

PROMOTION RECOMMENDATION  
THE UNIVERSITY OF MICHIGAN  
MEDICAL SCHOOL  
DEPARTMENT OF EMERGENCY MEDICINE  
SCHOOL OF PUBLIC HEALTH  
DEPARTMENT OF HEALTH BEHAVIOR AND HEALTH EDUCATION

Patrick M. Carter, M.D., associate professor of emergency medicine, with tenure, Department of Emergency Medicine, Medical School, and associate professor of health behavior and health education, without tenure, Department of Health Behavior and Health Education, School of Public Health, is recommended for promotion to professor of emergency medicine, with tenure, Department of Emergency Medicine, Medical School, and professor of health behavior and health education, without tenure, Department of Health Behavior and Health Education, School of Public Health.

Academic Degrees:

M.D.	2005	Tufts University School of Medicine
B.S.	2001	Bates College

Professional Record:

2020-Present	Associate Professor (with tenure), Department of Emergency Medicine, University of Michigan
2020-Present	Associate Professor (without tenure), Department of Health Behavior and Health Education, School of Public Health, University of Michigan
2019-2020	Assistant Professor, Department of Health Behavior & Health Education, School of Public Health, University of Michigan
2014-2020	Assistant Professor, Department of Emergency Medicine, Medical School, University of Michigan
2009-2014	Clinical Lecturer, Department of Emergency Medicine, Medical School, University of Michigan

Summary of Evaluation:

Teaching: Dr. Carter is a dedicated and talented teacher. He has a comprehensive and extensive record of teaching and mentoring trainees of varying levels including faculty members, clinical fellows, post-doctoral fellows, residents, medical students, and graduate students. He is an external advisor and committee member on the dissertation committee of a student from the University of Cape Town, South Africa. Teaching evaluations rate him as average to good. He has given ad hoc lectures in the Medical School and the Law School, and is the course director for the UM Injury Prevention Center Massive Open Online Course, Science of Firearm Injury Prevention Among Children/Teens. In addition, he has developed educational products related to safe opioid prescribing practices for practicing clinicians. Letters from previous mentees are glowing and speak to his dedication, generosity, and high ethical standards.

Research: Dr. Carter's scholarly work focuses on identifying high-risk youth who would benefit from violence interventions, including the role of firearms, using innovative M-Health

approaches to deliver tailored just-in-time adaptive interventions, which are cutting-edge in this field. He is a highly successful scholar and is the second most funded emergency medicine physician in the country, securing over \$8M in extramural funding from the National Institutes of Health (NIH), the Centers for Disease Control and Prevention (CDC) and other organizations in the past four years alone. Within his time in rank, he has also received and completed numerous other federal, state, and foundation grants, solidifying his reputation as a productive and highly funded scientist and establishing a strong reputation for the Institute for Firearm Injury Prevention. Since 2020, he has been invited to give two keynote talks, both in Michigan, and 14 extramural invited talks. Dr. Carter is well-published, with 93 peer-reviewed manuscripts in highly regarded journals such as *JAMA*, the *New England Journal of Medicine*, and the *American Journal of Preventive Medicine*. Dr. Carter's work has also garnered local and national media attention, with 43 interviews or features in the lay press since 2020. Two team science letters are included highlighting his collaborative nature. In 2020, Dr. Carter received the UM Emergency Medicine Alumni Award for Excellence in Research.

Recent and Significant Publications:

- Gong CH, Bushman G, Hohl BC, Kondo MC, Carter PM, Cunningham RM, Rupp LA, Grodzinski A, Branas CC, Vagi KJ, Zimmerman MA, "Community engagement, greening, and violent crime: A test of the greening hypothesis and Busy Streets," *Am J Community Psychol.*, 10/2022. England, PM36214281
- Carter PM, Losman ED, Roche JS, Malani P, Kullgren JT, Solway E, Kirch M, Singer D, Walton MA, Cunningham RM, "Firearm Ownership, Attitudes, and Safe Storage Practices Among a Nationally Representative Sample of Older U.S. Adults age 50 to 80," *Preventative Medicine*.156, 01/2022. PM35065980
- Sokol RL, Kumodzi T, Cunningham RM, Resnicow K, Steiger M, Walton M, Zimmerman MA, Carter PM, "The association between perceived community violence, police bias, race, and firearm carriage among urban adolescents and young adults," *Preventive Medicine*.154, 01/2022. PM34863814
- Carter PM, Cunningham RM, Eisman AB, Resnicow K, Roche JS, Cole JT, Goldstick J, Kilbourne AM, Walton MA, "Translating Violence Prevention Programs from Research to Practice: SafERteens Implementation in an Urban Emergency Department," *Journal of Emergency Medicine*.62(1): 109-124, 01/2022. PM34688506
- Carter PM, Zimmerman MA, Cunningham RM, "Addressing Key Gaps in Existing Longitudinal Research and Establishing a Pathway Forward for Firearm Violence Prevention Research," *Journal of Clinical Child and Adolescent Psychology*. 50(3): 367-384, 01/2021. PM34086512

Service: Dr. Carter has extensive service contributions evidenced by his international role on the Admission Process Redesign Committee with Komfo Anokye Teaching Hospital in Ghana. Nationally, he has served on numerous committees including as the chair of the Science Committee and the Communications Committee for the National Research Conference on Firearm Injury Prevention, and is the founding member and sits on the Board of Directors for the Research Society for the Prevention of Firearm-Related Harms. He regularly serves as an ad hoc reviewer on national study sections and special emphasis panels for various federal agencies including the NIH and CDC. Institutionally, Dr. Carter serves on the UM Injury Prevention Center Pilot Funding Grant Review Section, is the director of the Injury Prevention Center and

the Institute for Firearm Injury Prevention, and is the associate director of the Youth Violence Prevention Center. Dr. Carter continues his editorial role for *Annals of Emergency Medicine* which he began in 2018 and provides peer-reviews for numerous journals, including *JAMA Pediatrics*, *Pediatrics*, and the *Journal of Adolescent Health*. He is a highly sought-after speaker on firearms injury prevention.

External Reviewers:

Reviewer A: “Dr. Carter is well-known and recognized in the injury and violence prevention field for his accomplishments in firearm injury prevention. His CV reflects a trajectory of firearm-related work, with a focus on youth, that includes research published in high-impact journals, invited commentaries and speaking engagements, research grant awards, an NIH-funded training grant, and [the] development of firearm injury prevention curricula for emergency medicine clinicians. Additionally, as a current Director of the Institute for Firearm Injury Prevention at the University of Michigan, Dr. Carter has established himself as a leader in the firearm injury prevention field.”

Reviewer B: “Dr. Carter is among a small, yet critical and growing cadre of firearm injury and violence prevention scholars. He has amassed a strong portfolio of funded research, including serving as PI on multiple NIH grants including an R01 and T32 training program. His scholarly output from this funded research uniquely positions him as a national and global leader in the field.”


Reviewer C: “...he has demonstrated commitment to teaching [by] providing a course at the University of Michigan Law School, invited lectures within the medical school, MOOC asynchronous learning, external national didactic lectures at conferences and departmental teaching of trainees. He also has maintained multiple service contribution[s] within the discipline serving on national committees several of which have been in a leadership role. Dr Carter's [sic] national profile is well defined with many invited presentation[s]...”

Reviewer D: “Dr. Carter has 91 peer-reviewed publications, and is [the] primary author on two to three per year, which is commensurate with full professor at an R1 institution. He publishes collaboratively with a wide variety of national scholars, which is indicative that he is sought as a coauthor. His bibliographic notes further indicate that he actively publishes with his mentees. His articles appear in a wide variety of journals, including medical, policy, and public health journals.”

Reviewer E: “Dr. Carter’s teaching and mentorship record is strong, and his load has been reasonable for a faculty member with his research and service responsibilities. He is currently mentoring several junior faculty, postdoctoral fellows, and graduate students. He is also [the] dissertation chair for one doctoral student. Dr. Carter has lectured widely, locally, regionally, nationally and internationally. His service record is also excellent, with a history of service to the department and the university, as well as to the field. He is currently the Assistant Editor/Decision Editor for the *Annals of Emergency Medicine* and reviewer for several journals as well as a grant reviewer for NIH and other organizations.”

Summary of Recommendation:

Dr. Carter is a pioneer in the field of firearm injury prevention and an outstanding researcher, a strong methodologist, and a creative thinker with important service contributions and a solid track record of teaching and mentoring. His work has advanced the understanding of social determinants of injury, such as his work to measure the association between community violence, policy bias, race, and firearm carriage. Dr. Carter's greatest impact is his research which informs prevention strategies, for example, a series of studies assessing the prevalence and impact of safe storage practices. We are pleased to recommend Patrick M. Carter, M.D. for promotion to professor of emergency medicine, with tenure, Department of Emergency Medicine, Medical School, and professor of health behavior and health education, without tenure, Department of Health Behavior and Health Education, School of Public Health.



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Marschall S. Runge, M.D., Ph.D.  
Executive Vice President for Medical Affairs  
Dean, Medical School



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F. DuBois Bowman, Ph.D.  
Dean, School of Public Health

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