
ERIC L. PIZA, PHD

School of Criminology and Criminal Justice
College of Social Sciences and Humanities
Northeastern University

360 Huntington Avenue, 401J Churchill Hall
Boston, MA 02115

Email: e.piza@northeastern.edu Website: www.EricPiza.net

EDUCATION

- 2012** **Rutgers University School of Criminal Justice: Newark, NJ**
- PhD in Criminal Justice
 - Dissertation Title: *Identifying the Best Context for CCTV Camera Deployment: An Analysis of Micro-Level Features*
- 2004** **Rutgers University College of Arts & Sciences: Newark, NJ**
- MA in Criminal Justice
 - BS in Criminal Justice

EMPLOYMENT

- 2022 - Present** **Northeastern University**
School of Criminology and Criminal Justice
- Professor
 - Director of Crime Analysis Initiatives
 - Co-Director, Crime Prevention Lab, Center for Crime, Race, and Justice (2023-Present)
- 2013 - 2022** **John Jay College of Criminal Justice**
Department of Criminal Justice
- Associate Professor (2018-2022)
- CUNY Graduate Center, Program in Criminal Justice
- Doctoral Faculty (2015-2022)
- Department of Law and Police Science
- Assistant Professor (2013-2016)
 - Associate Professor (2017)
- 2012 - 2013** **Rutgers School of Criminal Justice/Center on Public Security**
- Research Faculty/Research Director for Crime Analytics
- 2007 - 2012** **Newark, NJ Police Department**
- Geographic Information Systems Specialist

PUBLICATIONS*

▪ **Refereed Journal Articles**

Connealy, N., **Piza, E.**, Arietti, R.*, Mohler, G., and Carter, J. (2024). Staggered deployment of gunshot detection technology in Chicago, IL: A matched quasi-experiment of gun violence outcomes. *Journal of Experimental Criminology* DOI: 10.1007/s11292-024-09617-5. ([version of record: open access](#)) | ([research brief](#))

Piza, E. and Sytsma, V. (2024). The Impact of Suspect Resistance, Informational Justice, and Interpersonal Justice on Time Until Police Use of Physical Force: A Survival Analysis. *Crime & Delinquency*, 70(1): 3-28. ([version of record](#)) | ([open access post print](#)) | ([research brief](#))

*Indicates student co-author at the time of manuscript submission.

Piza, E., Arietti, R.*, Carter, J. and Mohler, G. (2023). The Effect of Gunshot Detection Technology on Evidence Collection and Case Clearance in Kansas City, Missouri. *Journal of Experimental Criminology*. DOI: 10.1007/s11292-023-09594-6. ([version of record: open access](#)) | ([research brief](#))

Piza, E., Hatten, D., Mohler, G., Carter, J., and Cho, J.* (2023). Gunshot Detection Technology Effect on Gun Violence in Kansas City, Missouri: A Microsynthetic Control Evaluation. *Criminology & Public Policy*. DOI: 10.1111/1745-9133.12648. ([version of record: open access](#)) | ([research brief](#))

Campedelli, G., **Piza, E.**, Piquero, A., and Kurland, J. (2023). Evidence on the Impact of the Prudential Center on Crime in Downtown Newark. *Journal of Experimental Criminology*. DOI: 10.1007/s11292-023-09576-8. ([version of record: open access](#))

Piza, E. and Moton, L.* (2023). Proactive Monitoring and Operator Discretion: A Systematic Social Observation of CCTV Control Room Operations. *Journal of Criminal Justice*, 86, 102071. ([version of record](#)) | ([open access post print](#)) | ([research brief](#))

Piza, E., Hatten, D., Carter, J., Baughman, J., and Mohler, G. (2023). Gunshot Detection Technology Time Savings and Spatial Precision: An Exploratory Analysis in Kansas City. *Policing: A Journal of Policy and Practice*, 17, paac097. ([version of record](#)) | ([open access post print](#)) | ([research brief](#))

Piza, E., Connealy, N., Sytsma, V., and Chillar, V.* (2023). Situational Factors and Police Use of Force Across Micro-Time Intervals: A Video Systematic Social Observation and Panel Regression Analysis. *Criminology* 61(1): 74-102. ([version of record](#)) | ([open access post print](#)) | ([research brief](#))

Piza, E., Wolff, K., Hatten, D., and Barthuly, B.* (2023). Drug Overdoses, Geographic Trajectories, and the Influence of Built Environment and Neighborhood Characteristics. *Health & Place*, 79, 102959. ([version of record](#)) | ([open access post print](#)) | ([research brief](#))

Piza, E. and Connealy, N. (2022). The Effect of the Seattle Police-Free CHOP Zone on Crime: A Microsynthetic Control Evaluation. *Criminology & Public Policy*, 21(1): 35-58. ([version of record](#)) | ([open access post print](#)) | ([research brief](#))

Hatten, D.* and **Piza, E.** (2022). When Crime Moves Where Does It Go? Analyzing the Spatial Correlates of Robbery Incidents Displaced by a Place-Based Policing Intervention. *Journal of Research in Crime & Delinquency*, 59(1): 128-162. ([version of record](#)) | ([open access post print](#)) | ([research brief](#))

Thomas, A.* , **Piza, E.**, Welsh, B. and Farrington, D. (2022). The Internationalization of CCTV Surveillance: Effects on Crime and Implications for Emerging Technologies. *International Journal of Comparative and Applied Criminal Justice*, 46(1): 81-102. ([version of record](#)) | ([open access post print](#))

Quick, K.* and **Piza, E.** (2022). Police Officers' Best Friend? An Exploratory Analysis of the Effect of Service Dogs on Perceived Organizational Support in Policing. *The Police Journal: Theory, Practice and Principles*, 95(1): 127-151. ([version of record](#)) | ([open access post print](#))

Piza, E., Szkola, J.* and Blount-Hill, K.* (2021). How Can Embedded Criminologists, Police Pracademics, and Crime Analysts Help Increase Police-Led Program Evaluations? A Survey of Authors Cited in the Evidence-Based Policing Matrix. *Policing: A Journal of Policy and Practice*, 15(2): 1217-1231. ([version of record](#)) | ([open access post print](#)) | ([research brief](#))

Chillar, V.* , **Piza, E.**, and Sytsma, V. (2021). Conducting a Systematic Social Observation of Body-Camera Footage: Methodological and Practical Insights. *Journal of Qualitative Criminal Justice and Criminology*, 10(4): 1-30. ([version of record: open access](#)) | ([research brief](#))

Piza, E. and Chillar, V.* (2021). The Effect of Police Layoffs on Crime: A Natural Experiment Involving New Jersey's Two Largest Cities. *Justice Evaluation Journal*, 4(2): 163-183. ([version of record](#)) | ([open access post print](#)) | ([research brief](#))

- Sytsma, V., **Piza, E.**, Chillar, V.*, and Grossman, L. (2021). Measuring Procedural Justice Policy Adherence During Use of Force Events: The Body-Worn Camera as a Performance Monitoring Tool. *Criminal Justice Policy Review*, 32(9): 938-959. ([version of record: open access](#)) | ([research brief](#))
- Piza, E.** (2021). The History, Policy Implications, and Knowledge Gaps of the CCTV Literature: Insights for the Development of Body-Worn Video Camera Research. *International Criminal Justice Review*, 31(3): 304-324. ([version of record](#)) | ([open access post print](#))
- Sytsma, V., Chillar, V.*, and **Piza E.** (2021). Scripting Police Escalation of Use of Force through Conjunctive Analysis of Body-Worn Camera Footage: A Systematic Social Observational Pilot Study. *Journal of Criminal Justice*, 74: 101776. ([version of record](#)) | ([open access post print](#)) | ([research brief](#))
- Haberman, C., Hatten, D.*, Carter, J. and **Piza, E.** (2021). The Sensitivity of Repeat and Near Repeat Analysis to Geocoding Algorithms. *Journal of Criminal Justice*, 73: 1-12. ([version of record](#)) | ([open access post print](#))
- Szkola, J.*, **Piza, E.** and Drawve, G. (2021). Risk Terrain Modeling: Seasonality and Predictive Validity. *Justice Quarterly*, 38(2): 322-343. ([version of record](#)) | ([open access post print](#))
- Hatten, D.* and **Piza, E.** (2021). Measuring the Temporal Stability of Near-Repeat Crime Patterns: A Longitudinal Analysis. *Crime & Delinquency*, 67(4): 498-522. ([version of record](#)) | ([open access version](#))
- Kennedy, L., Caplan, J., **Piza, E.**, and Thomas, A.* (2020). Environmental Factors Influencing Urban Homicide Clearance Rates: A Spatial Analysis of New York City. *Homicide Studies*, 25(4): 313-334. ([version of record](#)) | ([open access post print](#))
- Sytsma, V., Connealy, N.* and **Piza, E.** (2020). Environmental Predictors of a Drug Offender Crime Script: A Systematic Social Observation of Google Street View Images and CCTV Footage. *Crime & Delinquency*, 67(1): 27-57. ([version of record](#)) | ([open access post print](#))
- Piza, E.**, Wheeler, A., Connealy, N.* and Feng, S.* (2020). Crime Control Effects of a Police Substation Within a Business-Improvement District: A Quasi-Experimental Synthetic Control Evaluation. *Criminology & Public Policy*, 19(2): 653-684. ([version of record](#)) | ([open access post print](#)) | ([research brief](#))
- Welsh, B., **Piza, E.**, Thomas, A.* and Farrington, D. (2020). Private Security and CCTV Surveillance: A Systematic Review of Function and Performance. *Journal of Contemporary Criminal Justice*, 36(1): 56-69. ([version of record](#)) | ([open access post print](#))
- Connealy, N.*, **Piza, E.** and Hatten, D.* (2020). The Criminogenic Effect of Marijuana Dispensaries in Denver, Colorado: A Microsynthetic Control Quasi-Experiment and Cost-Benefit Analysis. *Justice Evaluation Journal*, 3(1): 69-93. ([version of record: open access](#))
- Sytsma, V. and **Piza, E.** (2020). Quality Over Quantity: Assessing the Impact of Frequent Public Interaction Compared to Problem-Solving Activities on Police Officer Job Satisfaction. *Policing: A Journal of Policy and Practice*, 14(2): 526-541. ([version of record](#))
- Caplan, J., Kennedy, L., **Piza, E.**, and Barnum, J.* (2020). Using Vulnerability and Exposure to Improve Robbery Prediction and Target Area Selection. *Applied Spatial Analysis and Policy*, 13(1): 113-136. ([version of record](#))
- Piza, E.**, Welsh, B., Farrington, D. and Thomas, A.* (2019). CCTV Surveillance for Crime Prevention: A 40-Year Systematic Review with Meta-Analysis. *Criminology & Public Policy*, 18(1): 135-159. ([version of record](#)) | ([open access post print](#)) | ([research brief](#))
- Connealy, N.* and **Piza, E.** (2019). Risk Factor and High-Risk Place Variations Across Different Robbery Targets in Denver, Colorado. *Journal of Criminal Justice*, 60: 47-56. ([version of record](#)) | ([open access post print](#))

- Carter, J., **Piza, E.** and Grommon, E. (2019). Leveraging Wireless Broadband to Improve Police Land Mobile Radio Programming: Estimating the Resource Impact. *Journal of Crime and Justice*, 42(1): 60-77. ([version of record](#))
- Feng, S.*, **Piza, E.**, Kennedy, L. and Caplan, J. (2019). Aggravating Effects of Alcohol Outlet Types on Street Robbery and Aggravated Assault in New York City. *Journal of Crime and Justice*, 42(3): 257-273. ([version of record](#))
- Piza, E.**, Kennedy, L., and Caplan, J. (2018). Facilitators and Impediments to Designing, Implementing, and Evaluating Risk-Based Policing Strategies Using Risk Terrain Modeling: Insights from a Multi-City Evaluation in the United States. *European Journal on Criminal Policy and Research*, 24(4): 489-513. ([version of record](#)) | ([open access post print](#))
- Piza, E.** and Carter, J. (2018). Predicting Initiator and Near Repeat Events in Spatiotemporal Crime Patterns: An Analysis of Residential Burglary and Motor Vehicle Theft. *Justice Quarterly*, 35(5): 842-870. ([version of record](#)) | ([open access post print](#)) | ([research brief](#))
- Piza, E.** and Gilchrist, A.* (2018). Measuring the Effect Heterogeneity of Police Enforcement Actions Across Spatial Contexts. *Journal of Criminal Justice*, 54: 76-87. ([version of record: open access](#))
- Carter, J. and **Piza, E.** (2018). Spatiotemporal Convergence of Crime and Vehicle Crash Hot Spots: Additional Consideration for Policing Places. *Crime & Delinquency*, 64(14): 1795-1819. ([version of record](#))
- Piza, E.** (2018). The Effect of Various Police Enforcement Actions on Violent Crime: Evidence from a Saturation Foot-Patrol Intervention. *Criminal Justice Policy Review*, 29(6-7): 611-629. ([version of record](#)) | ([open access post print](#)) | ([research brief](#))
- Piza, E.** (2018). The Crime Prevention Effect of CCTV in Public Places: A Propensity Score Analysis. *Journal of Crime and Justice*, 41(1): 14-30. ([version of record](#)) | ([open access post print](#))
- Sytsma, V. and **Piza, E.** (2018). Script Analysis of Open-Air Drug Selling: A Systematic Social Observation of CCTV Footage. *Journal of Research in Crime and Delinquency*, 55(1): 78-102. ([version of record](#))
- Shane, J., **Piza, E.**, and Silva, J.* (2018). Piracy for Ransom: The Implications for Situational Crime Prevention. *Security Journal*, 31(2): 548-569. ([version of record](#))
- Kurland, J. and **Piza, E.** (2018). The Devil You Don't Know: A Spatial Analysis of Crime at Newark's Prudential Center on Hockey Game Days. *Journal of Sport Safety and Security*, 3(1): Article 1.
- Sytsma, V. and **Piza, E.** (2018). The Influence of Job Assignment on Community Engagement: Bicycle Patrol and Community-Oriented Policing. *Police Practice and Research: An International Journal*, 19(4): 347-364. ([version of record](#))
- Piza, E.** and Feng, S.* (2017). The Current and Potential Role of Crime Analysts in Evaluations of Police Interventions: Results from a Survey of the International Association of Crime Analysts. *Police Quarterly*, 20(4): 339-366. ([version of record](#)) | ([open access post print](#))
- Piza, E.**, Caplan, J., and Kennedy, L. (2017). CCTV as a Tool for Early Police Intervention: Preliminary Lessons from Nine Case Studies. *Security Journal*, 30(1): 247-265. ([version of record](#))
- Schnell, C.*, Braga, A., and **Piza, E.** (2017). The Influence of Community Areas, Neighborhood Clusters, and Street Segments on the Spatial Variability of Violent Crime in Chicago. *Journal of Quantitative Criminology*, 33(3): 469-496. ([version of record](#))
- Piza, E.**, Feng, S.*, Kennedy, L. and Caplan, J. (2017). Place-Based Correlates of Motor Vehicle Theft and Recovery: Measuring Spatial Influence Across Neighbourhood Context. *Urban Studies*, 54(13): 2998-3021. ([version of record](#))

- Caplan, J., Kennedy, L., Barnum, J.*, and **Piza, E.** (2017). Crime in Context: Utilizing Risk Terrain Modeling and Conjunctive Analysis of Case Configurations to Explore the Dynamics of Criminogenic Behavior Settings. *Journal of Contemporary Criminal Justice*, 33(2): 133-151. ([version of record](#))
- Barnum, J.*, Caplan, J., Kennedy, L., and **Piza, E.** (2017). The Crime Kaleidoscope: A Cross-Jurisdictional Analysis of Place Features and Crime in Three Urban Environments. *Applied Geography*, 79: 203-211. ([version of record](#))
- Piza, E.** and Sytsma, V. (2016). Exploring the Defensive Actions of Drug Sellers in Open-Air Markets: A Systematic Social Observation. *Journal of Research in Crime and Delinquency*, 53(1): 36-65. ([version of record](#)) | ([open access post print](#))
- Piza, E.**, Gilchrist, A.*, Caplan, J., Kennedy, L. and O'Hara, B. (2016). The Financial Implications of Merging Proactive CCTV Monitoring and Directed Police Patrol: A Cost-Benefit Analysis. *Journal of Experimental Criminology*, 12(3): 403-429. ([version of record](#)) | ([open access post print](#))
- Kennedy, L., Caplan, J., **Piza, E.**, and Buccine-Schraeder, H.* (2016). Vulnerability and Exposure to Crime: Applying Risk Terrain Modeling to the Study of Assault in Chicago. *Applied Spatial Analysis and Policy*, 9(4): 529-548. ([version of record](#))
- Papachristos, A., Braga, A., **Piza, E.**, and Grossman, L.* (2015). The Company You Keep? The Spillover Effects of Gang Membership on Individual Gunshot Victimization in Social Networks. *Criminology*, 53(4): 624-649. ([version of record](#))
- Piza, E.**, Caplan, J., Kennedy, L., and Gilchrist, A.* (2015). The Effects of Merging Proactive CCTV Monitoring with Directed Police Patrol: A Randomized Controlled Trial. *Journal of Experimental Criminology*, 11(1): 43-69. ([version of record](#)) | ([open access post print](#))
- Salvemini, A., **Piza, E.**, Carter, J., Grommon, E., and Merritt, N. (2015). Integrating Human Factors Engineering and Information Processing Approaches to Facilitate Evaluations in the Criminal Justice Technology Research. *Evaluation Review*, 39(3): 308-338. ([version of record](#))
- Shane, J., **Piza, E.**, and Mandala, M.* (2015). Situational Crime Prevention and Worldwide Piracy: A Cross-Continent Analysis. *Crime Science*, 4(1): 1-13. ([version of record: open access](#))
- Caplan, J., Kennedy, L., Barnum, J.* and **Piza, E.** (2015). Risk Terrain Modeling for Spatial Risk Assessment. *Cityscape: A Journal of Policy Development and Research*, 17(1): 7-16. ([version of record: open access](#))
- Caplan, J., Marotta, P.*, **Piza, E.**, and Kennedy, L. (2014). Spatial Risk Factors of Felonious Battery to Police Officers. *Policing: An International Journal of Police Strategies & Management*, 37(4): 823-838. ([version of record](#))
- Piza, E.**, Caplan, J. and Kennedy, L. (2014). Analyzing the Influence of Micro-Level Factors on CCTV Camera Effect. *Journal of Quantitative Criminology*, 30(2): 237-264. ([version of record](#))
- Piza, E.**, Caplan, J. and Kennedy, L. (2014). Is the Punishment More Certain? An Analysis of CCTV Detections and Enforcement. *Justice Quarterly*, 31(6): 1015-1043. ([version of record](#)) | ([open access post print](#)) | ([research brief](#))
- Moreto, W.*, **Piza, E.**, and Caplan, J. (2014). A Plague on Both Your Houses? Risks, Repeats, and Reconsiderations of Urban Residential Burglary. *Justice Quarterly*, 31(6): 1102-1126. ([version of record](#))
- Piza, E.** and O'Hara, B. (2014). Saturation Foot Patrol in a High-Violence Area: A Quasi-Experimental Evaluation. *Justice Quarterly*, 31(4): 693-718. ([version of record](#)) | ([open access post print](#)) | ([research brief](#))
- Boxer, P., Sloan-Power, E., **Piza, E.**, and Schappell, A.* (2014). Using Police Data to Measure Children's Exposure to Neighborhood Violence: A New Method for Measuring Children's Exposure to Violence and

Evaluation Relations Between their Exposure and Mental Health. *Violence and Victims*, 29(1): 24-33. ([version of record](#))

Caplan, J., Kennedy, L., and **Piza, E.** (2013). Joint Utility of Event Dependent and Contextual Crime Analysis Techniques for Violent Crime Forecasting. *Crime & Delinquency*, 59(2): 243-270. ([version of record](#))

Kennedy, L., Caplan, J. and **Piza, E.** (2011). Risk Clusters, Hotspots, and Spatial Intelligence: Risk Terrain Modeling as an Algorithm for Police Resource Allocation Strategies. *Journal of Quantitative Criminology*, 27(3): 339-362. ([version of record](#))

▪ **Books**

Piza, E. and Welsh, B. (Eds.) (2022). *The Globalization of Evidence-Based Policing: Innovations in Bridging the Research-Practice Divide*. Abingdon, Oxon, UK: Routledge Press. ([version of record](#))

Piza, E. and Baughman, J. (2021). *Modern Policing Using ArcGIS Pro*. Redlands, CA: Esri Press. ([version of record](#))

Kennedy, L., Caplan, J., and **Piza, E.** (2018). *Risk-Based Policing: Evidence-Based Crime Prevention with Big Data and Spatial Analytics*. Oakland, CA: University of California Press. ([version of record](#))

▪ **Book Chapters**

Piza, E. (2024). CCTV Video Surveillance and Crime Control: The Current Evidence and Important Next Steps. In Welsh, B., Zane, S. & Mears, D. (Eds.) *The Oxford Handbook of Evidence-Based Crime and Justice Policy* (pp. 265-285). Oxford University Press: New York, NY. ([version of record](#)) | ([open access post print](#))

Piza, E., Hatten, D., and Welsh, B. (2023). Creating Viewsheds To Evaluate the Effect of CCTV Camera Systems. In Groff, E. and Haberman, C. (Eds.) *Understanding Crime and Place. A Methods Handbook* (pp. 382-395). Philadelphia, PA: Temple University Press. ([version of record](#)) | ([open access post print](#))

Piza, E. and Sytsma, V. (2023). Video Data Analysis of Body-Worn Camera Footage: A Practical Methodology in Support of Police Reform. In Craig, M. and Blount-Hill, K. (Eds.) *Justice and Legitimacy in Policing: Transforming the Institution* (pp. 59-75). Abingdon, Oxon, UK: Routledge Press. ([version of record](#)) | ([open access post print](#))

Piza, E. and Arietti, R. (2022). Crime Analysis in Policing. In *Oxford Research Encyclopedia of Criminology and Criminal Justice*. New York and Oxford: Oxford University Press. doi: 10.1093/acrefore/9780190264079.013.ORE_CRI-00716. ([version of record](#)) | ([open access post print](#))

Piza, E. and Welsh, B. (2022). Evidence-based Policing: Research, Practice, and Bridging the Great Divide. In Piza, E. and Welsh, B. (Eds.) *The Globalization of Evidence-Based Policing: Innovations in Bridging the Research-Practice Divide* (pp. 3-20). Abingdon, Oxon, UK: Routledge Press. ([version of record](#)) | ([open access post print](#))

Piza, E., Chu, S. and Welsh, B. (2022). Surveillance, Action research, and Community Technology Oversight Boards: A Proposed Model for Police Technology Research. In Piza, E. and Welsh, B. (Eds.) *The Globalization of Evidence-Based Policing: Innovations in Bridging the Research-Practice Divide* (pp. 206-222). Abingdon, Oxon, UK: Routledge Press. ([version of record](#)) | ([open access post print](#))

Welsh, B. and **Piza, E.** (2022). Evidence-Based Policing is Here to Stay: Lessons Learned and Next Steps. In Piza, E. and Welsh, B. (Eds.) *The Globalization of Evidence-Based Policing: Innovations in Bridging the Research-Practice Divide* (pp. 206-222). Abingdon, Oxon, UK: Routledge Press. ([version of record](#))

Piza, E. (2021). Bentham on Crime Analysis and Evidence-Based Policing. In Jacques, S. and Schofield, P. (Eds.) *Jeremy Bentham on Police. The Unknown Story and What it Means for Criminology*. London, UK: UCL Press. ([version of record: open access](#))

▪ **Scholarly Monographs and Public Writing (Non-Refereed)**

Piza, E. (2024). Learning About ShotSpotter — and Gun Violence — From Chicago. *Vital City*. ([version of record: open access](#))

Piza, E. (2024). Breaking Barriers: Dr. Eric L. Piza's Evolution from and Undergrad Researcher to Open Access Crusader in Crime Analysis and Policing. *The Source by Springer Nature*. ([version of record: open access](#))

Piza, E. and Welsh, B. (2022). Evidence-Based Policing Is Here to Stay: Innovative Research, Meaningful Practice, and Global Reach. *Cambridge Journal of Evidence-Based Policing*, 6(1-2): 42-53. ([version of record](#)) | ([open access post print](#))

Jacques, S. and **Piza, E.** (2022). The irony of paywalled articles is they can be made open access for free. *ACJS Today*, 50(2): 7-9. ([version of record](#)) | ([open access post print](#))

Piza, E. (2019). *Police Technologies for Place-Based Crime Prevention. Integrating Risk Terrain Modeling for Actionable Intel*. Issues in Spatial Analysis Series, Volume 1. Newark, NJ: Rutgers Center on Public Security. ([version of record: open access](#))

Piza, E., Welsh, B., Farrington, D. and Thomas, A.* (2018). *CCTV and Crime Prevention: A New Systematic Review and Meta-Analysis*. Report Prepared for the Swedish National Council for Crime Prevention. ([version of record: open access](#))

Caplan, J., Kennedy, L., **Piza, E.**, Marotta, P.* (2014). Risk Terrain Modeling for Strategic and Tactical Action. *Crime Mapping & Analysis News: A Police Foundation Publication. Issue 1*.

Piza, E. (2012). *Using Poisson and Negative Binomial Regression Models to Measure the Influence of Risk on Crime Incident Counts*. Newark, NJ: Rutgers Center on Public Security.

Kennedy, L., Caplan, J., and **Piza, E.** (2012). *A Primer on the Spatial Dynamics of Crime Emergence and Persistence*. Rutgers Center on Public Security: Newark, NJ

Caplan, J., Kennedy, L., **Piza, E.**, and Kim, E.* (2012). *Vacant Properties and Gun Shootings: Empirical Validation of a Core Assumption of the Kensington Renewal Initiative*. Newark, NJ: Rutgers Center on Public Security.

Braga, A., Grossman, L.* , and **Piza, E.** (2011). *Understanding serious violence in Newark, New Jersey*. Unpublished working paper. Newark, NJ: Rutgers University, School of Criminal Justice.

Piza, E., Kennedy, L. and Caplan, J. (2011). Police Resource Allocation. In Caplan, J. and Kennedy, L. (Eds.) *Risk Terrain Modeling Compendium*. Newark, NJ: Rutgers Center on Public Security

▪ **Technical Reports**

Piza, E., Mohler, G., Carter, J., Hatten, D., Connealy, N., Arietti, R., and Cho, J. (2024). *The Impact of Gunshot Detection Technology on Gun Violence in Kansas City and Chicago: A Multi-Pronged Evaluation*. Final report submitted to the National Institute of Justice in partial fulfillment of award number 2019-R2-CX-0004.

Piza, E., Connealy, N., Sytsma, V. and Chillar, V. (2021). *Police Use of Force as a Transactional Event: A Video Systematic Social Observation and Panel Regression Analysis*. Report submitted to the Charles Koch Foundation in partial fulfillment of Criminal Justice & Police Reform grant awarded to John Jay College of Criminal Justice.

Sytsma, V., **Piza, E.**, and Chillar, V.* (2020). *Reporting Descriptive Statistics for the Project Identifying Situational Determinants of Police Use of Force: A Systematic Social Observation of Body Camera Footage in Newark, NJ*. Report submitted to the Charles Koch Foundation in partial fulfillment of Criminal Justice & Police Reform grant awarded to John Jay College of Criminal Justice.

Chillar, V.* , **Piza, E.**, and Sytsma, V. (2020). *Conducting Systematic Social Observations of Body-Camera Footage to Understand Police Use of Force: Methodological and Practical Insights*. Report submitted to the Charles Koch Foundation in partial fulfillment of Criminal Justice & Police Reform grant awarded to John Jay College of Criminal Justice.

Piza, E., Feng, S.* and Connealy, N.* (2017). *An Evaluation of the Newark Police Department's Downtown Sub-Station: A Propensity Score Analysis*. Final report submitted to the Professional Staff Congress-City University of New York in partial fulfillment of award number 68767-00 46.

Carter, J., **Piza, E.**, Grommon, E., Salvemini, A., Harris, P., and Frantz, F. (2016). *An Exploration of the Impacts of Utilizing Broadband-Enabled Over-the-Air-Programming of Portable Land Mobile Radios*. Final report submitted to the National Institute of Justice in partial fulfillment of award number 2010-IJ-CX-K023.

Piza, E., Caplan, J. and Kennedy, L. (2013). *Detection of Crime, Resource Deployment, and Predictors of Success: A Multi-Level Analysis of CCTV in Newark, NJ*. Final report submitted to the National Institute of Justice in partial fulfillment of award number 2010-IJ-CX-0026.

EXTERNAL GRANT AND FUNDING SUPPORT

▪ **\$3,954,094 in total**

2024-2025 **Principal Investigator: County of Mecklenburg Department of Public Health (\$99,000)**

-Research and Evaluation in Support of Mecklenburg County's "The Way Forward" Community Violence Strategic Plan

2024-2025 **Principal Investigator: National Institute of Justice, Research and Evaluation on Policing Practices, Accountability Mechanisms, and Alternatives (\$862,804) [15PNIJ-23-GG-05490-RESS]**

-Exploring Officer Patrol Behaviors using Automated Vehicle Locator and Body-Worn Camera Data in Kansas City, Missouri

2022-2024 **Co-Principal Investigator: Bureau of Justice Assistance and Institute for Intergovernmental Research (via the City of Paterson, NJ Police Department) (\$261,033)**

-Analytical and Technical Assistance to the Coalition for Opioid Response and Assessment

2020-2022 **Principal Investigator: National Institute of Justice, Investigator-Initiated Research and Evaluation on Firearm Violence (\$503,129) [2019-R2-CX-0004]**

-The Impact of Gunshot Detection Technology on Gun Violence in Kansas City and Chicago: A Multi-Pronged Synthetic Control Evaluation

2020-2021 **Principal Investigator: Bureau of Justice Assistance and Institute for Intergovernmental Research (via the City of Paterson, NJ Police Department) (\$146,851)**

-Developing and Evaluating a Data-Driven Approach to Address the Opioid Epidemic

2020-2021 **Co-Principal Investigator: U.S. Department of State (\$306,720)**

-Western Hemisphere Regional Transnational Crime Assessment and Analysis

2019 - 2020 **Principal Investigator: Charles Koch Foundation, Criminal Justice & Policing Reform Program (\$110,000)**

-Identifying Situational Determinants of Police Use of Force: A Systematic Social Observation of Body Camera Footage in Newark, NJ

- 2018 - 2020** **Co-Principal Investigator: Bureau of Justice Assistance, Body-Worn Camera Policy and Implementation Program [2017-BC-BX-0045] (\$496,920)**
- Newark Public Safety Department Body-Worn Camera Enhancement Project
- 2017 - 2018** **Co-Principal Investigator: The Swedish National Council for Crime Prevention (Brå) (£11,250)**
- *The Effect of CCTV on Crime and Perceptions of Safety: An Updated Systematic Review and Meta-Analysis*
- 2014 - 2017** **Co-Principal Investigator: National Institute of Justice, Testing Geospatial Predictive Policing Strategies [2013-IJ-CX-0053] (\$461,384)**
- *Policing by Place: A Multi-Level Analysis of the Effectiveness of Risk Terrain Modeling for Allocating Police Resources in New York City*
- 2013 - 2015** **Co-Principal Investigator: National Institute of Justice, Testing Geospatial Police Strategies and Exploring their Relationship to Criminological Theories [2012-IJ-CX-0038] (\$499,633)**
- *A Multi-Jurisdictional Test of Risk Terrain Modeling and a Place-Based Evaluation of Environmental Risk-Based Patrol Deployment Strategies*
- 2011 - 2013** **Co-Principal Investigator (for Newark Police Department): National Institute of Justice, Research on Policing [2010-IJ-CX-0026] (\$188,620)**
- *Detection of Crime, Resource Deployment, and Predictors of Success: A Multi-Level Analysis of CCTV in Newark, NJ*
- 2010** **Association of Doctoral Programs in Criminology & Criminal Justice Dissertation Award (\$3,000)**
- *Project Title: Identifying the Best Context for CCTV Camera Deployment: An Analysis of Micro-Level Features*

TEACHING EXPERIENCE**

▪ **University Courses**

- 2022-Present** **Northeastern University**
- Classes Taught: Crime Prevention (UG); Evidence-Based Crime Policy (G); Foundations of Crime Analysis and Mapping (G)
- Classes Developed: Foundations of Crime Analysis and Mapping (G)
- 2013 - 2022** **John Jay College of Criminal Justice**
- Classes Taught: Capstone Seminar for BS in Criminal Justice (UG); Communities & Crime (UG); Crime Mapping (G); Crime Control & Prevention (UG); Criminal Justice Theory in Practice (UG); Research Methods and Statistics for Criminal Justice (UG); Survey of Criminal Justice Process and Policy: I & II (G)
- Classes Developed: Evidence-Based and Problem-Oriented Policing (UG); Communities & Crime (UG)
- 2012 - 2013** **Rutgers University, School of Criminal Justice**
- Classes Taught: Data Analysis in Criminal Justice (UG)
- Training Seminars Taught: GIS Mapping for Public Safety; Targeting Violent Crime Initiative Spatial Analysis Course (Organized by the NJ Attorney's Office); Risk Terrain Modeling Workshop (Online Course; Teaching Assistant)
- 2005 - 2009** **Rutgers University, School of Criminal Justice**

**UG=Undergraduate Course; G=Graduate Course

- Classes Taught: Contemporary Problems in Policing (UG); Data Analysis in Criminal Justice (UG); Police and the Community (UG); Police Problem Solving (UG)

▪ **Professional Training Seminars**

2018 - 2022

New York State Division of Criminal Justice Services

- Training Seminars Taught: ArcGIS Pro for Crime Analysis (Albany, NY (x2); Rochester, NY; Suffolk County, NY; Online (x4))

2020 - 2022

John Jay College of Criminal Justice

- Training Seminars Taught: ArcGIS Pro for Crime Analysis (Online (x2))

2012 - 2013

Rutgers University, School of Criminal Justice

- Training Seminars Taught: GIS Mapping for Public Safety; Targeting Violent Crime Initiative Spatial Analysis Course (Organized by the NJ Attorney's Office)

2010 – 2019

International Association of Crime Analysts

- Training Seminars Taught: Crime Mapping and Analysis (Albany, NY; College Park, MD; Landover, MD; Newark, NJ; New York City, NY(x3); Romeoville, IL)

AWARDS AND HONORS

2022

Ranked as the 6th most influential scholar in crime prevention research

Hsu et al., *International Journal of Environmental Research and Public Health*, 2022, 19, 1-20; <https://doi.org/10.3390/ijerph191710616>

2021

John Jay College Scholarly Excellence Award

-Award Recipient: annual award given to select faculty members for outstanding scholarly contribution in the preceding three years

2021

Diverse: Issues in Higher Education Emerging Scholars

-Award recipient: annual recognition of an interdisciplinary group of minority scholars who are “changing our institutions and higher education for the better”

2017

American Society of Criminology Division of Policing Early Career Award

-Award recipient: annual award recognizing outstanding scholarly contributions to the field of policing by someone who has received his or her Ph.D. degree within the last five years.

2016

John Jay College Scholarly Excellence Award

-Award Recipient: annual award given to select faculty members for outstanding scholarly contribution in the preceding three years

2015

John Jay College Donal E. McNamara Award

-Award Recipient: annual award given to a junior faculty member for outstanding scholarly contribution in the preceding two years to the fields of criminal justice or criminology.

2010

Newark Police Department Civilian Award

-Civilian Award Recipient: annual award issued during Police Week in recognition of the service and dedication of a civilian member of the police department

2003-2004

Rutgers University: Ronald E. McNair Post-Baccalaureate Achievement Program Scholar

SELECT INVITED ADDRESSES

2024

Carolinas Crime Analysis Association, annual conference: Charleston, SC

Keynote Address: ArcGIS Pro Master Class

- 2023 Massachusetts Association of Crime Analysts, annual conference: Plymouth, MA**
Presentation: How to Measure the Effect of Technology on Crime: An Applied Example of ShotSpotter in Kansas City, MO
- 2023 New York State Division of Criminal Justice Services, Symposium on Evidence-Based Public Safety: Albany, NY**
Presentation: Measuring Police Activity in a Low-Visibility Profession: Using Body-Worn Camera Video to Measure Police-Citizen Interactions During Use of Force Events
- 2023 National Institute of Justice, National Research Conference: Washington, DC**
Presentation: The Impact of Gunshot Detection Technology on Gun Violence in Chicago and Kansas City. A Multi-Pronged Evaluation
- 2023 Practicum for Partnership-Based Violence Reduction: Boston, MA**
Presentation: Place-Based Problem Solving for Crime Prevention: The Current Evidence and Important Next Steps.
- 2022 Northeastern University, College of Social Sciences and Humanities, Faculty Works In-Progress Colloquium Series: Boston, MA**
Presentation: Video Data Analysis of Body-Worn Camera Footage: A Practical Methodology in Support of Police Reform
- 2021 American Society for Public Administration, Section on Emergency and Crisis Management: Police Violence, Crises, and Trust in Government Actors in Times of Emergency and Disaster**
Panel Discussant
 Co-Discussants: Tami Abdollah (USA Today), Curtis Brown (Virginia Department of Emergency Management)
- 2021 New York City Police Department Office of Strategic Initiatives, Research Committee Meeting**
Keynote Address: Officer Tactics in Crime Hot Spots. Adding “What” to the Question of “Where”
- 2021 State of New York Division of Criminal Justice Services, Law Enforcement Webinar Series**
Presentation: Producing an Operational Hot Spot Map
 Co-Presenter: Andrea Vey
- 2020 Konrad Adenauer Stiftung and Universidad Federal do Ceara, Seminar on Evidence-Based Public Policies in the Brazilian Criminal Justice System: Building Bridges between Universities, Police, Courts, and Public Administrations.**
Plenary Session: Evidence-Based Policing. Research, Practice, and Bridging the Great Divide
- 2020 The Institute for Global City Policing Dealing with Violence Conference: London, England, UK**
Plenary Session: Preventing Violence by Contextualizing High-Crime Places. Leveraging Modern Tools to Solve Modern Problems
- 2019 TrygghetNU (Safety Now) Conference: Stockholm, Sweden**
Keynote Address: CCTV Surveillance for Crime Prevention. A 40-Year Systematic Review with Meta-Analysis
 Co-Presenters: Brandon C. Welsh, David P. Farrington & Amanda L. Thomas
- 2019 State of New York Division of Criminal Justice Services, Data-Driven Decision Making Symposium: Albany, NY**
Plenary Session: Identifying Micro-Level Crime Hot Spots Using ArcGIS Pro: Applied Tools for Crime Analysts

- 2018 Swedish National Council for Crime Prevention Annual Conference: Orebro, Sweden**
Keynote Address: The Effectiveness of CCTV for Crime Prevention. Implications for Public Policy
- 2018 State of New York Division of Criminal Justice Services, Data-Driven Decision Making Symposium: Albany, NY**
Plenary Session: How to Improve Police-Led Science. Crime Analysts as the missing link
- 2017 Newark Downtown District Public Safety Board Meeting: Newark, NJ**
Presentation: An Evaluation of the Downtown Newark Community Resource Center
 Co-Presenters: Shun Q. Feng & Nathan T. Connealy
- 2017 Crime & Justice Research Alliance and Consortium of Social Science Associations: Congressional "Ask a Criminologist" Series. New Police Technologies: Washington, DC**
Panel Discussant
 Co-Discussants: Nancy La Vigne, Cynthia Lum, & Eddie Reyes.
- 2017 Trygghetskamerans dag 2017 (2017 Security Camera and Public Safety Day) Conference: Stockholm, Sweden**
Keynote Address: Does CCTV Prevent Crime? Simple Questions, Complex Answers, and Implications for Public Policy
- 2016 Uruguay National Police Scholarship Program: New York City, NY**
Presentation: Crime Hot Spots, Generators, and Attractors: The Role of Investigators in Place-Based Policing
- 2015 Fayetteville Police Department, Office of the Chief of Police: Fayetteville, NC**
Presentation: Precinct-Specific Crime Forecasting for Focused Policing
- 2015 Rutgers University School of Criminal Justice, 40th Anniversary Symposium: Newark, NJ**
Panel Discussion: The Future of Evidence-Based Crime Policy
- 2014 State of New York Division of Criminal Justice Services, Gun Involved Violence Elimination Symposium: Saratoga Springs, NY**
Presentation: Risk Terrain Modeling and Hot Spots Policing
 Co-Presenters: Joel M. Caplan & Leslie W. Kennedy
- 2014 Carabineros de Chile (The National Police Force of Chile), International Summit on Crime Analysis: Santiago, Chile**
Plenary Session: Risk Terrain Modeling for Public Safety: Implications and Applications in Contemporary Policing
 Co-Presenters: Leslie W. Kennedy & Joel M. Caplan
- 2013 John Jay College of Criminal Justice, Committee on Graduate and Evening Services' Crime Analysis Symposium: NYC, NY**
Presentation: The Crime Analyst's Role in Designing and Evaluating Police Interventions. A Case Study
- 2012 Chicago Police Department, Office of the Superintendent: Chicago, IL**
Presentation: Risk Analysis, Strategic Policing, and the "Predictive" Use of Spatial Data
- 2011 Toronto Police Service: Online Presentation**
Presentation: Operationalizing and Assessing the Spatial Influence of Environmental Features on Crime
 Co-Presenter: Joel M. Caplan
- 2011 Ontario Crime Analyst Network: Online Presentation**

2009 University of Scranton: Scranton, PA

Presentation: GIS in Law Enforcement. Problem Solving Analysis of the Newark Police Department

SERVICE

▪ **To the Advancement of the Academic Profession**

Journal Manuscript Reviewer:

Journal	Reviews	Journal	Reviews
<i>Aggression and Violent Behavior</i>	1	<i>Journal of Experimental Criminology</i>	9
<i>American Journal of Criminal Justice</i>	1	<i>Journal of Policy Analysis and Management</i>	3
<i>Annals of the American Academy of Political & Social Science</i>	1	<i>Journal of Quantitative Criminology</i>	10
<i>Applied Geography</i>	2	<i>Journal of Research in Crime & Delinquency</i>	16
<i>Asian Journal of Criminology</i>	1	<i>Justice Quarterly</i>	18
<i>Canadian Journal of Criminology & Criminal Justice</i>	1	<i>Justice Evaluation Journal</i>	2
<i>Crime & Delinquency</i>	3	<i>PLOS One</i>	1
<i>Criminology</i>	23	<i>Police Practice & Research</i>	6
<i>Criminology & Public Policy</i>	6	<i>Policing, An International Journal</i>	3
<i>Criminal Justice Review</i>	1	<i>Policing, A Journal of Policy & Practice</i>	3
<i>Crime Science</i>	2	<i>Policing & Society</i>	3
<i>European Journal on Criminal Policy & Research</i>	2	<i>Police Journal</i>	2
<i>Evaluation & Program Planning</i>	1	<i>Police Quarterly</i>	4
<i>International Criminal Justice Review</i>	2	<i>Population and Environment</i>	1
<i>International Criminology</i>	2	<i>Public Administration Review</i>	1
<i>International Journal of Comparative and Applied Criminal Justice</i>	1	<i>Security Journal</i>	1
<i>International Journal of Forecasting</i>	1	<i>Spatial Demography</i>	1
<i>International Journal of Offender Therapy and Comparative Criminology</i>	2	<i>Sociological Methods & Research</i>	1
<i>Journal of Community Psychology</i>	1	<i>Social Science Research</i>	1
<i>Journal of Criminal Justice</i>	19	<i>Victims & Offenders</i>	1
<i>Journal of Crime and Justice</i>	2		

Editorial Board Member:

Criminology: Spring 2021- Present

Journal of Criminal Justice: Summer 2020-Present

Police Practice & Research: Fall 2020-Present

Journal of Research in Crime and Delinquency: Spring 2017-Spring 2023

American Society of Criminology

-Scientific Integrity Committee: Spring 2022-Present

-Division of Policing, Awards Committee Member: Fall 2018

Crime and Justice Research Alliance:

Fall 2015-Present

Subject Matter Expert

-Crime Mapping, Crime Prevention, Evidence-Based Policing, Technology