



Smart Policing in Action 2: Findings and Accomplishments from the Smart Policing Initiative

Cambridge SPI, Chula Vista SPI, Kansas City SPI, CNA

March 31, 2016

This project was supported by Grant No. 2009-DG-BX-K021 awarded by the Bureau of Justice Assistance. The Bureau of Justice Assistance is a component of the Office of Justice Programs, which also includes the Bureau of Justice Statistics, the National Institute of Justice, the Office of Juvenile Justice and Delinquency Prevention, and the Office for Victims of Crime. Points of view or opinions in this document are those of the author and do not necessarily represent the official position or policies of the U.S. Department of Justice.



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How long do I have to walk?

The effectiveness and sustainability of foot patrol

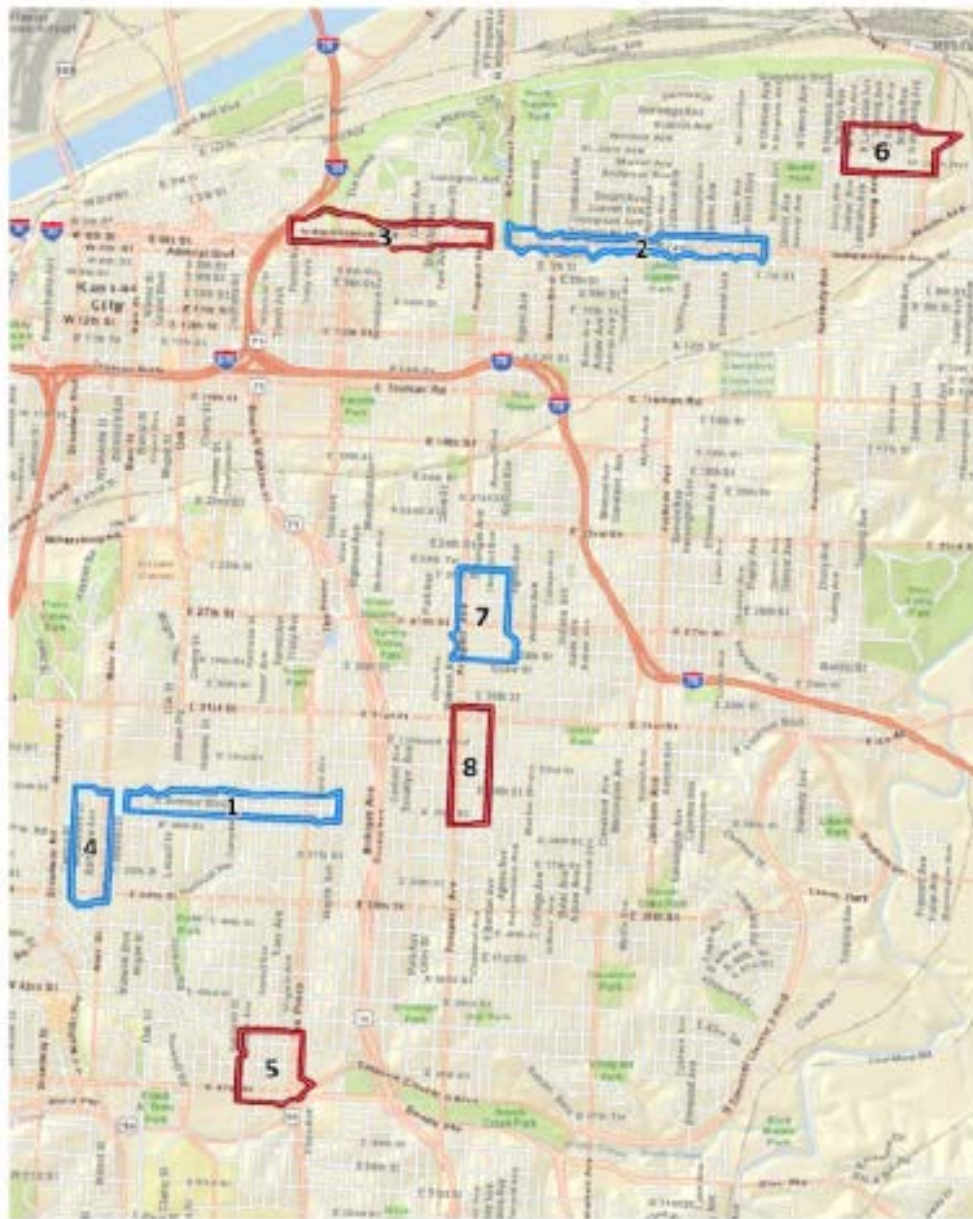
Kenneth J. Novak, Andrew M. Fox, & David Spade

March 31, 2016

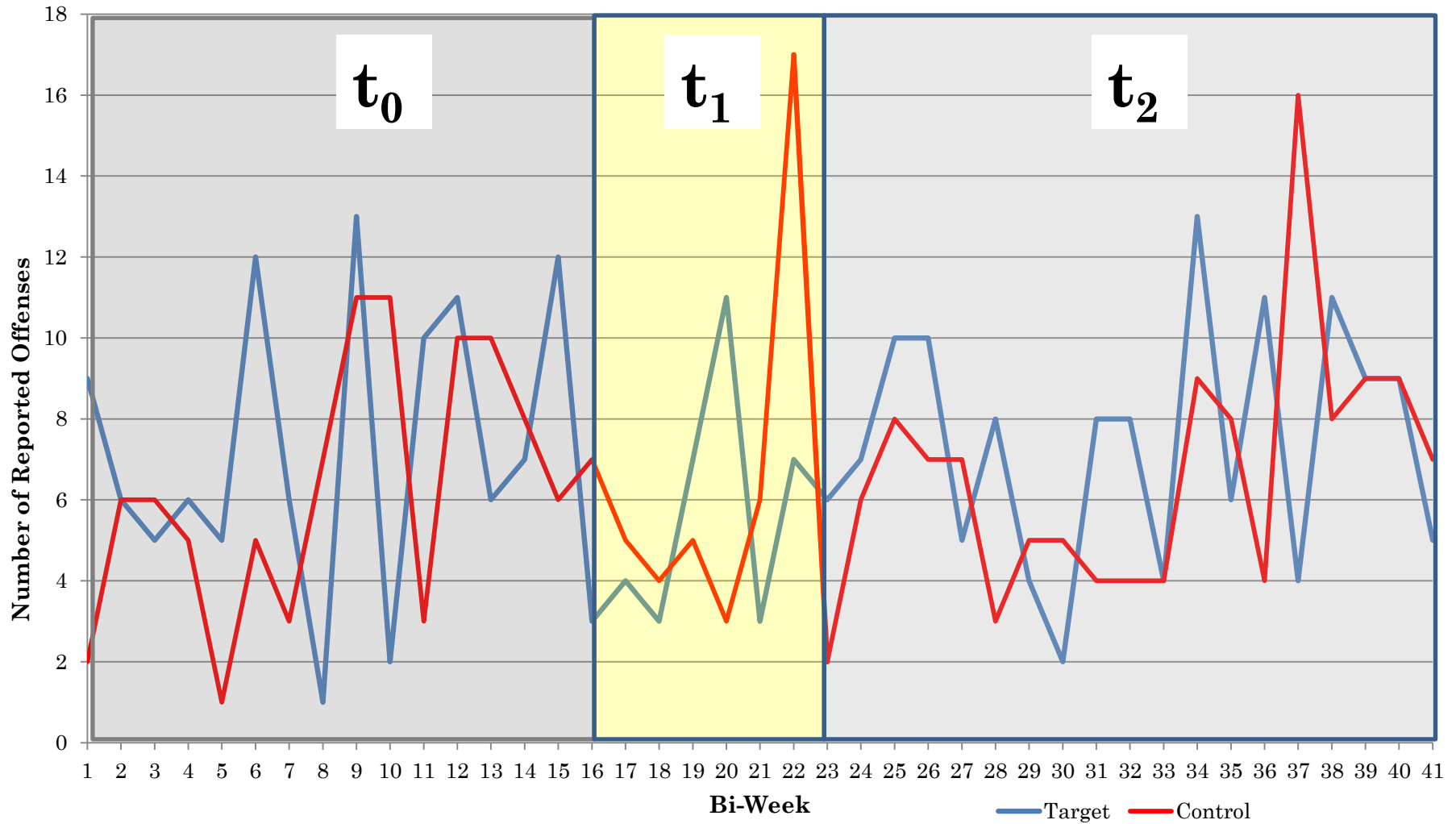
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Focus

- Reproduction of PFPE
- **Impact of foot patrol on violent crime (Robberies, Aggravated Assaults)**
- Hot spots from 3 years of crime data
- Nonequivalent control group design ($n=4+$
 - <1.5 street surface miles
 - 650' catchment area
- 8 pair of rookie officers
 - 2 shifts / day, Tuesday – Saturday, 1000-2300
- 90 days (Aug 1 – Oct 31, 2011)
- $t_0 = 30$ weeks; $t_1 = 13$ weeks; $t_2 = 40$ weeks



Reported Aggravated Assaults and Robberies



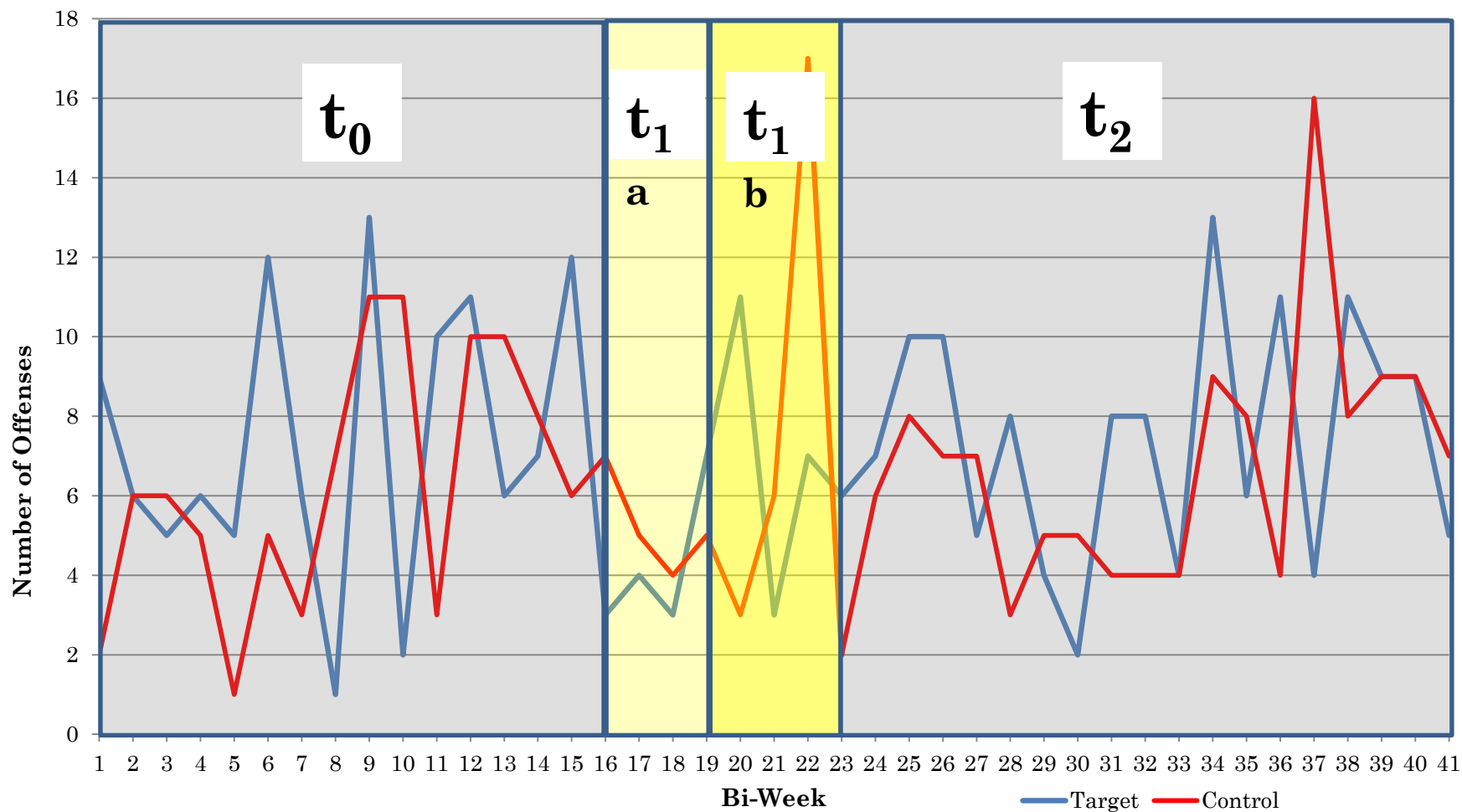
Violent crime across target, control and catchment areas

		Target Areas		Control areas		Target Area Catchment	
		Model A	Model B	Model C	Model D	Model E	Model F
T ₀	Pre-treatment	1.85 (1.90)		1.61 (1.31)		1.67 (1.79)	
T ₁	During treatment	1.36 (1.25)	1.36 (1.25)	1.67 (1.55)	1.67 (1.55)	1.75 (1.71)	1.75 (1.71)
T ₂	Post-treatment		1.75 (1.36)		1.64 (1.48)		1.32 (1.36)
	t-value	-2.63*	2.03*	0.24	-0.09	0.18	-0.86

Mean (s.d.)

*<.05

Reported Aggravated Assaults and



Panel Specific Autoregressive (PSAR(1)) estimates for target and control areas

	Coefficient ^a (s.e.)	P-value
Intercept	1.711	
Treatment (first 30 days)	-1.129 (0.415)	0.001
Treatment (last 45 days)	-0.016 (0.370)	0.966
Post Treatment (T_2)	-0.092 (0.174)	0.442

^aexpected change in number of violent
crimes per area

Number of panels: 8

N=336

Panel Specific Autoregressive (PSAR(1)) estimates for catchment areas

	Coefficient ^a (s.e.)	P-value
Intercept	1.990	
Treatment (first 30 days)	0.061 (0.488)	0.900
Treatment (last 45 days)	-0.029 (0.460)	0.950
Post Treatment (T ₂)	-0.615 (0.301)	0.042

^aexpected change in number of violent crimes per area

Number of panels: 4

N=168

Conclusions

- Foot patrol yielded statistically significant reductions in violent crime
- No evidence of spatial displacement
- Decay
 - Violent crime increased *during* treatment period
- Back off strategy

Considerations

- Small n
- Lacked randomization
- Dosage, not content
- 90 days is relatively short (but expensive)
 - 8,192 personnel hours

Timeline

- October 2010 – SPI Award
- February – May 2011 – Academy
- May 2011 – Chief announces retirement
- May– August 2011 – FTO
- **August – October 2011 – Foot patrol**
- September – Chief retires
- October 11, 2011 – New chief hired
- **June 2012 – Phase II**
- August 2012 – Focused deterrence (NoVA)

Sustainability

- Phase II
- Shifting organizational priorities, leadership
- Skepticism of foot patrol
 - Rookies?
 - Timing of academy
 - Return on investment?
- Foot Patrol and culture conflict

Foot Patrol and culture conflict

- Automobile-centric city
- Foot patrol not a desired assignment
 - Senior officers
 - “Just do your 90 (days)”
 - Sympathy
 - Not real police work
 - Mid-level
 - Officer safety
 - Limits of analysis
 - Division resources
 - Upper
 - Moved on

Foot Patrol and culture conflict

- Foot beat officers
 - Conflicting
 - Happy they did it, would never do it again
 - Anecdotal success and resistance

Reflections

“EBC has focused so intently on accumulating high-quality research evidence on the effectiveness of interventions that insufficient attention has been paid to understanding the agencies charged with implementing those interventions. As a result, little is known about the implementation gap in CJ.

...systematic research agenda to explore the capacity of American police organizations” to adopt innovation (Maguire, 2009: 268).



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Data. Analysis. Solutions.



BJA
Bureau of Justice Assistance
U.S. Department of Justice

Analyzing and Reducing Repeat Domestic Incidents

Chula Vista Police Department

Karin Schmerler

March 31, 2016

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Chula Vista



256,000
residents

225
sworn
officers



Why DV?

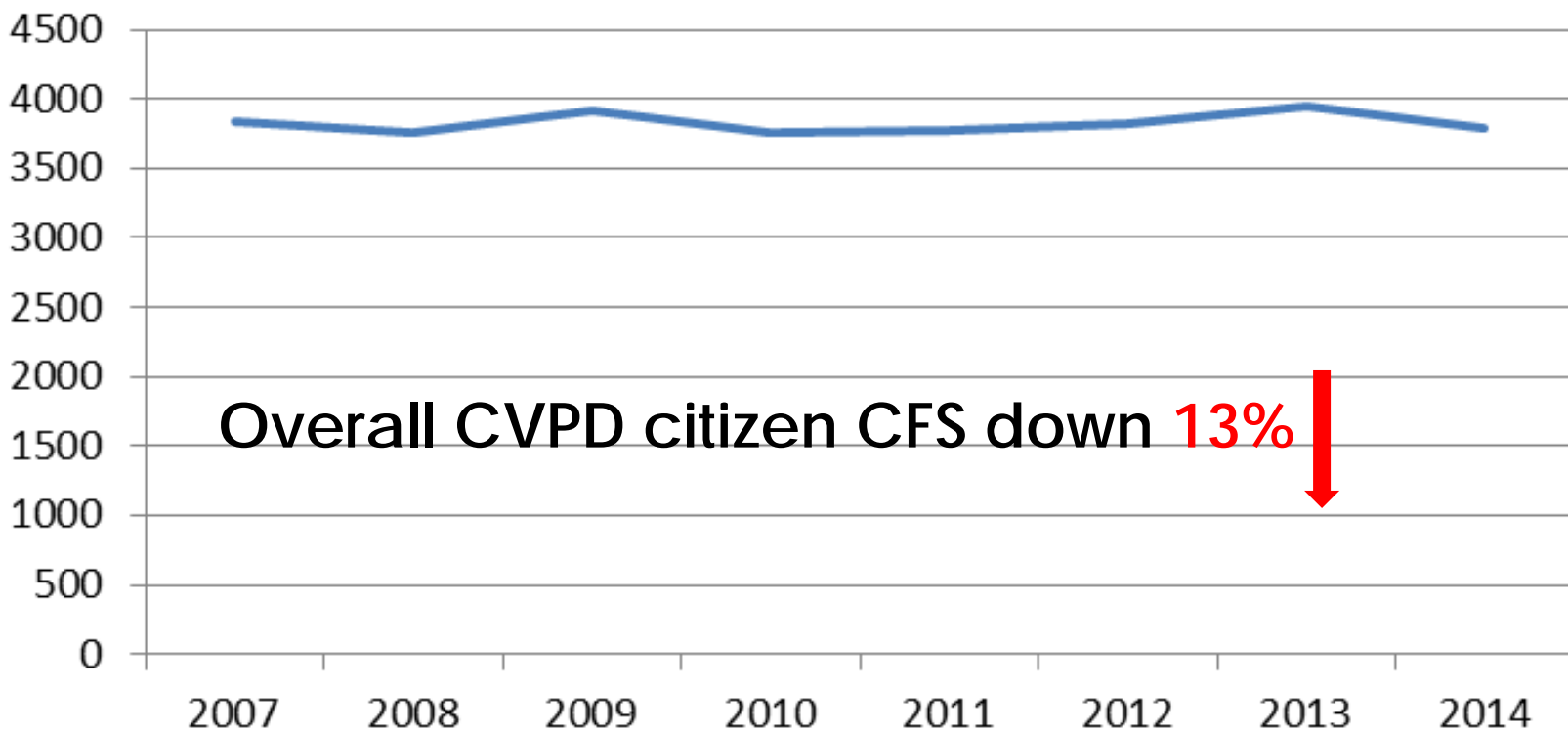


- DV is **#2** type of CFS (after false alarms)
- 4,000 DV CFS each year (65,500 citizen CFS)
 - intimate partner only
 - includes domestic disturbances (DD)
- 8,000+ Patrol hours responding to DV CFS

Overall DV CFS Trend



Total Domestic Violence and Disturbance CFS: 2007-2014





- Focused deterrence – High Point, NC
 - Warning offenders what will happen if involved in future incident
 - Goal is to **prevent** next incident
 - Reduced recidivism from 17% to 7%-10%
 - Reduced overall DV/Family CFS by 22%



Innovative Strategies



- **Tiered approach – Great Britain**

- Reduced percent of higher-level responses necessary from 34% to 2%

Victim	Offender
Level 1	Level 1
Level 2	Level 2
Level 3	Level 3
Emergency	Emergency

- **Police follow-up w/offender and victim w/in 7 and 28 days – Fremont, CA**

- Reduced repeat CFS at chronic locations by 66%



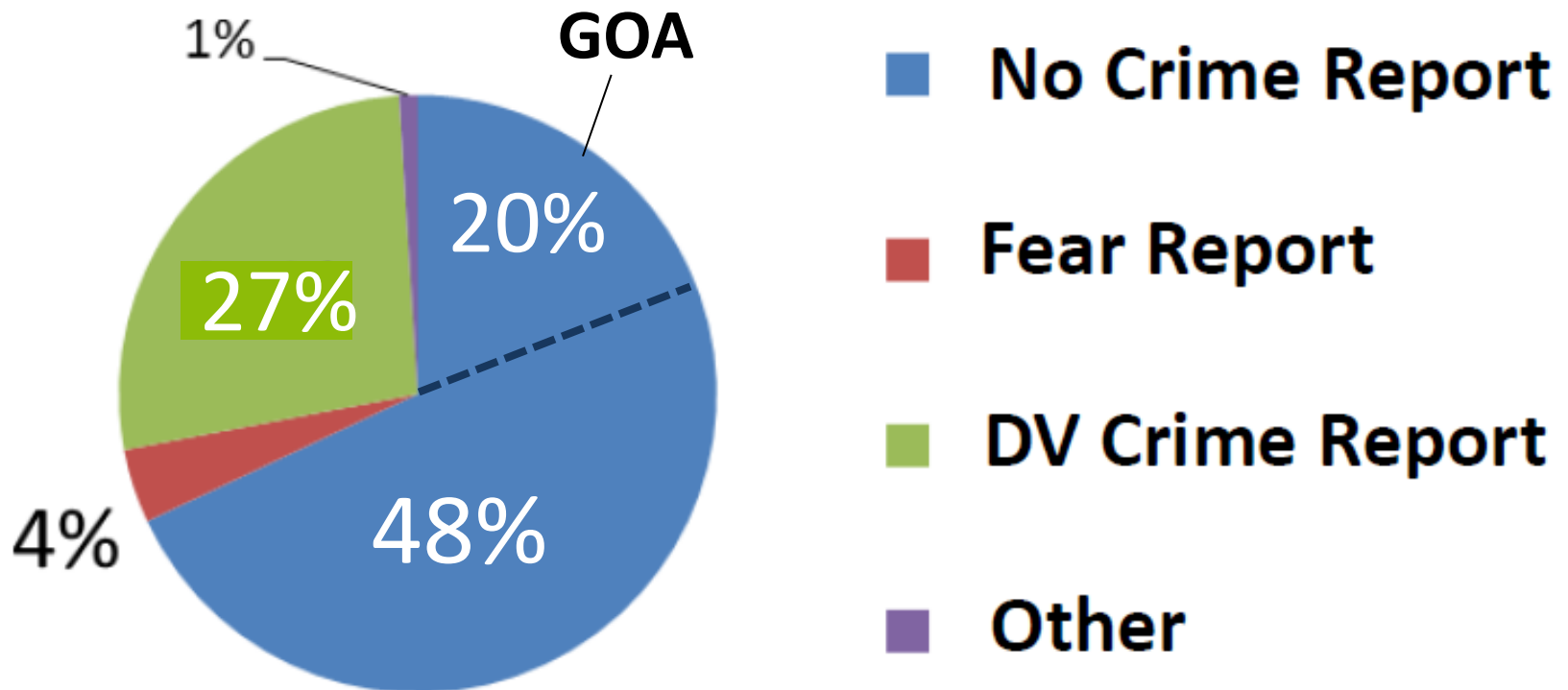
- Almost **90% of officers** frustrated with repeat verbal-only incidents
- 50% said DV situations can be murky
- Almost 50% skeptical about current/traditional responses



- CFS/Crimes/People/DA
 - 10,180 incidents
- Case review/CFS review – sample months
 - 97 DV cases in March 2013, 85 variables
 - 309 CFS in July 2014, 13 variables



72% of DV CFS Had No Crime Reports



DV Incident Flow



10,180

DV CFS

2,771

DV Crimes

1,340

DV Arrests

657

Cases Issued

567

Guilty

Data is for 1/1/12-6/30/14

CFS vs. % That Repeat



It gets harder to prevent repeats with each subsequent incident

Number of DV CFS to an Address	% That Repeat
1	26%
2	41%
3	51%
4	58%
5	50%
6	62%

Key Intervention Point



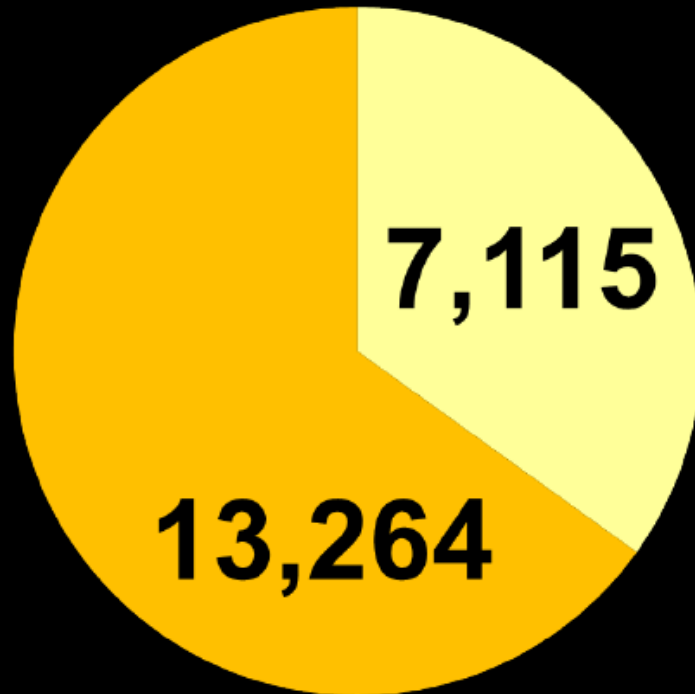
515 Glover Av, Unit xx (Jan-Jun 2014)

DispDateTime	DV CFS Category	Arrested Status
02/26/2014 21:35	Verbal Only DV CFS	
03/09/2014 23:39	DV Crime	Not arrested
03/21/2014 17:15	DV Crime	Arrested on Scene
03/26/2014 7:33	Verbal Only DV CFS	
04/05/2014 19:46	Verbal Only DV CFS	
05/12/2014 0:17	Verbal Only DV CFS	
05/13/2014 16:42	Verbal Only DV CFS	
06/10/2014 2:27	Verbal Only DV CFS	



- **38%*** of DV CFS occur at non-residential locations (citywide)
- DV incident at one person's home, then other person's home
- Using addresses, rather than names, **undercounts** repeats

Extra Benefit of DV Focus



■ DV CFS at residences

■ Non-DV CFS at same residences

Chula Vista Model



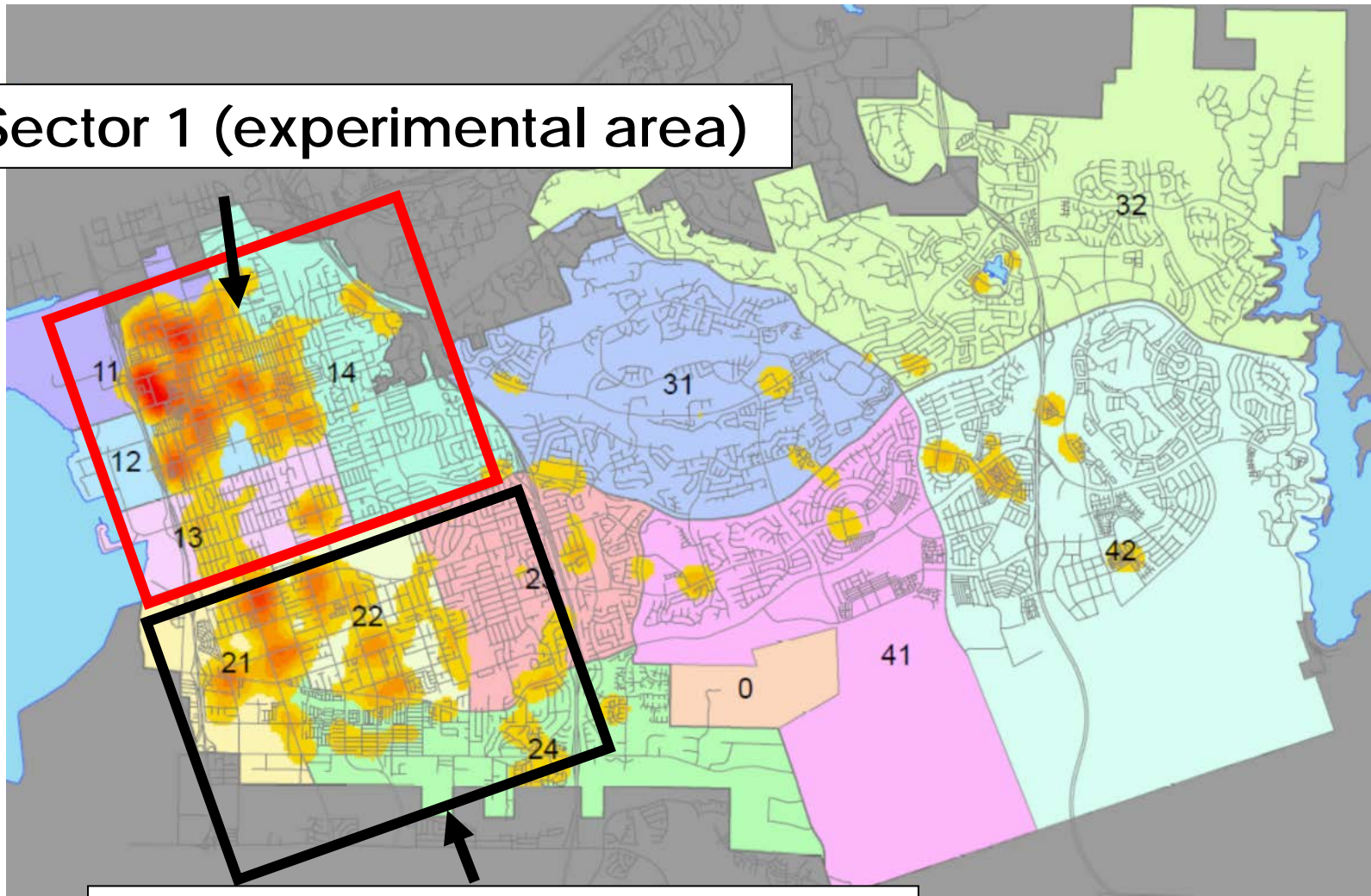
Level	Type of Incident
Level 1	Verbal-only call
Level 2	Repeat verbal call
Level 3	Crime
Level 4	Repeat crime after warning
Level 5	Emergency

Chronic	Customized problem solving
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Test/Comparison Area



Sector 1 (experimental area)



Sector 2 (comparison area)

Level 1/2 (No Crime)



Officer's Message – 5 Points

- Domestic disturbance is not okay
- We take this very seriously
- New approach
- Harms you, children, neighbors
- Police will be checking on you

(Level 2 requests signature)



Probation
(formal partner)

Domestic Disturbances & Loud Arguments

The police were called because of a domestic disturbance. Everyone has disagreements, but not ones so intense that the police are called for help. What happened today is not okay.

The Chula Vista Police Department is taking new actions when responding to domestic violence. We will be checking in with you both in the future to make sure everyone is okay. If you ever need immediate help, CALL 911. The safety and well-being of everyone involved is our priority.

***Police take this seriously.
So should you.***



Advice from Police:

Take a Time Out: If you are upset, step away from the situation and take as much time as you need. Leave the room or home and allow your partner to do the same. Don't continue a heated conversation!

Follow Up Texts



**From: Chula Vista Police
Subj: Recent Domestic
Disturbance**

Hi Nanci. We wanted to check in and make sure you are okay. Please let us know how things are going by clicking here:

www.followup.com. (To speak with an officer call 691-5151. If you are in danger, call 911 immediately.) Para español mande un texto con “S”.

- **At 30 to 60 days for all Level 1 and 2 subjects**

Level 3 (DV Crime)



Jail/Field Warning + 3-Day In-Person Follow Up

WARNING to Domestic Violence Offenders



1. This is your official notice that we are taking a new approach to domestic violence offenders.
2. The Chula Vista Police Department, District Attorney's Office, and Probation Department have created a special task force to reduce domestic violence. Your specific case will be handled by the Task Force.
3. The Task Force's mission is to prevent future domestic violence incidents by focusing completely on offenders like you.
4. Domestic violence is wrong and will not be tolerated.
5. Domestic violence is a crime against the family and community. Children and other family members suffer greatly from actions like yours.
6. If you do not stop abusing your partner, you will receive a great deal of attention from the Domestic Violence Task Force. The only way you can avoid this attention is to stop abusing your partner from today forward. This means no more physical attacks of any kind, including pushing/shoving, and no more verbal abuse/domestic disputes.
7. Any future incident involving you will be a priority for us. If you flee the scene of an incident, we will make every effort to track you down. There are 30 police officers on the Task Force, and we will all be working together to focus on offenders who continue to commit acts of domestic violence.
8. We will examine your record to see if you have committed other crimes in the past. We will see what else you can be prosecuted for. If possible, we will reinvestigate old cases that were dismissed.
9. You are now subject to future unannounced police visits.
10. This new approach is being driven by the POLICE, not the victim.
11. You have been admonished and warned.



We stopped by to check on your safety.

Chula Vista Police Officers _____
and _____ were here to check on
you at _____ AM / PM on _____.

The Chula Vista Police Department will continue to check on you to make sure you are okay. If you wish to talk to us about a non-emergency, we've included our business cards.

If you need immediate assistance, call 911.



Pasamos a ver que se encuentre bien.

Oficiales de Policía de Chula Vista

_____ y _____
pasamos a verlo a _____ AM / PM el _____.

El Departamento de Policía seguirá visitándolo para asegurarnos que se encuentre bien. Si usted desea hablar con nosotros sobre un asunto que no sea de emergencia, le hemos dejado nuestra tarjeta de presentación.

Si necesita ayuda inmediata, llame al 911.



(formal partner)



Why 3-Day Follow Up?



- 3-Day Theory
- 86% of repeats occurred after 3 days
- Bruises fully developed
- Typical time in jail
 - 1.5 days (misdemeanor DV suspects)
 - 3.7 days (felony DV suspects)

Level 4 Protocol



- If offender ignored (repeated) after Level 3 Warning
- Customized problem solving
- Prioritize for prosecution and meet with DA's Office



District Attorney
(formal partner)



Child Welfare
(formal partner)

Next Steps



- Test through December 2016
- Evaluate impact (primary impact measures):
 - Reduced # of repeat DV CFS
 - Reduced # of chronic victims and offenders
 - Increased time between repeat calls

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