



THE UNIVERSITY OF CHICAGO
CRIME LAB
Urban Labs

○ Overview of the City of Chicago's Violence Reduction Dashboard

June 4, 2025



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Katie Hill, University of Chicago Crime Lab

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Katie Hill, University of Chicago Crime Lab



Opening Remarks

Garlen Gatewood, City of Chicago



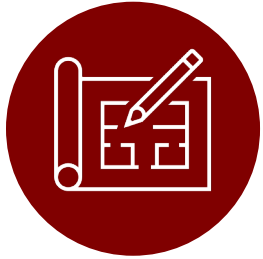
Poll

What sector do you represent?



Our Approach

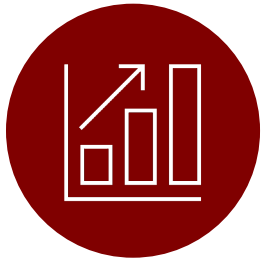
We partner with the public sector and non-profit organizations to:



Design promising solutions.



Test the most promising policies and programs.



Scale the most effective and cost-efficient policies and programs.



The rate of homicides in America is almost exactly the same today as it was over 120 years ago

U.S. Homicides per 100k, 1900 – 2023

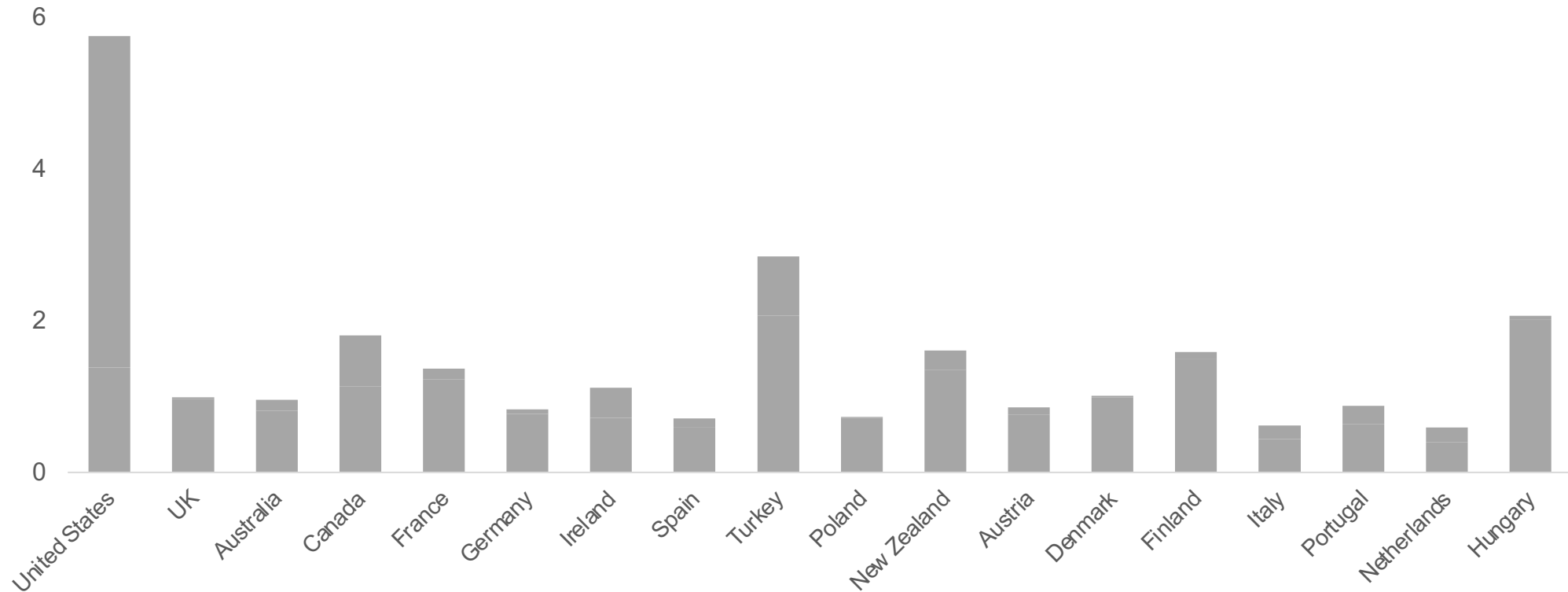


Source: CDC National Center for Health Statistics; Eckberg, D. L (1995)

Note: Homicides from 1900–1948 include legal and police interventions. Rates from 1900–1932 are adjusted for underreporting using Eckberg's method.

Our uniquely American problem

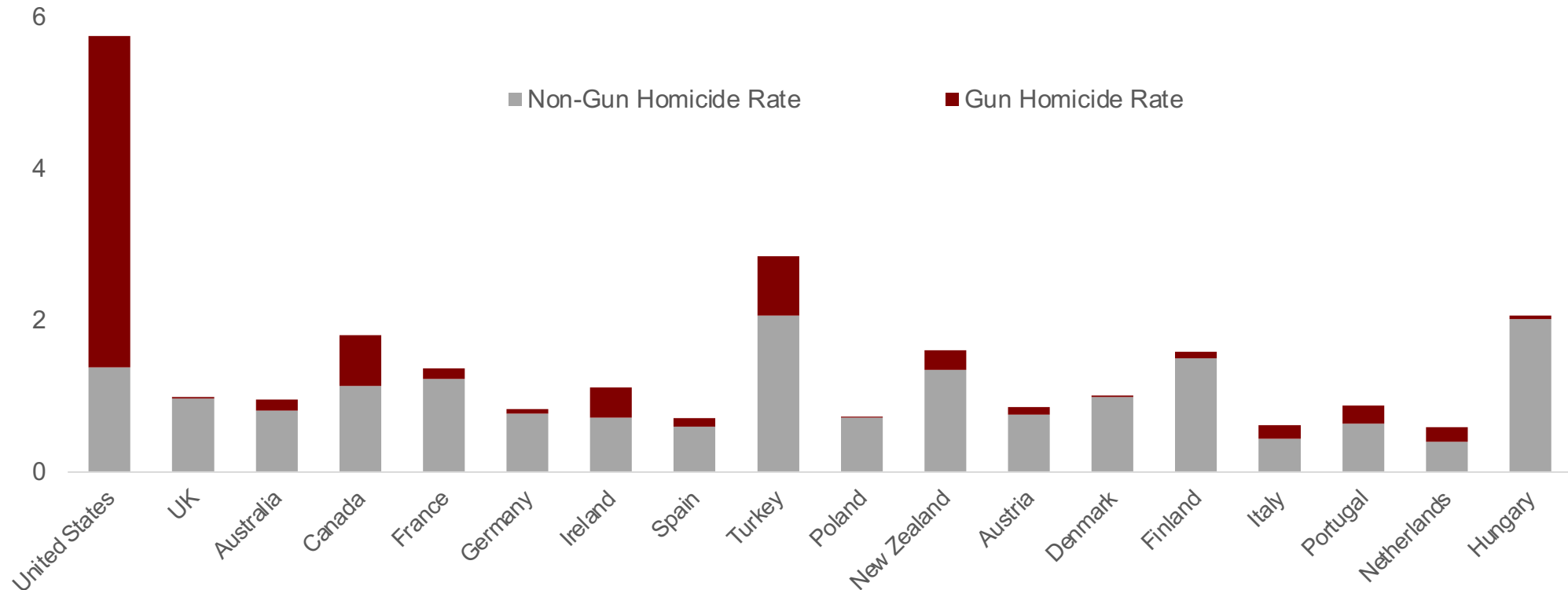
Homicides per 100k by Country



Source: GunPolicy.org

Our uniquely American problem

Homicides per 100k by Weapon & Country

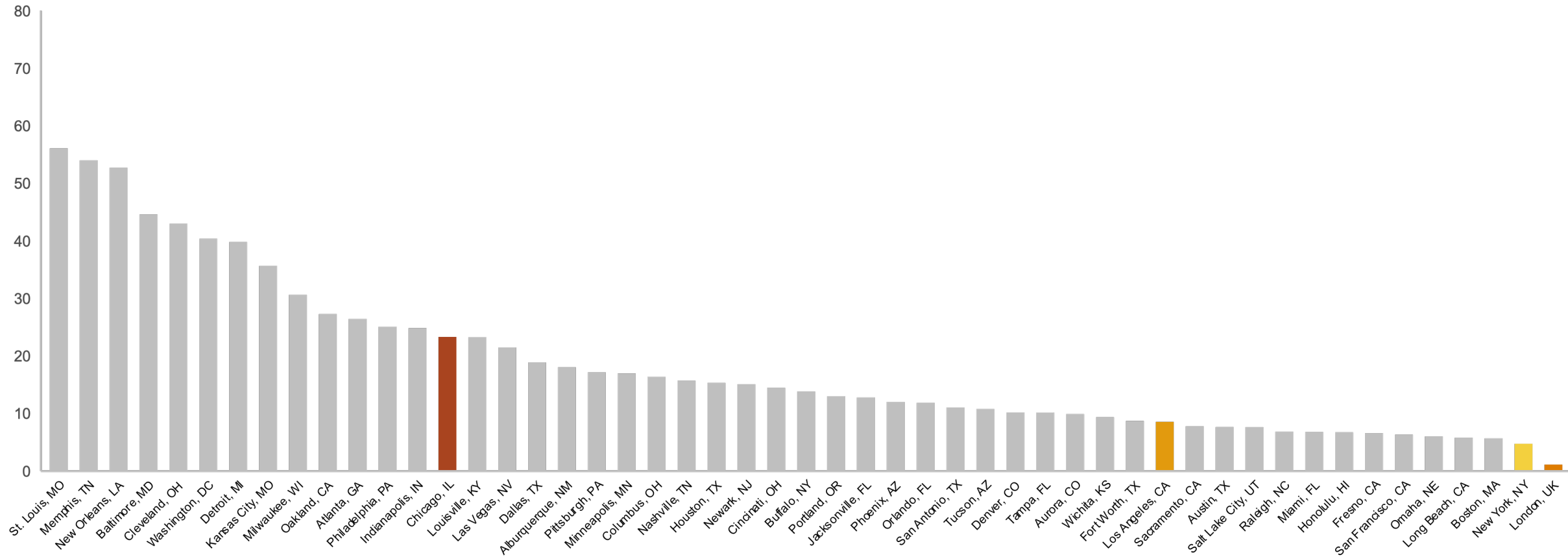


Source: GunPolicy.org



Homicide rates in select U.S. cities show stark disparities, Chicago ranks in the upper-middle range

Homicides per 100k, 2023

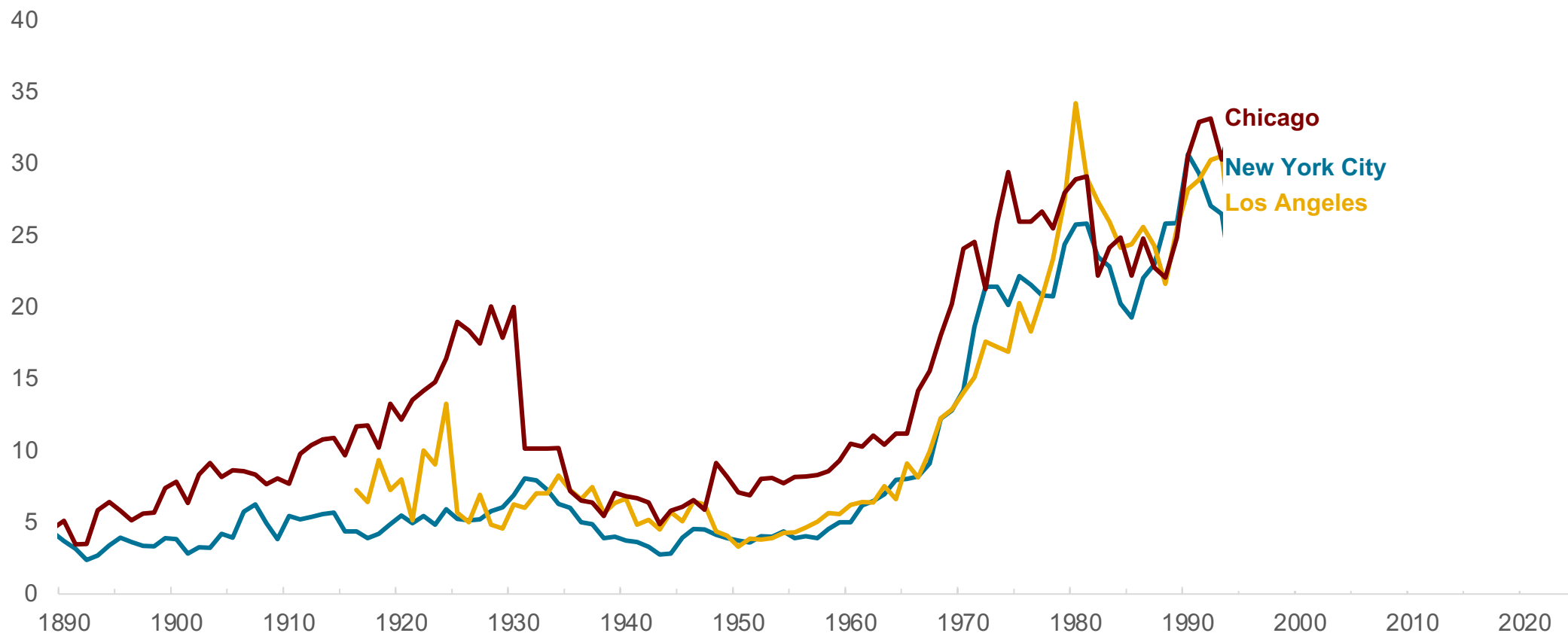


Source: US Census, multiple police reports



The nation's 3 largest cities tracked in homicides for decades

Homicides per 100k, 1890 – 1990

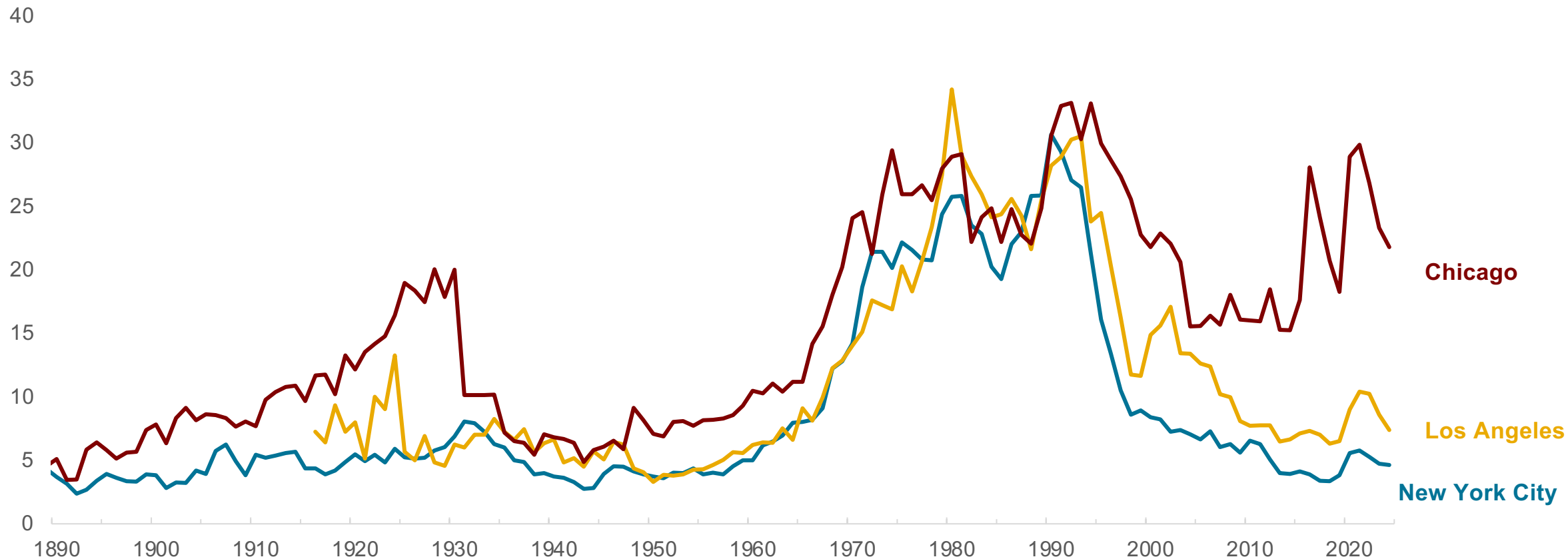


Source: Chicago Historical Homicide Project, UCR, Criminal Justice Research Center, NIJ, Chicago VRD, LA data portal, and NYPD Crime Statistics



The nation's 3 largest cities tracked in homicides for decades—but NYC and LA have since pulled far ahead

Homicides per 100k, 1890 – 2024



Source: Chicago Historical Homicide Project, UCR, Criminal Justice Research Center, NIJ, Chicago VRD, LA data portal, and NYPD Crime Statistics

○ Violence Reduction Dashboard

Near real-time data on violence trends serving the City's efforts to increase transparency with the primary goal of supporting community-based violence reduction partners in their efforts.

- The Crime Lab launched the dashboard publicly in May 2021 and provided the technical expertise to help design the tool
- Partnered with the City of Chicago and CPD and received critical input from dozens of community stakeholders to create digestible, interactive visualizations
- The dashboard also provides access to the underlying data itself for those who want a deeper look





Today's Presenters



Javier Lopez
Analytics Manager
UChicago Crime Lab



Eric Balas
Senior Data Analyst
Metropolitan Peace Initiatives



Maritza Moran
Data Analyst
Metropolitan Peace Initiatives



MODERATOR
Katie Hill
Executive Director
UChicago Crime Lab




Overview of the Violence Reduction Dashboard



General Overview

* An official website of the City of Chicago [Here's how you know](#) ▼



Mayor's Office of Violence Reduction | Public Safety Reform

HOME

VIOLENCE REDUCTION STRATEGY

VIOLENCE AND VICTIMIZATION TRENDS

GLOSSARY AND RESOURCES

VIOLENCE REDUCTION DASHBOARD

The Mayor's Office Violence Reduction Dashboard shares real-time data on violence trends in Chicago and its inequitable impact across the city, as well as critical information about the City's community-centered and trauma-informed response. This public dashboard is a critical component of the City's efforts to increase government transparency with the primary goal of supporting community-based violence reduction partners in their efforts.

The data on the Mayor's Office Violence Reduction Dashboard is updated daily with an approximately 48 hour lag. Due to the nature of CPD operations and often changing circumstances, some recorded data about incidents and victimizations may change once additional information arises and regularly updated datasets on the City's public portal may change to reflect new or corrected information.

★★★★

University of Chicago Crime Lab

15



Glossary Section



Glossary

Please find definitions for terms used in the Violence Reduction Dashboard below.

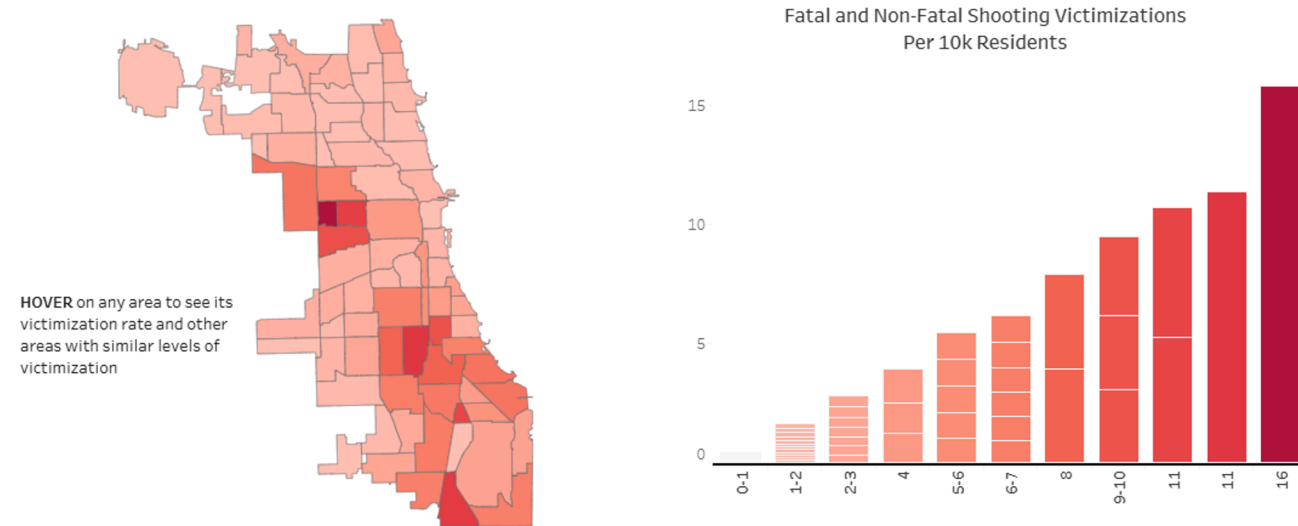
Violent Crimes	+
Victimization	+
Fatal Shooting Victimization	+
Non-Fatal Shooting Victimization	+
Non-Shooting Homicide Victimization	+
Criminal Sexual Assault Victimization	+
Robbery Victimization	+
Vehicular Hijacking Victimization	+
Aggravated Assault Victimization	+
Aggravated Battery Victimization	+
Human Trafficking Victimization	+
Multi-Victim Shooting Incident	+
Per 10,000 Residents	+
Rolling Average	+
ShotSpotter Alert	+



Accessing the data

Fatal and Non-Fatal Shooting Victimization Per 10,000 Residents by Community Area, Jan 1, 2025 through May 31, 2025

The community area map on the left shows the number of fatal and non-fatal shooting victims per 10k residents. Hover over any geographic boundary to see its victimization rate, and how it compares to the prior year and to other communities with similar victimization rates. The bar chart on the right groups together Community Areas with similar victimization rates.

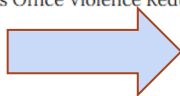


Note: Population estimates based on 2019 ACS data.

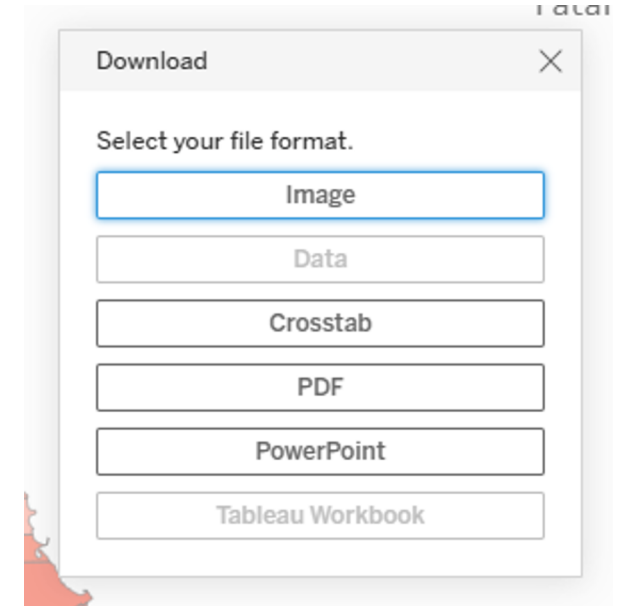
← Undo → Redo ↺ Replay ↶ Revert ↻ Refresh ⏸ Pause Download Full Screen


Chicago Data Portal

The underlying data for the Mayor's Office Violence Reduction dashboard can be found on Chicago's Data Portal, along with many other public datasets.



CLICK HERE FOR DATA PORTAL



**CHICAGO DATA PORTAL** Chicago Data Portal Menu

About Data Related Content Actions Export

Violence Reduction - Victims of Homicides and Non-Fatal Shootings

Public Safety

This dataset contains individual-level homicide and non-fatal shooting victimizations, including homicide data from 1991 to the present, and non-fatal shooting data from 2010 to the present (2010 is the earliest available year for shooting data). This datas...

[Read more](#)

Last Updated
May 20, 2025

Data Provided By
City of Chicago



Customizing filters for deeper analysis

Select Date Range	Select Crime Type	Select Geography	Select Focus Geography	Select Victim Type
<div>Year-to-date (2025) ▼</div>	<div>Fatal and Non-Fatal Shooting ▼</div>	<div>Community Area ▼</div>	<div>(All) ▼</div>	<div>All Victims ▼</div>
<div>Year-to-date (2025) Last 28 days Last 7 days 2024 2023 2022 2021 2020 2019 Custom Date Range <div>1/1/20106/1/2025</div></div>	<div>Fatal and Non-Fatal Shooting Homicide and Non-Fatal Shooting Homicide Fatal Shooting Non-Fatal Shooting Non-Shooting Homicide Criminal Sexual Assault Robbery Aggravated Assault Aggravated Battery Vehicular Hijacking Human Trafficking All Violent Crime Multiple Victim Shooting ShotSpotter Alert</div>	<div>Community Area Ward Police Beat Police District Police Area Zip Code Street Outreach Organization Summer Safety Zone</div>	<div><input checked="" type="checkbox"/> (All) <input checked="" type="checkbox"/> Null <input checked="" type="checkbox"/> Albany Park <input checked="" type="checkbox"/> Archer Heights <input checked="" type="checkbox"/> Armour Square <input checked="" type="checkbox"/> Ashburn <input checked="" type="checkbox"/> Auburn Gresham <input checked="" type="checkbox"/> Austin <input checked="" type="checkbox"/> Avalon Park <input checked="" type="checkbox"/> Avondale <input checked="" type="checkbox"/> Belmont Cragin <input checked="" type="checkbox"/> Beverly <input checked="" type="checkbox"/> Bridgeport <input checked="" type="checkbox"/> Brighton Park <input checked="" type="checkbox"/> Burnside <input checked="" type="checkbox"/> Calumet Heights</div>	<div>All Victims Domestic Victims Juvenile Victims</div>



Table comparing victim counts in two periods

Select Date Range	Select Geography Type	Select Focus Geography	Select Victim Type
Year-to-date (2025)	Community Area	(All)	All Victims

Victim Counts and Comparison in All Community Areas, Jan 1 through May 31

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

	2024	2025	% Change
Homicide Victimizations	210	153	-27.1%
Fatal Shooting Victimizations	178	129	-27.5%
Non-Shooting Homicide Victimizations	32	24	-25.0%
All Shooting Victimizations	986	624	-36.7%
Fatal Shooting Victimizations	178	129	-27.5%
Non-Fatal Shooting Victimizations	808	495	-38.7%
Criminal Sexual Assault Victimizations	781	807	+3.3%
Robbery Victimizations	3,842	2,539	-33.9%
Vehicular Hijacking Victimizations	488	215	-55.9%
Aggravated Battery Victimizations	2,822	2,467	-12.6%
Aggravated Assault Victimizations	3,931	3,246	-17.4%
Human Trafficking Victimizations	10	12	+20.0%
All Violent Crime Victimizations	12,851	9,924	-22.8%
Multi-Victim Shooting Incidents	124	68	-45.2%
ShotSpotter Alerts	16,614	0	-100.0%

Select Date Range	Select Geography Type	Select Focus Geography	Select Victim Type
2024	Community Area	East Garfield Park	All Victims

Victim Counts and Comparison in East Garfield Park, January 1 - December 31

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

	2023	2024	% Change
Homicide Victimizations	25	17	-32.0%
Fatal Shooting Victimizations	24	15	-37.5%
Non-Shooting Homicide Victimizations	1	2	+100.0%
All Shooting Victimizations	97	91	-6.2%
Fatal Shooting Victimizations	24	15	-37.5%
Non-Fatal Shooting Victimizations	73	76	+4.1%
Criminal Sexual Assault Victimizations	33	34	+3.0%
Robbery Victimizations	221	172	-22.2%
Vehicular Hijacking Victimizations	39	27	-30.8%
Aggravated Battery Victimizations	161	157	-2.5%
Aggravated Assault Victimizations	191	166	-13.1%
Human Trafficking Victimizations	0	0	
All Violent Crime Victimizations	741	647	-12.7%
Multi-Victim Shooting Incidents	14	15	+7.1%
ShotSpotter Alerts	776	466	-39.9%

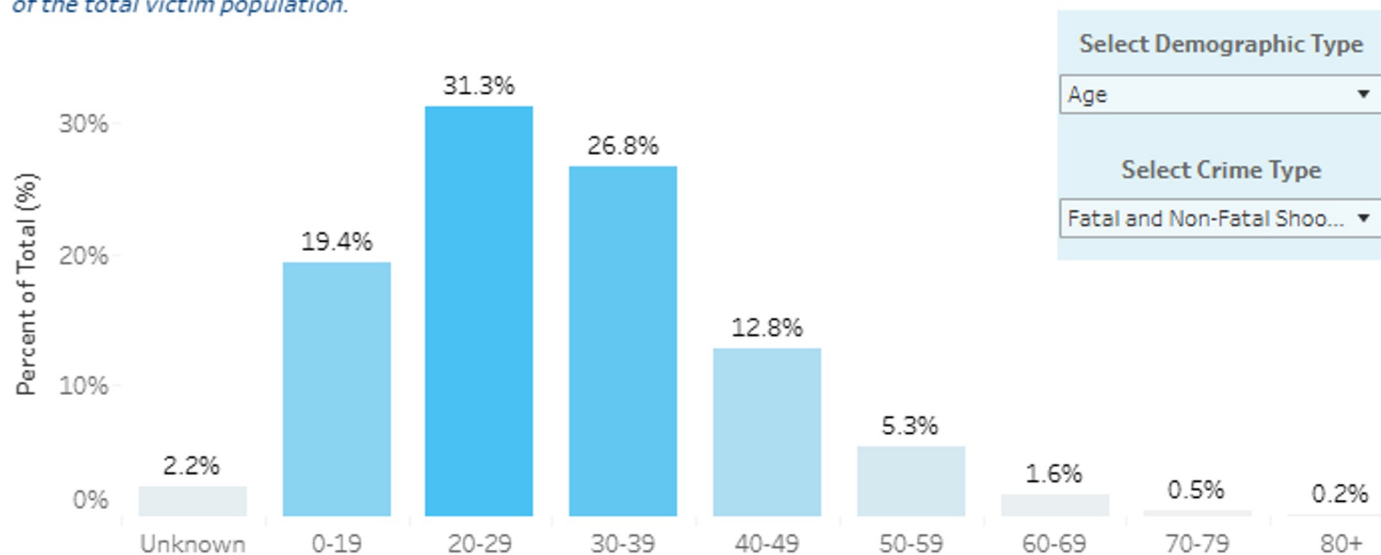
Demographics of victims

Select Date Range	Select Geography Type	Select Focus Geography	Select Victim Type
Year-to-date (2025) ▼	Community Area ▼	(All) ▼	All Victims ▼

Demographics of Fatal and Non-Fatal Shooting Victims in All Community Areas

Jan 1, 2025 through May 31, 2025

This graph shows fatal and non-fatal shooting victims by demographic. You can use the dropdown boxes below to change the crime type and to view victimization by Race, Age, or Sex. The graph displays each demographic category as a percent of the total victim population.



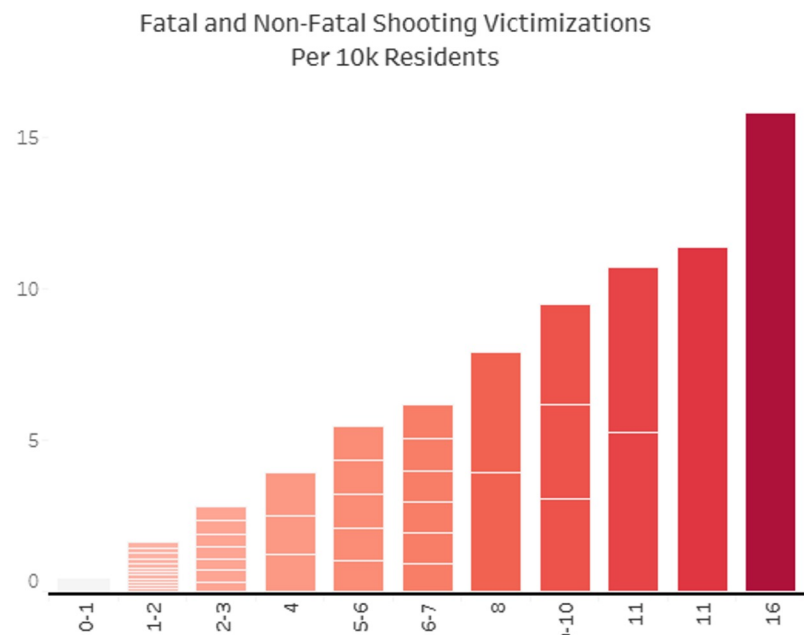
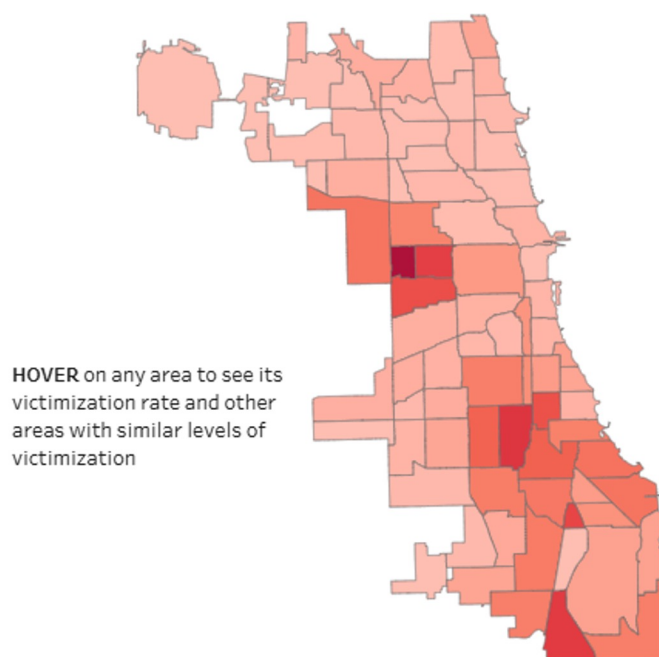


Safety gap per 10,000 residents

Select Date Range	Select Crime Type	Select Geography	Select Victim Type
Year-to-date (2025)	Fatal and Non-Fatal Shooting	Community Area	All Victims

Fatal and Non-Fatal Shooting Victimization Per 10,000 Residents by Community Area, Jan 1, 2025 through May 31, 2025

The community area map on the left shows the number of fatal and non-fatal shooting victims per 10k residents. Hover over any geographic boundary to see its victimization rate, and how it compares to the prior year and to other communities with similar victimization rates. The bar chart on the right groups together Community Areas with similar victimization rates.



Note: Population estimates based on 2019 ACS data.

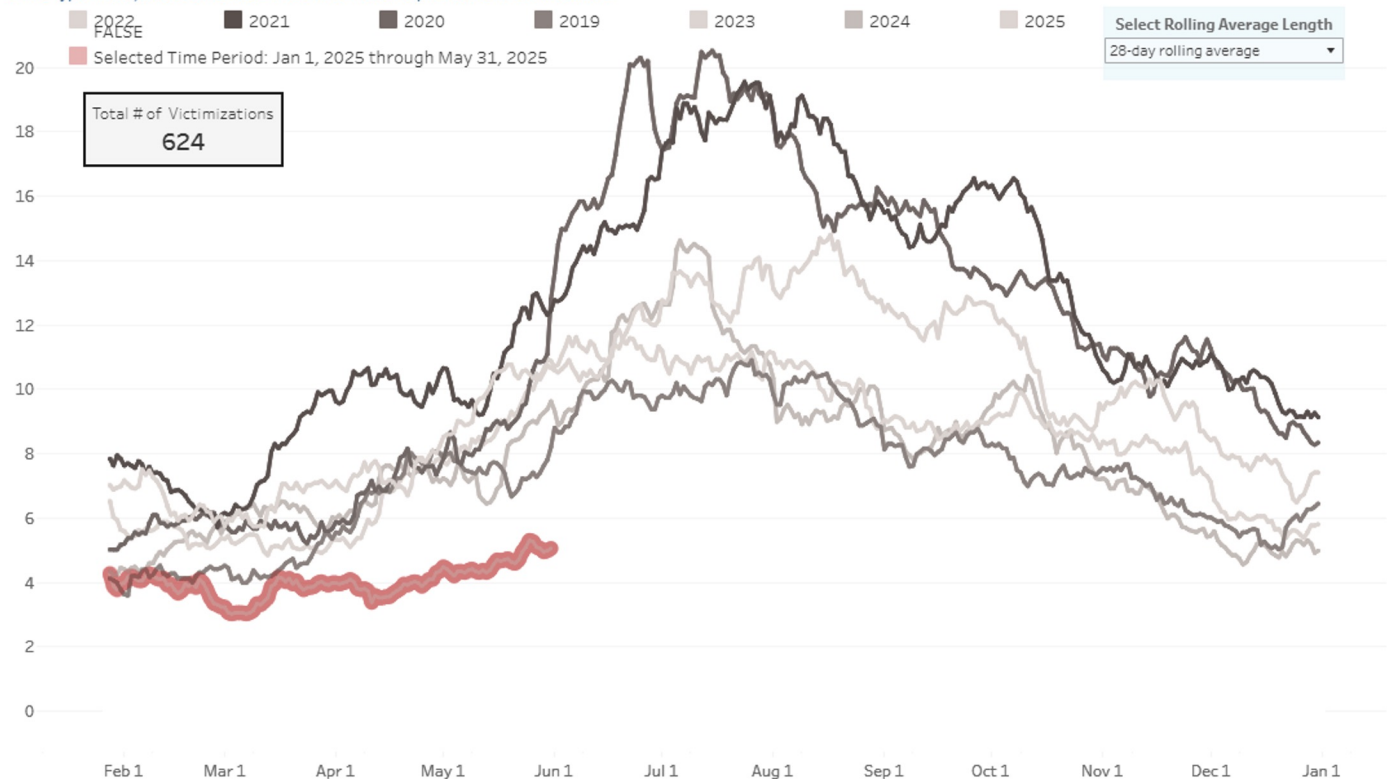


Rolling average trends

Select Date Range	Select Crime Type	Select Geography	Select Focus Geography	Select Victim Type
<input type="text" value="Year-to-date (2025)"/>	<input type="text" value="Fatal and Non-Fatal Shooting"/>	<input type="text" value="Community Area"/>	<input type="text" value="(All)"/>	<input type="text" value="All Victims"/>

Fatal and Non-Fatal Shooting Victimization in All Community Areas, Jan 1, 2025 through May 31, 2025

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.



Heat density & point map

Select Date Range

Select Crime Type

Select Geography

Select Focus Geography

Select Victim Type

2024

Fatal and Non-Fatal Shooting

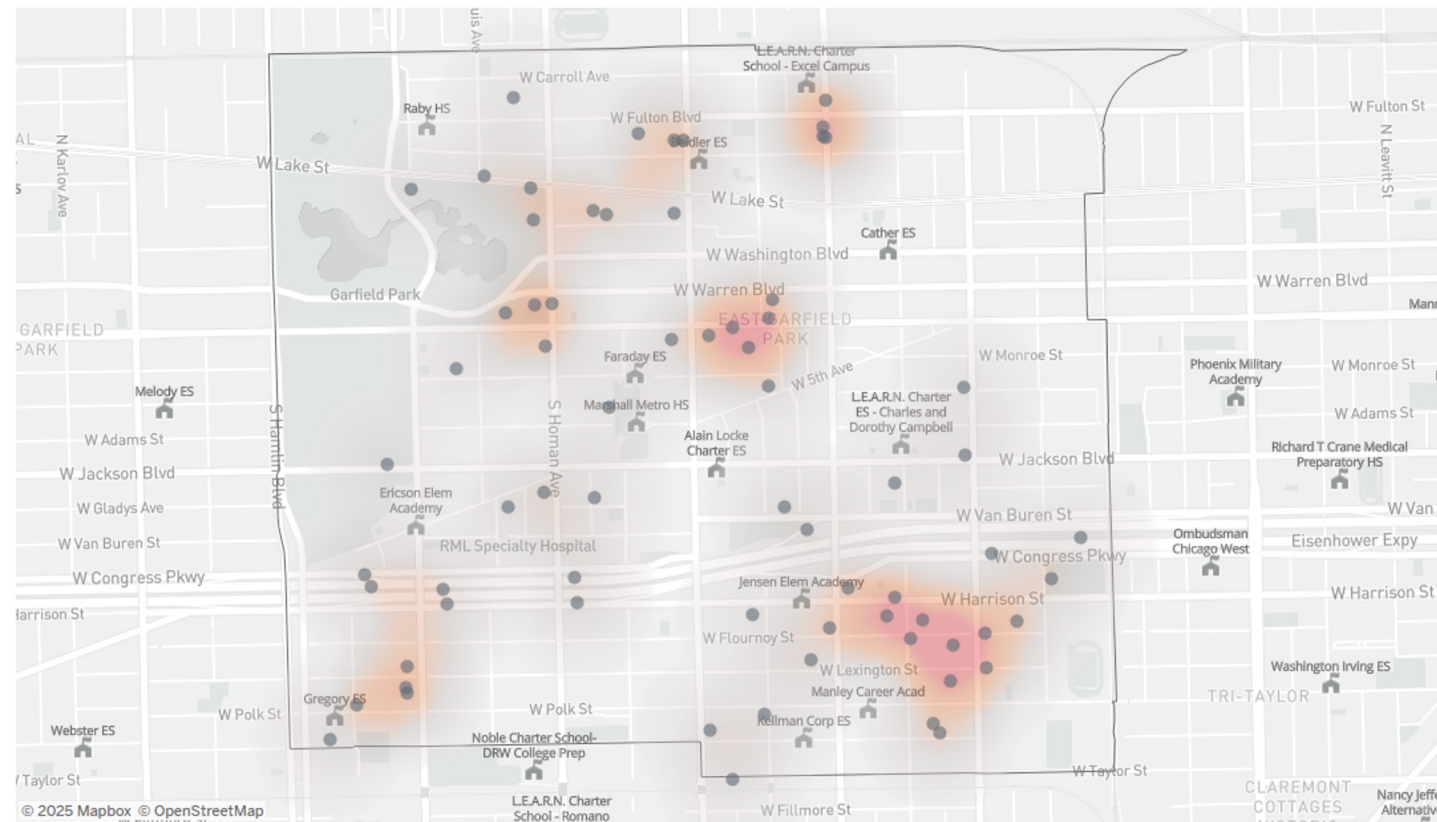
Community Area

East Garfield Park

All Victims

Fatal and Non-Fatal Shooting Victimizations, January 1 - December 31

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.



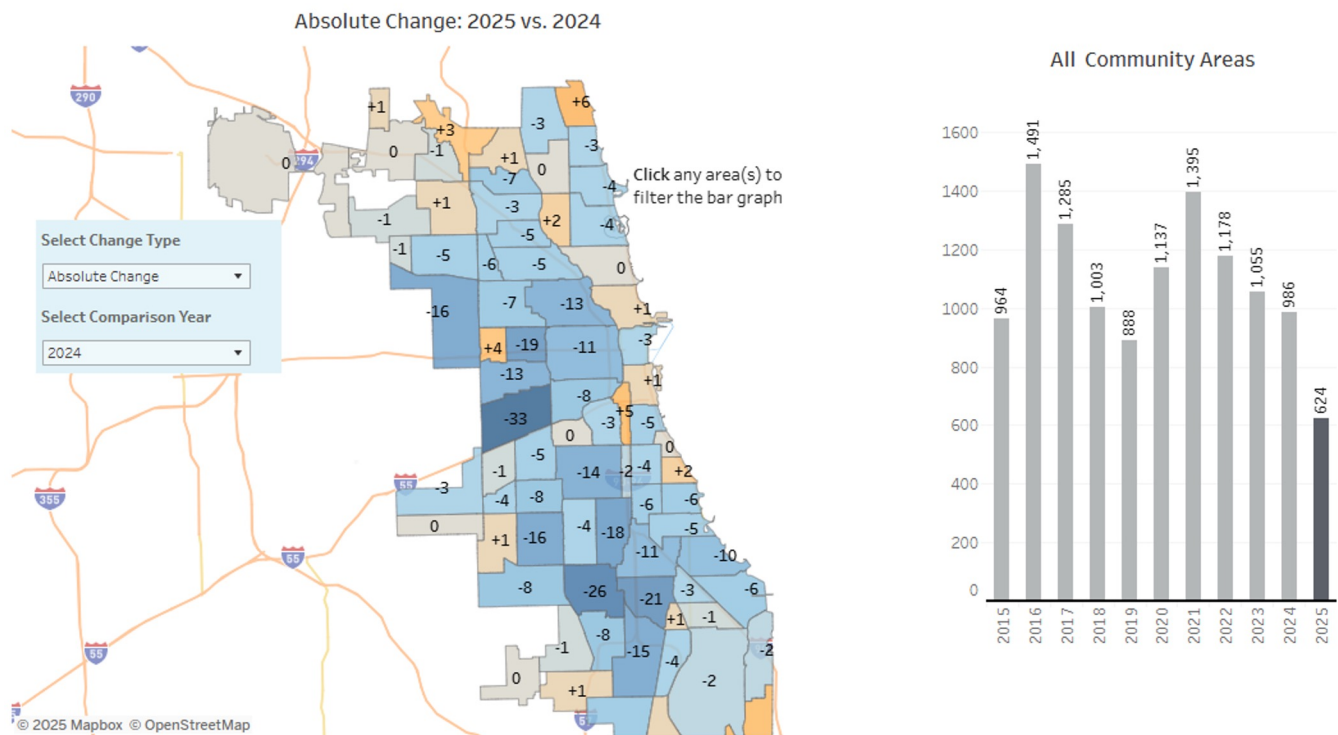


Change map

Select Date Range	Select Crime Type	Select Geography	Select Victim Type
Year-to-date (2025)	Fatal and Non-Fatal Shooting	Community Area	All Victims

Fatal and Non-Fatal Shooting Victimization, Jan 1 through May 31

The map below displays the change over time in reported victimizations by geography. Using the *Select Change Type* parameter below, you can toggle between percent change and absolute change. Using the *Select Comparison Type* parameter below, you can select the year of comparison. The bar graph on the right shows the total number of victimizations for each year since 2011.





Time-of-day & day-of-week heatmap

Select Date Range

Select Crime Type

Select Geography

Select Focus Geography

Select Victim Type

Custom Date Range

Fatal and Non-Fatal Shooting

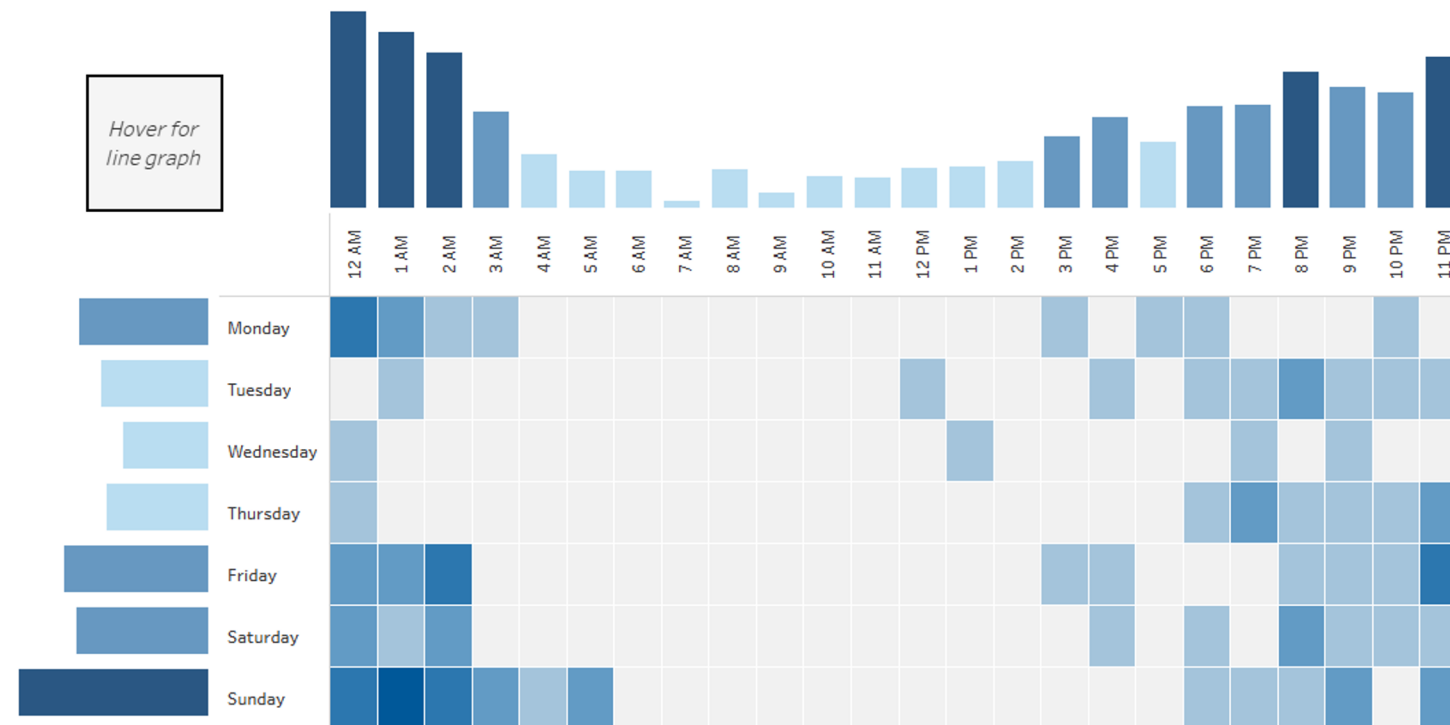
Community Area

(All)

All Victims

Fatal and Non-Fatal Shooting Victimization by Time of Day and Day of Week in All Community Areas, May 26, 2024 through Sep 10, 2024

The graphs below display victimization numbers across two time units, hours of the day across the top, and days of the week to the left. The heat map in the center uses these graphs as axes, allowing viewers to trace the intersection between these two units. Using the Select Date Range, Geography, and Crime Type filters, users can choose what information is presented in the graph.



Overview

- Launched in 2017, MPI has become a leader in the community violence intervention (CVI) field, enabling CVI organizations to focus on their core competencies while building their capacity
- The framework of Metropolitan Peace Initiatives is to coordinate, support and sustain a cross-agency infrastructure made up of local community-based and city-wide organizations that deliver a comprehensive set of services to heal communities at highest risk for violence.
- Our next steps are to expand our breadth of services and supports to the CVI community both locally and nationally



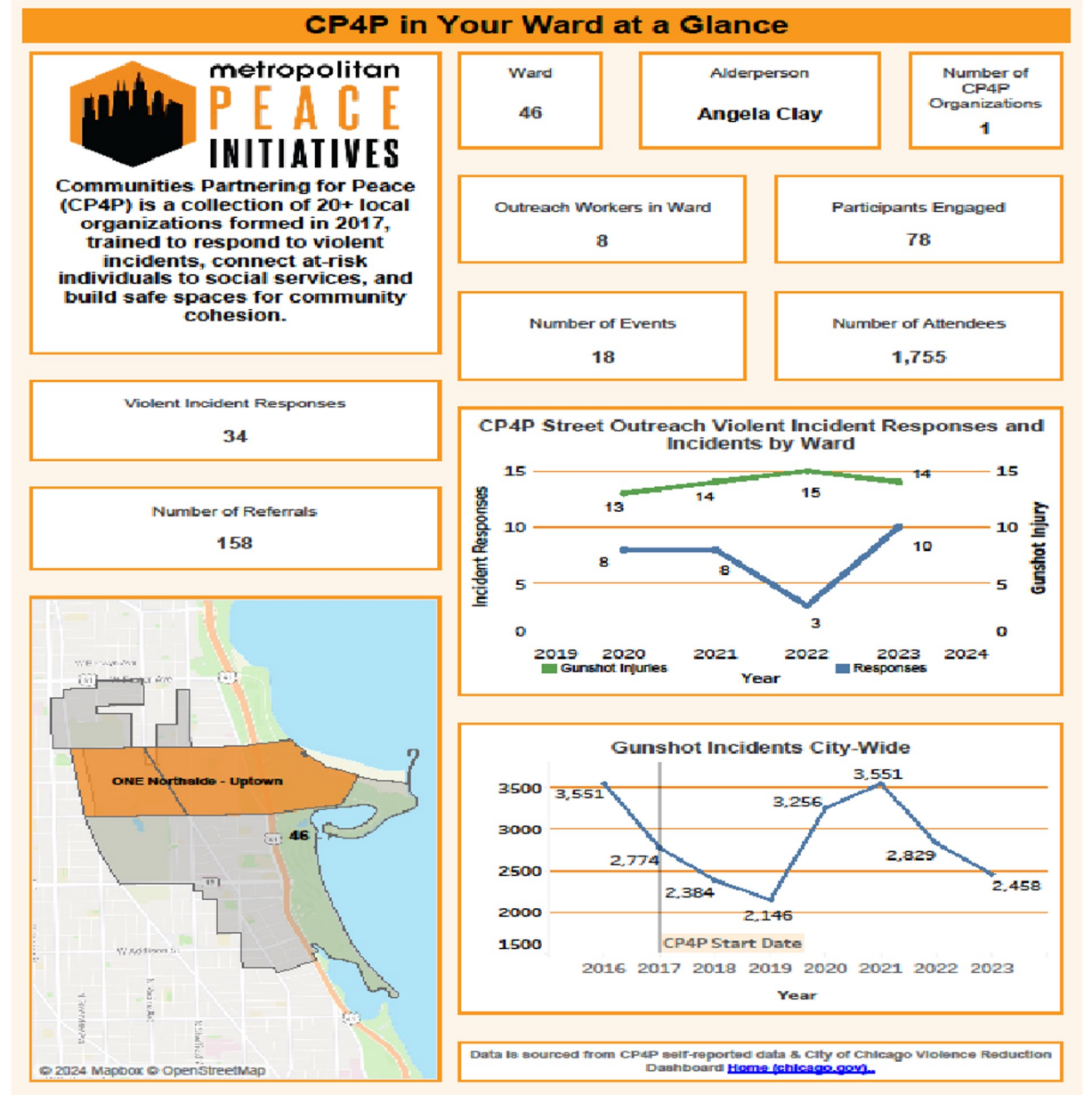
SNAPSHOT OF GUN VIOLENCE TRENDS IN ONE COMMUNITY

Select Date Range	Select Geography Type	Select Focus Geography	Select Victim Type
Year-to-date (2025)	Community Area	North Lawndale	All Victims

Victim Counts and Comparison in North Lawndale, Jan 1 through May 26			
This chart compares the number of victimizations in the selected period to the prior year for different types of crime.			
	2024	2025	% Change
Homicide Victimizations	8	7	-12.5%
Fatal Shooting Victimizations	6	6	0.0%
Non-Shooting Homicide Victimizations	2	1	-50.0%
All Shooting Victimizations	41	30	-26.8%
Fatal Shooting Victimizations	6	6	0.0%
Non-Fatal Shooting Victimizations	35	24	-31.4%
Criminal Sexual Assault Victimizations	28	25	-10.7%
Robbery Victimizations	111	77	-30.6%
Vehicular Hijacking Victimizations	17	8	-52.9%
Aggravated Battery Victimizations	126	91	-27.8%
Aggravated Assault Victimizations	167	114	-31.7%
Human Trafficking Victimizations	1	2	+100.0%
All Violent Crime Victimizations	490	347	-29.2%
Multi-Victim Shooting Incidents	6	1	-83.3%
ShotSpotter Alerts	751	0	-100.0%

LEGISLATIVE FACT SHEET

CREATED AT VARIOUS LEVELS
WARD
STATE REPRESENTATIVE
STATE SENATE



Weekend & Holiday Shooting Snapshot

CP4P WEEKLY SHOOTING UPDATE

The below map shows Chicago communities, highlighting community areas with the most substantial increases in year-to-date incidents (shown in **red** with a **red dot**) and most substantial decreases in year-to-date decreases (shown in **green** with a **green dot**) of shooting incidents from 2023 to 2024 year to date.

The overlaid **blue** map indicates the CP4P organization outreach boundaries within which the outreach workers stay and conduct conflict mediations, incident responses, and other community violence intervention strategies.

21 of 40 communities with Street Outreach are experiencing a reduction in shooting victimizations year-to-year

(9 of the 40 communities have not experienced shooting victimizations through February 12th in both 2023 and 2024)

Communities with CP4P street outreach with the most substantial year-to-date incident increases:

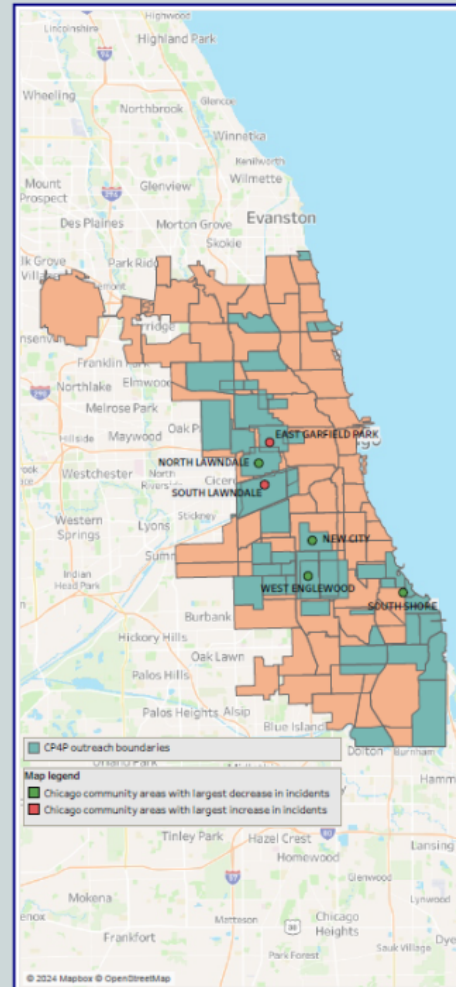
South Lawndale: +9
East Garfield Park: +7

CP4P communities with the most substantial year-to-date incident reductions:

West Englewood: -10
North Lawndale: -8
New City: -6
South Shore: -6

Community violence intervention (CVI) staff express the most significant areas of focus for 2024 as domestic violence, interpersonal and group related incidents like conflicts related to drug sales and disputes over community territory. Additionally, **South Lawndale** experienced a mass shooting on Sunday, February 11th, which makes up the majority of their increased incidents.

CP4P staff are employing several strategies to mitigate these challenges, including but not limited to increased canvassing and saturation of hot spots, focusing community events to reclaim safe spaces in affected communities, and working with key individuals to establish peace agreements and non-aggression agreements.



Weekend & Holiday Shooting Snapshot

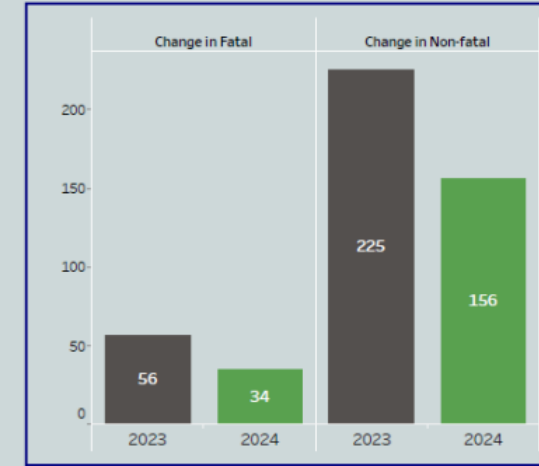
CP4P Weekly Shooting Update

CP4P communities are experiencing 37 fewer shooting incidents when compared to the same timeframe last year, a 28% reduction. There have been 76 fewer shooting incidents and 91 fewer shooting victims across Chicago in 2024 than last year at this time.

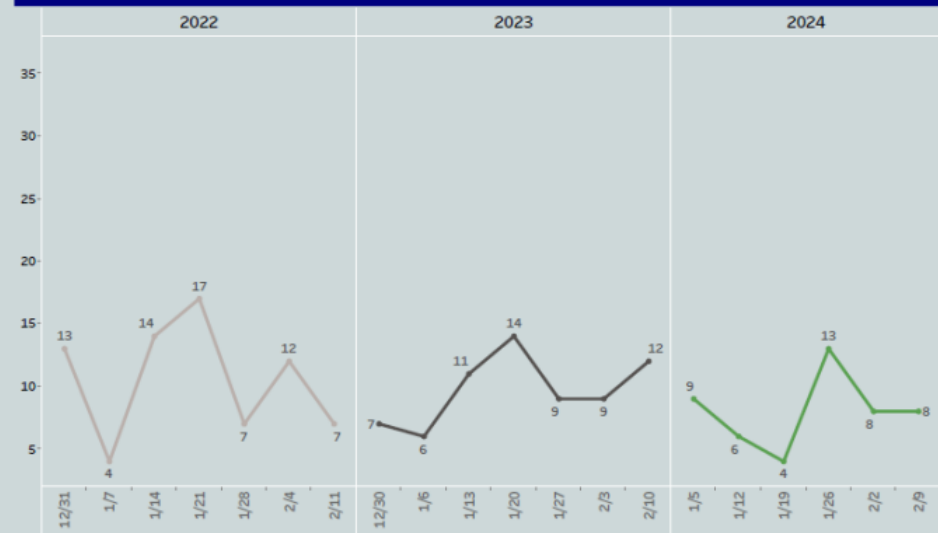
Of the 169 incidents in Chicago, 96 of those incidents occurred in CP4P coverage zones representing 57% of the city-wide yearly total. CP4P communities are seeing a 27% reduction in non-fatal shootings and 31% reduction in fatal shootings.

Chicago Shooting Victimization
Year-to-Date Comparison of 2023 and 2024
through February 12th

Change in Fatal	-31.67%
Change in Non-fatal	-30.67%
Grand Total	-30.88%



WEEKEND SHOOTING DATA CP4P street outreach communities 2024



Informing Partners

Last refreshed:
5/26/2025
6:20:00 PM

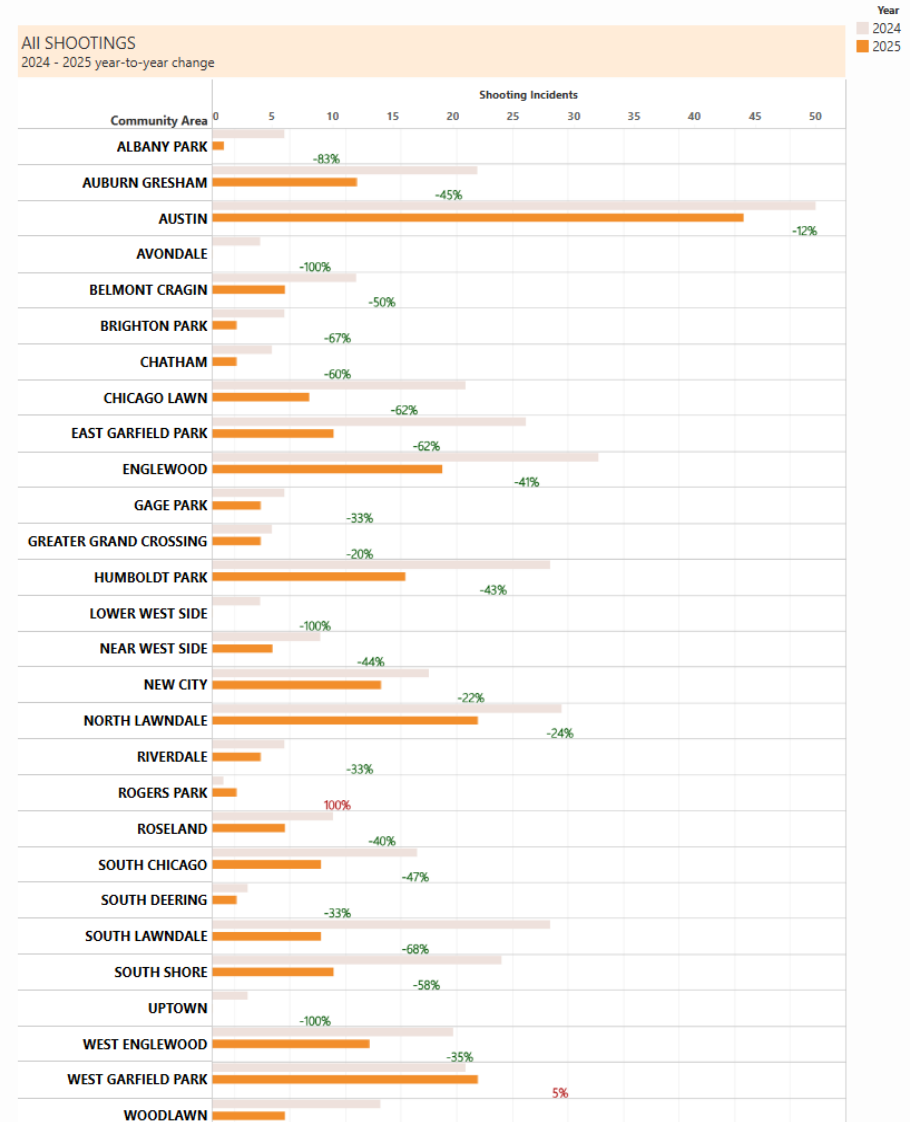
Violence Reduction Dashboard

Shooting incidents year to year

Incident type
☒ (All)
☐ FATAL
☐ NON-FATAL

All SHOOTINGS

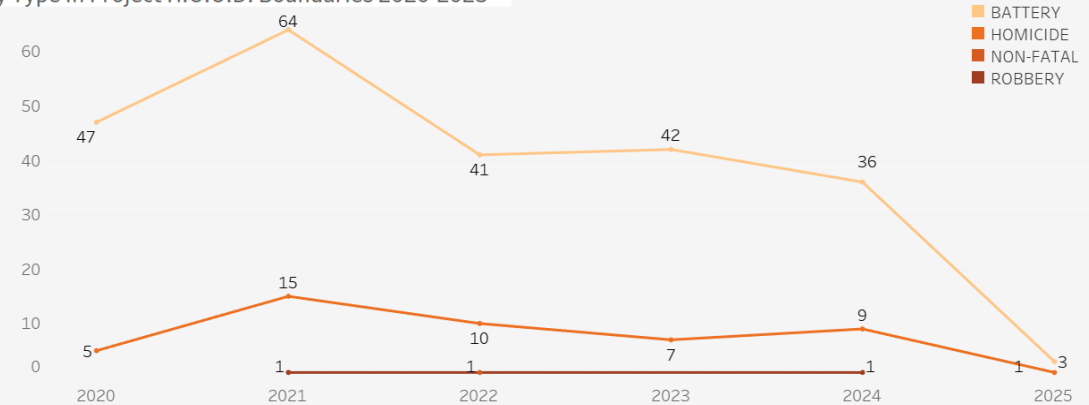
2024 - 2025 year-to-year change



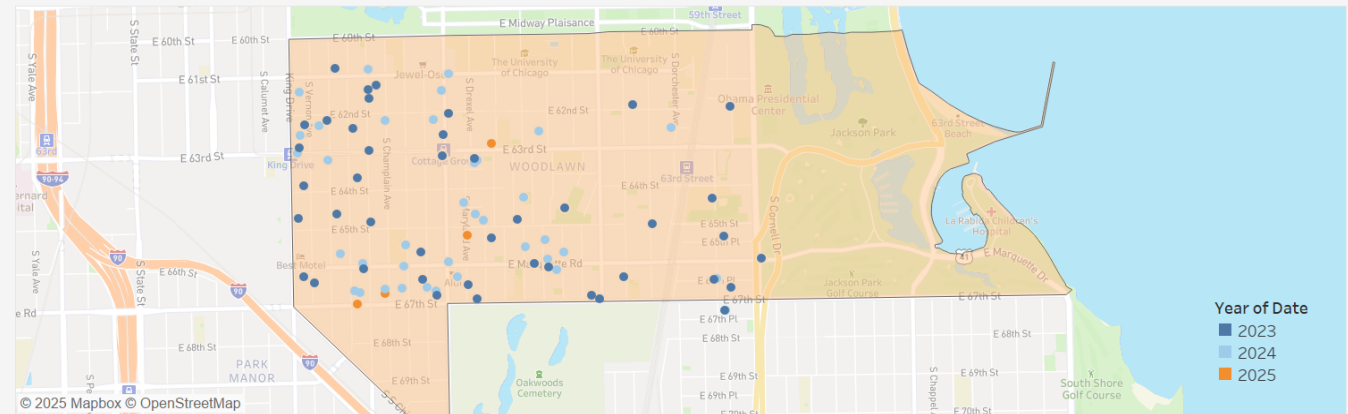
Informing Partners

Project H.O.O.D. Violence Reduction Data

Incidents by Type In Project H.O.O.D. Boundaries 2020-2025

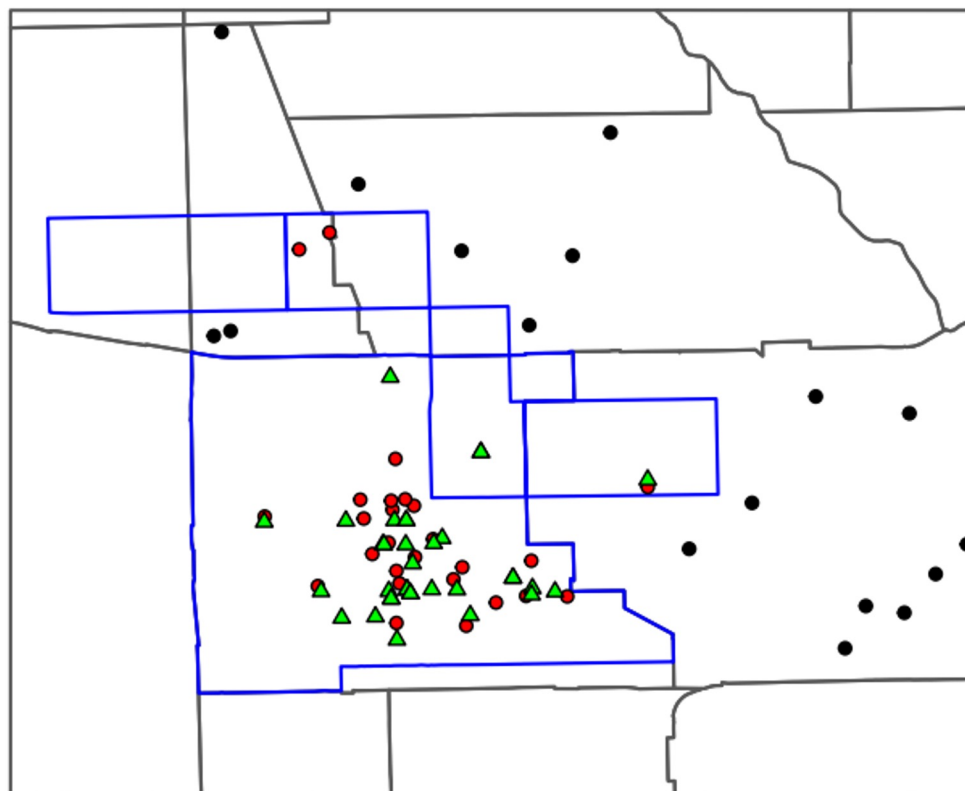


Shooting Incident in Project H.O.O.D Boundaries 2023-2025



COMBINED WITH
OTHER DATA
SOURCES

ALSO – Humboldt Park: 2022 Q1 Shooting Incidents & Mediations



Event	Count
In Coverage Shooting	26
Outside Coverage Shooting	17
Mediation	34

Key

- In Coverage Shooting
- ▲ Mediation
- Outside Coverage Shooting

Zone

- ALSO – Humboldt Park



Q&A

○ Tips for Building a Dashboard in Your City

Show Me the Data


Understand Use Cases

Build Momentum Through Small Wins

Assemble the Right Team



Everytown's Data Tool for Local Gun Violence Dashboards



Everytown Research & Policy

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- [Local Dashboards 101](#)
- [Dashboard Examples](#)
- [Steps for Developing](#)
- [Conclusion](#)
- [Appendices](#)


DATA TOOL

Local Gun Violence Dashboards

A step-by-step toolkit for leveraging data toward community safety.

By: Megan J. O'Toole, Katie Appel Duda

1.23.2025





Q&A





Closing

Katie Hill, UChicago Crime Lab




**SCAN TO VISIT
OUR WEBSITE**

 THE UNIVERSITY OF CHICAGO

 THE UNIVERSITY OF CHICAGO
CRIME LAB
Urban Labs

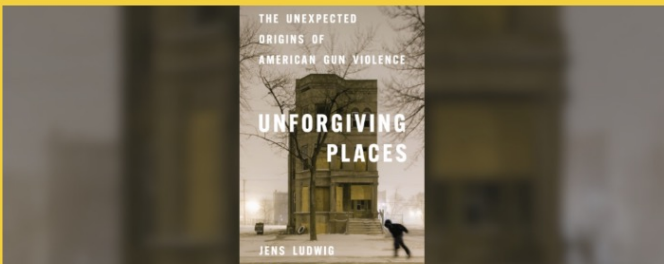
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Reducing Gun Violence, Advancing Justice

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.



Unforgiving Places: The Unexpected Origins of American Gun Violence

Crime Lab Pritzker Director Jens Ludwig authored a book that argues the lack of progress in reducing gun violence ultimately stems from our having misunderstood the nature of the problem, and that behavioral science gives us a new way to understand – and solve – gun violence in America.

THE
NEW YORKER