

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, with certificate in Injury Control

A.B. 1995, Bowdoin College, Brunswick, Maine
Psychology, with minor in Economics

PROFESSIONAL EXPERIENCE

Assistant Research Professor and Director, Undergraduate Program in Public Health Studies
Krieger School of Arts & Sciences, Johns Hopkins University, Baltimore, Maryland
July 2016 – Present.

Assistant Professor, Department of Health Promotion & Policy
School of Public Health & Health Sciences, University of Massachusetts Amherst
September 2007 – June 2016.

Data Analyst, Center for Injury Research and Policy & Center for Gun Policy and Research
Johns Hopkins Bloomberg School of Public Health, Baltimore, Maryland
November 2006 – June 2007.

Research Assistant, Center for Injury Research and Policy & Center for Gun Policy and Research
Johns Hopkins Bloomberg School of Public Health, Baltimore, Maryland
June 2002 – October 2006.

Teaching Assistant, Department of Health Policy and Management
Johns Hopkins Bloomberg School of Public Health, Baltimore, Maryland
March 2001 – May 2006.

Research Assistant, Center for Population and Development Studies
Harvard School of Public Health, Boston, Massachusetts
August 1998 – August 2000.

Research Analyst, Clinical Psychopharmacology Unit
Massachusetts General Hospital, Boston, Massachusetts
March 1996 – August 1998.

PUBLICATIONS

Journal Articles

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*. In press.

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

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-Monguio 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 2009 National Injury & Violence Prevention Research 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

Contract, June 25, 2013 – June 25, 2016 (\$464,830)

Funding Agency: U.S. Department of Defense, U.S. Army Natick Soldier Center

Contract Number: W81XWH-13-C-0150

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

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

Contract, September 23, 2010 – May 31, 2013 (\$274,337)

Funding Agency: U.S. Department of Defense, U.S. Army Natick Soldier Center

Contract Number: W911QY-10-C-0194

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

Goal: To identify and describe a cohort of basic trainees from Army administrative data in order 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

NIOSH Pilot Project Research Training Award, July 1, 2004 – June 30, 2006 (\$8,400)

Funding Agency: NIOSH Education and Research Center for Occupational Safety and Health at the Johns Hopkins Bloomberg School of Public Health

Grant Number: T42CCT310419

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

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 Safety and Health: 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*

PROFESSIONAL MEMBERSHIPS

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

Member, American Public Health Association, 2005-present.