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EDUCATION

Expected 2023 Ph.D., Health Policy, University of Michigan, Ann Arbor, MI
2017 MS, Analytics, University of Chicago, Chicago, IL
2011 MPP, Public Policy, University of Chicago, Chicago, IL
2009 BA, International Relations, Michigan State University, East Lansing, MI

PROFESSIONAL EXPERIENCE

2016-18 Senior Data Scientist, CivicScape, Chicago, IL
2015-16 Data Scientist, Midwest Physician Administrative Services, Downers Grove, IL
2013-15 Research Manager, University of Chicago Crime Lab, Chicago, IL
2011-13 Budget Analyst, Obama for America, Chicago, IL

PUBLICATIONS: Peer-Reviewed

2022 Barber, C., Cook, P. J., & **Parker, Susan T.** The emerging infrastructure of US firearms injury data. *Preventive Medicine*. <https://doi.org/10.1016/j.ypmed.2022.107129>
2022 **Parker, Susan T.** Measuring gun violence in police data sources: transitioning to NIBRS. *Injury Epidemiology*, 9(1). <https://doi.org/10.1186/s40621-022-00376-8>
2020 **Parker, Susan T.** Estimating Nonfatal Gunshot Injury Locations With Natural Language Processing and Machine Learning Models. *JAMA Network Open*, 3(10). <https://doi.org/10.1001/jamanetworkopen.2020.20664>
2017 Collins, M, **Parker, Susan T.**, Scott, T. L., Wellford C. F. A Comparative Analysis of Crime Guns: Implications for Reducing Violence. *RSF: The Russell Sage Foundation Journal of the Social Sciences*, 3(5). <https://doi.org/10.7758/rsf.2017.3.5.05>
2015 Cook, P. J., **Parker, Susan T.**, Pollack, H. A. Sources of guns to dangerous people: what we learn by asking them. *Preventive Medicine*, 79. <https://doi.org/10.1016/j.ypmed.2015.04.021>

PUBLICATIONS: Not Peer Reviewed

2022 Cook, P. J., **Parker, Susan T.** Correcting Misinformation on Firearm Injury Intent. *JAMA Network Open*. Forthcoming.

- 2022 Cook, P. J., **Parker, Susan T.** Reducing Youth Firearm Carrying: Focus on the Parents. *JAMA Network Open*. 5(4). <https://doi.org/10.1001/jamanetworkopen.2022.5136>
- 2021 **Parker, Susan T.** "Measuring Gun Violence Using Police Data." in Roman, John K and Philip J. Cook, eds. *Improving Data Infrastructure to Reduce Firearms Violence*. Chicago, IL: NORC at the University of Chicago, 2021.

Working Papers

Parker, Susan T. "The Effects of Permitless Carry Policies on Gun Violence." (*Job Market Paper*)

Parker, Susan T. "Validating Emergency Department Records For Measurement of Non-Fatal Shootings." *Revisions Requested*.

Gilbert, Lauren, **Parker, Susan T.**, Schechter, Lauren. "The Effects of Lockdown Orders on Domestic Violence: Evidence from Medical Records."

Parker, Susan T., "Concealed Carry Licenses in Twelve U.S. States, 2002-2018."

AWARDS AND FELLOWSHIPS

- 2022 Rackham Graduate Student Conference Travel Grant (\$900)
- 2022 University of Michigan School of Public Health / Public Health IDEAS for Preventing Firearm Injuries Initiative - joint with Anjelica Gangaram (\$17,000)
- 2022 Martha and Ernest Hammel Graduate Student Research Award - joint with Anjelica Gangaram (\$3,100)
- 2021 Microsoft Computational Justice Award (\$20,000 computing credit)
- 2020 Walter J. McNerney Award - COVID-19 Rapid Small Grant Award (\$10,000)
- 2019 Rackham Pre-Doctoral Research Award (\$1,500)
- 2019 Firearm Safety Among Children and Teens (FACTS) Student Poster Award
- 2015 Capstone thesis award, University of Chicago Analytics Program
- 2009 Phi Beta Kappa
- 2005-2009 Skandalaris Family Foundation Scholarship

SPONSORED RESEARCH

Role: Project Director, Grant Author

PIs: Edward Norton, Julia Wolfson

Title: The Effect of Concealed Carry Laws on Firearm Injury

Source: National Gun Collaborative for Gun Violence Research (NCGVR) (\$235,000)

Dates: 07/15/2019-12/31/2021

PIs: Lauren Gilbert (UCSD), Susan Parker, Lauren Schechter (UC-Boulder)

Title: The Effect of Pandemic Shutdown Orders on Domestic Violence (\$33,000)

Source: Gates Foundation - Covid 19 Research Database Research Accelerator Program

Dates: 08/01/2021-08/01/2022

CONFERENCE PAPERS AND PRESENTATIONS

2022 'The Effects of Permitless Carry Policy on Violent Crime and Victimization.' American Public Health Association (APHA) Conference. November.

2021 'The Effect of Lockdown Orders on Domestic Violence.' FACTS Symposium. Online. October.

2021 'Measuring Gun Violence Using Police Data.' FACTS Symposium. Online. October.

2021. 'Improving Data Infrastructure to Reduce Firearms Violence.' Webinar hosted by: NORC at the University of Chicago, the Data Foundation, Arnold Ventures and the National Prevention Science Coalition (NPSC). October.

2021 'The Effect of Lockdown Orders on Domestic Violence.' Law Enforcement and Public Health Conference. Online. March.

2020 'The Effect of Concealed Carry Weapons Laws on Stolen Guns.' American Society of Criminology Conference. *Canceled due to COVID-19*.

2020 'Estimating Non-fatal Shootings Using Hospital Data. FACTS Annual Symposium. Ann Arbor. September.

2019 'Estimating Shooting Locations Using Natural Language Processing.' FACTS Annual Symposium. Ann Arbor. September.

2016 'Predicting Demand in the Chicago Housing Market.' University of Chicago Convening on Urban Data Science. Chicago, IL. April 28.

2016 'How Hot is the Chicago Housing Market? Demand Prediction from Home Showings Microevents.' Chicago Association of Chicago Chapter of the American Statistical Association (CCASA) Student Showcase Presentation. Chicago, IL. March 15.

2015 'Police Strategies for Reducing Gun Violence.' American Society of Criminology Conference. Washington, D.C. November 20.

2015 'Police Enforcement Against Gun Violence.' International Association of Chiefs of Police Conference. Chicago, IL. October 27.

2015 'Predicting Housing Demand in the Chicago Real Estate Market.' University of Chicago Research Computing Center Poster Presentation, Chicago, IL. October 27.

2015 'Sources of Crime Guns to Dangerous Individuals: Chicago Jail Survey.' Law and Society Association Conference. Seattle, WA. May 31.

2015 'What We Don't Know Can Kill Us: Gun Violence Research Methods.' American Public Health Association Conference. New Orleans, LA. November 19.

TEACHING

Working Professional 1-2-Day Courses

Instructor - Introduction to SQL, Advanced SQL, Introduction to Python, Introduction to Machine Learning, 2016-2018

Graduate Student Courses

Graduate Teaching Assistant - Health Economics II, Fall 2019

Graduate Teaching Assistant - Health Economics I, Winter 2020

Graduate Teaching Assistant - Data Driven Methods for Public Health, Winter 2021

Graduate Teaching Assistant - Quantitative Methods for Social Science, Spring 2021

SERVICE

Journal reviewer: American Journal of Epidemiology, The Lancet - Child and Adolescent Health, JAMA Network-Open, Journal of Medical Informatics Research, Preventive Medicine

SKILLS

AWS, GIS, nVivo, PostGreSQL, PostGIS, Python, R, SQL, STATA, Unix