Figures

Neighborhood inequality and violence in Chicago, 1965-2020

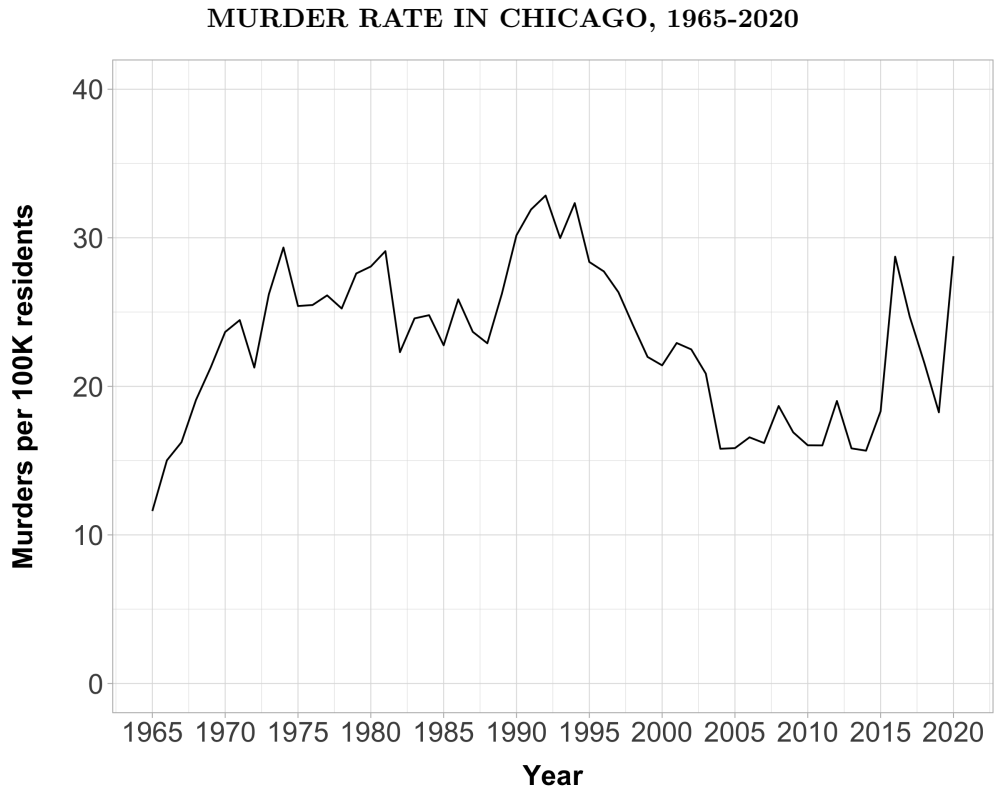


Figure 1: Murders per 100,000 residents in Chicago, 1965-2020.

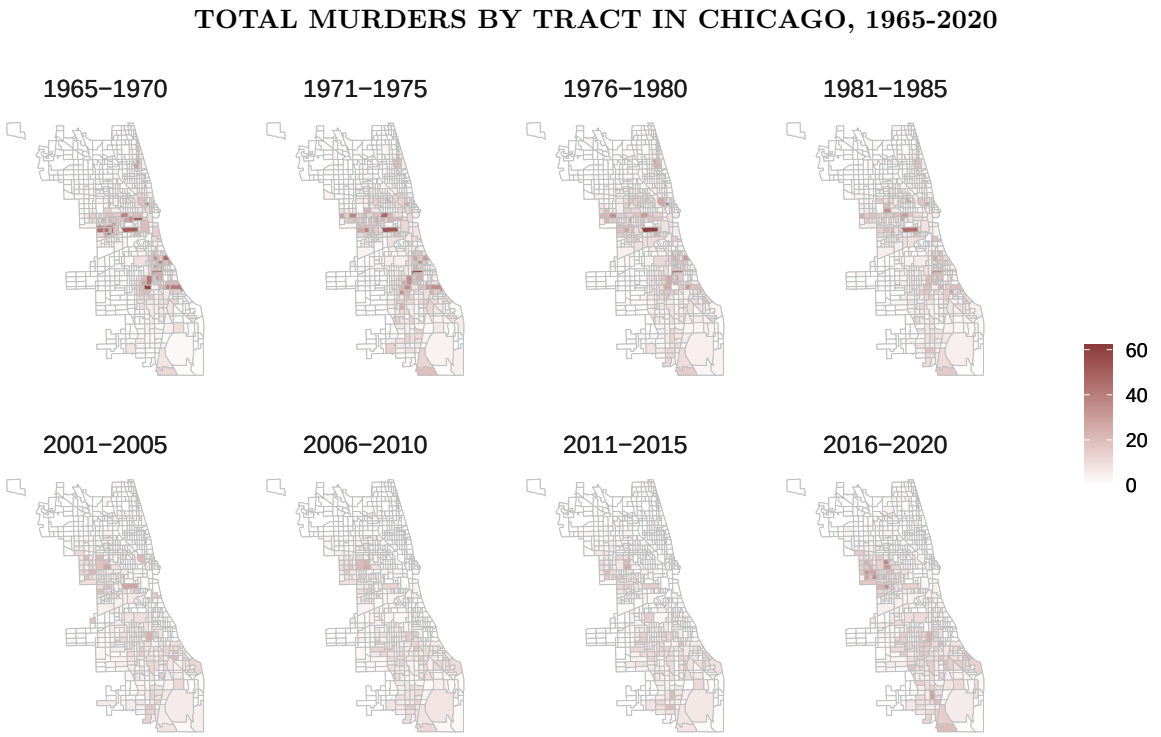


Figure 2: Total murders by census tract in Chicago, broken into two periods: 1965-1985 and 2000-2020.

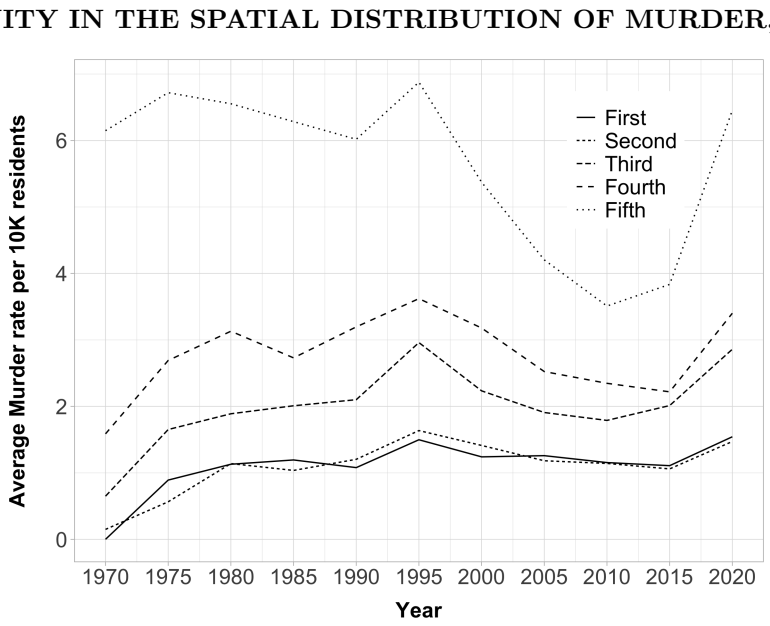
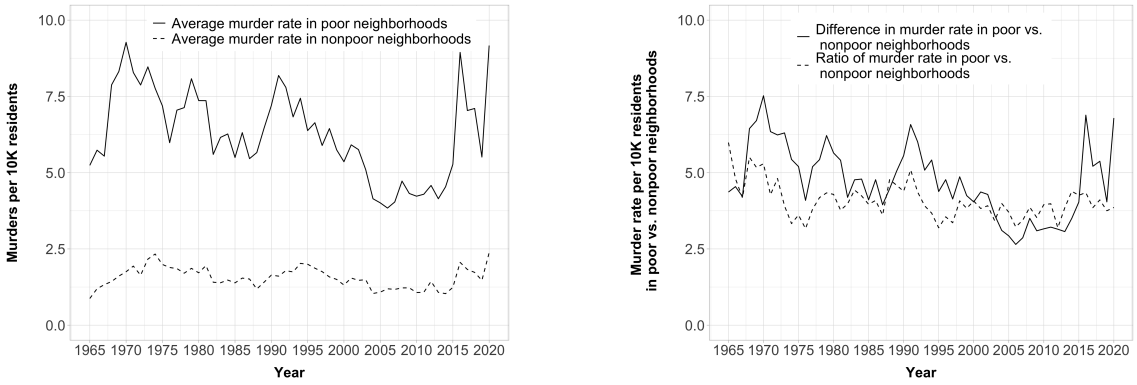


Figure 3: Average murders per 10,000 residents by quintile based on 1965-1970 murder rate in Chicago, 1965-2020.

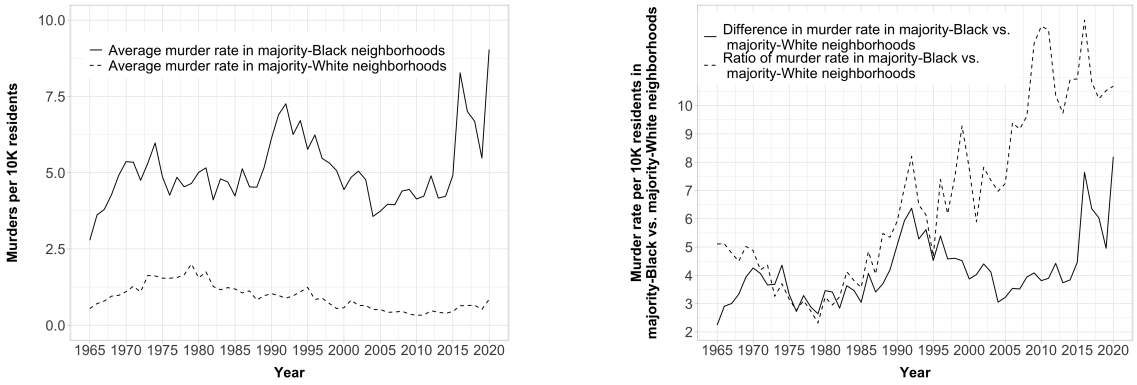
NEIGHBORHOOD VIOLENCE IN POOR AND NON-POOR NEIGHBORHOODS, 1965-2020



(a) (b)

Figure 4: (a) Average neighborhood murders per 10,000 residents for poor and non-poor neighborhoods in Chicago, 1965-2020. (b) Ratio of and difference in neighborhood murders per 10,000 residents for poor versus non-poor neighborhoods in Chicago, 1965-2020.

NEIGHBORHOOD VIOLENCE IN MAJORITY-BLACK AND MAJORITY-WHITE NEIGHBORHOODS, 1965-2020

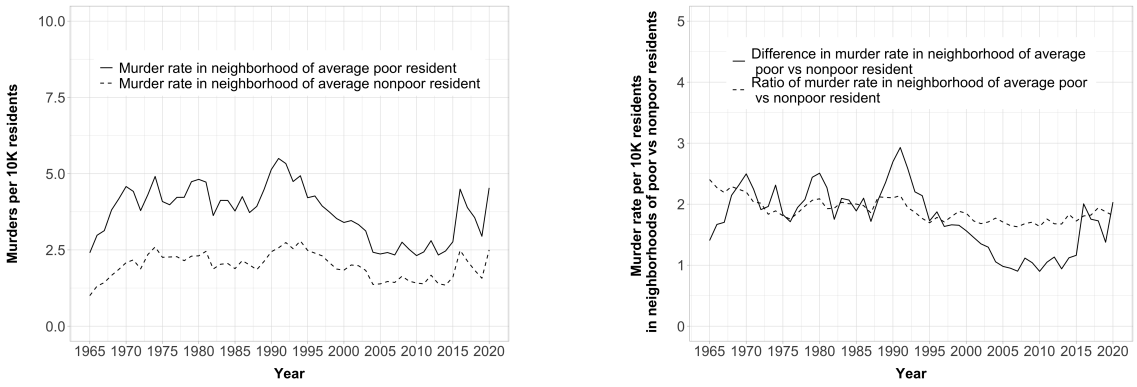


(a) (b)

Figure 5: (a) Average neighborhood murders per 10,000 residents for majority-Black and majority-white neighborhoods in Chicago, 1965-2020. (b) Ratio of and difference in neighborhood murders per 10,000 residents for majority-Black versus majority-white neighborhoods in Chicago, 1965-2020.

The distribution of violence across segments of the population

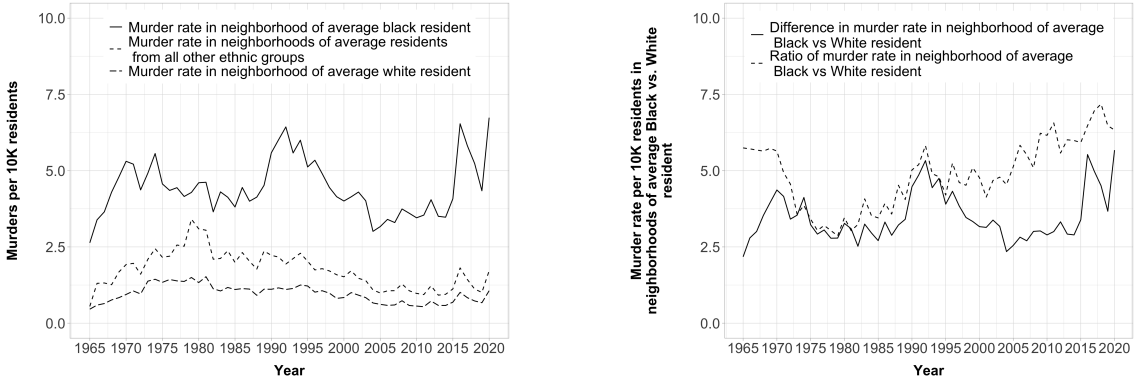
EXPOSURE TO NEIGHBORHOOD VIOLENCE FOR POOR AND NON-POOR RESIDENTS, 1965-2020



(a) (b)

Figure 6: (a) Exposure to murders per 10,000 residents for poor and non-poor residents in Chicago, 1965-2020. (b) Ratio of and difference in exposure to murders per 10,000 residents for poor versus non-poor residents in Chicago, 1965-2020.

EXPOSURE TO NEIGHBORHOOD VIOLENCE FOR BLACK, WHITE, AND ALL OTHER RESIDENTS, 1965-2020



(a) (b)

Figure 7: (a) Exposure to murders per 10,000 residents for Black residents, white residents, and residents of all other ethnic/racial groups in Chicago, 1965-2020. (b) Ratio of and difference in exposure to murders per 10,000 residents Black residents versus white residents in Chicago, 1965-2020.

EXPOSURE TO NEIGHBORHOOD VIOLENCE FOR BLACK RESIDENTS INSIDE AND OUTSIDE OF MAJORITY-BLACK NEIGHBORHOODS, 1965-2020

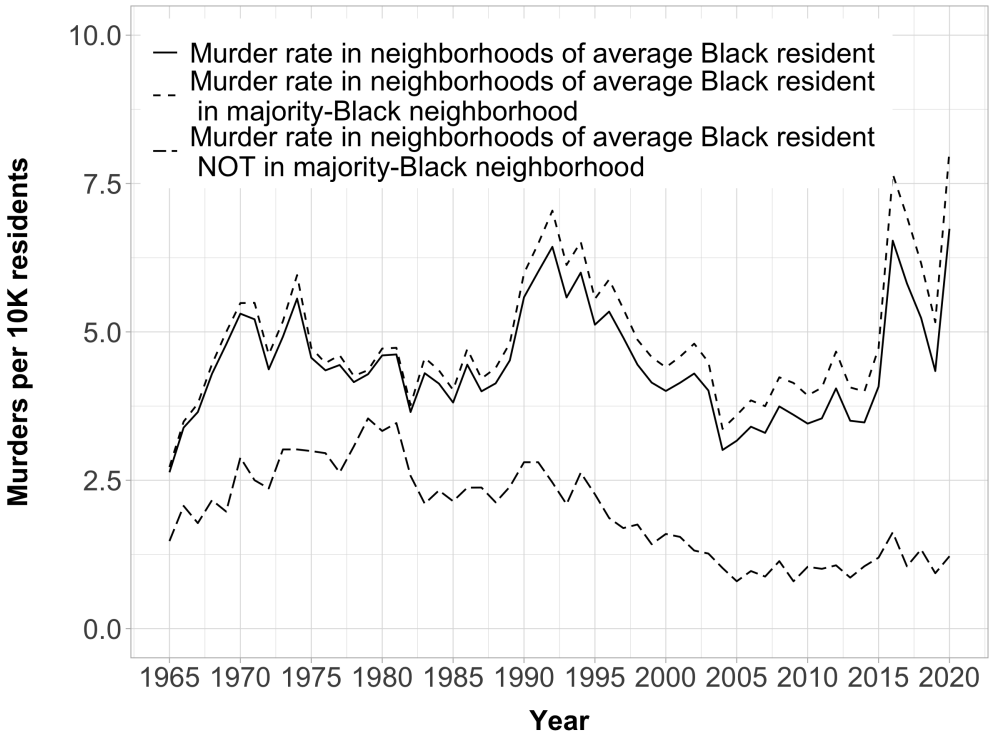


Figure 8: Exposure to murders per 10,000 residents for Black residents overall, Black residents inside majority-Black neighborhoods, and Black residents outside majority-Black neighborhoods in Chicago, 1965-2020.

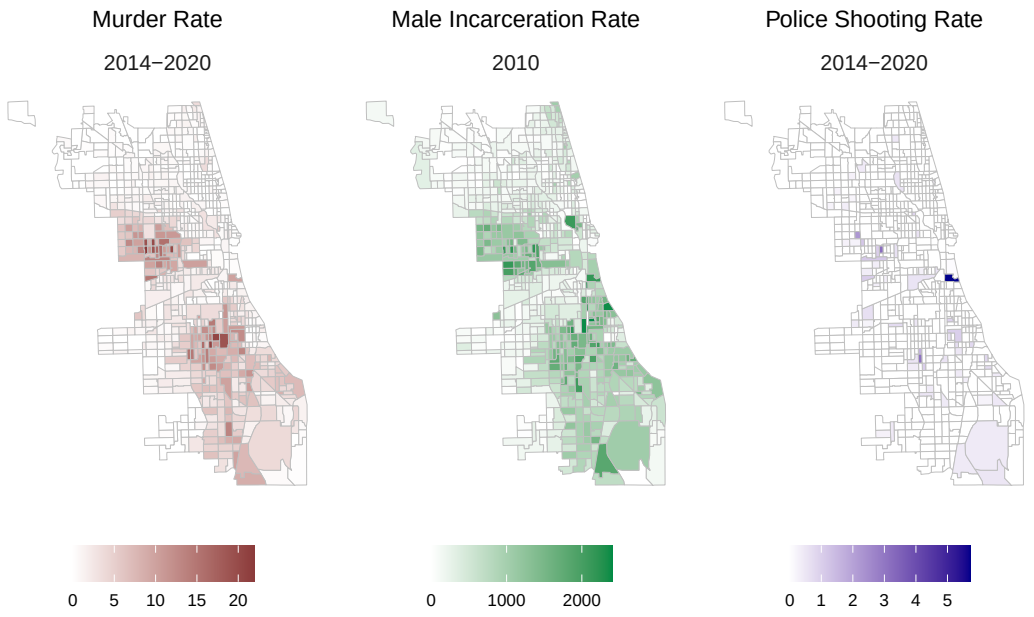


Figure 9: Comparison between the spatial distributions of shootings per 10,000 residents from 2014 through 2020, 2010 male incarcerations per 10,000 residents, and police shootings per 10,000 residents from 2014 through 2020 in Chicago.

	2010 Male Incarceration Rate	**2014-2020 Police Shootings Rate**
Overall		
Chicago	549	0.06
2014-2020 Quintile		
First Quintile	201	0.02
Middle Quintiles	443	0.03
Fifth Quintile	1203	0.19
2014-2020 Race		
Majority White	219	0.02
Majority Black	1089	0.11
All Other Nbhds	402	0.07
2014-2020 Poverty		
Poor	1089	0.12
Nonpoor	390	0.04

Table 1: Average neighborhood 2010 male incarcerations per 10,000 residents and average neighborhood police shootings per 10,000 residents from 2014 through 2020 for Chicago overall and by quintile based on *2010-2020* murder rates, race/ethnicity, and poverty.

	2010 Male Incarceration Rate	2014-2020 Police Shootings Rate
Overall		
Chicago	549	0.06
1965-1970 Quintile		
First Quintile	256	0.02
Middle Quintiles	488	0.04
Fifth Quintile	1017	0.16
1965-1970 Race		
Majority White	331	0.03
Majority Black	1158	0.15
All Other Nbhds	474	0.00
1965-1970 Poverty		
Poor	1242	0.16
Nonpoor	504	0.05

Table 2: Average neighborhood 2010 male incarcerations per 10,000 residents and average neighborhood police shootings per 10,000 residents from 2014 through 2020 for Chicago overall and by quintile based on *1965-1970* murder rates, race/ethnicity, and poverty.

	Rate of Neighborhood Shootings				Rate of Exposure to Shootings			
	2014	**2020**	**Absolute Change**	**% Change**	**2014**	**2020**	**Absolute Change**	**% Change**
Overall								
Nation	0.99	1.72	0.73	73.74	0.76	1.28	0.53	70.00
2014-2020 Race								
Black	2.91	5.45	2.54	87.29	1.79	3.16	1.38	77.09
White	0.37	0.59	0.22	59.46	0.41	0.70	0.30	72.72
Hispanic	0.70	1.10	0.40	57.14	0.62	1.01	0.39	63.36
AAPI					0.34	0.53	0.19	56.44
Other	0.71	1.14	0.43	60.56	0.64	1.05	0.42	65.44
2014-2020 Poverty								
Poor	2.30	4.38	2.08	90.43	1.15	2.05	0.89	77.61
Nonpoor	0.58	0.90	0.32	55.17	0.65	1.12	0.47	72.57

Table 3: Average neighborhood shootings per 10,000 residents and average exposure to shootings per 10,000 residents in 2020 versus 2014 for neighborhoods in all 100 largest U.S. cities and by 2014-2020 race/ethnicity and poverty level.

	2010 Male Incarceration Rate	**2014-2020 Police Shootings Rate**
Overall		
Nation	423	0.06
2014-2020 Quintile		
First Quintile	240	0.01
Middle Quintiles	371	0.04
Fifth Quintile	740	0.17
2014-2020 Race		
Majority White	213	0.05
Majority Black	970	0.09
Majority Hispanic	383	0.07
All Other Nbhds	377	0.06
2014-2020 Poverty		
Poor	817	0.10
Nonpoor	301	0.05

Table 4: Average 2010 male incarcerations per 10,000 residents and average police shootings per 10,000 residents from 2014 through 2020 for neighborhoods in all 100 largest U.S. cities and by quintile based on 2014-2020 shooting rates, race/ethnicity, and poverty.