

Data Driven Approaches to Crime and Traffic Safety (DDACTS)



BJA Bureau of Justice Assistance
Office of Justice Programs • U.S. Department of Justice

July 29, 2008



Project Concept and Overview

- Timely and accurate data collection and analysis
- Identification of the nexus of crime & traffic safety
- Coalition of local partnerships including the full range of stakeholders
- Integrated and strategic operations to extend resources & maximize impact



BJA Bureau of Justice Assistance
Office of Justice Programs • U.S. Department of Justice



DDACTS

Move the law enforcement industry toward data driven traffic enforcement as a primary factor in improving the quality of life of our communities.



BJA Bureau of Justice Assistance
Office of Justice Programs • U.S. Department of Justice



What is DDACTS?

- Local ownership
- Data-driven policing
- Uses local data
- Uses non-traditional partners
- Reduces crime and crashes
- Coordinated effort between the National Highway Traffic Safety Administration (NHTSA) and Bureau of Justice Assistance (BJA)
 - Provide training and technical assistance



BJA Bureau of Justice Assistance
Office of Justice Programs • U.S. Department of Justice



Why DDACTS?

- Increasing Demands and Limited Resources for law enforcement
- Law enforcement executives must prioritize competing demands for police services
- Conflict between available resources and priorities is detrimental to traffic law enforcement and to crime prevention



BJA Bureau of Justice Assistance
Office of Justice Programs • U.S. Department of Justice



DDACTS

The Concept

- Uses strategies already proven by law enforcement agencies
- Efficient in addressing their range of needs
- Effective method to improve the quality of life community-wide
- Locally driven initiatives and integrated operations



BJA Bureau of Justice Assistance
Office of Justice Programs • U.S. Department of Justice



DDACTS

Analyzing the Problem

- **YOUR** data is used
- **YOU** retain ownership of the data
- Traffic analysis is combined with crime analysis
- Crime and traffic data is used to identify areas needing attention



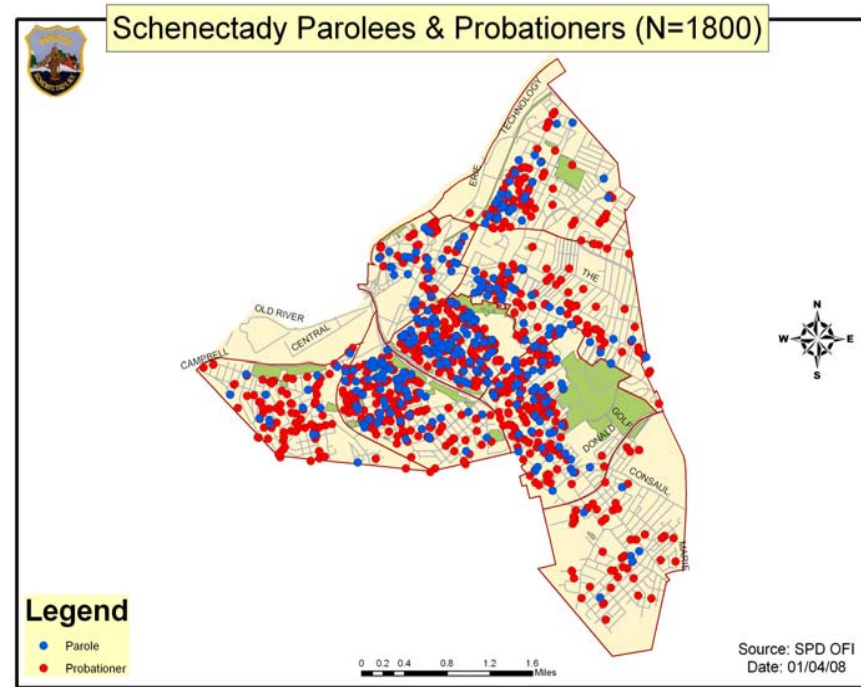
BJA Bureau of Justice Assistance
Office of Justice Programs • U.S. Department of Justice

July 29, 2008



Using a Crime Analysis Style Model

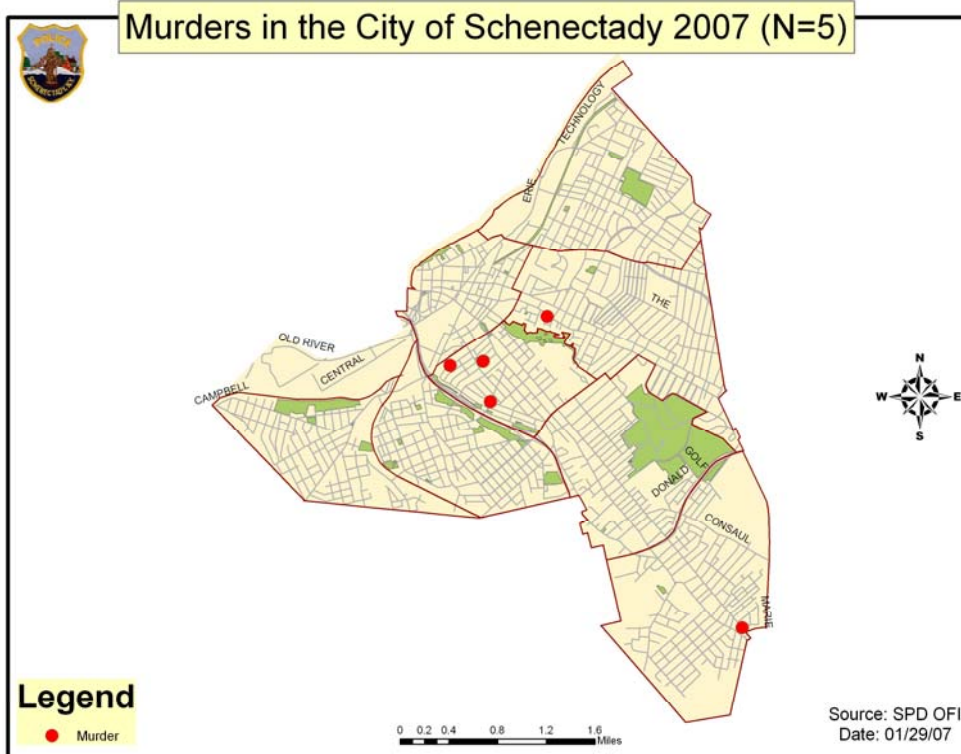
Drilling down to more localized data, a crime analysis-style model allows for a deeper understanding of a problem



BJA Bureau of Justice Assistance
Office of Justice Programs • U.S. Department of Justice

July 29, 2008





Examining the Problem

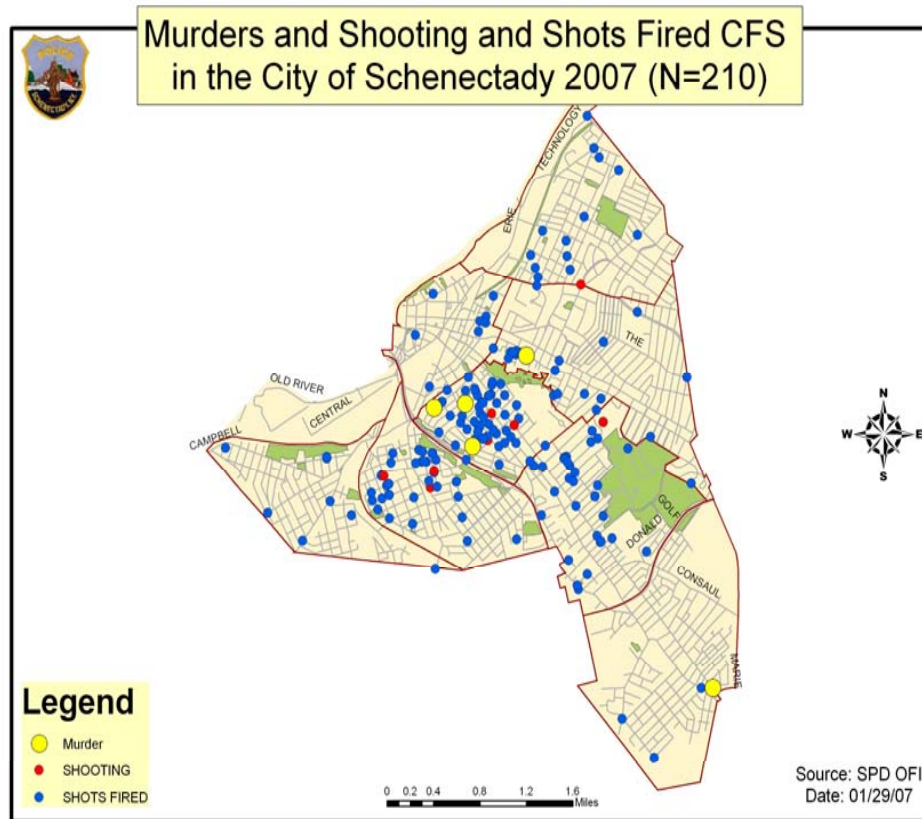
- GIS Mapping of localized problems can graphically represent where issues are occurring
- In this case, the map shows the location of five homicides in 2007
- **What else would we need to know about these fatalities?**



BJA Bureau of Justice Assistance
 Office of Justice Programs • U.S. Department of Justice

July 29, 2008





Developing a Clearer Picture

- The incidences of shots fired and shootings are reflected on the chart—there's a strong correlation to homicides...
- In the same way, a correlation can be drawn between fatal crashes and injury crashes



BJA Bureau of Justice Assistance
Office of Justice Programs • U.S. Department of Justice

July 29, 2008

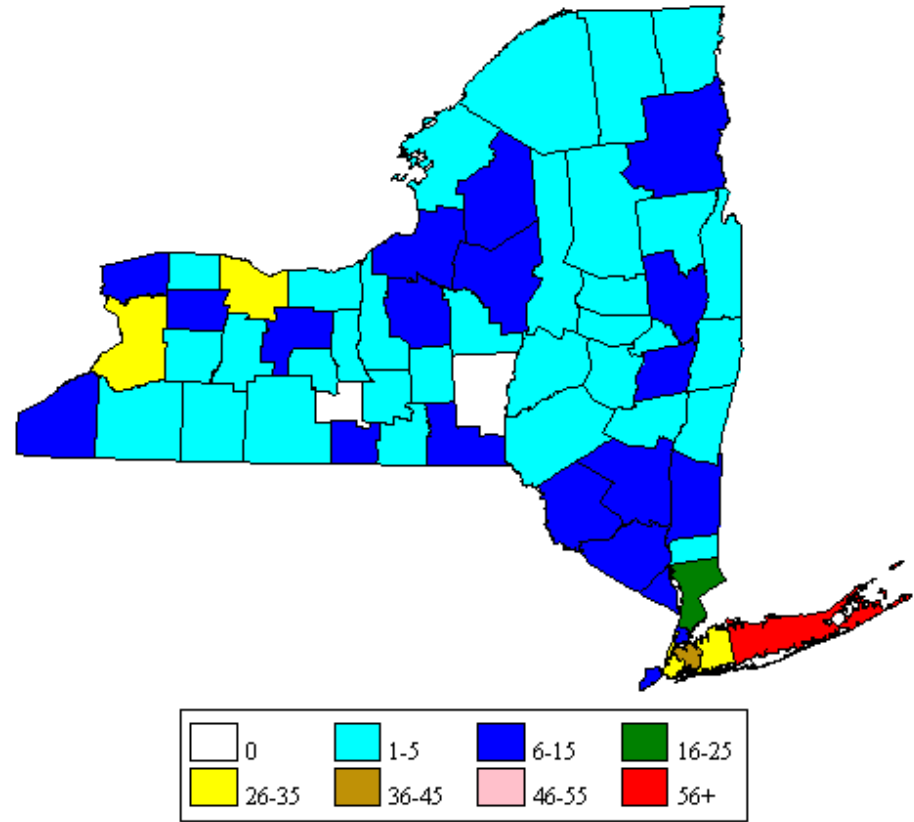


10

Impact of Parolees and Probationers

- As of 1-1-08 In New York State:
 - 125,000 people on State probation
 - 26,000 (20%) are for DUI offenses
- In a random sampling of 100 probationers:
 - 85 subjects had a drivers license. Of those:
 - There were a total of 125 license revocations
 - There were 325 total suspensions

Alcohol-Related, New York, 2006
Fatalities



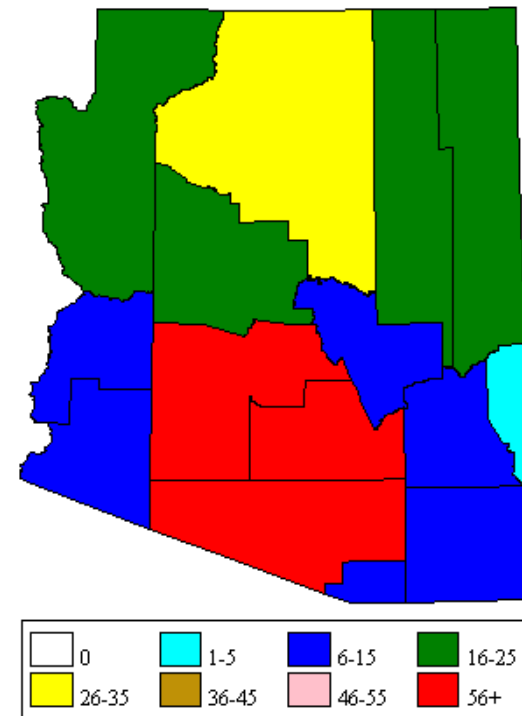
BJA Bureau of Justice Assistance
Office of Justice Programs • U.S. Department of Justice



Impact of Parolees and Probationers in Arizona:

- There were 40,903 active adult probationers in 2006;
- 4,127 (10%) of them were on probation for DUI offenses
- More than 75% of the DUI probationers reside in the red-shaded counties

Alcohol-Related Fatalities, by County, Arizona, 2006



BJA Bureau of Justice Assistance
Office of Justice Programs • U.S. Department of Justice

July 29, 2008



DDACTS

The Importance of Data

- Reliability
- Comparative data elements
- Not necessarily identical
- Federal assistance/expertise available



BJA Bureau of Justice Assistance
Office of Justice Programs • U.S. Department of Justice



DDACTS

Designing the Approach

- Often crime and crashes occur near the same location
- Many crimes involve the use of a vehicle
- Traffic stops can yield criminal identification and arrests
- Results in decreased crime and improved traffic safety
- Many violators do not have a valid drivers license or legally registered vehicle



BJA Bureau of Justice Assistance
Office of Justice Programs • U.S. Department of Justice



DDACTS

Developing and Implementing an Operational Plan

Key Elements:

- Problem Definition
- Defined Terminology
- Approach to Problem
- Include specific traffic enforcement approach
- Staffing/deployment strategies
- Local Partner Collaboration
- Community Outreach/Marketing



BJA Bureau of Justice Assistance
Office of Justice Programs • U.S. Department of Justice



DDACTS

Monitoring the Progress

- Data collection during enforcement period
- Adjust, modify, or redefine as necessary (gaps in data)
- Internal evaluation (lead agency plus partners)
- External reporting (feed back to NHTSA)
- Flexibility and adaptability



BJA Bureau of Justice Assistance
Office of Justice Programs • U.S. Department of Justice



DDACTS

“If you do not keep score, it is just practice.”



BJA Bureau of Justice Assistance
Office of Justice Programs • U.S. Department of Justice



DDACTS

Flexible, adaptable to all environments,
and locally controlled.

The federal role is one of assistance
and support.



BJA Bureau of Justice Assistance
Office of Justice Programs • U.S. Department of Justice

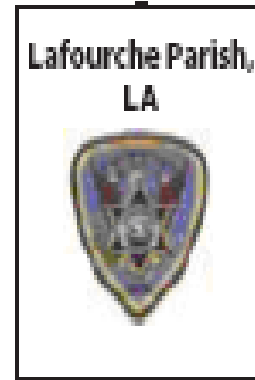
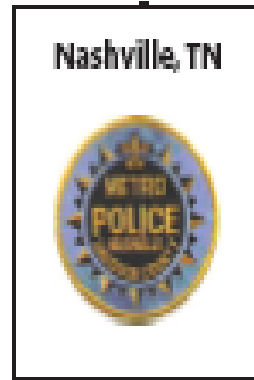
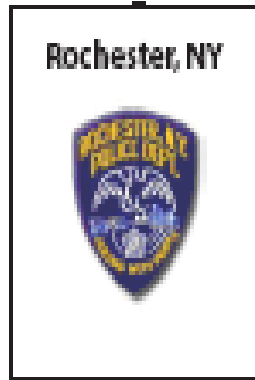
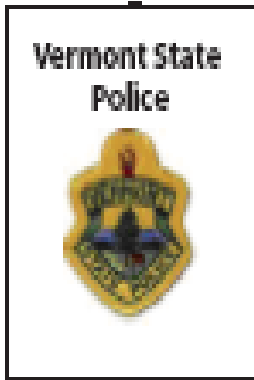


National Partners



July 29, 2008

Demonstration Sites



BJA Bureau of Justice Assistance
Office of Justice Programs • U.S. Department of Justice



Core Elements

- Data collection
 - Crime/traffic
- Data analysis
- Coalition building
- PI&E
- Dissemination
- Data driven operations
- Monitoring / evaluation / program modification



BJA Bureau of Justice Assistance
Office of Justice Programs • U.S. Department of Justice



Our Commitment

- Technical Assistance
- Reports
- DDACTS newsletter / website
- Marketing
- Follow-up meeting
- Evaluation



BJA Bureau of Justice Assistance
Office of Justice Programs • U.S. Department of Justice

July 29, 2008



22

Thank you!!



BJA Bureau of Justice Assistance
Office of Justice Programs • U.S. Department of Justice

July 29, 2008



23