The White House Police Data Initiative

Using Data and Technology to Build Community Trust

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Background – 21st Century Policing Task Force

Last December, President Obama launched the Task Force on 21st Century Policing to better understand specific policing challengers and help communities identify actions they can take to improve law enforcement and enhance community engagement.

The President's Task Force on 21st Century Policing Report emphasized the importance of data and technology in helping local law enforcement agencies excel in their work, increase transparency, and build community trust.

Fourteen of the Task Force recommendations specifically address a combination of data, technology, and transparency.

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"We've launched a **Police Data Initiative** that's helping Camden and other innovative cities use data to strengthen their work and hold themselves accountable by sharing it with the public."
- May 18th, 2015

Police Data Initiative Overview

Open Data and Policing (External)

- Use open data to increase transparency, build community trust, and support innovation.
  - Departments share disaggregated data about police-citizen interactions (i.e. policing) with the public in machine-readable formats
  - Identify and disseminate best practices through a community of practice

Data Analysis to Improve Policing and Accountability (Internal)

- Better use advanced data analytics to improve early intervention systems, increase responsiveness to community needs, and validate successful training and interventions
  - Departments work alongside, and share data (primarily through data-sharing agreements) with researchers and data scientists for analysis

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Overview of PDI's Key Activities

- Find, share, and encourage replication of innovative work already underway across the country.

- Bring city and county leaders together with top technologists, researchers, data scientists and design experts to collaborate on ideas and solutions.

- Host collaborative and community-based events, such as hackathons, to develop, test and validate new ideas and tools with all stakeholders.

- Create platforms, resources and mechanisms to share best practices and lessons learned.

Key Participants

Participants:
- Law enforcement agencies
- Municipal Chief Technology Officers/Chief Data Officers

Core Enabling Partners:
- The White House
- Presidential Innovation Fellows
- The International Association of Chiefs of Police
- The Police Foundation
- Code for America

Other Partners:
- Leaders from major cities and counties
- Technologists, researchers, and data scientists
- Law enforcement thought leaders
- Foundation and nonprofits

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Theory of Change

Increased transparency, and the act of consistent data release to the public will inherently help to build and sustain trust in the communities that our law enforcement partners serve.

Civic technologists, community members, and others are a crucial part of the supporting ecosystem, as they can use the data to build value-enhancing tools that provide productive pathways for feedback, accountability, and engagement between police and citizens.

The Open Data and Policing Work is…

- NOT a centralized database, or federal database, of police activities

- NOT data published in PDFs or locked behind online maps or other data visualizations

- NOT data about crimes, but rather data about the activity of policing, and interactions with citizens
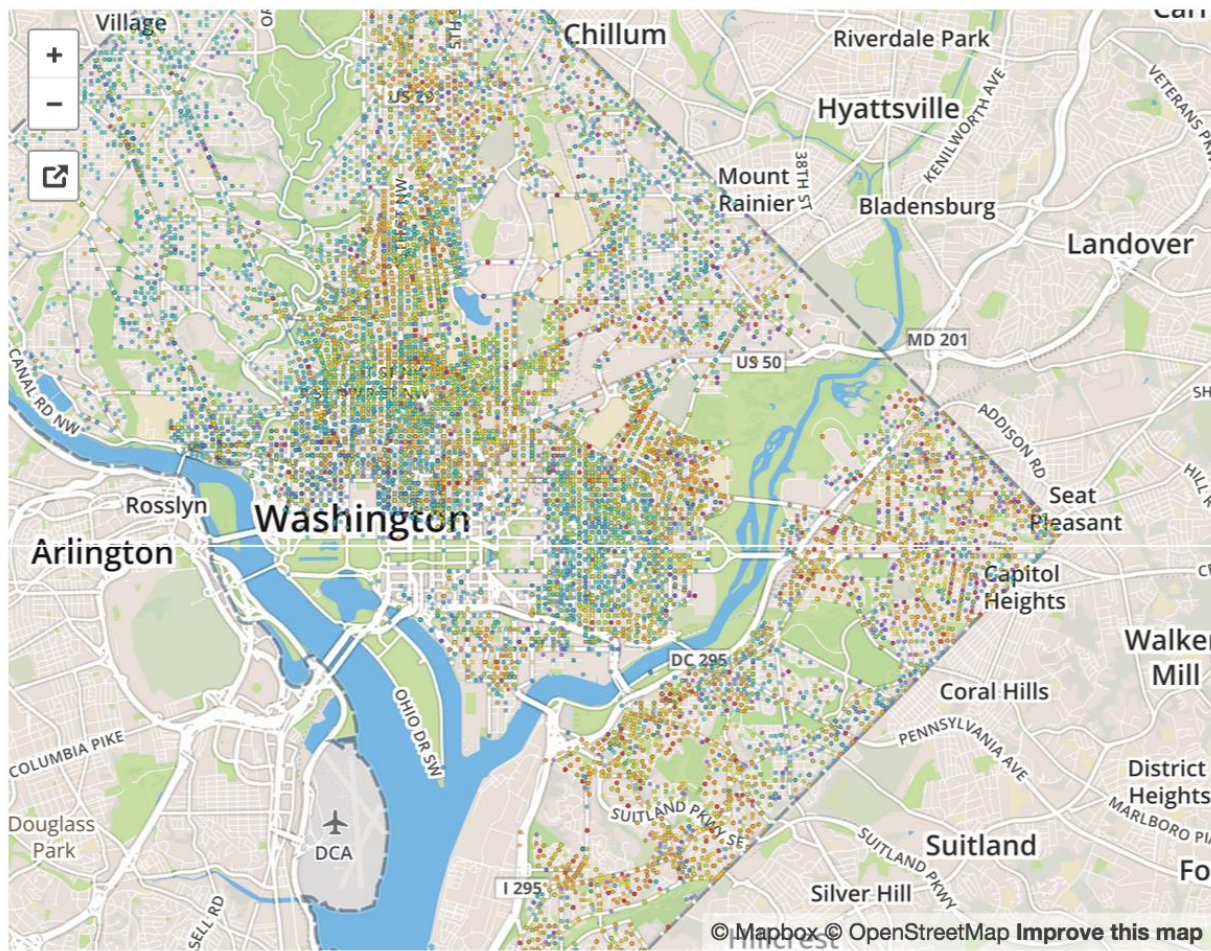
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Why Open Data for Policing?

- Transparency and external accountability builds trust and legitimacy

- Provides greater context for police work (i.e., not just the high profile events)

- Increases opportunities for citizen feedback and community engagement

- Can help agencies achieve key performance goals

- Allows for the open source creation of new tools and data products which help accelerate or enhance all of the above

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This is Not Open Data….

New Orleans U.C.R. Reportable Crimes

2014 Compared to 2013

Citywide Totals

Offense	2013	2014	% Change
Murder *	156	150	-3.85%
Rape **	176	244	38.64%
Arm. Robbery	744	1022	37.37%
Sim. Robbery	394	448	13.71%
Assault	1495	1906	27.49%
Person Crime Total	2965	3770	27.15%
Burglary	3203	3458	7.96%
Theft	9179	10309	12.31%
Auto Theft	2143	2615	22.03%
Property Crime Total	14525	16382	12.78%
Total Index Crimes	17490	20152	15.22%

*Murder Totals Provided by Homicide Unit
** Rape Totals Provided by Sex Crimes Unit
**Effective 07/01/2014 Rape statistics include male victim and certain sexual battery cases

© Mapbox © OpenStreetMap **Improve this map**

This is...

year	pct	ser_num	datestop	timestop	recstat	inout	trhsloc	perobs	crimsusp	perstop	typeofid	explnstp	othpers	arstmade	arstoffn	sumissue	sumoffen	compyear
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2014	67	451	3012014	2345	1	O	P	1	MISD	5	R	Y	N	N		N		0
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2014	103	81	3122014	1835	1	O	P	1	GLA	3	P	Y	N	N		N		0
2014	42	168	3142014	30	1	I	H	1	MISD	7	P	Y	Y	Y	CT	N		0
2014	90	174	3162014	15	1	O	P	2	FEL	4	V	Y	N	N		N		0
2014	69	129	3182014	1628	1	O	P	1	MISD	3	P	Y	N	N		N		0
2014	61	89	3192014	200	1	O	P	5	MIS	10	P	Y	Y	N		N		0
2014	108	35	3272014	115	1	O	P	1	FELONY	5	V	Y	N	N		N		0
2014	61	1	1012014	10	1	I	T	2	MISD	5	P	Y	N	N		N		0
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2014	79	42	1012014	30	A		O	P	1	CPW	5	V	Y	N	N		N		0
2014	79	9	1012014	30	A		O	P	1	FELONY	3	V	Y	N	N		N		0
2014	79	3	1012014	30	A		O	P	1	MISD	5	V	Y	N	N		N		0
2014	79	4	1012014	30	A		O	P	1	MISD	5	V	Y	N	N		N		0
2014	41	5	1012014	43	A		I	P	1	CPW	5	V	Y	N	N		N		0
2014	46	2	1012014	45	A		O	P	1	CPW	3	P	Y	Y	N		N		0
2014	120	10	1012014	50	A		O	P	1	CPW	5	P	Y	N	N		N		0
2014	88	1	1012014	55	1	O	H	3	CPW	5	V	Y	N	N		N		0
2014	76	1	1012014	100	1	O	P	10	FEL	5	V	Y	N	N		N		0
2014	81	2	1012014	115	1	O	P	3	ASSAULT	5	P	Y	N	N		N		0
2014	79	12	1012014	120	A		O	P	1	FELONY	2	P	Y	Y	N		N		0
2014	79	11	1012014	120	A		O	P	1	FELONY	2	V	Y	Y	N		N		0
2014	79	10	1012014	125	A		O	P	1	FELONY	5	P	Y	N	N		N		0
2014	106	1	1012014	125	A		O	P	2	FELONY	1	V	Y	N	N		N		0

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So is This…

Sample Policing Data Sets

- Arrest Reports
  - Resisting Arrest
- Use of Force by Type
  - Officer-involved Shootings
- Assaults on Officers
- Field Interrogations
- Pedestrian and Motor Vehicle Stops

- Stop, Question, and Frisk
- Body/Dashboard Camera Metadata
- Body/Dashboard Camera Video
- Police Recruitment
- Community meetings attended

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How?

1) Identify Leaders

2) Set Goals and Commitments

- Release at least three (3) <u>police-community</u> open data sets
  - Designate POC
  - Establish timeline for release

3) Build and Grow a Community of Practice

- Identify challenges and solutions
- Peer-to-peer learning
- Municipal CTOs/CDOs/CIOs alongside law enforcement

4) Provide Enabling Resources and Partners

5) Document best practices, share, uplift, and recruit

24 Open Data Jurisdictions

SEATTLE, WA

RUTLAND, VT

PHILADELPHIA, PA

CAMDEN, NJ

RICHMOND, CA

INDIANAPOLIS, IN

MONTGOMERY COUNTY, MD

OAKLAND, CA

CINCINNATI, OH

NEWPORT NEWS, VA

LOUISVILLE, KY

HAMPTON, VA

LOS ANGELES, CA

KNOXVILLE, TN

FAYETTEVILLE, NC

LOS ANGELES COUNTY, CA

CHARLOTTE-MECKLENBERG, NC

COLUMBIA, SC

TUCSON, AZ

ATLANTA, GA

DALLAS, TX

NEW ORLEANS, LA

ORLANDO, FL

AUSTIN, TX

Image Credit: Christopher Wong

Seattle, WA

SEATTLE, WA

RUTLAND, VT

ELPHIA, PA

DEN, NJ

RICHMOND, CA

OAKLAND, CA

MERY COUNTY, MD

RT NEWS, VA

TON, VA

LOS ANGELES, CA

VILLE, NC

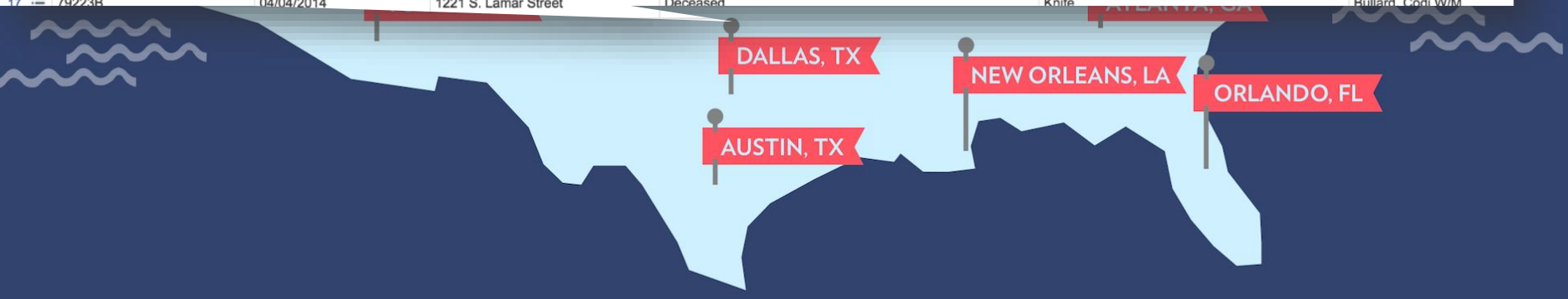LOS ANGELES C

ECKLENBERG, NC

Image Credit: Christopher Wong

Dallas, TX

Dallas Police Public Data - Officer Involved Shootings City Of Dallas
Dallas Police Public Data - Officer Involved Shootings City Of Dallas

	Case #	Date	Location	Suspect Deceased, Injured, or Shoot and Miss	Suspect Weapon	Suspect(s)
1	298185-2014	12/16/2014	6185 Retail Road	Injured	Knife	Puckett, Jonathan W/M
2	254101-2014	10/22/2014	9770 Forest Lane	Shoot and Miss	Unarmed	McGee, Gregory B/M
3	236112-2014	10/01/2014	4807 Maple Avenue	Shoot and Miss	Airsoft Handgun	Cupples, Jimmy Jr. W/M
4	216145-2014	09/07/2014	1550 Empire Central	Deceased	Vehicle	Allen, Joel W/M
5	206124-2014	08/27/2014	13739 N. Central Expressway	Deceased	Handgun	Ramos, Sergio L/M
6	204701-2014	08/25/2014	9000 Lake June Road	Deceased	Handgun	Douglas, Steven B/M
7	201507-2014	08/21/2014	4800 Veterans Drive	Injured	Handgun	Campbell, Ladarius B/M
8	200830-2014	08/20/2014	7921 LBJ Freeway	Injured	Handgun	Groessel, Terence W/M
9	192550-2014	08/11/2014	3647 Espanola Drive	Deceased	Knife	Gonzalez, Jose L/M
10	192024-2014	08/10/2014	400 S. Rosemont Avenue	Deceased	Unarmed	Gaynier, Andrew W/M
11	166059-2014	07/10/2014	500 S. Llewellyn Avenue	Shoot and Miss	Handgun	Everardo, Trevino L/M
12	154184-2014	06/26/2014	3000 Lantana Lane	Deceased	Handgun	Hodge, Rodney B/M
13	143473-2014	06/14/2014	208 Glencairn Drive	Deceased	Screwdriver	Harrison, Jason B/M
14	143229-2014	06/14/2014	8124 Forest Lane	Shoot and Miss	Vehicle	McClinton, Jacquinn B/F
15	125236B	05/24/2014	6048 Belmont Avenue	Shoot and Miss	Handgun	Calderon, Richard L/M
16	94757B	04/21/2014	3314 W. Camp Wisdom Road	Deceased	Handgun	Mayo, Michael W/M
17	79223B	04/04/2014	1221 S. Lamar Street	Deceased	Knife	Bullard, Codi W/M

DALLAS, TX
AUSTIN, TX
NEW ORLEANS, LA
ORLANDO, FL

Message from the Chief of Police

Throughout my 32 year career as a Dallas police officer, the citizens of Dallas have shown great trust and confidence in the Dallas Police Department. I understand that this trust is hard to earn, but easy to lose. My pledge is that we will continue to work as hard to maintain and improve citizens' trust as we did to earn it. In an effort to increase transparency, officer accountability, and improve officer safety, I have directed the implementation of numerous policy changes and initiatives. A number of these changes came after an officer involved shooting in 2012 and include:

- Notification of the FBI Civil Rights Office at the time of all officer involved shootings
- Development of a foot pursuit policy
- Implementation of a response to resistance report that documents officers' use of force to overcome resistant suspects
- Enhanced review of digital video recordings by a specialized unit
- Improved consensual search policy to require written or video documentation that a citizen voluntarily consented to a search
- Created a community engagement team with the Community Affairs Unit to respond to community concerns and manage programs that create community trust and engagement
- Mandated that all officers receive Taser training and maintain their certification
- Conducted reviews of departments under investigation or consent decree by the Justice Department to understand past failures and determine best practices in the management of officer involved shooting incidents

These changes also include how we communicate with our community, equipment upgrades and continued "use of force" training of the more than 3500 sworn members of the Dallas Police Department. I believe that these changes have and will continue to positively impact officer safety and improve public trust and confidence.
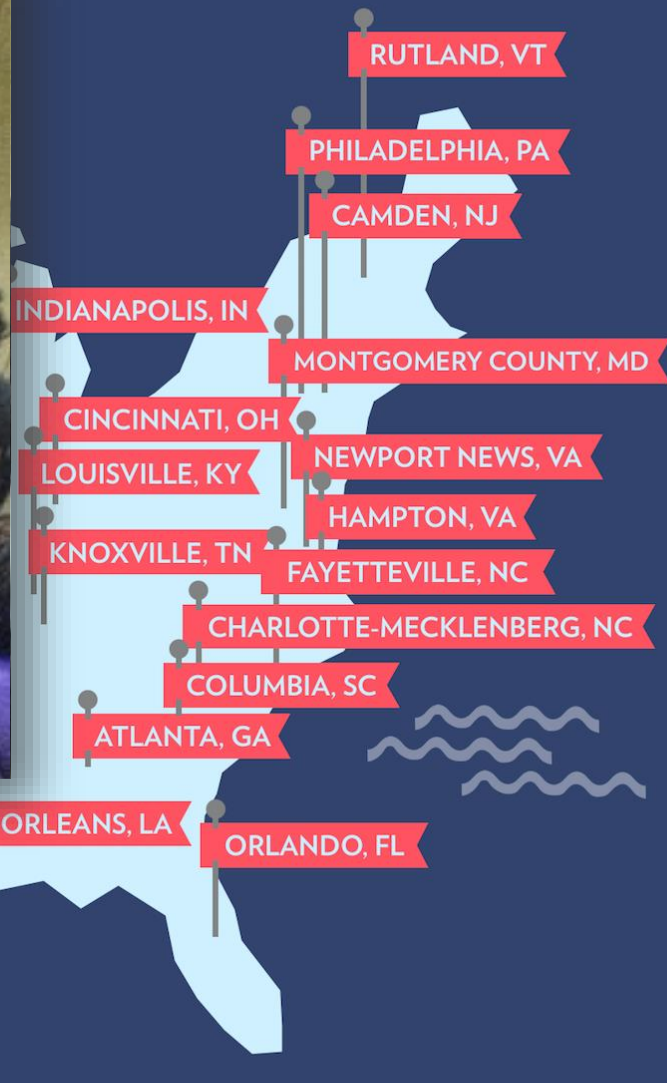
Why The Dallas Police Department provides Officer Involved Shooting (OIS) Information

Investigating Officer Involved Shooting (OIS) Incidents

General Order 906.00 - Dallas Police Department Use of Deadly Force Policy

Reducing Deadly Force incidents

Dallas Police
Dallas Police Publi

	Case #
1	298185-2014
2	254101-2014
3	236112-2014
4	216145-2014
5	206124-2014
6	204701-2014
7	201507-2014
8	200830-2014
9	192550-2014
10	192024-2014
11	166059-2014
12	154184-2014
13	143473-2014
14	143229-2014
15	125236B
16	94757B
17	79223B

New Orleans, LA

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COLUMBIA, SC
ATLANTA, GA
NEW ORLEANS, LA
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Image Credit: Christopher Wong

CfA Open Police Data Census

Department	Response Time	Use of Force	Complaints	Officer Involved Shootings	Assaults on Officers	Citations	Traffic and Pedestrian Stops	Pursuits	Compaints
Albuquerque, NM			■ ■ ■ ■ ■						
Andover, KS			■ ■ ■ ■ ■						
Anne Arundel County, MD			■ ■ ■ ■ ■						
Austin, TX	■ ■ ■ ■ ■								
Baltimore, MD		■ ■ ■ ■ ■							
Bay Area Rapid Transit, CA			■ ■ ■ ■ ■						
Beaverton, OR							■ ■ ■ ■ ■		
Charlotte-Mecklenburg, NC		■ ■ ■ ■ ■	■ ■ ■ ■ ■					■ ■ ■ ■ ■	
Chicago, IL			■ ■ ■ ■ ■						
Cincinnati, OH			■ ■ ■ ■ ■						
Dallas, TX				■ ■ ■ ■ ■					

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Elements of Local Readiness
for Police Data Initiative

LOCAL GOV

Leadership buy-in
- Mayor and Police Chief on board
- Relatively new Mayor or Police Chief

Tech & data capacity
- Strong in-house GIS team
- Active open data initiative (w "portal")
- FOIA/public records request process (pain point or strength?)
- Already releasing some accountability data (reports, etc)
- CompStat performance accountability mtgs

PUBLIC

Civic tech capacity
- Local data intermediary (eg, NNIP)
- Code for America Brigade
- Local gov presence at civic hacking events
- Vibrant local tech community
- Code Academy, tech training programs

Community demand
- Community leaders: more transparency
- Local universities: data science projects
- Media: FOIA/public records requests

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5-Ways to Jumpstart the Release of Open Data on Policing

1. Start with data you've already released in a non-open format (e.g., a PDF or table on a web site)

2. Publish the incident-level data used in public CompStat meetings or accountability reports

3. Open up historical data sets

4. Remove attributes that are major sticking points

5. Join the growing community of open data in policing practice (i.e., learn from one another!)

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14 agencies
87 data sets