

REBECCA BUCCI, PhD

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SUMMARY

Quantitative social scientist with expertise in project management, data collection and analysis looking to apply my skills to conduct rigorous policy-relevant research to increase efficiency, equity, and public safety.

EDUCATION

PhD in CRIMINOLOGY – PENNSYLVANIA STATE UNIVERSITY AUGUST 2021

MA in CRIMINOLOGY – PENNSYLVANIA STATE UNIVERSITY DECEMBER 2018

BA in SOCIOLOGY – UNIVERSITY OF MASSACHUSETTS AMHERST MAY 2014

EXPERIENCE

POSTDOCTORAL FELLOW & PROJECT MANAGER JUNE 2021 - PRESENT
HARVARD UNIVERSITY – SOCIOLOGY

- Evaluated the prevalence of exposure to violence over the life course, published in *JAMA Network Open*.
- Presently examining the risk of firearm mortality using National Death Index records.
- Collected, cleaned and integrated official death record data with existing longitudinal survey data.
- Designed and implemented an online (i.e., Qualtrics) and text-based survey for a large longitudinal study.
- Coordinated all aspects of multiple government funded grants, including applications, IRB approvals, data collection efforts, grant extensions and quarterly grant reports.
- Applied statistical approaches such as longitudinal analyses, survival analyses, mediation, structural equation modeling and matching.
- Mentored junior staff on data entry, collection, cleaning and data visualization.
- Consolidated 6 waves of survey data for a large-scale research project spanning 25 years.
- Automated the presentation of research and data updates via Latex integration with Stata.
- Authored a data use manual which systematically describes all steps of the research project spanning from initial respondent contacting to data collection, cleaning and analysis.

GRADUATE RESEARCH ASSISTANT SEPTEMBER 2015 – MAY 2021
PENN STATE UNIVERSITY

- Published on the impact of a hot spots policing intervention on adolescent offending decisions and perceptions of arrest risk in the *Journal of Quantitative Criminology*.
- Secured funding to design and conduct a nationally representative online survey.
- Completed coursework in criminology, sociology, criminal justice, policy, social network analysis, survey design, longitudinal analysis and causal analysis.
- Led research projects on adolescent development as well as delinquency and substance use, resulting in multiple peer-reviewed publications in journals such as *Child Development* and *Criminology*.
- Assisted in designing, formatting and launching a paper and web survey of Pennsylvania residents.
- Served as the senior graduate student on a multidisciplinary (i.e., psychology, nursing, family studies) research team mentoring junior graduate students on research design, data management and analysis.

GRADUATE RESEARCH FELLOW MAY 2018 – AUGUST 2018
ARNOLD VENTURES

- Collaborated with the Director of Criminal Justice to draft timely research memos evaluating the existing evidence on topics related to police practices to reduce violence.
- Drafted a comprehensive critical literature review of the existing empirical research on policing strategies to brief the Board of Directors and inform future funding decisions.

INSTRUCTOR – POLICING IN AMERICA
PENNSYLVANIA STATE UNIVERSITY

SUMMER 2019

- Designed an upper-level undergraduate course focused on the history and structure of policing.
- Dedicated over 20% of the course to teaching the skills to conduct and evaluate experiments on police interventions as well as think critically and assess the effectiveness of different police strategies.

INSTRUCTOR – CRIMINAL JUSTICE RESEARCH
PENNSYLVANIA STATE UNIVERSITY

AUGUST 2015 – MAY 2016

- Taught the use of SPSS and descriptive analytic methods to undergraduate students.
- Led students through a semester-long project to conduct a research study and draft a final paper.
- Designed special lectures on survey methodology, survey design and understanding evidence.

INTERN
PROVIDENCE POLICE DEPARTMENT

SEPTEMBER 2014 – FEBRUARY 2015

- Established a database of juvenile crimes and arrest for the previous five years in order to compare prior and current arrest incidents in public schools for the Youth Services Bureau.
- Learned about the role of police in schools and issues related to juvenile justice.
- Followed up with victims to gather information and update them on the status of their case.

INTERN
EASTERN HAMPSHIRE DISTRICT COURT

JANUARY 2013 – MAY 2013

- Contacted police, court houses and drug treatment centers to aid in case management and update probation officers on the status of their clients.
- Retrieved case information and updates as needed during processing and court hearings.

SKILLS

SOFTWARE

- Stata (expert)
- SPSS (novice)
- R (intermediate)
- LaTeX (intermediate)
- GitHub (intermediate)
- Microsoft Office (expert)
- Qualtrics (intermediate)
- GIS (novice)

SERVICE

BOARD MEMBER – PROVIDENCE EXTERNAL REVIEW AUTHORITY (PERA) MAY 2023 - PRESENT

COACH – PAWTUCKET SLATERETTES APRIL 2023 - PRESENT

CHAIR – COMMUNITY SERVICE COMMITTEE SEPTEMBER 2017 – MAY 2021

CHAIR – GRADUATE RECRUITMENT WEEKEND COMMITTEE SEPTEMBER 2017 – MAY 2021

VOLUNTEER – ST. ANN CHURCH MAY 2006 - PRESENT

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PUBLICATIONS

Bucci, Rebecca. (2023). "Addressing the 'Dirty Little Secret' of Deterrence: Testing the Effects of Increased Police Presence on Perceptions of Arrest Risk." *Journal of Quantitative Criminology*.
<https://doi.org/10.1007/s10940-023-09570-3>

Lanfear, Charles C., **Bucci, Rebecca**, Kirk, David S. & Sampson, Robert J. (2023). "Inequalities in Exposure to Firearm Violence by Race, Sex, and Birth Cohort from Childhood to Age 40, 1995-2021." *JAMA Network Open*. <https://doi.org/10.1001/jamanetworkopen.2023.12465>

Bucci, Rebecca, Kirk, David S. & Sampson, Robert J. (2022). "Visualizing How Race, Support for Black Lives Matter, and Gun Ownership Shape Views of the U.S. Capitol Insurrection of January 6th, 2021." *Socius*.
<https://doi.org/10.1177/23780231221110124>

Sampson, Robert J., Kirk, David S. & **Bucci, Rebecca**. (2022). "Cohort Profile: Project on Human Development in Chicago Neighborhoods and Its Additions (PHDCN+)." *Journal of Developmental and Life-Course Criminology* 1-17. <https://doi.org/10.1007/s40865-022-00203-0>

Bucci, Rebecca, Staff, Jeremy, Maggs, Jennifer L. & Dorn, Lorah D. (2021). "Pubertal Timing and Adolescent Alcohol Use: The Mediating Role of Parental and Peer Influences." *Child Development*, 92(3).
<https://doi.org/10.1111/cdev.13569>

Bucci, Rebecca and Staff, Jeremy. (2020). "Pubertal Timing and Adolescent Delinquency." *Criminology*, 58(3), 537-567. <https://doi.org/10.1111/1745-9125.12245>

Staff, Jeremy, Maggs, Jennifer, **Bucci, Rebecca** & Mongilio, Jessica. (2019). "Changes in Externalizing Behaviors After Children First Have an Alcoholic Drink and First Drink Heavily." *Journal of Studies on Alcohol and Drugs*, 80, 472-479. <https://doi.org/10.15288/jsad.2019.80.472>

INVITED PRESENTATIONS

Bucci, Rebecca. (2023). "Measuring Legal Cynicism." Harvard Sociology Urban Data Lab. Cambridge, MA.

Bucci, Rebecca. (2023). "Testing the Effects of Increased Police Presence on Perceptions of Arrest Risk." University of Nevada Las Vegas Journal Club. Las Vegas, NV.

Bucci, Rebecca. (2022). "They Grow Up So Fast: Pubertal Timing, Risk Perception and Crime with Rebecca Bucci." The Criminology Academy. (Podcast) <https://thecrimacademy.podbean.com/>

Bucci, Rebecca. (2021). "Pubertal Timing and Adolescent Alcohol Use: The Mediating Role of Parental and Peer Influences." Pennsylvania State University Criminology Student Brown Bag. State College, PA.

Bucci, Rebecca. (2019). "Closing the Macro-Micro Link: Deterrent Effects on Individual Substance Use & Offending." Pennsylvania State University Criminology Forum. State College, PA.

Bucci, Rebecca & Greenfelder, Theodore. (2019). "Advanced Imputation Tips & Tricks." Coding & Data Management Working Group – Population Research Institute. State College, PA.