Overview

- Gun Problem
  - Scanning and Analysis
- Newton’s Response:
  - Crime Intelligence Detail (CID)
  - Offender-Based Strategy
  - Location-Based Strategy
- Implementation
- Assessment and Results
Key Problem: Gun Violence

Scanning the Problem: Crime is down, but shots fired, and gangs and guns are major problems...

Analysis showed that Newton had the third highest number of gun-crimes in the city.
Response: Operation LASER -- Los Angeles’ Strategic Extraction and Restoration Program

- Reduce gun-and-gang-related crime in Newton Division

- Newton – 1 of 21 Divisions in LAPD –
  - 9 square miles; 150,000 people

- LASER is focused on:
  - Chronic offenders and
  - Chronic locations

- Using existing resources – no special task forces or LAPD units
On-going Analysis and Assessment

Create the Crime Intell Detail (CID)
- Two police officers and one Intell Analyst
CID collects information and uses new technology
- FIs, Arrests, Criminal Histories, etc.
- Identify Chronic Offenders and Chronic Locations
- Continually measure dosage
CID gathers intelligence daily from Patrol (Watch 2, Watch 5 and Watch 3), the Bicycle Unit, and the Parole Compliance Unit at Newton Division

CID focuses on Robberies, Weapons Violations, and Aggravated Assaults related to gun and gang violence

CID creates “Chronic Offender Bulletins” using ‘Palantir’
Chronic Offender Bulletins

- Physical descriptors
- Physical oddities
- Gang affiliation
- Prior crimes committed
- Parole or Probation Status
- Vehicles
- Areas they frequent
- Contact with law enforcement
THE BELOW LISTED INDIVIDUAL IS NOT WANTED AT THIS TIME. THIS PUBLICATION IS DESIGNED TO PROVIDE INFORMATION ON PROMINENT KNOWN OFFENDERS, PAROLEES AT LARGE, CAREER CRIMINALS, ETC AND IS NOT TO BE USED AS THE SOLE BASIS FOR YOUR PROBABLE CAUSE TO DETAIN THE INDIVIDUAL LISTED BELOW FOR ANY FUTURE CONTACTS.

OFFICERS: HOGG #38358 / PONCE #36692

NAME: SUTTON, DASHAWN

DOB: 09/07/1979

CII#: A22166454

CDL#: B9021269

1319 ½ WEST 92ND ST LOS ANGELES, CA 90044

DOB: 05/26/1964

SEX: M

HAIR: BLK

HEIGHT: 5'7

EYES: BRN

WEIGHT: 148

PHYSICAL ODDITIES:

TATTOO ON BACK "COAST TO COAST SD"

TATTOO ON BACK "EAST COAST CRIP" WITH THE LETTERS "SD" INTERTWINED

TATTOO ON CHEST "EAST COAST CRIP"

SSN#: 571-59-5784

ARREST: 211, EVADING, NARCOTICS VIOL, POSS OF FIREARM BY A FELON 10851 VC AND BURGLARY.

CAL GANGS: 62 EAST COAST CRIP WITH MONIKER OF "D, DAY DAY, SHY, SHYSTY"

PAROLE: ACTIVE PAROLE UNTIL 01/01/2013 FOR POSS OF NARCOTICS FOR SALES, FELON IN POSS OF A FIREARM AND 459 PC

PROBATION: NONE

WARRANTS: NONE

VEHICLES:

2000 MERZ ML4 4D WHI CA-5ZUU439 PASSENGER 02/24/2011

1996 OLDS AUR 4D GRN CA-6KNZ899 PASSENGER 02/21/2011

1996 OLDS AUR 4D GRN CA-6KNZ899 DRIVER 01/28/2011

1996 OLDS AUR 4D GRN CA-6KNZ899 DRIVER 01/10/2011

RECENT STOP:

OFFICERS: HOGG #38358 / PONCE #36692

DATE: 02/17/2011

LOCATION: 152 WEST 61ST ST: 1381 NARRATIVE/MOTION: CONSEQUENTIAL ENCOUNTER. ADMITTED PAROLE FOR 459 PC. WANT AND WARRANT CHECK. SELF ADMITTED 62 EAST COAST CRIP WITH MONIKER OF "D." QUESTIONED AND RELEASED.

POLICE CONTACTS IN/NEAR NEWTON:


PREPARED BY: J. LOPEZ, SERIAL # 37481 CRIME INTELLIGENCE DETAIL (CID) - SELECTION PROCESS WORK-UPS (EXEMPLAR) M DRIVE & PATROL VEHICLES PATROL OFFICERS, SPECIALIZED UNITS, DETECTIVES, & COMMAND STAFF

DIAGRAM OF CRIME INTELLIGENCE DETAIL – OPERATION LASER
Chronic Offenders

- 124 Chronic Offenders identified and rank-ordered from August 2011 to January 2012

- 87 of the 124 (70%) have been arrested at least once from Aug 2011 to June 2012
  - 87 offenders scored 15 points or higher – 60 (68.1%) arrested
  - 37 offenders scored 0-15 points – 27 (72.9%) arrested

- New list created in May 2012 – 65 new offenders
  - 25 (38.5%) arrested

- Of 189 total offenders, 112 arrested at least once (59%)
LASER: Location-based efforts

Where are the chronic locations?
Using crime data (2006-2011), GIS, and analytics to answer questions
Gun-Related Crimes
Newton Division
2011

Five Hotspot Corridors (in green)
Interventions: Locations

Weekly Missions in Hot Spot Corridors

Use Existing Resources:

- Patrol Units (watches 2, 3 and 5)
- Bikes
- Foot Patrol
- Parole Compliance Unit
- HIDE
Measures

- **Dosage** = Extra minutes/month in hot spot corridors

- Crime Count by Deployment Period (DP) and by month
  - Gun-Related Crime (Part 1 and 2 incidents with a gun) since 2006
  - All Part 1 Crimes – Violent and Property since 2006
TOTAL MINUTES IN NEWTON CORRIDORS BY DP,
2011-2012
NEWTON COMBINED DEPLOYMENT TIME
IN HOT SPOT CORRIDORS
DP’s 10-13 (2011) to DP 1-9 (2012)
Dosage In Newton Corridors

- On average, patrol, bikes, foot, and PCU spent 13,326 extra minutes per DP in the hot spot corridors

- Range: 8,935 (DP 5 in 2012) to 18,380 (DP 12 in 2011)

- 13,326 extra minutes equates to 222 extra hours per DP or 55.5 extra hours per week

- About 8 hours extra per day in the corridors
Impact Analysis

❖ Use Powerful Analytic Methods:
  ❖ Interrupted Time Series Design
  ❖ Panel Data Analysis
Interrupted Time-Series Design

- One of the most powerful quasi-experimental designs
- Compare pre-existing trend before the intervention to the trend during/after the intervention
  - Change in level
  - Change in trend
Time Series Analysis for Newton

- Examined:
  - Gun-Related Crime –
    - Crime incidents (Part I and II) with a firearm
    - Includes: Homicides, Robberies, Aggravated Assaults, Drive-by shootings, Misdemeanors with weapons (drugs, vandalism, etc.)
  - All Part 1 Crimes
- From January 1, 2006 to June 30, 2012 (78 month period)
- Intervention began Sept 2011
  - Arrests of chronic offenders started in Aug 2011, but increased patrol of corridors began Sept 2011
  - 10 post-intervention time periods
Results indicate that Operation LASER is having **significant and tangible reductions in**:

- *Gun-related crime (Part 1 and 2)*
- *Homicides*
- *Robberies*
- *Violent Crime (Part 1)*
Results suggest that gun-related crime is falling nearly four (4) times faster in Newton after LASER was implemented in Sept 2011.

Differences are statistically significant at the .10 level.
Gun-Related Crimes in Newton

Jan 2006 to Jun 2012

- Graph showing the trend of Gun-Related Crimes over time from Jan 2006 to Jun 2012.
- The intervention point is marked with a vertical dashed line.
- The line with blue dots represents Gun-Related Crimes, while the red line with dots represents Predicted Crime.
Time Series: Bottom Line

- Interventions in Newton resulted in a *decrease* of Part I Violent Crimes by an additional 5.393 crimes per month.
- Homicides *decreased* by an additional 22.6 percent per month in Newton after Operation LASER began.
- Robbery *decreased* by an additional 0.218 robberies per month in Newton after Operation LASER was implemented.
Time Series: Violent Crime & Gun Crime

Total Part I Violent Crime

Observed Predicted

Total Part I Gun Crime

Observed Predicted
Time Series: Homicide & Robbery

Homicide

Robbery

Months

Observed  Predicted

Observed  Predicted
Panel Data Analysis: Newton

- Look at gun-related crimes from Jan 2006 to June 2012
  - In addition to Newton, we are including RDS in 77th Street, Southeast, Southwest, Northeast, Central, Rampart, and Hollenbeck
  - Monthly counts of gun-related crime for all RDs in these divisions
- In Newton, RDs examined in hot spot corridors
  - 20 RDs considered intervention sites
  - For all of these RDs, the intervention was assumed to start Sept. 2011
- Counts of gun crime are low, so we model trends using the Poisson distribution
Intervention RDs in Newton
Panel Analysis: Bottom Line

- Results from Panel Data Analysis:
  - We compared monthly gun-related crime for the 20 Newton Reporting Districts (in the hot-spot corridors) to 299 RDs in the city.
  - Results confirm that gun-related crime decreases an additional 5.3% per month in Newton RDs.
  - Caveat: These results may change when additional covariates are included, but these results are significant.
Future Directions: Analysis

- Re-examine these analyses with more time periods
  - Additional time periods will provide more statistical power to detect an effect
- Inclusion of additional data and improvements of the models
  - We are working towards compiling a database for all RDs that will provide statistical controls
  - We will also be refining these models
  - The results may change due to model improvements
Future Directions: Newton

- Continue to use CID to collect data and conduct analysis
- Continue Missions and Dosage (AVLs?) to maintain and stabilize violence reductions
- Focus on Chronic Offenders
- Expand LASER to include Property Crimes, especially BFMVs
Future Directions: Other Divisions

- Replicate Operation LASER in areas with the highest gun crime: South and Central Bureaus
- Create CID units
- Work with the Real-time Crime Center to coordinate the use of technology
- Measure dosage – minutes in the RDs and hotspot corridors
- JSS will continue to analyze and evaluate
Questions?