



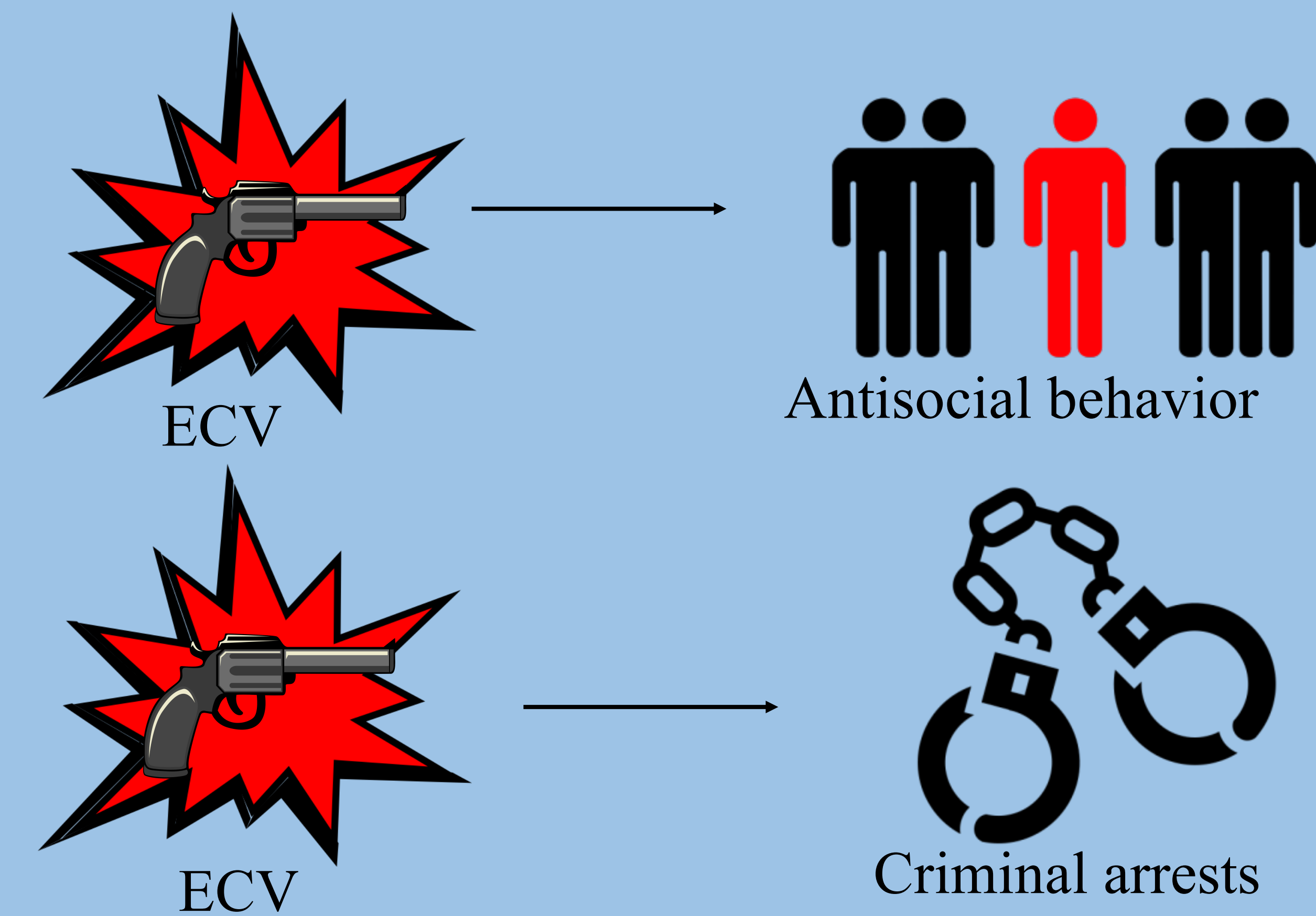
Relationship between Early Exposure to Violence and Later Antisocial and Criminal Behavior

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INTRODUCTION

- 50 to 96% of urban youth have exposure to community violence (ECV).¹
- ECV is correlated with increased externalizing behavior and a moderate increase in internalizing behaviors.¹

The current project had 2 goals:



METHOD

- Correlational study
 - Subjects: AddHealth dataset²
 - Data pulled: ECV, race, antisocial behavior, age, sex, income, criminal arrests, physical assault, intimate partner violence
- Design: ordinary least squares regression analysis; same-sex sibling fixed-effect model

Exposure to gun or knife violence over 15 years is associated with:

- Increased antisocial behavior in young adulthood.
- Increased likelihood of holding an arrest record in an unadjusted model.

References

1. Fowler, P. J., Tompsett, C. J., Braciszewski, J. M., Jacques-Tiura, A. J., & Baltes, B. B. (2009)
2. Harris, K.M., C.T. Halpern, E.A. Whitsel, J.M. Hussey, L. Killeya-Jones, J. Tabor, and S.C. Dean. (2019)

RESULTS

Fixed Effects Regression Estimating Within-Families Effect of Exposure to Gun or Knife Violence on Antisocial Behavior in Young Adulthood

	Unadjusted (95% C.I.)	Adjusted (95% C.I.)
Exposure to gun/knife violence	0.07 (.03 to .11)**	.04 (-.00 to .09)*
Age		-.03 (-.06 to .00)
Baseline antisocial behavior (Wave 1)		.02 (-.00 to .04)
IPV		.03 (-.00 to .05)*
Physical Assault		.15 (.05 to .25)*

***p < .001; ** p < .01; * p < .05; IPV= Intimate Partner Violence

- When adjusting for covariates, ECV was associated with increased antisocial behavior in only the Black and White subgroups.

Effects of Exposure to Gun/Knife Violence on Likelihood of Holding an Arrest Record in Young Adulthood, Weighted to Population

	Criminal Arrests (Wave 2-4)	
	Unadjusted (95% C.I.)	Adjusted (95% C.I.)
Gun/knife violence	1.14 (1.07 to 1.22)***	1.00 (.90 to 1.11)
Female		.56 (.48 to .67)***
Baseline antisocial behavior (Wave 1)		1.06 (1.02 to 1.10)***
Age		.84 (.80 to .90)***
IPV (Wave 2-4)		1.11 (1.06 to 1.16)***
Physical Assault (Wave 1-4)		1.00 (.84 to 1.20)
Income (logged)		1.51 (.65 to 3.52)

***p < .001; ** p < .01; * p < .05; IPV= Intimate Partner Violence

DISCUSSION

- The relationship between ECV and antisocial behavior was strengthened with a sibling fixed-effect analysis.
- Stringent criminal arrest analysis limited robustness of results.
- The most effective interventions will target younger youth with high ECV and high baseline antisocial behavior.