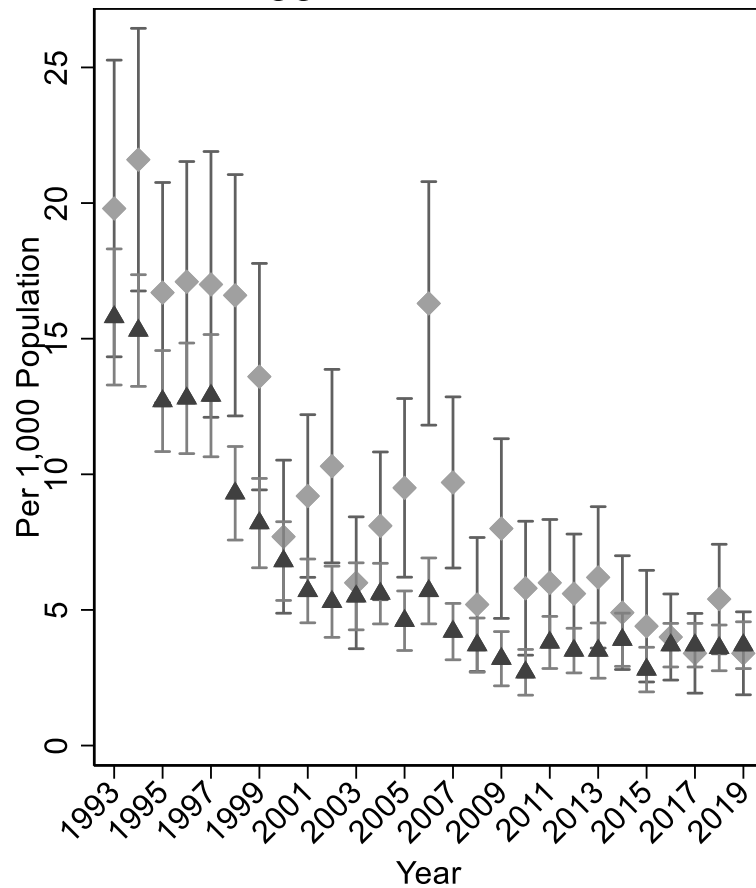


CHANGING PLACES: RENOVATING AND REBUILDING INFRASTRUCTURE TO REDUCE RACIAL DISPARITIES IN VICTIMIZATIONS AND ARRESTS



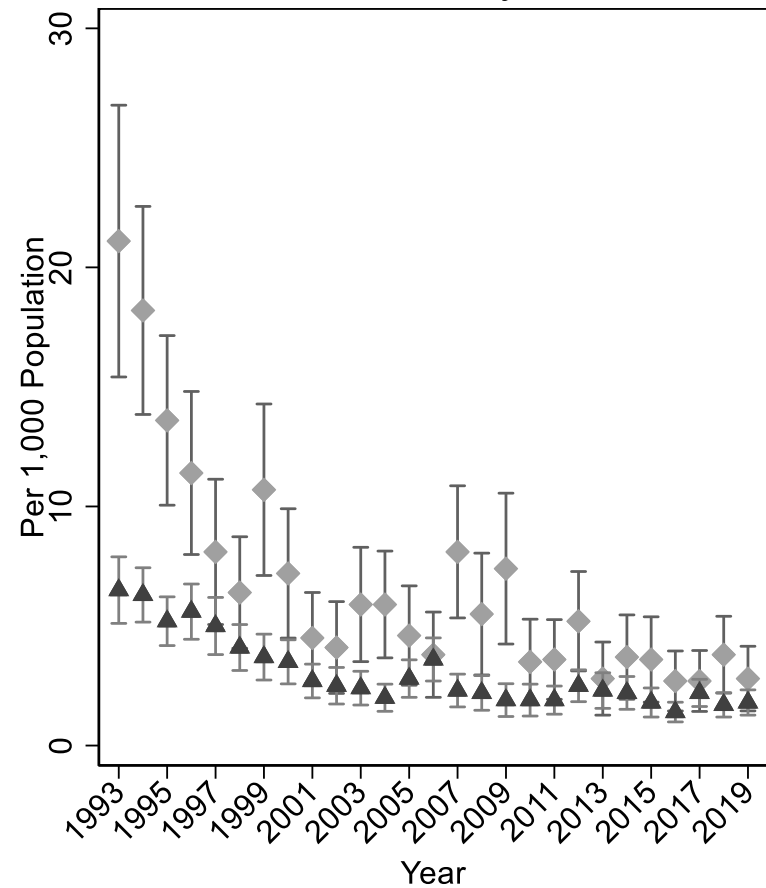
NCVS Aggravated Assault Rates



Black CI Black Agg Assault
White CI White Agg Assault

NCVS Victimization Analysis Tool at www.bjs.gov. 23-Jan-21

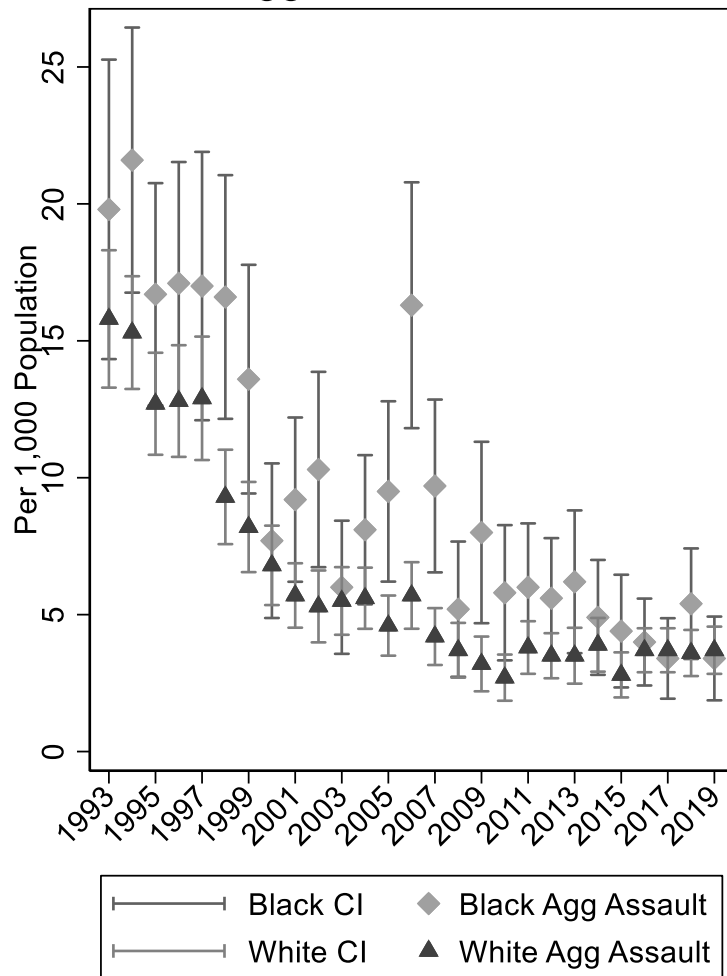
NCVS Robbery Rates



Black CI Black Robbery
White CI White Robbery

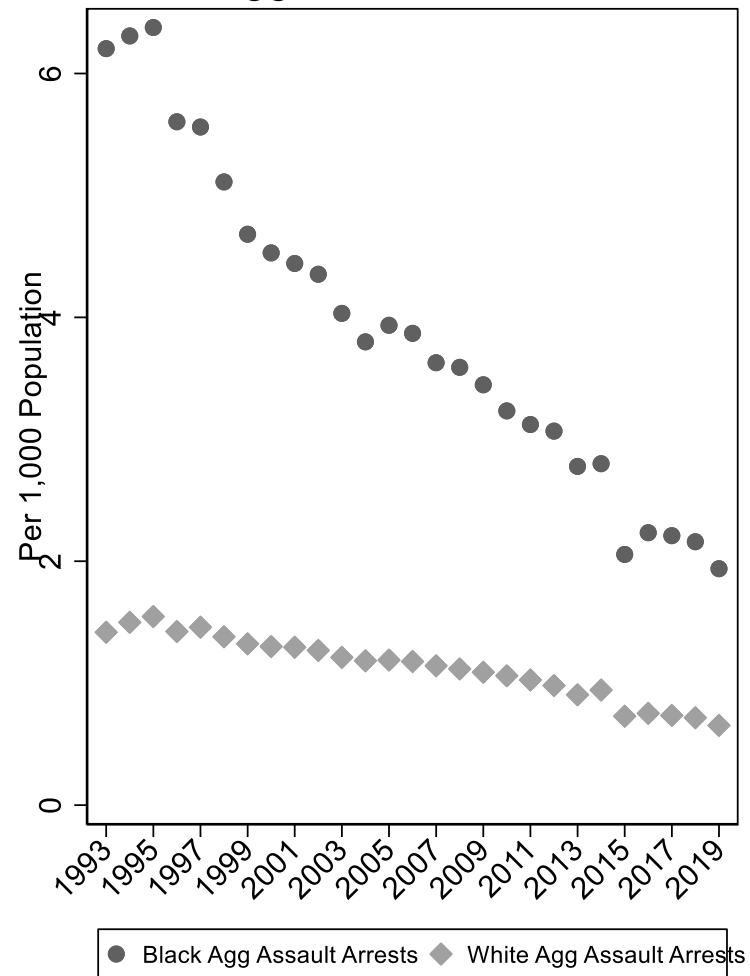
NCVS Victimization Analysis Tool at www.bjs.gov. 23-Jan-21

NCVS Aggravated Assault Rates



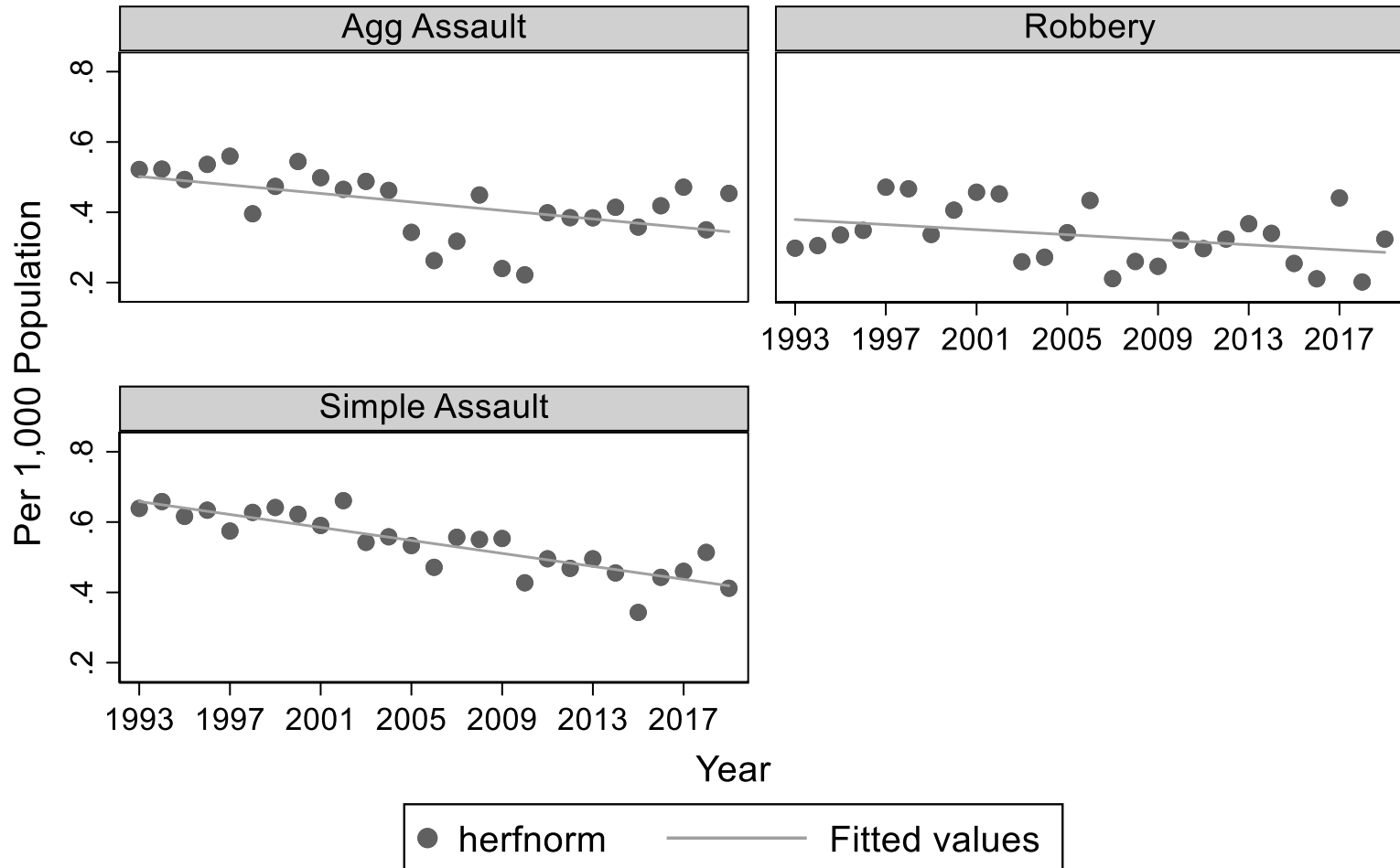
NCVS Victimization Analysis Tool at www.bjs.gov. 23-Jan-21

UCR Aggravated Assault Rates



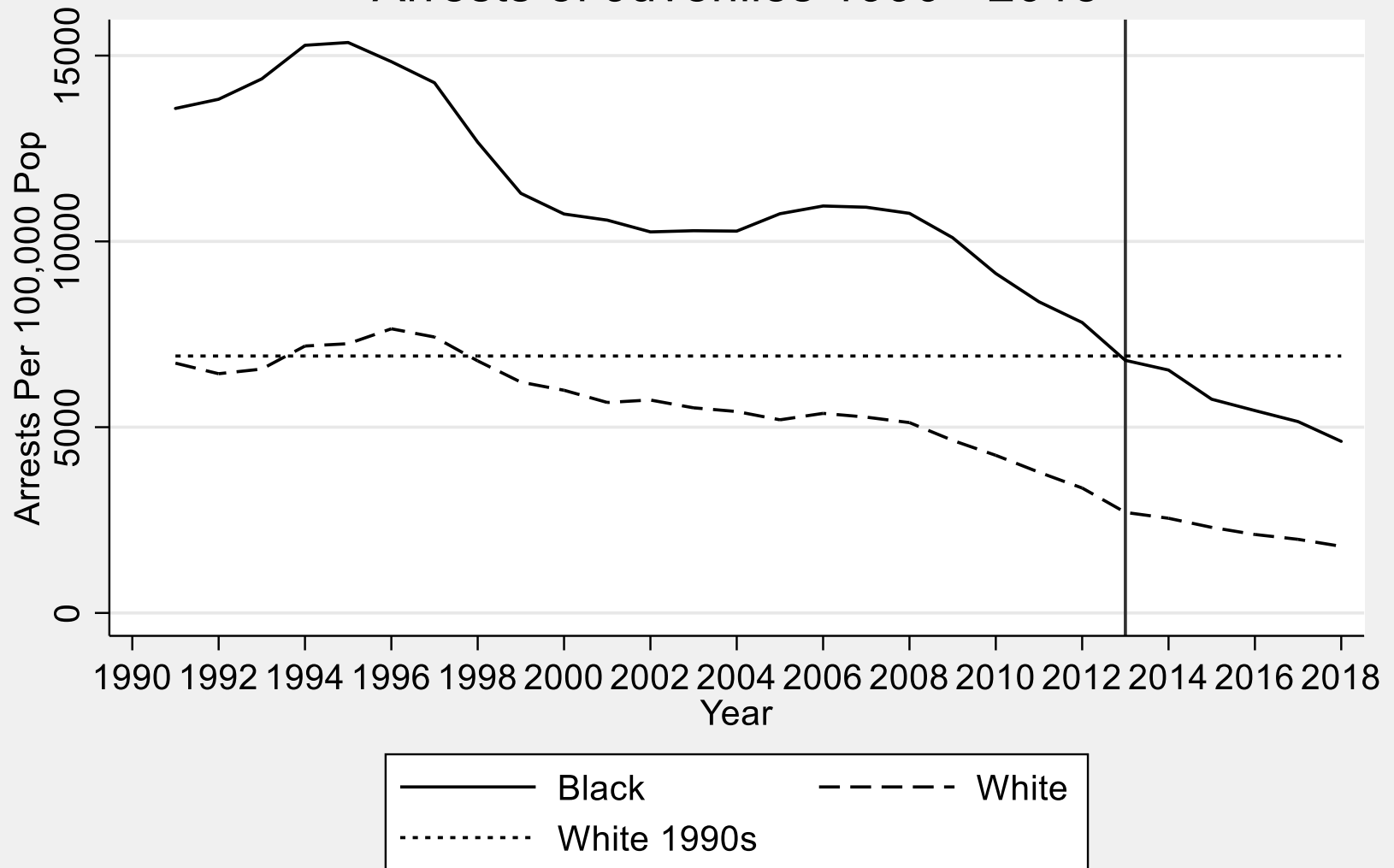
UCR Arrest Data

Herfindahl Index of Racial Inequality



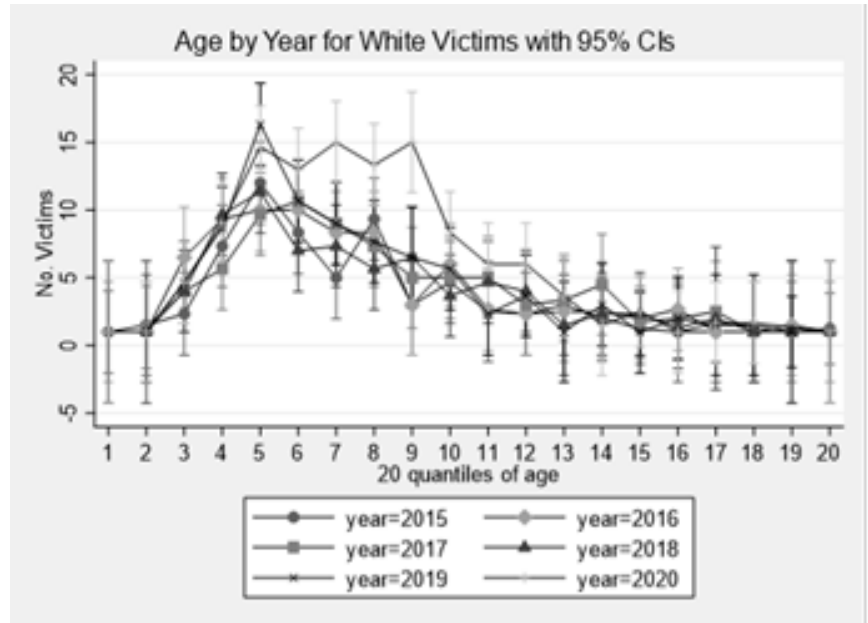
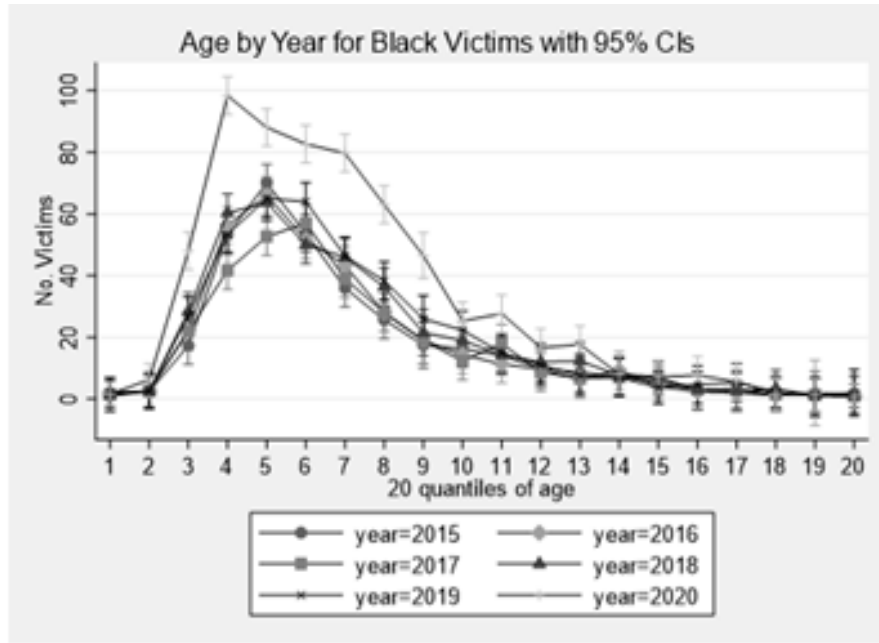
Source: NCVS Victimization Analysis Tool (NVAT)

Arrests of Juveniles 1990 - 2018

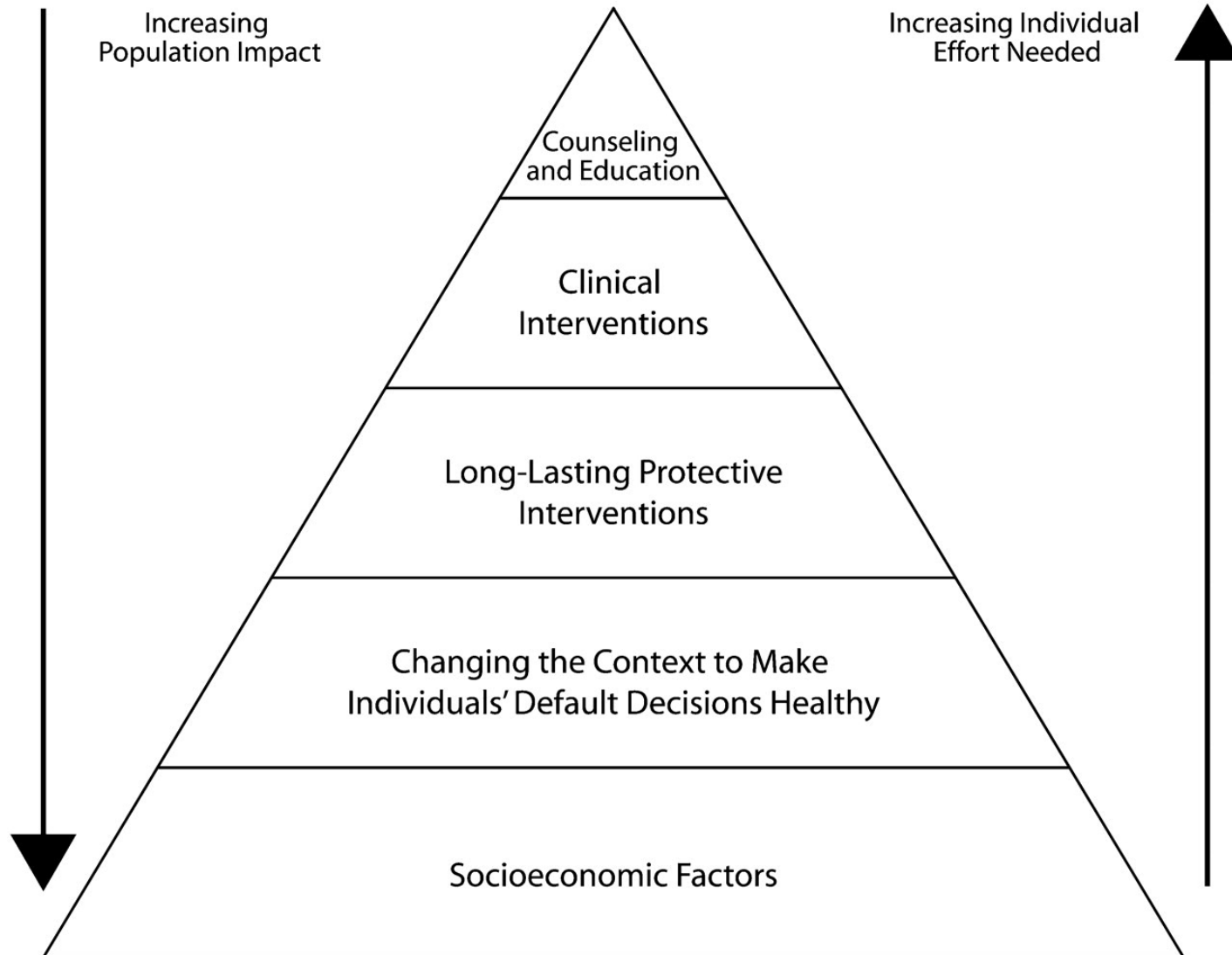


Note: Arrest estimates BJS

Philadelphia Shooting Victims by Age, Race, and Year



**CHANGING PLACES AFFECTS
“MORE PEOPLE FOR LONGER PERIODS OF TIME”**



Thomas Frieden, AJPH 2010

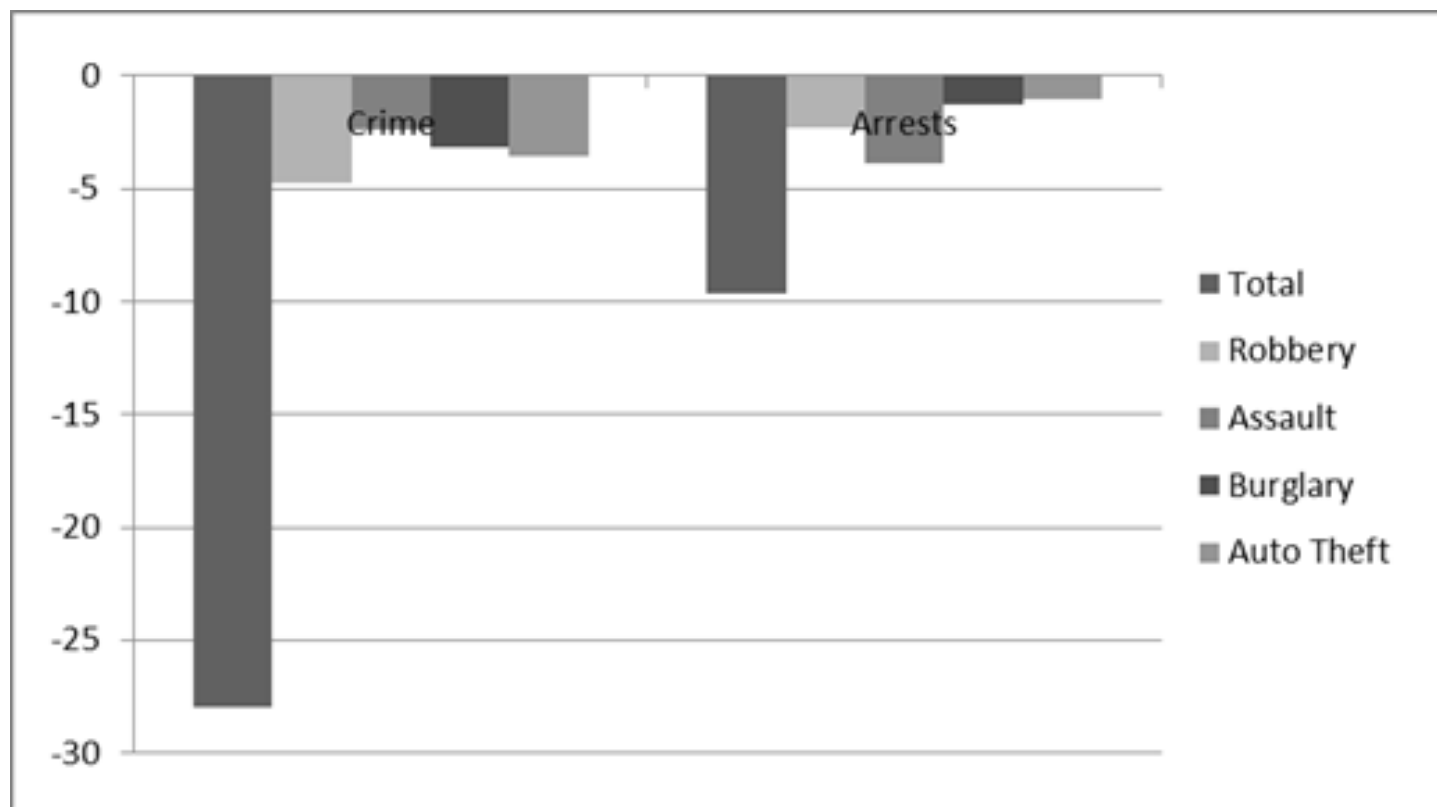
“In situ” – Structural – Scalable – Sustainable



Making Commercial Districts Safe: BIDs in Los Angeles



The Effect of BIDs on Crime and Arrests



11% decline in total crime; 18% for robbery; 32% decline in arrests

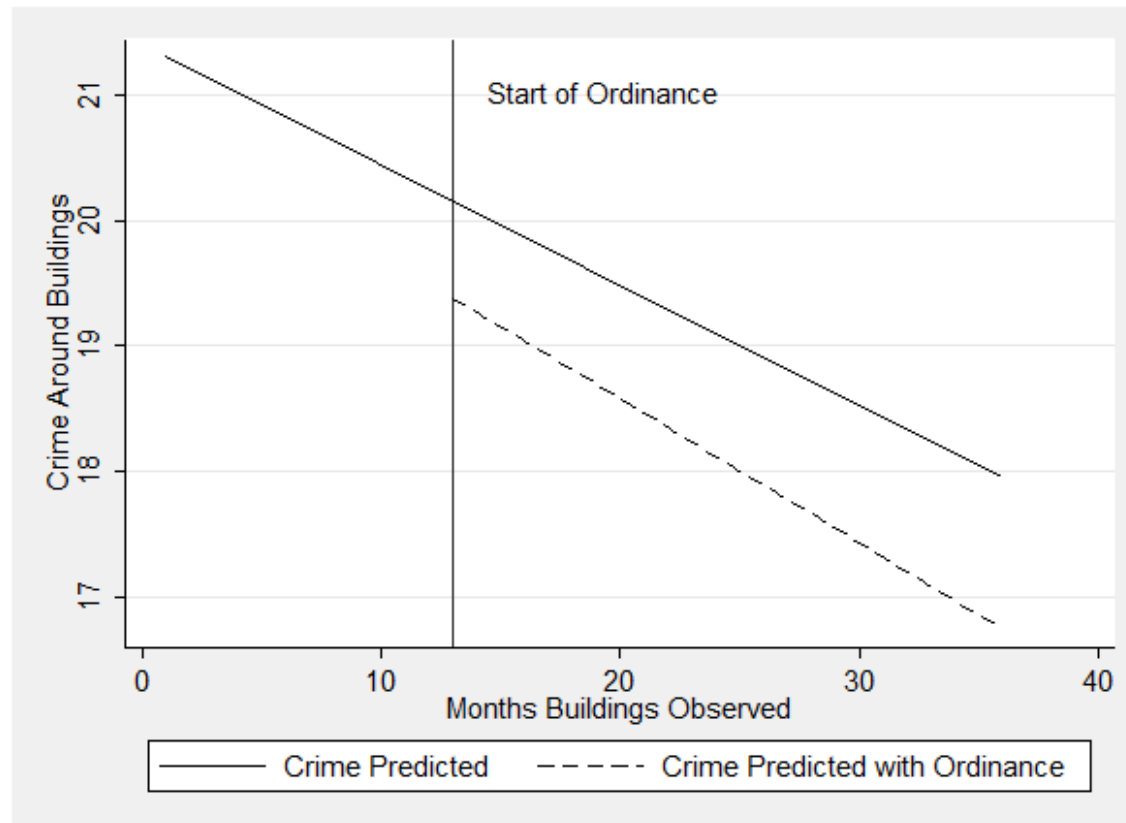
Cook, P. J., & MacDonald, J. (2011). Public safety through private action: an economic assessment of BIDS. *The Economic Journal*, 121(552), 445-462.

Before-After of Compliance with Ordinance



Significant reductions in crime

~20% fewer assaults, 39% fewer gun assaults, and 16% fewer nuisance crimes



No evidence of displacement of crime to nearby areas

Kondo, M. C., Keene, D., Hohl, B. C., MacDonald, J. M., & Branas, C. C. (2015). A difference-in-differences study of the effects of a new abandoned building remediation strategy on safety. *PloS one*, 10(7), e0129582.

Pennsylvania Horticultural Society (PHS) LandCare Program

Started as pilot project with a neighborhood association in 1996

Vacant lot treatments: remove trash and debris, grade the land, plant grass and trees to create a park-like setting, install low wooden post-and-rail fence

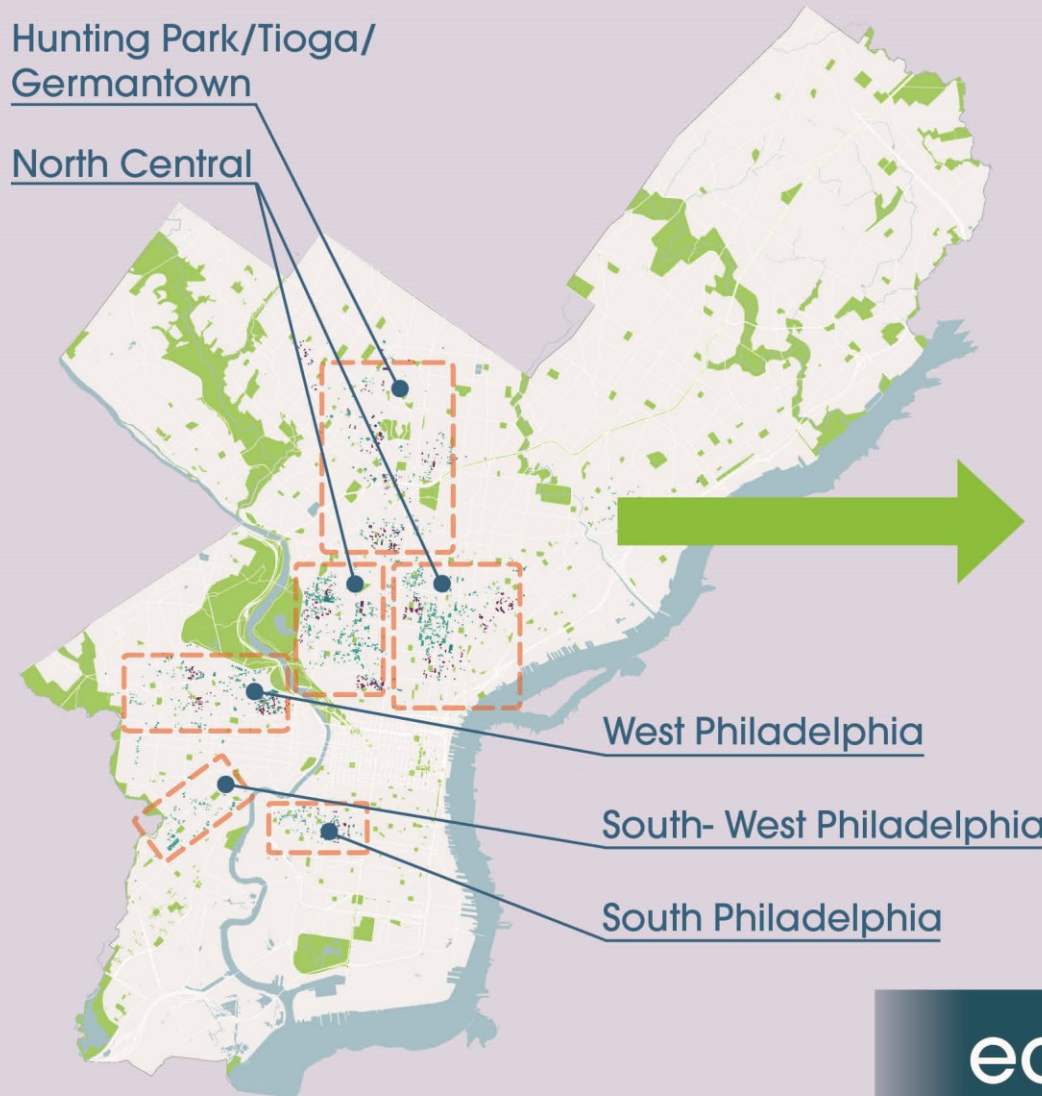
Clear, simple, change that reduces signs of disorder after lots are greened



<https://phsonline.org/programs/transforming-vacant-land/program-model-and-impact>



Philadelphia LandCare/ THE RESULTS



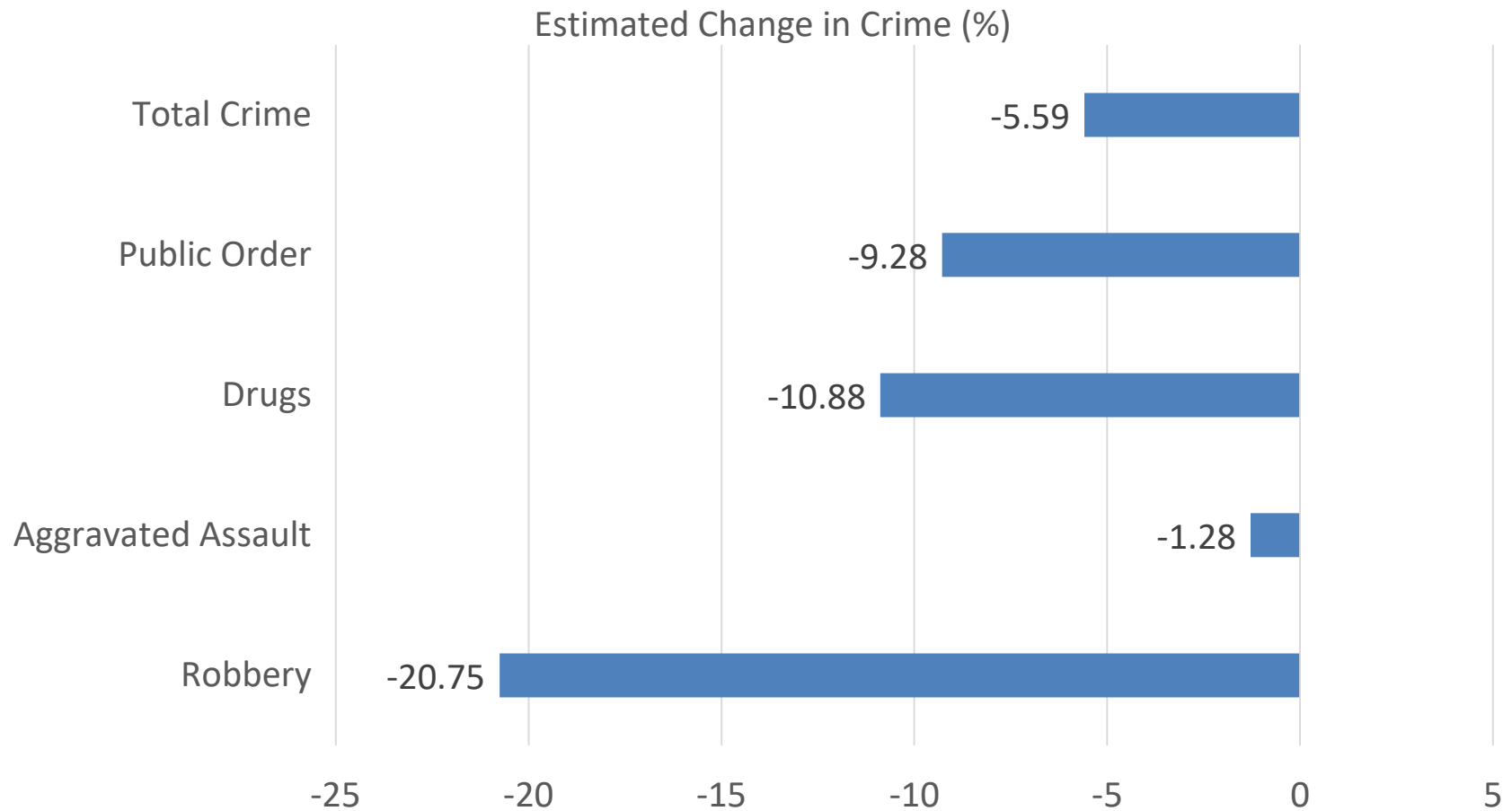
Interventions establish
focus areas with clusters
of “cleaned and greened”
vacant lots throughout
Philadelphia

economies of scale

PHS LandCare Program is now citywide

- **Expanded through partnerships with local contractors to the entire city, transforming more than 12,000 vacant lots and more than 18 million square feet of land**
- **~1/4 of vacant lots have been remediated and maintained**
- **Funds to support program are provided by local community groups, the city, and private philanthropy**
- **About \$5 per square meter (\$1,000-1,300), and then \$0.5 per square meter in annual maintenance (\$150 per year)**

LandCare (Greening) reduces crime for most measures



Macdonald, J., Nguyen, V., Jensen, S.T. *et al.* Reducing crime by remediating vacant lots: the moderating effect of nearby land uses. *J Exp Criminolgy* (2021). <https://doi.org/10.1007/s11292-020-09452-9>

Implications of remediating vacant lots and abandoned housing for gun violence

- \$1 in vacant lot remediation returns \$26 in net benefits to taxpayers and \$333 to society at large
- \$1 in vacant housing remediation returns \$5 in net benefits to taxpayers and \$79 to society at large
- Suggests sizable reductions in gun crimes could be achieved through citywide efforts
- Now part of city's violence prevention plan

Branas, C. C., Kondo, M. C., Murphy, S. M., South, E. C., Polsky, D., & MacDonald, J. M. (2016). Urban blight remediation as a cost-beneficial solution to firearm violence. *American Journal of Public health*, 106(12), 2158-2164.