

CURRICULUM VITAE

Maria T. Bulzacchelli

CONTACT INFORMATION

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EDUCATION

Ph.D. 2007, Johns Hopkins Bloomberg School of Public Health, Baltimore, Maryland
Health and Public Policy, Certificate in Injury Control

B.A. 1995, Bowdoin College, Brunswick, Maine
Major: Psychology, Minor: Economics

PROFESSIONAL EXPERIENCE

2017-Present	Assistant Professor, Department of Health Policy and Management, Bloomberg School of Public Health, Johns Hopkins University, Baltimore, Maryland (Joint Appointment)
2016-Present	Assistant Research Professor and Director, Undergraduate Program in Public Health Studies, Krieger School of Arts & Sciences, Johns Hopkins University, Baltimore, Maryland (Primary Appointment)
2007-2016	Assistant Professor, Department of Health Promotion & Policy, School of Public Health & Health Sciences, University of Massachusetts Amherst, Amherst, Massachusetts
2006-2007	Data Analyst, Center for Injury Research and Policy/Center for Gun Policy and Research, Bloomberg School of Public Health, Johns Hopkins University, Baltimore, Maryland
2002-2006	Research Assistant, Center for Injury Research and Policy/Center for Gun Policy and Research, Bloomberg School of Public Health, Johns Hopkins University, Baltimore, Maryland
2001-2006	Teaching Assistant, Department of Health Policy and Management, Bloomberg School of Public Health, Johns Hopkins University, Baltimore, Maryland
1998-2000	Research Assistant, Center for Population and Development Studies, School of Public Health, Harvard University, Boston, Massachusetts
1996-1998	Research Analyst, Clinical Psychopharmacology Unit, Massachusetts General Hospital, Boston, Massachusetts

PUBLICATIONS

Journal Articles (*student at the time of analysis/initial draft)

Gagen TM,* **Bulzacchelli MT**. Improving local service delivery to prevent falls in community-dwelling older adults: translating research to practice. *Gerontologist*. 2021 Aug 13;61(6):819-825. doi: 10.1093/geront/gnaa121.

Doucette ML,* **Bulzacchelli MT**, Frattaroli S, Crifasi CK. Workplace homicides committed by firearm: recent trends and narrative text analysis. *Injury Epidemiology*, 2019 Mar 18;6:5. doi: 10.1186/s40621-019-0184-0. eCollection 2019.

Sulsky SI, **Bulzacchelli MT**, Zhu L, Karlsson L, McKinnon CJ, Hill OT, Kardouni JR. Risk factors for training-related injuries during U.S. Army basic combat training. *Military Medicine*. 2018;183(March/April Suppl.): 55-65.

Doucette ML,* **Bulzacchelli MT**, Gillum TL, Whitehill JM. The Massachusetts school sports concussions law: A qualitative study of local implementation experiences. *Journal of Law, Medicine & Ethics*. 2016;44: 503-513.

Bulzacchelli MT, Sulsky SI, Rodriguez-Monguio R, Karlsson LH, Hill LT. Response to Letter to the Editor: Regarding the Bulzacchelli et al. Article on Injury During U.S. Army Basic Combat Training. *American Journal of Preventive Medicine*. 2015;49(1): e3-5.

Waritu AS,* **Bulzacchelli MT**, Begay ME. Use of fees to fund local public health services in Western Massachusetts. *Journal of Public Health Management and Practice*. 2015;21(2): 167-175.

Sulsky SI, Karlsson LH, **Bulzacchelli MT**, Luippold RS, Rodriguez-Monguio R, Bulathsinhala L, Hill OT. Methodological challenges of using US Army administrative data to identify a cohort of basic combat trainees and descriptive analysis of trends in characteristics that are potential risk factors for training-related injury. *Military Medicine*. 2014;179(12): 1487-1496.

Bulzacchelli MT, Sulsky SI, Rodriguez-Monguio R, Karlsson LH, Hill OT. Injury during U.S. Army basic combat training: A systematic review of risk factor studies. *American Journal of Preventive Medicine*. 2014;47(6): 813-822.

Julius A,* Kane B, **Bulzacchelli MT**, Ryan HDP III. Compliance with the ANSI Z133.1 – 2006 safety standard among arborists in New England. *Journal of Safety Research*. 2014;51: 65-72.

Dhawan G,* Joseph N,* Pekow PS, Rogers CA, Poudel KC, **Bulzacchelli MT**. Malaria-related knowledge and prevention practices in four neighbourhoods in and around Mumbai, India: a cross-sectional study. *Malaria Journal*. 2014;13: 303. DOI: 10.1186/1475-2875-13-303

Webster DW, Vernick JS, **Bulzacchelli MT**, Vittes KA. Temporal association between federal gun laws and the diversion of guns to criminals in Milwaukee. *Journal of Urban Health*. 2012;89: 87-97.

Webster DW, Vernick JS, **Bulzacchelli MT**. Effects of state-level firearm seller accountability policies on firearm trafficking. *Journal of Urban Health*. 2009;86: 525-537.

Gielen AC, McDonald E, Frattaroli S, McKenzie L, Backes B, Glenshaw M, Shields W, **Bulzacchelli MT**, and the CARES -- Children ARE Safe -- Mobile Safety Center Partnership. If you build it, will they come? Using a mobile safety center to disseminate safety information and products to low-income urban families. *Injury Prevention*. 2009;15: 95-99.

Bulzacchelli MT, Gielen AC, Shields WC, McDonald EM, Frattaroli S. Parental safety-related knowledge and practices associated with visiting a mobile safety center in a low-income urban population. *Family and Community Health*. 2009;32 :147-158.

Bulzacchelli MT, Vernick JS, Sorock GS, Webster DW, Lees PSJ. Circumstances of fatal lockout/tagout-related occupational injuries in manufacturing. *American Journal of Industrial Medicine*. 2008;51: 728-734.

Bulzacchelli MT, Vernick JS, Webster DW, Lees PSJ. Effects of the Occupational Safety and Health Administration's control of hazardous energy (lockout/tagout) standard on rates of machinery-related fatal occupational injury. *Injury Prevention*. 2007;13: 334-338.

Vernick JS, Webster DW, **Bulzacchelli MT**, Samia Mair J. Regulation of firearm dealers in the United States: An analysis of state law and opportunities for improvement. *Journal of Law, Medicine and Ethics*. 2006;34: 765-775.

Webster DW, Vernick JS, **Bulzacchelli MT**. Effects of a gun dealer's change in sales practices on the supply of guns to criminals. *Journal of Urban Health*. 2006;83: 778-787.

Webster DW, **Bulzacchelli MT**, Zeoli AM, Vernick JS. Effects of undercover police stings of gun dealers on the supply of new guns to criminals. *Injury Prevention*. 2006;12: 225-230.

Michaud CM, McKenna MT, Begg S, Tomijima N, Majmudar M, **Bulzacchelli MT**, Ebrahim S, Ezzati M, Salomon J, Kreiser J, Hogan M, and Murray CJL. The burden of disease and injury in the United States – 1996. *Population Health Metrics*. 2006;4: 11.

Murray CJL, Kulkarni SC, Michaud C, Tomijima N, **Bulzacchelli MT**, Iandiorio TJ, Ezzati M. Eight Americas: Investigating mortality disparities across races, counties, and race-counties in the United States. *PLoS Medicine*. 2006;3: 1513-1524.

Smoller JW, Acierno JS Jr, Rosenbaum JF, Biederman J, Pollack MH, Meminger S, Pava JA, Chadwick LH, White C, **Bulzacchelli M**, Slaugenhaupt SA. Targeted genome screen of panic disorder and anxiety disorder proneness using homology to murine QTL regions. *American Journal of Medical Genetics*. 2001;105: 195-206.

Book Chapters

Pollack K, **Bulzacchelli M**. Workplace injury and behavior change. In S Kahan, A Gielen, P Fagan, & L Green, Eds. *Health Behavior Change in Populations*. Baltimore, MD: The Johns Hopkins University Press, 2014:315-337.

Hirshfeld DR, Smoller JW, Fredman SJ, **Bulzacchelli MT**, Rosenbaum JF. Early antecedents of panic disorder: Genes, childhood, and the environment. In: Rosenbaum JF, Pollack MH, eds. *Panic Disorder and Its Treatment*. New York: Marcel Dekker, Inc., 1998:93-151.

PRESENTATIONS (*student at the time of analysis; †presenter)

Ramirez R,* † **Bulzacchelli M**. “An Analysis of Forklift Related Fatalities in the United States from 2001 to 2017.” Zoom presentation at the Society for Advancement of Violence and Injury Research 2021 Virtual Conference. April 5-9, 2021. Online.

Bellantoni J, † **Bulzacchelli M**, Whitehill J, McCue L, Dzugan J. “Potential for using mobile apps to deliver safety interventions to commercial fishermen.” Virtual poster presented at the Society for Advancement of Violence and Injury Research 2021 Virtual Conference. April 5-9, 2021. Online.

Bellantoni J,† **Bulzacchelli MT**, Whitehill JM, McCue L, Dzugan J. “Use of Mobile Apps for Commercial Fishing Safety: Opinions of Fishing Vessel Captains.” Virtual poster presented at the 148th Annual Meeting of the American Public Health Association. October 24-28, 2020. Online.

Bulzacchelli MT,† Whitehill JM, Bellantoni J, Rodriguez E, Dzugan J. “Naloxone Training, Naloxone Availability, and Attitudes about Substance Use in the U.S. Commercial Fishing Industry.” Poster presented at the 147th Annual Meeting of the American Public Health Association. November 2-6, 2019. Philadelphia, PA.

Bulzacchelli MT,† Whitehill JM, Bellantoni J, Rodriguez E, Dzugan J, McCue-Weil L. “Acceptability of Mobile Apps for Commercial Fishing Safety: Preliminary Findings.” Poster presented at the Society for Advancement of Violence and Injury Research 2019 Conference. April 1-3, 2019. Cincinnati, OH.

Bulzacchelli MT,† Nelson C, Whitehill JM, McCue-Weil L, Dzugan J. “Evaluating Mobile Apps for Commercial Fishing Safety: Challenges and Methods.” Poster presented at the 5th International Fishing Industry Safety and Health Conference. June 10-13, 2018. St. John’s, Newfoundland and Labrador, Canada.

Foster L,† Henry K, Folda L, **Bulzacchelli M**. “High-Volume Advising: Using Online Learning Management Technology to Increase Efficiency.” Oral presentation given at the 2018 ASPPH Undergraduate Public Health and Global Health Education Summit. March 7, 2018. Arlington, VA.

Whitehill J, **Bulzacchelli M**,† Schumann C, Chiu K. “A review of alcohol-related mobile apps: Prevention vs. promotion of problematic alcohol use and related injury risk.” Oral presentation given at the Society for Advancement of Violence and Injury Research 2017 Conference. September 18-20, 2017. Ann Arbor, MI.

Bulzacchelli MT,† Brandt S, Sulsky SI, Barenberg A, Zhu L, Hill OT, Kardouni JR. “Medical costs of injuries during U.S. Army basic combat training.” Poster presented at the Society for Advancement of Violence and Injury Research 2017 Conference. September 18-20, 2017. Ann Arbor, MI.

Bulzacchelli MT, Brandt S, Sulsky SI, Barenberg A, Zhu L, Hill OT, Kardouni JR.† “Medical costs of injuries during U.S. Army basic combat training.” Oral presentation given at the Military Health System Research Symposium. August 27-30, 2017. Kissimmee, FL.

Sulsky SI,† **Bulzacchelli MT**, Zhu L, Kardouni JR, Hill OT. “For want of a nail: Incomplete data and missing documentation in administrative data hamper medical research.” Poster presented at the Military Health System Research Symposium. August 15-18, 2016. Kissimmee, FL.

Zhu L,† Sulsky SI, **Bulzacchelli MT**, Hill OT, Kardouni JR. “Risk factors for training-related injuries during U.S. Army basic combat training.” Oral presentation given at the Military Health System Research Symposium. August 15-18, 2016. Orlando/Kissimmee, FL.

Doucette M,*† **Bulzacchelli MT**, Gillum T, Whitehill J. “Implementation of the 2010 Massachusetts Act Relative to Safety Regulations for School Athletic Programs: A Multiple-Case Study.” Oral presentation given at the 143rd Annual Meeting of the American Public Health Association. October 31-November 4, 2015. Chicago, IL.

Gagen TM,*† **Bulzacchelli MT**, Jacelon CS. “Improving Local Service Delivery to Prevent Falls in Community-Dwelling Older Americans: A Conceptual Model.” Poster presented at the Healthy Aging Summit. July 27-28, 2015. Washington, DC.

McCue L, **Bulzacchelli M**,† Dzugan J. “Formative evaluation of a mobile application for conducting fishing vessel safety drills.” Oral presentation given at the National Occupational Injury Research Symposium. May 19-21, 2015. Camp Dawson Training Center, Kingwood, WV.

Bulzacchelli MT,† Julius A. “Analysis of OSHA investigation reports of fatalities in the tree care industry.” Oral presentation given at the 142nd Annual Meeting of the American Public Health Association. November 15-19, 2014. New Orleans, LA.

Hosker M,*† Whitcomb BW, McKinnon C, Hill OT, Chasan-Taber L, Balasubramanian R, **Bulzacchelli MT**. “The association between hormonal contraceptive use and anterior cruciate ligament injury among active duty Army servicewomen.” Poster presented at the 47th Annual Meeting of the Society for Epidemiologic Research. June 24-27, 2014. Seattle, WA.

Karlsson L,† Sulsky S, Luippold R, **Bulzacchelli MT**, Rodriguez-Monguió R, Bulathsinhala L, Hill O. “Time trends in characteristics of U.S. Army basic trainees: A descriptive analysis to

support identification of risk factors for training-related injuries.” Poster presented at the 141st Annual Meeting of the American Public Health Association. November 3-6, 2013. Boston, MA.

Bulzacchelli MT, Rodriguez-Monguio R,† Sulsky SI, Karlsson L, Luippold R, Hill OT. “Measuring the health and economic impact of basic combat training injuries in the U.S. Army.” Poster presentation given at the 140th Annual Meeting of the American Public Health Association. October 29, 2012. San Francisco, CA.

Joseph NC,*† Dhawan G,* Pekow P, Rogers C, Tambat S, Chawan A, **Bulzacchelli M**. “Knowledge, attitude, and practices (KAP) regarding malaria in Mumbai, India.” Poster presentation given at the 60th Annual Meeting of the American Society of Tropical Medicine and Hygiene. December 5, 2011. Philadelphia, PA.

Waritu AS,*† **Bulzacchelli M**, Begay M. “Use of fees to fund local public health services.” Oral presentation given at the 139th Annual Meeting of the American Public Health Association. October 31, 2011. Washington, DC.

Crowe J,*† **Bulzacchelli M**, Begay M. “Alternative funding opportunities for local public health departments: A case study from Barnstable County, Massachusetts.” Oral presentation given at the 139th Annual Meeting of the American Public Health Association. October 31, 2011. Washington, DC.

Julius A,*† Kane B, **Bulzacchelli M**, Ryan III HDP. “Investigation of compliance with safety standards in the New England tree care industry.” Oral presentation given at the 2011 National Occupational Injury Research Symposium. October 18, 2011. Morgantown, WV.

Bulzacchelli MT.† “Why don’t workers protect themselves from injury? Challenges to implementing effective workplace safety policies.” Talk given for the Center for Public Policy and Administration’s Spring 2010 Faculty Colloquium Series. University of Massachusetts-Amherst. February 1, 2010.

Bulzacchelli MT,† Gielen AC, Shields WC, McDonald EM, Frattaroli S. “Impact of a mobile safety center on parental safety behavior.” Poster presented at the Society for Advancement of Violence and Injury Research 2009 Conference. March 5, 2009. Atlanta, GA.

Gielen AC,† McDonald E, Frattaroli S, McKenzie LB, Shields WC, **Bulzacchelli MT**, Glenshaw M. “Utilization of a mobile safety center by low income, urban families.” Poster presented at the 136th Annual Meeting of the American Public Health Association. October 27, 2008. San Diego, CA.

Bulzacchelli MT,† “A public health perspective on violence prevention.” Talk given for the conference Landscapes of Violence: Conflict and Trauma through Time. University of Massachusetts-Amherst. April 3, 2008.

Webster DW,† Vernick JS, **Bulzacchelli MT**. “Effects of policies to promote firearm dealer and owner accountability on firearm trafficking.” Oral presentation given at the 135th Annual Meeting of the American Public Health Association. November 6, 2007. Washington, DC.

Bulzacchelli MT,† Vernick JS. “An assessment of the impact of OSHA’s Lockout/Tagout Standard using an interrupted time series analysis.” Poster presented at the 134th Annual Meeting of the American Public Health Association. November 7, 2006. Boston, MA.

Vernick JS, **Bulzacchelli MT,† Webster DW.** “Regulating firearm dealers in the US: Opportunities for intervention.” Oral presentation given at the 134th Annual Meeting of the American Public Health Association. November 7, 2006. Boston, MA.

Bulzacchelli MT,† Vernick JS. “An evaluation of the impact of OSHA’s Control of Hazardous Energy (Lockout/Tagout) Standard on fatal occupational injury.” Oral presentation given at the 133rd Annual Meeting of the American Public Health Association. December 12, 2005. Philadelphia, PA.

RESEARCH GRANTS & FUNDING AWARDS

Project Title: Acceptance and Use of Mobile Apps for Commercial Fishing Safety

Funding: NIOSH, January 1, 2017 – August 31, 2021 (\$512,046)

Grant Number: U54OH007542

Goal: To field test two mobile apps (SCraMP and FVdrills) to determine their acceptability and utility among commercial fishing vessel operators, and to determine the impact of these apps on monitoring vessel stability and conducting safety drills.

Role: Principal Investigator

Project Title: The Cost of Basic Combat Training Injuries in the U.S. Army: Injury-Related Medical Care and Risk Factors

Funding: U.S. Department of Defense, June 25, 2013 – June 25, 2016 (\$464,830)

Contract Number: W81XWH-13-C-0150

Goal: To estimate the direct costs to the U.S. Army of injuries occurring during basic combat training and identify factors associated with increased risk of training-related injury and high costs.

Role: Principal Investigator

Project Title: The Cost of Basic Combat Training Injuries in the U.S. Army.

Funding: U.S. Department of Defense, September 23, 2010 – May 31, 2013 (\$274,337)

Contract Number: W911QY-10-C-0194

Goal: To identify and describe a cohort of basic trainees from Army administrative data in order to conduct epidemiological and cost analyses of injuries occurring during basic combat training.

Role: Principal Investigator

Project Title: An Evaluation of the Impact of OSHA’s Control of Hazardous Energy (Lockout/Tagout) Standard on Fatal Occupational Injury

Funding: NIOSH Education and Research Center for Occupational Safety and Health at the Johns Hopkins Bloomberg School of Public Health, NIOSH Pilot Project Research Training Award, July 1, 2004 – June 30, 2006 (\$8,400)

Grant Number: T42CCT310419

Goal: To assess the effects of OSHA's Lockout/Tagout Standard on fatal machinery-related injuries in the US manufacturing industry and to study the circumstances surrounding fatal lockout/tagout-related incidents.

Role: Student Investigator (dissertation work)

NIOSH Occupational Injury Prevention Traineeship

Johns Hopkins Bloomberg School of Public Health, 2000-2006.

PROFESSIONAL SERVICE

Research Affiliate, Northeast Center for Occupational Health and Safety: Agriculture, Forestry and Fishing, Cooperstown, New York, 2014-present.

Member, Board of Health, Town of Amherst, Massachusetts, 2009-2012.

Reviewer, *American Journal of Industrial Medicine* • *American Journal of Preventive Medicine* • *BMC Public Health* • *Epidemiologic Reviews* • *Injury Prevention* • *International Journal of Injury Control and Safety Promotion* • *International Journal of Occupational and Environmental Health* • *Journal of Occupational and Environmental Medicine* • *Journal of Public Health Management and Practice* • *PLOS ONE* • *Public Health Reports* • *Reliability Engineering & System Safety* • *Safety*

PROFESSIONAL MEMBERSHIPS

Executive Board Member, Delta Omega Honorary Society in Public Health, Alpha Chapter, 2017-present.

Member, Association of Schools and Programs of Public Health, Undergraduate Public Health and Global Health Education Network, 2016-present.

Member, Society for Advancement of Violence and Injury Research, 2007-present.

Member, American Public Health Association, 2005-present.