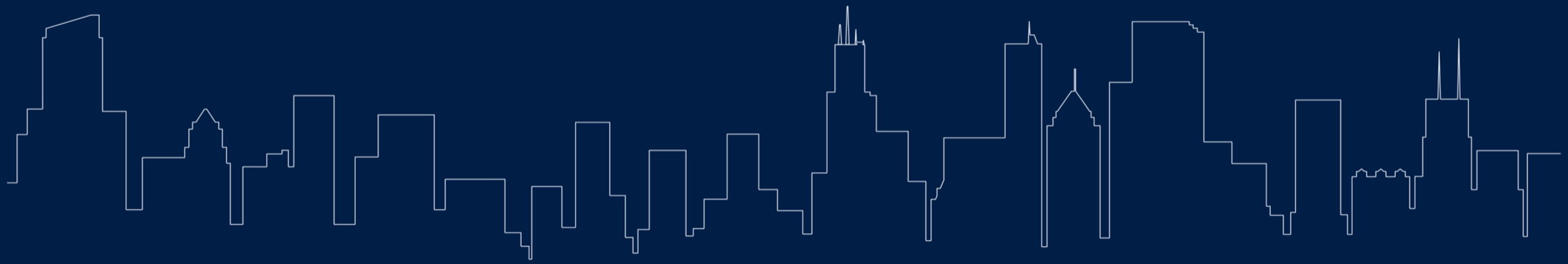
Overview of the City of Chicago's Violence Reduction Dashboard (VRD)



UCHICAGO URBANLABS CRIME LAB

July 2023

Reducing Gun Violence, Advancing Justice

The Crime Lab designs, tests, and scales data-driven innovations to improve the public sector's response to the dual challenges of America's gun violence crisis and a criminal justice system that is not truly just.

Today’s Agenda

- **Welcome and grounding information**
- **Overview of the Violence Reduction Dashboard and its key features**
- **The VRD in Action**
- **Q&A**
- **Closing remarks**

Time for a quick poll!

Today's Speakers

Kim Smith

Director of Programs
UChicago Crime Lab and Education Lab

Elvis Ortega

Senior Recovery Program Manager
Chicago Department of Public Health

David Leitson

Senior Policy Analyst
UChicago Crime Lab

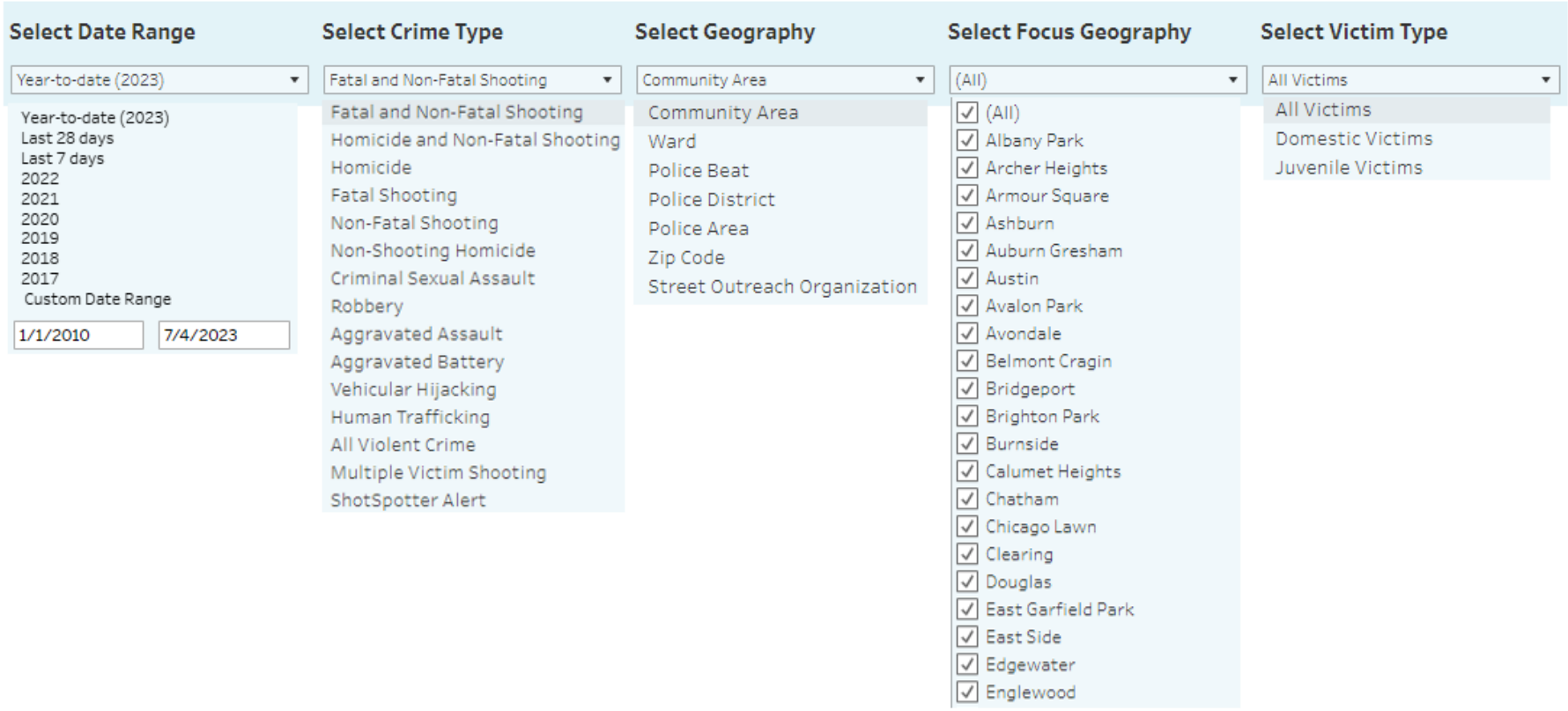
The Violence Reduction Dashboard (VRD)

Key Questions the VRD Can Answer

- How has violence been trending compared to last year? Two years ago? Ten years ago?
- Where has violent crime been happening?
- When is crime happening?
- What are the demographics of the victims?
- Which areas of the city have the highest rates of violence?

Customizing the VRD to Suit Your Needs

- Date range filter
- Crime type filter
- Geography filter
- Victim type filter



The VRD in Action

The VRD in Action

Select Date Range	Select Geography Type	Select Focus Geography	Select Victim Type
Year-to-date (2023)	Community Area	All	All Victims

Victim Counts and Comparison in All Community Areas, Jan 1 through Jul 3

This chart compares the number of victimizations in the selected period to the prior year for different types of crime.

	2022	2023	% Change
Homicide Victimizations	333	306	-8.1%
Fatal Shooting Victimizations	304	282	-7.2%
Non-Shooting Homicide Victimizations	29	24	-17.2%
All Shooting Victimizations	1,594	1,428	-10.4%
Fatal Shooting Victimizations	304	282	-7.2%
Non-Fatal Shooting Victimizations	1,290	1,146	-11.2%
Criminal Sexual Assault Victimizations	992	970	-2.2%
Robbery Victimizations	3,577	4,670	+30.6%
Vehicular Hijacking Victimizations	961	703	-26.8%
Aggravated Battery Victimizations	2,854	3,316	+16.2%
Aggravated Assault Victimizations	4,321	4,695	+8.7%
Human Trafficking Victimizations	14	7	-50.0%
All Violent Crime Victimizations	14,280	15,763	+10.4%
Multi-Victim Shooting Incidents	211	170	-19.4%
ShotSpotter Alerts	19,677	22,593	+14.8%

The VRD in Action

Select Date Range	Select Geography Type	Select Focus Geography	Select Victim Type
Year-to-date (2023)	Police Area	Police Area 1	All Victims

Victim Counts and Comparison in Police Area 1, Jan 1 through Jul 3

This chart compares the number of victimizations in the selected period to the prior year for different types of crime.

	2022	2023	% Change
Homicide Victimizations	110	99	-10.0%
Fatal Shooting Victimizations	101	97	-4.0%
Non-Shooting Homicide Victimizations	9	2	-77.8%
All Shooting Victimizations	542	477	-12.0%
Fatal Shooting Victimizations	101	97	-4.0%
Non-Fatal Shooting Victimizations	441	380	-13.8%
Criminal Sexual Assault Victimizations	227	221	-2.6%
Robbery Victimizations	977	1,115	+14.1%
Vehicular Hijacking Victimizations	307	218	-29.0%
Aggravated Battery Victimizations	824	998	+21.1%
Aggravated Assault Victimizations	1,354	1,450	+7.1%
Human Trafficking Victimizations	5	1	-80.0%
All Violent Crime Victimizations	4,225	4,469	+5.8%
Multi-Victim Shooting Incidents	67	58	-13.4%
ShotSpotter Alerts	7,771	9,016	+16.0%

The VRD in Action

Select Date Range	Select Geography Type	Select Focus Geography	Select Victim Type
Year-to-date (2023)	Community Area	New City	All Victims

Victim Counts and Comparison in New City & Police Area 1, Jan 1 through Jul 3

This chart compares the number of victimizations in the selected period to the prior year for different types of crime.

	2022	2023	% Change
Homicide Victimizations	14	7	-50.0%
Fatal Shooting Victimizations	13	7	-46.2%
Non-Shooting Homicide Victimizations	1	0	-100.0%
All Shooting Victimizations	52	67	+28.8%
Fatal Shooting Victimizations	13	7	-46.2%
Non-Fatal Shooting Victimizations	39	60	+53.8%
Criminal Sexual Assault Victimizations	15	16	+6.7%
Robbery Victimizations	80	104	+30.0%
Vehicular Hijacking Victimizations	22	44	+100.0%
Aggravated Battery Victimizations	48	66	+37.5%
Aggravated Assault Victimizations	120	148	+23.3%
Human Trafficking Victimizations	0	0	
All Violent Crime Victimizations	337	445	+32.0%
Multi-Victim Shooting Incidents	5	9	+80.0%
ShotSpotter Alerts	996	1,252	+25.7%

The VRD in Action

Select Date Range	Select Geography Type	Select Focus Geography	Select Victim Type
Last 28 days	Community Area	New City	All Victims

Victim Counts and Comparison in New City & Police Area 1, Jun 6 through Jul 3

This chart compares the number of victimizations in the selected period to the prior year for different types of crime.

	2022	2023	% Change
Homicide Victimizations	2	2	0.0%
Fatal Shooting Victimizations	1	2	+100.0%
Non-Shooting Homicide Victimizations	1	0	-100.0%
All Shooting Victimizations	8	11	+37.5%
Fatal Shooting Victimizations	1	2	+100.0%
Non-Fatal Shooting Victimizations	7	9	+28.6%
Criminal Sexual Assault Victimizations	2	3	+50.0%
Robbery Victimizations	14	21	+50.0%
Vehicular Hijacking Victimizations	1	6	+500.0%
Aggravated Battery Victimizations	9	16	+77.8%
Aggravated Assault Victimizations	26	20	-23.1%
Human Trafficking Victimizations	0	0	
All Violent Crime Victimizations	61	77	+26.2%
Multi-Victim Shooting Incidents	1	1	0.0%
ShotSpotter Alerts	188	203	+8.0%

The VRD in Action

Select Date Range	Select Crime Type	Select Geography	Select Focus Geography	Select Victim Type
Year-to-date (2023)	Fatal and Non-Fatal Shooting	Community Area	All	All Victims

Fatal and Non-Fatal Shooting Victimizations in All Community Areas, Jan 1, 2023 through Jul 3, 2023

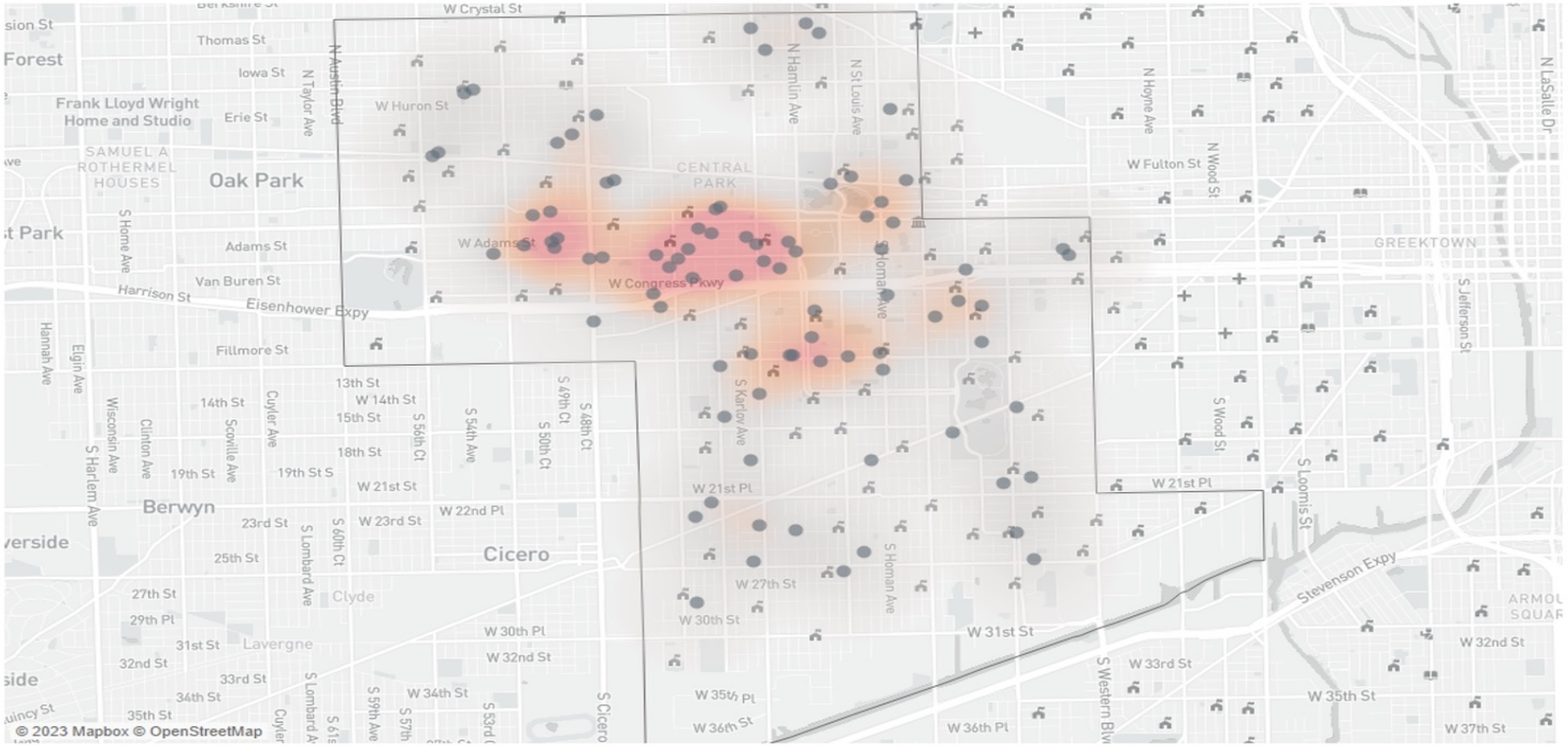
The below graph displays victimizations using a 28-day rolling average in which each value in the chart is averaged with the prior 27 values. Using the Select Date Range, Geography, and Crime Type filters, users can choose what information is presented in the line chart.

The VRD in Action

Select Date Range	Select Crime Type	Select Geography	Select Focus Geography	Select Victim Type
Last 28 days	Fatal and Non-Fatal Shooting	Police Area	Police Area 4	All Victims

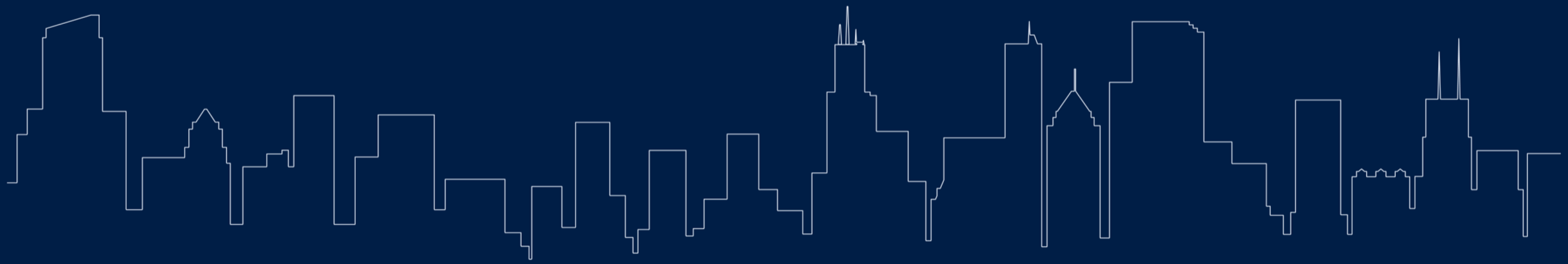
Fatal and Non-Fatal Shooting Victimizations, Jun 6 through Jul 3

This map presents incidents of crime geographically. Using the Select Date Range, Geography, and Crime Type filters, users can choose what information is presented in the map.



Q&A

Thank you!



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