
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**

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](#))

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](#))

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

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*. DOI: 10.1093/police/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 version](#))

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.

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 (Non-Refereed)**

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. (2023). *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-Ko23.

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

▪ **\$3,730,094 in total**

- 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
- 2022-2023** **Principal Investigator: Bureau of Justice Assistance and Institute for Intergovernmental Research (via the City of Paterson, NJ Police Department) (\$136,033)**
-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); ArcGIS Pro for Crime Analysis and Community Safety (G)
-Classes Developed: ArcGIS Pro for Crime Analysis and Community Safety (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**
- 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)

**UG=Undergraduate Course; G=Graduate Course

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

- 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

Presentation: 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**
Presentation: Analyzing Crime Risk to Guide Crime Prevention
- 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>American Journal of Criminal Justice</i>	1	<i>Journal of Experimental Criminology</i>	8
<i>Annals of the American Academy of Political & Social Science</i>	1	<i>Journal of Policy Analysis and Management</i>	3
<i>Applied Geography</i>	2	<i>Journal of Quantitative Criminology</i>	9

<i>Asian Journal of Criminology</i>	1	<i>Journal of Research in Crime & Delinquency</i>	16
<i>Canadian Journal of Criminology & Criminal Justice</i>	1	<i>Justice Quarterly</i>	18
<i>Crime & Delinquency</i>	3	<i>Justice Evaluation Journal</i>	2
<i>Criminology</i>	22	<i>PLOS One</i>	1
<i>Criminology & Public Policy</i>	6	<i>Police Practice & Research</i>	4
<i>Criminal Justice Review</i>	1	<i>Policing, An International Journal</i>	3
<i>Crime Science</i>	2	<i>Policing, A Journal of Policy & Practice</i>	3
<i>European Journal on Criminal Policy & Research</i>	2	<i>Policing & Society</i>	3
<i>Evaluation & Program Planning</i>	1	<i>Police Journal</i>	2
<i>International Criminal Justice Review</i>	2	<i>Police Quarterly</i>	4
<i>International Criminology</i>	2	<i>Population and Environment</i>	1
<i>International Journal of Comparative and Applied Criminal Justice</i>	1	<i>Public Administration Review</i>	1
<i>International Journal of Forecasting</i>	1	<i>Security Journal</i>	1
<i>International Journal of Offender Therapy and Comparative Criminology</i>	2	<i>Spatial Demography</i>	1
<i>Journal of Community Psychology</i>	1	<i>Sociological Methods & Research</i>	1
<i>Journal of Criminal Justice</i>	18	<i>Social Science Research</i>	1
<i>Journal of Crime and Justice</i>	2	<i>Victims & Offenders</i>	1

London Mayor's Office for Policing and Crime, Body-Worn Camera Research Advisory Board: Spring 2022-Spring 2023

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