

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., assistant professor of emergency medicine, Department of Emergency Medicine, Medical School, and assistant professor of health behavior and health education, School of Public Health, is recommended for promotion to 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.

Academic Degrees:

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

Professional Record:

03/2019 – Present	Assistant Professor, Department of Health Behavior and Health Education, University of Michigan School of Public Health
07/2014 - Present	Assistant Professor, Department of Emergency Medicine, University of Michigan
07/2009 06/2014	Clinical Lecturer, Department of Emergency Medicine, University of Michigan

Summary of Evaluations:

Teaching: Dr. Carter's primary teaching responsibility is clinical, in the Emergency Department, where he supervises residents, medical students and fellows. Dr. Carter serves as a research mentor to trainees at multiple levels and across multiple disciplines, including seven graduate students, three post-doctoral trainees, five medical students and ten residents. He has developed and is faculty lead on injury prevention curricula related to his focused content area of firearm injury prevention for the pediatric residency educational curriculum, the Injury Prevention Center Educational Course, and for the University of Michigan Law School Problem Solving Initiative Course that he is currently co-leading. He has shared his expertise in grant writing as well as research and analytics methods. Since 2014, he has actively lectured on more than 20 occasions nationally and institutionally on these topics.

Research: Dr. Carter has significantly impacted the specialty of emergency medicine by his research work focused on injury prevention, firearm violence prevention, opioid overdose prevention, technology-assisted behavior intervention, health disparities research and global health. His research is well-funded, with 11 active grants; two grants submitted and 17 past grants. He was instrumental in securing a National Institutes of Health Fogarty Award to support a global emergency medicine training program. Dr. Carter continues to develop his research skills with Drs. Rebecca Cunningham, Maureen Walton, Ken Resnicow, Marc Zimmerman and Daniel Webster. He has published more than 50 peer-reviewed articles, and has presented his research by invitation, on 14 occasions regionally and nationally. He was awarded the Junior Faculty Research Award for Instructional Track Faculty from the Annual Barsan Research Forum in 2018, the Society for

Academic Emergency Medicine Young Investigator Award and the Urgent Matters Injury Prevention Innovation of the Year Award from the American College of Emergency Physicians in 2019.

Recent and Significant Publications:

Cunningham RM, Carter PM, Zimmerman MA, Ranney M, Walton MA, Zeoil A, Alpern E, Branas C, Beidas R, Ehrlich P, Goyal M, Goldstick J, Hemenway D, Hargarten S, King C, Massey L, Ngo Q, Pizzaro J, Prosser L, Rowhani-Rahbar A, Rivara F, Rupp L, Savolainen J, Sigel E: Defining a Research Agenda for Firearm Injury Prevention Among Children and Adolescents: Consensus Driven Recommendation from the FACTS Consortium, *JAMA Pediatrics* (in Press).

Cunningham RM, Walton MA, Carter PM. The Major Causes of Death in Children and Adolescents in the United States, *New England Journal of Medicine*, 379(25):2468-2475, 01/2018.

Goldstick JR, Carter PM, Walton MA, Dahlberg LL, Sumner SA, Zimmerman MA, Cunningham RM: Development of the SaFETy score: A clinical screening tool for predicting future firearm violence risk, *Ann Intern Med*, 166(10):707-714, 05/2017.

Carter PM, Walton MA, Goldstick J, Epstein-Ngo QM, Zimmerman MA, Mercado MC, Williams AG, Cunningham RA: Violent firearm-related conflicts among high risk youth: An event-level and daily calendar analysis, *Preventive Medicine*, 102:112-119, 01/2017.

Carter PM, Walton MA, Roehler DR, Goldstick J, Zimmerman MA, Blow FC, Cunningham RM: Firearm violence among high-risk emergency department youth after an assault injury, *Pediatrics*, 135(5):805-815, January 2015.

Service: Dr. Carter is an assistant editor and decision editor for the *Annals of Emergency Medicine*. He served on the board of directors for the Society for the Advancement of Violence and Injury Prevention from 2018-2019, and on several study sections for the Centers for Disease Control and Prevention and the National Institute on Alcohol Abuse and Alcoholism. From 2017-2019, Dr. Carter was appointed as the assistant director of the University of Michigan Injury Prevention Center. In 2019, he was appointed as the co-associate director. Institutionally, he is a member of numerous committees, including the Injury Center Outreach Core, and the Precision Health Initiative Committee for Cohort Development.

External Reviewers:

Reviewer A: "Dr. Carter's professional stature and national recognition with the emergency medicine community is evidenced by his grant awards, subsequent publications, and his prominence in numerous invited workshops, lectures and presentations...I am impressed with the highly collaborative and interdisciplinary aspects of his studies, which span several specialties such as injury prevention, firearm violence prevention, opioid overdose prevention, technology-assisted behavior interventions, health disparities research and global health...I would rank him as one of the emerging top health service researchers in these areas...He would meet criteria for promotion to a comparable position at [my institution] and other leading institutions."

Reviewer B: "Dr. Carter has had a dedicated research interest in injury prevention and specifically intentional injury...Although Dr. Carter's strength is his research portfolio, he has demonstrated commitment to teaching with continual mentorship of graduate students, medical students, post-doctoral fellows and providing invited lectures."

Reviewer C: “Dr. Carter has been highly engaged in teaching and has lectured and given numerous presentations nationally and regionally including a massive open online course and a number of seminars on the opioid epidemic as well as other injury prevention topics...Dr. Carter is highly sought as a mentor and advisor to many emergency medicine physicians and has mentored numerous trainees from graduate to medical students to resident physicians.”

Reviewer D: “Dr. Carter has established himself as both an independent scientist and a collaborator with interdisciplinary teams...Dr. Carter is establishing a national reputation in the field through his service on Study Sections, as an Editor Board member for the Annals of Emergency Medicine, and as a journal reviewer.”

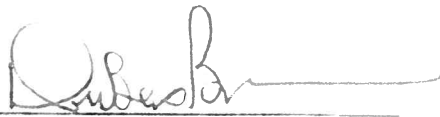
Reviewer E: “Dr. Carter is a talented, thoughtful, savvy, and productive scholar who has succeeded at becoming a leader in the field of injury epidemiology and specifically pediatric firearm and violence prevention...Dr. Carter is known also to be a key player in the leadership group at the University of Michigan Injury Center...Dr. Carter has been instrumental in the growth and accomplishments of the center.”

Summary of Recommendations:

Dr. Carter is a prominent and productive scientist and clinician who continues to make significant contributions to the field of emergency medicine specifically in the areas of injury prevention, firearm violence prevention, opioid overdose prevention, technology-assisted behavior intervention, health disparities research and global health. He has strong service and teaching contributions. I am pleased, therefore, to recommend Patrick M. Carter, M.D. for promotion to 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.



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



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

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