

Data Driven Approaches to Crime and Traffic Safety



(DDACTS)



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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



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DDACTS

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



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What is DDACTS?

- **Local ownership**
- **Uses local data**
- **Data-driven policing**
- **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**



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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



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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



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DDACTS

Analyzing the Problem

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



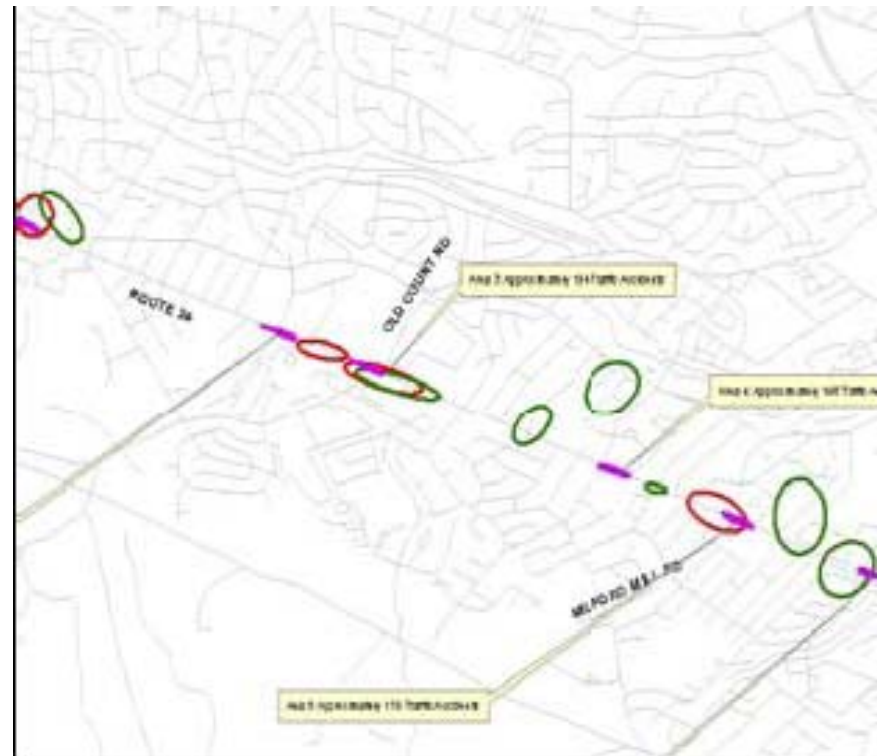
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Using a Crime Analysis Style Model

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

- **Purple** Ellipses: Traffic Crashes
- **Green** Ellipses: Burglary
- **Red** Ellipses: Robbery

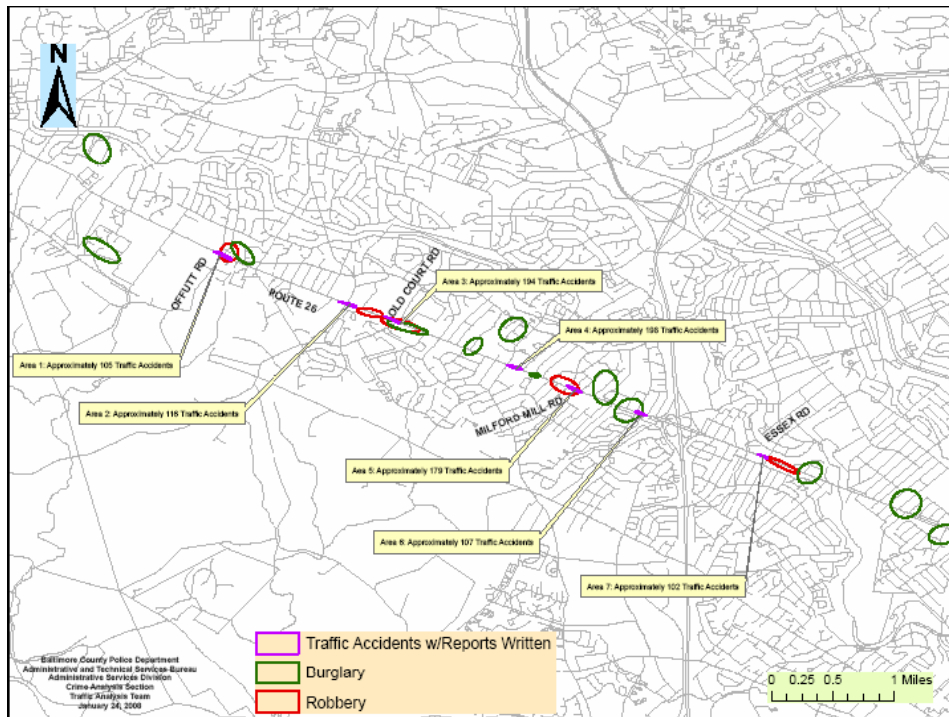


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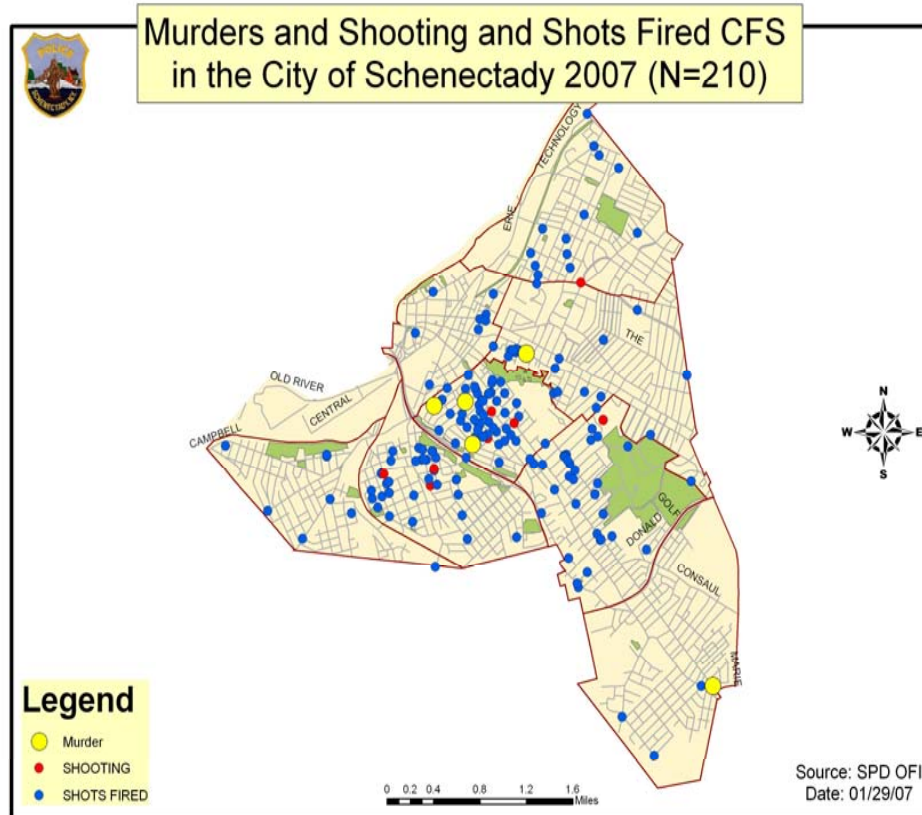
Examining the Problem

- GIS Mapping of localized problems can graphically represent where issues are occurring



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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



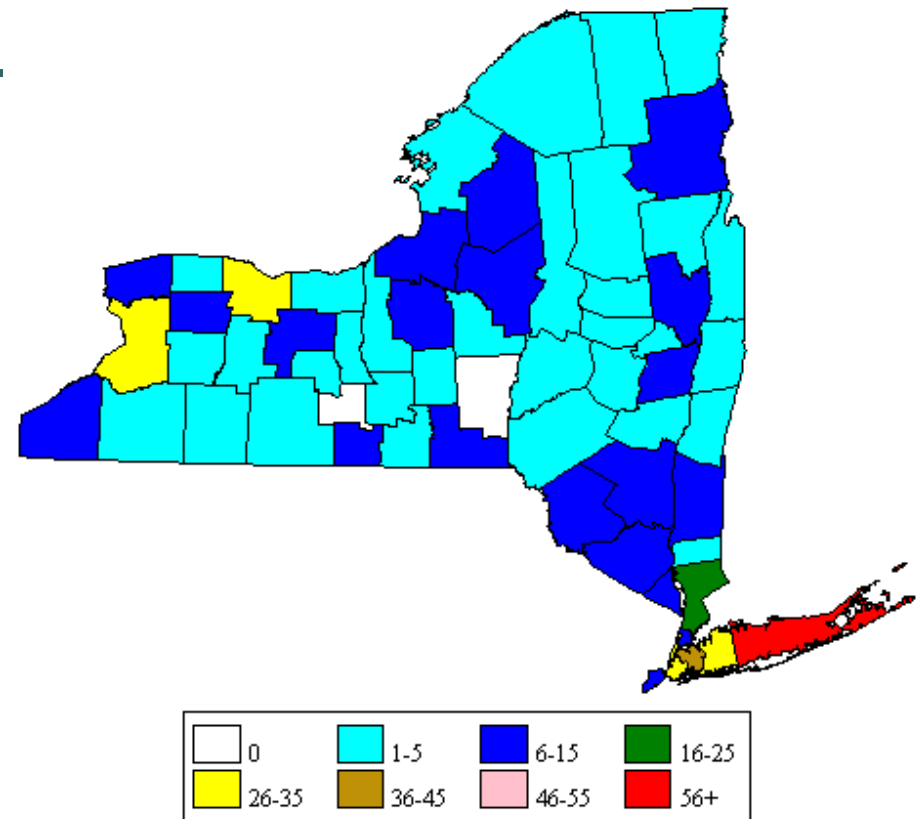
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Impact of Parolees and Probationers

- **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:
 - 125 license revocations
 - 325 total suspensions

Alcohol-Related, New York, 2006
Fatalities

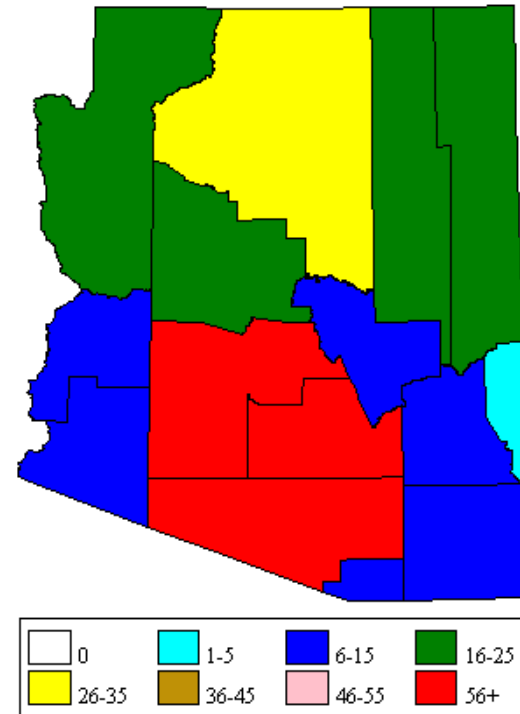


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Impact of Parolees and Probationers in Arizona:

- 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



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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



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



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DDACTS

**Flexible, adaptable to all environments,
and locally controlled.**

**The federal role is one of assistance
and support.**



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Core Elements

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



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National Partners



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GHSA

17

Demonstration Sites

Vermont State
Police



Rochester, NY



Baltimore County,
MD



Nashville, TN



Lafourche Parish,
LA



Oakland, CA



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Thank you!!

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