

## Amelia Hoover Green, Ph.D.

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### EXPERIENCE

2025-present **CMS Fellow (Social Scientist)**, Centers for Medicare and Medicaid Services (primarily remote).

- Estimate and visualize impacts of policy changes on Medicaid and Marketplace populations.
- Design research to identify populations at greatest risk of churn in Medicaid-Marketplace transition.

2009-present **Statistical Consultant**. Selected partners:

- 2024: Meta. Full-time remote contract (9 months). Designed and fielded user sentiment and want-rate surveys with complex stratification schemes; modeled variation in product, feed, and distribution metrics.
- 2023–24: [Jews of Color Initiative](#). Estimated and projected JoC population to 2050 using publicly available data. Design-based survey data analysis, multilevel regression with poststratification, Bayesian forecasting.
- 2020: [Pew Charitable Trusts](#). Analyzed > 50 million data points to support [report](#) on Philadelphia businesses.
- 2016–21: [Children's Community School](#) of West Philadelphia. Fielded and analyzed semi-annual demographic survey; created maps of West Philadelphia demographics, transit, and early education (R/RStudio).
- 2007–15: [Human Rights Data Analysis Group](#). Multiple contracts. Supported international justice processes in El Salvador, Kosovo, and Liberia with statistical analysis, grant writing, and public-facing/explanatory writing. Statistical programming via R, GNU Make, Python; report writing with LaTeX, Sweave, Markdown.
- 2011: [UN Action Against Sexual Violence in Conflict](#). Created searchable literature reviews and conducted staff training regarding responsible use of quantitative data on sexual violence.

2022-2023 **Staff Data Scientist**, Code for America, San Francisco, CA (remote).

- Data Science point of contact for 4 Agile product teams within Safety Net Innovation Lab. Built and maintained internal and external relationships with product teams, strategic leaders, and state partners.
- Designed and executed impact estimation studies to inform product scope and strategy. [IL childcare assistance](#) estimates directly shaped product, resulting in ~20k additional children served over 5 years.
- Co-created CFA's first-ever Impact Attribution Framework, including quantitative indicators, evaluation planning, training materials, and monitoring tools. Presented to major funders and executive leadership.
- Co-directed cross-portfolio research program on benefits packages among children of incarcerated parents.

2012-2022 **Full-Time Faculty** (tenured 2019), Drexel University Department of Politics, Philadelphia, PA.

- **Assistant Professor**, 2012-2019; unanimously awarded tenure and promoted to **Associate Professor**, 2019.
- Authored 30+ peer reviewed articles and books, [cited over 250 times](#), across several fields.
- Managed projects end-to-end, including funding, ethical review, data collection, analysis, and publication.
- Created and taught undergraduate quantitative methods curriculum including R; wrote and shared methodological and substantive [teaching tools](#) included in over 100 syllabi.
- **Associate Dean for Diversity, Equity, and Inclusion** (~15% time 2020-2022): [Designed](#) and implemented DEI [programming](#); analyzed faculty and student retention using survey and administrative data.

### EDUCATION

2011 **Ph.D., Yale University**. Political Science. Qualifying exams: Comparative Politics, American Politics (distinction), Political Psychology. Coursework included econometrics, game theory, qualitative methods.

2003 **BA, Swarthmore College**. Political Science (major) and Mathematics (minor). High Honors via oral examination. Fields: American Politics, Ancient Political Theory, Mathematical Statistics.

### SKILLS

- **Methods:** Causal inference, regression (OLS, logistic, multinomial, ridge; random and mixed effects), survey design and analysis, impact analysis, demographic estimation and projection.
- **Tools:** R/RStudio (base and tidyverse), R Markdown, SQL (PostgreSQL, Presto), Python, GNU Make, Git, Confluence/Jira, Microsoft Office (incl. Excel formulas/pivots), Google Suite.
- **Communication:** Curriculum design, public speaking, plain language and analytical writing, accessible data visualization.

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### SELECTED PUBLICATIONS AND PRESENTATIONS *Complete list available [here](#)*

- "Violence, Data, Violence Data, and US Democracy." [We All Count Talking Data Equity Series](#), Sept. 20, 2024.
- "[Presenting Academic Research in the Interview Process and Beyond](#): A Conversation Between Colleagues." In *Non-Academic Careers for Quantitative Social Scientists*, ed. Natalie Jackson. With Matt Bernius, Laurel Eckhouse, and Kerry Rodden. Springer, 2023.
- "[Reading and Writing in College](#)," 2013, revised 2021. Appears on 100+ undergraduate and graduate syllabi.
- "[Centering Human Subjects: The Ethics of 'Desk Research' on Political Violence](#)." *Journal of Global Security Studies*, 2020. With Dara Kay Cohen.
- "[Successful Fieldwork for the Fieldwork-Hater](#)." In *Stories from the Field*, eds. Ora Szekely and Peter Krause. Columbia U. Press, 2020.
- "[Civilian Killings and Disappearances During Civil War in El Salvador \(1980-92\)](#)." *Demographic Research* 41:27, pp. 781-814, 2019. With Patrick Ball.
- The Commander's Dilemma: Violence and Restraint in War*. Cornell University Press, 2018.
- "[Armed Group Institutions, Combatant Socialization and Violence Against Civilians](#): Evidence from El Salvador." *Journal of Peace Research* 54:5, pp. 687-700, 2017.
- "[Reflections: A Simple Plan](#)." 2017. Human Rights Data Analysis Group (HRDAG) blog.
- "[Violence Data: What Practitioners Need to Know](#)." [OpenDemocracy.net](#), 2016.
- "[Were 75 percent of Liberian women and girls raped? No. So why is the U.N. repeating that misleading 'statistic'?](#)" With Dara Cohen. *Washington Post Monkey Cage blog*, 2016. (Also see [BBC Radio coverage](#) of this research.)
- "[MSE: The Basics](#)," 2013. Human Rights Data Analysis Group blog. Five-part series.
- "[Wartime Sexual Violence: Misconceptions, Implications, and Ways Forward](#)." With Dara Kay Cohen and Elisabeth Wood. United States Institute of Peace Special Report, 2013.
- Using Quantitative Data to Assess Conflict-Related Sexual Violence in Colombia: Challenges and Opportunities*. Human Rights Data Analysis Group and Open Society Foundations, 2011. With Tamy Guberek and Francoise Roth.

### SELECTED GRANTS AND AWARDS

- 2020 Editor's Choice Award, *Demographic Research*, for "Civilian Killings and Disappearances during Civil War in El Salvador (1980-1992)." With Patrick Ball.
- 2019 Short list, Conflict Research Society Best Book Award, *The Commander's Dilemma* (Cornell, 2018).
- 2017-19 Research Mentor, Students Tackling Advanced Research (STAR), Drexel University. Multiple mentees received a total of approx. \$30k.
- 2015 Antelo Devereux Young Faculty Award for Excellence in Research, Drexel University (\$10,000 to support field research in El Salvador).
- 2008-11 Dissertation completion fellowships: Human Rights Data Analysis Group Research Fellowship (\$24,000); United States Institute of Peace Junior Fellowship (\$30,000); Whitney and Betty MacMillan Center Dissertation Research Award (\$25,000).
- 2003 Rhodes Scholarship semifinalist (state of Minnesota).
- 2002 Joint Program in Survey Methodology Junior Fellow, United States Census Bureau.

### REFERENCES

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| <b>Emily Pedneau, MPH</b> , Deputy Director, CMS Center for Consumer Information and Insurance Oversight, Office of Policy, Data Analysis, and Communication | <a href="mailto:emily.pedneau@cms.hhs.gov">emily.pedneau@cms.hhs.gov</a>     |
| <b>Eric Giannella, Ph.D.</b> , Former Director of Data Science, Code for America.  | <a href="mailto:eric.giannella@gmail.com">eric.giannella@gmail.com</a>       |
| <b>Annelise Grimm</b> , Program Director, Safety Net, Code for America.  | <a href="mailto:annelise@codeforamerica.org">annelise@codeforamerica.org</a> |
| <b>Megan Price, Ph.D.</b> , Executive Director, Human Rights Data Analysis Group.  | <a href="mailto:meganp@hrdag.org">meganp@hrdag.org</a>                       |