



PredPol is not a Black Box

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PredPol

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Key Points

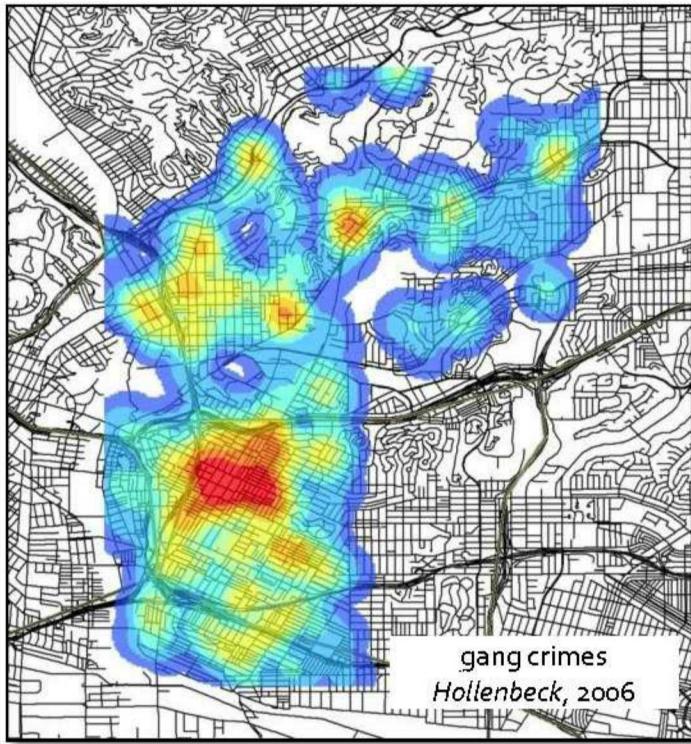
1. functionality – the science behind PredPol
2. testing – randomized trials & deployments
3. customization – no distractions
4. implementation & security – fast & robust
5. integration – flexible, seamless fit
6. demonstration – PredPol live



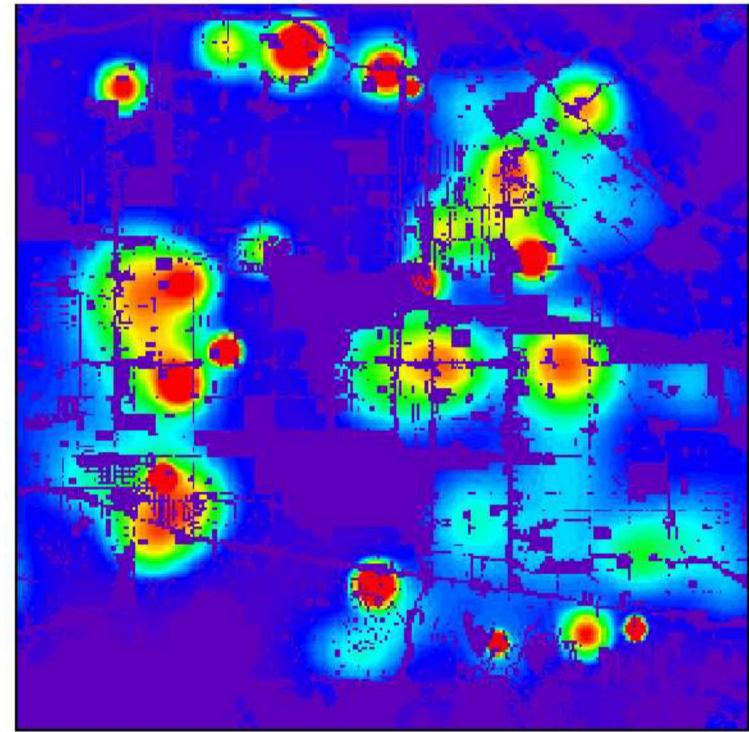
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1. functionality



long-term resource allocation



chase overnight crime

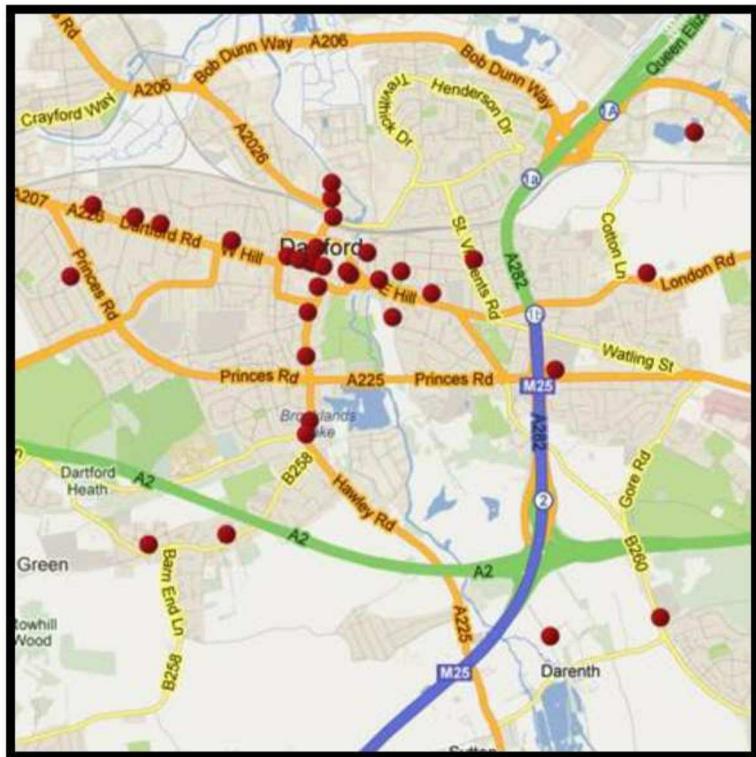


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event data + math



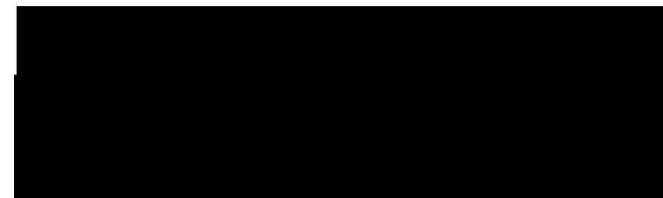
near real-time data

repeat victimization

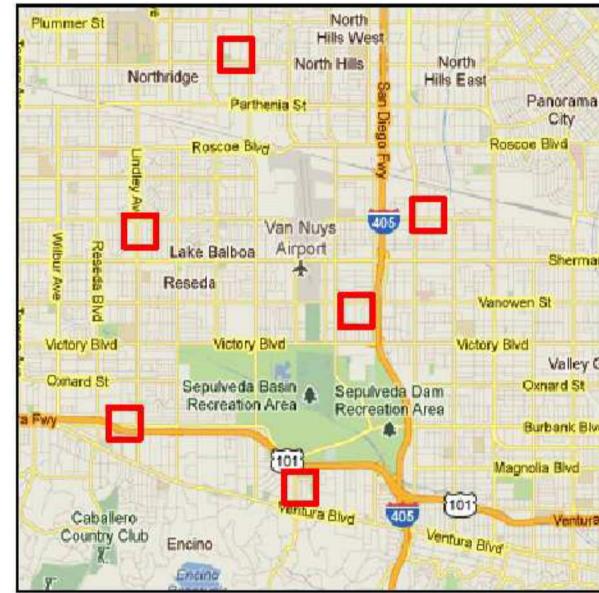
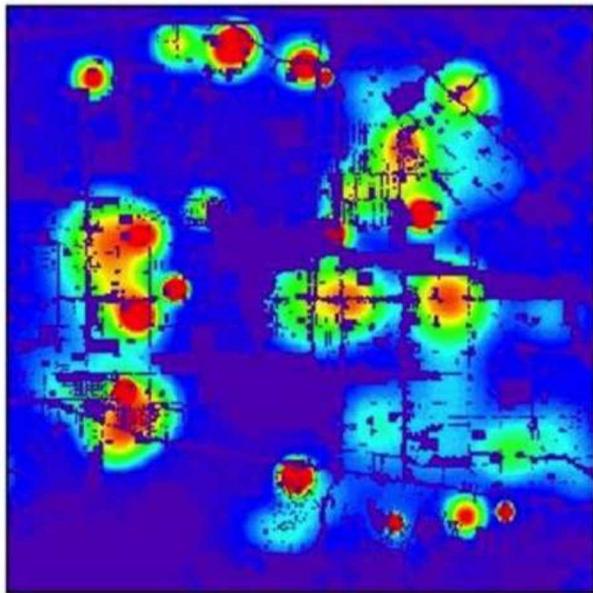


near-repeats

generators



low friction



tactical ambiguity

tactical clarity

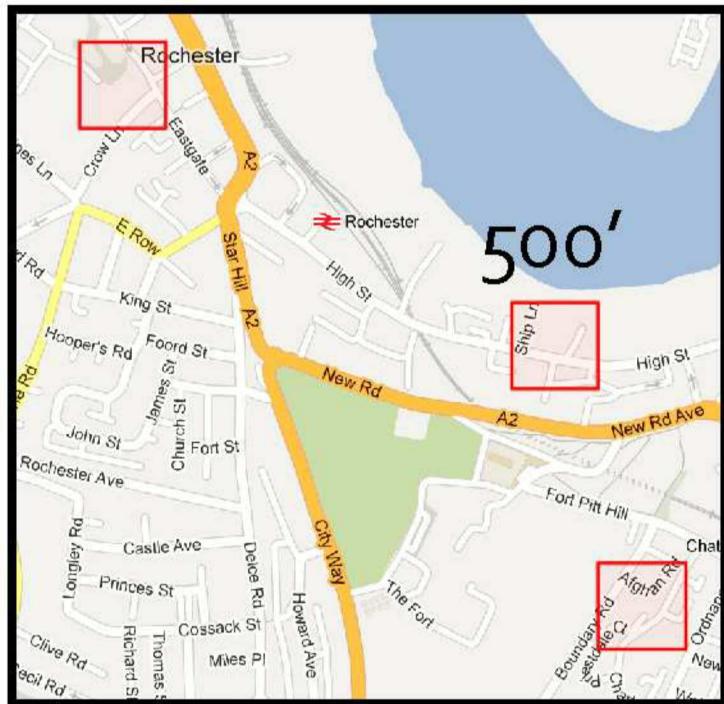


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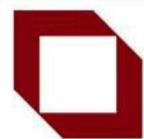
dynamic micro-scale predictions



precision & tactical clarity



adaptive



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knowledge, skills & experience

problem-oriented



environmental design



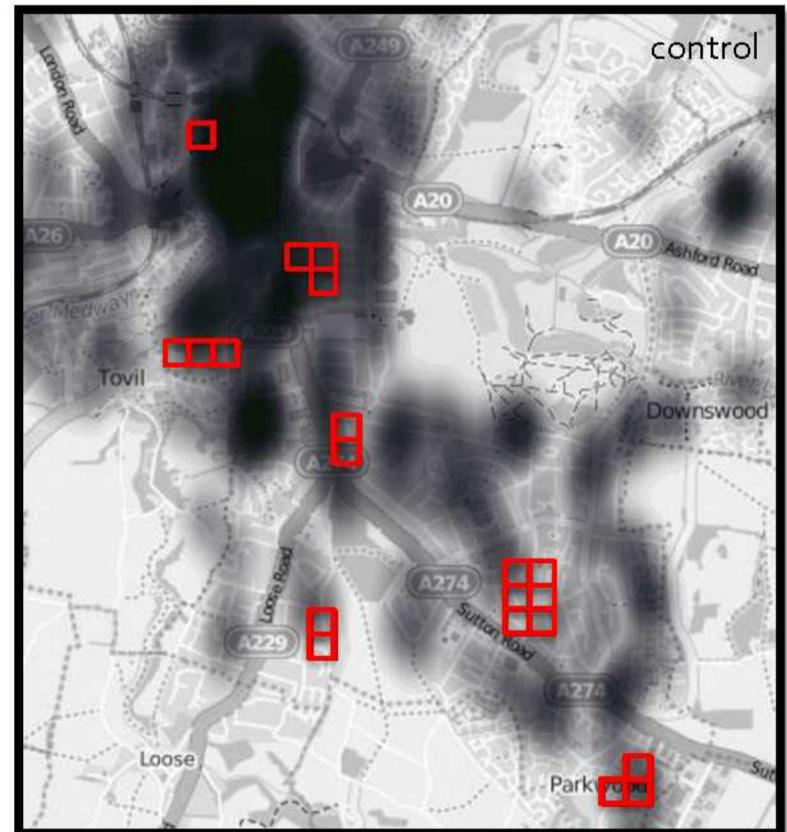
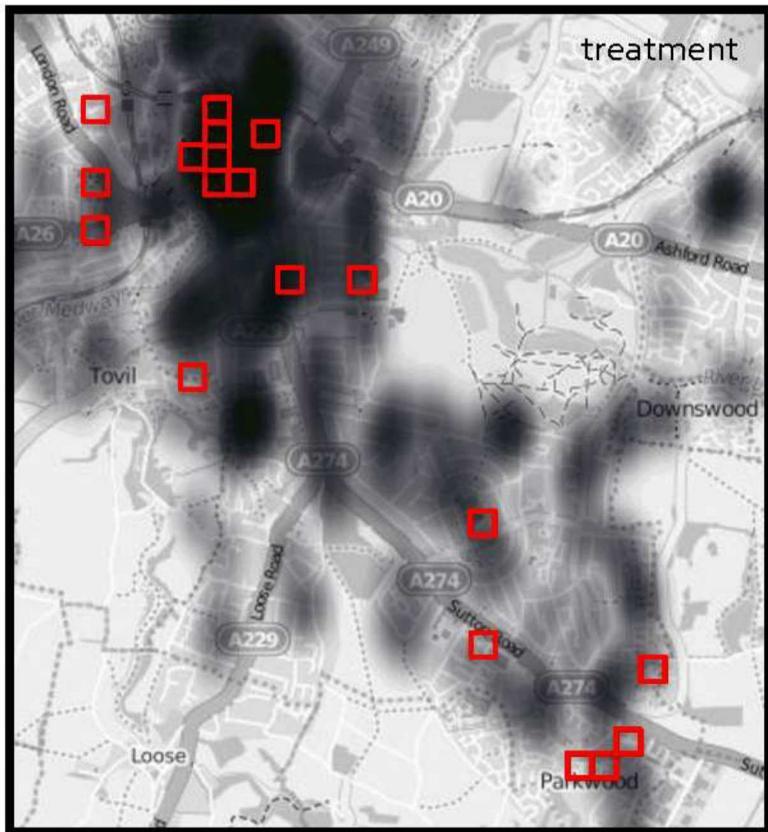
community policing

place-based

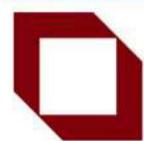
intelligence-led

broken-windows

2. experimental testing



randomized controlled trials • matched areas • natural dosage experiments

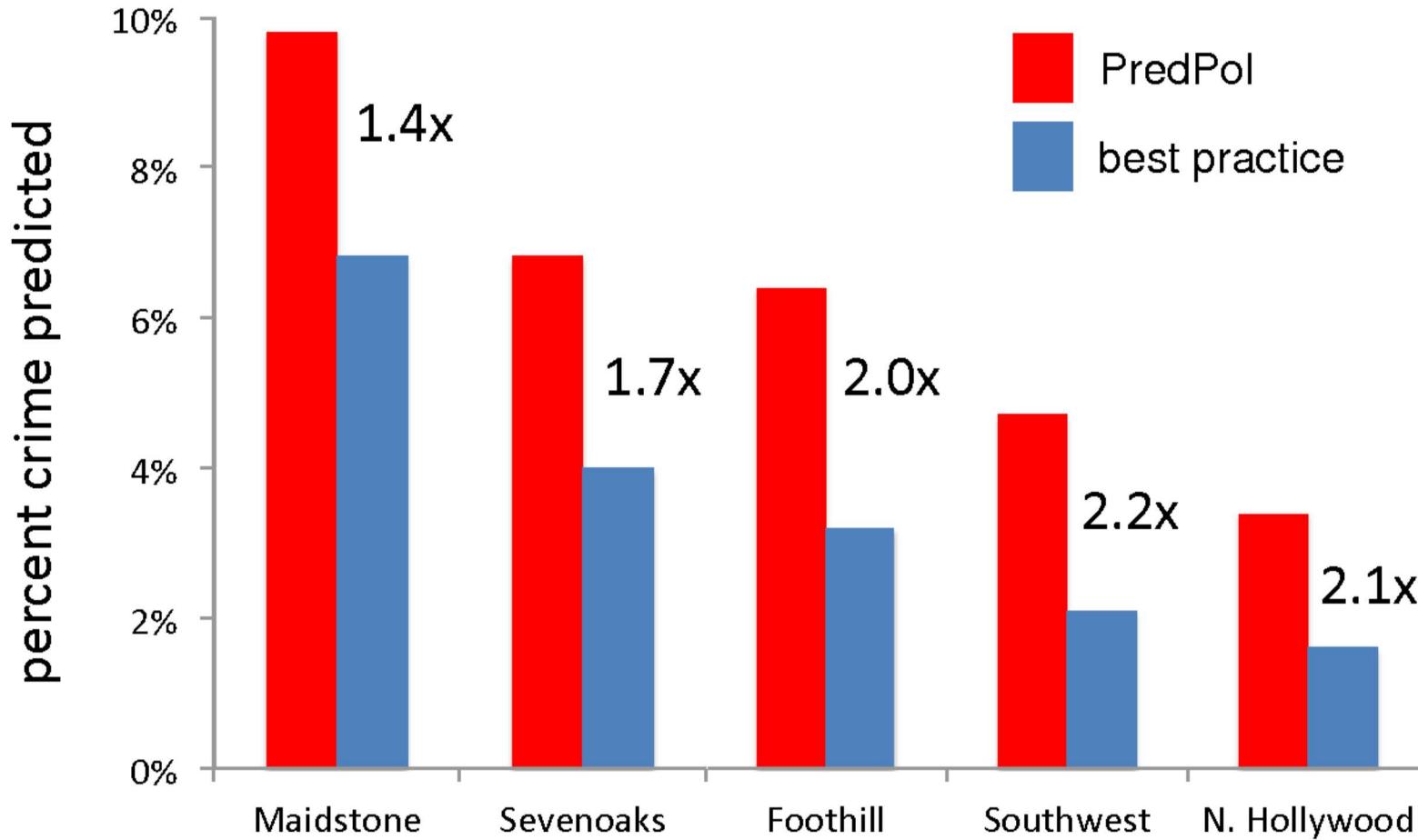


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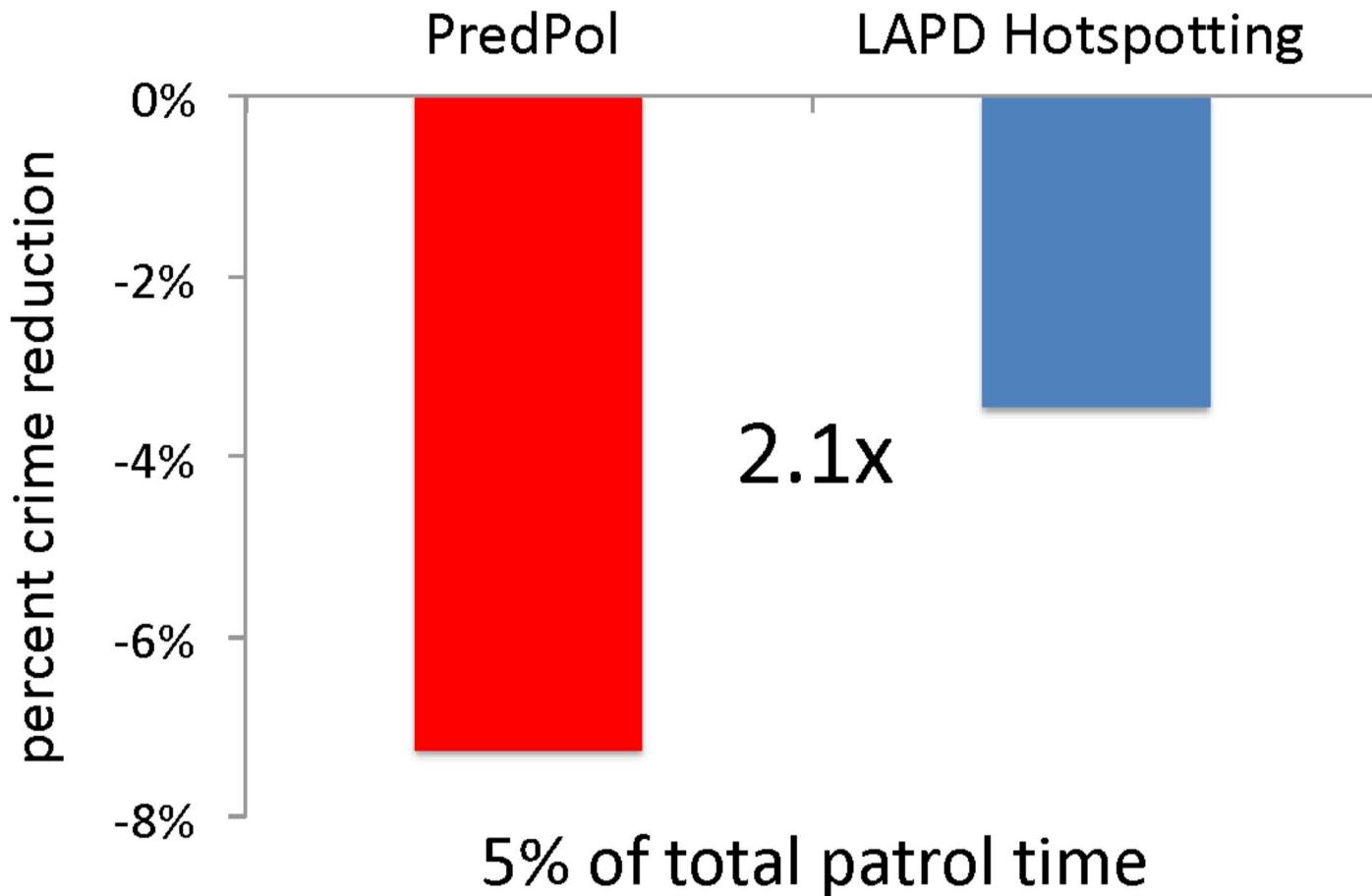
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head-to-head accuracy



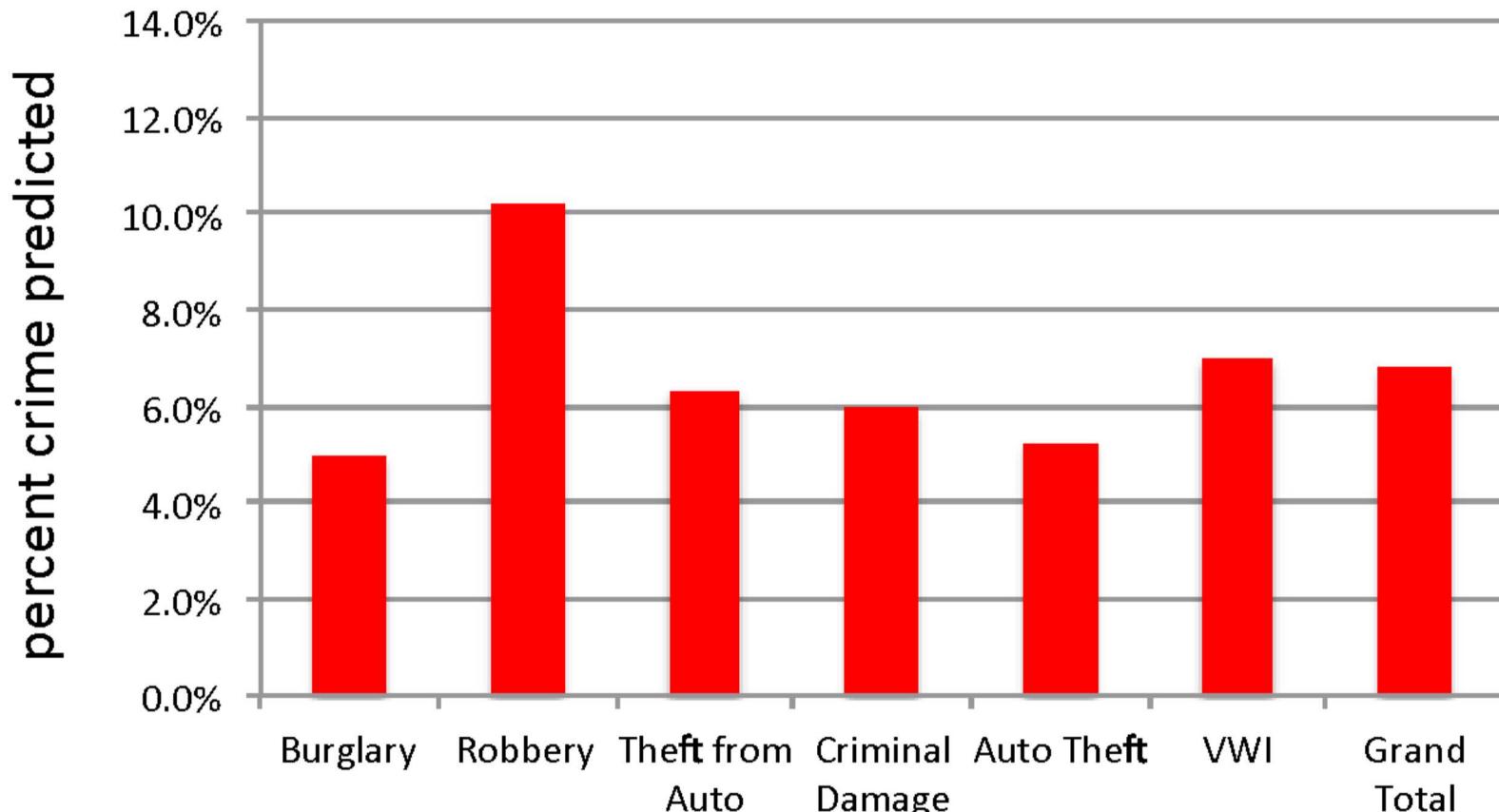
2015. Mohler et al. Randomized controlled field trials of predictive policing. *Journal of the American Statistical Association*.

head-to-head crime reduction



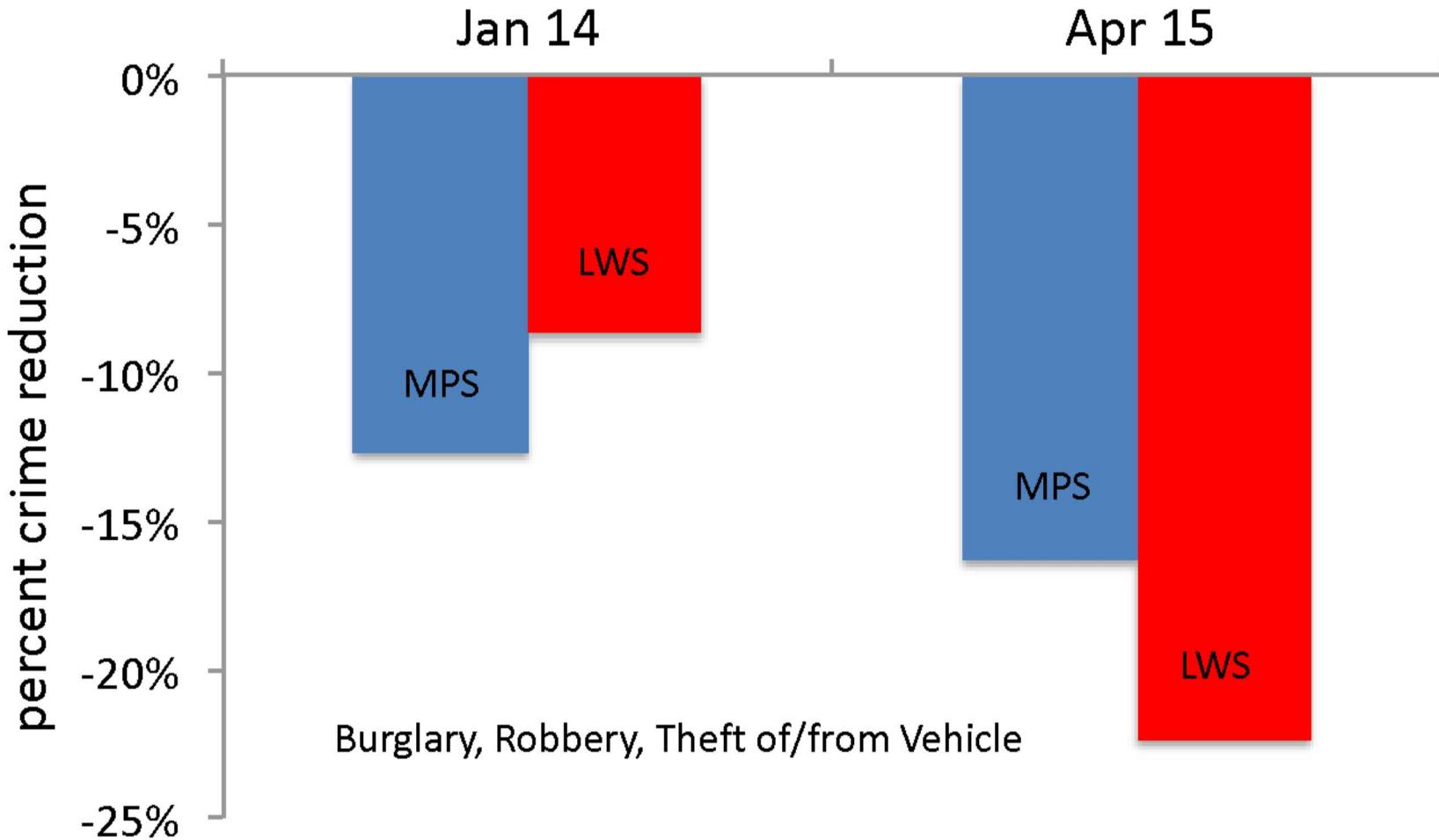
2015. Mohler et al. Randomized controlled field trials of predictive policing. *Journal of the American Statistical Association*.

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



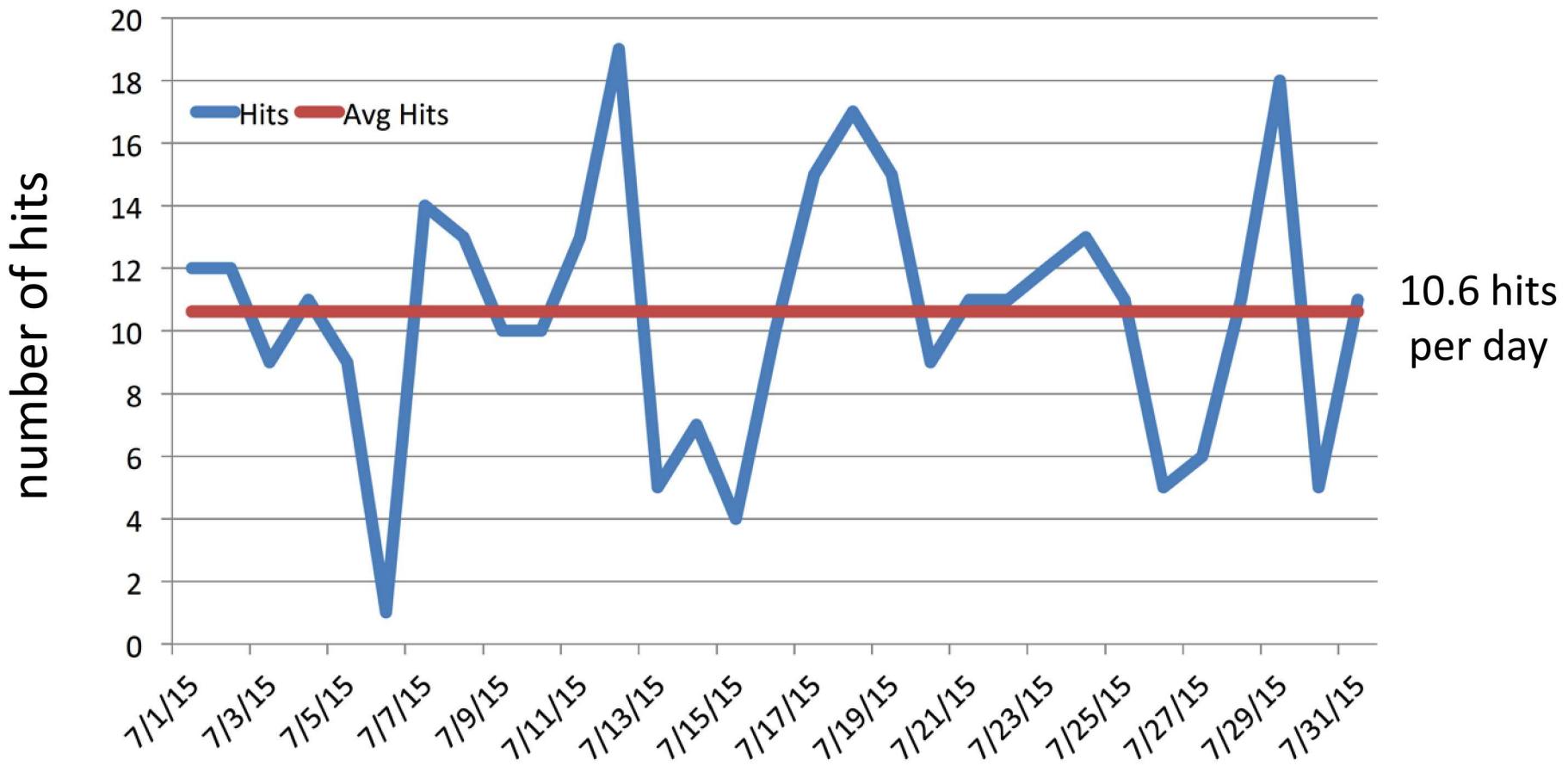
Third Platoon



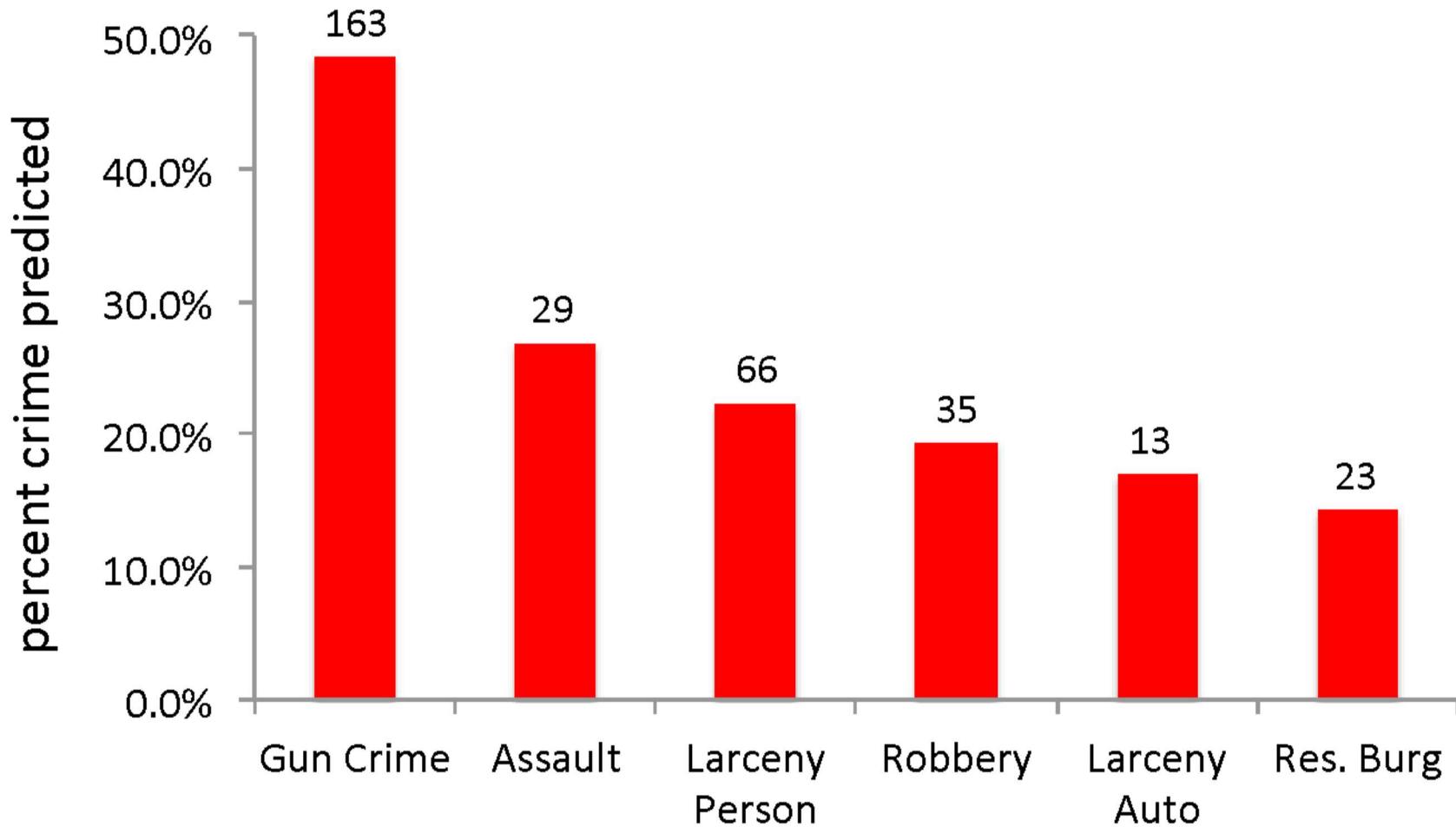
Manhattan North • Queens South • Staten Island

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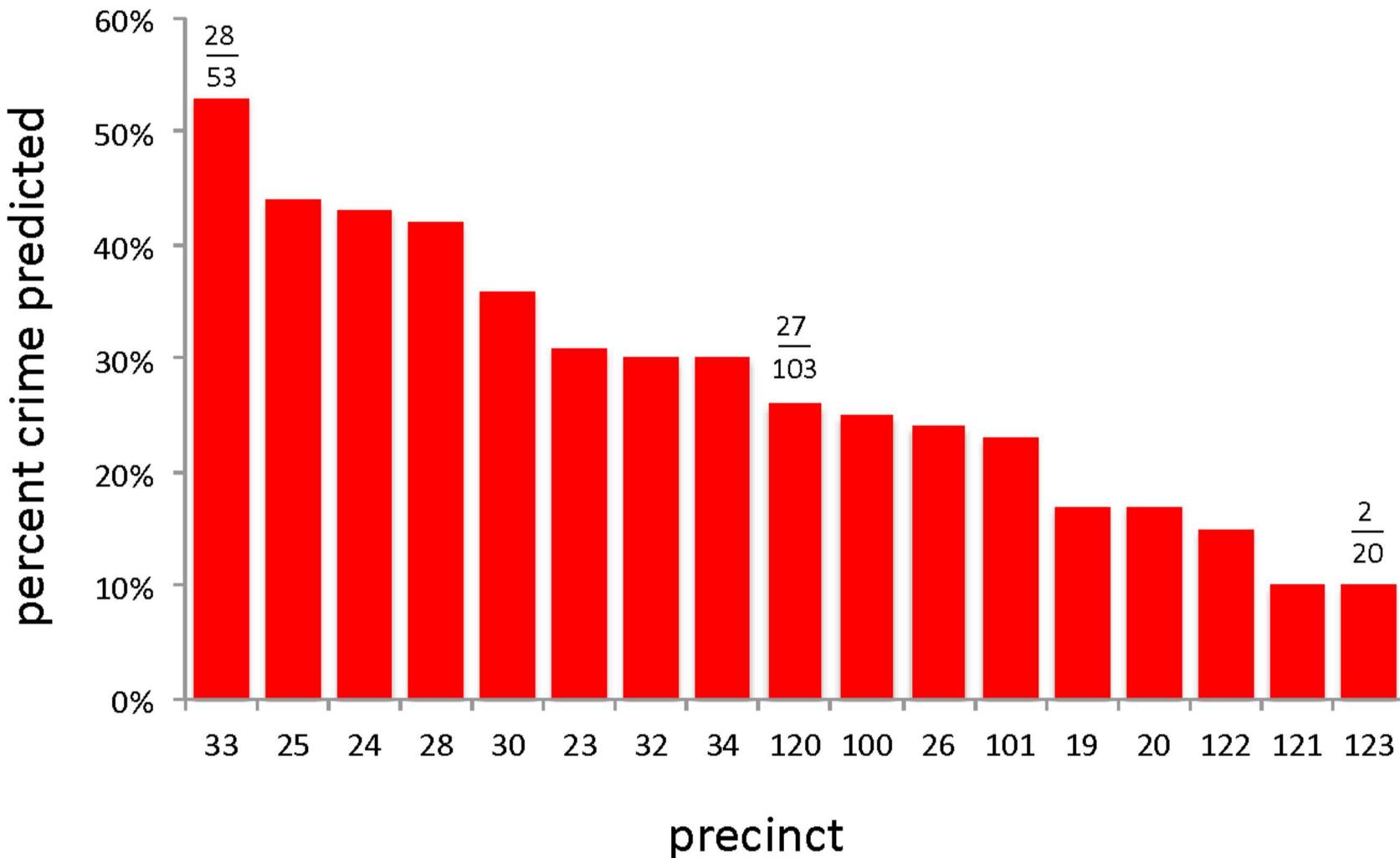
NYPD by Day July 2015



NYPD by Crime July 15



NYPD by Precinct July 2015

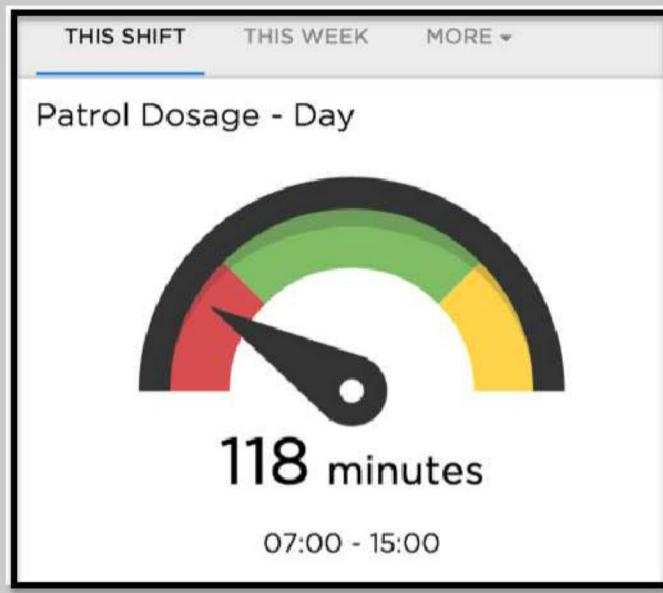


3. customization

mission maps



real-time dosage tracking



user, data & deployment management



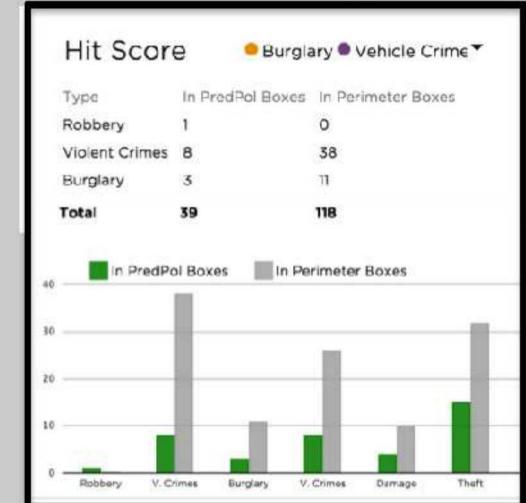
shift & crime



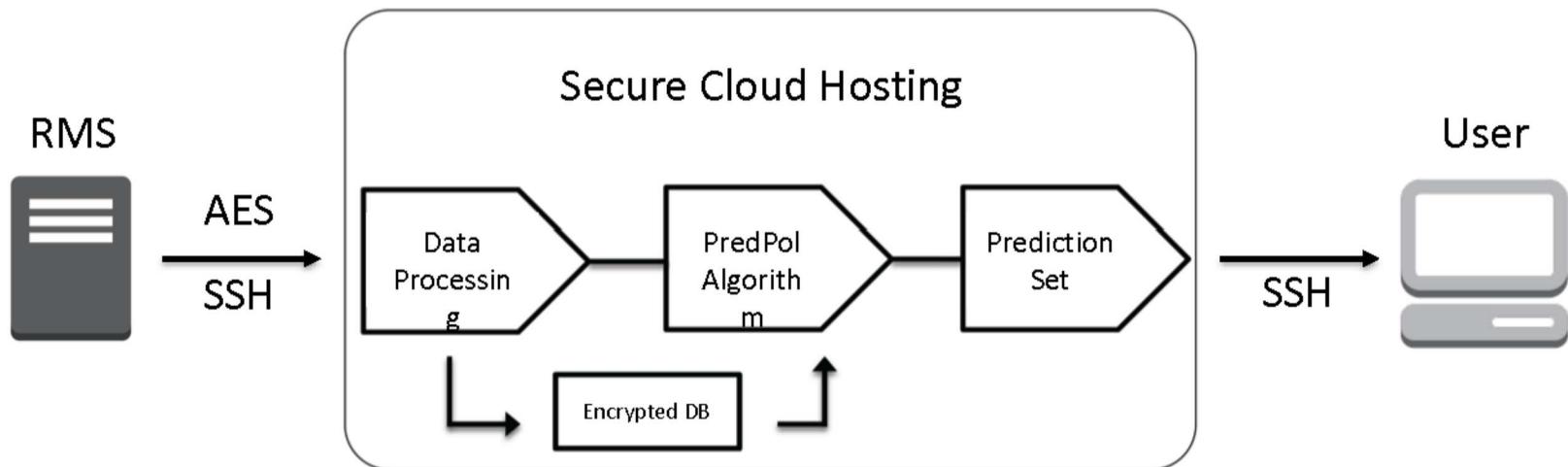
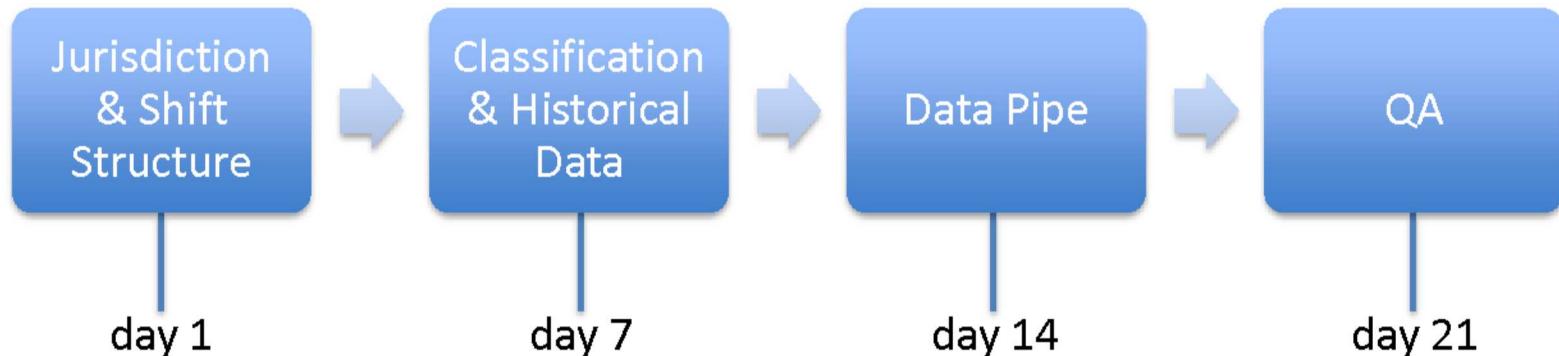
pre-schedule missions

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



4. implementation & security



5. integration

web & mobile

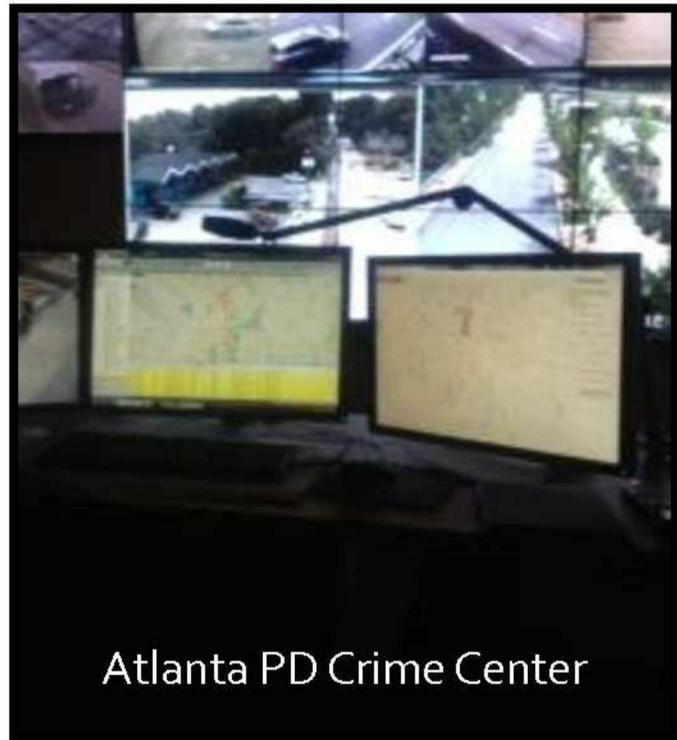


automated delivery

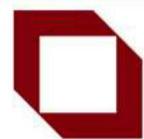
Foothill PredPol

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



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PredPol

is NOT:

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

IS:

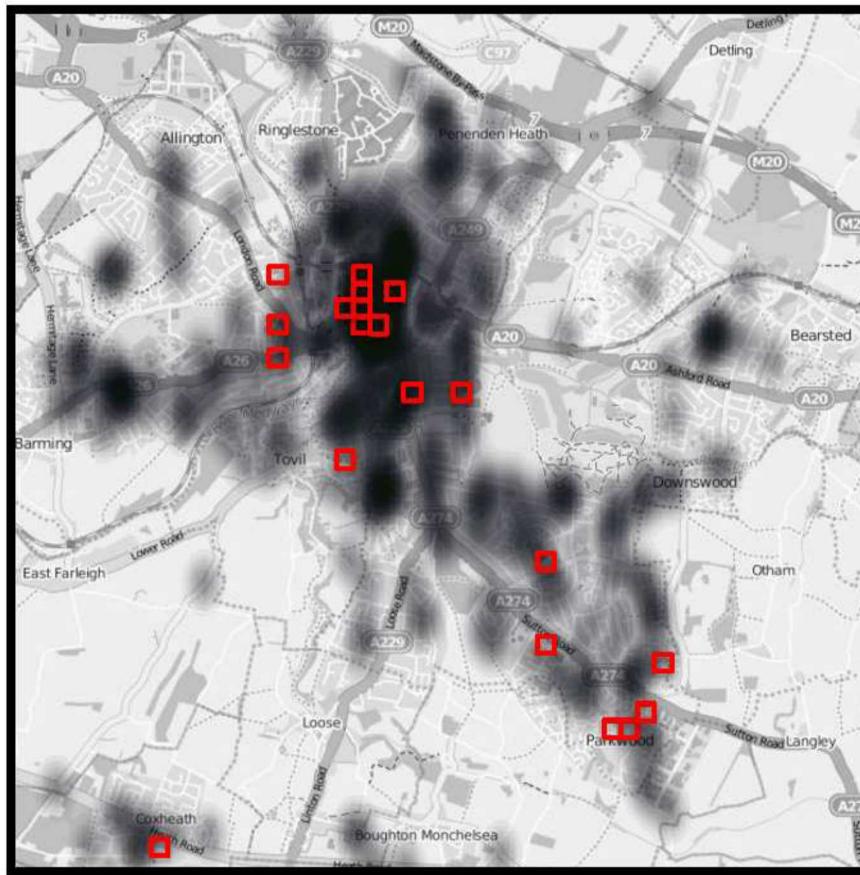
- accurate prediction of crime location & time
- day-to-day operations focused
- a means for reducing the costs of crime



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Questions?



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