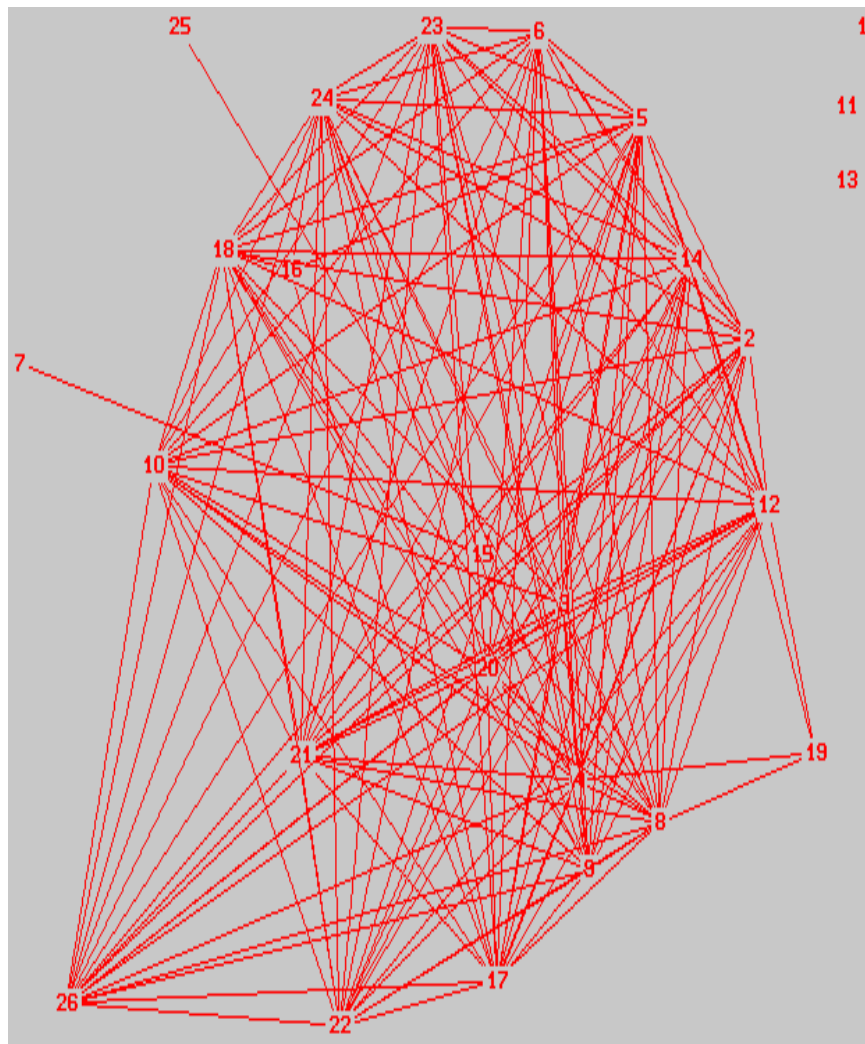
Political: Alderperson; Ward Committee Leader; State Representative; State Senator

Community Organization: Community Development Corporation Director; Youth Agency Director

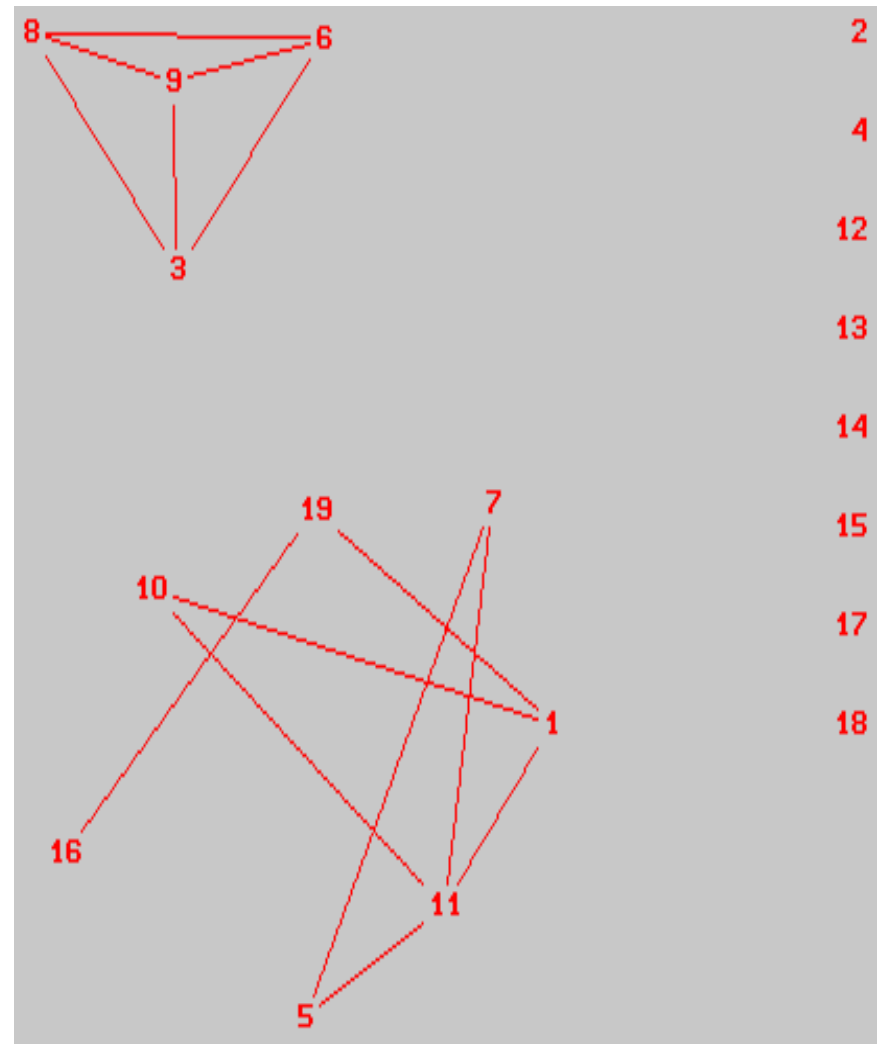
Structure of Bridging Ties: Chicago Leaders, 2002



Network Structure of Leadership Ties in Two Chicago Communities: Cohesion versus Cliques and Isolates

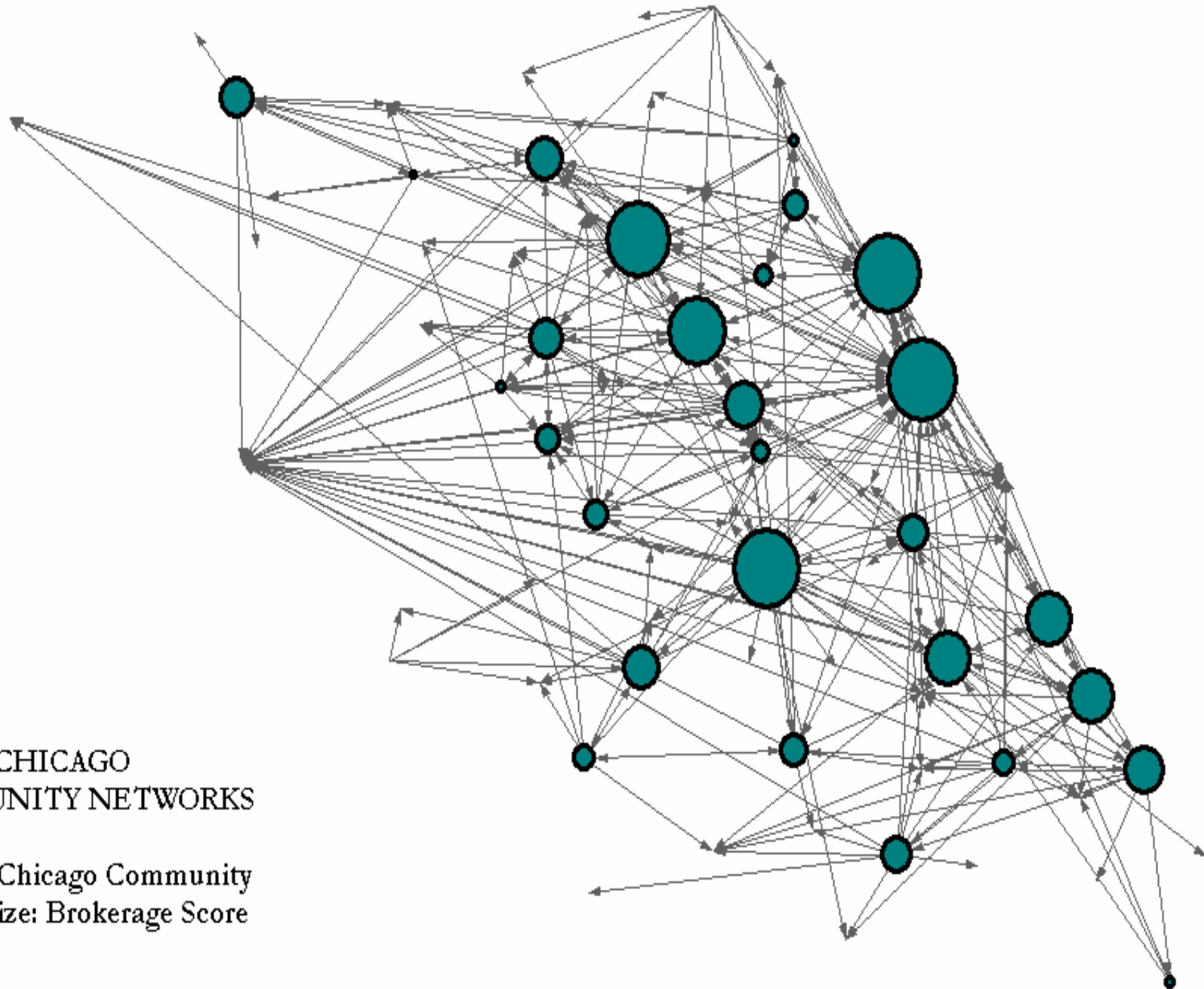


“A”



“B”

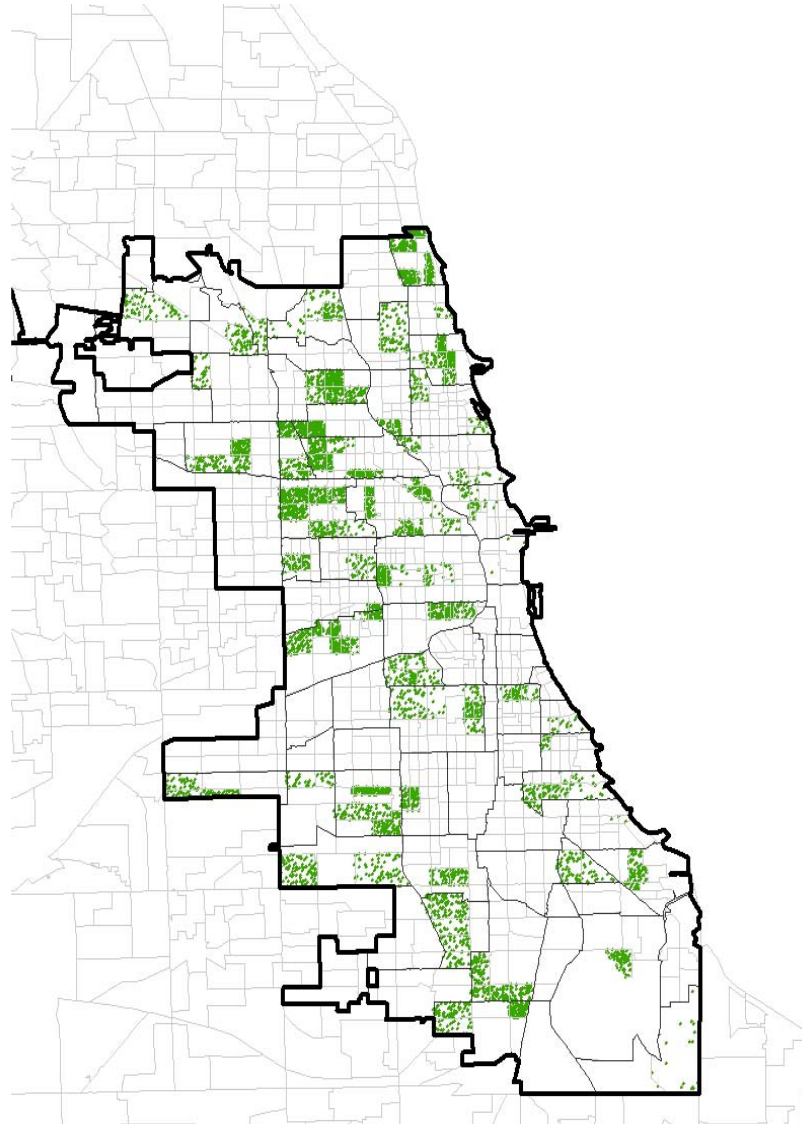
Spatial and Network Structure of City-Wide Bridging Ties



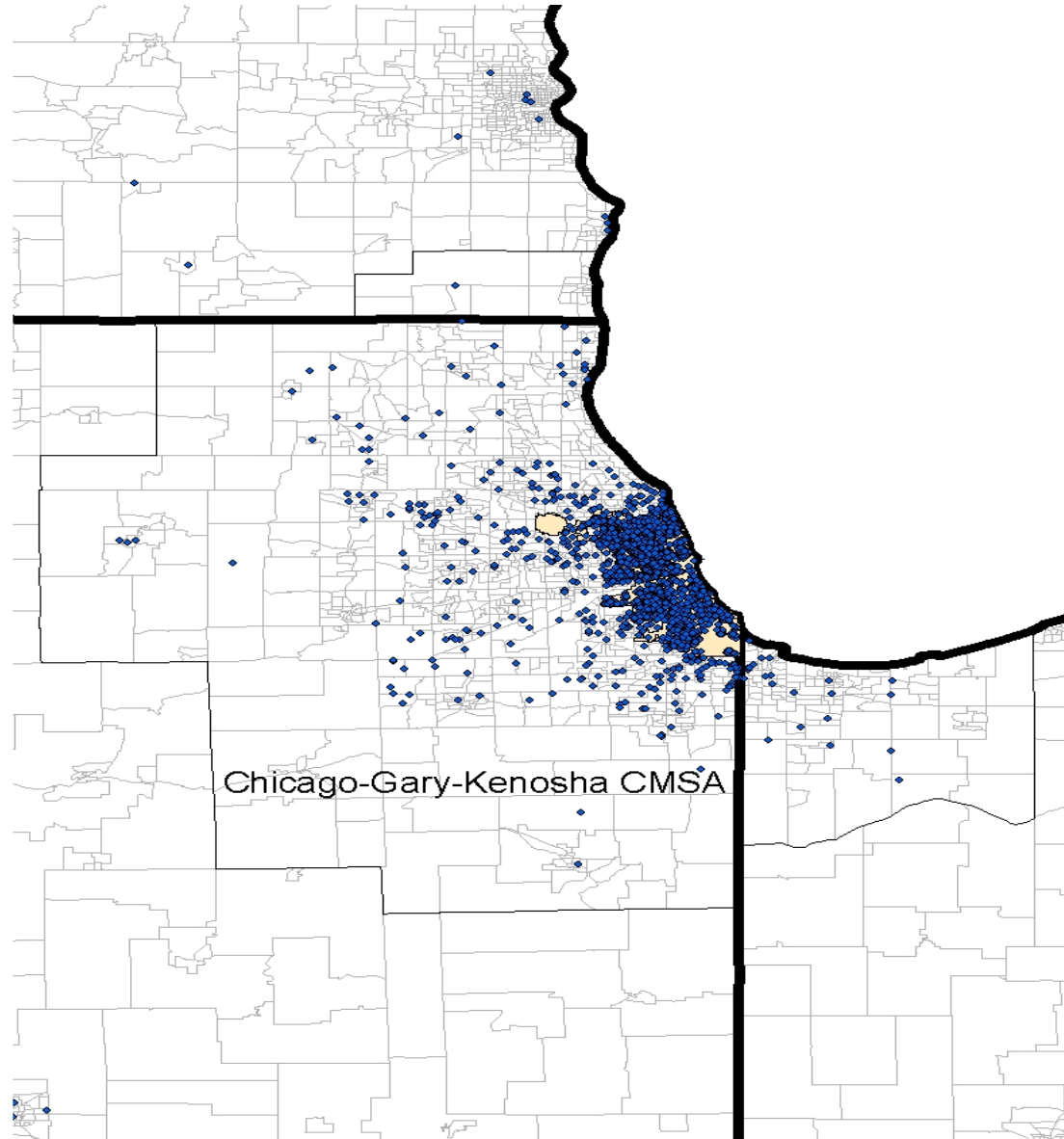
KI 2002 CHICAGO
COMMUNITY NETWORKS

Vertex : Chicago Community
Vertex Size: Brokerage Score

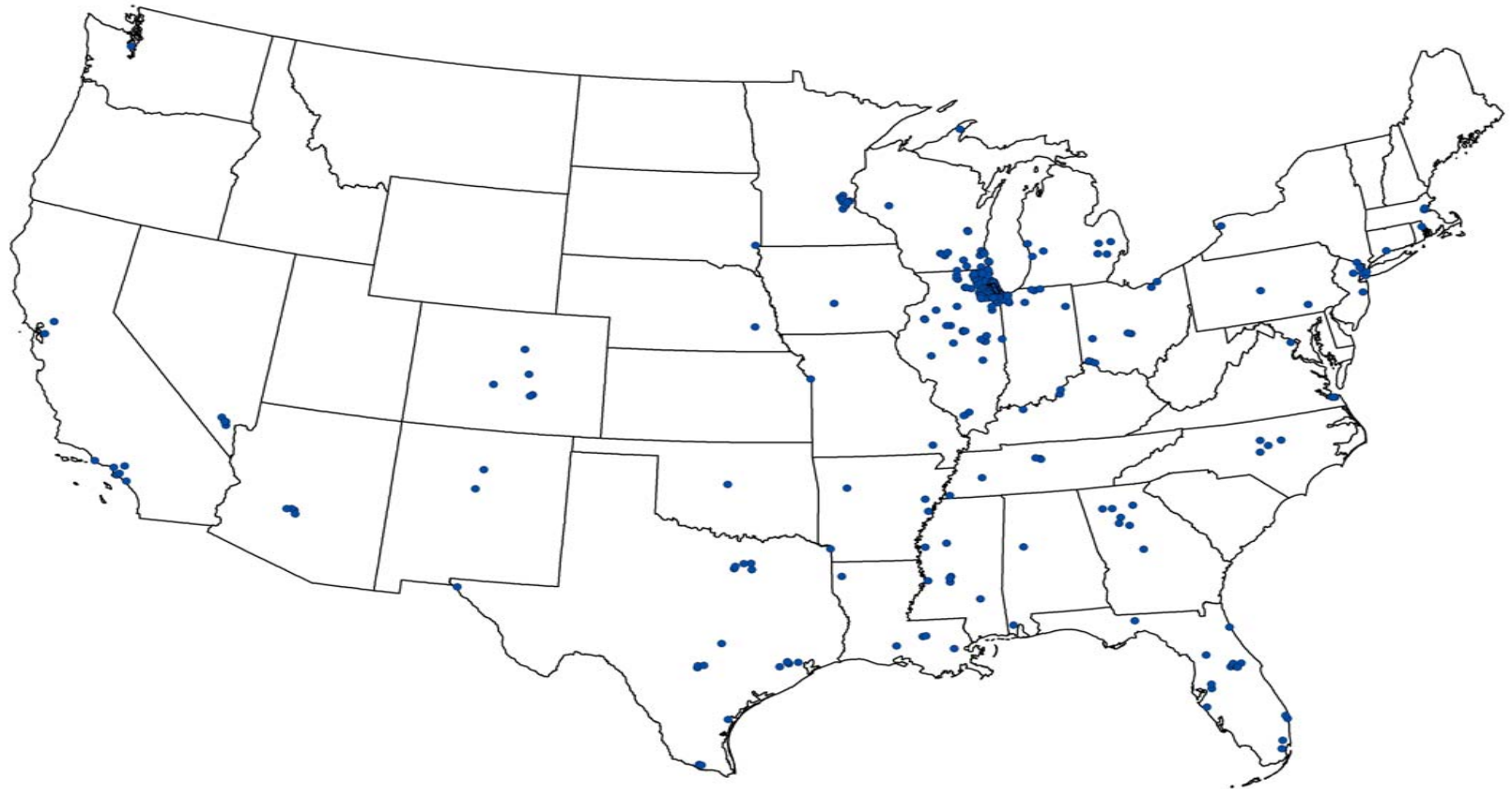
Linking Individual Trajectories With Space-Time Dynamics: PHDCN Wave 1 Sample Location



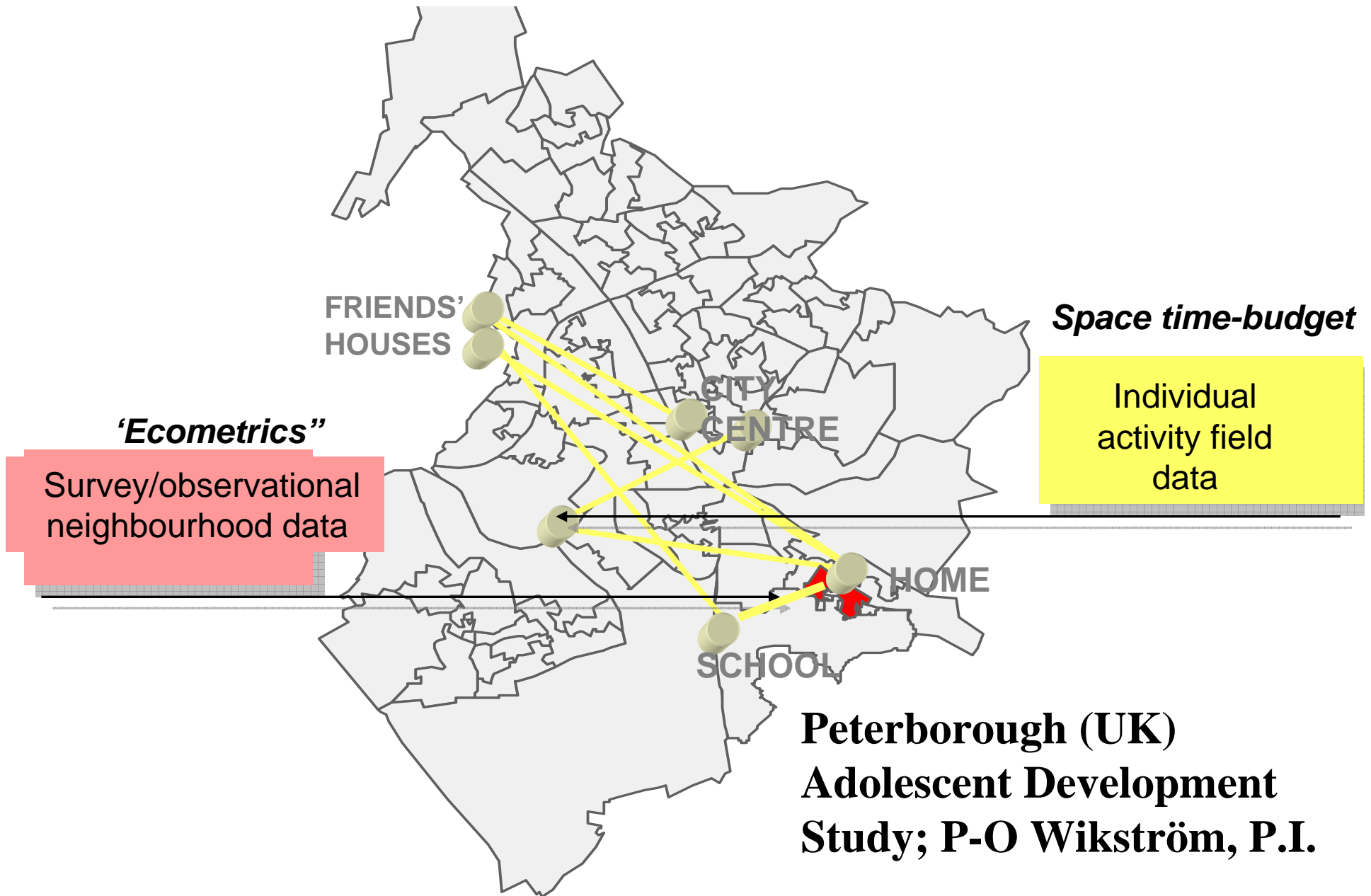
PHDCN: Wave 3 Sample Mobility (Chicago Boundaries in Yellow)



PHDCN: Wave 3 National Mobility



Integrating Environment and Activity Fields



Activity in space-time budget

Time	Geo Location	Place	Activity	Socialisation	Alcohol/ Drug Use	Risk	Fear	Victim	Weapon	Offend	Truancy
6	NK08	Home	Sleeping	Siblings+Pare	No	No	No	No	No	No	No
7	NK08	Home	Sleeping	Siblings+Pare	No	No	No	No	No	No	No
8	NK08	Home	Breakfast	Siblings+Pare	No	No	No	No	No	No	No
9	NP01	School	Studying	Guardian	No	No	No	No	No	No	No
10	NP01	School	Studying	Guardian	No	No	No	No	No	No	No
11	NP01	School	Studying	Guardian	No	No	No	No	No	No	No
12	NP01	School	Studying	Guardian	No	No	No	No	No	No	No
13	NP01	School	Studying	Guardian	No	No	No	No	No	No	No
14	NP01	School	Studying	Guardian	No	No	No	No	No	No	No
15	NP01	School	Studying	Guardian	No	No	No	No	No	No	No
16	NK08	Home	TV watch	Siblings	No	No	No	No	No	No	No
17	NK08	Home	TV watch	Siblings	No	No	No	No	No	No	No
18	NK08	Home	Dinner	Siblings	No	No	No	No	No	No	No
19	NC07	Friend	Homework	peer	No	No	No	No	No	No	No
20	NC07	Friend	PlayingPC	peer	No	No	No	No	No	No	No
21	NC07	Friend	Talking	peer	No	No	No	No	No	No	No
22	NK08	Home	Sleeping	Siblings+Pare	No	Yes	No	No	No	No	No
23	NK08	Home	Sleeping	Siblings+Pare	No	Yes	No	No	No	No	No
24	NK08	Home	Sleeping	Siblings+Pare	No	No	No	No	No	No	No
1	NK08	Home	Sleeping	Siblings+Pare	No	No	No	No	No	No	No
2	NK08	Home	Sleeping	Siblings+Pare	No	No	No	No	No	No	No
3	NK08	Home	Sleeping	Siblings+Pare	No	No	No	No	No	No	No
4	NK08	Home	Sleeping	Siblings+Pare	No	No	No	No	No	No	No
5	NK08	Home	Sleeping	Siblings+Pare	No	No	No	No	No	No	No

Interview code _____

Home Output Area code _____

Date of interview _____

School Output Area code _____

Day of the week _____

Activity patterns connect neighborhoods and social fields

