

CURRICULUM VITAE

Mitchell L. Doucette, PhD, MS

PROFESSIONAL INFORMATION

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EDUCATION AND TRAINING

<i>Degree/Year</i>	<i>Institution and Field</i>
PhD, 2018	Johns Hopkins Bloomberg School of Public Health, Department of Health Policy and Management <i>Field: Injury and Violence Epidemiology</i>
MS, 2015	University of Massachusetts Amherst, Amherst, MA Department of Health Promotion and Policy <i>Field: Health Policy and Management</i>
BS, 2012	University of Massachusetts Amherst, Amherst, MA Department of Public Health <i>Field: Public Health and Economics</i>

PROFESSIONAL EXPERIENCE

Senior Research Director <i>Leafwell (Remote)</i>	June 2023 – Present
Faculty Associate Department of Health Policy and Management, <i>Johns Hopkins Bloomberg School of Public Health, Baltimore, MD (Remote)</i>	June 2023 – Present
Director of Research Methods, Center for Gun Violence Solutions, Deputy Director, Education and Research Center for Occupational Safety and Health, Assistant Scientist, Department of Health Policy and Management,	January 2021 – May 2023

Johns Hopkins Bloomberg School of Public Health, Baltimore, MD (Remote)

Research Scientist

August 2018 – December 2020

Injury Prevention Center,

Connecticut Children's Medical Center, Hartford, CT

Assistant Professor

August 2018 – December 2021

Department of Health Science,

Eastern Connecticut State University, Willimantic, CT

HONORS AND AWARDS

Awards

Best Paper of the Year Award, 2022
Journal of Urban Health

Best Paper of the Year Award, 2018
American Journal of Public Health

PUBLICATIONS

*^Indicates senior author; *Indicates a mentored student*

Journal Articles

- 36). **^Doucette, M.L.**, Kasabuski, M., Chin, J., Macfarlan, D.L., Fisher, E. Impact of Medical Cannabis Treatment on Healthcare Utilization in Patients with Post-traumatic Stress Disorder: A Retrospective Cohort Study. *Journal of Cannabis Research* (Under Review)
- 35). **^Doucette, M.L.**, Bruce, D., Fisher, E. Discontinuation of Benzodiazepine prescriptions among medical cannabis users living with post-traumatic stress disorder. *Journal of Anxiety Disorder* (Under Review)
- 34). **^Doucette, M.L.**, Chin, J., Hemraj, D. Virtual Care and Medical Cannabis Access: A Geospatial Study of Telehealth's Role in Reducing Socioeconomic Disparities. *Telemedicine and E-health*. (In Press)
- 33). **^Doucette, M.L.**, Hemraj, D., Chin, J., Macfarlan, D.L., Fisher, E. The cost-effectiveness of adjunctive medical cannabis therapy in the treatment of moderate post-traumatic stress disorder. *Clinical Drug Investigation* (In Press)
- 32). Hemraj, D., Casarett, D.J., Macfarlan, D.L., Fisher, E., **^Doucette, M.L.** Use of Medical Cannabis for Pediatric Health Conditions: A Systematic Review of the Recent Literature. E-published December 10th, 2024, *Medical Cannabis & Cannabinoids*

- 31). Boehnke KF, Kruger DJ, Cuttler C, **Doucette ML**, Wilson-Poe AR. Highs and Lows: A Mixed-Methods Analysis of the Impact of Adult Use Legalization on Medical Cannabis Patients. *Journal of Psychoactive Drugs*. 2024;0(0):1-10. doi:10.1080/02791072.2024.2430608
- 30). ^**Doucette ML**, Casarett DJ, Hemraj D, Grelotti DJ, Macfarlan DL, Fisher E. Towards a comprehensive understanding of medical conditions among medical cannabis patients in a large database: A descriptive analysis. *Popul Med*. 2024;6(September)
- 29). **Doucette ML**, Hemraj D, Fisher E, Macfarlan DL. Measuring the Impact of Medical Cannabis Law Adoption on Employer-Sponsored Health Insurance Costs: A Difference-in-Difference Analysis, 2003–2022. *Appl Health Econ Health Policy* [Internet]. 2024 Sep 17 [cited 2024 Sep 18]
- 28). **Doucette, M.L.**, Meyerson N.S., Crifasi, C.K., Wagner, E., Webster, D.W. Firearm injury hospitalizations and handgun purchaser licensing laws: longitudinal evaluation of state-level purchaser licensure requirements on firearm violence, 2000–2016. *Injury Epidemiology*. Published August 23, 2024
- 27). Crifasi CK, Topazian RJ, McCourt AD, Oliphant SN, Zeoli AM, Kennedy KS, Wagner ED, Doucette ML. Firearm Purchaser Licensing Laws and Firearm Deaths among Adolescents and Emerging Adults. *Youth & Society*. Published 8/24/24
- 26). Hemraj, D., Bruce, D., Fisher, E., Macfarlan D.L., ^**Doucette, M.L.** Medical Cannabis Patients under the age of 21 in the United States: Description of Demographics and Conditions from a large patient dataset. *Adolescent Health, Medicine, and Therapeutics*, E-published July 22nd, 2024
- 25). Grasso, D., Raissian, K.M., McGuire, A.B., Necci Dineen, J., ^**Doucette, M.L.** Harms and Benefits Inventory (HBI): Initial Validation of a Novel Assessment of Perceived Harms and Benefits of Firearm Policies and Practices. *Injury Prevention*, 2024, e-published March 22, 2024
- 24.) Necci Dineen, J., **Doucette, M.L.**, Carey, M., Raissian, K.M. Conversation Starters: Understanding the Facilitators and Barriers to Physician-Initiated Secure Firearm Storage Conversations. *Patient Education and Counseling*, e-published Nov 10, 2023
- 23.) **Doucette, M.L.**, Crifasi, C.K., McCourt, A.D., *Ward, J., Fix, R., Webster, D.W. Deregulation of public civilian gun carrying and violent crime: A longitudinal analysis. *Gun Violence Special Issue - Criminology and Public Policy*. E-published September 19, 2023
- 22.) Chirles, T.J., *Hellinger, A., Ehsani, J.P., **Doucette, M.L.**, Rodman, C.P., Bingham, L., Shields, W. Cognitive Biases in Attitudes and Beliefs of Teenagers and Parents towards Practice Driving, Vehicle Choice, and Safety

Technology. (2023). *Journal of the Transportation Research Board*. Published Online August 12, 2023

- 21.) Crifasi, C.K., *Ward, J., McCourt, A.D., Webster, D.W., ^**Doucette, M.L.** The association between firearm laws and shootings by police. (2023) *Injury Epidemiology*, 10 (28),
- 20.) Raissian, K., Dineen, J., **Doucette, M.**, Grasso, D., & Devaney, C. (2023). Missouri Citizen Perceptions: Giving Second Amendment Preservation Legislation a Second Look. *Journal of Law, Medicine & Ethics*, 51(1), 32-52
- 19.) **Doucette, M.L.**, McCourt, A.D., Crifasi, C.K., Webster, D.W. "Authors' Response to "Invited Commentary: Concealed carrying of firearms, public policy, and opportunities for mitigating harm" by Matthay and Kagawa". *American Journal of Epidemiology*, April 14, 2023 (e-published)
- 18.) **Doucette, M.L.**, Surber, S., Bulzacchelli, M.T., *Dal Santo, B., Crifasi, C.K. Nonfatal Violence Involving Days Away From Work Following California's 2017 Workplace Violence Prevention in Health Care Safety Standard. *Am J Public Health*. 2022;112(11):1668-1675. doi:10.2105/AJPH.2022.307029
- 17.) **Doucette, M.L.**, McCourt, A.D., Crifasi, C.K., Webster, D.W. (2023). Impact of changes to concealed carry weapons laws and violent crime, 1980-2019. Feb 24;192(3):342-355, *American Journal of Epidemiology*
- 16.) **Doucette M.L.**, *Ward JA, McCourt AD, Webster D, Crifasi CK. Officer-Involved Shootings and Concealed Carry Weapons Permitting Laws: Analysis of Gun Violence Archive Data, 2014–2020. *J Urban Health*. Published online May 10, 2022. doi:10.1007/s11524-022-00627-5
- 15.) **Doucette, M.L.**, Tucker, A., Auguste, M. E., Gates, J. D., Shapiro, D., Ehsani, J. P., & Borrup, K. T. (2021). Evaluation of motor vehicle crash rates during and after the COVID-19-associated stay-at-home order in Connecticut. *Accident Analysis & Prevention*, 162, 106399
- 14.) **Doucette, M.L.**, Borrup, K.T., Lapidus, G., Whitehill, J.M., McCourt, A., Crifasi, C.K. (2021). Effect of Washington and Colorado's Cannabis Legalization on Death by Suicides. *Preventive Medicine*; Vol. 148, July 2021
- 13.) **Doucette, M.L.**, Green, C., Necci Dineen, J., Shapiro, D., Raissian, K.M. Impact of ShotSpotter Technology on Firearm Homicides and Arrests among Large Metropolitan Counties: A Longitudinal Analysis, 1999-2016. *Journal of Urban Health*; Published online, April 30th 2021
- 12.) **Doucette, M.L.**, Crifasi, C.K. Assessing the Magnitude of Nonworker Deaths During Workplace Homicide Incidents An Epidemiological Analysis Using the National Violent Death Reporting System (NVDRS). *Workplace Health & Safety*; Epub ahead of print, 2020, Nov 12.

- 11). **Doucette, M.L.**, Tucker, A., August, M.E., Watkins, A., Green, C., Pereira, F.E., Borrup, K.T., Shapiro, D., Lapidus, G. Initial Impact of COVID-19's Stay-at-Home Order on Motor Vehicle Traffic and Crash Patterns in Connecticut: An Interrupted Time Series Analysis. *Injury Prevention* Published Online First: 28 October 2020
- 10). **Doucette, M.L.**, *Dayton, H., Borrup, K.T., Lapidus, G., Campbell, B. Firearms, Dementia, and the Clinician: A Review of the available counseling literature. *Journal of American Geriatric Society* (e-published May 1st, 2020)
- 9). **Doucette, M.L.**, Crifasi, C.K., Frattaroli, S. Right-to-Carry laws and Firearm Workplace Homicides: A longitudinal analysis. *American Journal of Public Health*, 109, no. 12 (December 1, 2019): pp. 1747-1753.
- 8). **Doucette, M.L.**, Crifasi, C.K., Bulzacchelli, M.T., Frattaroli, S. Firearm-related Workplace Homicides: Recent trends and Narrative Text Analysis. *Injury Epidemiology*. 2019 6(5): 1-9
- 7). **Doucette, M.L.**, Frattaroli, S., Haring, R. S., Shields, W. S. Storage and Disposal Information for Prescription Opioids: What Does our Medication Tells Us?: Author's Response. *Annals of Internal Medicine*. (Published Online, March 19, 2019)
- 6). **Doucette, M.L.**, Frattaroli, S., Haring, R. S., Shields, W. S. Storage and Disposal Information for Prescription Opioids: What Does our Medication Tells Us? *Annals of Internal Medicine*. 2018 Aug 7; 169(3):198-199
- 5). Whitehill, J.M., Rodriguez-Monguio, R., **Doucette, M.**, Flom, E.A. Driving and riding under the influence of recent marijuana use: Risk factors among a racially diverse sample of young adults. 2018, *Journal of Ethnicity in Substance Abuse*, Feb, 12: 1-9
- 4). Crifasi, C.K., **Doucette, M.L.**, McGinty, E.E., Webster, D.W, Barry, C.L. Storage Practices of U.S. Gun Owners. 2018, *American Journal of Public Health*, Apr; 108(4):532-537
- 3). **Doucette, M.L.**, Frattaroli, S., Vernick, J.S. Oral Fluid Testing for Marijuana Intoxication: Enhancing Objectivity for Roadside DUI Testing. 2017, *Injury Prevention*, Feb; 24(1):78-80
- 2). **Doucette, M.L.**, Bulzacchelli, M.T., Gillum, T.L., Whitehill, J. M. The Massachusetts School Sports Concussions Law: A Qualitative study of Local Implementation Experiences. 2016, *Journal of Law, Medicine, and Ethics*, 44; 503-513
- 1). Gillum, T.L., **Doucette, M.**, Mwanza, M., Munala, L. Exploring Kenyan Women's Perceptions of Intimate Partner Violence. *Journal of interpersonal violence*. 2018 Jul;33(13):2130-2154. Epub 2016 Jan 6.

Written Reports

- 1). Webster D.W., *Tilchin, C.G., **Doucette, M.L.** Estimating the effects of safe streets Baltimore on Gun Violence, 2007-2022. March 2023.
<https://publichealth.jhu.edu/sites/default/files/2023-03/estimating-the-effects-of-safe-streets-baltimore-on-gun-violence-march-2023.pdf>

Articles, Editorials and Other Publications Not Peer Reviewed

- 2). **Doucette, M.L.**, & Webster D.W. The truth about our loose concealed carry laws. *New York Daily News*, September 27th, 2022
(<https://www.nydailynews.com/opinion/ny-oped-the-truth-about-loose-concealed-carry-laws-20220928-crvmmw2ltjckpjzz5jelnhv5qq-story.htm>)
- 1). **Doucette, M.L.**, The pressures on mental health during the coronavirus crisis are series, but help is available. *Hartford Courant* April 3rd, 2020
(<https://www.courant.com/opinion/op-ed/hc-op-doucette-coronavirus-mental-health-disorders-0405-20200405-s5s6ehf42rew7mj4jgyglq72je-story.html>)

Book chapters

- 1). Ben-Michael E, **Doucette ML**, Feller A, McCourt AD, Stuart EA. Statistical methods to estimate the impact of gun policy on gun violence [Internet]. arXiv; 2024 [cited 2024 Oct 22]. Available from: <http://arxiv.org/abs/2404.11506>

PRACTICE ACTIVITIES

Media Dissemination

News Media

- 20.) Science & HealthMedical Marijuana Is ‘A Cost-Effective Adjunctive Therapy’ For PTSD, New Study Shows. *Marijuana Moment*. March 14th, 2025.
<https://www.marijuanamoment.net/medical-marijuana-is-a-cost-effective-adjunctive-therapy-for-ptsd-new-study-shows/>
- 19.) States with relaxed concealed carry laws see spike in violent crime: Studies. *New York Post*. October 7th, 2022. <https://nypost.com/2022/10/05/states-that-weaken-concealed-carry-laws-see-spike-in-violent-crime-studies/>
- 18.) Weaker Concealed Carry laws linked to increase in gun crimes, study shows. *Ohio Capital Journal*. September 27th, 2022.

<https://ohiocapitaljournal.com/2022/09/27/weaker-concealed-carry-laws-linked-to-increase-in-gun-crimes-study-shows/>

- 17.) The Supreme Court's gun ruling sets a disturbing new precedent: Ignoring scientific evidence. Grid News. June 24, 2022.
<https://www.grid.news/story/politics/2022/06/24/the-supreme-courts-gun-ruling-sets-a-disturbing-new-precedent-ignoring-scientific-evidence/>
- 16.) Police shootings rose in Missouri after state relaxed concealed carry restrictions: study. The Kansas City Star. May 12, 2022
<https://www.kansascity.com/news/state/missouri/gun-violence-missouri/article261348137.html>
- 15.) Police shootings rose nearly 13% in 10 states that eased permit-to-carry restrictions. May 17th, 2022. <https://www.yahoo.com/now/police-shootings-rose-nearly-13-180914847.html>
- 14.) Star (TNS) TKC. Study: Police shootings rose in Missouri after state relaxed concealed carry restrictions. STLtoday.com. May 17th, 2022.
https://www.stltoday.com/news/local/crime-and-courts/study-police-shootings-rose-in-missouri-after-state-relaxed-concealed-carry-restrictions/article_30a264eb-9312-59fb-9f88-288f505c1dba.html
- 13.) NPR - WPLN. Nashville police want \$800K for a gunshot alert system. But it's unclear if the technology is effective. March 1st, 2022.
<https://wpln.org/post/nashville-police-want-800k-for-a-gunshot-alert-system-but-its-unclear-if-the-technology-is-effective/>
- 12.) Cleveland.com. Cleveland police say ShotSpotter is helping to reduce gun violence, but critics question its effectiveness. *March, 01, 2022.*
<https://www.cleveland.com/news/2022/03/cleveland-police-say-shotspotter-is-helping-to-reduce-gun-violence-but-critics-question-its-effectiveness.html>
- 11.) The Trace. *In Chicago, Controversy Mounts Over the Use of Gunshot Detection Sensors.* August 27, 2021. <https://www.thetrace.org/2021/08/chicago-police-shotspotter-gunshot-detection-shooting-contract/>
- 10.) The Miami Times. *How Tech Led to a Murder Charge with No Evidence.* August 24, 2021.
https://www.miamitimesonline.com/news/world_national/how-tech-led-to-a-murder-charge-with-no-evidence/article_31eafdae-04ef-11ec-954c-97438876f262.html
- 9.) AP News. *How AI-Powered Tech Landed Man in Jail with Scant Evidence.* August 19, 2021. <https://apnews.com/article/artificial-intelligence-algorithm-technology-police-crime-7e3345485aa668c97606d4b54f9b6220>

- 8). St. Louis Post-Dispatch. *St. Louis technology detects lots of gunfire, but calls often lead to a dead end.* May 31st, 2021. https://www.stltoday.com/news/local/crime-and-courts/st-louis-technology-detects-lots-of-gunfire-but-calls-often-lead-to-a-dead-end/article_882b0aa5-653c-5657-8410-bd8af2997e21.html
- 7). Los Angeles Times. *Workplace Shootings at all too common in California. The latest one fits a pattern.* May 29th, 2021. <https://www.latimes.com/california/story/2021-05-29/workplace-shootings-common-in-california-lone-wolf>
- 6). Advancekids.org. *Single vehicle crashes spike during COVID-19.* November 11, 2020 <https://advancingkids.org/2020/11/13/single-vehicle-crashes-spike-during-covid-19/>
- 5). Hartford Courant. *Researchers found sharp increase in deadly car crashes following Connecticut's early COVID-19 pandemic restrictions.* November 11, 2020. <https://www.courant.com/breaking-news/hc-br-early-covid-restrictions-deadly-car-crashes-20201111-t6ccpqjtlvbf3noqjgxvl7n3fy-story.html>
- 4). USA Today. *A husband, father, intern on his first day: How an Illinois city is remembering workplace shooting one year on.* February 17, 2020 <https://www.usatoday.com/story/news/nation/2020/02/15/shooting-aurora-illinois-city-remembers-mass-killing-victims/4740174002/>
- 3). Connecticut Public Radio. *Right-to-Carry States See More Fatal Workplace Shootings.* November 5, 2019. <https://www.wnpr.org/post/right-carry-states-see-more-fatal-workplace-shootings>
- 2). Connecticut Public Radio. *Study: Some Types of Fatal Workplace Shootings on the Rise.* April 7, 2019. <https://www.wnpr.org/post/study-some-types-fatal-workplace-shootings-rise>
- 1). The Chronicle. *ECSU Professor Participates in Gun-Safety Study.* November 19th, 2018. <https://thechronicle.com/stories/20181119PROFGUN.php>

Television

- 2.) Newsy. *Does predictive policing technology reduce gun-related crime?* July 5th, 2022. <https://www.newsy.com/stories/does-shotspotter-reduce-gun-crimes/>
- 1.) abc10. *Questions remain over controversial gunshot detection system used by Sacramento law enforcement.* October 7th, 2021. <https://www.abc10.com/article/news/local/sacramento/questions-gunshot-detection-system-sacramento/103-1c3269ac-f127-44c1-8183-881a127065ae>

Radio, Social Media, Podcasts, Blog Posts, Videos

- 3). Detroit Today with Stephen Henderson. *Should Detroit spend ARPA funds to expand ShotSpotter in the city?* September 29, 2022.
<https://wdet.org/2022/09/29/should-detroit-spend-arpa-funds-to-expand-shotspotter-in-the-city/>
- 2). Radio Health Journal Podcast: Feature Segment. *Covid and Crashes: February 14th – February 20, 2021*. February 14th, 2021.
<https://radiohealthjournal.org/2021/02/14/covid-and-crashes/>
- 1). BMC Blog Network- On Health. *What does the data tell us about trends in workplace homicides?* March 19, 2019. <https://blogs.biomedcentral.com/on-health/2019/03/19/data-tell-us-trends-workplace-homicides/>

PROFESSIONAL ACTIVITIES

Society Membership and Leadership

Connecticut Public Health Association	2018 - 2023
Society for Advancement of Violence and Injury Research	2017 - 2024
American Public Health Association	2015 - Present
Member, Scientific Program Committee, Injury Control and Emergency Health Science Section	
Honors and Awards, Chair	2016 - 2017
Student Coordinating Committee	
Johns Hopkins Bloomberg School of Public Health	

Scientific Meeting Abstract Review

American Public Health Association Annual Meeting	2022
American Public Health Association Annual Meeting	2021
American Public Health Association Annual Meeting	2020
American Public Health Association Annual Meeting	2019
Society for the Advancement of Violence and Injury Research	2019

Scientific Meeting Session Moderation

American Public Health Association	2021
Innovations in Injury Research Methods, Session ID 4030.0	
Suicide & Violence Prevention, Session ID PS101.20	

American Public Health Association 2020
Firearm Violence: Policy and Prevention, Session 3123.0

Participation on Advisory Panels and Boards

Communications, Chair 2019-2021
Board of Directors
Connecticut Public Health Association

EDITORIAL AND OTHER PEER REVIEW ACTIVITIES

Journal Peer Review Activities

Injury Epidemiology
Injury Prevention
PLOS ONE
Journal of Pediatric Surgery
Pain Medicine
Journal of Developmental & Behavioral Pediatrics
The American Journal of Drug and Alcohol Abuse
Journal of Ethnicity in Substance Abuse
The American Journal of Drug and Alcohol Abuse
American Journal of Public health
Accident Analysis and Prevention
Police Quarterly
Suicide and Life-Threatening Behavior
Violence and Gender
American Journal of Preventive Medicine
American Journal of Industrial Medicine

Journal or Other Editorial Board Membership

Injury Epidemiology August 2019-Current

RESEARCH GRANT PARTICIPATON

Previous Projects

“Estimating the impact of changes to permit-to-purchase handgun laws on non-fatal firearm violence using inpatient hospitalization data, 2000-2016”

January 1, 2023 – December 31, 2023: National Collaborative on Gun Violence Research

Principal Investigators: **Doucette, ML**

Funding amount: **\$82,500**

This project will examine the impact of changes to PTP handgun laws to non-fatal firearm violence using inpatient hospitalization data provided by RAND’s HCUP database. Project will use doubly robust difference-in-difference and synthetic control method to understand the average treatment effect on the treated related to PTP adoption and repeal.

Role: PI

Effort: 20%

“Examining Lifetime Firearm Exposure: Person-Centered Latent Class Analysis to Explore Behaviors and Attitudes of Unique Profiles of Gun Owners”

January 1, 2023 – December 31, 2023: National Collaborative on Gun Violence Research

Principal Investigators: **Doucette, ML**

Funding amount: **\$118,986**

This project will use survey data and latent class analysis to understand how different firearm exposures predicts ownership types and firearm behaviors.

Role: PI

Effort: 10%

“Understanding the Impacts and Perceptions of Missouri’s Second Amendment Preservation Act”

July 1, 2022 – June 30, 2024: Missouri Foundation for Health

Principal Investigators: Crifasi, CK

Funding amount: **\$291,502**

This project will examine the Second Amendment Preservation Act (SAPA) passed in Missouri. We will conduct qualitative interviews with key informants related to the implementation SAPA law in addition to legal epidemiology. We will seek to understand how law enforcement officers understand and internalize the law.

Role: CO-I

Effort: 10%

“Estimating the Effects of Handgun Purchaser Licensing and Right to Carry Laws on Arrests, Incarceration, and Racial Disparities”

January 1, 2022 – December 31, 2023: Joyce Foundation

Principal Investigators: Webster, DW

Funding amount: **\$325,000**

This project will examine the impact of handgun purchaser licensing laws and right to carry laws on various outcomes using traditional econometric analyses as well as advanced causal methodologies such as synthetic control modeling and augmented synthetic control

modeling. This project uses data from the FBI's Uniform Crime Reports to understand how laws may exacerbate existing racial disparities around arrests.

Role: CO-I

Effort: 15%

“The Role of Permit-to-Purchase in the Primary Prevention of Multiple Forms of Violence:

October 1, 2021 – September 31, 2024: Centers for Disease Control

Principal Investigator: Crifasi, CK

Funding Amount: **\$1,049,998**

This project seeks to examine the impact of permit-to-purchase laws on youth homicides and intimate partner violence using multiple data sources and quasi-experimental methods. Methodologies include doubly robust difference-in-difference and synthetic difference-in-difference.

Role: CO- I

Effort: 33%

“The Harms and Benefits Inventory (HBI): Development of a validated survey-based measure to understand the impact of policy on gun users among Missourian Gun Owners”

October 15, 2021 – March 30, 2023: Missouri Foundation for Health

Principal Investigators: **Doucette, ML**

Funding amount: **\$164,500**

This project is an extension of the NCGVR funded study and aims to apply the validated HBI inventory to specifically Missourian Gun owners. Results will produce estimates of harms and benefits related to policy as well as a comparison of harms and benefits across similar and disparate policy landscapes.

Role: PI

Effort: 10%

“The Harms and Benefits Inventory (HBI): Development of a validated survey-based measure to understand the impact of policy on gun users”

August 1, 2021 – December 31, 2022: National Collaborative on Gun Violence Research (NCGVR)

Principal Investigators: **Doucette, ML**

Funding amount: **\$225,000**

This project will use results from a national survey of gun owners and non-gun owners to create and validate an inventory of questions to measure the perceived harms and benefits of policy.

Role: PI

Effort: 13%

“Using Interviews to Learn What Physicians Can Tell Us about Firearm Safety Counseling in Primary Care Settings.”

September 1, 2020 – August 30, 2021, University of Connecticut, Institute for Collaboration on Health, Intervention, and Policy (InCHIP).

Principal Investigators: Campbell, BT, Dineen, JN, **Doucette, ML**, Raissian, K.

Funding amount: **\$15,000**

This project seeks to identify, from a theory-based perspective, the barriers and facilitating factors related to safe firearm storage counseling by general practitioners across the United States.

Role: CO-PI

Effort: In-kind

“Assessment of Non-worker deaths in Workplace Homicides: Analysis using NVDRS National Data”

July 1, 2019 – June 30, 2020, American Public Health Association and the National Violent Death Reporting System, New Investigator Award

Principle Investigator: Doucette, ML

Funding amount: \$7,500

This project sought to fill a gap in the knowledge base around workplace homicides using the National Violent Death Reporting System

Role: PI

Effort: 7%

“Firearms and Dementia: How do families mitigate injury risk?”

June 1, 2019 – May 31, 2020, Board of Regents, Research Grant, Eastern Connecticut State University

Principle Investigator: Doucette, ML.

Funding amount: \$3,400

This project sought to understand how families of firearm owners with dementia view and mitigate injury risks associated with firearm access.

Role: PI

Effort: 3%

“Measuring the Effect of Parking Lot Laws on Workplace Homicides: A Longitudinal Analysis”

June 1, 2017 – May 31, 2018, The Johns Hopkins Education and Research Center for Occupational Safety and Health, Pilot Project Research Training

Principle Investigator: Frattaroli, S (Faculty Advisor), Doucette, ML (Student)

Funding Amount: \$4,000

This project sought to investigate the impact of firearm laws, specifically Parking Lot Laws, on workplace homicides from a longitudinal perspective.

Role: PhD Dissertation Funding

ACADEMIC SERVICE

Chair, Search Committee for Tenure-Track, Assistant Professor, 2020-2021

Department of Health Sciences

Eastern Connecticut State University

Chair, Search Committee for Tenure-Track, Assistant Professor, 2019-2020

Department of Health Sciences

Eastern Connecticut State University

PRESENTATIONS

Scientific Meetings, Webinars, and Workshops

32) **Doucette, M.L.** Medical Cannabis Evaluated: A Large Patient Registry Examination of Efficacy and Healthcare, Cannabis Regulator's Association. March 2024 (*Oral Presentation*)

31) **Doucette, M.L.** Impact of medicinal cannabis initiation on PTSD among large patient registry. Connecticut Cannabis Exposition. February 2024 (*Oral Presentation*)

30) **Doucette, M.L.**, Meyerson, N., Webster, D.W. Firearm hospitalizations and permit-to-purchase laws: Longitudinal evaluation of state-level firearm licensure requirement on firearm violence. National Research Conference for the Prevention of Firearm Related-Harms, November 2023 (*Oral Presentation*)

29) Grasso, D.J., Necci-Dineen, J., Raissian, K.M., & **Doucette, M.L.** Lifetime history of firearm and violence exposure and attitudes and behaviors regarding safe storage and open carry: A person-centered analysis. National Research Conference for the Prevention of Firearm Related-Harms, November 2023 (*Oral Presentation*)

28) Meyerson, N., Crifasi, C.K., **Doucette, M.L.** The impact of permit-to-purchase laws on types of firearms used in youth firearm suicide. National Research Conference for the Prevention of Firearm Related-Harms, November 2023 (*Oral Presentation*)

27) **Doucette, M.L.**, Webster, D.W., Crifasi, C.K., Johnson, O., McCourt, A.D. Assessing the relationship between permit-to-purchase law changes and weapons arrest rates: A longitudinal study from 1981-2019. National Research Conference for the Prevention of Firearm Related-Harms, November 2023 (*Oral Presentation*)

26) Wagner, L., **Doucette, M.L.**, Crifasi, C.K. The impact of Permit-to-Purchase laws on juvenile weapons arrest rates stratified by race and sex. National Research

Conference for the Prevention of Firearm Related-Harms, November 2023 (*Poster Presentation*)

- 25) **Doucette, M.L.**, Hemraj, D., Casarett, D., Bruce, D., Fisher, E., MacFarlan, L. Impact of medicinal cannabis initiation on post-traumatic stress disorder among a large patient registry. Center for Medicinal Cannabis & Cannabinoid Science, 2023 (*Poster Presentation*)
- 24) **Doucette, M.L.**, Fernandes, G., Hemraj, D., Casarett, D., Bruce, D., MacFarlan, L. Patient-reported health conditions and symptom severity among medical cannabis users in the U.S. Cannabis Science Conference, Fall 2023 (*Poster Presentation*)
- 23) Cognitive Biases in Attitudes and Beliefs of Teenagers and Parents towards Practice Driving, Vehicle Choice, and Safety Technology. Transportation Research Board Annual Meeting. January 2023 (*Oral Presentation*)
- 22) Chirles, T.J., Hellinger, A., Ehsani, J.P., **Doucette, M.L.**, Rodman, C.P., Bingham, L., Shields, W. Cognitive Biases in Attitudes and Beliefs of Teenagers and Parents towards Practice Driving, Vehicle Choice, and Safety Technology. Transportation Research Board Annual Meeting. January 2023 (*Oral Presentation*)
- 21) Necci-Dineen, J., Grasso, D.J., McGuire, A., Raissian, K.M., & **Doucette, M.L.** The Harms and Benefits Inventory (HBI): Development of a validated survey-based measure to understand the impact of policy on gun users. The Ethics, Law, and Social Science of Self-Defense and Firearms, Manchester, NH. November, 2022 (*Oral Presentation*)
- 20) Necci-Dineen, J., Grasso, D.J., McGuire, A., Raissian, K.M., & **Doucette, M.L.** The Harms and Benefits Inventory (HBI): Development of a validated survey-based measure to understand the impact of policy on gun users. The 2022 National Conference on Gun Violence Prevention, Washington, DC. November, 2022 (*Poster Presentation*)
- 19) Crifasi, C.K., Topazian, R., McCourt, A.D., **Doucette, M.L.**, & Webster, D.W. Permit-to-Purchase Laws and Firearm Deaths among Adolescents and Emerging Adults. The 2022 National Conference on Gun Violence Prevention, Washington, DC. November, 2022 (*Oral Presentation*)
- 18) Oliphant, S., Zeoli, A.M., **Doucette, M.L.**, & Crifasi, C.K. The association of permit-to-purchase laws with intimate partner homicide. The 2022 National Conference on Gun Violence Prevention, Washington, DC. November, 2022 (*Flash Science*)
- 17) Tilchin, C., **Doucette, M.L.**, & Webster, DW. Augmented synthetic control methods demonstrate overall effectiveness of a Cure Violence intervention in Baltimore City, Maryland. The 2022 National Conference on Gun Violence Prevention, Washington, DC. November, 2022 (*Poster Presentation*)

- 16) **Doucette, M.L.**, Ward, J., Crifasi, C.K., McCourt, A., Webster, D. Deregulation of public civilian gun carrying and violent crime: A longitudinal analysis. The 2022 National Conference on Gun Violence Prevention, Washington, DC. November, 2022 (*Oral Presentation*)
- 15) **Doucette, M.L.**, Ward, J., Crifasi, C.K., McCourt, A., Webster, D. Officer-involved Shootings and Concealed Carry Weapons Permitting Laws: Analysis of Gun Violence Archive Data, 2014-2020. American Public Health Association Annual Meeting, 2021. Denver, CO, November 2021 (*Oral Presentation*)
- 14) Ward, J., **Doucette, M.L.**, Webster, D., Crifasi, CK. Fatal and Nonfatal Officer Involved Shootings, 2014-2020. American Public Health Association Annual Meeting, 2021. Denver, CO, November 2021 (*Oral Presentation*)
- 13) McCourt, A., **Doucette, M.L.**, Ward, J., Crifasi, C.K., Webster, D. Changes to the Legal Landscape for Civilian Gun Carrying and Impacts on Homicide. American Public Health Association Annual Meeting, 2021. Denver, CO, November 2021 (*Oral Presentation*)
- 12) **Doucette, M.L.**, Crifasi, C.K., Impact of California's Workplace Violence Prevention Regulation in Healthcare on Non-fatal Violence involving Days away from Work. American Public Health Association Annual Meeting, 2021. Denver, CO, November 2021 (*Oral Presentation*)
- 11) **Doucette, M.L.**, Borrup, K. T., Lapidus, G. Evaluating the Effect of Washington and Colorado's Cannabis Legalization on Death by Suicide. Society for the Advancement of Violence and Injury Research Annual Conference, Philadelphia, PA, April 26th-28th, 2020 (*Oral Presentation*)
- 10) **Doucette, M.L.**, Dayton, H., Campbell, B., Borrup, K. T., Lapidus, G. Firearms, dementia, and the clinician: A review of available counseling recommendations. American Public Health Association 2019 National Conference. November 3rd-6th, 2020, Philadelphia, PA (*Poster Presentation*)
- 9) **Doucette, M.L.**, Borrup, K. T., Lapidus, G. Evaluating the Effect of Washington and Colorado's Cannabis Legalization on Death by Suicide: Implications for Connecticut. Connecticut Public Health Association 2019 Conference. October 21, 2019, Southington, CT (*Oral Presentation*)
- 8) **Doucette, M.L.**, Dayton, H., Campbell, B., Borrup, K. T., Lapidus, G. Firearms, dementia, and the clinician: A review of available counseling recommendations. Connecticut State Colleges and Universities 2019 Faculty Research and Creative Activity Conference, March 23, 2019, New Haven, CT, USA (*Poster Presentation*)
- 7) Ehsani, J.P., **Doucette, M.**, Kinnear, N., Chirles, T., Rodman, C., Seymour, K. Developing an experimental task to identify neurophysiological correlates of hazard detection: A novel application of SHRP2 naturalistic driving videos. Seventh

International Symposium on Naturalistic Driving Research. August 1, 2018
Blacksburg, VA, USA. (*Poster Presentation*)

- 6) Crifasi, C., **Doucette, M. L.**, Webster D., McGinty, B. Storage Practices of U.S. Gun Owners. American Public Health Association Annual Meeting Proceedings, November, 2017, Atlanta, GA, USA. (*Oral Presentation*)
- 5) **Doucette, M. L.**, Frattaroli, S., Bulzacchelli, M., T., Pollack, K. How do we protect out workers from firearm violence? A systematic review. American Public Health Association Annual Meeting Proceedings, November, 2017, Atlanta, GA, USA. (*Poster Presentation*)
- 4) **Doucette, M. L.**, Crifasi, C., Frattaroli, S. Measuring the effect of changes in Parking Lot Laws on Workplace firearm Homicides: A longitudinal analysis. American Public Health Association Annual Meeting Proceedings, November, 2017, Atlanta, GA, USA (*Poster Presentation*)
- 3) **Doucette, M. L.**, Frattaroli, S. Dispossessing firearms from domestic violence perpetrators: Does it matter for workplace intimate partner homicides? Society for the Advance of Injury and Violence Research—6th National conference, September, 2017, Ann Arbor, MI, USA. (*Poster Presentation*)
- 2) Whitehill, J.M., Rodriguez-Monuio, R., **Doucette, M.L.**, Flom, E. Driving and riding after recent marijuana use: Prevalence and risk factors among a diverse sample of young adults. Poster Presentation – American Public Health Association Annual Meeting Proceedings, November, 2016, Denver, CO, USA. (*Poster Presentation*)
- 1) **Doucette, M. L.**, Bulzacchelli T. M., Gillum, L. T., Whitehill, M. J. Local Implementation of a Massachusetts Regulation Governing Head Injuries in High School Athletics: A Multiple-Case Study. American Public Health Association Annual Meeting Proceedings, November, 2015, Chicago, IL, USA (*Oral Presentation*)

Invited Seminars

- Augmented Synthetic Control Method: Causal estimation for policy analysis. Johns Hopkins Advocacy Meeting. July 27th, 2022.
- Officer-involved Shootings and Concealed Carry Weapons Permitting Laws: Analysis of Gun Violence Archive Data, 2014-2020. Joyce Foundation, Fall 2021 Lunch and Learn Seminar Series, October 28th, 2021
- Fatal Workplace Violence in the United States. Johns Hopkins Bloomberg School of Public Health, Injury Research Seminar Occupational Health, April 19th, 2021
- Firearm Violence: Mortality and Morbidity in times of COVID-19. Petit Fellow in Injury and Violence Prevention Lecture Series, Connecticut Children's Medical Center, Injury Prevention Center, October 9th, 2020

- Morbidity and Mortality of United States Firearm Violence. Petit Fellow in Injury and Violence Prevention Lecture Series, Connecticut Children's Medical Center, Injury Prevention Center, June 24th, 2020
- Synthetic Control Modeling for State Policy Analysis: Uses for Injury and Violence Research. Connecticut Children's Medical Center, Injury Prevention Center, April 1st, 2020
- Firearm violence in the workplace: Current state and New Findings; Johns Hopkins Bloomberg School of Public Health, Injury Research Seminar in Occupational Health, March 23rd, 2020
- Firearm violence in the workplace: Current state and New Findings; Gun Violence Research Group, UCONN School of Public Policy & Connecticut Children's Medical Center, Feb 28th, 2020
- Road-side detection of cannabis impairment: Current issues and potential solutions. Impaired Driving Task Force; Connecticut Department of Transportation, November 7th, 2018
- Right-to-Carry laws and Workplace homicides: The Role of Firearm Exposure. Departmental Research Seminar; Eastern Connecticut State University; November 5th, 2018
- Firearm storage habits among US Gun owners. The Connecticut Injury Prevention Center Research Seminar, Connecticut Children's Medical Center; *October 3rd, 2018*
- Occupational Homicides: Current trends and analysis. The Connecticut Injury Prevention Center Research Seminar, Connecticut Children's Medical Center; *August 27th, 2018*
- Firearm-related Homicides at Work: Current research and Policy Implications. The Johns Hopkins' Graduate Seminar in Injury Research and Policy: Occupational Health and Safety; *November 20th, 2017*
- Oral Fluid Testing for Marijuana Intoxication: Enhancing Objectivity for Roadside DUI Testing. The Johns Hopkins' Graduate Seminar in Injury Research and Policy: Current Issues in Driving Policy and Research; *February, 20th 2017*

TEACHING

<i>Academic Advisees</i>	Degree	Graduation Date	Institution
Kathryn Irmeler	Master of Public Health	Spring 2022	Johns Hopkins Bloomberg School of Public Health
Bailee Columber	Bachelor of Science	Spring 2023 (exp)	Eastern Connecticut State University (ESCU)
Angie Correa	Bachelor of Science	Spring 2023 (exp)	ESCU
Ariel Daniel	Bachelor of Science	Spring 2023 (exp)	ESCU
Nayeli Davis	Bachelor of Science	Spring 2023 (exp)	ESCU
Sharmaine Donaldson	Bachelor of Science	Spring 2023 (exp)	ESCU
A-Shira Douglas	Bachelor of Science	Spring 2023 (exp)	ESCU
Christopher Dube	Bachelor of Science	Spring 2023 (exp)	ESCU
Garrett Dumore	Bachelor of Science	Spring 2023 (exp)	ESCU
Lindsay Fishman	Bachelor of Science	Spring 2023 (exp)	ESCU
Gabrielle Hemmavanh	Bachelor of Science	Spring 2023 (exp)	ESCU
Olivia Chaisson	Bachelor of Science	Spring 2022 (exp)	ESCU
Martha Chatman	Bachelor of Science	Spring 2022 (exp)	ESCU
Jessica Cirivello	Bachelor of Science	Spring 2022 (exp)	ESCU
Emily Culbert	Bachelor of Science	Spring 2022 (exp)	ESCU
Haley Montesanto	Bachelor of Science	Spring 2022 (exp)	ESCU
Alexandra Sleboda	Bachelor of Science	Spring 2022 (exp)	ESCU
Morgan Bolduk	Bachelor of Science	Spring 2021	ESCU

Noah Burby	Bachelor of Science	Spring 2021	ESCU
Alesha Coppinger	Bachelor of Science	Spring 2021	ESCU
Shayna Robinson	Bachelor of Science	Spring 2021	ESCU
Makayla Wright	Bachelor of Science	Spring 2021	ESCU
Bayan Alomari	Bachelor of Science	Spring 2020	ESCU
Daisy, Garcia-Fonseca	Bachelor of Science	Spring 2020	ESCU
Heather Grisham	Bachelor of Science	Spring 2020	ESCU
Anna Grudzinski	Bachelor of Science	Spring 2020	ESCU
Colleen Mcloughlin	Bachelor of Science	Spring 2020	ESCU
Angellys Morales	Bachelor of Science	Spring 2020	ESCU
Jahdey Wright	Bachelor of Science	Spring 2020	ESCU
Jenna Bard	Bachelor of Science	Spring 2019	ESCU
Holly Decker	Bachelor of Science	Spring 2019	ESCU
Carly Dolan	Bachelor of Science	Spring 2019	ESCU
Alexis LaBella	Bachelor of Science	Spring 2019	ESCU
Tiffany Lazur	Bachelor of Science	Spring 2019	ESCU
Jack Shishmanian	Bachelor of Science	Spring 2019	ESCU

Capstone Advisees

	Degree	Graduation Date	Senior Capstone Title
Kathryn Irmeler	Master of Public Health	Spring 2022	A Comprehensive Review of Publicly Available Employer Toolkits for Opioid Use Disorder Prevention and Recovery

Ricardo Papa	Bachelor of Science	Spring 2021	Safe Injection Sites and HIV/AIDS Infections
Noah Lohman	Bachelor of Science	Spring 2020	Firearms and Dementia: How do Families Mitigate Injury Risk?
Brendan Reynolds	Bachelor of Science	Spring 2020	Discrepancies among Urban and Rural Prehospital Care
Alexander Salamatian	Bachelor of Science	Spring 2020	Predicting U.S. National Suicide Rate using the U.S. Divorce Rate 2014-2017
Ashley Jackson	Bachelor of Science	Spring 2020	Concealed Carry Laws and Homicide Rates in the United States
Kelly Bielanko	Bachelor of Science	Spring 2019	Cultural Experience, Policy and Gentrification: A Public Health Approach to Understanding Substance Abuse in Native American and Native Hawaiian Communities
Harrison Dayton	Bachelor of Science	Spring 2019	Firearms, dementia, and the clinician: A review of available counseling recommendations

Classroom Instruction

Johns Hopkins Bloomberg School of Public Health

Graduate Seminar in Injury Prevention, Section 01, 2021 2nd term; Enrollment, 10 students (2021- 2023)

Eastern Connecticut State University

Epidemiology for Liberal Arts, Section 01 Fall 2020; Enrollment, 24 students

Epidemiology for Liberal Arts, Section 03 Fall 2020; Enrollment, 24 students

Foundations of Health Science, Section 03 Fall 2020; Enrollment, 32 students

Issues of Health Science, Section 03 Spring 2020; Enrollment, 20 students

Epidemiology for Liberal Arts, Section 03 Spring 2020; Enrollment, 24 students
Foundations of Health Science, Section 03 Spring 2020; Enrollment, 32 students
Introduction to Public Health, Section 01, Spring 2020, Enrollment, 24 students
Epidemiology for Liberal Arts, Section 01 Fall 2019 Enrollment, 24 students
Epidemiology for Liberal Arts, Section 03 Fall 2019; Enrollment, 24 students
Foundations of Health Science, Section 03 Fall 2019; Enrollment, 32 students
Introduction to Public Health, Section 01, Fall 2019, Enrollment, 24 students
Issues of Health Science, Section 03 Spring 2019; Enrollment, 20 students
Epidemiology for Liberal Arts, Section 03 Spring 2019; Enrollment, 24 students
Foundations of Health Science, Section 03 Spring 2019; Enrollment, 32 students
Introduction to Public Health, Section 01, Spring 2019, Enrollment, 24 students
Epidemiology for Liberal Arts, Section 01 Fall 2018 Enrollment, 24 students
Epidemiology for Liberal Arts, Section 03 Fall 2018; Enrollment, 24 students
Foundations of Health Science, Section 03 Fall 2018; Enrollment, 32 students
Introduction to Public Health, Section 01, Fall 2018, Enrollment, 24 students