

Safeplaces Network Seminar Series









Risky Facilities

Bars













Bakeries

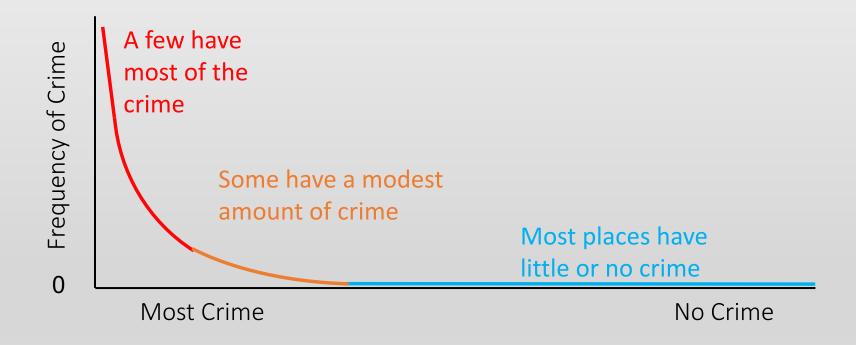
Bookstores







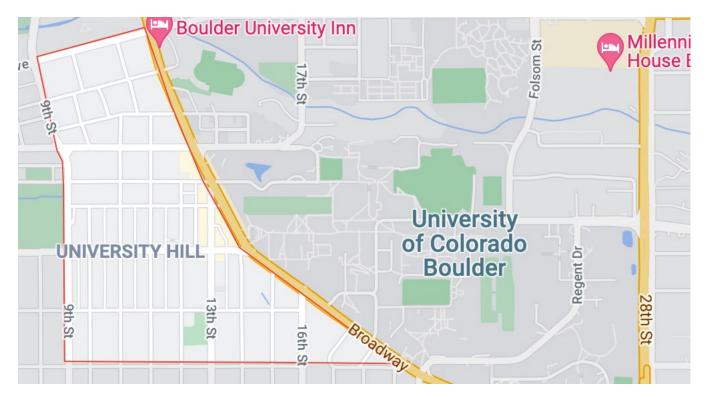
Risky Facilities Crime Across Homogeneous Sets of Places



Iron Law of Troublesome Places

Eck & Wilcox





University Hill

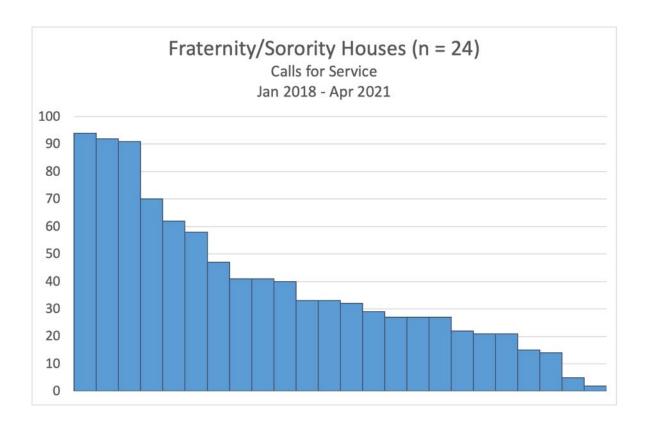
Boulder, CO USA – Student Housing

*SPECIAL THANKS TO JULIE WARTELL

1,539 rental properties

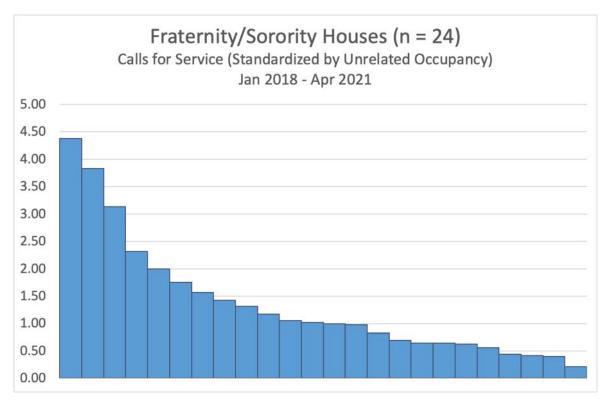
January 2018-April 2021

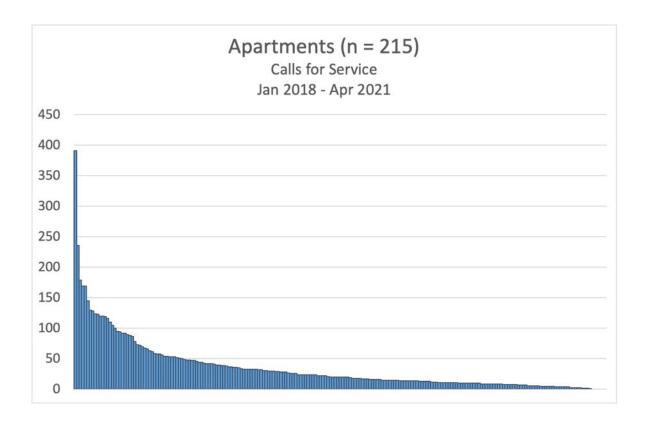
18,415 calls for police service



The top 20% account for 43.3% of calls for service for this housing type.

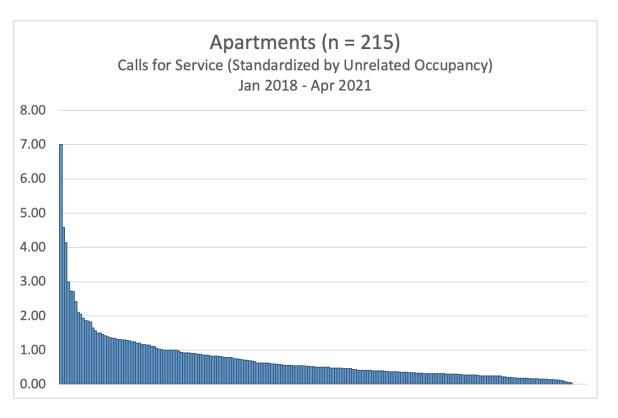
There were 944 calls for service to 24 Fraternity/Sorority Houses.

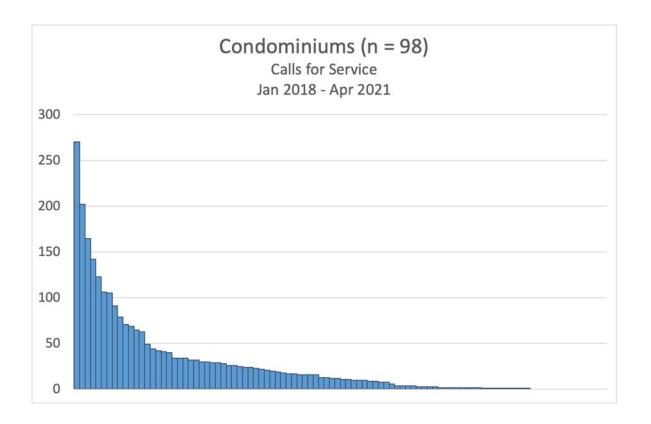




The top 20% account for 57.5% of calls for service for this housing type.

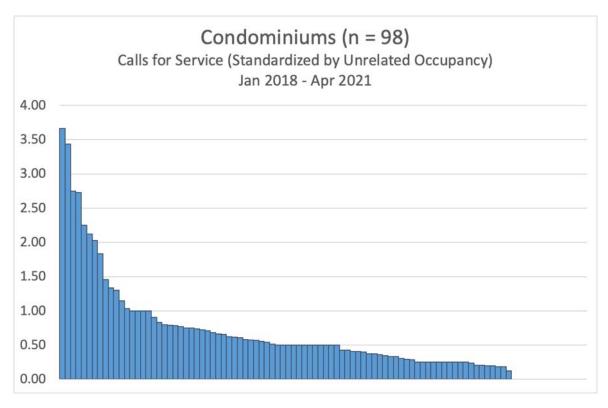
There were 7,522 calls for service to 215 Apartment Complexes.

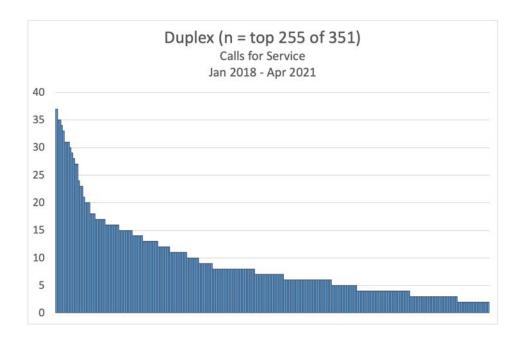


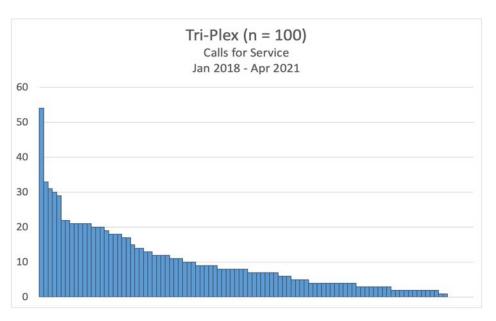


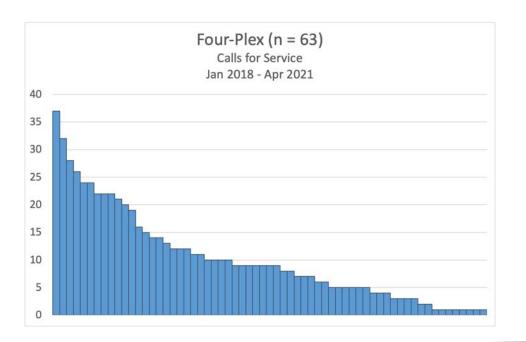
The top 20% account for 70.0% of calls for service for this housing type.

There were 2,620 calls for service to 98 Condominiums.



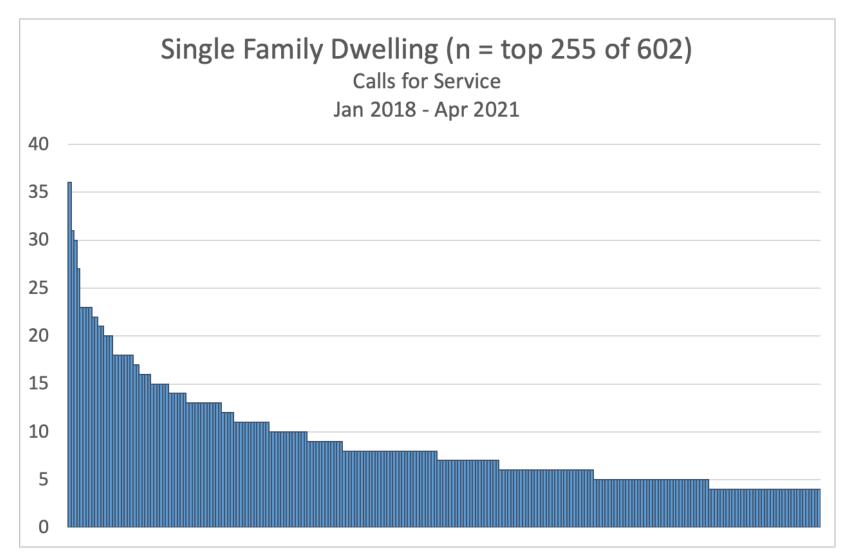






There were 4,004 calls for service to 514 Du/Tri/Four Complexes.

The top 20% account for 52.0% of calls for service for this housing type.



There were 2,811 calls for service to 602 Single Family Dwellings.

The top 20% account for 55.4% of calls for service for this housing type.



Place Management

O.R.C.A.



Organization of Space



Regulation of Conduct



Control of Access



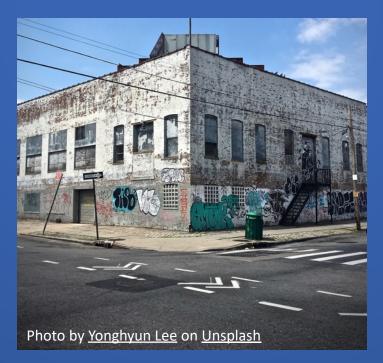
Acquisition of Resources

Non-traditional "Facilities"













Public Spaces

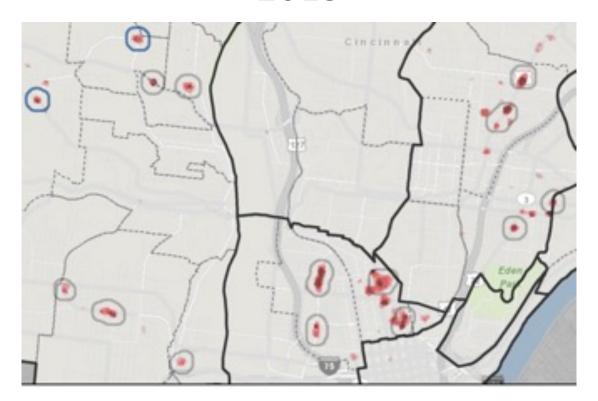
5 Pressing Questions About Risky Facilities

- How does serious crime concentrate in public spaces?
- 2. Why do crimes "stick" to certain locations?
- 3. Why are offenders attracted to specific clusters of risky facilities?
- 4. What are some implications for theory and research?
- 5. What are some implications for "fair and equitable" policing?



How does serious crime concentrate in public spaces?

Cincinnati, OH 2015



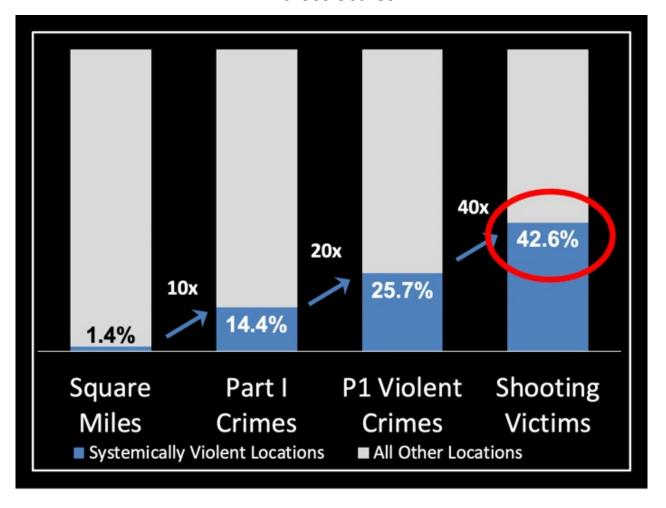
Gun Violence 23 Micro-Locations

- Crime is concentrated across places, offenders, victims
 - 80-20 Rule

 Most violent crime, across any city, occurs in small, identifiable micro-locations.

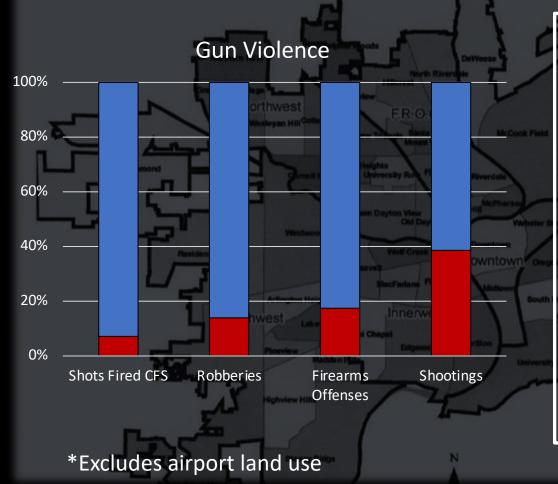
Law of Crime Concentration

Across Scales

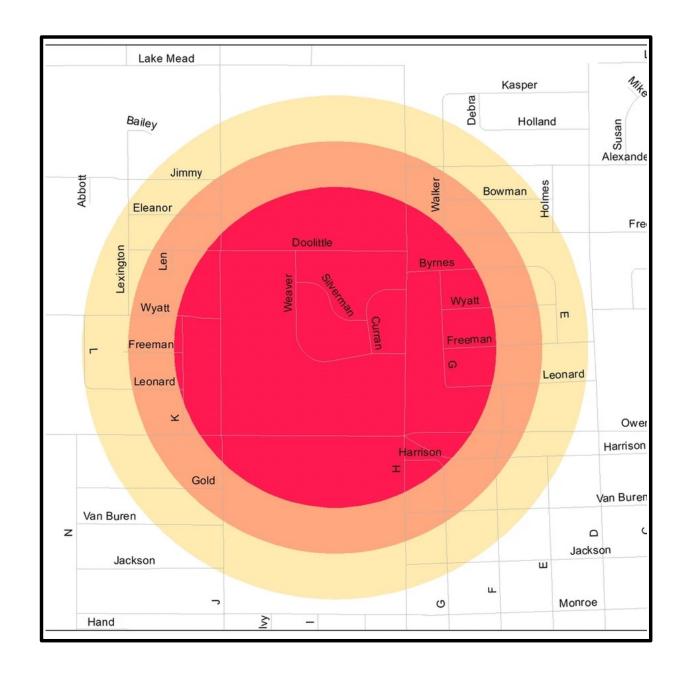


Violence Concentration in Dayton

1.3% of Dayton's total land mass (<0.7 sq mi)*:

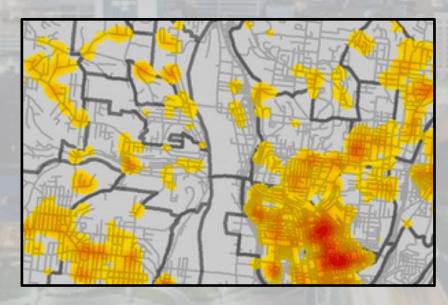


- 7.1% of shots fired calls-for-service
- 13.9% of robberies
- <u>17.2%</u> of firearms offenses
- 38.6% of shootings



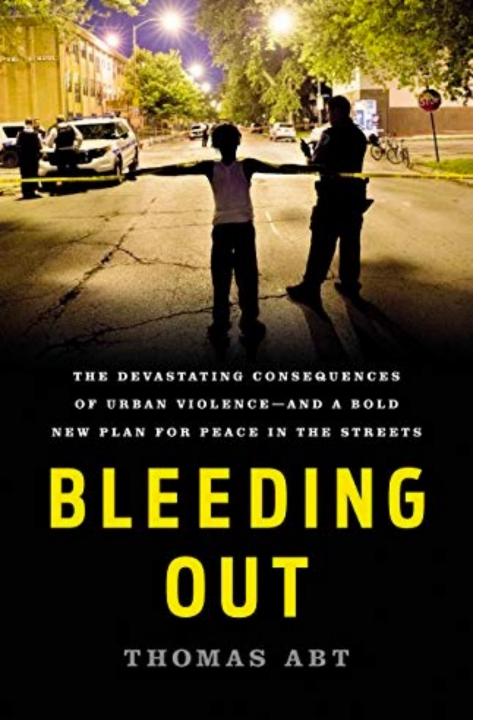
Why do crimes "stick" to certain locations?

Why do the same places remain "hot" over time?



Hotspots

Persistent - Durable - Systemic - Historical



What makes violence "stick" in particular places?

• Offenders and victims are networked.

Our hypothesis:

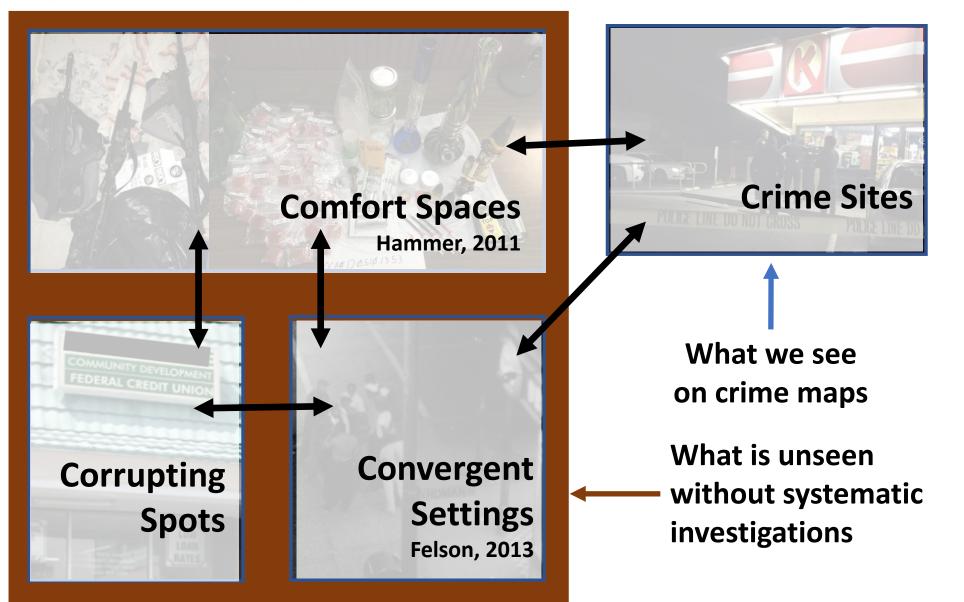
 Persistent crime hotspots result from overlapping offender/victim AND <u>crime place</u> networks.

Organization of Crime Places



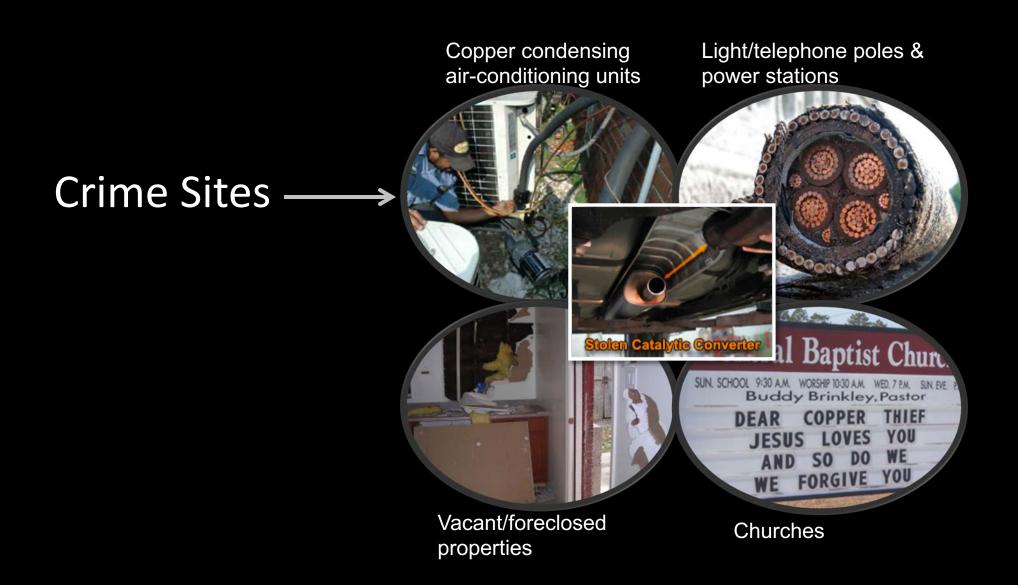
4 Types of Crime Places

(Madensen & Eck, 2013)



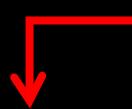
Crime
Places are
Networked

Crime Places and Copper Theft



Crime Places and Copper Theft

What we see



Crime Sites



What we don't see

Comfort Space



Staging location where offenders park & meet close to crime sites



Recycling Plant



extra cash and removal of your recycle items - \$1 (valley wide pick up)

Date: 2011-10-03, 10:13AM PDT Reply to: see below (Mroon whom rechange to able

i will buy and haul off your unwanted junk such as any metal and recycle items, batterys, old car parts, cans please call 702

craigslist



Comfort Space



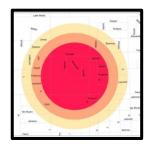
Supplying location where metal is stored

Crime Hotspot Map

□ Crime Sites □ Comfort Spaces □ Convergent Settings □ Corrupting Spots



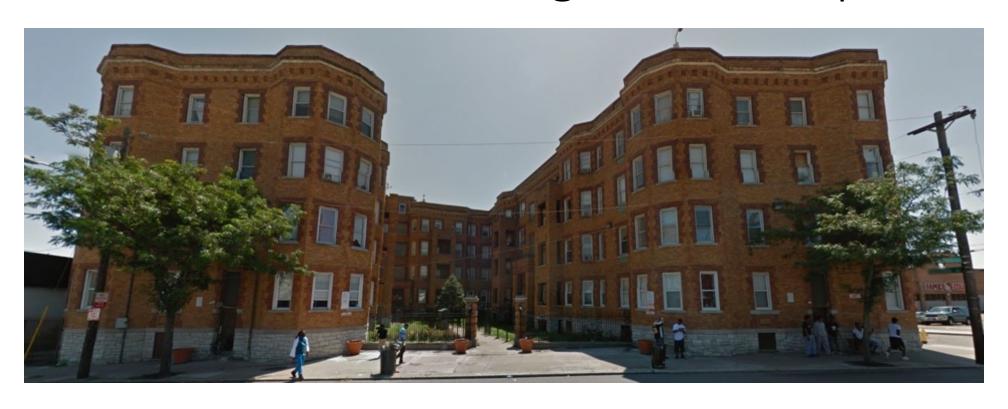
Why are offenders attracted to specific clusters of risky facilities?



A Day in the Life...

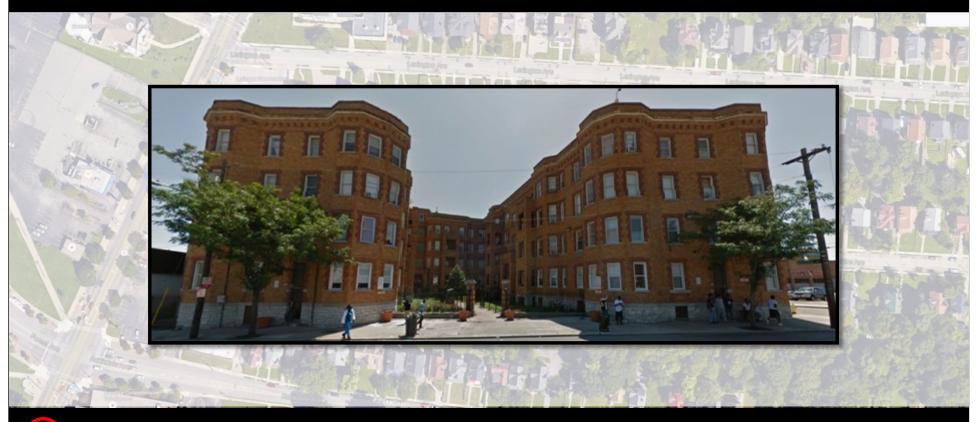
• Leave apartment • Observe site • Pick-up product • Distribute product • Distribute product • Pick-up product 10 Money drop-off Obtain weapons 11 Hang out/eat Dog fighting/gambling 12 Distribute product Retaliatory shooting 13 Avoid police patrol • Seek shelter 14

Place-Based Investigation Example



Poinciana Apartments 3522 Reading Road





Crime Site – Most violent proprietary location in Avondale neighborhood



- Crime Site Most violent proprietary location in Avondale neighborhood
- Convergent Settings Lincoln Statue, Lexington Supermarket



- Crime Site Most violent proprietary location in Avondale neighborhood
- Convergent Settings Lincoln Statue, Lexington Supermarket
- Comfort Spaces Specific apt. units, Nearby residences



- Crime Site Most violent proprietary location in Avondale neighborhood
- Convergent Settings Lincoln Statue, Lexington Supermarket
- Comfort Spaces Specific apt. units, Nearby residences
- Corrupting Spots Nearby businesses (some facilitators)

A Day in the Life...At Places

 Leave apartment • Pick-up product • Distribute product Money drop-off Hang out/eat • Distribute product Avoid police patrol



• Observe site

• Distribute product

• Pick-up product

Obtain weapons

Dog fighting/gambling

• Retaliatory shooting

Seek shelter

Crime Site

Convergent Settings

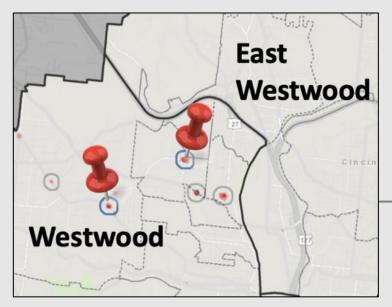
Comfort Spaces

Corrupting Spots

What are some implications for theory and research?

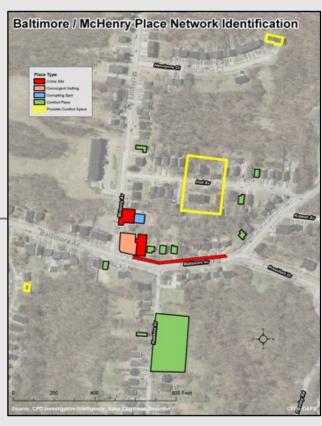


Place Network Investigations



Cincinnati, Ohio





Questions Unanswered: Research

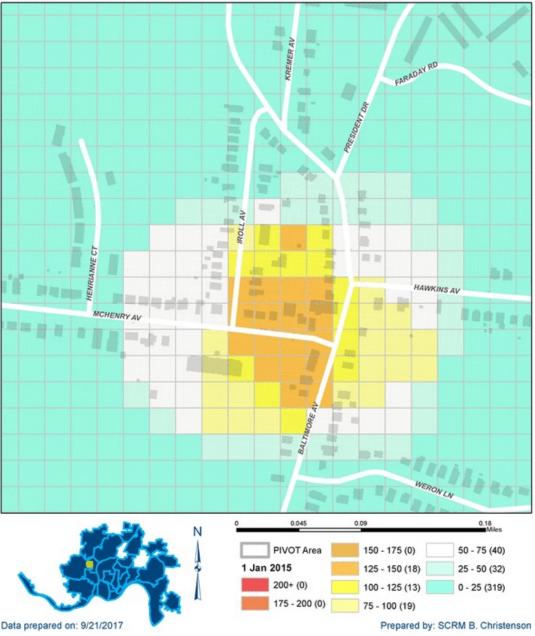
- Are there commonalities among crime place networks?
- Is geographic profiling possible?
- How does the Iron Law of Troublesome Places apply to "hidden" crime place network locations?



Baltimore/McHenry Violence Scores January 1, 2015



iolence Score is a composite metric derived from shootings, robberies, gun offenses, and weapon-related calls-for-service



Site #1: East Westwood

Overall Trends

Rest of city = **- 8.7**% E. Westwood = **- 88.9**%

Weighted Displacement

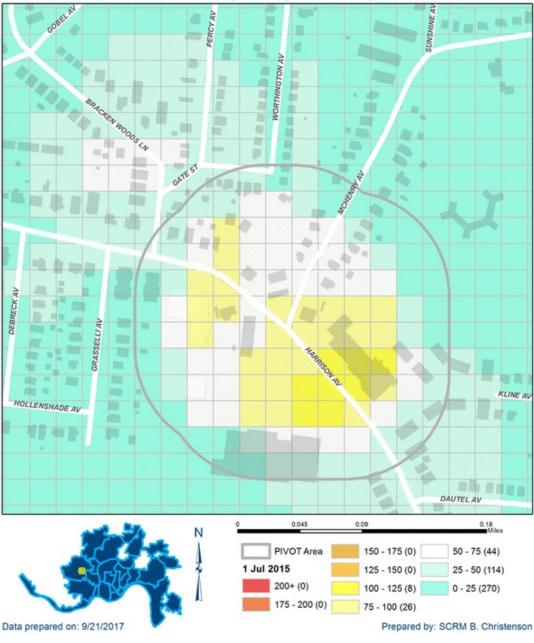
Quotient = -0.139

Target area improved; slight increase in the buffer area

Harrison/McHenry Violence Scores July 1, 2015



Violence Score is a composite metric derived from shootings, robberies, gun offenses, and weapon-related calls-for-servi



Site #2: Westwood

Overall Trends

Rest of city = - **7.9**%

Westwood = - **71.4%**

Weighted Displacement

Quotient = 0.811

Buffer area improved; strong evidence of diffusion of benefits

Questions Unanswered: Research & Theory

- Why, if we use place network investigations to secure crime locations, is crime less likely to displace geographically?
- What factors make diffusion of benefits more likely?
- How do offenders adapt to the removal of crime place networks?

What are some implications for "fair and equitable" policing?



Enforcement in Historically Violent Crime Sites

- Drives down crime (momentarily)
- Generates large numbers of (costly) arrests
- Leaves the rest of the criminogenic place infrastructure intact
- If aggressive and sustained, damages police-community relations
- Continually places officers at-risk for injury and negative public interactions
- Over time, creates substantial racial disparities in justice-related outcomes



Dynamics of Opportunistic Violence

Poor Place Management

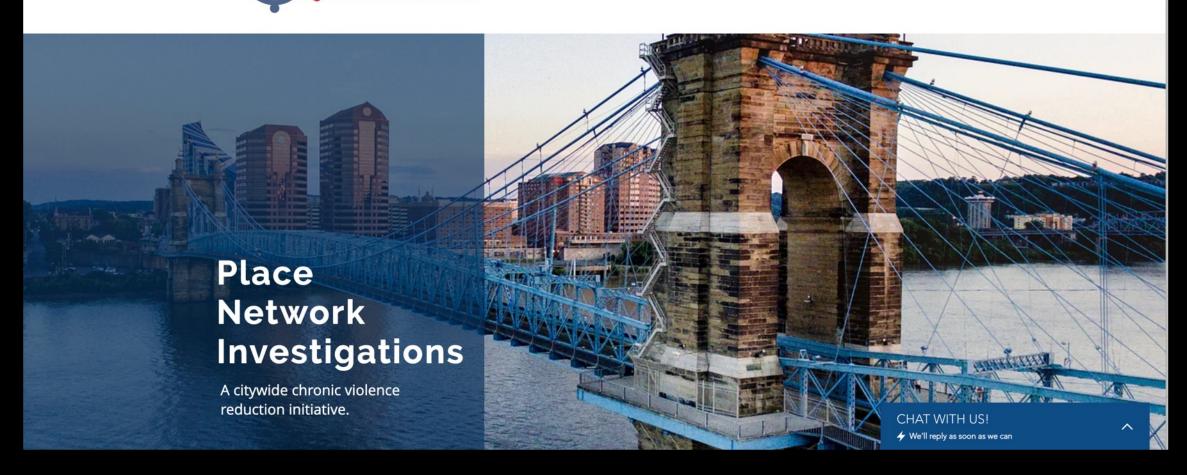
Illegal dice games • Unsecured dumpster	Fire department
Accessible illegal guns Unkept grass, Abandoned property	Buildings/Inspections
Non-resident Vehicles as Barricades Lack of parking restrictions	Traffic/Engineering
Loitering/Intimidation • Unmanaged parking lots	City Solicitor



Questions Unanswered: Practical Implications

- What types of crime place networks are best addressed by Holistic Governance Public Safety Models?
- What level of supplemental enforcement is necessary at risky facilities?
- Will racial (and other)
 disparities increase,
 decrease, or remain the
 same?





www.placenetworkinvestigations.com