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Gun Violence in Leon County, 2019-2023

Presentation to the LCSO CVIPI Planning Team

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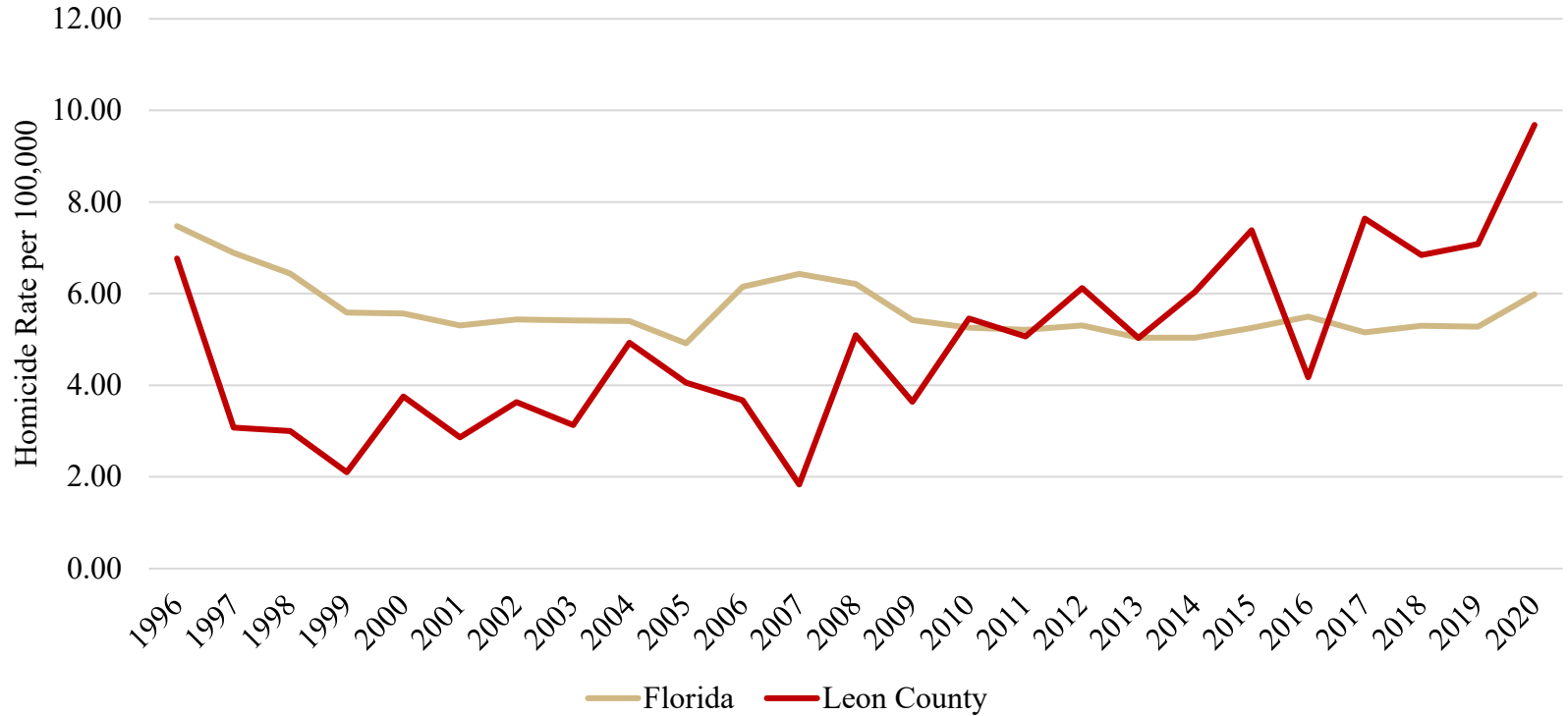


Overview

- Historical trends of fatal and nonfatal gun violence
- Comparison with other counties in Florida
- Detailed analysis of LCSO and TPD case files



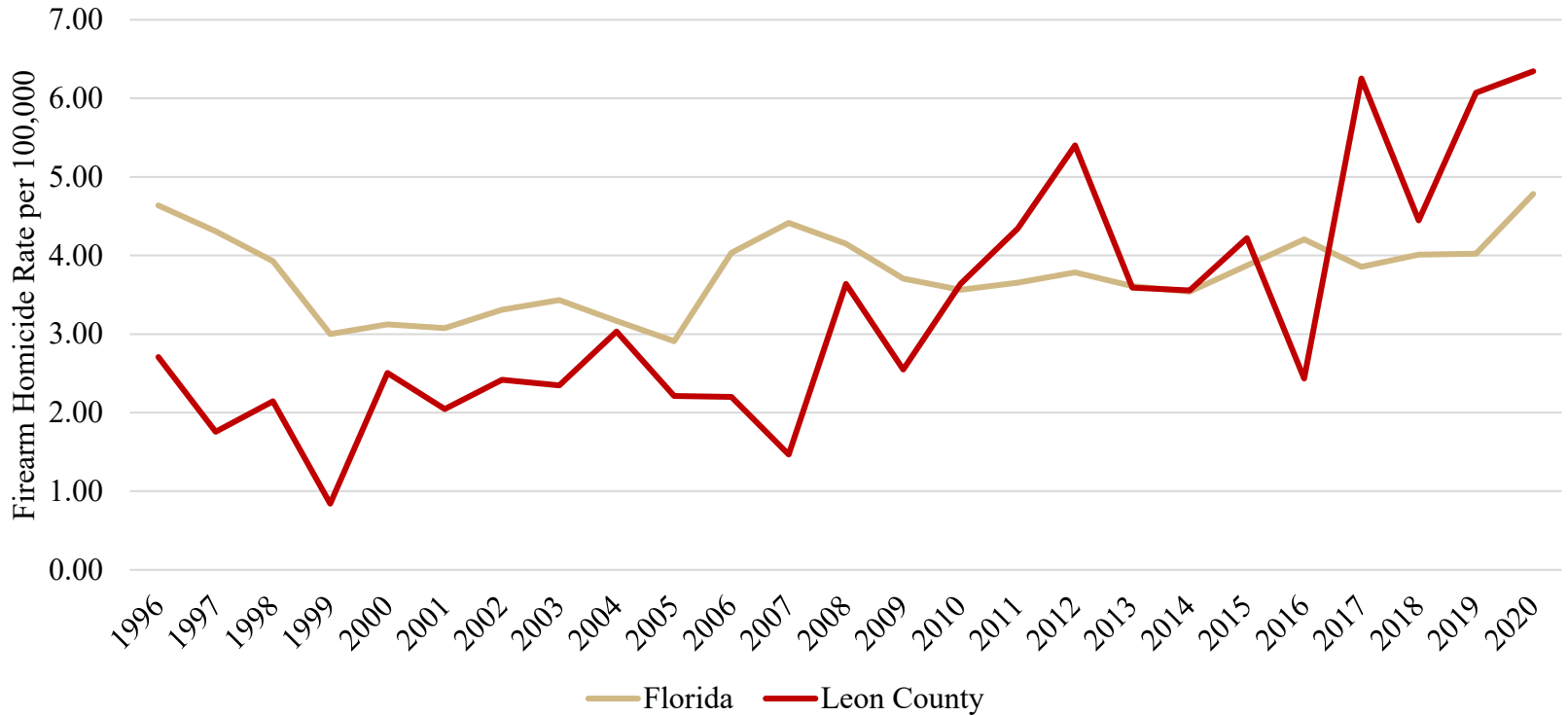
Trends: Homicide



Source: Florida Department of Law Enforcement (FDLE)



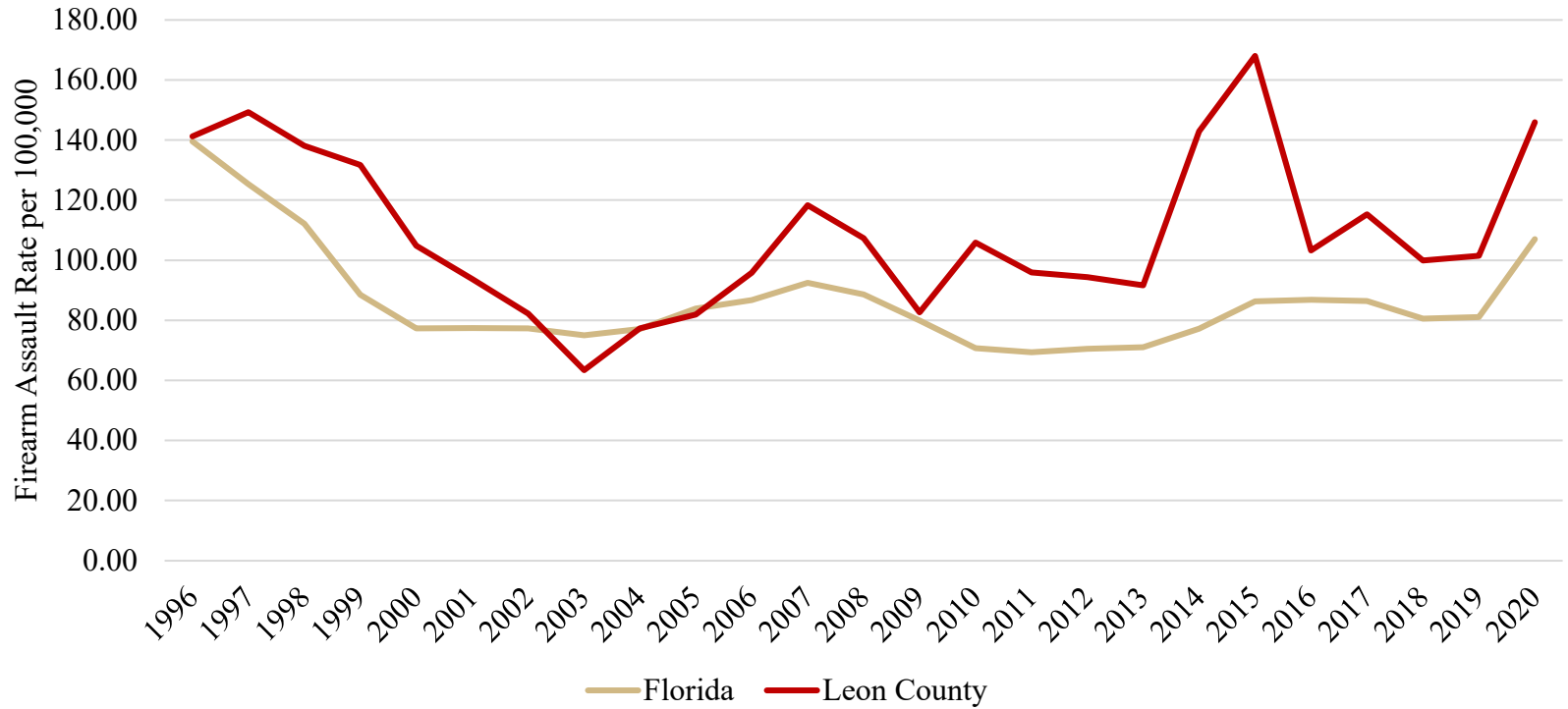
Trends: Firearm Homicide



Source: Florida Department of Law Enforcement (FDLE)



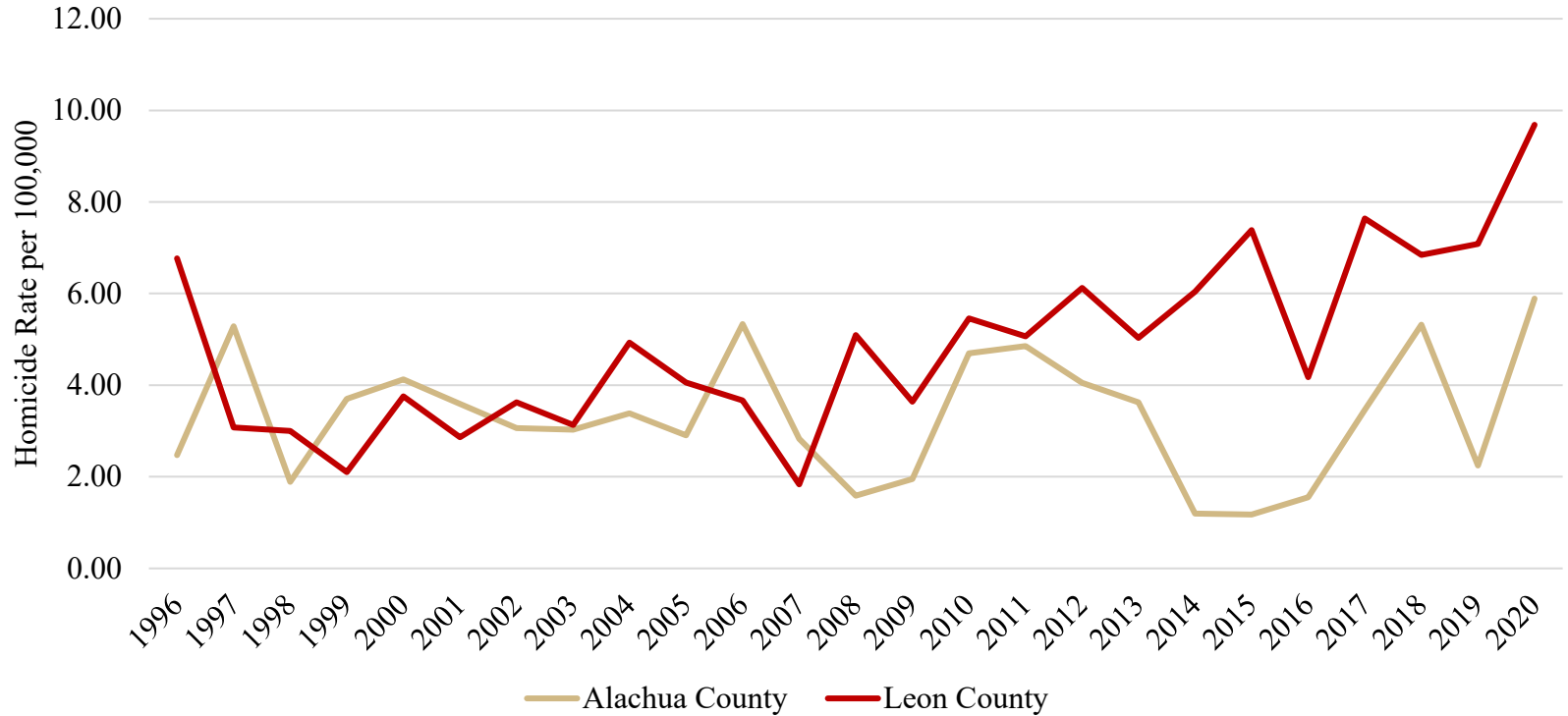
Trends: Firearm Assault



Source: Florida Department of Law Enforcement (FDLE)



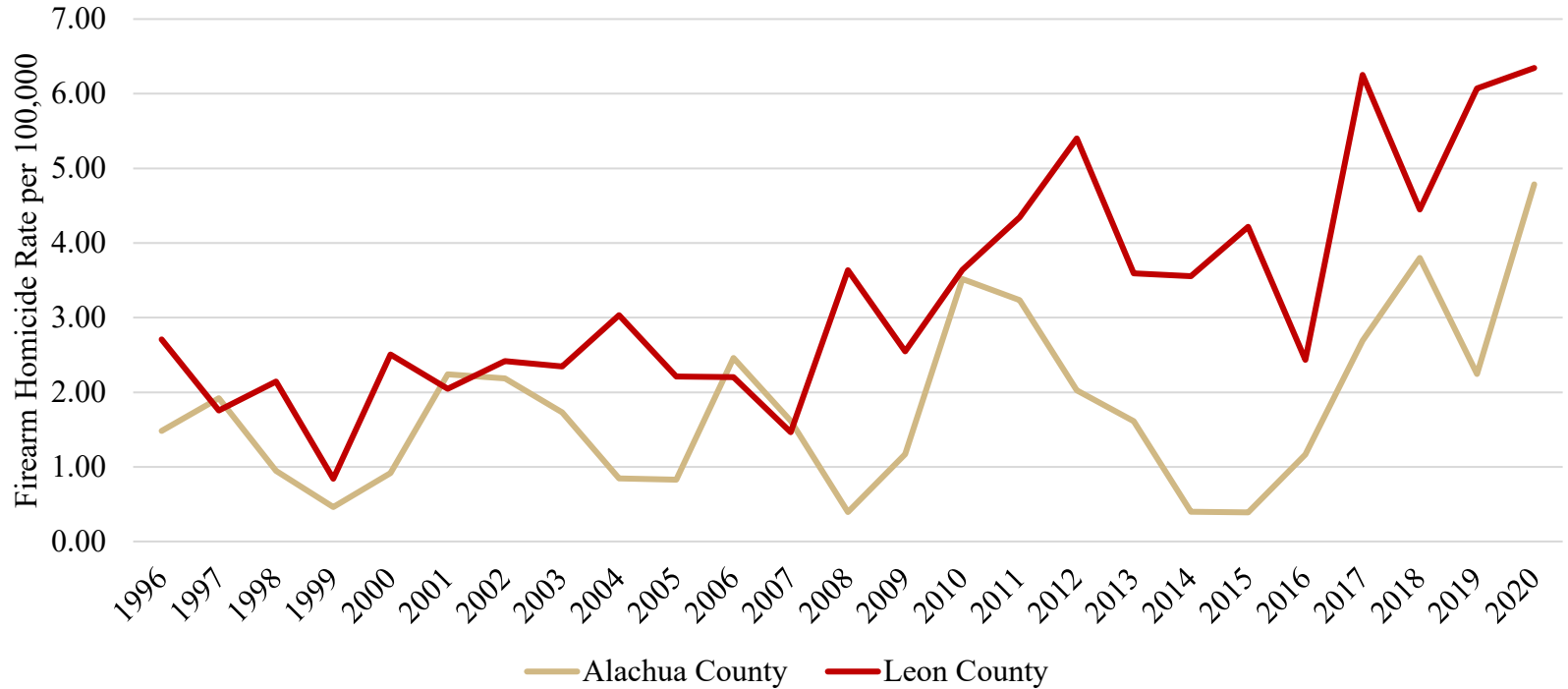
Trends: Homicide



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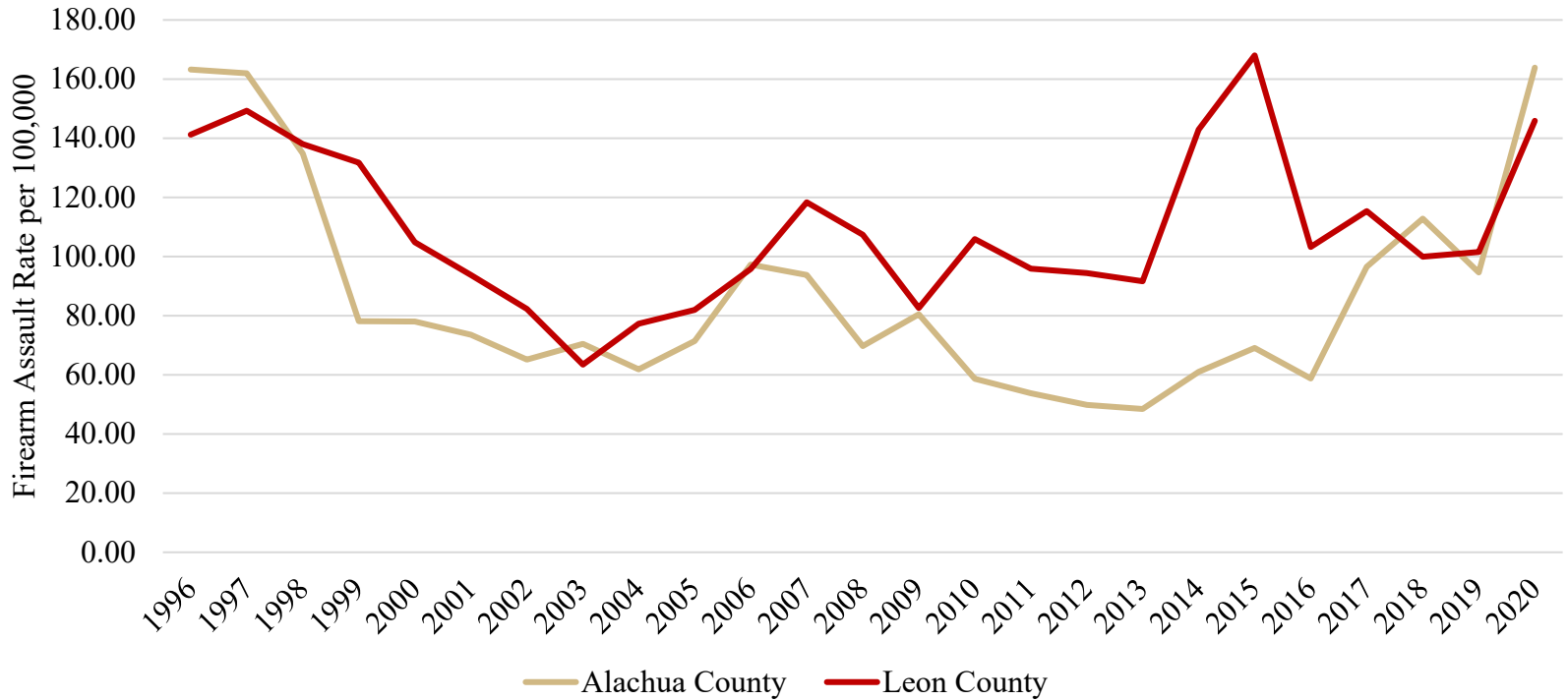
Trends: Firearm Homicide



Source: Florida Department of Law Enforcement (FDLE)



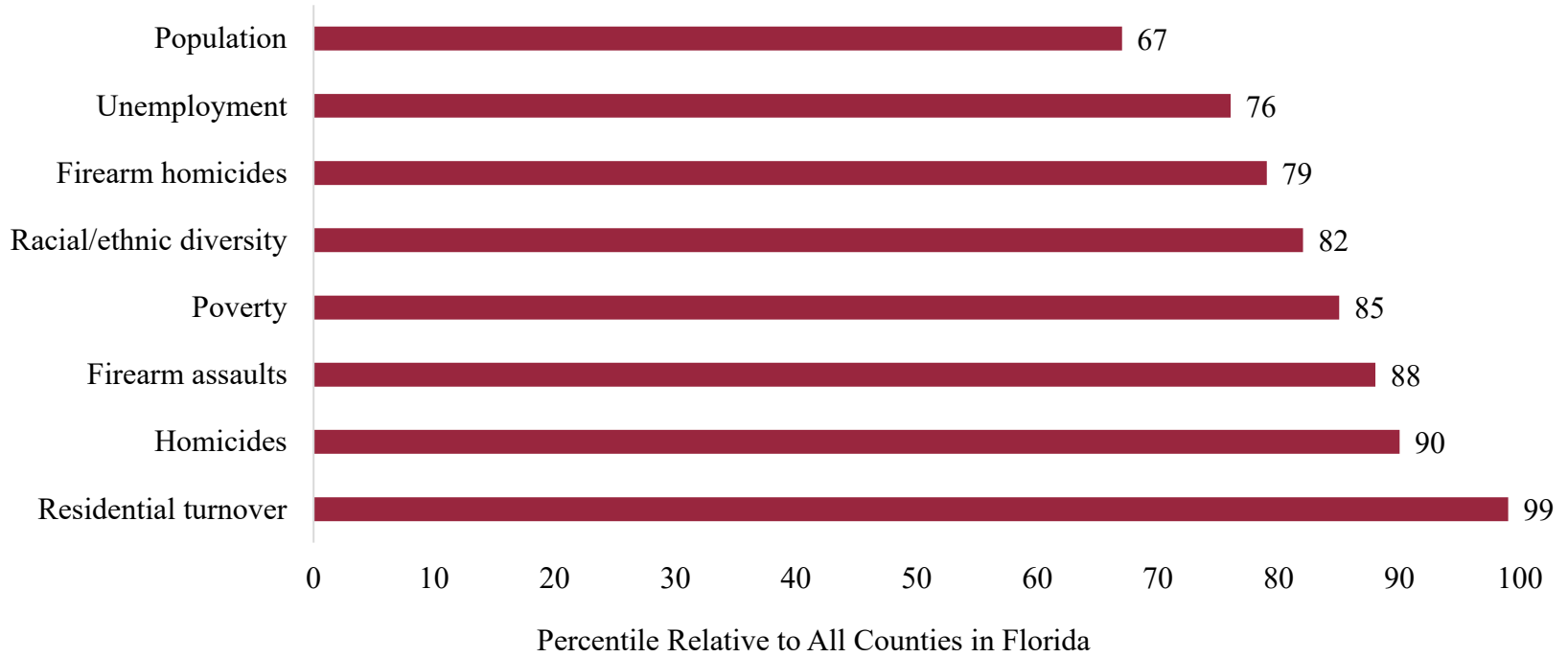
Trends: Firearm Assault



Source: Florida Department of Law Enforcement (FDLE)



Leon County in Context



Source: Florida Department of Law Enforcement (FDLE); American Community Survey (ACS, 2017-2021)

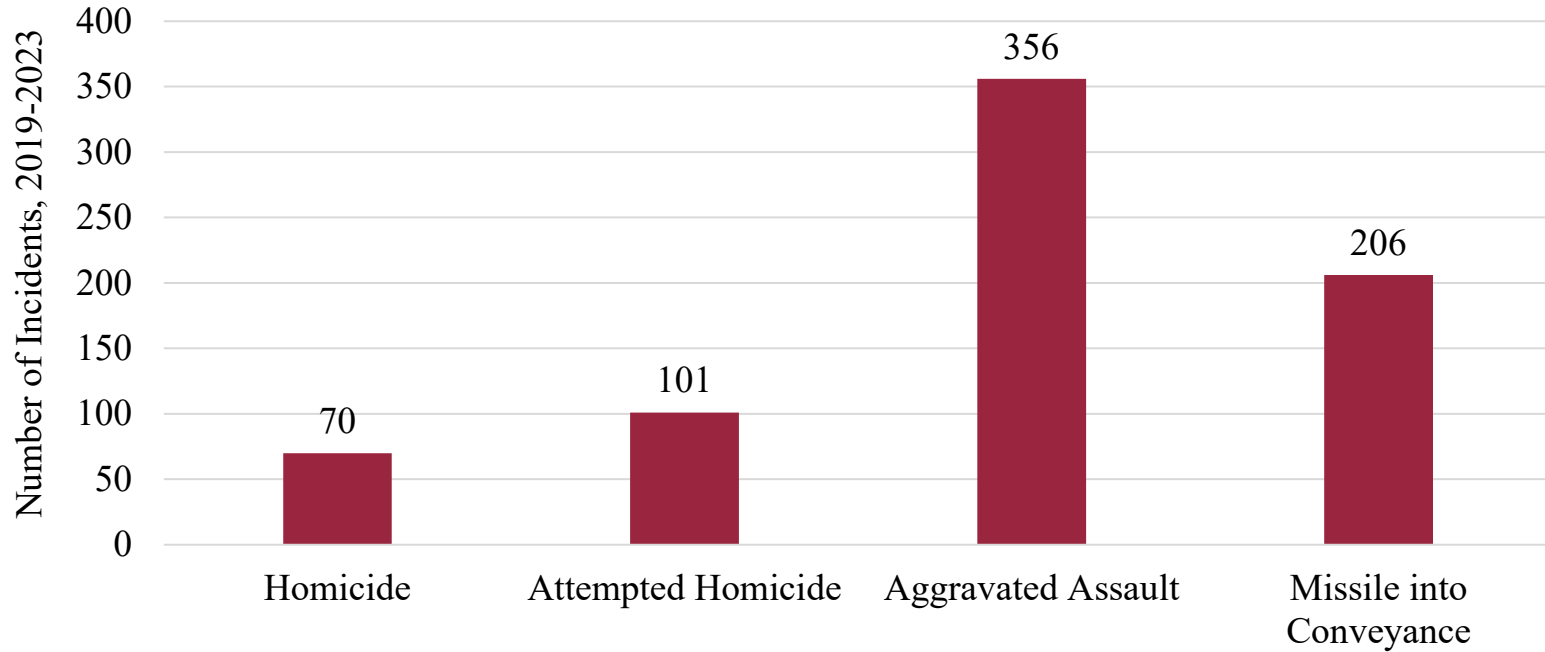


Methods

- Collected data on all incidents in which shots were fired with the intent to harm another person, including:
 - Homicides (all weapons)
 - Aggravated assault
 - Aggravated battery
 - Shootings into dwellings and conveyances (“drive-bys”)
- Time period: June 2019 – June 2023
- Examined 1,930 cases for inclusion and identified 733 relevant incidents

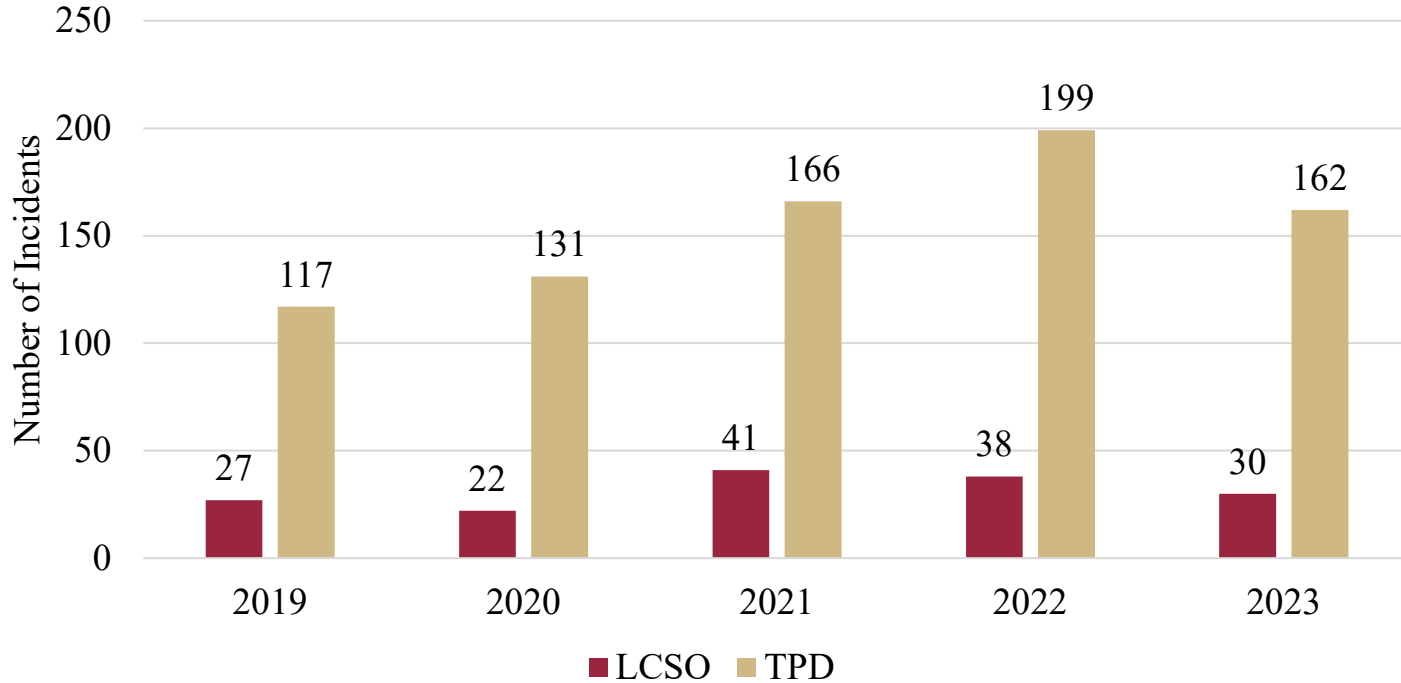


Number of Incidents by Type





Shootings in Leon County by Agency, 2019-2023



Note: Data for 2019 and 2023 projected based on monthly data from 2020-2022



Shootings in Leon County by ZIP Code, 2019-2023

ZIP Code	Number of Incidents	Rate per 10,000
32310	119	84.46
32304	238	51.91
32301	112	34.54
32305	68	32.67
32303	121	23.91
32308	18	8.03
32311	16	7.54
32312	24	7.51
32307	1	5.69
32309	8	2.39
32317	2	1.38
32306	0	0.00



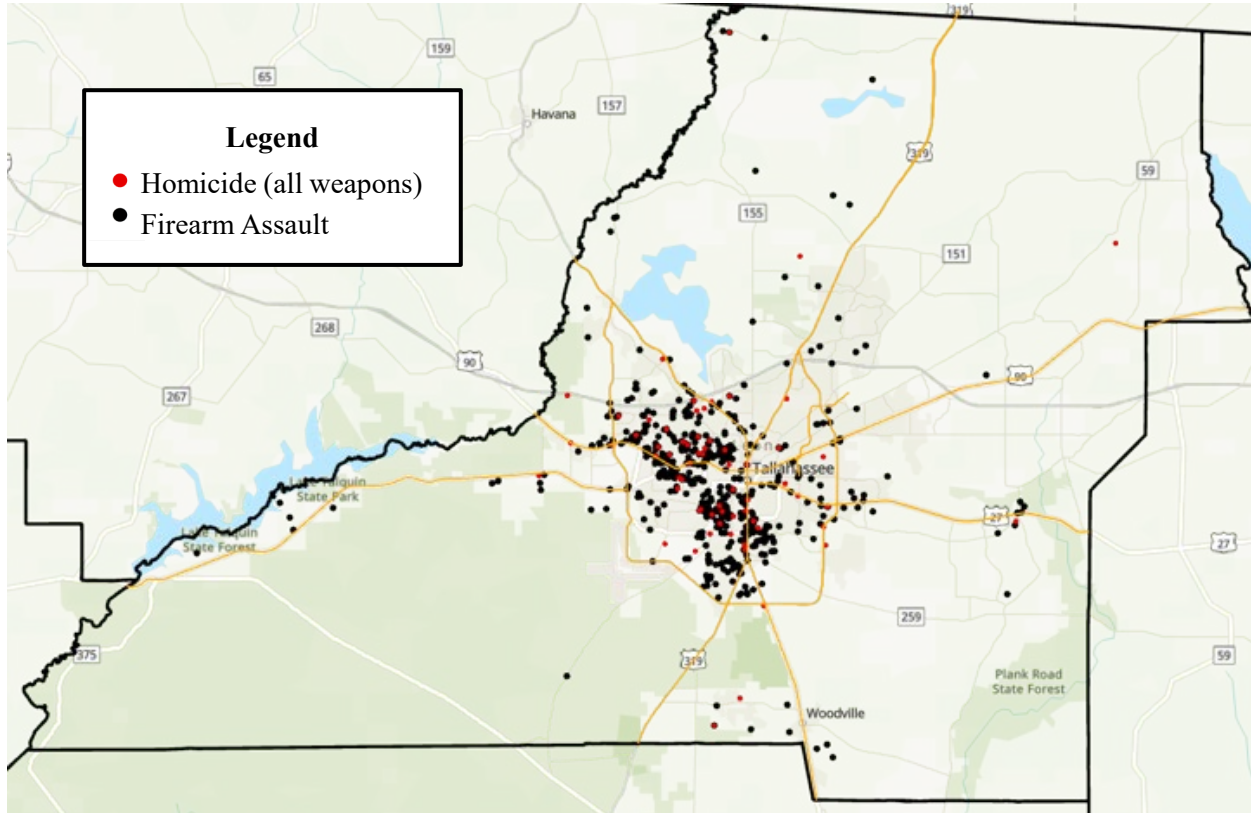
Shootings in Leon County by Neighborhood, 2019-2023

Neighborhood	Number of Incidents	Rate per 10,000
Providence	29	163.01
Bond	55	151.68
Southside	26	83.15
Frenchtown	76	74.81
Other	543	30.07

Note: Neighborhoods defined by City of Tallahassee Neighborhood Revitalization Strategy Area Plan, 2020-2024



Shootings in Leon County, 2019-2023

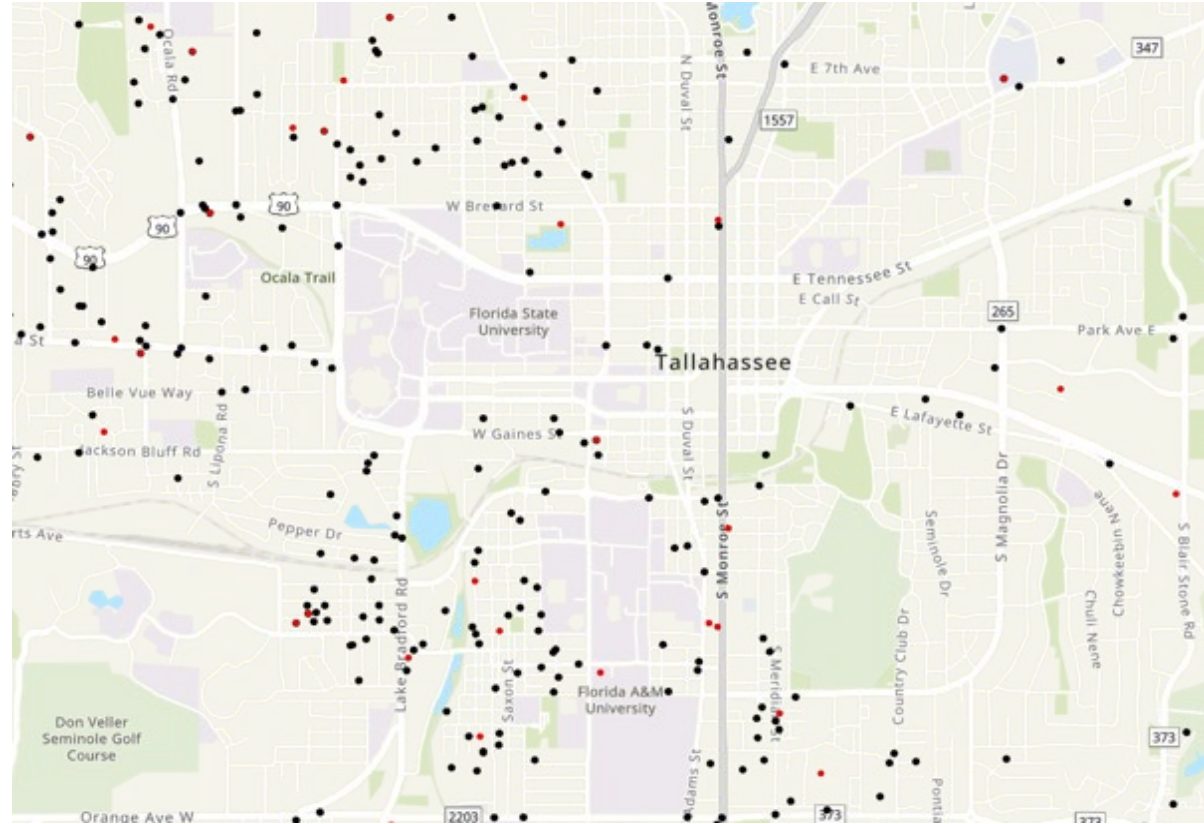




Shootings in Tallahassee, 2019-2023

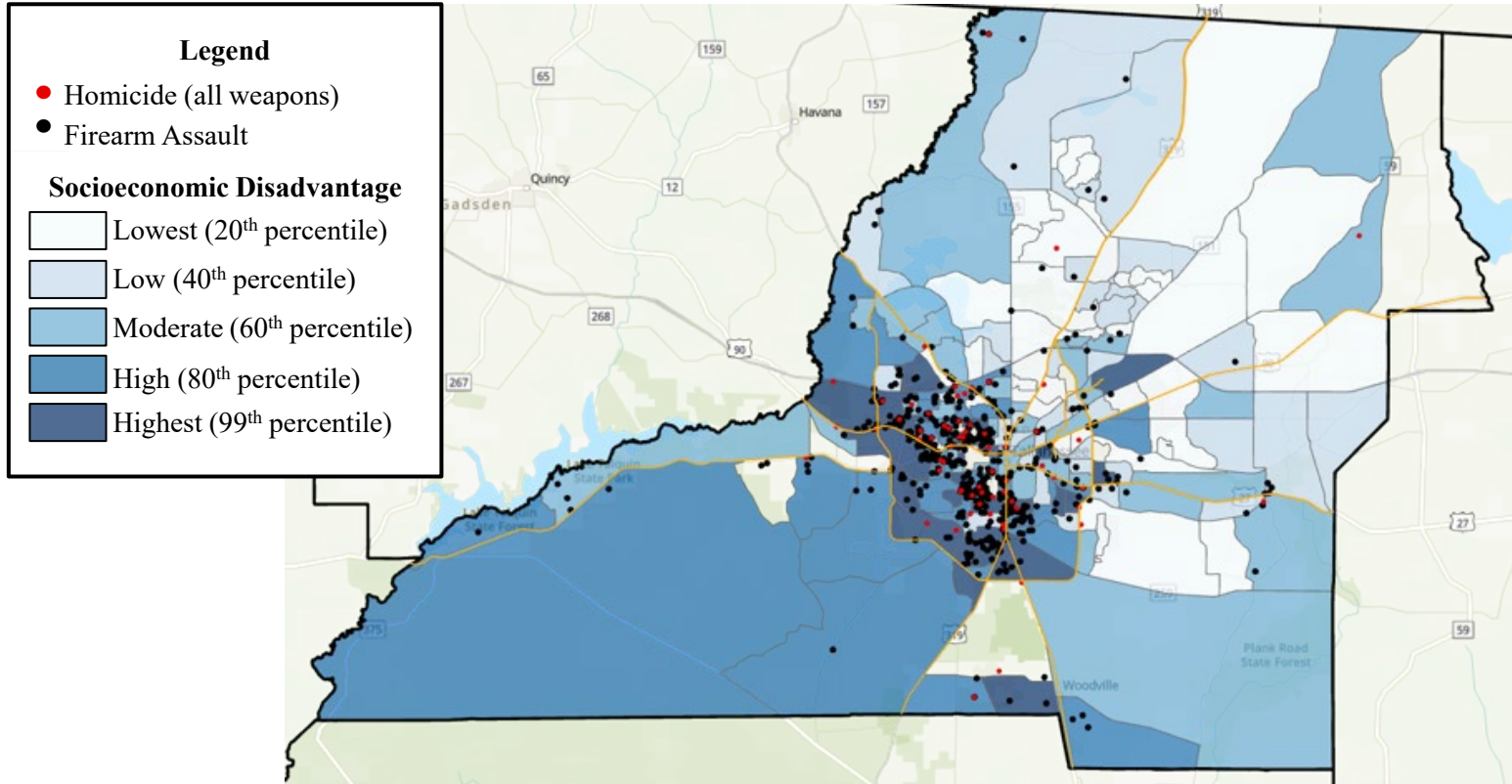
Legend

- Homicide (all weapons)
- Firearm Assault



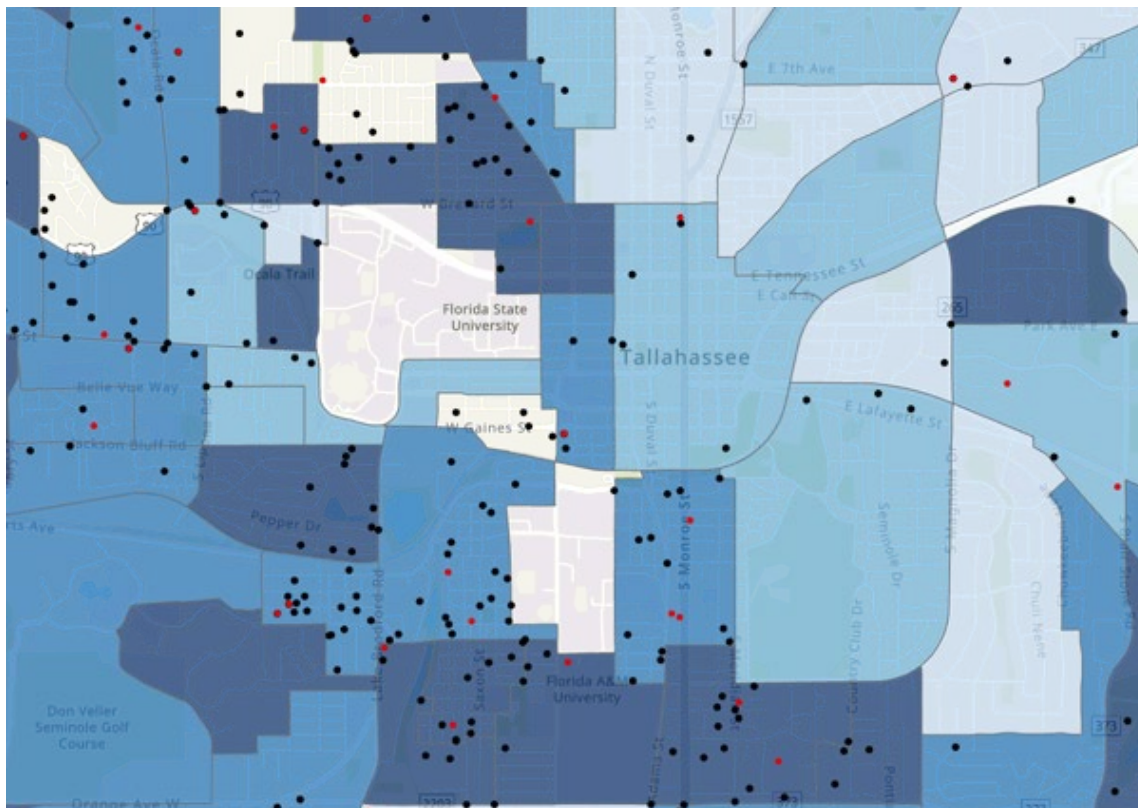
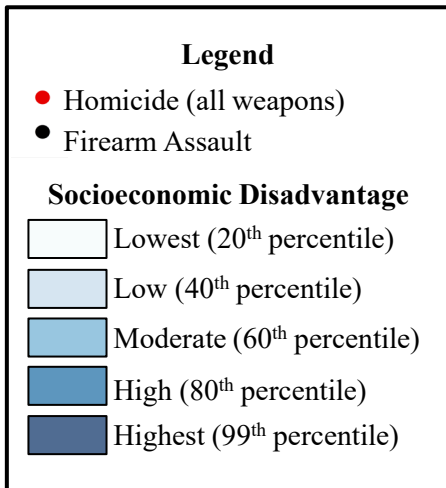


Shootings by Socioeconomic Disadvantage



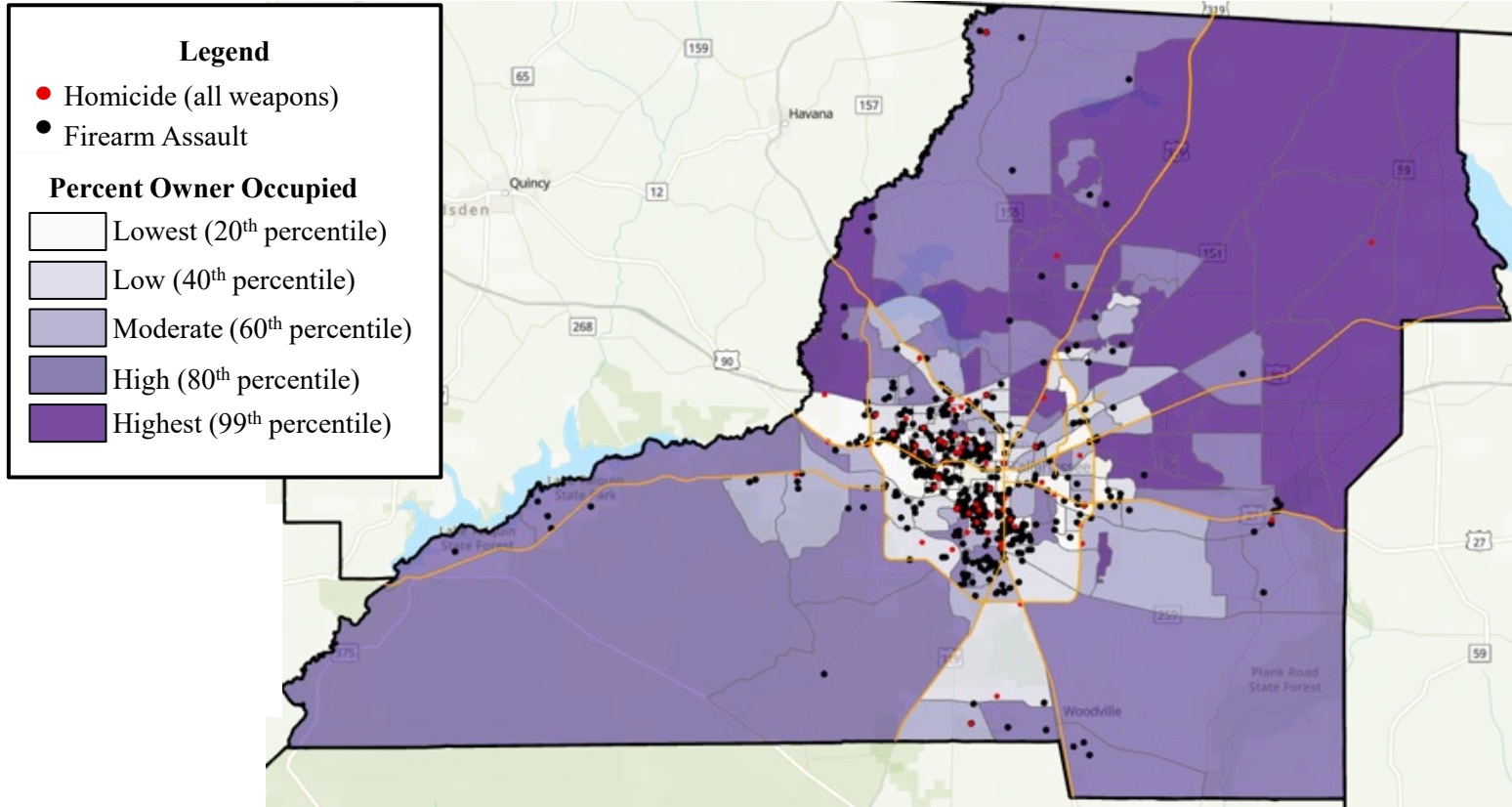


Shootings by Socioeconomic Disadvantage



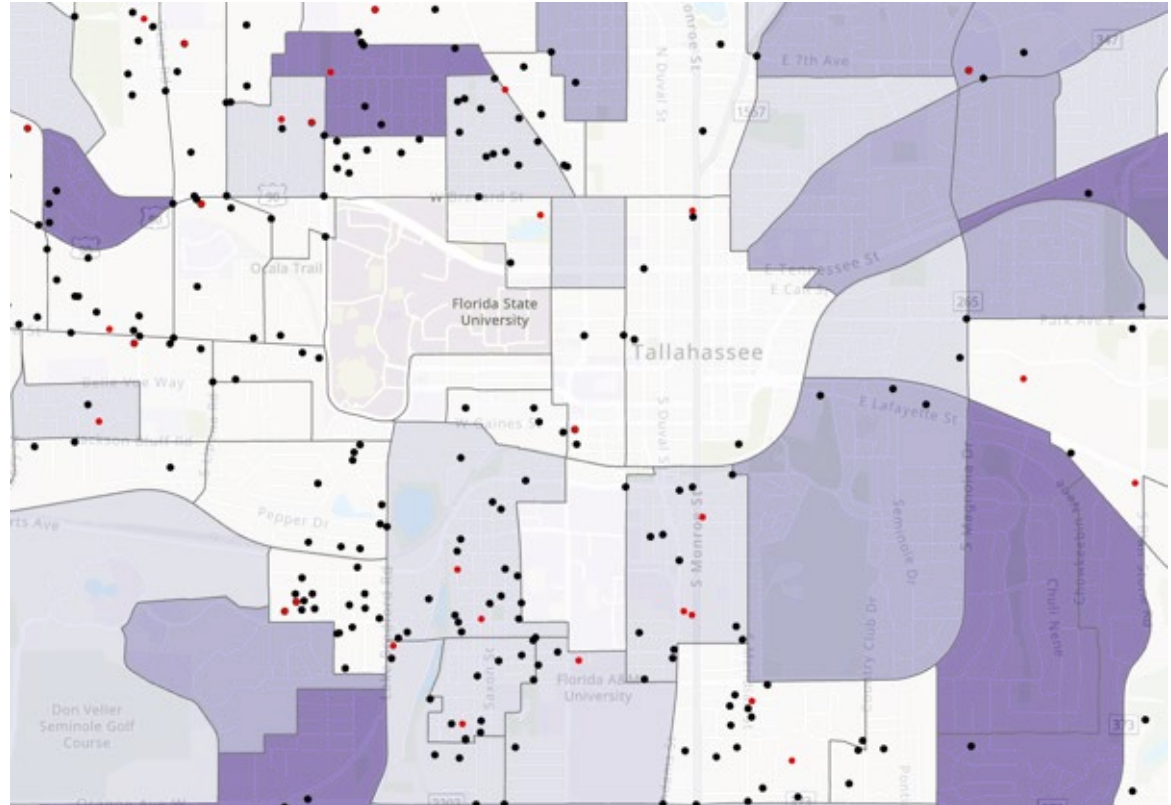
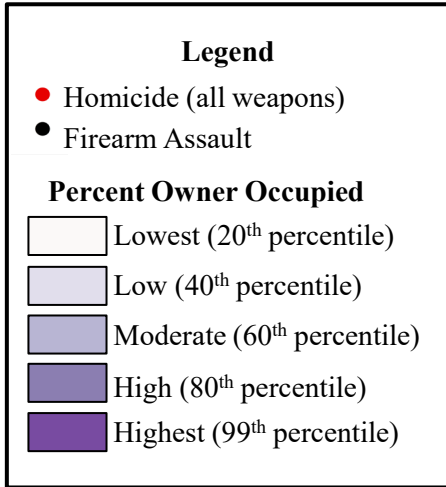


Shootings by Owner-Occupied Housing





Shootings by Owner-Occupied Housing





Negative Binomial Regression on Shootings in 191 Block Groups in Leon County, 2019-2023

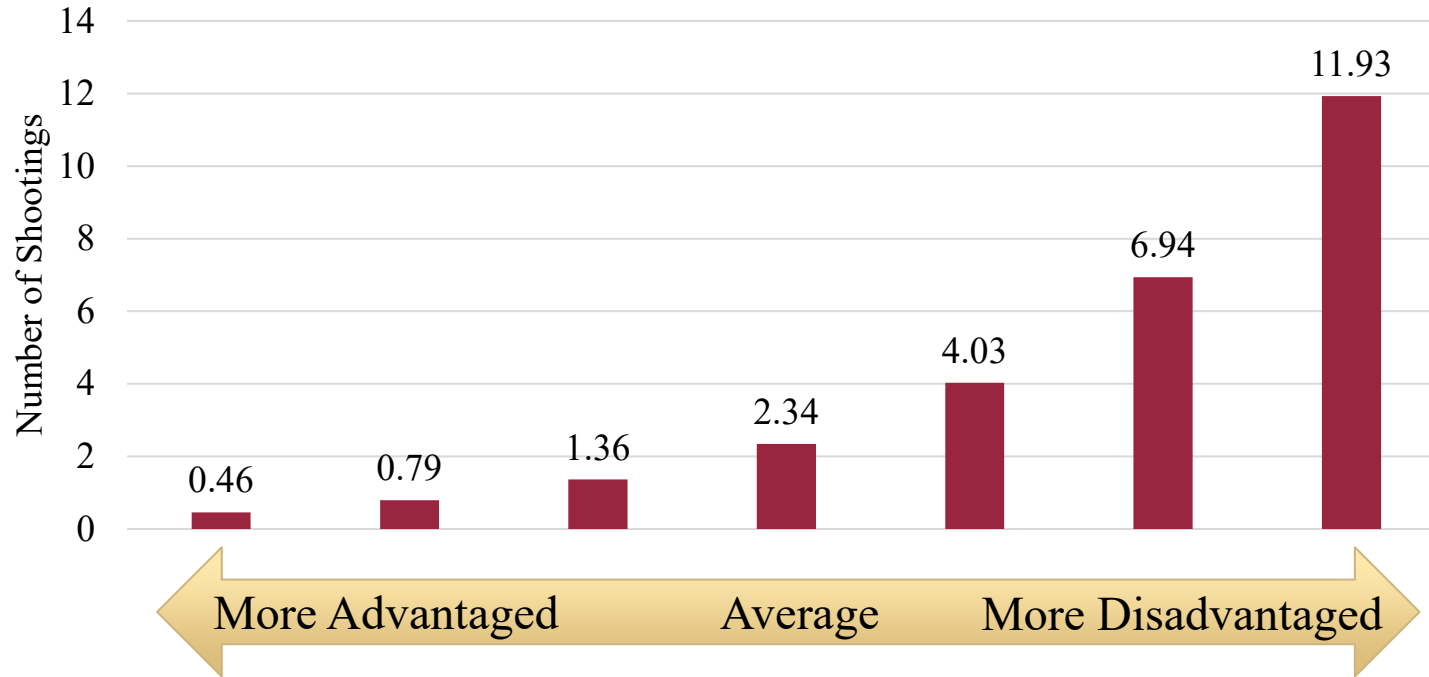
Standardized Predictor	IRR	95% CI
Concentrated disadvantage	1.721***	[1.413-2.095]
Racial/ethnic heterogeneity	0.773**	[0.651-0.919]
Residential stability	0.521***	[0.404-0.671]
Percent divorced	1.243*	[1.022-1.511]
Percent male	0.956	[0.805-1.136]
Percent aged 18 to 24	1.187	[0.908-1.552]

Note: IRR = incidence rate ratio; CI = confidence interval

* p < 0.05 ** p < 0.01 *** p < 0.001



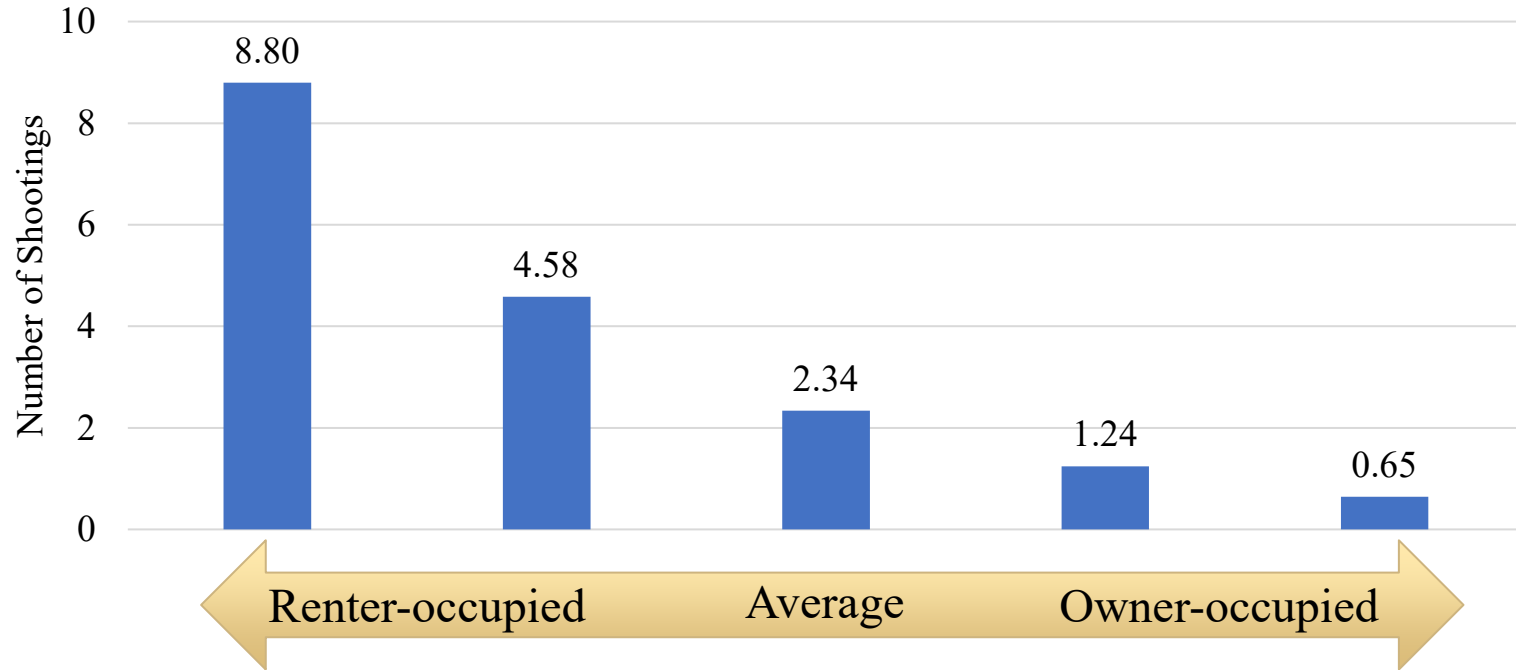
Predicted Number of Shootings by Block Group Disadvantage



Note: Concentrated disadvantaged measured from -3 to 3 standard deviations. Estimates based on a four-year period.



Predicted Number of Shootings by Owner-Occupied Housing



Note: Owner-occupied housing measured from -2 to 2 standard deviations. Estimates based on a four-year period.

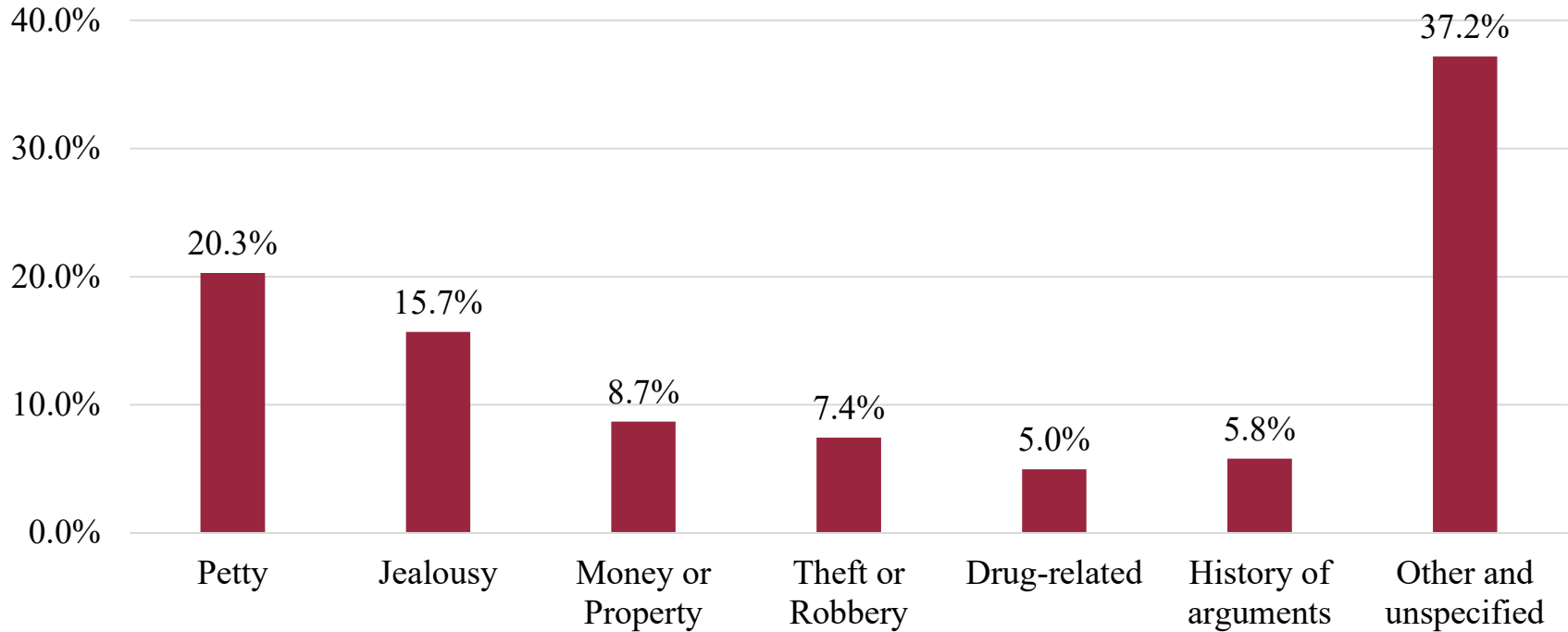


Incident Characteristics

- Suspect(s) identified: 42.6%
- Case officially cleared: 32.2%
- Victim possessed weapon: 9.8%
- Fired directly at person: 48.7%
- Drug trade/usage: 13.5%
- Gang related: 6.3%
- Domestic violence: 10.5%
- Argument: 33.0%



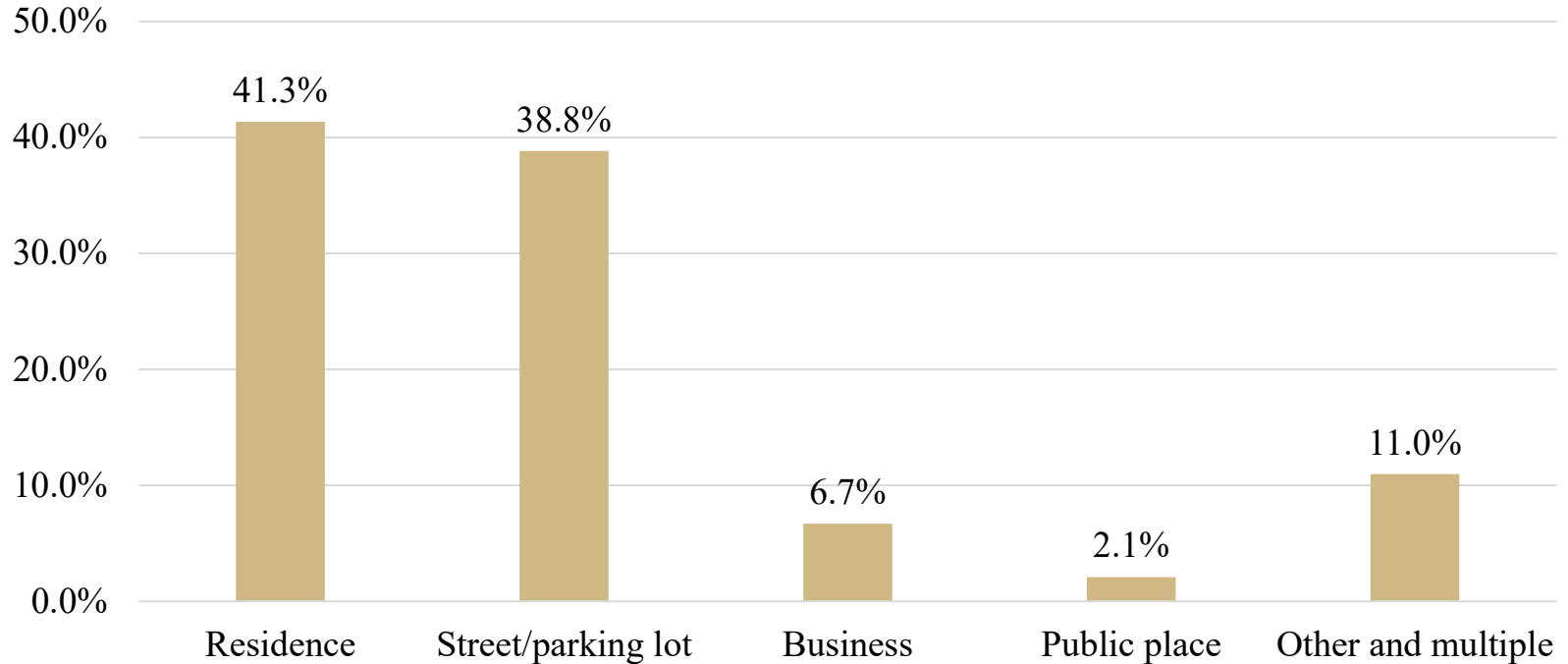
Argument Type



Note: Percentages calculated based on 242 incidents with confirmed arguments.



Location Type



Note: Percentages calculated based on 721 incidents with known location



Victim Characteristics (N = 1,255)

- Average age: 28.9 years
 - 12.9% under 18
- Race/Ethnicity
 - 13.1% White
 - 82.1% Black
 - 4.8% Other
- Gender
 - 59.7% male
 - 40.3% female
- Injury (Assault only)
 - 43.3% nonfatal
 - 56.7% none
- Cooperation (Assault only)
 - 79.5% cooperative
 - 18.4% uncooperative
- 3.4% experienced multiple victimizations during the study period

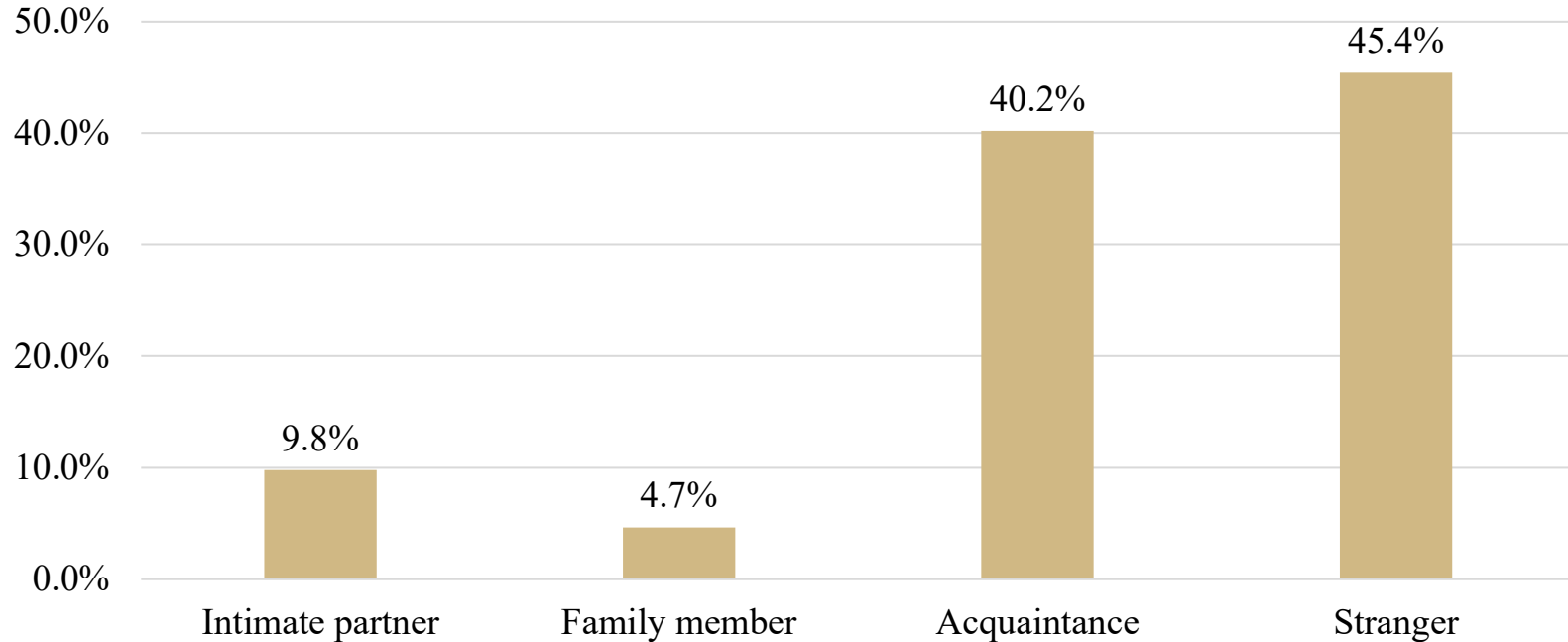


Suspect Characteristics (N = 414)

- Average age: 27.3 years
 - 11.8% under 18
- Race/Ethnicity
 - 13.3% White
 - 83.8% Black
 - 2.9% Other
- Gender
 - 87.4% male
 - 12.6% female
- 28.0% confirmed or suspected gang members
- 17.3% acted as accomplices
- 3.1% also experienced victimization during the study period



Victim-Offender Relationship



Note: Percentages calculated at the individual level based on 713 known relationships in 342 incidents.



Summary

- There were 733 shootings and homicides in Leon County from June 2019 to June 2023, involving 1,255 victims and 414 identified suspects
- Incidents clustered in neighborhoods characterized by high levels of socioeconomic disadvantage and residential turnover
- Most incidents
 - Involved young Black men as both victims and suspects
 - Involved acquaintances and strangers
 - Occurred in the street or private residences
 - Were not directly related to drugs and gangs



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Thank you!

Questions?