



PredPol is not a Black Box

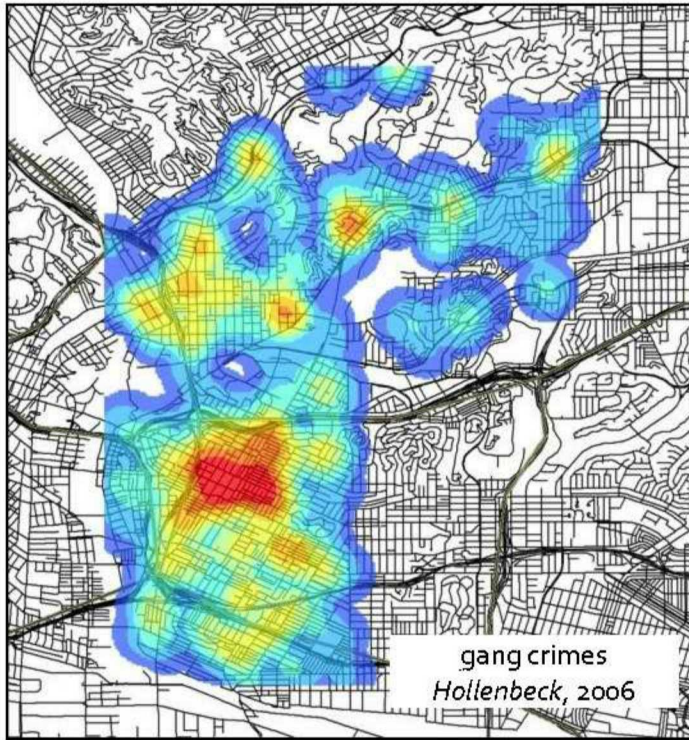
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PredPol

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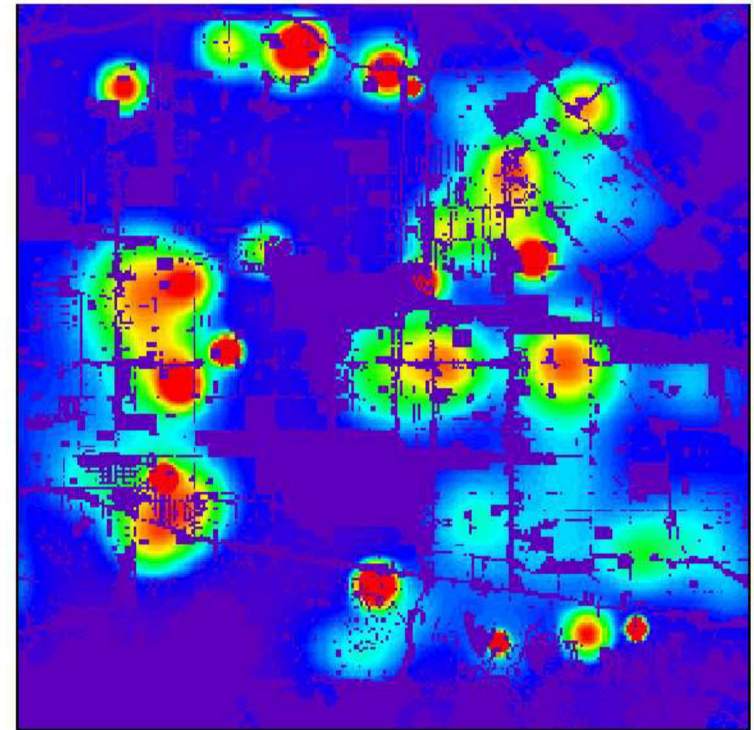
Key Points

1. functionality – the science behind PredPol
2. testing – randomized trials & deployments
3. customization – no distractions
4. implementation & security – fast & robust
5. integration – flexible, seamless fit
6. demonstration – PredPol live

1. functionality

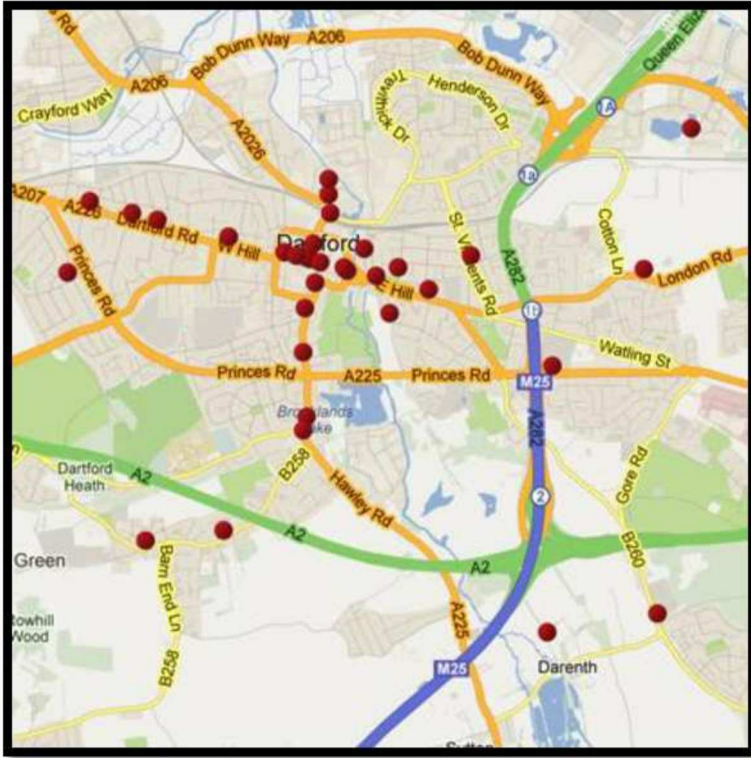


long-term resource allocation



chase overnight crime

event data + math



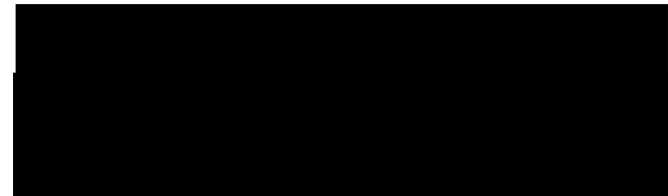
near real-time data

repeat victimization

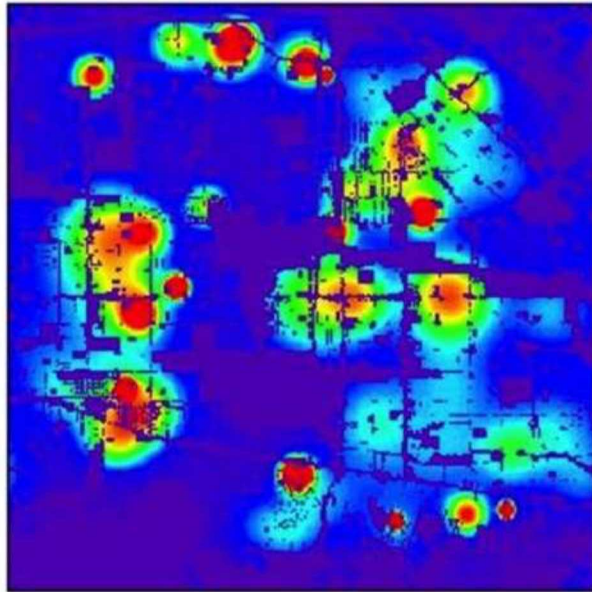


near-repeats

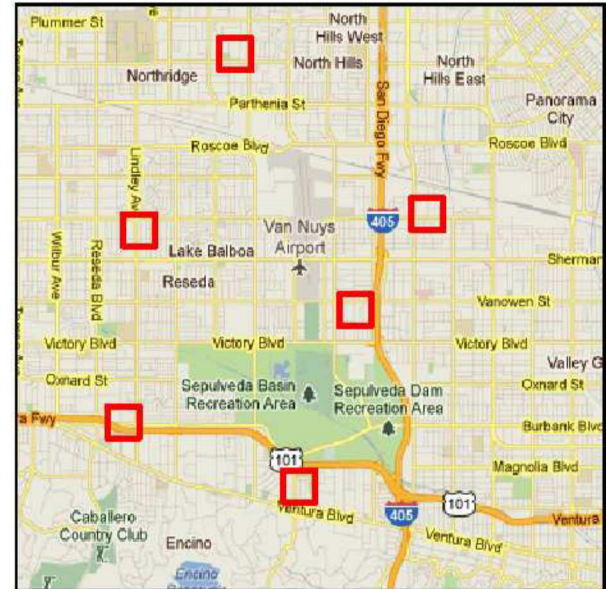
generators



low friction



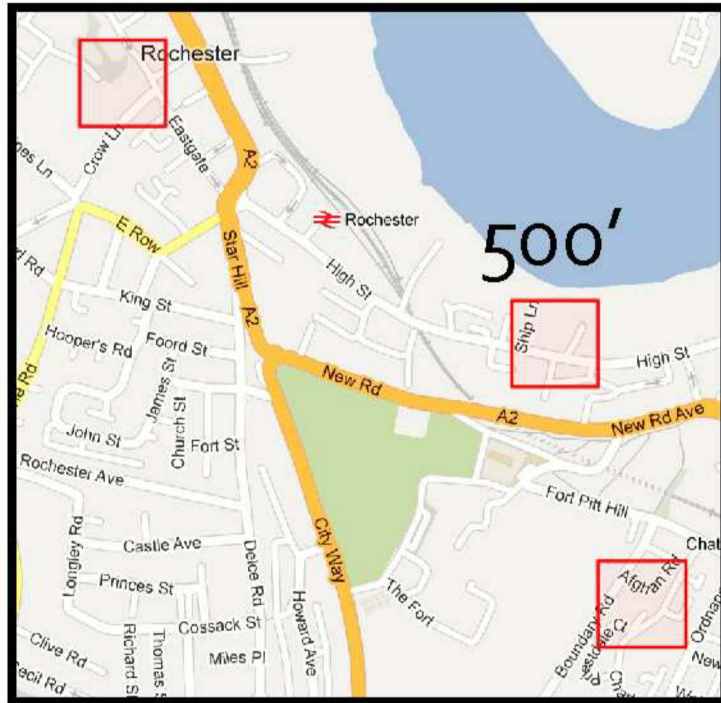
tactical ambiguity



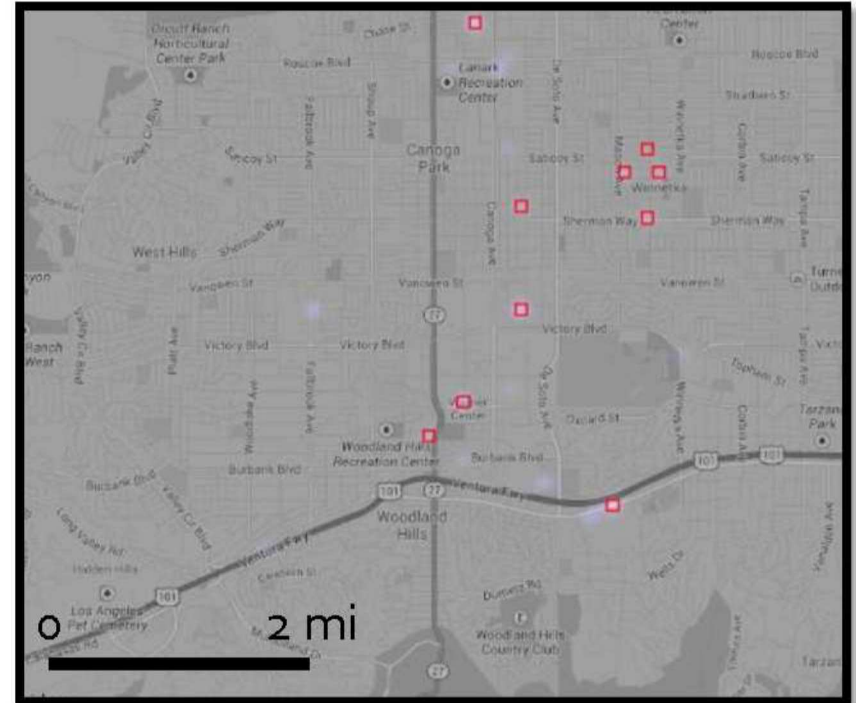
tactical clarity



dynamic micro-scale predictions



precision & tactical clarity



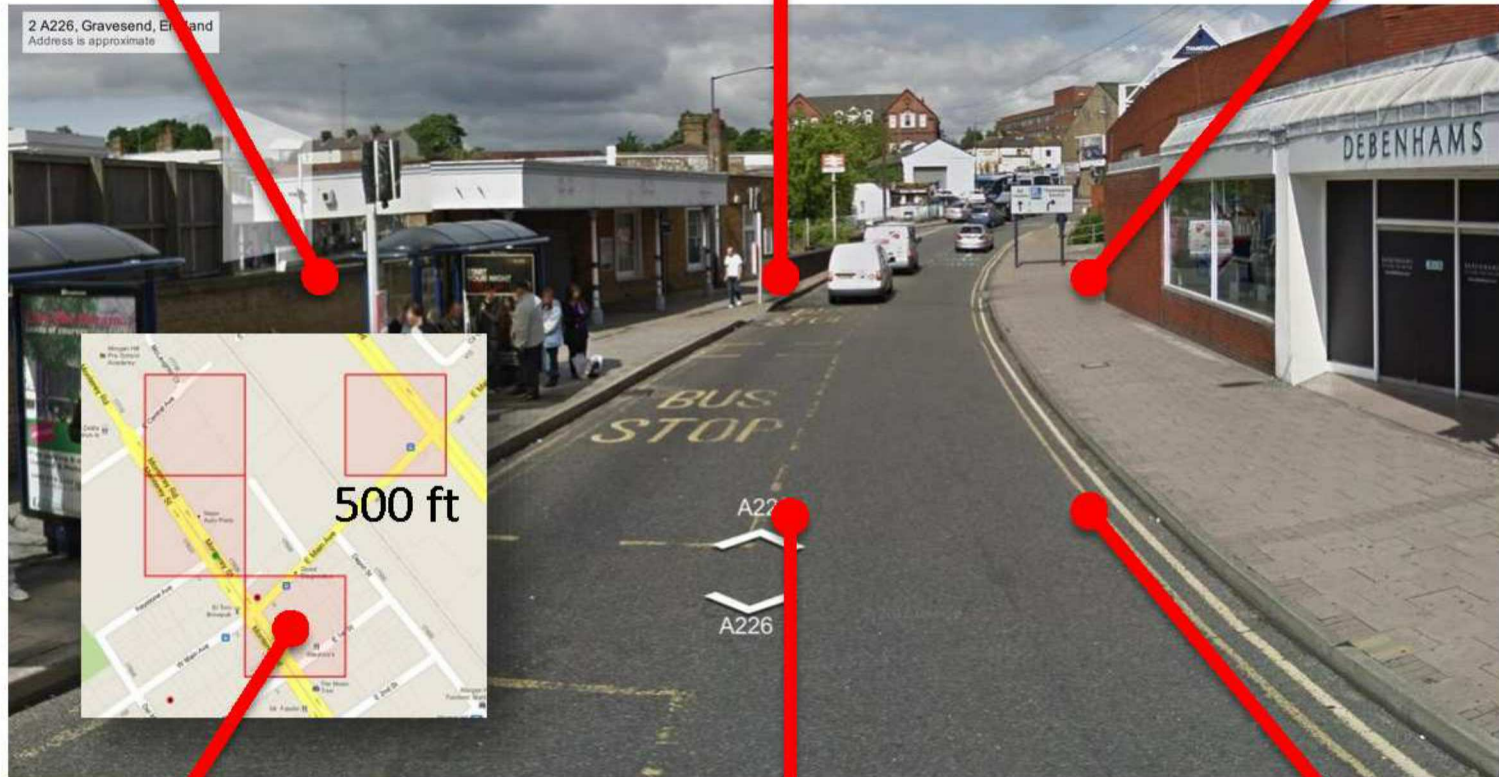
adaptive

knowledge, skills & experience

problem-oriented

environmental design

community policing

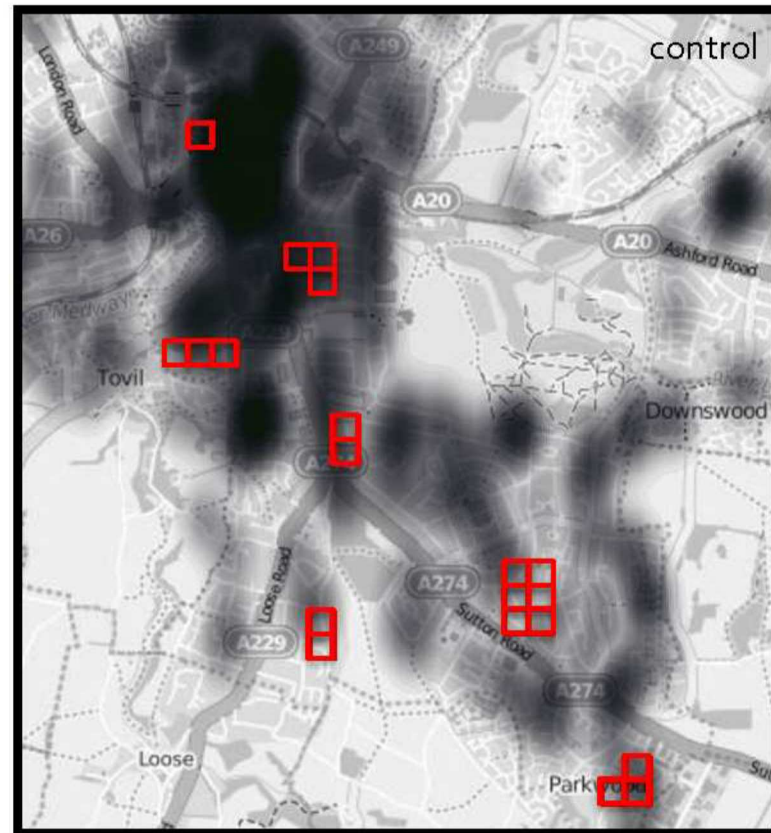
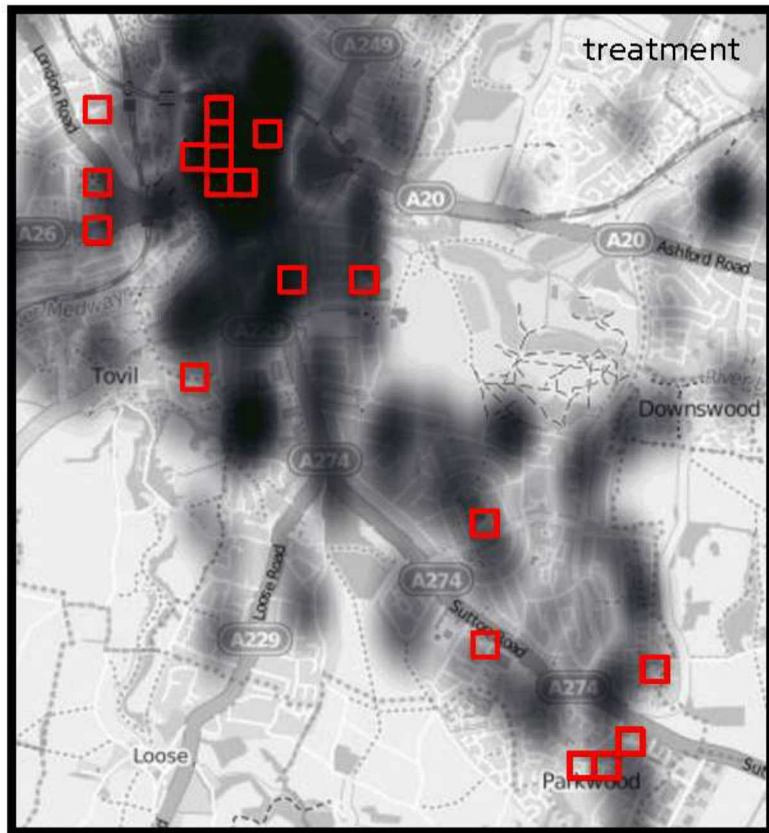


place-based

intelligence-led

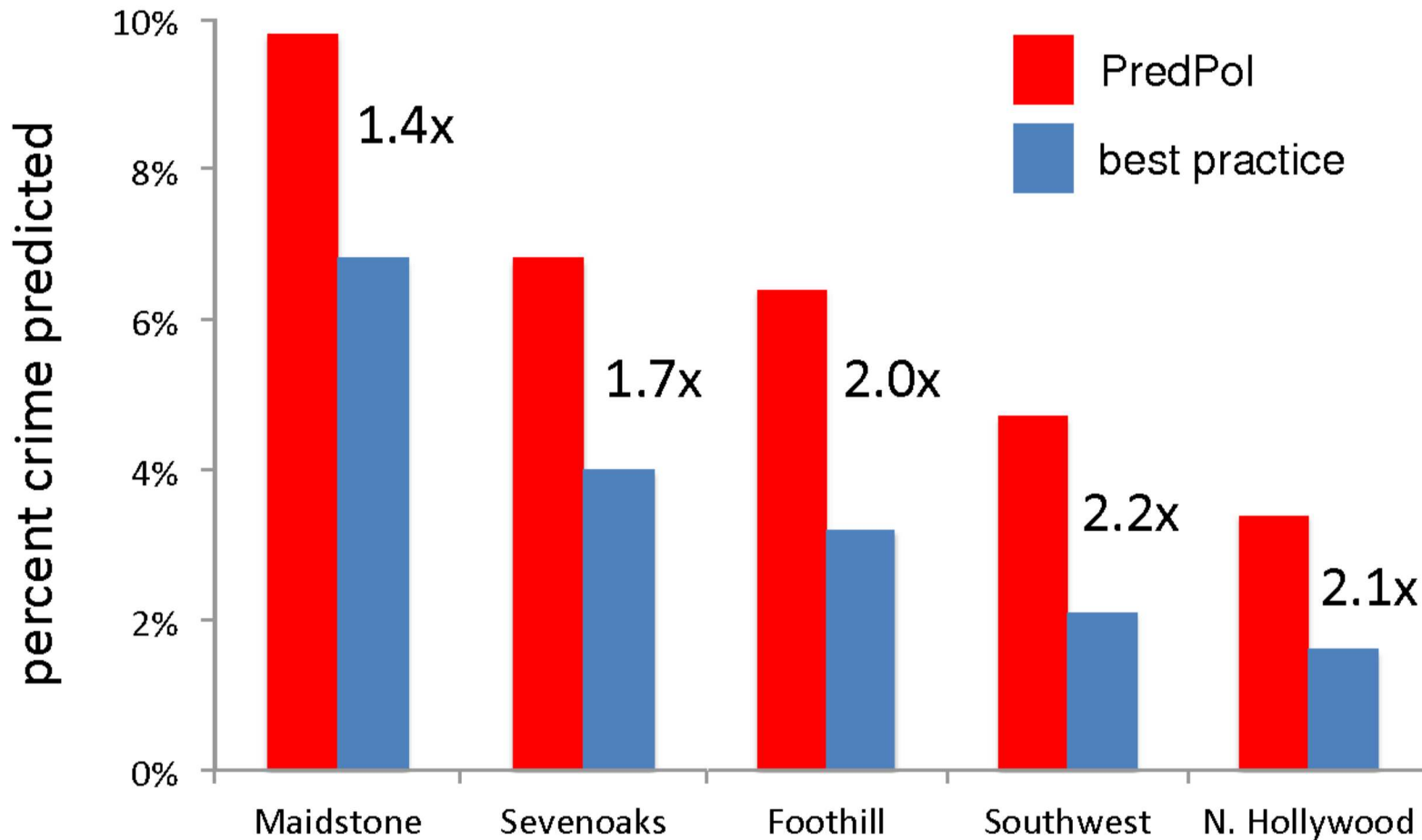
broken-windows

2. experimental testing



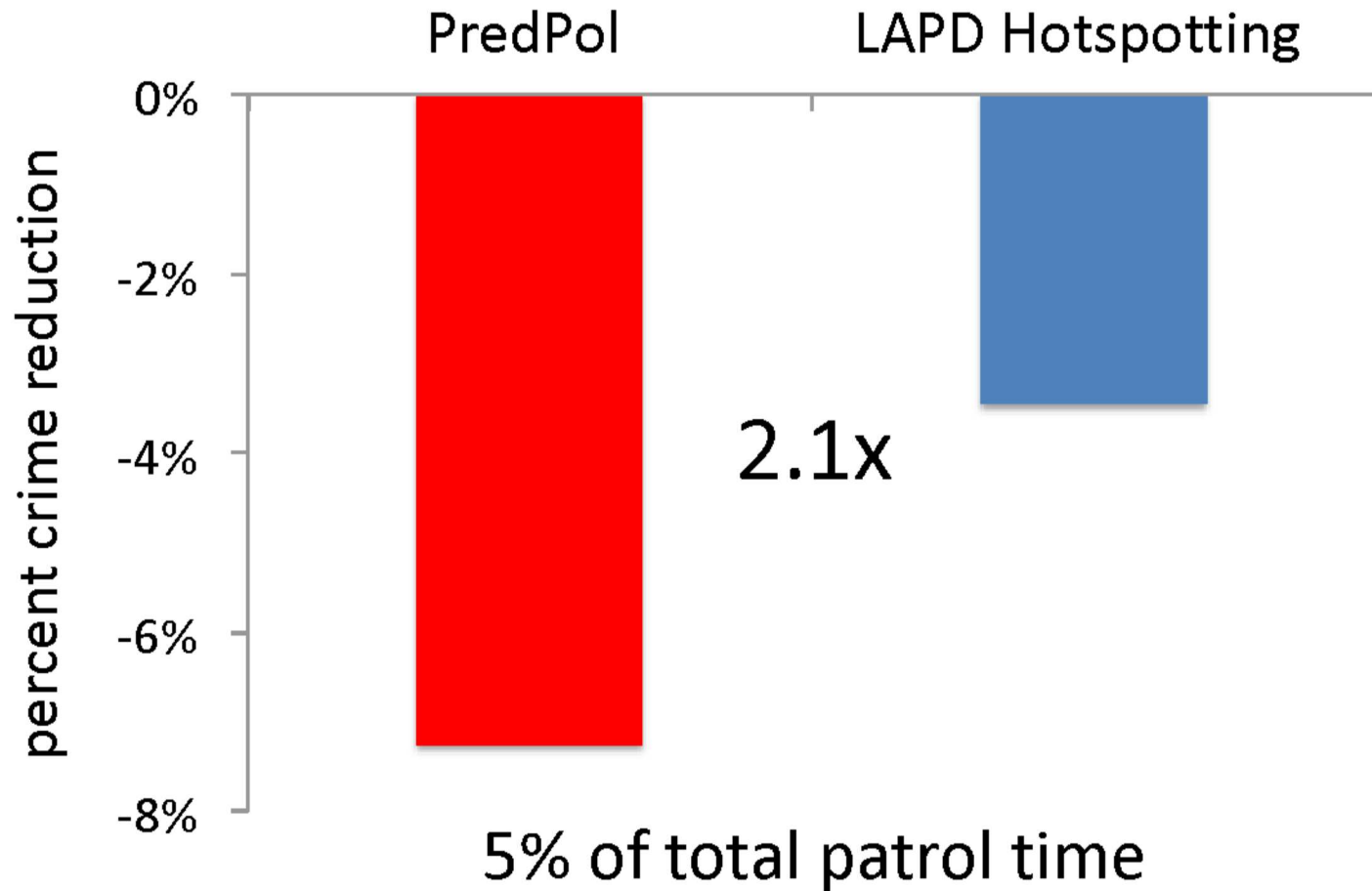
randomized controlled trials • matched areas • natural dosage experiments

head-to-head accuracy



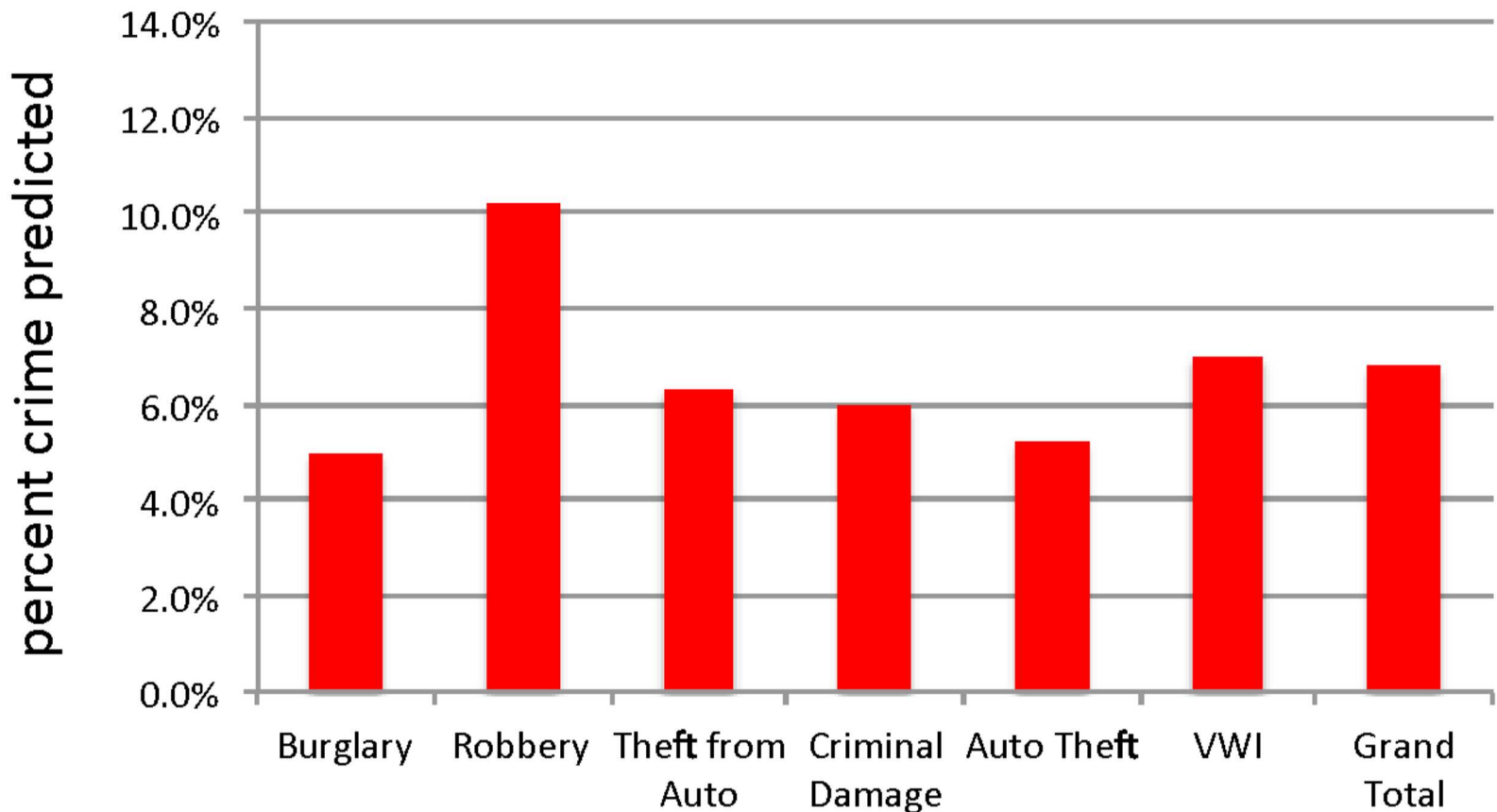
2015. Mohler et al. Randomized controlled field trials of predictive policing. *Journal of the American Statistical Association*.

head-to-head crime reduction



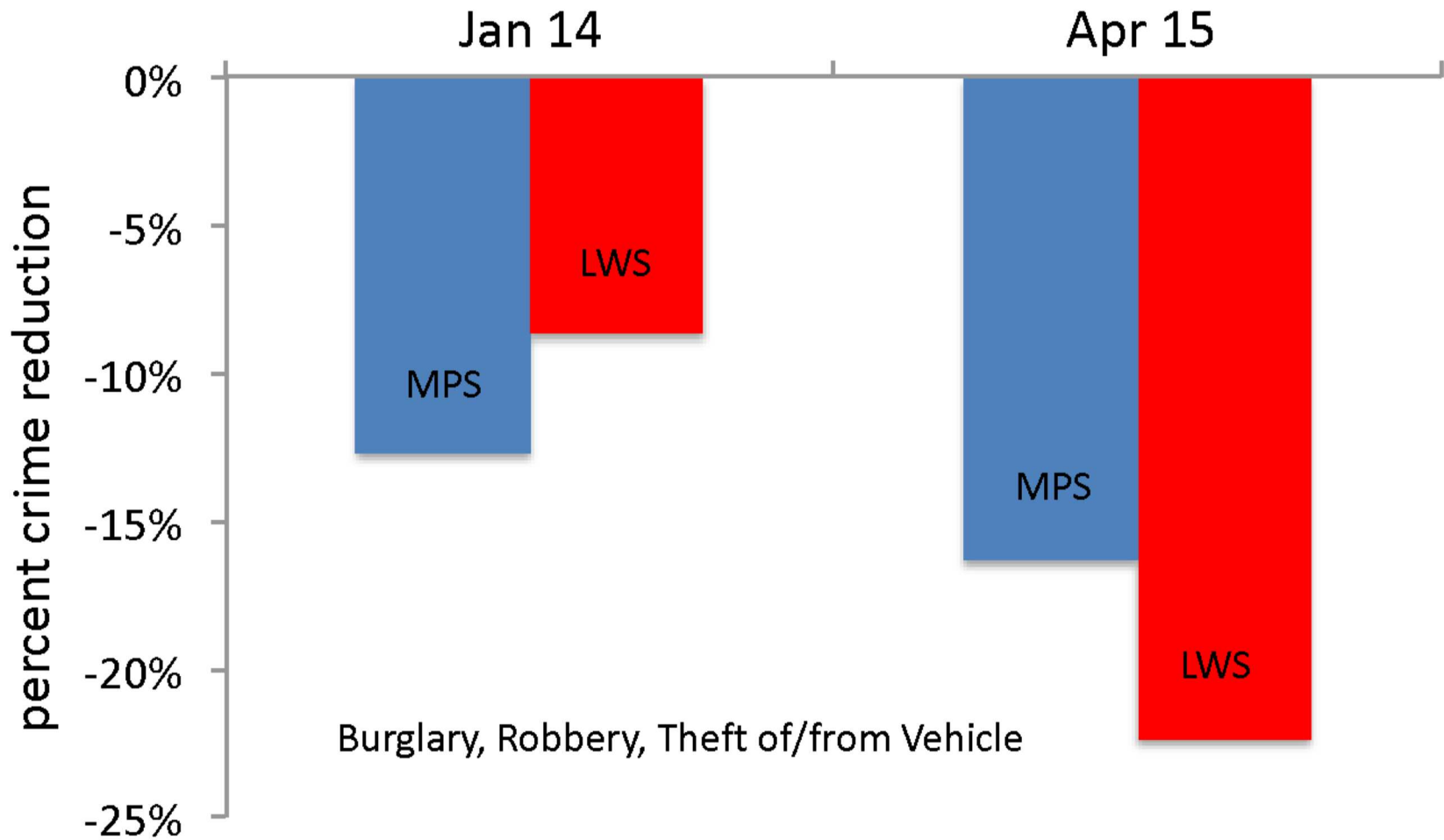
2015. Mohler et al. Randomized controlled field trials of predictive policing. *Journal of the American Statistical Association*.

MPS Lewisham Feb-Mar 15



1.2% of land area under prediction – 6.6% accuracy overall

Lewisham Crime Impact

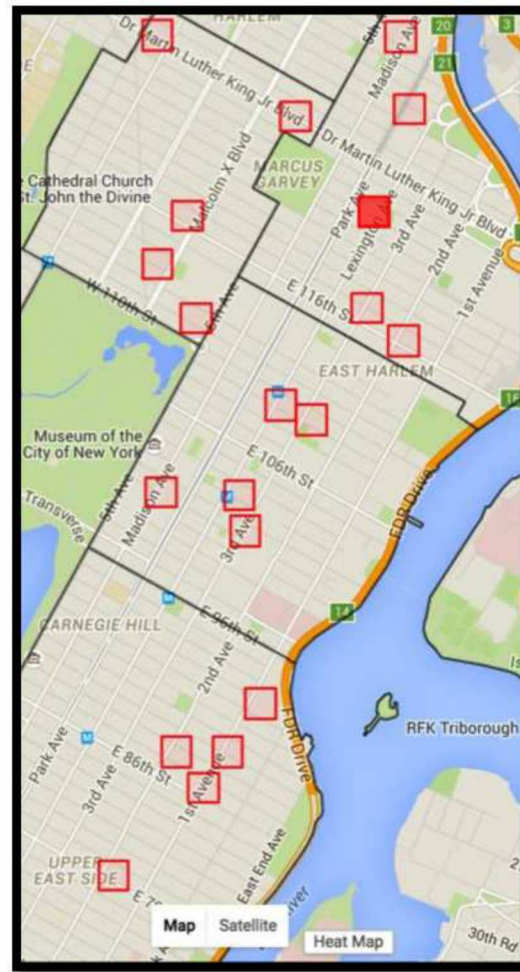


NYPD Tests July 2015

First Platoon



Second Platoon

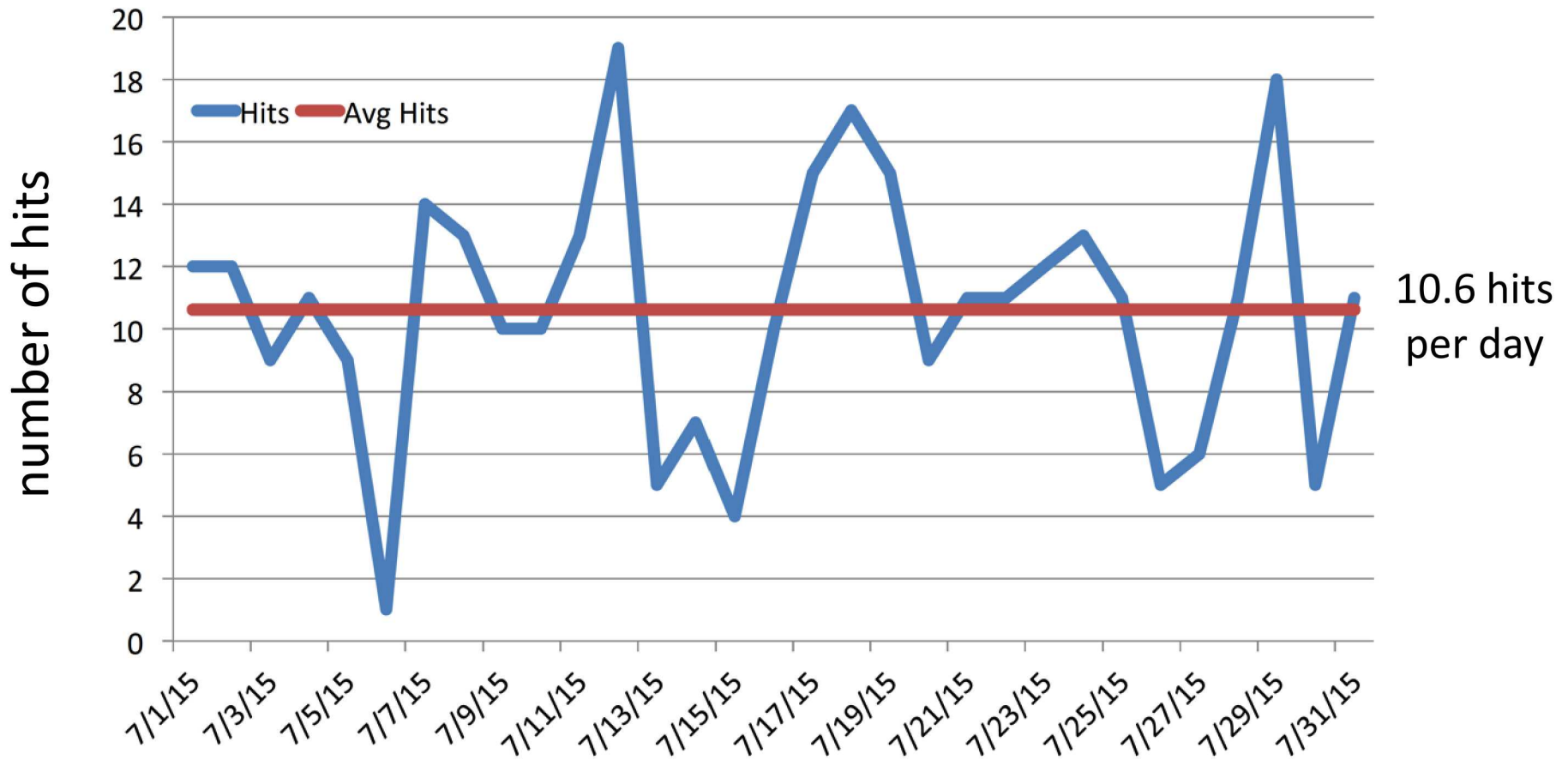


Third Platoon

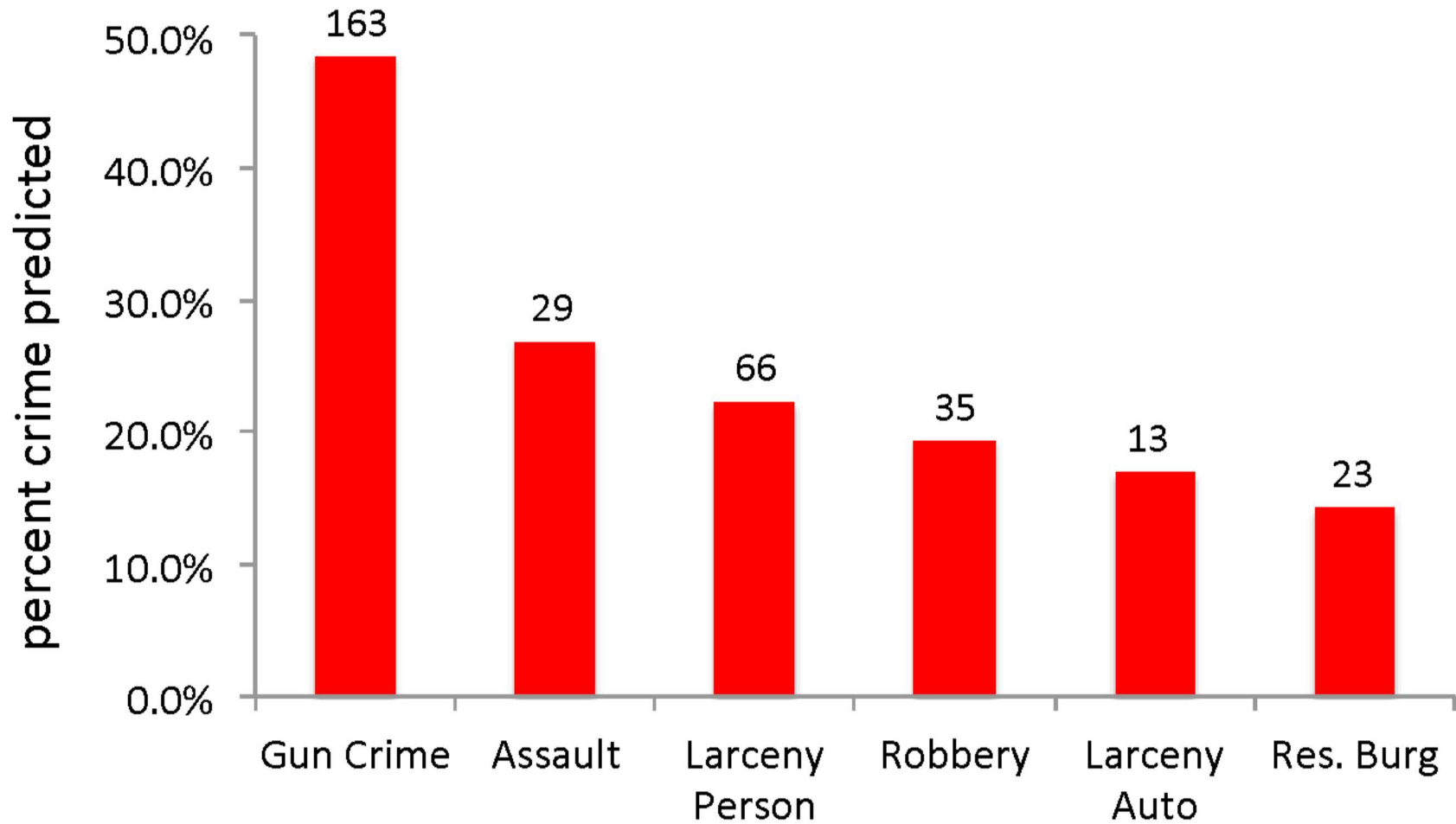


Manhattan North • Queens South • Staten Island

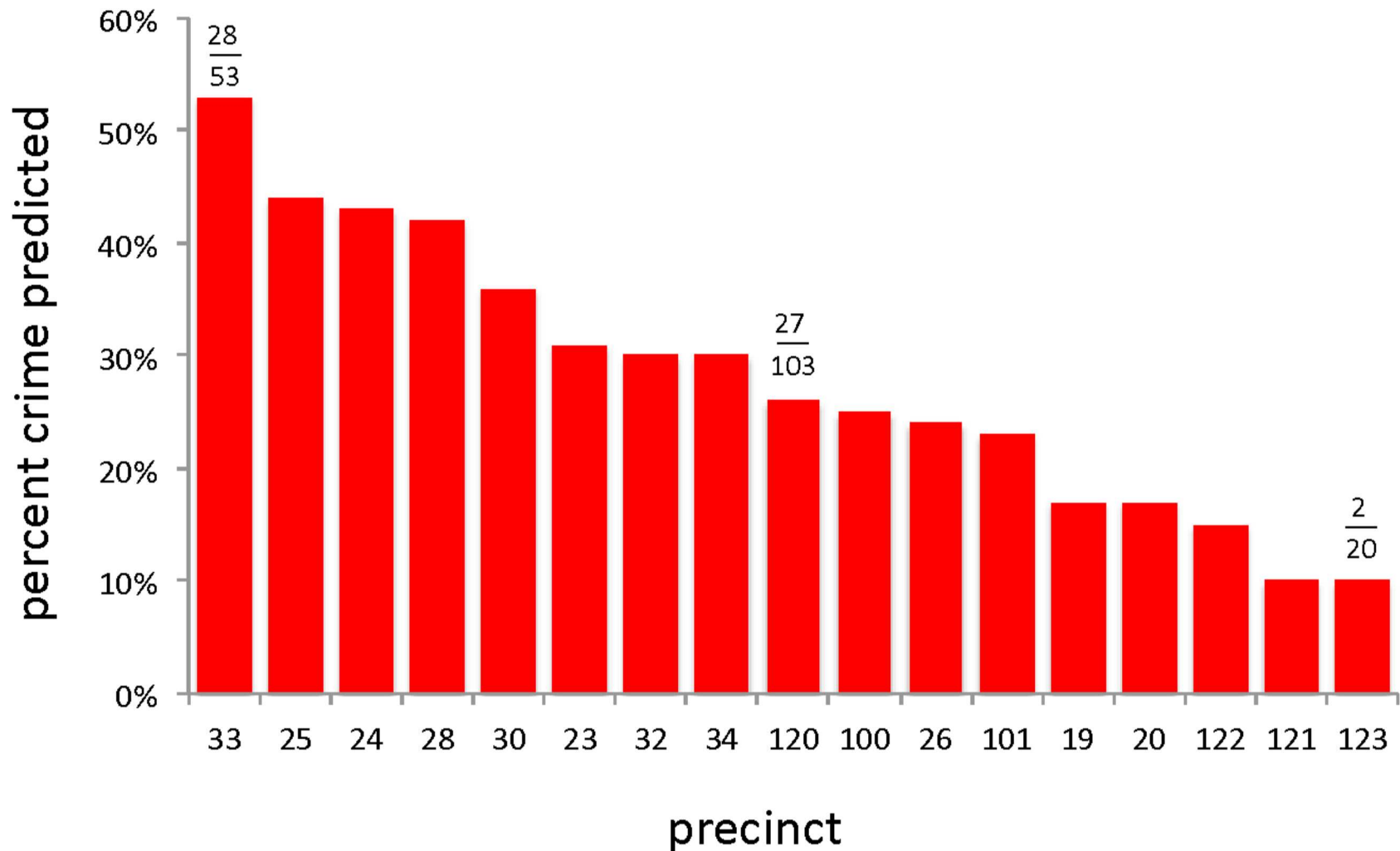
NYPD by Day July 2015



NYPD by Crime July 15



NYPD by Precinct July 2015



3. customization

mission maps

July 30, 2015 / Day
Robbery, Violent Crimes, Burglary, Vehicle Crimes

A 85 Crystal Av	B 469 Ryerson Ave
E 250 S Grove Ave	F 600 Villa St
I 100 W Chicago St	J 355 E Chicago St
M 1585 Dundee Ave	N 841 Bode Rd

real-time dosage tracking

THIS SHIFT THIS WEEK MORE ▾

Patrol Dosage - Day

118 minutes

07:00 - 15:00

user, data & deployment management

My Profile Users Department Audit Report Crime Search Districts

shift & crime

DAY

Crime Types for predictions and history

- Robbery
- Violent Crimes
- Burglary
- Vehicle Crimes
- Theft
- Gang Crime

Crime History days of crime to map

3 7 14 28

pre-schedule missions

Mission Schedule		
Monday	Watch 1	AM Resd/Auto Burg
	Watch 2	AM Resd/Auto Burg
	Watch 3	PM Comm/Auto Burg - Auto Theft
	Watch 4	PM Comm/Auto Burg - Auto Theft
Tuesday	Watch 1	AM Resd/Auto Burg
	Watch 2	AM Resd/Auto Burg
	Watch 3	PM Comm/Auto Burg - Auto Theft

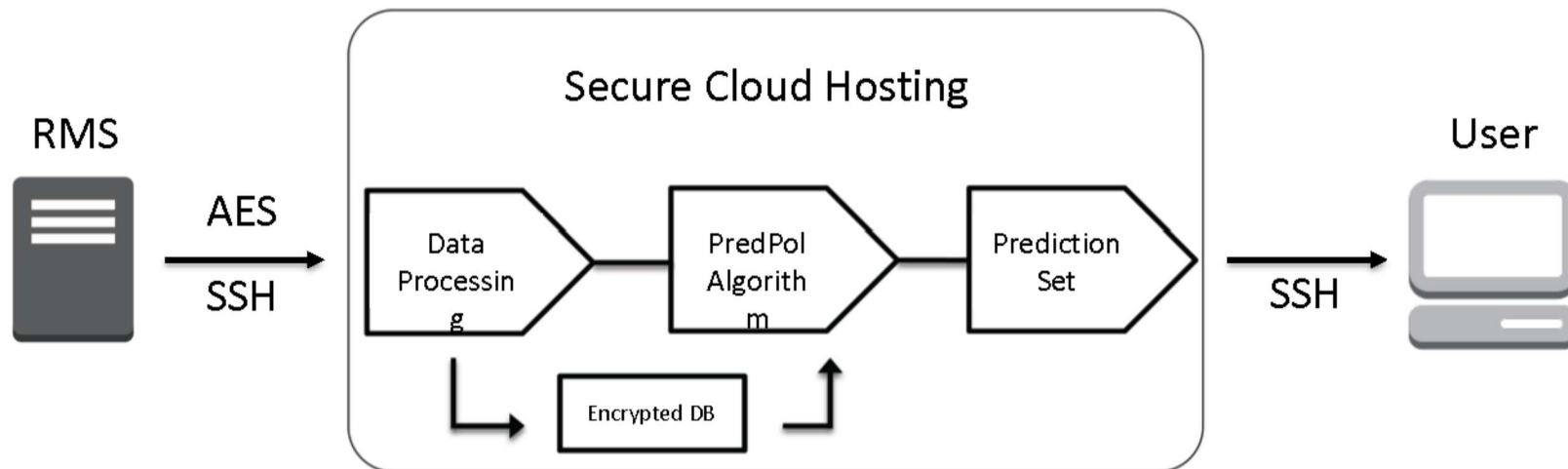
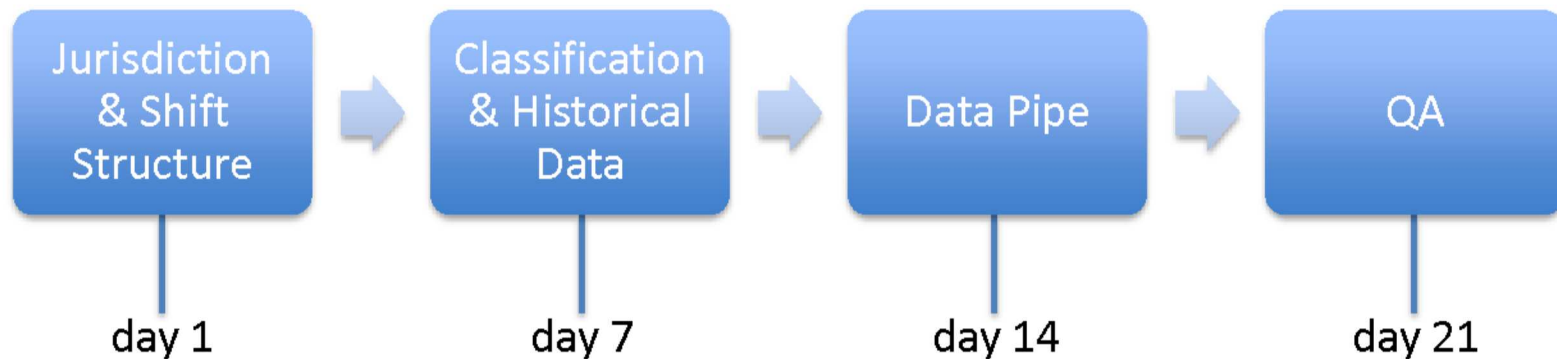
hit-scoring

Hit Score

Type In ProdPol Boxes In Perimeter Boxes

Type	In ProdPol Boxes	In Perimeter Boxes
Robbery	1	0
Violent Crimes	8	38
Burglary	3	11
Total	39	118

4. implementation & security



5. integration

web & mobile

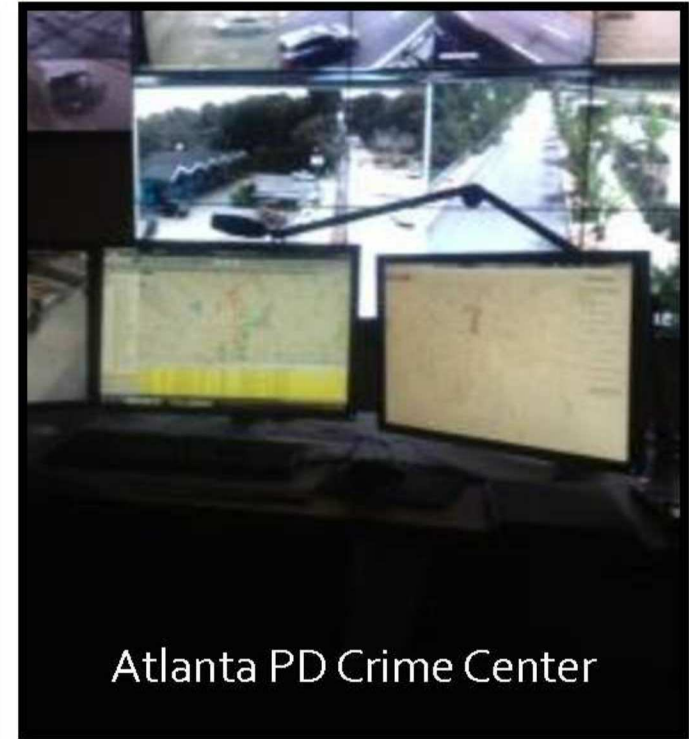


automated delivery

Foothill PredPol

PQ 7654 LAUREL CANYON BL BC 16A81	PH 10274 Tujunga Canyon Boulevard
PR 8500 Sunland Boulevard BC 16A77	PB 12016 Neenach Street
PF 11961 Allegheny Street BC 16A77	PG 9460 Laurel Canyon Bl
PK 13053-13077 Carl Street BC 16A23	PL 10855 Fellows Avenue BC 16A23
PO 11374 BORDEN AV BC 16A23	PP 12360 Foothill Boulevard BC 16A11

full API integration



Atlanta PD Crime Center

PredPol

is NOT:

- profiling of individuals
- a replacement for knowledge, skills & experience
- new infrastructure

IS:

- accurate prediction of crime location & time
- day-to-day operations focused
- a means for reducing the costs of crime



Questions?

