

ALTERNATIVE APPROACHES TO POLICING: COMMUNITY VIOLENCE INTERVENTION'S IMPACT ON CRIME

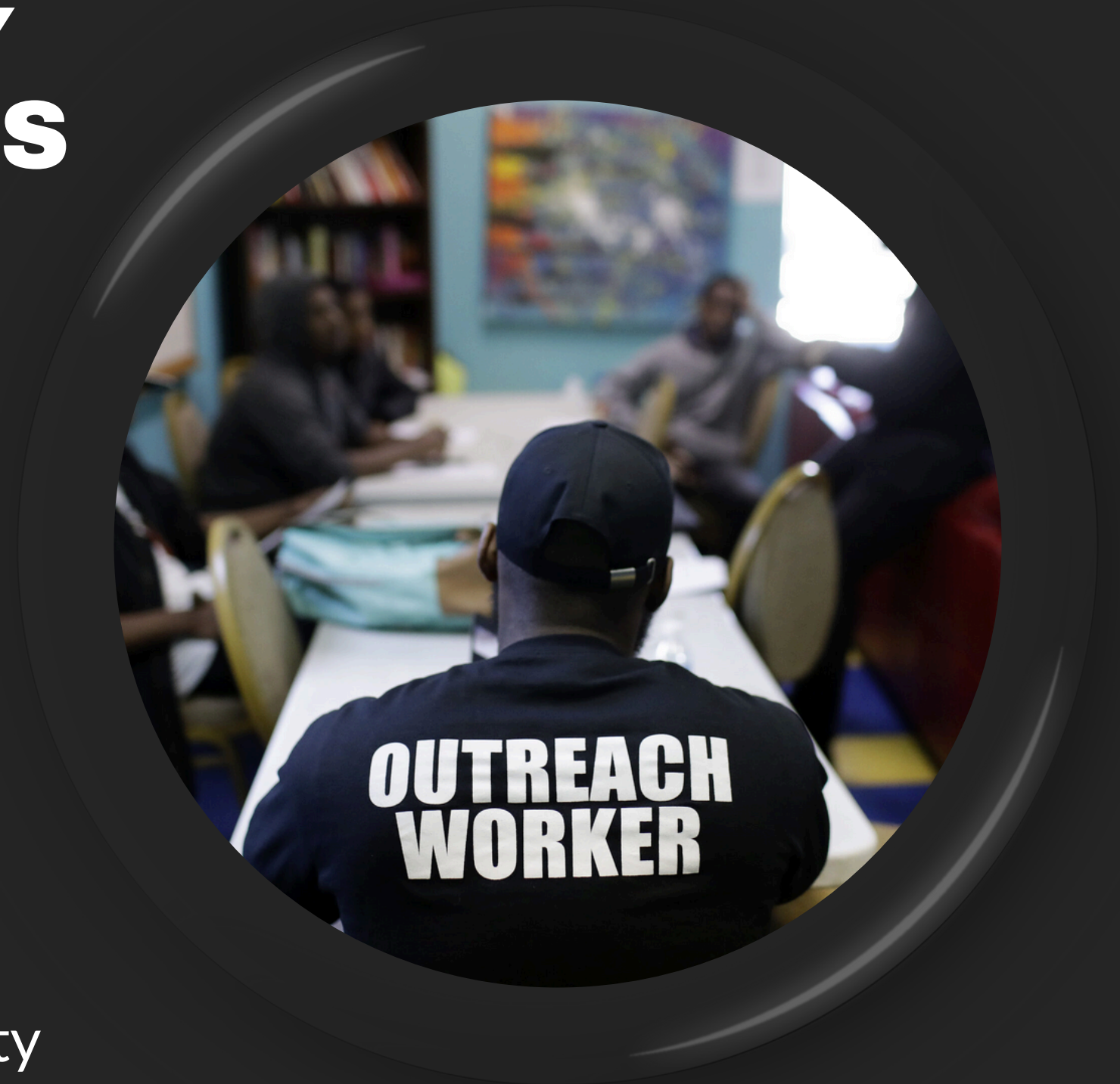
Does increased funding for community violence
intervention programs decrease crime rates?

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Community Violence Intervention



- Community violence intervention is a localized, community approach to safety issues
- These programs are commonly funded by the Department of Justice
- Funds are solicited by towns, nonprofits, and tribal nations.
- FY 2024 saw \$270 million in grants
- Providing resources over increasing arrests

Significance

Racial
Disparities in
Violence

American
Gun Violence
Epidemic

Public
Distrust
in Police

Healthier
Additions to
Public Safety.

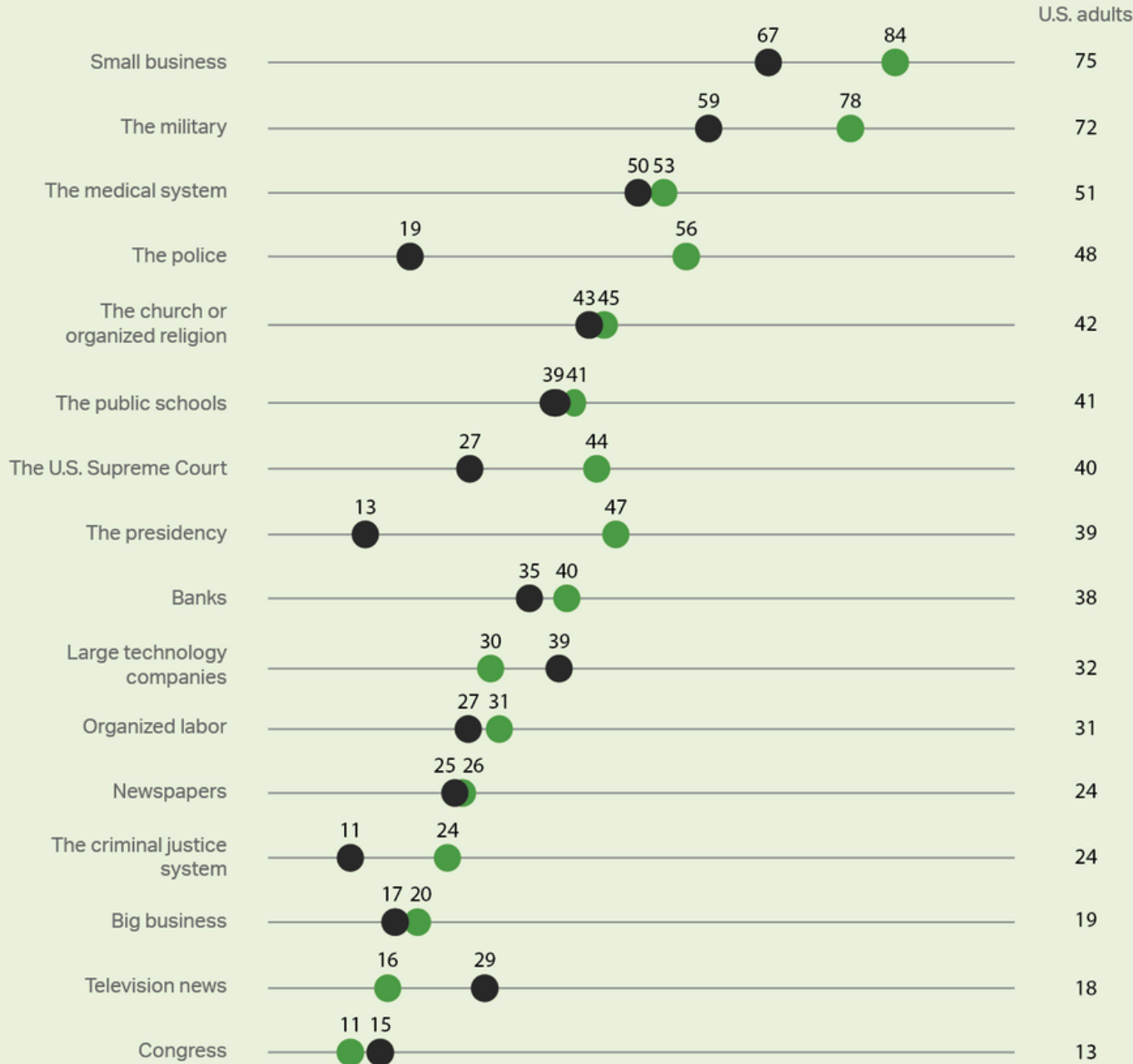
Cost
Effectiveness

Efficacy in The
Face of Trump's
Cuts

Confidence in U.S. Institutions, by Racial Group

% A great deal/Quite a lot of confidence

● White adults ● Black adults



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Methodology

☑ Synthetic DiD

$$\hat{\tau}_t = \underbrace{\Lambda^\top, Y_T^t}_{\text{treated outcome}} - \underbrace{\Lambda^\top, Y_D^t, W}_{\text{synthetic control}} \quad \text{for each post-treatment year } t.$$

Where:

- Y_T^t : $J \times 1$ vector of treated cities' crime rates in post-treatment year t .
- Y_D^t : $M \times 1$ vector of donor cities' crime rates in post-treatment year t .
- $\hat{\tau}_t$: Estimated average treatment effect on the treated (ATT) in year t .
- $\Lambda^T = (\lambda_1, \dots, \lambda_K)$: Vector of *time weights* on pre-period years, $\lambda_t \geq 0$, $\sum_t \lambda_t = 1$.



Data

☒ Data

- 5-Year Census American Community Survey City-Level Economic Data
- Federal Bureau of Investigation Crime Data
- Department of Justice Community Violence Grants

Questions?

Thank you!



References

- Geller, Amanda, Jeffrey Fagan, Tom Tyler, and Bruce G. Link. 2014. “Aggressive Policing and the Mental Health of Young Urban Men. *American Journal of Public Health* 104: 2321–27
- Jones, Jeffrey M. 2020. “Black, White Adults’ Confidence Diverges Most on Police.” Gallup, August 12. <https://news.gallup.com/poll/317114/black-white-adults-confidence-diverges-police.aspx>.
- O’Flaherty, B., & Sethi, R. (2010). Homicide in black and white. *Journal of Urban Economics*, 68(3), 215–230. <https://doi.org/10.1016/j.jue.2010.06.001>
- Juillard, Catherine MD, MPH; Smith, Randi MD, MPH; Anaya, Nancy MD, MS; Garcia, Arturo MD; Kahn, James G. MD, MPH; Dicker, Rochelle A. MD. Saving lives and saving money: Hospital-based violence intervention is cost-effective. *Journal of Trauma and Acute Care Surgery* 78(2):p 252-258, February 2015. | DOI: 10.1097/TA.00000000000000527

