

Tailoring Crime Analysis Approaches to Public Health Outcomes

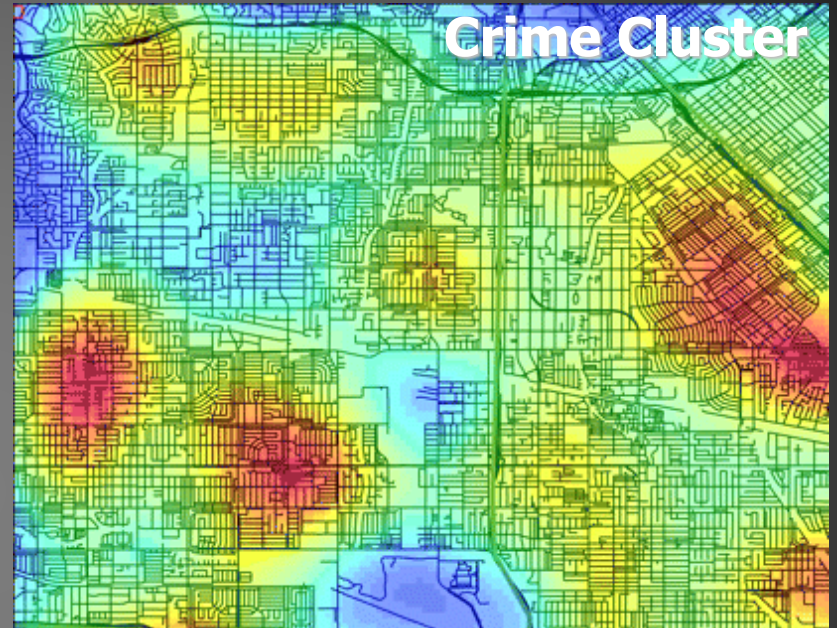
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Presentation for
National Dialogues on Behavioral Health

2016

A Worm's Eye View



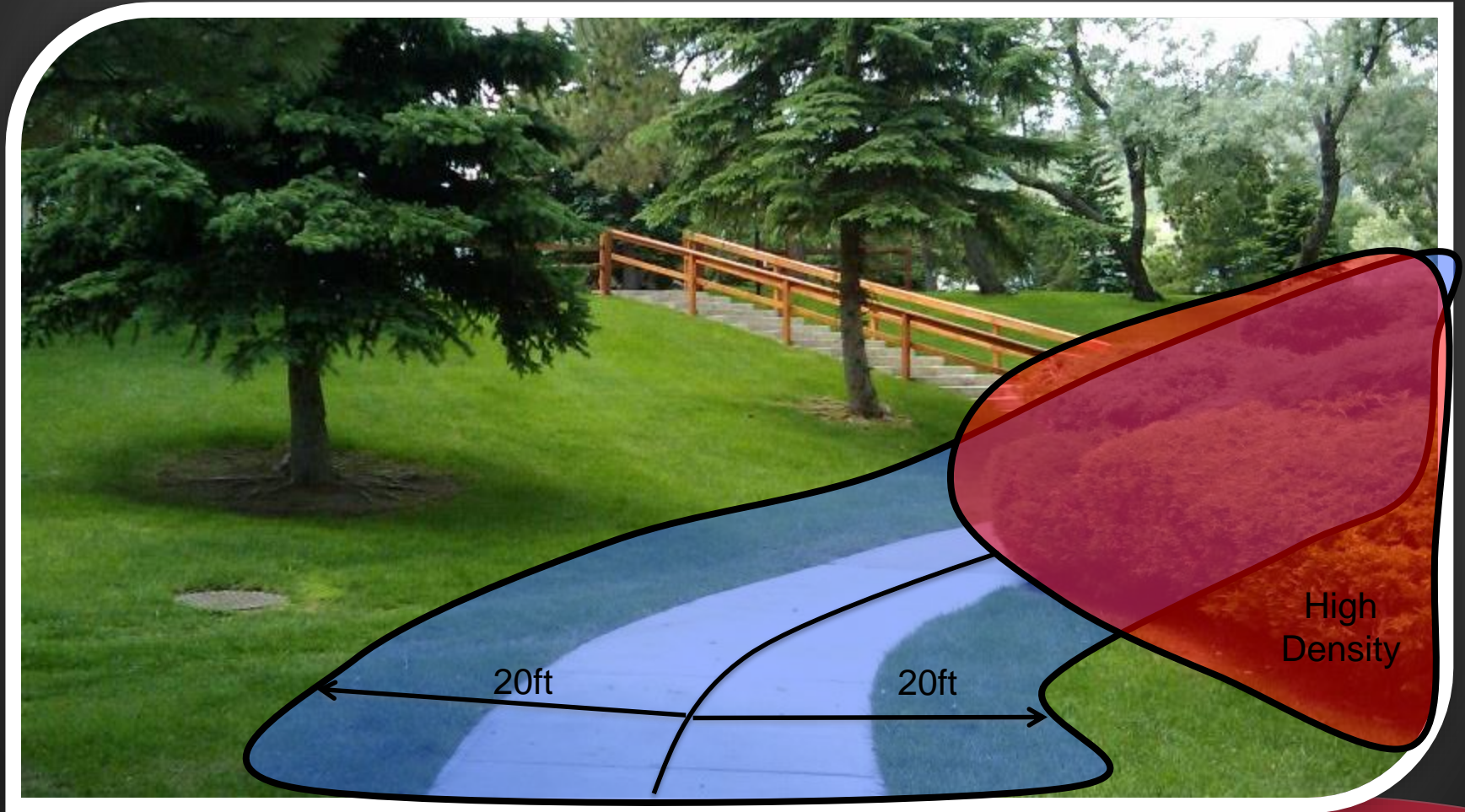


RTM

Spatial Influence



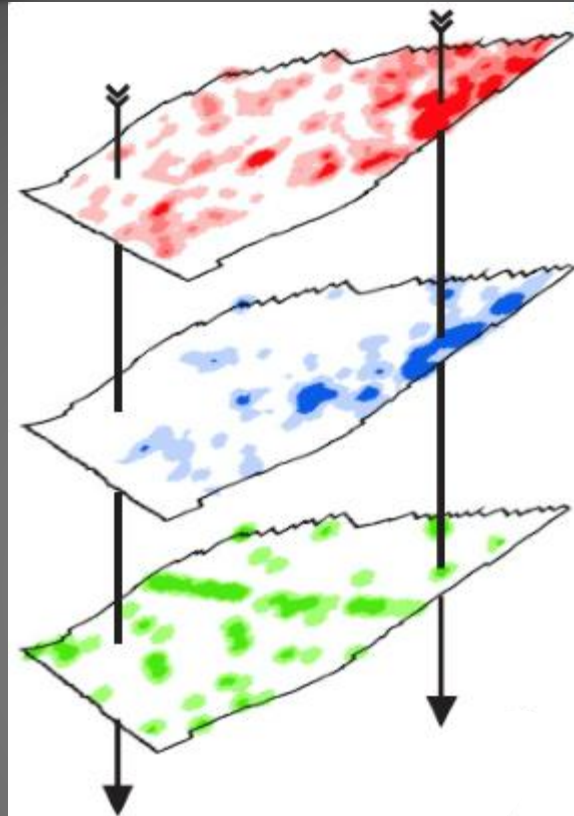
Spatial Influence



Spatial Influence

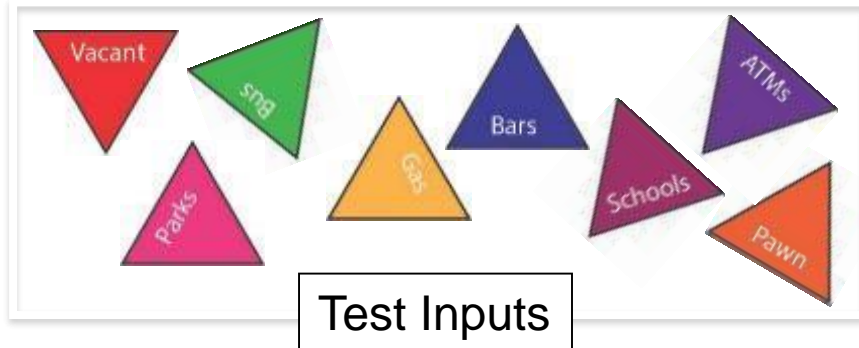
- Articulation of perceptual cues observed about features.



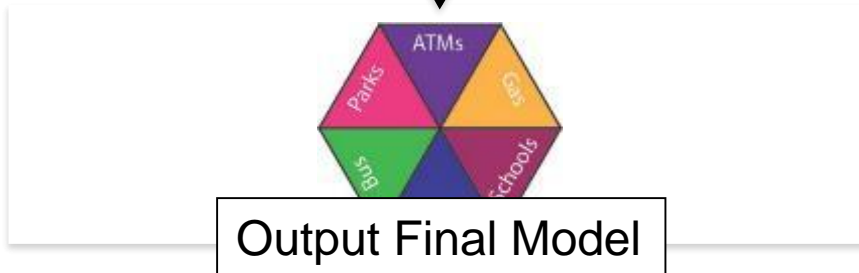


RTM

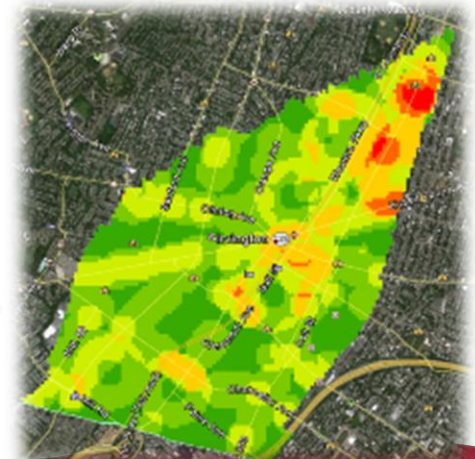
THE RTM PROCESS



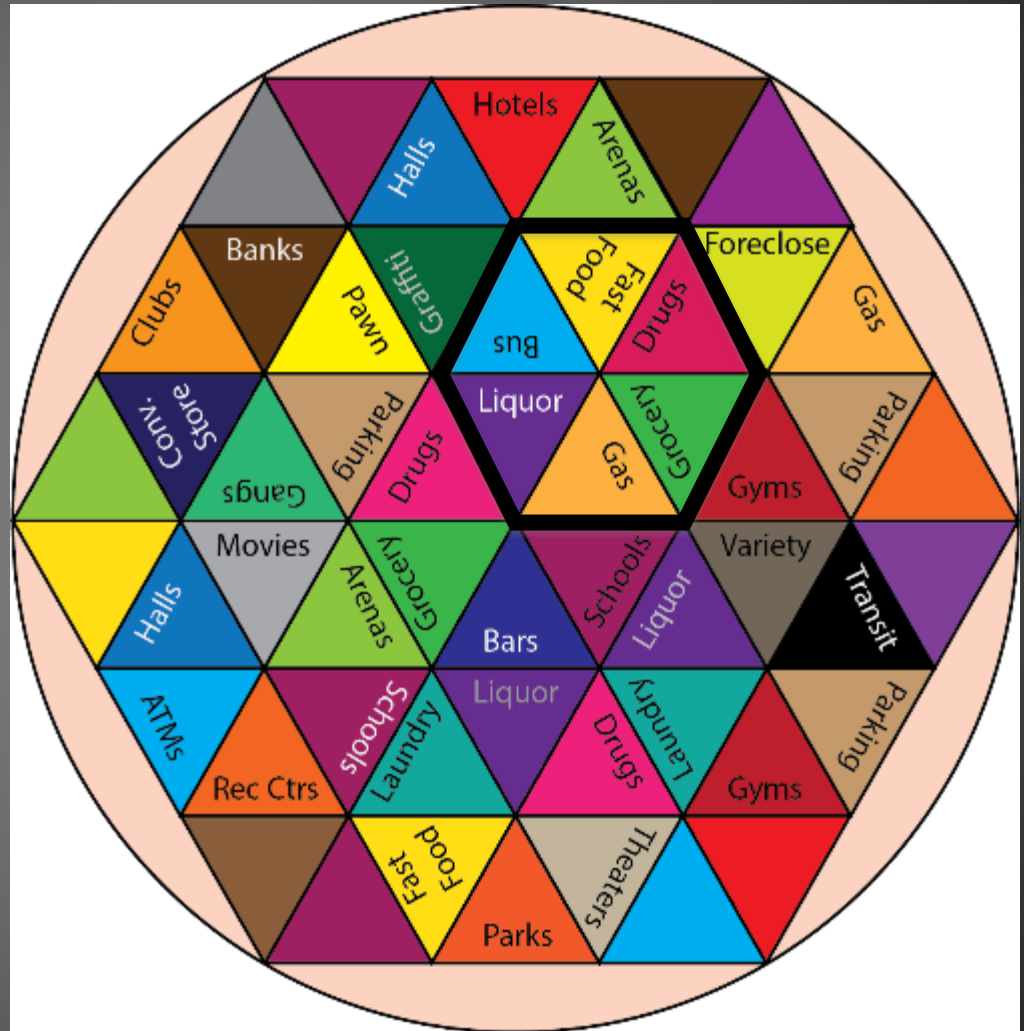
*Can examine aggravating and protective factors



Produce Map →



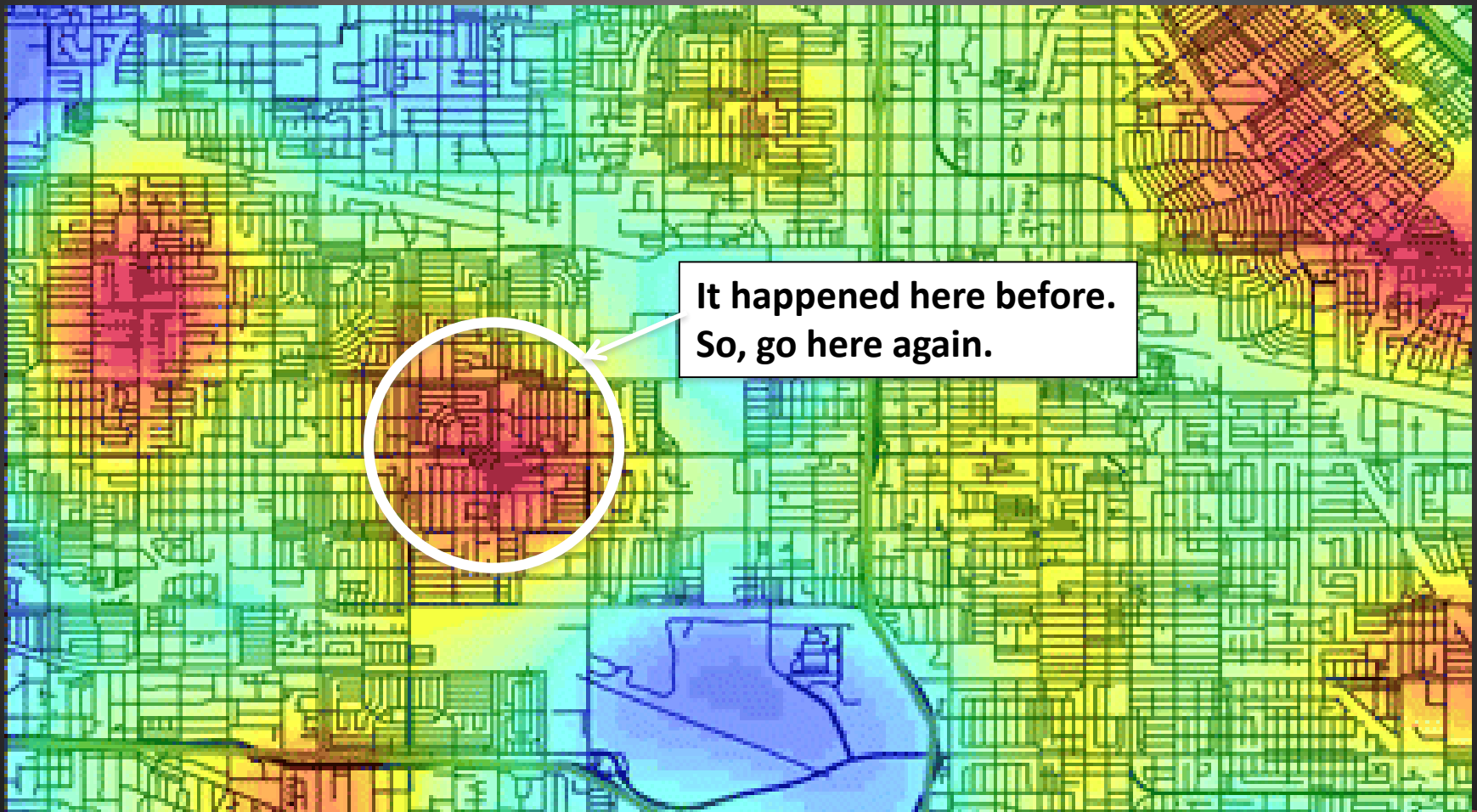
Kaleidoscope



Location matters



Crime hotspots, Hotspots Policing



The What & why

- Hotspots tell where to go, but not what to do when you get there.
- RTM Q: What attracts illegal behavior at this high-crime area?
- RTM Q: Why does crime cluster there over time?

Implementation Process

A Assessment of the risk narrative

C making **C**onnections

T Task management

I Intervention planning/implementation

O Outcome evaluation

N Notifying others

RTM and Crime

Atlantic City, New Jersey

- Buy in from Police Chief, Mayor, and multiple other local/state/federal agencies
- Citywide involvement in change
 - Current focus is Aggravated Assault/Robbery
- Developing 'ACTION' meeting strategies
- Beginning stages
 - New RMS/CAD system

Metro City in the Northeast

- Were awarded \$\$ to implement new strategies aimed at reducing gang and gun violence
- Police did community policing strategies in target areas (get out of their cars)
- Clean up graffiti; paint murals in target areas
- Social worker hired for at-risk youth outreach
 - Connect with social services
- Community organizations
- Faith organizations

CPTED to HPTED

(Kent & Wheeler, 2015)

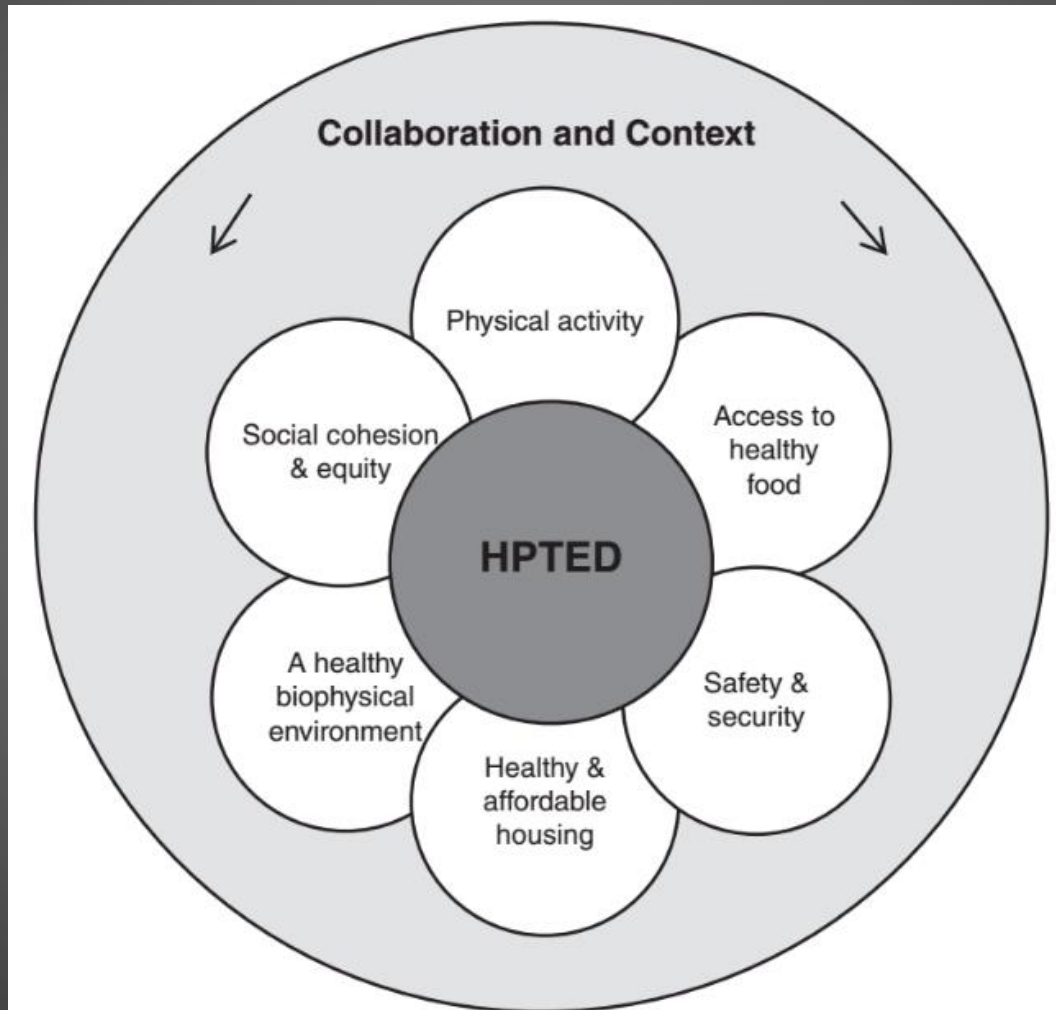


Figure 1. The principles of Health Promotion Through Environmental Design

RTM to Public Health

- Suicide:
 - Using past data to understand where future decedents are likely to live
 - Denver 2014; year of interest
 - Used 2012 -2013 residential addresses to determine clustering (hot spots)
 - Able to predict 23% of 2014 decedents' residences in only 5% of the land area in Denver
 - Sign of neighborhood/street stability
 - Now moving towards RTM in Colorado Springs
 - Hooray IRB Approval..... finally

RTM to Public Health

- We know there are individual characteristics that put people at greater risk; however, there are also *places* that put people at greater risk
- Movement in research to determine at-risk people residing in risky areas
 - People and places have protective factors
 - Resilience

Conclusion

- RTM Applications
 - Crime, Maritime Piracy, Border Patrol, Drug Markets, Child Maltreatment, Pollution, Injury Prevention
 - Approached to examine Child Obesity and Terrorism
 - Can include structural/SES/demographic measures
- Move away from agencies that are siloed
 - Not one agency can solve a problem
 - Police are often thought of the only agency responsible at preventing/reducing crime
- Move to being proactive and preventative
 - Understood the environmental context

THANKS!

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Introduction

Agency and Leadership Objectives

Risk-Based Policing is the mindset and operational practice of reducing and managing crime risks. It emphasizes:



Problem-solving



Evidence-based decision making



Sustainability



Better utilization of resources



Increased transparency

It's easy to get started. Here's what you need:



- This risk-based policing **playbook** – **FREE**
- Police administrative data (e.g., crime incident locations) – **FREE**
- Local government data (e.g., locations of landscape features, such as bars, schools, parks, etc.) – **FREE**
- Maps of your jurisdiction – **FREE**
- Analyst/task manager – *Existing human resources*
- RTM tools & resources – **FREE** (www.riskterrainmodeling.com/)
- Formal RTM Training Webinar (optional)
- A Computer

Other training and certification options are available through the Rutgers Center on Public Security

Policing for the 21st Century

Many Benefits of Risk-Based Policing. Here are Some for Key Stakeholders:

Police Officers

Better measures of performance and productivity

Crime Analysts

More informative and actionable analytical products

Command Staff / Directors

Evidence-based support for decisions; justify need for financial or personnel resources to manage risk; Deem success and credit for controlling crime then (without the need for crime counts and public fears to spike first) justify departmental need for resources to continue managing risk.

Community Members

More effective, responsive and transparent police department

Elected Officials

Strengthen police-community relations; Sustainable public safety



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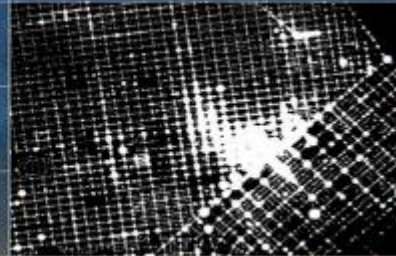
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RISK-BASED POLICING

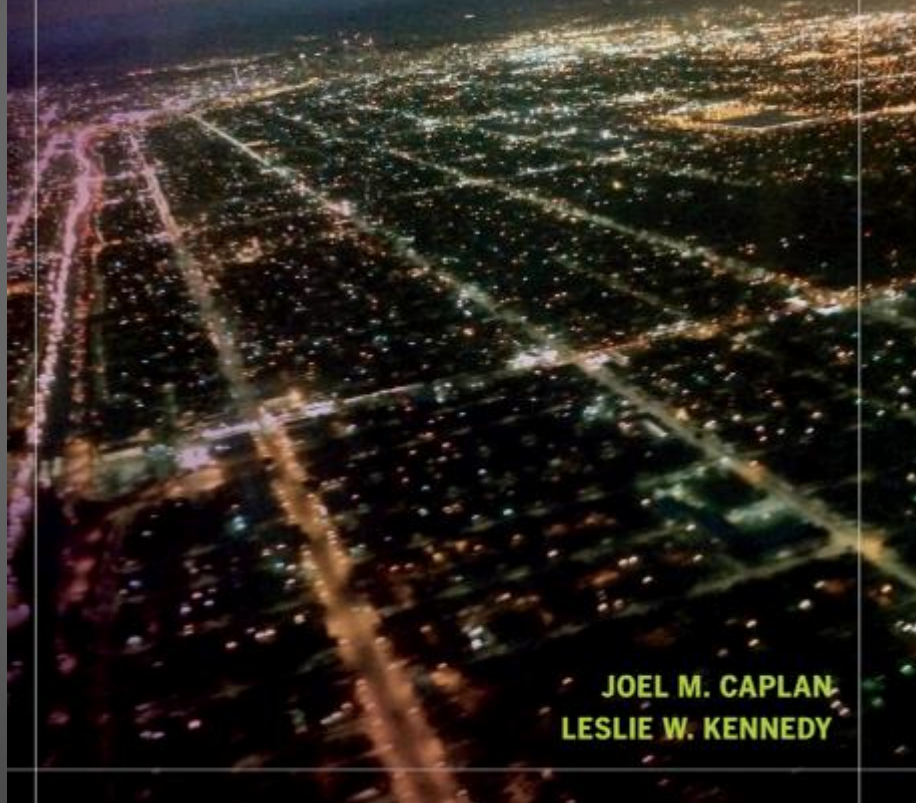
PURPOSE

This playbook serves to justify the adoption of Risk Terrain Modeling into police agencies, and helps guide the integration of risk-based practices into all levels of policing operations.

RISK TERRAIN MODELING



Crime Prediction and Risk Reduction



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Riskterrainmodeling.com



HOME

OVERVIEW

GETTING STARTED

RESOURCES

TRAINING

RTM IN PRACTICE

CONTACT

BLOG

RISK TERRAIN MODELING

DOCUMENTATION & DEMO SITE

GET STARTED



More Info:

RTM Training & Certification Webinar:

<http://rutgerscps.weebly.com/rtm-webinar.html>

- for Details or to Register

RTMDx Utility:

<http://rutgerscps.weebly.com/software.html>

- watch 3min Video

- get Free Software License

- see User Manual (good overview of RTM)

Primer on the Spatial Dynamics of Crime

<http://rutgerscps.weebly.com/primer-on-crime-book.html>

- only 3 pages per chapter. Easy read!