

Hot Spots, Dens of Iniquity and

Risky Facilities,

or

Why Do So Many Bad Things Happen at a Few Places

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They are among the Top 10 Call Locations for Cincinnati, 2003

- 1. University Hospital 824 calls
- 2. Corry St. Shopping Ctr 734 calls
- 3. Drop-In Center 532 calls
- 4. W. Liberty Gas Station 429 calls
- 5. Alms Apartments 419 calls
- 6. Westwood Apt Complex 347 calls
- 7. Westwood Apt Complex 296 calls
- 8. Greyhound Bus Station 288 calls
- 9. Kenard Ave. Grocery Store 268 calls
- 10. Childrens Hospital 250 calls

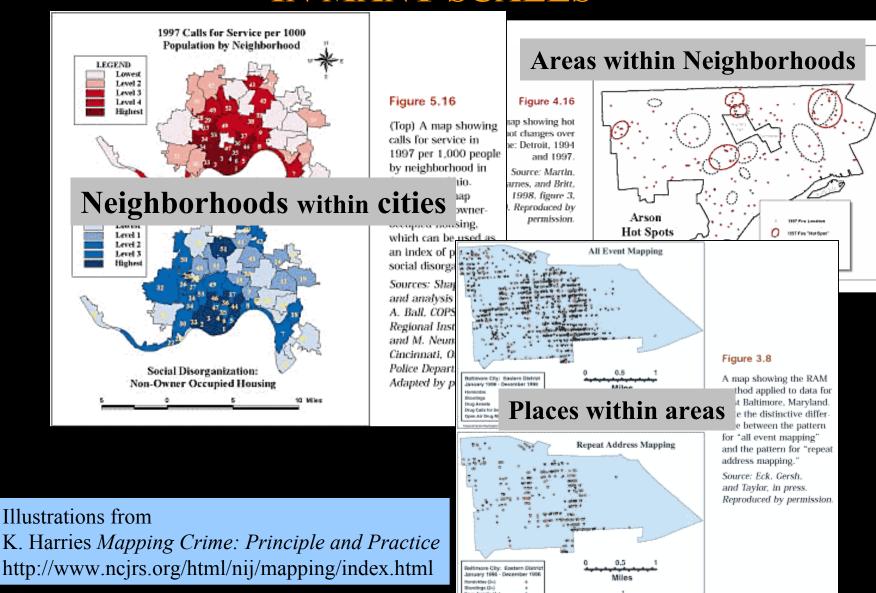
OVERVIEW

- Problem
- 80-20 rule
- Theories
- Responding

PROBLEM

- Crime & Disorder are concentrated
- Concentration at places
- Why would some places be worse than others?
- Concept confusion (Is this just another hot spot lecture?)

"HOT SPOT" COVERS A MULTITUDE OF SINS IN MANY SCALES



up Calls for Service 15-0

DENS ARE HOT PLACES

Watch on pubs, clubs to find crime hot spots

By Chee Chee Leung, Xavier La Canna January 5, 2004



http://www.theage.com.au/articles/2004/01/04/1073151212371.html

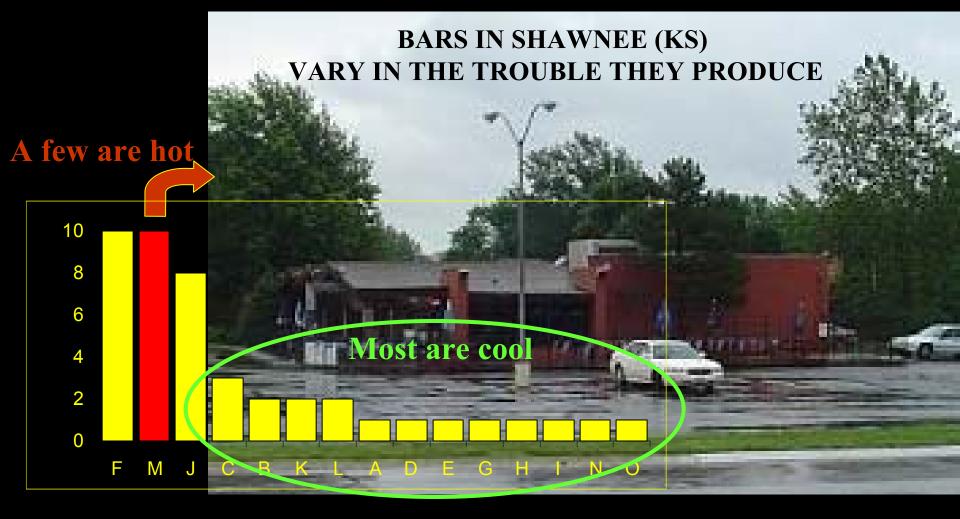
Alcohol-related crime in Melbourne's inner suburbs could be traced to specific venues, with a pilot program to identify problem areas and operators.

While the \$110,000, one-year pilot program operates, hospitals will be encouraged to electronically transfer information to police when a patient is admitted after an incident in a nightclub precinct, to be investigated when police identify a pattern emerging from particular hotels or nightclubs.





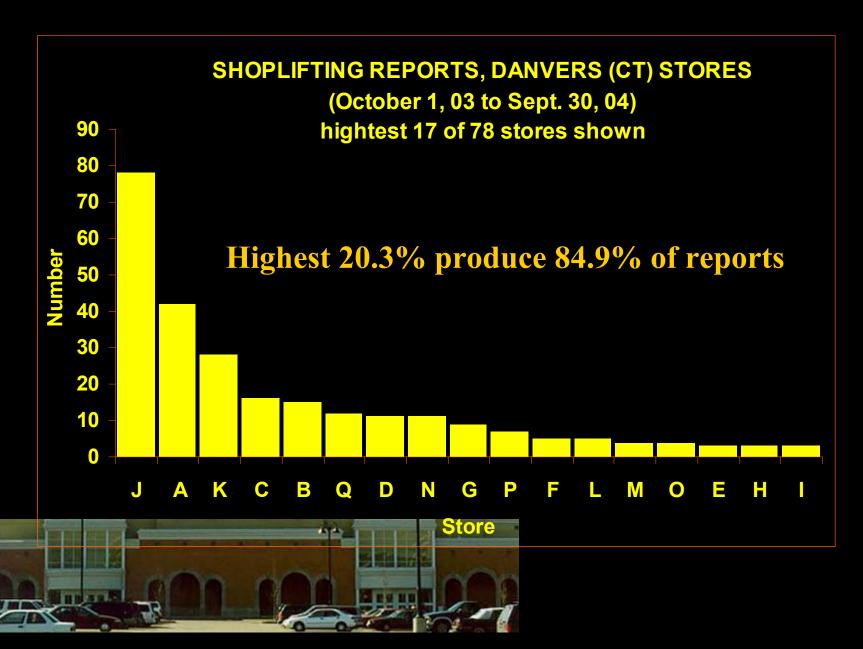
RISKY FACILITY ANALYSIS FOCUS ON A SINGLE TYPE OF PLACE



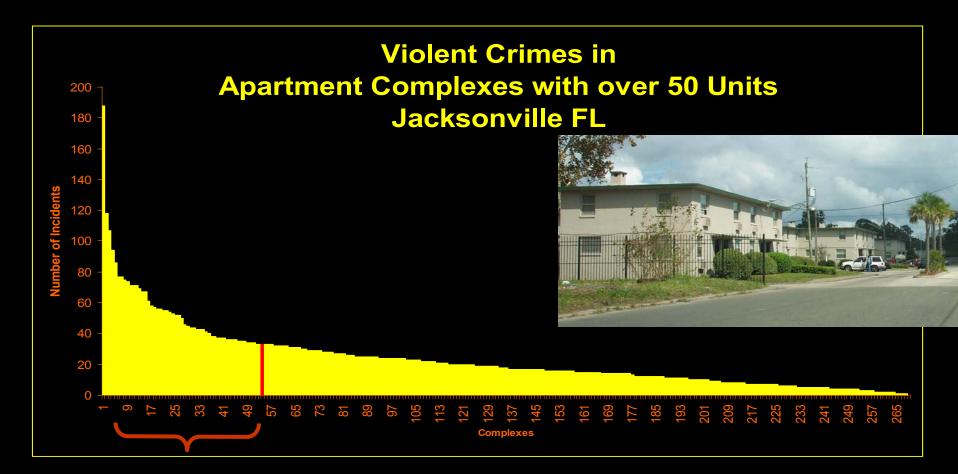
80/20 RULE

- Applies to ANY Facility
- Seldom Exactly 80-20
- Most Facilities Are Cold A Few Are Hot
- Most Bad Things Happen In A Few Facilities – Regardless Type
- This Is A Law of Thumb

Worst 20% (3) of the bars account for 62% of reports



Thanks to Christopher Bruce, Danvers PD

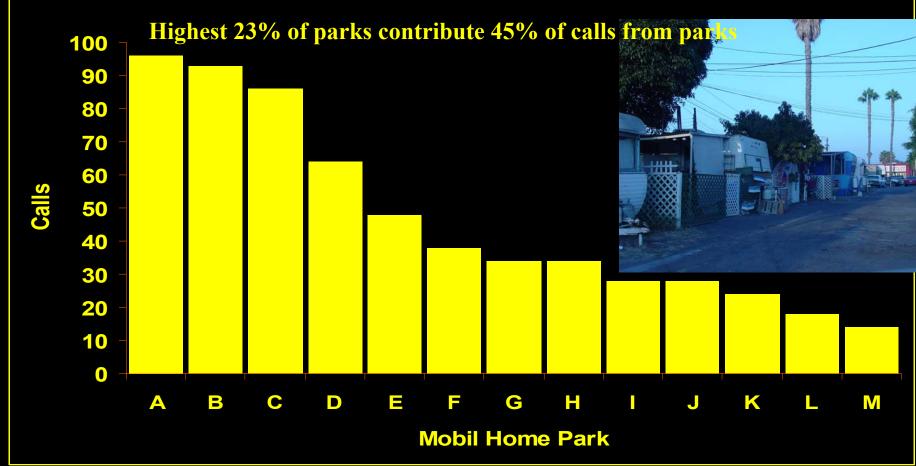


Most violent 20% account for 48% of incidents



Thanks to Stacy Belledin, Jacksonville-Duval SD

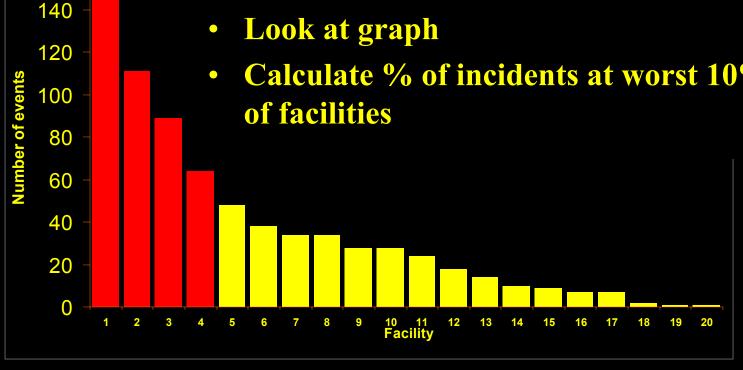




Thanks to Karin Schmerler and Aaron Anderson, Chula Vista PD

SCANNING FOR RISKY FACILITIES

- Select a facility type important to your agency
- Get a list of everyone of them, with their addresses
- Match incidents to their addresses
- Rank facilities from worst to best
- Calculate % of incidents at worst 10% or 20%



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THEORIES OF CAUSES

- RANDOM VARIATION
- REPORTING
- MANY TARGETS/USERS
 - Crime generators*
- LOTS OF OFFENDERS
 - Crime attractors*
- POOR MANAGEMENT
 - Crime enablers**

RANDOM VARIATION

- Possible to get concentration in a few places by some fluke of randomness
- Most likely when
 - Few locations
 - Number of events is low
 - Time period examined is short
 - Concentration is low
- Unlikely in most cases
 - Statistical tests available
 - If persistently hot over time, probably not random

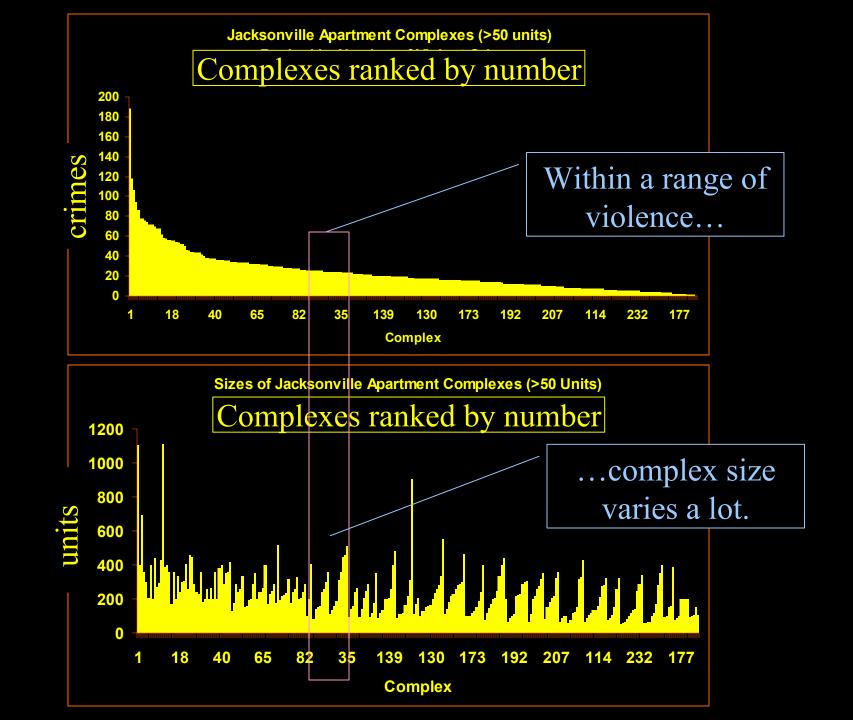
REPORTING

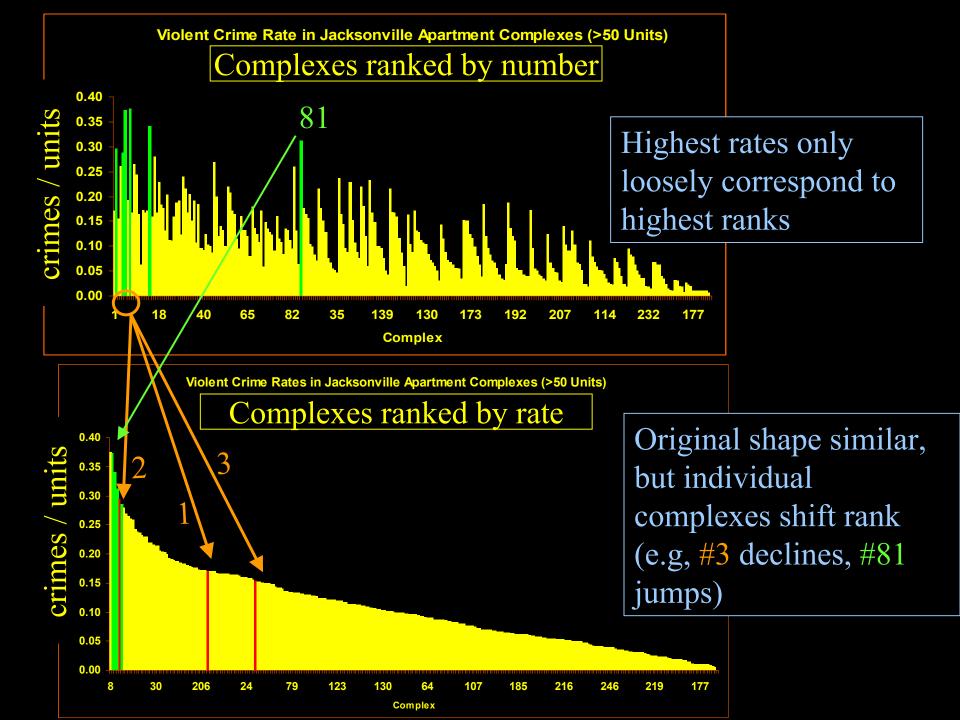
- Facilities are hot because of organizational reporting behavior, not crimes per se
- Organization controls reporting
 - Shoplifting
 - Thefts from hospital patients
 - Minor assaults in homeless shelters
 - Police arrest statistics
 - etc.
- Less likely when victims can report directly

MANY TARGETS* (crime generators)

- Bigger facilities have more targets
- More targets mean more crime
- Testable by examining risk events/size
- Watch for two things
 - Change in shape of graph
 - Change in position of facilities on graph

^{*} AKA the "Size Matters Thesis"





NOTE THE FAMILIAR SHAPE



Size is measured by number of rooms.

But there may be other measures you could use.

DOES SIZE MATTER?

- Hard to tell often difficult to get size data!
 - Consistent records often unavailable
 - Measures are often less than ideal
- Size is often over rated seldom entire story
 - Compare graphs of numbers and rates
- Which to target high numbers or rates?
 - to reduce incidents and workload, number
 - to reduce risk, rate





LOTS OF OFFENDERS* (crime attractors)

- Common explanation
- Hard to verify
 - Many offenders, or
 - Few very active offenders



- Probably part of all risky facility problems
- Why do offenders come to these places?



POOR MANAGEMENT (crime enablers)

- Owners & employees fail to regulate behavior
- Reduces protection to targets
- Enables offenders
- Common examples include
 - Persistent drug dealing places
 - Violent drinking places
 - Student rental housing
 - Abandoned buildings





WHAT IS POOR MANAGEMENT? The role of enablers.

Make offending less risky through lax guardianship

Do little to reduce rewards for offending

- Reduce effort for offending
- Allow excuses for misbehavior

Provide provocations for misbehavior

RESPONDING

- Randomness ignore it (it will go away by itself)
- **Reporting** create consistent reporting across facilities (to get better picture)
- Size work on biggest contributors to workload
- Offenders work on attractive features
- Management address ownership of problem