

CURRICULUM VITAE

Kenneth A. Williams, MD, FACEP, FAEMS

Brown University Health / Brown Emergency Medicine
Department of Emergency Medicine
Division of Emergency Medical Services
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EDUCATION

1977	Hampshire College, Amherst, MA, BA
1980	University of Massachusetts, Amherst, MA, Postgraduate Science Studies
1984	University of Massachusetts Medical School, Worcester, MA, MD
1997	University of Massachusetts, Amherst, Medical Informatics / Artificial Intelligence / Knowledge Engineering

POSTGRADUATE TRAINING

Residency

1984-1987	Residency in Emergency Medicine, University of Pittsburgh
1986-1987	Chief Resident, University of Pittsburgh

Fellowship

1981	Exercise Physiology Fellowship, University of Massachusetts Medical School
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1994 Medical Informatics Fellowship, National Library of Medicine

POSTGRADUATE HONORS AND AWARDS

1986 Resident Research Award, Emergency Medicine Foundation

1986-1987 Chief Residency, University of Pittsburgh Affiliated Residency in Emergency Medicine

2002 President's Award, Association of Air Medical Services

2003 Distinguished Physician Award, Air Medical Physician Association

2009, 2010 Dean's Excellence in Teaching Award, The Warren Alpert Medical School of Brown University

2010 President's Award, Air Medical Physician Association

2014 Exemplary Service Award, University Emergency Medicine Foundation

2014 USCG Unit Commendation, USCG AUX Flotilla 1NR-07-08

2015 Auxiliary Operations Annual Service Performance Award, USCG AUX 1NR

2015 Coast Guard Sustained Auxiliary Service Award, USCG AUX 1NR

2015 Core Faculty, Emergency Medicine Residency, The Warren Alpert Medical School of Brown University

2015 Most Active New Member, USCG AUX Flotilla 1NR-07-08

2016 Division Seven 2015 Outstanding New Auxiliarist, USCG AUX 1NR, D07

2016 Division Seven, Over 50 hours of Operational Support, USCG AUX 1NR, D07

2017 Councilor at Large, Rhode Island Medical Society

2017 Project Leader and PI Evidence-Based Guideline for Naloxone Administration NHTSA-funded project, NHTSA

2017 USCG Auxiliary Certificate of Accomplishment, 50 or more hours of Operational Support during 2016, USCG Auxiliary

2018 Certificate of Recognition, 20th Anniversary of Service to the State of Rhode Island, NASEMSO

2018 Exceptional Service Award, Rhode Island ACEP

2019 5 year Sustained Service Award, USCG Auxiliary

2019 Certificate of Accomplishment: 50 or more hours of USCG Operational Support During 2018, First Coast Guard District, USCG

2019	Membership Service Award, 5 years of dedicated service, US Coast Guard Auxiliary 1NR
2020	Physician of the Year, RI ACEP (awarded to all RI emergency physicians involved in COVID-19)
2023	Certificate of Accomplishment, 25 years of Medical Director service, Rhode Island Department of Health
2023	Lifetime Achievement Award, Brown Emergency Medicine
2023	Outstanding Coast Guard Administrative Support Award, USCG Auxiliary Division 7 Awards
2025	2024 Principal Deputy Assistant Secretary Award for Distinguished Service for 2024 Hurricane Helene and Milton Response, ASPR / Federal Government. Awarded 2025 SEP 04.
2026	National Association of State EMS Officials Medical Director's Council National Model Guidelines v4 Technical Expert Panel.
2026	Rhode Island Medical Society Dr. Charles L. Hill Award Recognition of Leadership and Service Established in 1981, this award recognizes a RIMS member physician for leadership and service. Dr. Charles L. Hill, for whom this award is named, was president of the Medical Society 1979-1980. As one of the highest honors bestowed by RIMS, this award celebrates a physician who has made significant contributions to science, education, and/or patient care in Rhode Island, and has substantially advanced the goals of the medical profession. Recipients must demonstrate a significant impact on the medical community, strong character, and leadership with equity and inclusion.

MILITARY SERVICE

2014-Present	Member; USCG Auxiliary, USCG AUX Flotilla 1NR-07-08; US Coast Guard Auxiliary, District 1 NR, Division 07, Flotilla 08; Status: BQ / operational support, Boat Crew Qualified, USCG 45 RB-M
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PROFESSIONAL LICENSES AND BOARD CERTIFICATION

1984-1998,	Advanced Trauma Life Support [ATLS] Provider
2003-2020	

1985	Diplomate, National Board of Medical Examiners (USMLE Steps I, II, III passed)
1985-1988	Licensed physician, Pennsylvania
1986-2020	Advanced Cardiac Life Support [ACLS] Instructor
1987-Present	Licensed physician, Massachusetts
1988-1998, 2004-2020	Advanced Trauma Life Support [ATLS] Instructor
1990, 2000, 2010, 2020	Diplomate, American Board of Emergency Medicine
1990-Present	Fellow, American College of Emergency Physicians
1997-2000	Advanced Pediatric Life Support [APLS] Provider
1997-Present	Licensed physician, Rhode Island
2013, 2023	Board Certified, Emergency Medical Services (ABEM)
2015-2020	Advanced Cardiac Life Support – Experienced Provider Instructor
2018-2020	Basic Life Support / Heartsaver Instructor
2023-Present	Neonatal Resuscitation Program Provider

ACADEMIC APPOINTMENTS

1987-1990	Clinical Instructor in Medicine, Division of Emergency Medicine, The University of Massachusetts Medical Center & School
1990-1992	Assistant Professor, Division of Emergency Medicine, Department of Medicine, The University of Massachusetts Medical Center & School
1992-1997	Assistant Professor, Department of Emergency Medicine, The University of Massachusetts Medical Center & School
1997-2000	Associate Professor of Clinical Emergency Medicine, The University of Massachusetts Medical Center & School
2000-2004	Clinical Associate Professor of Surgery, The Warren Alpert Medical School of Brown University
2004-2006	Clinical Associate Professor of Emergency Medicine, The Warren Alpert Medical School of Brown University
2006-2017	Associate Professor of Emergency Medicine (Clinical), The Warren Alpert Medical School of Brown University

2015-2017	Clinical Adjunct Faculty, The Rochester Institute of Technology
2017-2020	Assistant Clinical Professor, The Rochester Institute of Technology
2017-Present	Professor, Emergency Medicine, Clinician Educator Track, The Warren Alpert Medical School of Brown University

DEPARTMENT/LEADERSHIP APPOINTMENTS

1997- Present	Director, Division of Emergency Medical Services, Brown Emergency Medicine, Brown University Health, Providence, RI
2006- Present	ACGME Fellowship in EMS at Brown & Brown Advanced Emergency Medicine Academies EMS Fellowship, Warren Alpert Medical School of Brown University; Organized, led, and implemented this training program, ready for its first Fellow in 2006. Served as Program Director, responsible for administrative and academic aspects of these training programs, including both the ACGME EMS Fellowship and the Brown Advanced Emergency Medicine Academies International Fellowship, until 2019, when the ACGME EMS Fellowship Program Director role was transitioned to another EMS Division faculty member. I continue as BAEMA EMS Fellowship Program Director. The ACGME Fellowship accepts applicants who are fully licensed as physicians in RI and qualified to take the ABEM Emergency Medicine Board examination. The Academy accepts fully funded applicants without ACGME Fellowship qualifications. The ACGME Fellowship was awarded ACGME approval in February, 2014
2014- Present	Program Director, Brown Advanced Emergency Medicine Academies EMS Fellowship Brown Emergency Medicine, Providence, RI
2015-2020	New England Council for EMS / University Emergency Medicine Foundation EMS Leadership Conference, Newport, RI Conference Director With support from the New England Council for EMS and (then) UEMF staff, organized, planned, and directed this annual EMS conference in Newport, RI from 2015-2020. The NEC, which was founded in 1968, organized and ran this conference from the 1970s until 2011. We revitalized the event in 2015 and continued to organize and offer it annually until the COVID pandemic started.

HOSPITAL APPOINTMENTS

1987-1988	Associate Medical Director, Life Flight, The University of Massachusetts Medical Center & School
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1987-1989	EMS Medical Director, Burbank Hospital, Fitchburg, MA
1987-1989	Prehospital Medical Director, Emergency Department, Burbank Hospital, Fitchburg, MA
1987-1989	Staff Physician, Emergency Department, Burbank Hospital, Fitchburg, MA
1987-1997	Medical Director, UMASS LifeFlight, University of Massachusetts Medical Center, Worcester, MA
1987-2000, 2020-2023	Attending Physician, The University of Massachusetts Medical Center, Worcester, MA
1989-1994	Staff Physician, Emergency Department, Sturdy Memorial Hospital, Attleboro, MA
1989-1995	Attending Physician, Emergency Department, The Medical Center of Central Massachusetts, Worcester, MA
1991-1994	Staff Physician, Emergency Department, Framingham Union Hospital, Framingham, MA
1991-1997	Director, Emergency Medicine Informatics, The University of Massachusetts Medical Center & School
1992-1997	Executive Medical Director, Life Flight, The University of Massachusetts Medical Center & School
1993-1996	Staff Physician, Emergency Department, Mercy Hospital, Springfield, MA
1994-1996	Medical Director, Emergency Department, Mercy Hospital, Springfield, MA
1994-1997	Chief, Division of Emergency Medical Services, The University of Massachusetts Medical Center & School
1996-1997	Staff Physician, Emergency Department, Lawrence General Hospital, Lawrence, MA
1996-1998	Staff Physician, Emergency Department, Marlborough Hospital, Marlborough, MA
1997-2000	Staff Physician, Emergency Department, St. Anne's Hospital, Fall River, MA
1997- Present	Attending Physician, Emergency Department, Rhode Island Hospital, Providence, RI
1998- Present	Attending Physician, Emergency Department, Miriam Hospital, Providence, RI
2003-2008	Attending Physician, The Nantucket Cottage Hospital, Nantucket, MA
2004- Present	Medical Director, Lifeguard EMS / LifePACT Critical Care Transport. Created this critical care transport team in 2004 as a training platform function of the RIDI Project in Phase 3 and serve as Medical Director. The team serves to improve care of patients during critical care transport while training first responder observers in disaster and WMD response. Lifeguard EMS coordinated with the Hasbro Children's Hospital PICU transport team, and the teams merged in 2009, forming LifePACT (Life Pediatric

and Adult Critical Care Transport). LifePACT is Rhode Island's only full service critical care transport program, and serves over 1500 patients annually while also providing support at major incident drills and training. A second ambulance was added to the system in April 2010, with over 60 paramedic, nursing, and physician staff members.

2007- Present	Medical Director, Ambulance Services, Rhode Island Hospital, Providence, RI
2020- Present	Attending Physician, Emergency Department, Newport Hospital (COVID Disaster privileges), Newport, RI
2020-2025	Physician Administrative Triage Officer of the Day, Rhode Island Hospital, Providence, RI

OTHER APPOINTMENTS

1987-1997	University of Massachusetts Medical Center Representative, Central Massachusetts Emergency Medical Services Corporation [CMEMS]; <i>The regional EMS council for Worcester County</i>
1987-1997	Massachusetts College of Emergency Physicians: Course Director, Educational Program Coordinator, and Membership Services Chair from 1992 to 1998. <i>Responsibilities included developing curriculum, seeking and securing speakers, approving lecture outlines, editing conference materials, preparation and delivery of lectures, evaluation of conferences and speakers, and meeting CME requirements. Various programs, ranging from bi-monthly management roundtables with 10-20 attendees to quarterly risk management courses drawing over 100 attendees, most from the New England area and an annual joint CME conference with the Massachusetts Emergency Nurse's Association that was attended by over 300. Conversion of the Risk Management program to internet access and self-test for CME occurred while I was still associated with the MACEP Board as Treasurer.</i>
1988-1997	Helicopter Utilization Review Board, Massachusetts Department of Health, Office of Emergency Medical Services [MA OEMS]; <i>The lead agency responsible for ambulance and EMT regulation and training in Massachusetts.</i>
1989-1997	Board of Directors, Central Massachusetts Emergency Medical Services Corporation [CMEMS]; <i>The regional EMS council for Worcester County.</i>
1993-1997	EMS for Children Advisory Council, Massachusetts Department of Health, Office of Emergency Medical Services [MA OEMS]; <i>The lead agency responsible for ambulance and EMT regulation and training in Massachusetts.</i>
1994-1996	Commissioner, Emergency Medical Services Commission, City of Springfield, Massachusetts.

1994-1996	Physician's Council, Western Massachusetts EMS Committee, Inc. [WMEMS]; <i>The regional EMS council for the western third of Massachusetts.</i>
1994-1997	Medical Director, Massachusetts EMS Region II, Central Massachusetts Emergency Medical Services Corporation [CMEMS]; <i>The regional EMS council for Worcester County.</i>
1994-2009	Course Director, Educational Meetings, Air Medical Physician Association [AMPA] CME through Brown University 1998-2009; <i>A professional association focused on quality patient care and education in the critical care transport environment. Membership of approximately 400 physicians, 30% international members. AMPA sponsors several annual educational conferences, attracting an international audience.</i>
1997-1999	Air Medical Transport Section, Newsletter Editor, Secretary/Treasurer, American College of Emergency Physicians [ACEP]; <i>The leading association of emergency physicians in the US.</i>
1997-2004	Board of Directors, Air Medical Physician Association [AMPA]; <i>A professional association focused on quality patient care and education in the critical care transport environment. Membership of approximately 400 physicians, 30% international members. AMPA sponsors several annual educational conferences, attracting an international audience.</i>
1997- Present	EMS Medical Director, Rhode Island Department of Health, Center for EMS [RI DOH CEMS]; <i>The lead agency responsible for ambulance regulation, EMS clinician training and practice, and EMS clinician licensure in Rhode Island. Realignment in 2015 changed the name from EMS Division to Center for EMS.</i>
1997- Present	Director, Division of Emergency Medical Services, Brown Emergency Medicine.
1998-2000	President-Elect, Air Medical Physician Association [AMPA]; <i>A professional association focused on quality patient care and education in the critical care transport environment. Membership of approximately 400 physicians, 30% international members. AMPA sponsors several annual educational conferences, attracting an international audience.</i>
1998-2009	Course Director, Air Medical Transport Conference (the major annual conference for air medical professionals, Association of Air Medical Services [AAMT]; <i>A US-based trade association representing all aspects of air medical care. Members include aircraft manufacturers, vendors, medical transport programs, and other interested parties. Significant international participation by equipment manufacturers and providers of care.</i>
1998-2012, 2016-2021	Ambulance Service Coordinating Advisory Board, State of Rhode Island Department of Health. <i>Appointed by the Governor in 1998 to this voluntary position, served to represent the interests of a high-quality EMS system for Rhode Island until the position was reassigned in 2012. Introduced the EMS Pride Program to reward excellence in EMS care. Served on a</i>

number of committees and sub-committees as a Board member, and continue to attend as RI DOH EMS Medical Director. Re-appointed by the Governor in 2016, representing the Rhode Island Medical Society, until 2021.

- 1998- Present Chief Medical Officer, Rhode Island 1 Disaster Medical Assistance Team [RI-1-DMAT]; *A team of medical professionals initially organized under the Federal Emergency Management Agency [FEMA] but now under HHS ASPR to provide emergency care in time of disaster. The RI-1 team responded to the World Trade Center September 11, 2001 attack and has been deployed for other disaster events such as the Egypt Air Flight 990 crash (1999), the West Warwick Station fire (2003), Katrina and other hurricanes (2004), COVID missions, hurricane IDA (2021) and Helene (2025). I was a founding member of the MA-2 DMAT and transitioned to RI-1 in 1998.*
- 1998- Present Physician representative, Rhode Island, National Association of State EMS Officials [NASEMSO]; *A closed association with membership limited to state EMS directors and affiliated officials who supervise and regulate emergency medical services in the US, approve training curricula, and license EMTs and ambulances. The name changed from National Association of State EMS Directors in 2006-2007 in recognition of the additional membership of physician medical directors, educators, data managers, and others.*
- 1998- Present Rhode Island Physician Representative, The New England Council for Emergency Medical Services [NEC]; *Members represent New England state EMS agencies.*
- 1999-2010 Founding Member, AMPA Co-Representative, Alliance for Critical Care Transport [ACCT]; *An international alliance of air medical and critical ground transport organizations and associations intended to foster communication among members and improve patient care.*
- 1999-2021 Liaison, Air Medical Physician Association, National Association of State EMS Officials [NASEMSO]; *A closed association with membership limited to state EMS directors and affiliated officials who supervise and regulate emergency medical services in the US, approve training curricula, and license EMTs and ambulances. The name changed from National Association of State EMS Directors in 2006-2007 in recognition of the additional membership of physician medical directors, educators, data managers, and others.*
- 2000-2003 President, Air Medical Physician Association [AMPA]; *A professional association focused on quality patient care and education in the critical care transport environment. Membership of approximately 400 physicians, 30% international members. AMPA sponsors several annual educational conferences attracting an international audience.*
- 2000- Present The Warren Alpert Medical School of Brown University Student Emergency Medicine Interest Group. *Provide support for medical students in this group, including assisting with attendance at ACEP meetings and supervising observation time in the emergency department.*

2001-2005, 2010	Scientific Forum Judge, Critical Care Transport Medicine Conference.
2001- Present	Member, Board of Directors, The New England Council for Emergency Medical Services [NEC]; <i>Members represent New England state EMS agencies.</i>
2002-2004	Judge, Flight Team Simulator Competition, (Air Medical Transport Conference (AMTC)).
2003-2004	Consultant: Consulted by Dept. of State and CDC to participate in development of guidance for transport of SARS patients. Air Medical Physician Association [AMPA]; <i>A professional association focused on quality patient care and education in the critical care transport environment. Membership of approximately 400 physicians, 30% international members. AMPA sponsors several annual educational conferences attracting an international audience.</i>
2003-2008	Volunteer Medical Consultant, Disaster Health Services, American Red Cross, Rhode Island Chapter [ARC].
2003-2009	Multiple Casualty Incident Task Force, Rhode Island Emergency Management Agency [RI EMA].
2004-2019	Associate Medical Director, Cuttyhunk Volunteer Fire and Rescue, Town of Gosnold, Massachusetts (Cuttyhunk).
2004- Present	Medical Director, Emergency Management Agency and Office of Homeland Security / Metropolitan Medical Response System / Medical Emergency Distribution System / Metropolitan Medical Response Team, City of Providence, Rhode Island. <i>Appointed to this position in 2004 by Leo Messier, Director of Providence EMA, and to related positions by the Mayor of Providence in 2005. Assist with the medical aspects of the Agency activities, including the development of the medical aspects of the MMRS system. Attended and graduated from the Integrated Emergency Management Course led by FEMA at the Noble Training Center in Anniston, Alabama in March 2005. Medical Director for the Metropolitan Medical Strike Team (MMST), an operational clinical component of MMRS, Medical Director, City of Providence Emergency Management Agency and Office of Homeland Security, Greater Providence Metropolitan Medical Response System.</i>
2006- Present	Representative, Rhode Island, National Association of State EMS Officials Medical Director's Council [NASEMSO MDC]; <i>A Council of NASEMSO comprised of physician state medical directors with a mission to promote quality and advancement in EMS systems. The MDC was formed in 2006.</i>
2007- Present	Reviewer, Academic Emergency Medicine.
2007- Present	Reviewer, Academic Emergency Medicine (SAEM).

- 2011- Present Reviewer, Canadian Journal of Emergency Medicine.
- 2013-2019 Council of EMS Fellowship Directors, National Association of EMS Physicians [NAEMSP]; *A primarily US association of physicians with a special interest in Emergency Medical Services.*
- 2014-2016 Chair-Elect, National Association of State EMS Officials Medical Director's Council [NASEMSO MDC]; *A Council of NASEMSO comprised of physician state medical directors with a mission to promote quality and advancement in EMS systems. The MDC was formed in 2006.*
- 2014-2017 EMT Item Writing Committee Sessions, National Registry of EMTs [NREMT]; *The NREMT serves as the Nation's EMS Certification organization.*
- 2015- Present Reviewer, Emergency Medicine International.
- 2015- Present Physician Assistant Student Clinical Rotation Supervisor. *Provide clinical supervision for PA students from the Rochester Institute of Technology rotating at Rhode Island Hospital.*
- 2016-2019 Chair, National Association of State EMS Officials Medical Director's Council [NASEMSO MDC]. *A Council of NASEMSO comprised of physician state medical directors with a mission to promote quality and advancement in EMS systems. The MDC was formed in 2006. Led Quarterly Conference Calls; two annual meetings; in 2018 Introduced a Code of Ethics for EMS Medical Directors; in 2019 led and completed the Federally funded multi-association Naloxone EBG Project.*
- 2016-2020 Member, Board of Directors, National Association of State EMS Officials [NASEMSO]; *A closed association with membership limited to state EMS directors and affiliated officials who supervise and regulate emergency medical services in the US, approve training curricula, and license EMTs and ambulances. The name changed from National Association of State EMS Directors in 2006-2007 in recognition of the additional membership of physician medical directors, educators, data managers, and others.*
- 2016-2020 Member, Expert Panel on Enhancing the Ability for EMS to transport patients with Highly Infectious Diseases, National Association of State EMS Officials [NASEMSO]; *A closed association with membership limited to state EMS directors and affiliated officials who supervise and regulate emergency medical services in the US, approve training curricula, and license EMTs and ambulances. The name changed from National Association of State EMS Directors in 2006-2007 in recognition of the additional membership of physician medical directors, educators, data managers, and others.*
- 2017 Research Poster/Abstract Judge and Award Presenter, NASEMSO Annual Meeting, New Orleans, LA.

2017-Present	Boston Med Flight Quality and Safety Committee. <i>Invited to sit on this committee assisting with quality and safety of the largest critical care transport program in New England, consortium-supported New England Life Flight dba Boston Med Flight. Quarterly meetings.</i>
2017-Present	Fidelity Investments EMS Medical Director. <i>Provide Medical Direction for the Safety and Security staff at the Fidelity Rhode Island Headquarters, and to advise regarding global EMS operations (Global Safety and Security is based in Rhode Island).</i>
2017-2025	Medical Director for Rhode Island Clinical Rotations, Massasoit Community College Paramedic Program.
2018	Research Poster/Abstract Judge and Award Presenter, NASEMSO Annual Meeting, Providence, RI.
2019	Research Poster/Abstract Judge, NASEMSO Annual Meeting, Salt Lake City, UT.
2019-2021	Immediate Past Chair, National Association of State EMS Officials Medical Director's Council [NASEMSO MDC]; <i>A Council of NASEMSO comprised of physician state medical directors with a mission to promote quality and advancement in EMS systems. The MDC was formed in 2006.</i>
2019-Present	Reviewer, Journal of Collegiate Emergency Medical Services.
2019-Present	Chief Medical Officer, RI-1 DMAT Disaster Medical Assistance Team.
2020-2024 DEC	Windward Consulting <i>Contracted through Brown Emergency Medicine to provide Medical Direction for this EMS training academy.</i>
2020-Present	Item Writer, EMS Fellowship In-Training Exam.
2021-Present	ACEP Director, Board of Directors, National Registry of EMTs [NREMT]; <i>The NREMT serves as the Nation's EMS Certification organization. Term until 2025, re-elected in 2025.</i>
2021-Present	Medical Director, Providence Emergency Management Agency
2022-Present	General Dynamics Electric Boat <i>Contracted through Brown Emergency Medicine to provide Medical Direction for the EMS agency and staff at GDEB Quonset, a facility that manufactures submarines for the US Navy.</i>
2022-Present	Past Chair, National Association of State EMS Officials Medical Director's Council [NASEMSO MDC]; <i>A Council of NASEMSO comprised of physician state medical directors with a mission to promote quality and advancement in EMS systems. The MDC was formed in 2006.</i>
2023-Present	Medical Director, HeliService USA <i>Contracted through Brown Emergency Medicine to provide Medical Direction for this helicopter service organization that provides services, including EMS and Search and Rescue operations, for offshore operations, including wind farm construction and maintenance, research, and other activities. Based in Quonset, RI.</i>

- 2023-Present Reviewer, International Journal of Environmental Research and Public Health.
- 2024-Present Brain Attack Coalition, member representing NASEMSO. *The Brain Attack Coalition (BAC) is dedicated to improving prevention, advancing treatment, and enhancing recovery to eliminate the burden of stroke for all. The BAC is a group of non-profit professional, voluntary, and/or governmental agencies dedicated to setting direction, advancing knowledge, and communicating the best practices to prevent and treat stroke. The National Institute of Neurological Disorders and Stroke ([NINDS](#)) has facilitated the activities of the BAC for over 30 years, and participates in the BAC as a non-voting member.*

DEPARTMENT COMMITTEES

- 1998-1999 Member, Emergency Department Information Systems Committee, Rhode Island Hospital, Providence, RI
- 1998-2002 Member, University Emergency Medicine Foundation New Ventures Committee, Rhode Island Hospital, Providence, RI
- 2007-Present Founder and Chair, LifePACT Medical Advisory Committee, Rhode Island Hospital, Providence, RI
- 2007-Present Founder and Chair, EMS Operations Committee, Rhode Island Hospital, Providence, RI

HOSPITAL COMMITTEES

- 1988-1989 Member, Quality Assurance Committee, Burbank Hospital, Fitchburg, MA
- 1989-1991 Member, Patient Care Evaluation Committee, University of Massachusetts Medical Center, Worcester, MA
- 1990-1997 Member, Trauma Services Committee, University of Massachusetts Medical Center, Worcester, MA
- 1991-1993 Member, Competitive Edge Task Force, University of Massachusetts Medical Center, Worcester, MA
- 1992-1995 Member, Utilization Management Committee, University of Massachusetts Medical Center, Worcester, MA
- 1993-1997 Founder and Chair, Life Flight Medical Advisory Committee, University of Massachusetts Medical Center, Worcester, MA

1993-1997	Member, Clinical Advisory Group, University of Massachusetts Medical Center, Worcester, MA
1993-1997	Member, Quality Assurance Committee, University of Massachusetts Medical Center, Worcester, MA
1994-1996	Chair, Ambulatory Care & ED Quality Assurance Committee, Mercy Hospital, Springfield, MA
1994-1996	Chair, Emergency Department Provider Committee, Mercy Hospital, Springfield, MA
1994-1996	Co-chair, Pediatric Quality Improvement Team, Mercy Hospital, Springfield, MA
1994-1996	Medical Chief, Administrative Committee, Mercy Hospital, Springfield, MA
1994-1997	Member, Trauma Peer Review Committee, University of Massachusetts Medical Center, Worcester, MA
1995-1996	Co-chair, Ambulatory Care Quality Improvement Committee, Mercy Hospital, Springfield, MA
1995-1996	Member, Mortality Review Committee, Mercy Hospital, Springfield, MA
1997-1997	Member, Information Resources Division Budget Committee, University of Massachusetts Medical Center, Worcester, MA
1997-1999	Member, Emergency Department Redesign Committee, Rhode Island Hospital, Providence, RI
2001-2002	Member, HEICS Implementation Committee, Rhode Island Hospital, Providence, RI
2001-2002	Member, HICS Implementation Committee, Rhode Island Hospital, Providence, RI
2005-Present	Chair, EMS Medical Advisory Committee, Rhode Island Hospital, Providence, RI
2006-2009	Member, Helipad Design Committee, Rhode Island Hospital, Providence, RI
2006-Present	Medical Director, Lifeguard EMS (became LifePACT in 2009), Rhode Island Hospital, Providence, RI
2007-Present	Chair, LifePACT Administration Committee, Rhode Island Hospital, Providence, RI
2007-Present	Medical Director, Ambulance Services, Rhode Island Hospital, Providence, RI
2014-Present	Member, Mobile Integrated Healthcare/Community Paramedicine Committee, Rhode Island Hospital, Providence, RI
2014-Present	Member, Telemedicine and Special Projects Group, Brown Department of Emergency Medicine. The group works on special projects, with a focus on medical informatics and telemedicine, including implementation of Google Glass for consultation.

2014-2022	Member, Triage Re-Design Committee, Rhode Island Hospital, Providence, RI
2020-2025	Member, Physician Administrative Triage Officer of the Day, Rhode Island Hospital, Providence, RI

OTHER COMMITTEES

1986-1995	Member, Safety Committee, Association of Air Medical Services [AAMS]; <i>A US-based trade association representing all aspects of air medical care. Members include aircraft manufacturers, vendors, medical transport programs and other interested parties. Significant international participation by equipment manufacturers and providers of care.</i>
1988-1995, 1998-2008	Member, Air Medical Committee, National Association of EMS Physicians [NAEMSP]; <i>A primarily US association of physicians with a special interest in Emergency Medical Services</i>
1988-1997	Member, Advanced Life Support and Medical Services Committee, Central Massachusetts Emergency Medical Services Corporation [CMEMS]; <i>The regional EMS council for Worcester County</i>
1989-1993	Member, EMT Textbook Editorial Board, American College of Emergency Physicians [ACEP]; <i>The leading association of emergency physicians in the US</i>
1989-1995	Member, Quality Assurance Committee, Association of Air Medical Services [AAMT]; <i>A US-based trade association representing all aspects of air medical care. Members include aircraft manufacturers, vendors, medical transport programs, and other interested parties. Significant international participation by equipment manufacturers and providers of care.</i>
1992	Chair, Training and Education Committee, Central Massachusetts Emergency Medical Services Corporation [CMEMS]; <i>The regional EMS council for Worcester County</i>
1992-1993	Chair, Advanced Life Support and Medical Services Committee, Central Massachusetts Emergency Medical Services Corporation [CMEMS]; <i>The regional EMS council for Worcester County</i>
1992-1996	Member, EMS 2000 Prehospital Care Committee, Massachusetts Department of Health, Office of Emergency Medical Services [MA OEMS]; <i>The lead agency responsible for ambulance and EMT regulation and training in Massachusetts</i>
1992-1997	Member, Protocol Development Committee, Massachusetts Department of Health, Office of Emergency Medical Services [MA OEMS]; <i>The lead agency responsible for ambulance and EMT regulation and training in Massachusetts</i>
1992-1997	Member, State Medical Services Committee, Massachusetts Department of Health, Office of Emergency Medical Services [MA OEMS]; <i>The lead agency responsible for ambulance and EMT regulation and training in Massachusetts</i>

1993-1997	Member, DNR Committee, Massachusetts Department of Health, Office of Emergency Medical Services [MA OEMS]; <i>The lead agency responsible for ambulance and EMT regulation and training in Massachusetts</i>
1994-1998	Chair, Education Committee, Air Medical Physician Association [AMPA]; <i>A professional association focused on quality patient care and education in the critical care transport environment. Membership of approximately 400 physicians, 30% international members. AMPA sponsors several annual educational conferences attracting an international audience.</i>
1997-2000	Chair, Air Ambulance Committee, Rhode Island Department of Health, Center for EMS [RI DOH CEMS]; <i>The lead agency responsible for ambulance regulation, EMS clinician training and practice, and EMS clinician licensure in Rhode Island. Realignment in 2015 changed the name from EMS Division to Center for EMS.</i>
1998-2021	Member, Medical Affairs Committee, Rhode Island Department of Health, Center for EMS [RI DOH CEMS]; <i>The lead agency responsible for ambulance regulation, EMS clinician training and practice, and EMS clinician licensure in Rhode Island. Realignment in 2015 changed the name from EMS Division to Center for EMS.</i>
1998-2022	Member, Rules and Regulations Committee, Rhode Island Department of Health, Center for EMS [RI DOH CEMS]; <i>The lead agency responsible for ambulance regulation, EMS clinician training and practice, and EMS clinician licensure in Rhode Island. Realignment in 2015 changed the name from EMS Division to Center for EMS.</i>
1998-Present	Liaison, USCG, Rhode Island 1 Disaster Medical Assistance Team [RI-1-DMAT]; <i>A team of medical professionals initially organized under the Federal Emergency Management Agency [FEMA] but now under HHS ASPR to provide emergency care in time of disaster. The RI-1 team responded to the World Trade Center September 11, 2001 attack and has been deployed for other disaster events such as the Egypt Air Flight 990 crash (1999), the West Warwick Station fire (2003), Katrina and other hurricanes (2004), COVID missions, hurricane IDA (2021) and hurricane Helene (2024). I was a founding member of the MA-2 DMAT and transitioned to RI-1 in 1998.</i>
1999-2002	Liaison, Association of Air Medical Services Safety Committee, Air Medical Physician Association [AMPA]; <i>A professional association focused on quality patient care and education in the critical care transport environment. Membership of approximately 400 physicians, 30% international members. AMPA sponsors several annual educational conferences attracting an international audience.</i>
2000-2021	Member, EMS for Children Committee, Rhode Island Department of Health, Center for EMS [RI DOH CEMS]; <i>The lead agency responsible for ambulance regulation, EMS clinician training and practice, and EMS clinician licensure in Rhode Island. Realignment in 2015 changed the name from EMS Division to Center for EMS.</i>

2002-2009	Member, Domestic Preparedness Committee, Rhode Island Emergency Management Agency [RI EMA]
2002-Present	Member, Emergency Medical Dispatch Committee, Rhode Island Department of Health, Center for EMS [RI DOH CEMS]; <i>The lead agency responsible for ambulance regulation, EMS clinician training and practice, and EMS clinician licensure in Rhode Island. Realignment in 2015 changed the name from EMS Division to Center for EMS.</i>
2003-2009	Chair, Statewide Trauma System Project: EMS Subcommittee, Rhode Island Department of Health, Center for EMS [RI DOH CEMS]; <i>The lead agency responsible for ambulance regulation, EMS clinician training and practice, and EMS clinician licensure in Rhode Island. Realignment in 2015 changed the name from EMS Division to Center for EMS.</i>
2016-Present	Fellow (Inaugural Member), Academy of Emergency Medical Services
2016	Member, NASEMO /ASPR Expert Panel on Transport of Patients with Highly Infectious Diseases
2017-Present	Member, Qualify and Safety Committee, New England Life Flight dba Boston Med Flight, <i>A critical care air and ground transport program based in Boston.</i>
2021-2022	Member, Standards and Evaluation Committee, National Registry of EMTs [NREMT]; <i>The NREMT serves as the Nation's EMS Certification organization</i>
2021-Present	Member, International Committee, National Registry of EMTs [NREMT]; <i>The NREMT serves as the Nation's EMS Certification organization</i>
2022-Present	Member, Communication Committee, National Registry of EMTs [NREMT]; <i>The NREMT serves as the Nation's EMS Certification organization.</i>
2022-Present	Member, K9 Care Committee, Rhode Island Department of Health, Center for EMS [RI DOH CEMS]; <i>The lead agency responsible for ambulance regulation, EMS clinician training and practice, and EMS clinician licensure in Rhode Island. Realignment in 2015 changed the name from EMS Division to Center for EMS.</i>
2022-Present	Member, Statewide Trauma System Committee, Rhode Island Department of Health, Center for EMS [RI DOH CEMS], <i>The lead agency responsible for ambulance regulation, EMS clinician training and practice, and EMS clinician licensure in Rhode Island. Realignment in 2015 changed the name from EMS Division to the Center for EMS.</i>

MEMBERSHIP IN SOCIETIES

1984-1987	Member, Pennsylvania Chapter, American College of Emergency Physicians [PACEP]
1984-Present	Member, American College of Emergency Physicians [ACEP]

1985-1988	Member, American Society for Testing and Materials [ASTM], EMS Committee
1986-1995	Member, Safety Committee, Association of Air Medical Services [AAMS], <i>A US-based trade association representing all aspects of air medical care. Members include aircraft manufacturers, vendors, medical transport programs, and other interested parties. Significant international participation by equipment manufacturers and providers of care.</i>
1987-1998	Member, Massachusetts College of Emergency Physicians [MACEP]
1988-1995, 1998-	Member, National Association of EMS Physicians [NAEMSP]
1988-1995	Member, Air Medical Committee, National Association of EMS Physicians [NAEMSP], <i>A primarily US association of physicians with a special interest in Emergency Medical Services</i>
1989-1993	EMT, Textbook Editorial Board, American College of Emergency Physicians [ACEP], <i>The leading association of emergency physicians in the US</i>
1989-1995	Quality Assurance Committee, Association of Air Medical Services [AAMS], <i>A US-based trade association representing all aspects of air medical care. Members include aircraft manufacturers, vendors, medical transport programs, and other interested parties. Significant international participation by equipment manufacturers and providers of care.</i>
1989-1998	Founding Member, New England Air Medical Alliance
1989-1998	Founding Member, The North East Air Medical Alliance [NEAA], <i>An alliance of air medical helicopter programs in New England and nearby states, founded as the New England Air Medical Alliance and expanded with a new name when New York programs joined. I organized the alliance in 1989. NEAA meets quarterly to discuss issues of mutual concern and sponsors an annual educational event for flight team members.</i>
1992-1993	Assistant Educational Program Coordinator, Massachusetts College of Emergency Physicians [MACEP], <i>State chapter of ACEP</i>
1992-2001	Member, American Medical Informatics Association [AMIA]
1993-1995	Educational Program Coordinator, Massachusetts College of Emergency Physicians [MACEP], <i>State chapter of ACEP</i>
1994-1997	Chair, Education Committee, Air Medical Physician Association [AMPA], <i>A professional association focused on quality patient care and education in the critical care transport environment. Membership of approximately 400 physicians, 30% international members. AMPA sponsors several annual educational conferences attracting an international audience.</i>
1994-2009	Course Director, Educational Meetings, Air Medical Physician Association [AMPA], <i>A professional association focused on quality patient care and education in the critical care transport environment. Membership of approximately 400 physicians, 30% international</i>

members. AMPA sponsors several annual educational conferences attracting an international audience.

- 1995-1997 Coordinator, Management Roundtable [bi-monthly CME program], Massachusetts College of Emergency Physicians [MACEP], *State chapter of ACEP*
- 1995-2002 Member, Society for Medical Decision Making [SMDM]
- 1997-1998 Chair, Membership Services [includes CME and other educational programs], Massachusetts College of Emergency Physicians [MACEP], *State chapter of ACEP*
- 1997-1999 Air Medical Transport Section, Newsletter Editor, Secretary/Treasurer, American College of Emergency Physicians [ACEP], *The leading association of emergency physicians in the US*
- 1997-2004 Board of Directors, Air Medical Physician Association [AMPA], *A professional association focused on quality patient care and education in the critical care transport environment. Membership of approximately 400 physicians, 30% international members. AMPA sponsors several annual educational conferences attracting an international audience.*
- 1998-1999 Councilor, Massachusetts College of Emergency Physicians [MACEP], *State chapter of ACEP*
- 1998-1999 Treasurer, Massachusetts College of Emergency Physicians [MACEP], *State chapter of ACEP*
- 1998-2000 President-Elect, Air Medical Physician Association [AMPA], *A professional association focused on quality patient care and education in the critical care transport environment. Membership of approximately 400 physicians, 30% international members. AMPA sponsors several annual educational conferences attracting an international audience.*
- 1998-2008 Air Medical Committee, National Association of EMS Physicians [NAEMSP], *A primarily US association of physicians with a special interest in Emergency Medical Services*
- 1998-2008 Co-Chair, Education Committee, Air Medical Physician Association [AMPA], *A professional association focused on quality patient care and education in the critical care transport environment. Membership of approximately 400 physicians, 30% international members. AMPA sponsors several annual educational conferences attracting an international audience.*
- 1998-2009 Course Director, Air Medical Transport Conference (the major annual conference for air medical professionals, Association of Air Medical Services [AAMS], *A US-based trade association representing all aspects of air medical care. Members include aircraft manufacturers, vendors, medical transport programs, and other interested parties. Significant international participation by equipment manufacturers and providers of care.*

1998-Present	EMS Task Force, Rhode Island Chapter, American College of Emergency Physicians [RI ACEP], <i>State chapter of ACEP. Sponsors an annual educational conference and other activities.</i>
1998-Present	Member, Disaster Committee, The New England Council for Emergency Medical Services [NEC]; <i>Members represent New England state EMS agencies in this regional society.</i>
1998-Present	Member, Hospital Planning & Preparedness/EMS Committee, Hospital Association of Rhode Island [HARI]; <i>An association of hospitals in Rhode Island.</i>
1998-Present	Member, National Association of State EMS Directors/Officials [NASEMSD, now NASEMSO].
1998-Present	Physician representative, Rhode Island, National Association of State EMS Officials [NASEMSO], <i>A closed association with membership limited to state EMS directors and affiliated officials who supervise and regulate emergency medical services in the US, approve training curricula and license EMTs and ambulances. Name changed from National Association of State EMS Directors in 2006-2007 in recognition of the additional membership of medical directors, educators, data managers, and others.</i>
1998-Present	Rhode Island Physician Representative, The New England Council for Emergency Medical Services [NEC], <i>Members represent New England state EMS agencies in this regional society.</i>
1999-2000	Vice President, Rhode Island Chapter, American College of Emergency Physicians [RI ACEP], <i>State chapter of ACEP. Sponsors an annual educational conference and other activities.</i>
1999-2008	Liaison, AAMS Safety Committee, Air Medical Physician Association [AMPA], <i>A professional association focused on quality patient care and education in the critical care transport environment. Membership of approximately 400 physicians, 30% international members. AMPA sponsors several annual educational conferences attracting an international audience.</i>
1999-2010	Founding Member, AMPA Co-Representative, Alliance for Critical Care Transport [ACCT], <i>An international alliance of air medical and critical ground transport organizations and associations intended to foster communication among members and improve patient care</i>
1999-2019	Council, representing RI ACEP, Rhode Island Medical Society [RIMS], <i>Society representing all physicians in Rhode Island.</i>

1999-2019	Representative to the Rhode Island Medical Society Council, Rhode Island Chapter, American College of Emergency Physicians [RI ACEP], <i>State chapter of ACEP. Sponsors an annual educational conference and other activities.</i>
1999-	Liaison, Air Medical Physician Association, National Association of State EMS Officials [NASEMSO], <i>A closed association with membership limited to state EMS directors and affiliated officials who supervise and regulate emergency medical services in the US, approve training curricula, and license EMTs and ambulances. Name changed from National Association of State EMS Directors in 2006-2007 in recognition of the additional membership of medical directors, educators, data managers, and others.</i>
1999-2005	Liaison, NASEMSO, Air Medical Physician Association [AMPA], <i>A professional association focused on quality patient care and education in the critical care transport environment. Membership of approximately 400 physicians, 30% international members. AMPA sponsors several annual educational conferences attracting an international audience.</i>
1999-Present	Member, Rhode Island Medical Society [RIMS]
2000-2001	President, Rhode Island Chapter, American College of Emergency Physicians [RI ACEP], <i>State chapter of ACEP. Sponsors an annual educational conference and other activities.</i>
2000-2002	President, Air Medical Physician Association [AMPA], <i>A professional association focused on quality patient care and education in the critical care transport environment. Membership of approximately 400 physicians, 30% international members. AMPA sponsors several annual educational conferences attracting an international audience.</i>
2000-2008	Liaison, Air Medical Physician Association, National Association of EMS Physicians [NAEMSP], <i>A primarily US association of physicians with a special interest in Emergency Medical Services</i>
2001-2003	Past President, Rhode Island Chapter, American College of Emergency Physicians [RI ACEP], <i>State chapter of ACEP. Sponsors an annual educational conference and other activities.</i>
2001-Present	Member, Board of Directors, The New England Council for Emergency Medical Services [NEC], <i>Members represent New England state EMS agencies in this regional society.</i>
2003-2003	Consulted by the Department of State and CDC to participate in the development of guidance for transport of SARS patients, Air Medical Physician Association [AMPA], <i>A professional association focused on quality patient care and education in the critical care transport environment. Membership of approximately 400 physicians, 30% international members. AMPA sponsors several annual educational conferences attracting an international audience.</i>

2004-2003	Associate Editor, Medical Director's Handbook, Air Medical Physician Association [AMPA], <i>A professional association focused on quality patient care and education in the critical care transport environment. Membership of approximately 400 physicians, 30% international members. AMPA sponsors several annual educational conferences attracting an international audience.</i>
2004-Present	Patient Tracking Committee, Hospital Association of Rhode Island [HARI], <i>An association of hospitals in Rhode Island.</i>
2006-Preset	Member, NASEMSO Medical Director's Council
2006-2022	Member, Society for Academic Emergency Medicine
2006-Present	Representative, Rhode Island, National Association of State EMS Officials Medical Director's Council [NASEMSO MDC] <i>A Council of NASEMSO comprised of physician state medical directors with a mission to promote quality and advancement in EMS systems. The MDC was formed in 2006.</i>
2007-Present	Reviewer, Academic Emergency Medicine, Society for Academic Emergency Medicine [SAEM], <i>The leading academic emergency medicine society in the United States</i>
2010	Facilitator, AMPA Board of Directors Strategic Planning Retreat, Air Medical Physician Association [AMPA], <i>A professional association focused on quality patient care and education in the critical care transport environment. Membership of approximately 400 physicians, 30% international members. AMPA sponsors several annual educational conferences attracting an international audience.</i>
2012-2019	Legislative Affairs Committee, Rhode Island Chapter, American College of Emergency Physicians [RI ACEP], <i>State chapter of ACEP. Sponsors an annual educational conference and other activities.</i>
2012-2019	Political Action Committee, Rhode Island Chapter, American College of Emergency Physicians [RI ACEP], <i>State chapter of ACEP. Sponsors an annual educational conference and other activities.</i>
2013-2019	Council of EMS Fellowship Directors, National Association of EMS Physicians [NAEMSP], <i>A primarily US association of physicians with a special interest in Emergency Medical Services</i>
2014-2016	Chair-Elect, National Association of State EMS Officials Medical Director's Council [NASEMSO MDC] <i>A Council of NASEMSO comprised of physician state medical directors with a mission to promote quality and advancement in EMS systems. The MDC was formed in 2006.</i>
2014-2017	Adjunct Councilor, Rhode Island Medical Society [RIMS], <i>Society representing all physicians in Rhode Island.</i>

2015-2015	Conference Leadership, The New England Council for Emergency Medical Services [NEC], <i>Members represent New England state EMS agencies in this regional society.</i>
2016-2019	Chair, National Association of State EMS Officials Medical Director's Council [NASEMSO MDC] <i>A Council of NASEMSO comprised of physician state medical directors with a mission to promote quality and advancement in EMS systems. The MDC was formed in 2006.</i>
2016-2020	Member, Board of Directors, National Association of State EMS Officials [NASEMSO], <i>A closed association with membership limited to state EMS directors and affiliated officials who supervise and regulate emergency medical services in the US, approve training curricula and license EMTs and ambulances. Name changed from National Association of State EMS Directors in 2006-2007 in recognition of the additional membership of medical directors, educators, data managers, and others.</i>
2016-2020	Member, Expert Panel on Enhancing the Ability for EMS to transport patients with Highly Infectious Diseases, National Association of State EMS Officials [NASEMSO], <i>A closed association with membership limited to state EMS directors and affiliated officials who supervise and regulate emergency medical services in the US, approve training curricula and license EMTs and ambulances. Name changed from National Association of State EMS Directors in 2006-2007 in recognition of the additional membership of medical directors, educators, data managers, and others.</i>
2017-2019	Councilor at Large, Rhode Island Medical Society [RIMS], <i>Society representing all physicians in Rhode Island.</i>
2018-Present	EMS Committee, Reappointed 2020, 2022, 2024. American College of Emergency Physicians [ACEP], <i>The leading association of emergency physicians in the US.</i>
2018-Present	Member, Dissemination, Implementation, and Evaluation Committee, Prehospital Guidelines Consortium. <i>A national effort engaging over 50 stakeholder organizations, including AMPA, NASEMSO, NAEMSP, ACS COT, AHA, ACEP, NREMT, AAP, AAEM and NAEMT to promote the development, implementation and evaluation of evidence-based guidelines for prehospital care.</i>
2019-2021	Immediate Past Chair, National Association of State EMS Officials Medical Director's Council [NASEMSO MDC] <i>A Council of NASEMSO comprised of physician state medical directors with a mission to promote quality and advancement in EMS systems. The MDC was formed in 2006.</i>
2021-Present	Member, National Association of Veterinary Emergency Medical Services (NAVEMS). <i>NAVEMS is dedicated to advancing the field of veterinary prehospital care by providing comprehensive educational programs and fostering a strong community of professionals. Our curriculum, designed by industry leaders, equips practitioners with the latest knowledge and</i>

techniques to enhance their expertise. Through networking opportunities, practitioners are able to engage in meaningful dialogue and collaborate with their peers to advance the profession.

2023-Present Rhode Island Chapter, National Association of EMS Physicians Inaugural President-Elect, Chapter formed in 2023 SEPT.

PUBLICATIONS LIST

ORIGINAL PUBLICATIONS IN PEER-REVIEWED JOURNALS

1. **Williams K**, Aghababian, R., Shaughnessy, M.: Statewide EMS Helicopter Utilization Review: The Massachusetts Experience. *Journal of Air Medical Transport*, vol 9 no 9 p 14 September 1990.
2. Aghababian R, **Williams K**, Holbrook J, Lew R: Computer applications in quality assurance. *Emergency Medicine Clinics of North America* August 1992; 10(3):627-647.
3. Karcz A, Holbrook J, Burke MC, Doyle MJ, Erdos MS, Friedman M, Green ED, Iseke RJ, Josephson GW, **Williams K**. Massachusetts emergency medicine closed malpractice claims: 1988-1990. *Ann Emerg Med*. 1993 Mar;22(3):553-559. PMID: 8442544
4. Bruhn JD, **Williams KA**, Aghababian R. True costs of air medical vs. ground ambulance systems. *Air Med J*. 1993 Aug;12(8):262-268. PMID: 10127870
5. **Williams K**, Rose WD, Simon R. Teamwork in emergency medical services. *Air Med J*. 1999;18(4):149-153. PMID: 10622851
6. **Williams K**: Emergency Medical Services – Scene of Injury to Emergency Department – Key Issues for Spinal Cord Injuries, *Medicine and Health/Rhode Island*, March, 2000; 83:3, 72-75.
7. Woolard R, Lai M, Shapiro M, Kobayashi L, Jay G, Suner S, **Williams K**, Sullivan F: Emergency department design after 9/11/2001. *Medicine & Health Rhode Island* Vol 86, No. 7, July 2003, 204-206.
8. **Williams K**, Suner S, Sullivan S, Woolard R: Rhode Island Disaster Initiative. *Medicine & Health Rhode Island* Vol 86, No. 7, July 2003, 207-210.
9. Kobayashi L, Shapiro M, Suner S, **Williams K**: Disaster Medicine: The potential role of high fidelity medical simulation for Mass casualty incident training. *Medicine & Health Rhode Island* Vol 86, No. 7, July 2003, p196-200.
10. Thomas F, Robinson K, Judge T, Eastlee C, Frazer E, Thomas SH, Romig L, Blumen I, Brozen R, **Williams K**, Swanson ER, Hartsell S, Johnson J, Hutton K, Heffernan J, North M, Johnson K, Petersen P, Toews R, Zalar CM: The 2003 Air Medical Leadership Congress: Findings and Recommendations. *Air Med J*. 2004 May-Jun;23(3):20-36.
11. Lubin J, Chung S, **Williams K**: An Assessment of Public attitudes toward automated external defibrillators. *Resuscitation* 2004;62(1):43-47.

12. **Williams, K.A.**, Sullivan, F., Suner, S., Shapiro, M., Kobayashi, L., Woolard, B., Hill, W., and Seekell, C., (2008) Rhode Island Disaster Initiative', *Int. J. Risk Assessment and Management*, Vol. 9, No. 4, pp. 394-408.
13. Cornwall, A. H., N. Zaller, Warren O, **Williams K**, et al. (2012). "A pilot study of emergency medical technicians' field assessment of intoxicated patients' need for ED care." *The American Journal of Emergency Medicine* 2012 Sept;30(7): 1224-1228.
14. **Williams K**, Sullivan F. "Critical Care Transport." *Med Health RI*. 2013;96(12):39-43.
15. **Williams K**, Sullivan F. "The Rhode Island Life Saving Score: A Proposed Life-Saving Definition for EMS and Emergency Medicine." *Med Health RI*. 2013;96(12):35-39.
16. Lauren Morito, Kelly Meehan-Coussee, Francis Sullivan, **Kenneth Williams**. A Case of Tumor Lysis Syndrome Complicated by Disseminated Intravascular Coagulation – Case Reports of the LifePACT Critical Care Transport Team. *RI Med J* (2013). 2021 DEC 1;104(10):12-14.
17. Lauro J, Sullivan F, **Williams K**. "Emergency Medical Technician Education and Training." *Med Health RI*. 2013;96(12):31-34.
18. Mason RC, Suner S, **Williams K**. (2013). "An Analysis of Hiker Preparedness: A Survey of Hiker Habits in New Hampshire." *Wilderness and Environmental Medicine*. 2013; 24(3) 221-7.
19. Sullivan F, **Williams K**, Rhodes J. "An Overview of Prehospital Emergency Medical Services." *Med Health RI*. 2013;96(12):24-27.
20. Sullivan F, **Williams K**. "Physician Medical Direction of Emergency Medical Services." *Med Health RI*. 2013;96(12):28-30.
21. Tsai D, Choi B, Sullivan F, **Williams K**. "Quality Improvement in EMS: A Unique and Challenging Necessity" *Med Health RI*. 2014; 97(8):17-19.
22. Choi B, Blumberg C, **Williams K**. "Mobile Integrated Health Care and Community Paramedicine: An Emerging Emergency Medical Services Concept." *Ann Emerg Med*. 2015; :1-6
<http://dx.doi.org/10.1016/j.annemergmed.2015.06.005>.
23. Asselin N, Proano L, **Williams K**, Partridge R. Circus Disaster: Case report, response, and review of injuries. *Am J Disaster Med*. 2016 Spring;11(2):137-141
24. Choi, Bryan MD, MPH; Asselin, Nicholas DO; Pettit, Catherine C. MD; Dannecker, Max NREMT-I; Machan, Jason T. PhD; Merck, Derek L. PhD; Merck, Lisa H. MD, MPH; Suner, Selim MD; **Williams, Kenneth A. MD**; Jay, Gregory D. MD, PhD; Kobayashi, Leo MD. "Simulation-based Randomized Comparative Assessment of Out-of-Hospital Cardiac Arrest Resuscitation Bundle Completion by Emergency Medical Service Teams Using Standard Life Support or an Experimental Automation-assisted Approach" *Simulation in Healthcare: The Journal of the Society for Simulation in Healthcare*: December 2016 - Volume 11 - Issue 6 - p 365–375.

25. **Williams K**, Lang ES, Panchal AR, Gasper JJ, Taillac P, Gouda J, Lyng JW, Goodloe JM, Hedges M. Evidence-Based Guidelines for EMS Administration of Naloxone. *Prehosp Emerg Care*. 2019 MAR 29;1-15.
26. Asselin N, **Williams K**. Out-of-Hospital Cardiac Arrest (OHCA) in Rhode Island: Can We Do Better? *R I Med J* 2019 May 1;102(4):15-16.
27. Kobayashi L, Asselin N, Choi B, Dannecker M, **Williams K**. Comparison of EMS Provider In-Transit Performance and Exertion with Standard and Experimental Resuscitation Protocols during Simulated Out-of-Hospital Cardiac Arrest. *R I Med J* 2019 May 1;102(4):23-29.
28. Rhodes J, **Williams K**. Data Utilization in Emergency Medical Services. *R I Med J* 2019 May 1;102(4):17-19.
29. Jayaraman MV, Hemendinger ML, Baird GL, et al. **Williams, K**. Field triage for endovascular stroke therapy: a population-based comparison. *Journal of NeuroInterventional Surgery* Published Online First: 04 September 2019. doi: 10.1136/neurintsurg-2019-015033.
30. **Kenneth A Williams**, Brendan C. Berry, Allen Yee, A. Keith Wesley, Kevin Sirmons & Benjamin J. Lawner on behalf of NASEMSO, AMPA, and NAEMSP. Code of Ethics for EMS Physician Medical Directors, Prehospital Emergency Care, DOI: 10.1080/10903127.2020.1808747, published online 2020 OCT 12 PMID: 32790485
31. John Lyng, Kathleen Adelgais, Rachael Alter, Justin Beal, Bruce Chung, Toni Gross, Marc Minkler, Brian Moore, Tim Stebbins, Sam Vance, **Ken Williams** & Allen Yee. (2021) Recommended Essential Equipment for Basic Life Support and Advanced Life Support Ground Ambulances 2020: A Joint Position Statement, *Prehospital Emergency Care*, 25:3, 451-459 DOI: 10.1080/10903127.2021.1886382 PMID: 33557659
32. Kienbacher, C.L.; Tanzer, J.R.; Wei, G.; Rhodes, J.M.; Roth, D.; **Williams, K.A.** Increases in Ambulance Call Volume Are an Early Warning Sign of Major COVID-19 Surges in Children. *Int. J. Environ. Res. Public Health* 2022, 19, 16152. <https://doi.org/10.3390/ijerph192316152> PMID: 36498225.
33. Calvin Lukas Kienbacher, Norah Al Rasheed, Ibrahim Aldeghaither, Esam Barnawi, Jason Rhodes, Harald Herkner, **Kenneth A Williams**. Risk Factors for Busy Days in EMS, A Comprehensive Model. In preparation 2022 SEPT.
34. Thorndike J, Rhodes J, Roberts-Santana C, **Williams K**. Calls of Despair: An EMS Perspective on Suicide and Overdose in Rhode Island during COVID-19. *RI Med J* 2023 FEB 1;106(1):42-47. PMID: 36706208.
35. Calvin Lukas Kienbacher, Guixing Wei, Jason Rhodes, Harald Herkner, **Kenneth A Williams**. Socioeconomic Risk Factors for Pediatric Out-of-Hospital Cardiac Arrest: A Statewide Analysis. 2023 Apr 28;24(3):572-578. Doi: 10.5811/westjem.59107 PMID: 37278807.

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37. Kienbacher CL, Wei G, Rhodes JM, Herkner H, Roth D, **Williams KA**. Risk factors for pediatric intoxications in the prehospital setting. A geospatial survey. *Front Public Health*. 2024;12:1296250. PMID: 38333741. PMCID: PMC10851149. <https://doi.org/10.3389/fpubh.2024.1296250>. Epub 2024 Jan 25.

38. Kienbacher CL, Schreiber W, Herkner H, Holzhacker C, Chwojka CC, Tscherny K, Egger A, Fuhrmann V, Niederer M, Neymayer M, Bernert L, Gamsjäger A, Grünbeck I, Heitger MB, Saleh L, Schmidt S, Schönecker S, Wirth D, **Williams KA**, Roth D. Drone-Facilitated Real-Time Video-Guided Feedback Helps to Improve the Quality of Lay Bystander Basic Life Support. A Randomized Controlled Simulation Trial. *Prehosp Emerg Care*. 2025;29(1):46-52. PMID: 38776259. <https://doi.org/10.1080/10903127.2024.2351970>. Epub 2024 May 30.

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40. Kienbacher C, Al Rasheed N, Aldeghaither I, Barnawi E, Rhodes J, Herkner H, Alemu F, Roth D, **Williams K**: Changes of public behaviour alter weather dependent strain on emergency medical services. *Wold J Emerg Med* 2025;16(4):000-000 DOI 10.5847/wjem.j.1920-8642.2025.056.

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42. Elise Solazzo, Sai Gopal Jarabana, Janette Baird, Siraj Amanullah, **Kenneth Williams**, Emily Shearer: Impact of Acute, Major Infrastructure Failure on Emergency Medical Service Transport Times in Rhode Island. *R I Med J* (2013). 2026 Jul 1;109(7):58-62.

43. Emma P. Butler, **Kenneth A. Williams**, Existing protocols for sedation, pain management, and communication techniques for patients with disabilities in emergency medical services: A descriptive study, *Disability and Health Journal*, 2026, 102116, ISSN 1936-6574, <https://doi.org/10.1016/j.dhjo.2026.102116>.

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2. **Williams K:** Speak to me: Managing risk with voice recognition technology. *Healthcare Informatics* September 1992; 9(9):58-62.
3. **Williams K:** Air Medical Care. *European Hospital Decisions*. Accepted for publication, September 2000.
4. **Williams K:** Air Medical Care Programmes. *Emergency Response and Disaster Management 2001*. International Assn. Of Emergency Managers, London. 3; 2001, 9-12.
5. **Williams K:** Great Fakes: Simulation in Air Medical Training *Air Medical Journal Forum* Vol 20, Number 6 January / February 2001.
6. **Williams K:** A Cookbook for Safety. *Air Medical Journal Forum* Vol 20, Number 2 March / April 2001.
7. **Williams K:** A Scene Flight at 31,000 feet: A New Habit? *Air Medical Journal Forum* Vol 20, Number 3 May / June 2001.
8. **Williams K:** Singing and Dancing Together: CCTMC Report. *Air Medical Journal Forum* Vol 20, Number 4 July / August 2001.
9. **William K:** Ethics in Air Medical Care *Air Medical Journal Forum* Vol 20, Number 5 September / October 2001.
10. **Williams K:** Heroic Measures: September 11, 2001 *Air Medical Journal Forum* Vol 20, Number 6 November / December 2001.
11. **Williams K:** AMPA for Everyone. *Air Medical Journal Forum* Vol 21, Number 2. July/August 2002.
12. **Williams K:** The Air Medical Leadership Congress. *Air Medical Journal Forum*. Vol 21, Number 3 September/October 2002.
13. AMPA [**Williams K**, President] Appropriateness of Air Medical Transport in Acute Coronary Syndromes. Position Statement of the Air Medical Physician Association. *Prehospital Emergency Care* Oct/Dec 2002. Vol 6 Number 4. 471.
14. AMPA [**Williams K**, President] Medical Condition List and Appropriate Use of Air Medical Transport. Position Statement of the Air Medial Physician Association. *Prehospital Emergency Care* Oct/Dec 2002. Vol 6 Number 4. 464-470.
15. AMPA [**Williams K**, President] Medical Direction and Medical Control of Air Medical Services. Position Statement of the Air Medical Physician Association. *Prehospital Emergency Care* Oct/Dec 2002. Vol 6 Number 4. 461-463.
16. Thomas, S and **Williams, K:** Flight Physician Training Program – Core Content. Position Paper, National Association of EMS Physicians, Air Medical Services Task Force. *Prehospital Emergency Care* Oct/Dec 2002. Vol 6 Number 4. 459-460.

17. **Williams K**: Smallest state tackles big readiness project. *Homeland Protection Professional*, January/February, 2003, p16-20.
18. Kobayashi L, **Williams K**, Morey J, Shapiro M, Counihan T, TATRC Reserve Medical Component Training (RCT) Case Scenarios. MedEdPORTAL; 2007. Available from: <http://services.aamc.org/jsp/mededportal/retrieveSubmissionDetailByld.do?subld=524>.

BOOKS AND BOOK CHAPTERS

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3. **Williams K**: The Pregnant Patient. In: May H, Aghababian R, Fleisher G [eds.]: Emergency Medicine, second edition Boston, Little Brown and Co. 1992.
4. **Williams K**: Restuccia M, Allison E J Jr, March J, Hunt R, Emergency Medical Services/Disaster Medicine [7 chapter sections] in Aghababian R, Emergency Medicine, The Core Curriculum, Lippincott-Raven, 1998.
5. Lubin J, & **Williams K**: Peritonsillar Abscess, in eMedicine, an internet online medical text www.emedicine.com, 1999.
6. **Williams K**, & Williams A: Advanced Directives, in Rosen, Barkin et al, The 5 Minute Emergency Medicine Consult, Williams & Wilkins, 1999.
7. Rayman R, & **Williams K**: The Passenger and The Patient Inflight. In DeHart R , Davis J [ed.] Fundamentals of Aerospace Medicine, 3rd Edition, Lippincott Williams & Wilkins, 2002.
8. Robinson K, & **Williams K**: Medical Oversight. in Standards for Critical Care and Specialty Ground Transport. James S ed. Air & Surface Transport Nurses Association, 2002.
9. **Williams K**, Williams A et al: Disaster and MCI Response. In Principles and Direction of Air Medical Transport, AMPA, Blumen, Lemkin eds. Section editors Brozen, Doyle Williams 2006.
10. Robinson K, Suozzi J, **Williams K**: Air Medical Transport. In The Medical Student Survival Guide, Emergency Medicine Resident's Association. 2007.
11. **Williams K**: Disaster Informatics. In Disaster Medicine, Oxford University Press, 2012.
12. **Williams K**, Kobayashi L, Shapiro M: Disaster Education and Research. In Ciotto's Disaster Medicine 2nd Edition, Elsevier, 2015.
13. **Williams K**, Williams A, Blumen I: Air Medical Response to Disaster And Multiple Casualty Incidents. In Principles and Direction of Air Medical Transport, 2nd ed. Blumen ed., AMPA 2015.

14. **Williams K:** Medical Control. In Cooney's EMS Medicine, McGraw Hill, 2015.
15. **Williams K:** Medical Simulation. In Principles and Direction of Air Medical Transport, 2nd ed. Blumen ed., AMPA 2015.
16. **Williams K:** Protocols. In Cooney's EMS Medicine, McGraw Hill, 2015.
17. **Williams K:** Emergency Medical Services Systems, chapter in Stine, Emergency Medicine, Little Brown, 1995.
18. **Williams K:** Air Medical Systems, chapter in Harwood-Nuss, Linden, Emergency Medicine, 2nd edition Lippincott-Raven, 1996, submitted revision for 3rd edition, 2000.
19. **Williams K:** Emergency Medical Informatics, chapter in Harwood-Nuss, Linden, Emergency Medicine, 2nd edition Lippincott-Raven, 1996, submitted revision for 3rd edition, 2000.
20. **Williams K:** Public Relations, Transfer Agreements, EMS System Activation. A 3 chapter section in Air Medical Crew National Standard Curriculum, second edition, US Dept of Transportation. Accepted for publication, July 2000.
21. **Williams K.** Chapter 64 Disaster Education and Research. In Ciotto's Disaster Medicine 3rd Edition, Elsevier, 2023 ISBN 978-0-323-28665-7.
22. **Williams K:** Do What You Like; Chapter in Leadership in Action: The Wisdom and Stories of EMS Innovators, edited and published by Donnie R. Woodyard, Jr, 2025

OTHER NON-PEER REVIEWED PUBLICATIONS

1. Associate Editor, Medical Director's Handbook, published in 2006 as a bound textbook. Air Medical Physician Association [AMPA]; *A professional association focused on quality patient care and education in the critical care transport environment. Membership of approximately 400 physicians, 30% international members. AMPA sponsors several annual educational conferences attracting an international audience.*

ABSTRACTS

1. **Williams K,** Kaplan R, Stewart R: Blood Ethanol Estimation from Saliva Testing, A Clinical Trial. Presented at UAEM, May 1987.
2. **Williams K,** White S, Kaplan R: Lung Compliance Changes in Tension Pneumothorax, A Sheep Model. Presented at UAEM, May 1987.
3. LaPlante G, Gore J, Corrao J, **Williams K:** Feasibility and Safety of Transport in AMI Patients by Helicopter During Thrombolytic Therapy with rT-PA. Presented at ASHBEAMS Annual Meeting, September, 1988.
4. **Williams K,** Klainer P, Aghababian R, Podgorny E: Emergency Transfer of Cardiac Patients: A Decade of Evolution. Presented at the 3rd International Conference on Emergency Medicine, Toronto, 1990.

5. **Williams K**, Bradstreet B, Spencer W: LogER: An Integrated Emergency Department Patient Log System, 1996 AMIA Annual Fall Symposium, Washington, DC, October, 1996.
6. Eliot C, **Williams K**, Woolf B: An intelligent learning environment for Advanced Cardiac Life Support, paper presentation, 1996 AMIA Annual Fall Symposium, Washington, DC, October, 1996.
7. Williams A, **Williams K**: The Virtual Doctor Home Page: A Lay Public Medical Resource, Presented at the 1996 AMIA Annual Fall Symposium, Washington, DC, October, 1996.
8. Lubin J, Chung S, **Williams K**: An assessment of public attitudes and knowledge about automated external defibrillation. Poster presented at NAEMSP, January 2002, Tucson, AZ.
9. Shapiro M, Kobayashi L, **Williams K**, Sullivan F, Seekell CL, Suner S. Use of personal protective equipment does not impede airway management in an environment simulating a chemical weapons of mass destruction (WMD) attack. Annual International Meeting on Medical Simulation 2004.
10. Suner S, **Williams K**, Shapiro M, Kobayashi L, Woolard R, Sullivan F. Effect of personal protective equipment (PPE) on rapid patient assessment and treatment during a simulated chemical weapons of mass destruction (WMD) attack. Society for Academic Emergency Medicine Annual National Meeting 2004. Acad Emerg Med 2004; 11(5): 605.
11. **Williams K**, Sullivan F, Suner S, Shapiro M, Kobayashi L, Woolard R, Seekell C: Do first responders enter unsafe environments? Poster presented at New England Research Director's Conference, April 2004 and at SAEM, May 2004 moderated session.
12. **Williams K**, Sullivan F, Suner S, Shapiro M, Kobayashi L, Woolard R, Seekell C, Trespalacios F: Triage Behavior of First Responders. Presented at SAEM, May 2004.
13. Suner S, **Williams K**, Shapiro M: Effect of Personal Protective Equipment (PPE) on Rapid Patient Assessment and Treatment During a Simulated Chemical Weapons of Mass Destruction (WMD) Attack. Presented at SAEM, May 2004 moderated session.
14. Shapiro M, Suner S, Kobayashi L, **Williams K**, Sullivan F, Jay G. Simulation Training in Emergency Preparedness (STEP): A statewide Weapons of Mass Destruction (WMD) training program for hospital personnel. Annual International Meeting on Medical Simulation 2005.
15. Shapiro MJ, **Williams KA**, Kobayashi L, Morey JC, Counihan T, Overly F, Sullivan F, Suner S, Jay G. Civilian medical simulation centers as a regional resource for training and skill sustainment of Reserve Component medical personnel in combat casualty care. Annual International Meeting on Medical Simulation 2006. Simulation in Healthcare 2006; 1(2): 120.
16. Morey JC, , **Williams KA**, Kobayashi L, Counihan TC, Norman B, Holland J, Langford V, Skill sustainment for national guard and reserve medical personnel through web-based training and human patient simulation, Final Report for Award Number W81XWH-06-C-0060 prepared for US Army Medical Research and Materiel Command December 2006.

17. Kobayashi L, **Williams KA**, Jones M, Marcotte S, Jay G. Mobile / Transitive Incident Operational Needs (MoTION) simulation. Lifespan Research Celebration 2007 and Annual International Meeting on Simulation in Healthcare 2008.
18. Kobayashi L, Patterson MD, Overly FL, Shapiro MJ, **Williams KA**, Jay GD. Educational and Research Implications of Portable Human Patient Simulation in Acute Care Medicine. *Acad Emerg Med* 2008; 15(11): 1166-74.
19. Mason R, Suner S, **Williams K**: Hiker Preparedness in New Hampshire. Poster presented at Wilderness Medicine Society conference, Park City Utah, January 2012.
20. Choi B, Asselin N, Pettit C, Dannecker M, Jones M, Merck L, Suner S, **Williams KA**, Jay G, Kobayashi L. Standard and Automated Device-Assisted Pre-hospital Cardiac Arrest Resuscitation Approaches International Meeting for Simulation in Healthcare, New Orleans LA, January 2015.
21. Jayaraman M, Hemendinger M, Baird G, Yaghi S, Cutting S, Saad A, Siket M, Madsen T, **Williams K**, Furie K, McTaggart R. EMS Triage to CSC Reduces Time to Treatment and Improves Outcomes in Patients With Large Vessel Occlusion. International Conference on Stroke, Los Angeles, CA 2018 January. https://doi.org/10.1161/str.49.suppl_1.95 *Stroke*. ;49:A95.
22. **Williams K**, Francis S (added as posthumous author by editor). Drive Like Scott: Important Reasons to Embrace Excellent Ambulance Driving. *Journal of Emergency Medical Services*, 2019 JUNE 03. <https://www.jems.com/articles/2019/06/drive-like-scott-important-reasons-to-embrace-excellent-ambulance-driving.html>.
23. Pasichow S, Boardman T, Dinsmore M, **Williams K**. Saving Lives. Application of the RILSS to LifePACT Critical Care Transport IRB approved, abstract accepted for poster presentation at NASEMSO 2020 Annual Meeting.
24. Thorndike J, Rhodes J, Roberts-Santana C, **Williams K**. Calls of Despair: An EMS perspective on suicide and overdose in RI during COVID-19. Abstract and Poster presented at NASEMSO Annual Meeting, 2022 June, Charleston, SC. Honorable Mention awarded.
25. Elise Solazzo, Kerry McCans, Sylvia Owusu-Ansah, **Kenneth Williams**. When Should EMS Call a Child a Small Adult: Inconsistency in Protocol Definitions. . Abstract and Poster presented at NASEMSO Annual Meeting, 2024 MAY, Pittsburgh, PA.
26. Ferreira K, Umbriano M, Rossmeisl E, Rhodes J, **Williams K**, Evaluation of the Mental health Temperature of Rhode Island Emergency Medical Services. Abstract and Poster presented at the NASEMSO Annual meeting, 2025 MAY, Grand Rapids, MI.
27. Elise Solazzo, Emily Shearer, Sai Gopal Jarabana, Janette Baird, Siraj Amanullah, **Kenneth Williams**. Impact of Infrastructure Failure on EMS Transport Times: A Case Study in Rhode Island Abstract and Poster presentation, SAEM Annual Meeting, 2025 MAY, Philadelphia, PA

- 28 Emma P. Butler, **Kenneth A Williams**: Analyzing Existing Protocols for Patients with Disabilities in the Emergency Setting. AMA Research Presentation 2025 JULY
- 29 Loew N, **Williams K**: Creating an EMS Protocol Database to Facilitate Future Prehospital Research. NASEMSO Annual Meeting 2026 APR, Kansas City, MO.
- 30 Leow N, **Williams K**: Demographic patterns, seasonality, and anatomic distribution of burns treated by RI EMS Agencies. NASEMSO Annual Meeting 2026 APR, Kansas City, MO.
- 31 Butler EP, **Williams K**: Analyzing Existing Protocols for Sedation, Pain Management, and Communication Techniques for Patients with Disabilities in Emergency Medical Services: A Descriptive Study. NASEMSO Annual Meeting 2026 APR, Kansas City, MO.

SCHOLARLY WORK PUBLISHED IN OTHER MEDIA (NON PEER REVIEWED)

1. Featured in an article on New England Life Flight, "Hovering between life and death." Inside Worcester magazine, September 1990.
2. Interviewed for feature on prehospital physicians for "The Doctor is In", New Hampshire Public Television, 1991.
3. Interviewed for feature on speech recognition technology for "Invention", Discovery Channel, 1991.
4. Featured in an article on New England Life Flight, "On the Life Flight." Worcester Telegram and Gazette, 1992.
5. Featured on "Abdominal Pain Risk Management" for CME TV, a physician educational video series, 1992.
6. Interviewed for program on New England Life Flight, Greater Media Cable, 1992.
7. Interviewed for feature article Hassig, J: At-the-scene data capture. Healthcare Informatics March 1992; 9(3):18.
8. Featured in article on New England Life Flight, "Aerial Trauma Response." Springfield Sunday Republican, March 29, 1992.
9. Tape distributed of lecture "The Medical Record of the Year 2000." delivered at the New England Healthcare Assembly, April, 1992.
10. Featured in cover article on New England Life Flight, Hospital News, May, 1992; 10[5].
11. Interviewed for program on New England Life Flight, First Priority, Pittsfield Cable Television, 1993.
12. Interviewed for article on speech recognition systems, AMA American Medical News, April 26, 1993.
13. Featured in Kurzweil AI VoiceEM Training Video, 1994.

14. Interviewed for article on Life Flight expansion, Hampshire Gazette, April, 1994.
15. Interviewed for article on Life Flight expansion, Univ. of Mass Amherst Collegian, April, 1994.
16. Interviewed for article on Life Flight expansion, Worcester Telegram and Gazette, April, 1994.
17. Interviewed for program on emergency care, Boston Channel 5 Chronicle, April, 1994.
18. Interviewed for news feature on inhaled toxins, Springfield Channel 22, August, 1994.
19. Interviewed for news feature on air medical care, Springfield Channel 40, October 1994.
20. Interviewed for article on health during commercial flight, Women's World, April, 2000.
21. Interviewed for news feature on apparent death and hypothermia, Providence Channel 12, January 25, 2001.
22. Interviewed for NPR feature on ambulance diversion and emergency department overcrowding, WRNI, public radio, Providence, RI, May, 2001.
23. Interviewed regarding anthrax and other bioterrorism threats, Providence Channel 10, September, 2001.
24. **Williams KA.** Annotated bibliography of references and resources. Deliverable for Rhode Island Disaster Initiative project phase I. 2003.
25. **Williams KA.** Vulnerability assessment. Deliverable for Rhode Island Disaster Initiative project phase I. 2003.
26. Invited to provide Congressional testimony, Task Force on Homeland Security, June 24, 2003.
27. Interviewed for feature on homeland security funding, Providence Journal, August, 2003.
28. Audio Digest tape of lecture delivered in New Hampshire on Receiving the HAZMAT Patient distributed, Fall 2005.
29. Interviewed regarding the Station Nightclub Fire and disaster response, CNN (background audio), January 2006.
30. Interviewed regarding dedication of Lifeguard EMS ambulance, Providence Channel 12, March 2006. Event attended by entire RI Congressional Delegation.
31. Interviewed regarding cyanide exposure to Providence firefighters, Providence TV Channels, aired November, 2006.
32. Interviewed regarding STEMI care by EMS in RI, March 2009.
33. Interviewed on a NEJM article related to mortality during marathons by Kaiser Health, April 2017.
34. Interviewed regarding use of nitrous oxide by EMS for ACEP News article, 2017 SEPT.

35. Interviewed for NPR RadioLab feature on EMS and the opioid crisis, Peter Smith, 2018 MAR 28, 2018 SEPT.
36. Interviewed for NPR News feature on E911 telephone CPR, Lynn Arditi, RIPR, 2018 MAR 29.
37. Interviewed regarding opiate overdoses and EMS by Newsday, July 2018.
38. Reviewed and provided feedback on NPR RadioLab feature on EMS and the opioid crisis, 2019 MAY 18. Episode "The Good Samaritan" aired 2019 MAY 24.
39. EMS Focus: A Collaborative Federal Webinar Series. Presented Evidence-Based EMS Naloxone Guideline development project on this NHTSA-sponsored national EMS Webinar 2019 NOV.
40. Interviewed for Pro Publica radio and print article on EMS airway management by Lynn Arditi. Episode aired on The Public's Radio, 2019 DEC 03 at 0500.
41. Improving Stroke Care. ACEP Webinar with Dr. Jayaraman and Gino Paolucci, NP. 2021 OCT.
41. HeliService USA Leads the Way in Offshore EMS. The Uptime Wind Energy Podcast. Uptime Spotlight. With Michael Tosi, Paul Russo, and Kenneth Williams, 2025 APR 03

INVITED PRESENTATIONS

Regional

1. Torticollis, Emergency Medicine Grand Rounds Presentation, University of Pittsburgh, 2/1987
2. Law and Emergency Medicine, Grand Rounds, University of Pittsburgh, 6/1987
3. Vaginitis, Emergency Medicine Grand Rounds Presentation, University of Massachusetts, 11/1987
4. Abdominal Pain, Emergency Medicine Grand Rounds Presentation, University of Massachusetts, 2/1988
5. Benefits of Advanced Life Support, Testimony before Mayor's Select Committee on Ambulance Care, Fitchburg, MA, 10/1988
6. History of Emergency Medicine and Air Medical Care, Massachusetts Association of EMTs Annual Convention, Springfield, MA, 10/1988
7. Advanced Paramedic Skills, Burbank Hospital Prehospital Care Conference, Fitchburg, MA, 11/1988
8. The Moribund Trauma Patient and Life Flight, Emergency Medicine M&M Conference, University of Massachusetts, 1/1989
9. Advanced Paramedic Skills, Burbank Hospital Prehospital Care Conference, Fitchburg, MA, Fitchburg, MA, 4/1989

10. Helicopter Utilization Review, Emergency Medicine M&M Conference, Univ. of Mass, University of Massachusetts, 4/1989
11. Medical Direction Options, Burbank Hospital Prehospital Care Conference, Fitchburg, MA, Fitchburg, MA, 4/1989
12. Orthopedic Emergencies, CEDNEP Nursing Triage Program, University of Massachusetts, 4/1989
13. Airway Management, Emergency Medicine Conference, University of Massachusetts, 6/1989
14. Patient Satisfaction and the Business of Medicine, Emergency Medicine Conference, University of Massachusetts, 9/1989
15. Medical Direction, Massachusetts Association of EMTs, Springfield, MA, 12/1989
16. Quality Assurance and Patient Satisfaction, Emergency Medicine Conference, University of Massachusetts, 2/1990
17. Documentation and Computers in the ED, Emergency Medicine Conference, University of Massachusetts, 3/1990
18. Air Medical Care and Medical Direction, EMT Class, STCC, Springfield, MA, 5/1990
19. Air Medical Services: a Technology Assessment, Emergency Medicine Conference, University of Massachusetts, 7/1990
20. Voice Activated Dictation of Emergency Medical Reports, Risk Management Seminar, University of Massachusetts, 7/1990
21. Prehospital Care Rounds, University of Massachusetts, 10/1990
22. Use of Air Medical Services, Barre Regional Health Center, Barre, MA, 11/1990
23. Prehospital Care Rounds, University of Massachusetts, 12/1990
24. Air Medical Care in New England; A Decade of Progress, Grand Rounds, University of Massachusetts, 1/1991
25. Emergency Thoracic Decompression, CMEMS Paramedic Course, Holden, MA, 2/1991
26. Prehospital Care Rounds, University of Massachusetts, 2/1991
27. Air Medical Helicopter and Emergency Department Tour, JCC Preschool, Worcester, MA, 3/1991
28. Medical Emergencies EMT Course, Holy Cross College, Worcester MA, 3/1991
29. Quality Management and ED Triage, ED Triage Training Course, University of Massachusetts, 3/1991
30. Air Medical Care, A Community Service, Gardner Rotary Club, Gardner, MA, 6/1991
31. Prehospital Care Rounds, University of Massachusetts, 6/1991

32. Prehospital Care Rounds, University of Massachusetts, 9/1991
33. Trends in Trauma, Air Medical Care, Trauma conference, University of Massachusetts, 9/1991
34. Community Importance of Air Medical Care, Greendale Retired Men's Club, Worcester, MA, 10/1991
35. Medical Computer Applications, Worcester State College, Worcester, MA, 11/1991
36. Voice Recognition Computer Systems for Emergency Medicine, Presentation to Board of Trustees, University of Massachusetts, 11/1991
37. Air Medical Care, Harrington Memorial Hospital ED Rounds, Harrington Memorial Hospital, Southbridge, MA, 5/1992
38. Air Medical Care in New England, a Decade of Progress, Shrewsbury Rotary, Shrewsbury, MA, 5/1992
39. The Value of Helicopter Ambulance Systems, Greendale Retired Men's, Club Worcester, MA, 5/1992
40. Spinal Cord Trauma: Perspective from the Accident Scene, New England Rehabilitation Hospital, Salem, NH, 6/1992
41. Voice Recognition and Emergency Medical Records Generation, Massachusetts Medical Records Association annual meeting, Sturbridge, MA, 6/1992
42. Use of Voice Recognition Documentation Systems in Academic Emergency Departments, Emergency Medicine Residency Conference, Boston City Hospital, Boston, MA, 7/1992
43. EMS Technology of the Future, Second Annual Trauma Conference, University of Massachusetts, 2/1993
44. Use of Air Medical Services, Western Massachusetts EMS council, Northampton, MA, 3/1993
45. EMS 2000: Technology of the Future, EMS Week Keynote Speech, Franklin Medical Center, Greenfield, MA, 5/1993
46. Quality Improvement at Life Flight, University of Massachusetts Quality Leadership Training, University of Massachusetts, 7/1993
47. ACLS Megacode, University of Massachusetts, 11/1993
48. ATLS Testing, University of Massachusetts, 1/1994
49. Advanced Skills Cadaver Lab, Life Flight, University of Massachusetts, 3/1994
50. Air Medical Care, EM Resident Lecture, University of Massachusetts, 3/1994
51. Emergency Medical Informatics: An Introduction, Emergency Medicine Faculty Retreat, University of Massachusetts, 3/1994
52. Trauma in Pregnancy, Joint Mass ENA / ACEP Conference, Marlborough, MA, 3/1994

53. Use of Air Medical Services, Northeast Division, National Ski Patrol Training Program, Princeton, MA, 3/1994
54. Life Flight, History and Future, UMMC Foundation, University of Massachusetts, 6/1994
55. Air Medical Care in Western Massachusetts, EMS/Trauma Conference, Baystate Medical Center, Springfield, MA, 10/1994
56. Air Medical Care, Western Mass EMS Convention, Springfield, MA, 10/1994
57. Air Medical Care, Yale University Hospital, New Haven, CT, 10/1994
58. Cardiac Emergencies, EMS Management Program, Springfield College, Springfield, MA, 11/1994
59. Trauma, EMT Course, Central High School, Springfield, MA, 1/1995
60. Emergency Procedures Lab, Resident and Flight Nurse Cadaver Lab, University of Massachusetts, 3/1995
61. Helicopters and Medical Care, Mercy Hospital CPC, Springfield, MA, 3/1995
62. Childbirth, Pediatrics, Shock and Survival, EMT Course, STCC, Springfield, MA, 7/1995
63. Medical and Traumatic Emergencies, EMT Course, STCC, Springfield, MA, 7/1995
64. Neuroanatomy and Physiology, Paramedic Program, Springfield College, Springfield, MA, 8/1995
65. Personal Stress Management, Life Flight Seminar, Turner's Falls, MA, 8/1995
66. Personal Stress Management, Life Flight Seminar, University of Massachusetts, 9/1995
67. "Crew Resource Management" for Medical Crew, UMMC EM Grand Rounds, University of Massachusetts, 2/1996
68. ED Occupational Risks, MACEP Management Roundtable, Marlborough, MA, 9/1996
69. Musculoskeletal Trauma CMEMS EMT Course, CMEMS EMT Course, Holden, MA, 10/1996
70. Trauma Treatment, Nashoba Valley EMT Course, Ayer, MA, 10/1996
71. Comparative EMS Systems, Massachusetts and NSW Australia, with Ross Findlay, Station Officer, NSW Ambulance, UMMC EM Grand Rounds, University of Massachusetts, 11/1996
72. Emergency Medicine Careers, Science Day, Shrewsbury Middle School, Shrewsbury, MA, 11/1996
73. Evaluating Clinical Performance, MACEP Management Roundtable, Framingham, MA, 11/1996
74. Emergency Department Ultrasound, MACEP Management Roundtable, Framingham, MA, 2/1997
75. Sepsis, UMMC Emergency Medicine Grand Rounds, University of Massachusetts, 4/1997
76. EMS Vehicle and Crew Choice, EM Resident Conference, Rhode Island Hospital, Providence, RI, 8/1997

77. Blood Borne Pathogens, United States Coast Guard, Castle Hill Station, Newport, RI, 4/1998
78. EMS System Design, Base Station Course, Rhode Island Hospital, Providence, RI, 4/1998
79. Air Medical Care in EMS for Children, EMSC Spring Training, RI Department of Health/EMSC, Warwick, RI, 5/1998
80. The Aviation Background of Teamwork Training, University Emergency Medicine Foundation Retreat, Providence, RI, 5/1998
81. DMAT response to WTC Terrorist Incident, Terrorist Health Threats: A Program for Physicians, Rhode Island Medical Society, Warwick, RI, 11/2001
82. EMS and Stroke Treatment, 4 sessions, Regional EMS Lecture, Rhode Island Department of Health and RI American Heart Association/American Stroke Association, Providence, RI Area, 9/2002-12/2002
83. Update on Disaster Management, Massachusetts Association of Healthcare Executives, Waltham, MA, 6/2003
84. The Rhode Island Disaster Initiative and Disaster Response, RI-1 DMAT Conference, Providence, RI, 3/2004
85. A Method to the Madness: Trauma Systems Development in Rhode Island, The 16th Kiwanis Pediatric Trauma Management Seminar, Providence, RI, 11/2004
86. Pediatric Trauma Triage, New England EMS for Children Conference, Newport, RI, 11/2004
87. Response to Major Incidents, Rhode Island Department of Health and Emergency Management Agency, Providence, RI, 8/2006
88. EMS Disaster Response, Institute for Emergency Medical Education, Taunton, MA, 10/2006
89. ACLS Update, Paramedic Refresher Program, Providence, RI, 1/2007
90. Major Incident Support Training, 11 sessions, Train-the-trainer Program, Providence, RI, 3/2007-10/2007
91. Objective Disaster Drill Scoring, 3rd Annual RI Disaster Responder Conference, Organized and directed conference, Warwick, RI, 6/2007
92. The EMS System and STEMI in RI, Cardiology Seminar, Providence, RI, 6/2007
93. Thoracic Trauma, ATLS Course, Providence, RI, 10/2007
94. Steroid Use in EMS, EMS Division Seminar, RI Department of Health, Warwick, RI, 1/2008
95. Pediatric Disaster Issues, EMS-C Conference, Rhode Island Department of Health, Providence, RI, 10/2008

96. Caring for Children with Special Needs, EMS-C Conference, Rhode Island Department of Health, Providence, RI, 12/2008
97. Pre-Hospital Management of Pediatric Trauma, EMS-C Conference, Rhode Island Department of Health, Providence, RI, 12/2008
98. Spinal Immobilization in Pediatrics, EMS-C Conference, Rhode Island Department of Health, Providence, RI, 2/2009
99. Pediatric Toxicology, RI DOH EMS-C Conference, Providence, RI, 3/2009
100. STEMI Care in RI, RI STEMI Seminar, Providence, RI, 4/2009
101. Trauma Case Review, New England Regional Symposium, ENA, Providence, RI, 4/2009
102. Stroke and EMS, AHA CT Stroke Conference, Rocky Hill, CT, 5/2009
103. Shock, ATLS Course, Providence, RI, 10/2009
104. EMS and the Burn Patient, New England Burn Symposium, Providence, RI, 11/2010
105. Airway Management, ATLS Course, Providence, RI, 7/2011
106. Major Incident and Disaster Response, Residency Grand Rounds, Kent Hospital Emergency Medicine, Warwick, RI, 9/2013
107. Head and Neck Injuries, EMT Basic Course, Community College of Rhode Island, Warwick, RI, 3/2014
108. EMS, DNR, and MOLST, Rhode Island Association for Healthcare Quality, Providence, RI, 10/2014
109. Emergency Medical Countermeasure Dispensing in Rhode Island: What You Need to Know, Public Health Grand Rounds, RI Department of Health, 1/2015
110. ACLS Experienced Provider, Lifespan Medical Simulation Center, Providence, RI, 10/2015
111. Controversies in EMS, South Kingstown EMS Paramedic Refresher, South Kingstown, RI, 10/2015
112. First Aid, CPR, and Bloodborne Pathogens, USCG STA, Castle Hill, Newport, RI, 12/2015
113. CPR and First Aid Qualification, USCG STA, Castle Hill, Newport, RI, 4/2016
114. CPR and First Aid Training, Auxiliary Training Day, USCG STA, Castle Hill, Newport, RI, 4/2016
115. First Aid and CPR Training, USCG AUX Sector Training S-TRAIN, Sector Southeastern New England, Mass Maritime Academy, Bourne, MA, 10/2016
116. New Drugs in the Field, 2016 Emergency Services Symposium, St. Vincent Hospital, Worcester, MA, 11/2016
117. First Aid and CPR, USCG STA Castle Hill, Newport, RI, 6/2017
118. First Aid and CPR Training, USCG STA Castle Hill, Newport, RI, 12/2017

119. Airway Management, SKEMS Paramedics, Lifespan Medical Simulation Center, Providence, RI, 3/2018
120. EMS, Physician Assistant Program, Johnson & Wales University, Providence, RI, 5/2018
121. First Aid and CPR Training, USCG STA, Castle Hill, Newport, RI, 5/2018
122. First Aid and CPR, Cuttyhunk Volunteer Fire and Rescue, The Warren Alpert Medical School of Brown University EMS Elective, Gosnold, MA, 5/2018
123. BLS and AED Use, BLS and ACLS Course, Rhode Island Hospital Medical Simulation Center, Providence, RI, 10/2018
124. EMS, Physician Assistant Program, Bryant University, Providence, RI, 10/2018
125. First Aid and CPR, USCG STA Castle Hill, Newport, RI, 10/2018
126. Status of Stroke Care in Rhode Island, NorthEast Cerebrovascular Consortium, Newport, RI, 10/2018
127. Emergency Preparedness, RI ACEP Annual Meeting, Warwick, RI, 11/2018
128. Naloxone Evidence-Based Guideline Development, New England Council for EMS Leadership Conference, Course Director, Newport, RI, 11/2018
129. Aortic Vascular Emergencies, LifePACT Team, Lifespan Medical Simulation Center, Providence, RI, 1/2019
130. Lifespan Cardiovascular Institute EMS Symposium, Panelist, Warwick, RI, 2/2019
131. History of EMS, Brown EMS Fellowship Didactics, Providence, RI, 8/2019
132. First Aid and CPR, USCG STA Castle Hill, Newport, RI, 9/2019
133. Electrocution, Critical Care Transport Simulation-Based Training, LifePACT Team, Lifespan Medical Simulation Center, Providence, RI, 10/2019
134. Radiology for Critical Care Transport: The CXR, Critical Care Transport Simulation-Based Training, LifePACT Team, Lifespan Medical Simulation Center, Providence, RI, 1/2020
135. Boating Emergencies, USCG AUX Boating Safety Course, Providence, RI, 3/2020
136. Introduction to EMS, PA Program, Bryant University, Smithfield, RI, 10/2020
137. Status of Stroke Care in Rhode Island, NorthEast Cerebrovascular Consortium, Newport, RI, 10/2020
138. Status of Stroke Care in Rhode Island, with Dr. Jayaraman, NorthEast Cerebrovascular Consortium, Virtual, 10/2020
139. Cockpit Resource Management for Critical Care Transport, LifePACT Team, Via Teams from Lifespan Alternate Hospital Site, Providence, RI, 12/2020
140. Ventilator Cases, LifePACT Team, Via Teams, Providence, RI, 1/2021

141. 2021 RI EMS Protocol Update, Rhode Island Department of Health Center for EMS, Via Teams, Providence, RI, 2/2021
142. Ventilator Cases, LifePACT Team, Via Teams, Providence, RI, 2/2021
143. Case Review, LifePACT Team, Via Teams, Providence, RI, 3/2021
144. Case Review, LifePACT Team, Via Teams, Providence, RI, 5/2021
145. EMS Overview, Physician Assistant Program, Johnson & Wales University, Providence, RI, 5/2021
146. First Aid for USCG AUXILIARY, USCG AUX Flotilla 78, Cranston, RI, 6/2023
147. RI-1 DMAT Deployment Training; Lecture on Trauma Care, Course Physician Director, RI Disaster Medical Assistance Team, 8/2023
148. Helo OPs Site Visit / Offshore Medicine for Elective EM-5660, Site Visit and Discussion, Alpert School of Medicine at Brown University, 4/2025

National

1. Resident Training in EMS and Air Medical Care, NAEMSP Conference, San Diego, CA, 8/1986
2. Abdominal Pain Risk Management, MASS ACEP Risk Management Course, Boston, MA, 10/1990
3. Physician Use of Voice Recognition Documentation, Interview for program "Invention", Discovery Channel, 10/1990
4. Voice Activated Dictation of Emergency Medical Reports, Risk Management Seminar, University of Massachusetts CME, Seal Beach, CA, 10/1990
5. Understanding Emergency Physicians, KAI Applications Specialists Training, Waltham, MA, 1/1991
6. Abdominal Pain Risk Management, MASS ACEP Risk Management Course, Boston, MA, 4/1991
7. Voice Activated Dictation of Emergency Medical Reports, Risk Management Seminar, University of Massachusetts CME, Tampa, FL, 4/1991
8. Voice Activated Documentation Systems, SUNY Emergency Medicine Residency, SUNY, Stony Brook, NY, 6/1991
9. Voice Activated Documentation Systems, University of Georgia Emergency Medicine Residency Faculty, University of Massachusetts, 6/1991
10. Abdominal Pain Risk Management, MASS ACEP Risk Management Course, Boston, MA, 9/1991
11. Quality Assurance and Computers, Air Medical Transport Conference, Tampa, FL, 10/1991
12. Voice Recognition Systems in Emergency Medicine, Demonstration of System at ACEP Annual Conference, Boston, MA, 10/1991

13. Power Tools for Quality Management: Computer Applications, Rocky Mountain Helicopters Fireside Conference, Provo, UT, 3/1992
14. The Medical Record of the Year 2000: Voice Activated Knowledge Base Systems, New England Healthcare Assembly, Boston, MA, 4/1992
15. Abdominal Pain Risk Management, Massachusetts ACEP Risk Management Course, Boston, MA, 5/1992
16. Abdominal Pain Risk Management, Massachusetts ACEP Risk Management Course, Boston, MA, 10/1992
17. Quality Improvement through Computer Applications, Program for Healthcare Innovations Conference, Boston, MA, 10/1992
18. Abdominal Pain Risk Management, Massachusetts ACEP Risk Management Course, Boston, MA, 10/1993
19. Abdominal Pain Risk Management, MACEP Risk Management Course, Boston, MA, 9/1995
20. Myocardial Infarction, Pericarditis, Myocarditis, MACEP Recertification Program, Burlington, MA, 9/1997
21. Chest Pain Evaluation in the Emergency Department, Ohio Academy of Trial Attorneys, Columbus, Ohio, 3/1998
22. The Future of Teamwork Training, Air Methods Corporation Customer Conference, Denver, CO, 5/1998
23. Chest Pain in the Emergency Room, ATLA National Conference, Washington, DC, 7/1998
24. Teamwork During Transport, Transport Medicine 99, Cambridge Health Resources, Boston, MA, 6/1999
25. Marine EMS: An Introduction to the United States Coast Guard Experience, Emergency Medicine: New England Conference, RI ACEP, Newport, RI, 8/1999
26. Cardiovascular Emergencies, Intensive Review of Emergency Medicine, Massachusetts College of Emergency Physicians, Boston, MA, 10/1999
27. Marine EMS: The USCG, EMS, and Bio-Terrorism, NASEMSD National Conference, Rapid City, SD, 10/1999
28. Emergency Medicine Organized, Charleston, SC, 5/2000
29. Teamwork in EMS, AAMS Region 9 Conference, Charleston, SC, 5/2000
30. Cardiovascular Emergencies, Intensive Review of Emergency Medicine, Massachusetts College of Emergency Physicians, Boston, MA, 10/2000

31. Cardiovascular Emergencies, Intensive Review of Emergency Medicine, Massachusetts College of Emergency Physicians, Boston, MA, 10/2001
32. Cardiovascular Emergencies, Intensive Review of Emergency Medicine, Massachusetts College of Emergency Physicians, Boston, MA, 10/2002
33. Cardiovascular Emergencies, EMS and Disaster Systems, Intensive Review of Emergency Medicine, Massachusetts College of Emergency Physicians, Boston, MA, 10/2003
34. Disaster Response for Professionals, The 3rd Annual Tom Steele Memorial Conference, Springfield, MO, 4/2005
35. Simulation for Disaster Responders, The 3rd Annual Tom Steele Memorial Conference, Springfield, MO, 4/2005
36. HAZMAT Patient Care, Medical Emergencies Conference, Dartmouth Medical School, Hanover, NH, 5/2005
37. The Rhode Island Disaster Initiative: Research Briefing, The NDMS National Conference Research Track, Orlando, FL, 5/2005
38. AMPA Board of Directors Strategic Planning Retreat, Facilitator, AMPA Board of Directors Strategic Planning Retreat, Air Medical Physician Association [AMPA]; *A professional association focused on quality patient care and education in the critical care transport environment. Membership of approximately 400 physicians, 30% international members. AMPA sponsors several annual educational conferences attracting an international audience.*, 2010
39. Disaster Response, Regional EMS Seminar, Keene, NH, 3/2010
40. Rhode Island Disaster Research and Protocols, NASEMSO Medical Director's Council at NAEMSP, Bonita Springs, FL, 1/2011
41. Technology and Transport, American Academy of Pediatrics Annual Meeting, New Orleans, LA, 10/2012
42. Motivating Medical Research, NEOMEN Annual Conference, University of New England, Biddeford, ME, 5/2013
43. Community Paramedicine / Mobile Integrated Healthcare, Vermont EMS Conference, Jay Peak, VT, 10/2015
44. Evidence-Based EMS, Central Vermont EMS Conference, Central Vermont Medical Center, Barre, VT, 6/2016
45. The Latest in Stroke Treatment, Central Vermont EMS Conference, Central Vermont Medical Center, Barre, VT, 6/2016

46. Orientation for New Medical Directors, NASEMSO Medical Director's Council, Albuquerque, NM, 9/2016
47. Evidence-Based EMS, 2016 Vermont Healthcare and Emergency Medical Services Preparedness Conference, Mount Snow Conference Center, West Dover, VT, 10/2016
48. The Latest in EMS Stroke Care, 2016 Vermont Healthcare and Emergency Medical Services Preparedness Conference, Mount Snow Conference Center, West Dover, VT, 10/2016
49. Advances in Stroke Care, NASEMSO Annual Meeting, New Orleans, LA, 3/2017
50. 5 Things EMS Can Learn from the USCG, EMS Week Appreciation Conference, Cheshire Medical Center, Dartmouth-Hitchcock, Keene, NH, 5/2017
51. Evidence-Based EMS: Do EMTs Kill Bystanders at Marathons?, 2017 Vermont Healthcare and Emergency Medical Services Preparedness Conference, Burlington, VT, 11/2017
52. Lessons EMS Can Learn from the USCG, NASEMSO Annual Meeting, Providence, RI, 5/2018
53. Naloxone Evidence-Based Guideline Update, NASEMSO East Region Annual Meeting, Atlantic City, NJ, 10/2018
54. Creating an Evidence-Based Guideline: The Naloxone Example, 2019 Vermont Healthcare and Emergency Medical Services Preparedness Conference, Keynote Speech, Burlington, VT, 10/2019
55. Stroke Update: Rhode Island, Northeast Cerebrovascular Consortium, American Stroke Association, Boston, MA, 10/2019
56. BioSpatial Rhode Island EMS Data State Partnership, NASEMSO Medical Director's Council, NAEMSP Annual Meeting, San Diego, CA, 1/2020
57. Canine EMS: Coming to a State Near You?, NASEMSO Medical Director's Council, NAEMSP Annual Meeting, San Diego, CA, 1/2020
58. Interfacility Transfer of Critical Patients, NASEMSO Medical Director's Council, NAEMSP Annual Meeting, San Diego, CA, 1/2020
59. Opioid Crisis Panel Discussion Moderator, NASEMSO Annual Meeting, Charleston, SC, 6/2022
60. Disaster Medical Response: Your Role. Dartmouth Managing Medical Emergencies, Hanover, NH 2025 MAY
61. Paramedics in Non-Traditional Settings, NASMESO Annual Meeting, Grand Rapids, MI 5/2025
62. Analyzing US Statewide EMS Protocols for Patients with Disabilities. NASEMSO Annual Meeting, Kansas City, MO 2026 APR 27 with Emma Butler

63. Burn Protocols: Time for a Change? NASEMSO Annual Meeting, Kansas City, MO 2026 APR 27 with Nicholas Loew.

International

1. Prehospital Physicians, NSW Paramedic Training Program, Sydney, Australia, 10/1986
2. Demonstration of Voice Recognition Documentation Systems in Emergency Medicine, International Conference on Emergency Medicine, Washington DC, 5/1992
3. Air Medical Program Design, AMTC/AMPA Preconference, Long Beach, CA, 9/1995
4. "Cockpit Resource Management" for the Medical Crew, AMPA Clinical Care Conference, Lake Tahoe, NV, 3/1996
5. Resource Management and Risk Management, AMPA Preconference, AMTC, Dallas, TX, 10/1996
6. Abdominal Pain / Risk Management, Emergency Medicine Challenges, Tortola, BVI, 1/1997
7. "Cockpit Resource Management" for Medical Teams, Emergency Medicine Challenges, Tortola, BVI, 1/1997
8. Pleuritic Chest Pain, Emergency Medicine Challenges, Tortola, BVI, 1/1997
9. Teamwork in the Emergency Department, Emergency Medicine Challenges, Tortola, BVI, 1/1997
10. Pulmonary Embolism, AMPA/NFNA/NFPA Clinical Care Conference, Atlanta, GA, 4/1997
11. Air Medical Vehicle and Team Composition, AMPA Medical Director's Preconference, AMTC, Cincinnati, OH, 10/1997
12. Abdominal Pain and Risk Management, Challenges in Emergency Medicine, BEYC, Virgin Gorda, BVI, 1/1998
13. "Crew Resource Management" for Medical Teams, Challenges in Emergency Medicine, BEYC, Virgin Gorda, BVI, 1/1998
14. Teamwork in the Emergency Department, Challenges in Emergency Medicine, BEYC, Virgin Gorda, BVI, 1/1998
15. Teamwork Tomorrow, AMPA/NFNA/NFPA Clinical Care Conference, Orlando, FL, 3/1998
16. Controversies in Air Medical Care, Critical Care Transport Medicine Conference, Port Canaveral, FL, 4/1999
17. Team Building, Critical Care Transport Medicine Conference, Port Canaveral, FL, 4/1999

18. Choosing Medical Equipment, Aircraft, and Aviation Vendors, AMPA Core Concepts Preconference, Nashville, TN, 10/1999
19. The Unthinkable Mission: Air Medical Care and Weapons of Mass Effect, AMPA Core Concepts Preconference, Nashville, TN, 10/1999
20. Powerful Power Point Presentations: Using Graphics Software for Medical Education, Critical Care Transport Medicine Conference, Las Vegas, NV, 4/2000
21. Emergency Medicine Organized, AMPA Preconference, AMTC, Salt Lake City, UT, 10/2000
22. Medical Director's Risk Management, AMPA Preconference, AMTC, Salt Lake City, UT, 10/2000
23. Air Medical Program Models, AMPA Preconference, CCTMC, Las Vegas, NV, 4/2002
24. RIDI and Critical Care Transport, CCTMC, Las Vegas, NV, 4/2002
25. Rhode Island Disaster Initiative: A Public Health Model, International Association of Emergency Managers, Columbus, OH, 10/2002
26. High Fidelity Simulation for Training and Research, 2003 Critical Care Transport Medicine Conference, Louisville, KY, 3/2003
27. Postintubation Management, Airway Management Preconference, 2003 Critical Care Transport Medicine Conference, Louisville, KY, 3/2003
28. The Rhode Island Disaster Initiative, World Conference on Disaster Management, Toronto, Ontario, 6/2003
29. The Future of Critical Care Transport, Invited Domain Knowledge Expert and Chair, Medical Care Committee, Air Medical Leadership Congress, Salt Lake City, UT, 9/2003
30. Disaster Response, AMPA Medical Director's Core Curriculum: Part 1, 2003 Air Medical Transport Conference, Reno, NV, 11/2003
31. High Fidelity Simulation, AMPA Preconference, Critical Care Transport Medicine Conference, San Antonio, TX, 4/2004
32. HAZMAT Recognition and Response, AMPA Medical Director's Preconference, AMTC, Cincinnati, OH, 10/2004
33. Disaster Response, AMPA Medical Director's Preconference, AMTC, Austin, TX, 10/2005
34. Best Practices in Disaster Response, AMPA Medical Director's Preconference, AMTC, Phoenix, AZ, 9/2006
35. Simulation and Education, AMPA Medical Director's Preconference, AMTC, San Jose, CA, 10/2009
36. Saving Lives: An Objective Measure, AMPA Medical Director's Preconference, AMTC, Ft. Lauderdale, FL, 10/2010

37. There's an App for That – Software for Helicopter EMS, AMPA Medical Director's Preconference, AMTC, St. Louis, MO, 10/2011
38. Basic First Aid, Restore Haiti, Jacmel, Haiti, 3/2014
39. Community Paramedicine and Mobile Integrated Healthcare, Emergency Medicine Update, Northwest Seminars, New York, NY, 9/2015
40. Current Issues and Controversies in EMS, Emergency Medicine Update, Northwest Seminars, New York, NY, 9/2015
41. Qualifications and Role of the Medical Director, Air Medical Physician Association PreConference, Air Medical Transport Conference, Charlotte, NC, 9/2016
42. Basic First Aid, Restore Haiti, Anse-a-Pitres, Haiti, 3/2019
43. Cardiac Arrest: What's New? Emergency Medicine Update, Northwest Anesthesia Seminars, Caribbean Conference, 4/2019
44. Cutting Edge Stroke Care: A New Era DAWNs, Emergency Medicine Update, Northwest Anesthesia Seminars, Caribbean Conference, 4/2019
45. Disaster Response Every Day: Incorporating ED Readiness, Emergency Medicine Update, Northwest Anesthesia Seminars, Caribbean Conference, 4/2019
46. EMS Communications: How Can We Help You? Emergency Medicine Update, Northwest Anesthesia Seminars, Caribbean Conference, 4/2019
47. Lessons Your ED Can Learn from the USCG, Emergency Medicine Update, Northwest Anesthesia Seminars, Caribbean Conference, 4/2019
48. What's Happening in the Field: How Emerging EMS Trends are Changing the ED, Emergency Medicine Update, Northwest Anesthesia Seminars, Caribbean Conference, 4/2019

GRANTS:

COMPLETED GRANTS

- | | | |
|--|--------------|----------------|
| 1. | 1986-12/1987 | \$5000 |
| Emergency Medicine Foundation, Basic science grant to fund sheep model of tension pneumothorax | | |
| Role: Resident Investigator (PI: Steve White) | | |
| 2. | 1991-1995 | Over \$200,000 |
| Renewed for 2 years in 1993 | | |
| Kurzweil Applied Intelligence, Inc., 1-year grant to explore utilization of voice recognition computer systems for patient care and research in an academic emergency department | | |
| Role: Co-Investigator (PI: Roxanne Brocato) | | |

3. 1996 \$15,000
Primus Systems, Inc., Informatics research support
Role: PI (PI: Kenneth A. Williams, MD, FACEP, FAEMS)
4. 1999-2005 \$5,000,000 total
Rhode Island Disaster Initiative (Contract)
Role: Principal Investigator and Project Medical Director; multi-year project to research best practices in EMS Disaster Response (MPI: Kenneth A. Williams, MD, FACEP, FAEMS)
First year Phase 1 funding \$900,000 appropriated by Congress with The Department of Health and Human Services acting as funding agency and in cooperation with Battelle National Laboratories.
Phase 2 funding of \$1,499,000 supported high fidelity simulation disaster response scenario research.
Phase 3 of RIDI appropriated at \$1,500,000 for year 3 and fourth year funding requested at \$3,500,000, and listed in an amendment to the Defense Appropriations Bill. Phase 3 developed Lifeguard EMS, a critical care transport team based at Rhode Island Hospital used as a role model/mentoring training and dissemination platform. Sustainment efforts include grant and contract funding, with funding from RI EMA, RI DOH, and Providence EMA for various training efforts. Lifeguard EMS became LifePACT after a merger with the Hasbro Children's Hospital pediatric transport team, with ongoing support from Rhode Island Hospital and the Providence Emergency Management Agency.
5. 2001-2003 Budget of \$500,000 over 2 years
Emergency Department Information System Implementation, Rhode Island Hospital (Internal)
Role: Responsible for leading the selection, installation, and implementation of a computerized tracking and medical information system at the Davol Emergency Department (PI: Robert Woolard)
6. 2005 Over \$2 million across several grant years
MMRS/MMST (grant)
Role: Appointed by the Mayor of Providence as Medical Director for the Metropolitan Medical Response System / Metropolitan Medical Strike Team in 2005. Assisted with coordination, program design and development, and medical oversight. Notable events include large scale statewide disaster drills, disaster responder conferences, and integration of the Lifeguard EMS system into the MMST role including over \$100,000 of direct funding for equipment and training. (PI: Peter Marinucci)
7. 2005-2006 Approximately \$100,000
HHS, DHS and RI EMA
FirstSTEP and TopSTEP (contract)
Role: Assisted with planning and coordination with funding through HHS, DHS and RI EMA for EMS

providers taking this disaster response training program, developed the curriculum and delivered the training lectures. The curriculum grew from the RIDI Project. Providence Fire Department was the first EMS agency to obtain training through this program. (PI: Greg Jay)

2006

\$1.2 million research contract

8. TATRC Reserve Component Medical Training (contract).

The project debriefs returning military medical personnel and designs simulation-based training for personnel about to deploy, acting as a current knowledge link as military medical teams rotate into active operations

Role: PI (PI: Kenneth A. Williams, MD, FACEP, FAEMS)

9.

2017-2019

\$150,000

Evidence-Based EMS Use of Naloxone Project. DOT/NHTSA, collaborating with NASEMSO, NAEMSP, and ACEP

National Association of State EMS Officials [NASEMSO], *A closed association with membership limited to state EMS directors and affiliated officials who supervise and regulate emergency medical services in the US, approve training curricula and license EMTs and ambulances. Name changed from National Association of State EMS Directors in 2006-2007 in recognition of the additional membership of medical directors, educators, data managers, and others.*

Role: PI (PI: Kenneth A. Williams, MD, FACEP, FAEMS)

2018 JAN Technical Expert Panel Meeting

2018 JAN Project Update to NAEMSP Leadership

2018 JAN Project Update to Prehospital Guidelines Consortium

2018 OCT Manuscript draft to NHTSA

2018 OCT Draft Protocol to NHTSA

2019 MAR EBG published in PEC, other deliverables submitted to NHTSA

2019 MAR Project complete, on time

Role: PI (Kenneth A. Williams, MD, FACEP, FAEMS)

10.

9/2018-9/2022

\$800,000 annually for 4 years

First Responders Comprehensive Addiction and Recovery Act Cooperative Agreement

Description of Activities:

* Make Naloxone available to the law enforcement community for emergency treatment of known or suspected opioid overdose.

* Provide resources and train first responders to respond to request for suspected overdose call, increase

reversals, promote prearrest diversion and mitigate mental health crisis.

* Establish processes, protocols, and mechanisms for first responders to refer consumers to appropriate treatment and recovery services to reduce recurrence of overdose and divert arrest.

* Develop tracking systems to follow up with high-risk populations and increase prevention capacity

Role: Medical Director (PI: Jason Rhodes)

UNIVERSITY TEACHING ROLES

Resident

11/1990- 6/1997	ACLS Airway Management, Instructor, University of Massachusetts
4/1991	Abdominal Pain in the ED, Resident Conference, Instructor, University of Massachusetts
6/1991	Oral Board Simulation Course, Resident Conference, Instructor, University of Massachusetts
7/1991, 2/1992	Airway Management Workshop, EM Resident Conference, Instructor, University of Massachusetts
7/1991	Emergency Medicine Clinical Computing, EM Resident Conference, Instructor, University of Massachusetts
8/1991, 9/1991	Airway Workshop, EM Resident Conference, Instructor, University of Massachusetts
8/1991, 9/1991, 11/1991, 12/1991, 2/1992, 3/1992, 5/1992, 6/1992, 8/1992	Emergency Medicine Information Systems, EM Resident Conference, Instructor, University of Massachusetts
1/1992	Expert Witness: In Your Future? EM Resident Conference, Instructor, University of Massachusetts
5/1992	Advanced Skills Cadaver Lab, EM Resident Conference, Instructor, University of Massachusetts
6/1992	Oral Board Review Course, EM Resident Conference, Instructor, University of Massachusetts
9/1992	Emergency Medicine Information Systems: Development of Scoring Systems, EM Resident Conference, Instructor, University of Massachusetts

7/1993, 9/1993	Emergency Medical Services, EM Resident Conference, Instructor, University of Massachusetts
12/1993	Emergency Medical Services, EM Resident Lecture, Lecturer, University of Massachusetts
4/1994	Airway Management Workshop, EM Resident Lecture, Lecturer, University of Massachusetts
10/1994	Air Medical Care, EM Resident Lecture, Lecturer, University of Massachusetts
10/1994	Headache EM, Resident Lecture, Lecturer, University of Massachusetts
1997-2000	Board Review, Organizer, Brown Emergency Medicine Residency Board Review Conference With several other faculty members, designed and implemented a review program to improve resident performance on in-training and board certification examinations
1997-Present	EMS Curriculum Development, Co-Leader, Class Size: Approximately 48, Brown Emergency Medicine, Providence, RI Began co-leading the curriculum in 1997 with Dr. Francis Sullivan. Revised the residency EMS curriculum in 1999, resulting in a coordinated and verifiable experience that progressively spans the four year residency program [approx. 48 residents] and affords a solid background in EMS essentials along with options to pursue a variety of EMS interests such as critical care transport, air medical care, tactical EMS, marine EMS, EMS administration and EMS research. Further revised the residency curriculum in 2000 to take advantage of scheduling revisions, affording a regular rotation in EMS during the second residency year (moved to third residency year in 2010). Responsible for the administrative, quality improvement, and some didactic and observational aspects of the rotation. Senior residents may also participate in this curriculum as an elective. The revised curriculum includes ground and air (optional) EMS participation, teaching, quality assurance, and medical control experience. Options for marine EMS with the USCG, significant administrative EMS experience and deployment for disaster response with DMAT/MRC are available. Further revised in 2005 to include significant experience in critical care transport staffing the Lifeguard EMS/LifePACT critical care transport team, an aspect of RIDI Phase 3, and in 2006 added MMST and WMD training. Again, revised curriculum in 2016 to include scheduled quality assurance / education / administrative sessions every week, scheduled 911 EMS ride-along time, and scheduled leadership administrative sessions with the Center for EMS at RI DOH. In 2017, updated the curriculum in cooperation with Nick Asselin to include more asymmetrical education, increased 911 EMS ride time, and regularly scheduled quality assurance and teaching sessions. Updated again in 2026.

1997-Present	EMS Orientation and Rotation, Lecturer, Brown Emergency Medicine, Providence, RI In a curriculum designed to orient incoming residents during the first month of residency and subsequent third year rotation, regularly present lectures on EMS and an introduction to various state, national, and international EMS organizations.
2/1997	Medical Direction, EM Resident Conference, Instructor, Rhode Island Hospital, Providence, RI
5/1998	The Pregnant Emergency Department Patient, Instructor, Brown University Emergency Medicine Residency, Providence, RI
8/1998	Air Medical Care System Design, Instructor, Brown University Emergency Medicine Residency, Providence, RI
2/1999	EMS System Design, Base Station Course, Instructor, Brown University Emergency Medicine Residency, Providence, RI
7/1999	Mock Codes, Instructor, Brown University Emergency Medicine Residency, Providence, RI
7/1999, 7/2000	Wound Management, Instructor, Brown University Emergency Medicine Residency, Providence, RI
7/2000	EMS, Instructor, Brown University Emergency Medicine Residency, Providence, RI
6/2003	ACLS, Instructor, Brown University, Providence, RI
7/2003	EMS, Orientation for Brown Emergency Medicine Residents, Instructor, Providence, RI
9/2006	The Toxicology of WMD Agents, Instructor, Brown Medical School Residency in Emergency Medicine, Providence, RI
6/2008	Recognition of the Critically Ill Child, PALS for Emergency Medicine & Pediatric Residents, Instructor, Providence, RI
7/2012	Abdominal Trauma, Instructor, ATLS Course, Providence, RI
7/2012	EMS Base Station, Instructor, Brown Emergency Medicine Resident Course, Providence, RI
4/2018	ACLS, Instructor, The Warren Alpert Medical School of Brown University, Remote Lifespan Medical Simulation Center, Providence, RI
7/2018	Introduction to EMS, Instructor, Brown Emergency Medicine PGY-1 Residents, Providence, RI
8/2018	MedWars Wilderness Scenario, Instructor, Brown Emergency Medicine Residents, Lincoln, RI

4/2020 COVID EMS Update, Instructor, Brown Emergency Medicine, Providence, RI

01/2026 EMS Occupational Health, Brown Emergency Medicine, Providence, RI

Fellow

12/2018 How to Have a Long and Happy Career, Fellowship Research and Career Seminar, Instructor, Brown Emergency Medicine, Providence, RI

3/2021-Present EMS Fellowship Textbook Review, Weekly, BAEMA Fellows, Instructor, Providence, RI

10/2025 HEMS for EMS Fellows

2/2026 RI-1 DMAT and Helene Response

Medical Student

5/1990 Emergency Medicine: Past, Present and Future, Medical Student Clerkship, Instructor, University of Massachusetts

9/1990 The Future of Emergency Medicine, Medical Student Clerkship, Instructor, University of Massachusetts

9/1991 Introduction to Emergency Medicine, Medical Student Emergency Medicine Clerkship, Instructor, University of Massachusetts

9/1992 Emergency Medicine, Hub of the Universe, UMMC Medical School Emergency Medicine Clerkship, Instructor, University of Massachusetts

10/1994 Four Questions about Emergency Medicine, First Year Medical Student Clerkship, Instructor, University of Massachusetts

4/1998 Abdominal Pain, Medical Student Elective Lecture Series, Instructor, University of Massachusetts

1999-Present AMS Electives, Faculty Supervisor, The Warren Alpert Medical School of Brown University, Providence, RI
Faculty supervisor for a variety of medical student elective experiences, ranging from EMS education to wilderness and austere medical care. Plan, approve, mentor and supervise the students during this experience, and evaluate their projects. Lead two EMS-specific electives, one pre-clinical for first and second year medical students, and a clinical elective for third and fourth year students

1999-	AMS Scholarly Concentration, Project Coordinator and Mentor, The Warren Alpert Medical School of Brown University Scholarly Concentration Mentor Serve as a project coordinator and mentor for medical students selecting scholarly concentration topics related to EMS
7/2000	Arrhythmias, Instructor, Brown University Medical School ACLS, Providence, RI
2010-2014	The Warren Alpert Medical School of Brown University Community Health Clerkship, Clerkship Supervisor, Class Size: 6-8 students annually, The Warren Alpert Medical School of Brown University, Providence, RI Served as clerkship supervisor for medical students with an interest in EMS issues during this required rotation, which was discontinued in 2014. Average participation was 6-8 students annually. Supervised design, data gathering, analysis and presentation of a brief project selected by the student.
2010-2020	Doctoring, Course Mentor, The Warren Alpert Medical School of Brown University, Providence, RI Served as faculty mentor for first and second year medical students learning physical diagnosis and the role of a clinical physician
9/2012	HEMS, Disaster Response, Wilderness Medicine Elective, Instructor, The Warren Alpert Medical School of Brown University, Providence, RI
1/2013	Critical Care Transport, Administrative Organization of EMS Systems (2 lecture topics), Instructor, EMS Conference, Southern Maine Medical Center, Biddeford, ME
10/2013	Wilderness Medicine, Helicopter Use, and Disaster Management, Wilderness Medicine Elective, Instructor, Warren Alpert Medical School of Brown University, Providence, RI
11/2013	Trauma Systems as Tertiary Injury Prevention, Injury Prevention Master's Course, Instructor, Brown School of Public Health, Providence, RI
2016-	The Warren Alpert Medical School at Brown University First Aid and EMS Elective Supervisor Faculty supervisor for this multi-session elective focused on basic first aid skills, an introduction to the EMS system, and discussion of other EMS topics. First offered 2016 Fall and has been offered annually since, with most students from the pre-clinical years at AMS. Each year between 10 and 20 students attend. The group meets for didactic and practical sessions for 6-8 evenings, including a session at the Lifespan Medical Simulation Center. Other than during COVID years, the group then spends a weekend teaching first aid on Cuttyhunk, an austere island off the New England coast, Faculty Supervisor
4/2016	Marine EMS / Wilderness Medicine, Brown Medical School Senior Elective, Instructor, USCG STA, Castle Hill, Newport, RI

2022	Brown University Group Independent Study on EMS, Faculty supervisor Faculty supervisor for this GISP focused on disparities in EMS system response and care
2022-Present	Pre-Clinical EMS Elective, Faculty supervisor, The Warren Alpert Medical School of Brown University, Providence, RI <i>Faculty supervisor for this clinical elective experience at The Warren Alpert Medical School of Brown University for junior medical students, focused on EMS education, research, system administration, 911 response, and critical care transport</i>
2022-Present	The Warren Alpert Medical School at Brown University Clinical EMS Elective Supervisor EM-5670 <i>Faculty supervisor for this clinical elective experience at The Warren Alpert Medical School at Brown University, focused on EMS education, research, system administration, 911 response, and critical care transport. One or two students may participate monthly. The elective participants attend EMS activities including didactic sessions, administrative meetings, leadership sessions, training and simulation, 911 ambulance ride-along and LifePACT shifts, Faculty Supervisor</i> 2022 October, Ryan Hoopes 2022 November, Jordan Fox & Abby Raynor 2022 December, Gabriella Sansaricq 2023 January, Katherine Barry & Matias Page 2023 January, Kelsey Hopkins 2023 February, John Johnson 2023 August, Nikki Moscinski 2023 August, Tess Gabert 2023 September, Alayna Barela 2023 October, Jamie Thorndike and Rebecca Berube 2023 November, Cameron Johnson 2024 January, Ella van Deventer 2024 February, Mark Hocevar 2024 September, Sara Enos 2024 September, Ryan Cunningham and Jake Adkins 2024 October, James Polk 2024 November, Felipe Bispo 2025 January, Katherine Zhong and Alisa Pugacheva 2025 February, Kendra Walsh, Kristen Sobolewski 2025 August, Lisa Yang 2025 October, Evan Galuska 2026 January, Carmen Fahlen, Shani Williams 2026 February, Andi Miranda Duarte and Natasha Kahn 2026 March, Kendyll Smith

2026 April, Sarah Uriarte

Residents, Fellows and Medical Students

1997-1999 EMS Section, Organizer, Class Size: 50, Brown Emergency Medicine, Providence, RI
Residency EMS Lecture Section Leader. During the 1998-99 academic year, coordinated EMS lectures for the EM residency program lecture series, including planning topics to comply with a core curriculum, scheduling speakers, and delivering lectures. With a revised lecture series plan in 1999, I delivered lectures as requested.

Residents and Fellows

1997-Present Brown Emergency Medicine Residency Base Station Course, Instructor, Class Size: 12-15, Brown Emergency Medicine, Providence, RI
With Dr. Francis Sullivan, other members of the EMS Division, and local Paramedics, teach 12-15 emergency medicine residents and fellows in a 1-day annual course on the use of radio, cell phone, and computer communications to consult with EMTs and provide advice on patient care during transport.

Residents and Medical Students

1997-Present ACLS courses, ACLS Coordinator, Brown Emergency Medicine, Providence, RI
With other physicians, lead ACLS courses for Brown University Emergency Medicine Residents and medical students. Regularly instruct at other ACLS courses.

1999-2001 Brown University Emergency Medicine Residency Review Curriculum, Organizer, Class Size: 10-20, Brown University, Providence, RI
Developed a curriculum for and led ongoing monthly sessions to review core concepts in emergency medicine for the EM residents and interested medical students [10-20 attendees]. The curriculum is organized inversely around the severity of patient illness, with a focus on critical assessment and intervention skills. A written summary of the sessions is provided for the residents and interested others

2013-Present Brown University Wilderness Elective and Student Interest Group, Instructor, Brown University, Providence, RI
Provide training for undergraduate and emergency medicine residents interested in wilderness medicine

Medical Student Clerkships

- 9/1989 Introduction to Prehospital and Emergency Care, Instructor, University of Massachusetts
- 7/2019-Present Warren Alpert Medical School of Brown University EMS Systems of Care Elective for junior medical students and premed students. A first aid and EMS elective held during evening sessions in the fall, followed by teaching sessions on a remote island (Cuttyhunk, MA) in the spring.
- 7/2022-Present Warren Alpert Medical School of Brown University EM-5670 Emergency Medical Services Clerkship for senior medical students. Course Director and Instructor for 1-2 medical students monthly. Students attend meetings, receive lectures, ride along with EMS agencies, complete readings, and explore EMS system design related to their experiences.

Residents and Nurses

- 1987-1997 Emergency Procedures Lab, Resident and Flight Nurse Cadaver Lab, Instructor, University of Massachusetts, quarterly

BAEMA Fellows and other learners

- 10/2023-Present EMS Fellowship Textbook Review, Weekly, Instructor, Providence, RI

HOSPITAL TEACHING ROLESResident, Fellow, and EMS Clinicians

- 6/1989 Prehospital Care, Emergency Medicine Conference, University of Massachusetts
- 8/1990 Prehospital Care Rounds, Instructor, University of Massachusetts

3/2004	CPC – Focal Neurologic Deficit in a patient exposed to bird droppings, Lecturer, Brown Emergency Medicine Resident Conference, Providence, RI
3/2014	Prehospital Medical Emergencies, Brown EMS Refresher, Lecturer, Brown University, Providence, RI
2017-Present	Administrative Elective, Instructor, Brown Emergency Medicine Residency, Providence, RI Provide EMS, AMPA and ACEP administrative support for residents choosing this elective
1997-Present	Critical Care Transport Simulation-Based Training, Instructor, LifePACT Team, Monthly, Brown Health Medical Simulation Center, Providence, RI
5/2017	LifePACT Critical Care Transport Course, Evidence-Based Medicine: Evaluating the Evidence, Instructor, Providence, RI
6/2017	LifePACT Critical Care Transport Course, US Air National Guard Helicopter Simulation-Based Training, Instructor, Quonset Air National Guard Base, Quonset Point, RI
2/2020	Helicopter EMS Operations, Instructor, EMS Fellowship / LifePACT Team, Providence, RI
3/2020	Radio System Operation, Instructor, Brown Fellowship in EMS, Providence, RI

Bedside clinical teaching of medical and allied health students, residents and fellows in emergency medicine and other specialties

1997-Present	Clinical Teaching, Instructor, Rhode Island Hospital and The Miriam Hospital Initially averaging 24 hours weekly at both sites, with assignment and hours changing depending on research and academic activities. Primarily at RIH since approximately 2005, with clinical hours averaging 16 weekly since approximately 2010.
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EMTs, Paramedics, Transport Nurses, Physicians, and observational learners (PA students, nursing students, international Fellows, etc.)

2004-Present	Clinical, formal, and simulation-based training for LifePACT team members, Instructor Simulation sessions occur monthly, clinical education during shifts several times weekly, and formal lectures on EMS teaching days weekly-monthly.
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EMS First Responders

2020-2021 COVID Result Education and Notification Effort, Organizer, Lifespan Hospitals
Organized this COVID result education and notification effort with a group of volunteer medical students to notify EMS First Responders about COVID positive patients they transported to Lifespan hospitals and educate about exposure risks, testing, quarantine, etc., First Responder Training and Education Center

Nurses

9/1989 Musculoskeletal Injuries, CEDNEP Nursing Triage Program, Instructor, University of Massachusetts

Paramedic and RN

2011-Present Critical Care Transport Simulation-Based Training, Instructor, LifePACT Team, Monthly, Lifespan Medical Simulation Center, Providence, RI

2017-Present LifePACT Critical Care Transport Course (multiple topics):
History of Critical Care Transport
EMTALA and Legal Issues in CCT
Flight Physiology
Aircraft Type and Choice
Safety during CCT, Instructor, Providence, RI

Resident & Faculty

12/1986 Emergency Medicine in Australia, Lecturer, Class Size: 25, University of Pittsburgh Grand Rounds

Resident & Fellow

11/2018 Simulation-Based EMS Training, Instructor, Brown EMS Division, Lifespan Medical Simulation Center, Providence, RI

ADVISING AND MENTORING ROLES

1997-Present Brown University Emergency Medicine Residency Advisor
Brown Emergency Medicine Residents
Serve as faculty advisor to residents during the four-year program. Number of advisees ranges from 0-8. Meet quarterly with each advisee, mentor progress through the residency program, assure compliance with requirements and assist with

remediation as indicated. Serve as a resource and reference for job and career decisions,

2006-2019 Fellowship in EMS at Brown University
Developed, led, and managed this Fellowship for emergency medicine residency graduate as Program Director. ACGME approved in 2014. Leadership transitioned to Nick Asselin in 2019. 0-2 Fellows annually. Graduates are working as EMS Physicians at various locations:

Bryan Choi, Bayhealth Medical Center, DL
Ryan Carter, Yale University, CT, Brockton Hospital, MA
Devin Tsai, Kaiser, CA
Heather Rybasack-Smith, Brown University, RI
Erin Ciummo, University of Massachusetts, MA
Kelly Meehan-Coussee, Maine General Health, ME
Seth Merker, University of Pennsylvania, PA
Megan Zapcic-Desrochers, Baystate Medical Center, MA
Kathryn Schissler, Hasbro Children's Hospital, RI
Nicholas Sherman, Morristown, NJ
Nicholas Valentini, Brown University, RI
Cassidy Cunningham (current)

2010-Present Brown School of Public Health Thesis Reader
Brown Graduate Students
Provide mentorship and master's thesis supervision for public health students,

2010-Present The Warren Alpert Medical School of Brown University Longitudinal Supervisor
Medical Students
Provide long term mentorship and clinical / academic experience for 1-3 Brown medical students,

2011-Present Mentorship.
Mentees listed by the year they started – many continue mentorship for multiple years.
List begins based on available records as of 2011
2011 Eric Lee pre-clinical medical student
2012 Jess Gandy premed student
2013 Connor Shin premed student
2013 Jon Staloff premed student
2014 Kwang Choi premed student
2014 Jessica Solis premed student
2015 Andre Anderson premed student

2015 Britney Atwater premed student
 2015 Mimi Li premed student
 2015 Methema Udawata premed student
 2015 Rachel Speakman premed student
 2016 Erin Abbott premed student
 2017 Rachel Zacks internal medicine resident
 2017 Hannah Singer premed student
 2018 Ruby Mead premed student
 2019 Maia Dinsmore preclinical medical student
 2019 Emma Butler premed student, then medical student
 2019 Zandra Ho preclinical medical student
 2021 Elise Solazzo premed student, then medical student
 2021 Adam Eberle premed student
 2022 Jamie Thorndike pre-clinical medical student / researcher
 2022 Aidan Lane premed student
 2025 Nicholas Loew Brown medical student / researcher
 2026 Theo Illarinov Brown public health student
 2026 Si-kei (Cherry) Chiu Brown premed student

2013 Evidence-Based EMS GISP
 Mentored this group independent study of Brown University students exploring evidence-based questions related to EMS. Approximately 10 students participated in weekly sessions with an extensive reading list.

2014-Present Brown Advanced Emergency Medicine Academies EMS Fellowship
 Program Director for this international observational Fellowship. Number of Fellows participating has ranged from up to 20 at one time. Activities include weekly didactic sessions, observation on LifePACT missions, ride time with 911 EMS agencies, shadowing during clinical ED shifts and participation in other EMS events and training in the RI region

2015
 Ahmad Mahah
 Majid Alrashoud
 Mohammad Alotaibi
 Bandar Almutairi
 Khaled Alsherif

2016
 Naif Marzook

Bandar Almufareh
Saleh Alesa
Saad Albaiz

2017
Omar Othman

2019
Abdulrahman Baeshen
Nasser Alrajeh
Hisham Alomari
Hareth Aldosaimani

2020
Hareth Aldosaimani
Hisham Alomari
Ali Alrassi
Abdulrahman Baeshan

2021
Abdulaziz AlYami
Hamad AlSugair
Abdulrahman Bin Eid
Nassar Assiri

2022
Ahmad Alghbban
Calvin Kienbacher (Research Fellow)
Ibrahim Aldeghaither
Norah Alrasheed
Nasser Alrajeh
Mohammed Alaseed
Rawan Alatigue
Esam Barnawi
Sami Sebeih

2023
Turki Alharbi
Mohammed Alsubaie
Hamad Albassam

Malek Alenezi
Ohood Alrehaili
Nouf Al-Kaabi
Haya Aljohani
Abrar Sakhakhni
Abrar Assiri
Daher Allarawneh

2024

Abdullateef Afnan Allebdi
Tasneem Alfraid
Husam Althobyane
Ibrahim Alomry
Uthman Alamoudi
Turki Alhindi
Ahmad Alomari
Nasser Almulhim
Bassem Senan
Faisal Alhusain
Ali AlSaheel
Abrar Assiri
Mohammed Alsaif
Waad Almohammadi
Turki Almughathawai
Seba Alghoraibi
Abdulghani Alsairafi
Ali Almana

2025

Ahmed Alsaad
Hamza Awad
Ahmed Aljefri
Nawaf Alqahtani
Hamdan Alrahji
Abdulaziz Alqaraini
Ambulmajid Asiri
Ibrahim Alrashedi
Abdulghani Alsairafi
Turki Almughathawi
Minir Alshangity

Abdullah Alhamdan
Mahmoud Eid

2026

Abdulaziz Alhamdan
Abdulaziz Alqaraini
Ahmad BinKhalaf
Ahmed Aljefri
Ftoon Albrehaimi
Hamdan Alrajhi
Hamza Awad
Ibrahim Alrashedi
Malek Alaullah
Mashhour Alsayyali
Meshai Alohal
Moosa Alkhalifah
Nawf Alqahtani
Yousef Alhawsawi
Yousef Alsofayan

- 2022 AMS Medical Students, Disparities in EMS Care GISP
Mentor for this group independent study exploring disparities in EMS care, including dispatch, geographic religious and other issues. Three students participated. They developed (with supervision) an extensive curriculum and reading list. The GISP met weekly, and participants also observed in the ED and on LifePACT. †
- 2022-2025 Brian Drury, EMS Focus Track within the Brown Emergency Medicine Residency. As Division Director, assist with this academic and experiential focus within the 4-year residency curriculum that began in 2022.
- 2022-2024 Sean Bilodeau, EMS Focus Track within the Brown Emergency Medicine Residency. As Division Director, assist with this academic and experiential focus within the 4-year residency curriculum that began in 2022.
- 2022-2025 Shay Strauss, EMS Focus Track within the Brown Emergency Medicine Residency. As Division Director, assist with this academic and experiential focus within the 4-year residency curriculum that began in 2022.

† Diversity, Equity, and Inclusion (DEI) activity

COMMUNITY SERVICE

- 1987-1997 Central Massachusetts Emergency Medical Services Corporation
As Regional Medical Director, Training and Education Committee Chair, and Medical Services Committee member and Chair from 1988-1997, assisted in the development of various training programs, annual educational meetings, and EMS curricula for EMTs and medical control physicians covering approximately 100 ambulance services and 20,000 EMTs. Gave lectures for EMT and related classes. Approved and coordinated remedial training for EMTs with identified knowledge deficits. Met personally with and approved regional credentialing for all Advanced Life Support Providers in Central Massachusetts while Medical Director. Voluntary unpaid position.,
- 1994-2002 Air Medical Physician Association
1994-2010 Course Director and Education Committee Chair / Co-Chair 1994-2000. CME offerings include two annual conferences with attendance of 100-300 physicians and other health professionals drawing an international audience. In 2000, AMPA presented a one-day pre-conference at AirMed 2000 in Norway, and in 2001 in Switzerland. Developed curriculum, sought and secured speakers, prepared and delivered lectures, reviewed evaluations, assisted with conference planning and CME requirements. Reviewed abstracts for Scientific Assembly at annual Clinical Care Transport Medicine Conference. Arranged an AMPA Academic Membership for the Brown University EM residency, which entitles the residents to receive educational materials, news, and discounts at CME conferences. As President-Elect in 1999-2000, continued to act as Course Director, and guided educational activities.
- As President in 2000-2002, led the organization and provided guidance regarding conferences, education efforts, publications, and organizational business. Implemented a revision of the Medical Director's Handbook including availability on line. Coordinated development of a curriculum for critical care transport medical directors, published jointly with NAEMSP as a Position Paper. Represented AMPA at other forums related to critical care transport and air medical care. Successfully negotiated contracts for two annual multi-association conferences. Continued activities as Board member (Past President) and Course Director since 2002, Board retreat Facilitator in 2010, and occasional conference speaker
- 2003-2008 Volunteer Medical Consultant, Disaster Health Services, American Red Cross, Rhode Island Chapter [ARC]
- 2003-2009 Multiple Casualty Incident Task Force, Rhode Island Emergency Management Agency [RI EMA]
- 2008-Present RI Responds / RI Medical Reserve Corps
Member since inception in this volunteer organization providing mass event, immunization, and other public health medical care throughout Rhode Island.,

2014-Present United States Coast Guard Auxiliary
Member, District 1 NR, Division 07, Flotilla 08 Providence, RI
Status: IQ / operational support
Boat Crew Certified, USCG 45 RB-M
Primary activity is operational support for STA Castle Hill, Newport, RI
2014 USCG Unit Commendation, USCG AUX Flotilla 1NR-07-08
2015 Most Active New Member in Division 1NF, USCG AUX Flotilla 1NR-07-08
2015 Auxiliary Operations Annual Service Performance Award, USCG AUX 1NR
2015 Coast Guard Sustained Auxiliary Service Award, USCG AUX 1NR
2017 USCG Auxiliary Certificate of Accomplishment, 50 or more hours of
Operational Support during 2016
2019 USCG Auxiliary 5 year Sustained Service Award
2019 Membership Service Award, 5 years of dedicated service, US Coast Guard
Auxiliary 1NR
2019 Certificate of Accomplishment: 50 or more hours of USCG Operational Support
During 2018, First Coast Guard District,