

**EMORY UNIVERSITY SCHOOL OF MEDICINE
CURRICULUM VITAE**

Revised: 12/05/2025

1. **Name:** Michael J. Carr, MD FAEMS FACEP

2. [REDACTED]

3. **E-mail Address:** [REDACTED]

4. **Current Titles and Affiliations:**

a. Academic Appointments:

1. Associate Professor of Emergency Medicine
EMS and Prehospital Medicine Section
Emory University School of Medicine.
Date of appointment: September 1, 2024.

b. Administrative and Clinical Appointments:

1. Associate Medical Director, Air Life Georgia Helicopter EMS, Atlanta, Georgia.
Date of appointment: August 1, 2018
2. Attending Physician, Emory University Hospital
Date of appointment: August 1, 2018
3. Attending Physician, Atlanta Veteran's Affairs Medical Center
Date of appointment: October 1, 2019
4. Medical Director, DeKalb County Fire Rescue,
Atlanta, Georgia.
Date of appointment: February 1, 2020
5. Chief Quality and Innovation Officer, Cardiac Arrest Registry to Enhance
Survival (CARES), Atlanta, Georgia.
Date of appointment: March 1, 2024.
6. Associate Medical Director - EMS Program Physician Lead, Emory Healthcare
Capacity Command Center, Atlanta, Georgia.
Date of appointment: June 1, 2025.

5. **Previous Academic and Professional Appointments:**

- a. Clinical teaching faculty, Newark Beth Israel Medical Center, Newark, New Jersey.
Dates: July 1, 2017 – June 30, 2018

6. **Previous Administrative and/or Clinical Appointments:**

- a. Deputy Medical Director, Monmouth-Ocean County (MONOC) EMS Agency, Wall
Township, New Jersey. Dates: July 1, 2017 – June 30, 2018.
- b. Associate Medical Director, American Medical Response EMS, Dekalb County,
Georgia. Dates of appointment: August 1, 2018 – February 28, 2019

7. Licensures:

- a. New Jersey: May 31, 2017.
- b. North Carolina: March 31, 2018.
- c. Georgia: April 25, 2018.

8. Boards and Specialty Boards:

- a. Emergency Medicine, American Board of Emergency Medicine: June 14, 2018.
- b. EMS and Disaster Medicine, American Board of Emergency Medicine: November 19, 2021.

9. Education:

- a. Bachelor of Science, Biology; Siena College, Loudonville, NY; 2004-2008
- b. International Partnership for Service-Learning (I.P.S.L.); Université Paul Valérie, Montpellier, France; 08/2006-12/2006
- c. Doctor of Medicine; St. George's University School of Medicine, Grenada, West Indies; 2010-2014

10. Postgraduate Training:

- a. Internship and Residency in Emergency Medicine, Newark Beth Israel Medical Center, Newark, New Jersey, 2014-2017
 1. Supervisor: Dr. Patrick B. Hinfey, MD
- b. Chief Resident in Emergency Medicine, Newark Beth Israel Medical Center, Newark, New Jersey, 2016-2017
 1. Supervisor: Dr. Patrick B. Hinfey, MD
- c. Fellowship in Emergency Medical Services (EMS) and Disaster Medicine, Newark Beth Israel Medical Center, Newark, New Jersey, 2017-2018
 1. Supervisor: Dr. Mark A. Merlin, DO

11. Continuing Professional Development Activities:

- a. Department of Homeland Security Office for Bombing Prevention: Awareness and Safety Procedures Course (AWR) 333 and AWR 337, 2017
- b. Federal Emergency Management Agency (FEMA) / Department of Homeland Security: Incident Response to Terrorist Bombings Course, 2017
- c. FEMA / Department of Homeland Security: Medical Management of Chemical, Biological, Radiological, and Nuclear (CBRN) Events, 2017
- d. FEMA / Incident Command System (ICS) 100, 200, 700, 800, and 907 Active Shooter Training, 2017
- e. Fire Department New York (FDNY) Medical Special Operations Course and Field Amputation and Cadaver Lab, 2017 – 2019
- f. FEMA / Incident Command System (ICS) 300 and 400, 2018
- g. Faculty Development Series, Emory University School of Medicine, Atlanta, Georgia, 2018 - Present
 1. Development of Scholarship; Focus on Promotion; 2018
 2. The Key to Scholarship; Ultrasound Skill Stations; 2019
 3. End Note – How to Build Your Bibliography; How to Advance the Needle in Education; 2019
 4. Your Financial Health. Dr. Peter Sebel; 2019
 5. Promotion readiness workshop. Dr. David Loring; 2021
 6. Junior Faculty Development Session; Drs. Siegelman, Ander, Leach, Lindsay, and Guttman; 2023
 7. Teaching Portfolio Building Workshop; Dr. Jaffar Khan, MD; 2023

- h. Practicing Human Subject Research Participants National Institute of Health (NIH) Certification, 2019
- i. Selected as “I.D.E.A.S. – Innovation and Discovery in the Emergent and Acute Sciences” Scholar. Emory University, Atlanta, Georgia 2019-2020.
- j. Tactical Emergency Casualty Care (TECC), 2020
- k. Advanced Cardiac Life Support (ACLS), Basic Life Support (BLS), and Pediatric Advanced Life Support (PALS), 2022
- l. Advanced Disaster Life Support (ADLS), Basic Disaster Life Support (BDLS), 2022
- m. Counter Narcotics and Terrorism Operational Medical Support (CONTOMS) for Medical Directors, 2022
- n. Instructor Certification, Advanced Disaster Life Support (ADLS) and Basic Disaster Life Support (BDLS), 2022

12. Society Memberships:

- a. American College of Emergency Physicians (ACEP), Member, 2012-Present
- b. Emergency Medicine Resident’s Association (EMRA), Member, 2012-Present
- c. National Association of EMS Physicians (NAEMSP), Member, 2017-Present
- d. Society for Academic Emergency Medicine (SAEM), Member, 2018-Present
- e. Georgia Chapter NAEMSP, Member, Founding president. 2019-Present
- f. The Georgia EMS Association (GEMSA), Member, 2022-Present

13. Committee Memberships:

- a. National and International:
 - 1. Member, American College of Emergency Physicians (ACEP) – Emergency Medical Services Committee, 2017-Present
 - 2. Member, National Association of EMS Physicians (NAEMSP) American College of Emergency Physicians Committee, 2018-Present
 - 3. Member, National Association of EMS Physicians (NAEMSP) Committee on Mobile Integrated Health and Community Paramedicine, 2018 – Present
 - 4. Member, American College of Emergency Physicians (ACEP) – Emergency Telehealth Section, 2020 – Present
 - 5. Chair, National Association of EMS Physicians (NAEMSP) Air Medical Committee, 2022 – Present
 - 6. Member, American College of Emergency Physicians (ACEP) Academic Affairs Committee, 2022 – Present
 - 7. Member, American College of Emergency Physicians (ACEP) Academic Affairs Subcommittee on Developing Telehealth Curriculum in Emergency Medicine, 2022 – Present
 - 8. Member, National Association of Emergency Physicians (NAEMSP) Rural Emergency Medical Services Committee, 2022 - Present
 - 9. Member, Patient Care Guidelines Committee for Air Methods Corporation, 2022-Present
 - 10. Member, Research Committee for Air Methods Corporation, 2022-Present
 - 11. Member, Science Advisory Council (SAC) for the American Red Cross, 2025-Present
- b. Regional:
 - 1. Member, Air Methods Southeast Regional Medical Directors Committee, 2018-present
 - 2. Member, Georgia EMS Medical Directors Advisory Committee (EMSMDAC), Appointed by Georgia Department of Public Health Commissioner, Dr.

Toomey. 2018-present

3. Elected Founding President, Georgia Chapter – National Association of Emergency Physicians (NAEMSP), 2019
4. Member, National Association of EMS Physicians (NAEMSP) Georgia State Chapter Initiation Committee, 2019
5. Member, COVID-19 Response Committee: EMS Para-telemedicine Initiative in coordination with Emory Department of Emergency Medicine and DeKalb County 9-1-1 Call Center / DeKalb County Fire Rescue. 2020 – 2021
6. Member, DeKalb County Dispatch Steering Committee, 2020-Present
7. Member, Georgia NAEMSP Subcommittee: Involuntary patient treatment and transport. 2021
8. Member, EMSMDAC Subcommittee on Crisis Standards of Care, 2021
9. Member, Georgia Department of Public Health Regional Coordination Center (GCC) Advisory Board –2021 – 2022.
10. Chair, EMSMDAC Subcommittee for Minimum Standard Protocol Regulation Development, 2022 – present
11. Chair, DeKalb County Paramedic Advisory Committee for the Committee on Accreditation of Educational Programs for the Emergency Medical Services Professions (CoAEMSP) –2022 – present
12. Member, EMSMDAC Critical Care Task Force for the Georgia Department of Public Health Office of EMS and Trauma, 2023
13. Member, Journal of Emergency Medical Services (JEMS) Innovation Summit Advisory Board. 2024-Present.

c. Institutional:

1. Newark Beth Israel Medical Center, Newark, NJ – Member, Committee for the Advancement of Ultrasound Guided Peripheral IV Lines, 2016-2018
2. Newark Beth Israel Medical Center, Newark, NJ – Member, Committee on Documentation Completion and Compliance, 2018
3. Emory University School of Medicine - Member, STEMI Review Committee, 2018-Present
4. Emory University School of Medicine – Member, EMS Fellowship Program Evaluation Committee, 2019-Present
5. Emory University Department of Emergency Medicine – Member, Tele-Emergency Medicine (TEM) Committee, 2020-Present
6. Emory University Hospital Unit Practice Council (UPC) Awards Committee. Tasked to select awardees for 2020 virtual award ceremony, 2020.
7. Emory University / Emory Healthcare – Member, Emergency Cardiac Care Center Accreditation Committee, 2020, 2022, 2024.
8. Emory University Hospital Emergency Services Committee, 2022 – Present
9. Emory Healthcare Transfer Center Redesign Committee, 2025 - Present

14. **Peer Review Activities:**

a. Manuscripts:

1. Western Journal of Emergency Medicine; 2019 – Present
2. Traffic Injury Prevention; 2020

b. Conference Abstracts:

1. National and International:
 - i. Emirates Society of Emergency Medicine Conference, 2022
 - ii. National Association of EMS Physician Annual Conference, 2023

15. Consultantships/Advisory Boards:

- a. Member, Medical Advisory Board – Monmouth-Ocean County (MONOC) EMS, Wall Township, NJ, 2017-2018
- b. Member, Joint Commission Advisory Board, Comprehensive Stroke Center Review, EMS and Air Methods Representative, Emory University, Atlanta, GA, July 29, 2019.
- c. Member, Medical Advisory Board to the Pediatric Prehospital Airway Resuscitation Trial (PEDI-PART), October 20, 2020.
- d. Member, Clinical Advisory Board for Aerogen, an International Nebulizer Company, December 2, 2020 - 2021.
- e. Member, Region III EMS Council – Atlanta, GA, February 2020-Present
- f. Expert Witness, Huff Powell Bailey LLP; 2021 – 2022
- g. Physician Advisor, Air Methods National Physician Advisory Board, 2022 – present
- h. Served as subject matter expert on Air Ambulance EMS System design for the South Korean Ministry of Health – 2022
- i. Expert Witness, Oliver Maner LLP; 2023 – Present

16. Organization of Conferences:

- a. Regional:
 1. Lead Organizer, Emergency Medicine-Critical Care Symposium; Newark Beth Israel Medical Center, Newark, New Jersey, 2015-2018
 2. Lead Organizer, Georgia Chapter of the National Association of EMS Physicians (NAEMSP) Annual Conference Meeting (virtual). Organized agenda, facilitated and confirmed speaker availability, coordinated dates based on stakeholder availability, and hosted, recorded, and published webinar online. Four quarterly meetings: 2021 – 2022
 3. Lead Organizer, Snake Bite and Envenomation Management for the First Responder. DeKalb County EMS including DeKalb Fire Rescue, American Medical Response (AMR) and Emory EMS hosted at Emory University. Organized agenda, facilitated and confirmed speaker availability, coordinated dates based on stakeholder availability, and hosted, recorded, and published webinar online. September 20, 2022.
- b. Other conference activities:
 1. ACEP representative to the National Association of EMT Executive Board at the EMS World Expo, New Orleans, LA, 2019.
 2. Selected ACEP EMS Committee representative to NAEMT EMS on the Hill Day, Washington, DC, Attended virtually due to COVID-19. 2020.

17. Clinical Service Contributions

- a. Airway Checklist Initiative, Lead Investigator, Newark Beth Israel Medical Center, Newark, New Jersey; Researched and successfully added Airway Checklist to Airway Box throughout hospital. 2015.
- b. Flight physician for Medway / Angel Med Flight with over 115 fixed-wing patient transport hours – May 2017 – Present
- c. System-Wide Biosafety Transport Drill, Evaluator and Safety Officer, Emory University Midtown, Emory University Hospital, Children's Hospital of Atlanta, May 31, 2019
- d. Hospital-Wide Mass Casualty Drill: Facilitated planning and participation. This drill ultimately informed policy change at Emory University Hospital, Atlanta, GA by leadership implementing a "Code Triage" process to respond to local mass casualty incidents. October 7, 2019
- e. "EMS Wall times amid the COVID pandemic." Coordinated county-wide data analysis to present to the Emory Emergency Services Committee – Subcommittee on EMS Wall

- Times. May 2021.
- f. Created and presented CODE STORM for the executive leadership team at Emory University Hospital and was selected to contribute to a hospital-wide initiative to enhance throughput in times of limited resources: Code S.T.O.R.M.: Strategic Triage and Optimized Resources Modification, March 2023.

18. Contributions to Diversity, Equity, and Inclusion:

- a. Diversity training:
1. Implicit Bias and Bystander to Upstander Response to Microaggressions; 2023
- b. Research on health equity:
1. Active research through the Emory Rural Tele-EMS Network (ER-TEMS), a novel telemedicine network, with a primary goal to address medical disparities with rural residents throughout the state of Georgia. Rural residents of Georgia are faced with disparities in health equity on the basis of race, ethnicity, socioeconomic status, and geographical location.
 2. Cardiac Arrest Registry to Enhance Survival (CARES): Under the CDC Expansion and Modernization grant, CARES is enhancing data collection practices to better capture race, ethnicity, language, and social determinants of health. We are actively engaging with underserved communities and partnering with EMS agencies serving diverse populations to ensure more equitable representation in the registry. These efforts aim to identify and address disparities in out-of-hospital cardiac arrest outcomes, ultimately supporting more inclusive and targeted quality improvement initiatives.
- c. Diversity Equity Inclusion work on committees:
1. Georgia National Association of EMS Physicians (NAEMSP) subcommittee on involuntary treatment and transport of patients. The goal of this subcommittee is to address disparities in vulnerable populations spanning socioeconomic, racial, and mentally disabled cohorts.

19. Community Outreach:

- a. General:
1. Siena College Outreach Program: Tutor 3rd grade English and Math Covenant Elementary School, Arbor Hill, Albany, New York; 2004-2006
 2. Lead Organizer, Biannual American Red Cross Blood Drive at Siena College, Loudonville, New York; 2004, 2008
 3. International Partnership for Service-Learning: Community Service Outreach, Pediatric Hospital and Humanitarian Pharmacy, Montpellier, France; 2006
 4. Shade Tree Free Family Clinic (Medical student-run clinic) – Vanderbilt University, Nashville, Tennessee; 2007
 5. Volunteered in Medical Tent at Annual Warped Tour Concert, Freehold, New Jersey; 2013-2017
 6. Volunteered in Medical Tent at Tough Mudder: Mud Run, Liberty State Park, New Jersey; 2014
 7. Volunteered in Medical Tent at Staten Island Half Marathon, Staten Island, New York; 2016-2017
 8. Volunteered New Jersey State Police T.E.A.M.S. (SWAT) Physician, New Jersey, 2016-2017
 9. Volunteered in Medical Tent at New York City Marathon, Manhattan, New York; 2016-2017
 10. Volunteered in Medical Tent at Brooklyn Half Marathon, Coney Island, New York, 2017

11. Volunteered in Hurricane Irene and Hurricane Maria Relief, Puerto Rico, United States Territory; 2017
12. Volunteered in Medical Station at NFL Super Bowl 53 - Superbowl Experience Exhibition, 2018-2019
13. Volunteered in Medical Station at NFL Super Bowl 53 – NFL Headquarters Convenience Clinic, 2018-2019
14. Grady Mass Casualty Response Drill, Grady Hospital, Marcus Trauma Center, 2019
15. Volunteered in Medical Station at NFL Super Bowl 53 – Game Day Physician, 2019
16. Volunteered in Medical Station at Publix Marathon, Atlanta, GA, 2019-2020, Atlanta, GA
17. Federal Bureau of Investigation (FBI) First Aid and CPR Training; Atlanta Office, 2020
18. ACCESS Mobile SMS Community Outreach Program for DeKalb County during the COVID-19 Pandemic, 2020 – Present
19. Volunteered in Medical Station at Peachtree Road Race, Atlanta, GA, 2021.
20. Attended Public Dunwoody City Council Meeting, Dunwoody, Georgia. Addressed questions from the council and public regarding prolonged EMS response times in the City of Dunwoody, 2022
21. Emergency Medical Technician (EMT) and Advanced EMT Examiner for initial Certification Exam. 2022.
22. Active Shooter Training with DeKalb County Fire Rescue, 2023
23. Co-responder Task Force DeKalb County: Addressing Safe Involuntary Treatment and Transport: 2023.
24. County-Wide Active Shooter Exercise at State Farm Building, Dunwoody, GA, 2023
25. Anatomy Lab: Pig Heart Dissection. Hillside Elementary School. Roswell, GA. September 2023 and 2024.
26. Open Hand Atlanta, helping to pack and prepare nutritious meals for individuals in need, including those who are underserved, chronically ill, or facing food insecurity. January 2025.
27. Volunteered in Medical Station at FIFA Club Cup Games, Mercedes Benz Stadium, Atlanta, GA. July 2025.

b. Media Appearances:

1. Fox / CBS New Jersey: Spokesperson and Project Representative, Hurricane Irene and Hurricane Maria Relief, Puerto Rico, United States Territory; 2017
2. Fox 5 Atlanta, Georgia: Appearance for reuniting a cardiac arrest survivor, EMS crews, and the bystander who initiated CPR. Region III Awards Banquet, May 22, 2019.
3. W.A.B.E. 90.1 FM. Atlanta, Georgia. "Bystanders Who Perform CPR Exponentially Increase Survival Rates – One Atlanta Man Knows." NPR Coverage on cardiac arrest save. August 2019.
4. St. George's University COVID Campaign. "SGU Alum Shares Experience on the Front Lines of COVID Pandemic." May 14, 2020
5. "New Emory Telehealth EMS program aims to improve rural Georgia emergency care." EMORY Health Sciences News. Direct quote and mention of Project Directorship. April 2021.
6. "Grantee Spotlight – Emory Rural Tele-EMS Network." Featured in Community Health Systems Development Rural Health Link Q&A. February 2023.

7. "Telemedicine Connects Rural Paramedics to Physicians." Published online: January 30, 2025: Journal of Emergency Medical Services (JEMS) at: https://www.jems.com/patient-care/telemedicine-connects-rural-paramedics-to-physicians/?fbclid=IwY2xjawJiVnBleHRuA2FibQIxMQABHI3CLH8YAT64uudOGdlvgWMH6JtapTPuBYIzixUcVVHAZk6wfB28dXXfywPL_aem_P7kR_KYeyMRSzfztovF7g
8. "Supporting emergency medical response with mobile technology." Healthcare IT News. Published online: April 2, 2025 at: <https://www.healthcareitnews.com/news/supporting-emergency-medical-response-mobile-technology>
9. "Emergency Medical Response with Mobile Medical Telemedicine Technology Delivers Health Equity and Improved Patient Outcomes." DT Research Case Study. Published online: April 2, 2025 at: https://www.dtresearch.com/Industry/industry/CaseStudy/case_study/DTR_Emergency_Medical_Response_case_study.pdf
10. "Telemedicine in ambulances speeds up care for patients in rural Georgia." Emory News Center, Emory University. Published online: April 16, 2025 at: https://news.emory.edu/stories/2025/04/hs_paves_16_04_2025/story.html

20. Honors and Awards:

- a. Selected Young Faculty Graduate Medical Education Representative, Clinical Learning Environment Review (CLER), Newark Beth Israel Medical Center, Newark, New Jersey, 2018
- b. Faculty Excellence Award, Emory University School of Medicine Annual Awards Ceremony, October 28, 2020: Award for Founding President of Georgia Chapter NAEMSP
- c. DeKalb County Torchbearer Award, "For involvement in the community with establishing the Emory Rural Tele-EMS Network." April 19, 2021
- d. Faculty Excellence Award, Emory University School of Medicine Annual Awards Ceremony, October 20, 2021: Award Recognizing the DeKalb County Torchbearer Award.
- e. Fellow of the American College of Emergency Physicians (FACEP), 2021
- f. Winner New Speakers Series, National Association of EMS Physicians (NAEMSP) January 2022.
- g. Fellow of the Academy of Emergency Medical Services (FAEMS), 2022
- h. Faculty Excellence Award, Emory University School of Medicine, October 2022: Recognition of Research in Rural Tele-EMS
- i. Selected Fellow, EUREKA Institute by the National Foundation of Emergency Medicine – Fellowship from February 2023 to 2025.
- j. National Doctors Day recognition for excellence in education, Emory University School of Medicine, March 2023 and 2024.
- k. Winner Federation of State Medical Boards Conference (FSMB) Academic Poster Competition, May 2023
- l. Atlanta Business Chronical Rural Healthcare Champion of the Year Award. March 2025.
- m. Medical Director of the Year for 2024. Air Methods Corporation. Awarded August 2025.

21. Formal Teaching:

- a. Course Direction and Organization:
 1. National Emerging Special Pathogens Training and Education Center (NETEC)
 - i. "Clinical Biosafety Transport for Operators" (8-hour program), Emerging

- Infectious Disease Preparedness Workshop, Miami-Dade Fire Rescue, Miami, FL, April 11-13, 2019
- ii. "Clinical Biosafety Transport for Operators" (8-hour program), Emerging Infectious Disease Preparedness Workshop, Jacksonville Fire Rescue, Jacksonville, FL, May 8-11, 2019
- iii. "Clinical Biosafety Transport for Operators" (8-hour program), Emerging Infectious Disease Preparedness Workshop, Grady EMS / Angle 2 Crew, Atlanta, GA, May 22, 2019
- iv. "Clinical Biosafety Transport for Operators" (8-hour program), Emerging Infectious Disease Preparedness Workshop, Jeff State Community College, Birmingham, AL, June 20, 2019
- v. "Clinical Biosafety Transport for Operators" (8-hour program), Emerging Infectious Disease Preparedness Workshop, Perham Fire Rescue, Perham, MN, August 20-21, 2019
- vi. "Clinical Biosafety Transport for Operators" (8-hour program), Emerging Infectious Disease Preparedness Workshop, Yale-Newhaven Fire Rescue, Newhaven, CT, October 20, 2019
- vii. "Clinical Biosafety Transport for Operators" (8-hour program), Emerging Infectious Disease Preparedness Workshop, Northwestern University / Chicago Fire Rescue, Chicago, IL, November 18, 2019.
- viii. "Clinical Biosafety Transport for Operators" (8-hour program), Emerging Infectious Disease Preparedness Workshop, UTMB Houston, Houston TX, January 3rd and 4th, 2020.
- ix. "Clinical Biosafety Transport for Operators" (8-hour program), Emerging Infectious Disease Preparedness Workshop, Orange County Fire Rescue, Orlando, FL, January 16, 2020.
- x. "Clinical Biosafety Transport for Operators" (8-hour program), Emerging Infectious Disease Preparedness Workshop, Baptist Hospital EMS, Little Rock, AR, February 7, 2020.
- xi. Coordination of national clinical trial with Air Methods: Resuscitative Ultrasound in Helicopter EMS (RUSHEMS) – Reducing time-to-intervention in treatment of tension pneumothorax and undifferentiated shock with point of care ultrasound in the aeromedical environment. July 2020 – Present.
- xii. "High Consequence Infectious Disease Workshop" (4-hour program), EMS Today National Conference, Tampa, FL, March 2, 2020.
- xiii. Created online course video for the Biosafety Transport Operator Course (online): "Coronavirus Disease 2019 (COVID-19)." 2 contact hours for participants. February 2023.
- xiv. "Clinical Biosafety Transport for Operators" (8-hour program), Emerging Infectious Disease Preparedness Workshop, Mississippi University Medical Center, Jackson, MS, April 6, 2023.
- xv. "High Consequence Infectious Disease Workshop" (4-hour program), Fire Department International Convention (FDIC), Indianapolis, IN, April 2023 and 2024.
- xvi. "Resuscitation Academy: Tokyo." (16-hour program). Chair and presenter. EMS Asia, Tokyo, Japan. December 2023.
- xvii. "Biosafety Transport and High Consequence Infectious Disease Workshop" (16-hour program), Pan American Health Organization (PAHO). Panama City, Panama, September 2024.
- xviii. "Telephone CPR: CPR Life Links Training Workshop" (8-hour program).

- 10

- May 2023
- vii. "An Introduction to POCUS and Thoracic Ultrasound in HEMS!" (4 hours), RUSHEMS Training Workshop for Glasgow, KY Flight Crews; May 2023
- viii. "An Introduction to POCUS and Thoracic Ultrasound in HEMS!" (4 hours), RUSHEMS Training Workshop for Kennesaw, GA Flight Crews; May 2023
- ix. "An Introduction to POCUS and Thoracic Ultrasound in HEMS!" (4 hours), RUSHEMS Training Workshop for Inverness, FL Flight Crews; May 2023
- x. "An Introduction to POCUS and Thoracic Ultrasound in HEMS!" (4 hours), RUSHEMS Training Workshop for Joliet, IL Flight Crews; May 2023
- c. Small Group and Multi-Disciplinary Teaching:
 - i. Foundations Instructor Oral board case review (4 hours): 11/13/2018, 3/5/2019, 1/5/2021, 1/26/2021
 - ii. Emergency Medicine Clerkship Orientation (4 hours), Ultrasound instructor: 9/30/2019
 - iii. Emory Emergency Medicine Residency Annual Retreat, Emergency Medical Services - Medical Control, Radiation Contamination Triage, and Mass Casualty Triage (4 hours): 9/2019, 9/2022, 9/2025
 - iv. Emergency Medicine Services Fellowship Journal Club, (8 hours), Annually 2020 – Present
 - v. Cardiac Arrest Registry to Enhance Survival (CARES) Annual Team Retreat, Styles at Work and Team Building (5 hours): 9/3/2025

22. Supervisory Teaching:

- a. Clinical Precepting:
 - 1. Residency in Emergency Medicine:
 - i. Emergency Department Attending, Emergency Medicine Residency Program, Newark Beth Israel Medical Center, Newark, New Jersey. Approximately 500 hours. 2017-2018
 - ii. Emergency Department Attending, Emergency Medicine Residency Program, Emory University School of Medicine, Atlanta, Georgia. Approximately 400 hours. 2018-Present
- b. Mentoring Activities:
 - 1. Dr. Cynthia Romero (2018-2019): As core faculty in the Emory University School of Medicine EMS and Disaster Medicine fellowship in the Department of Emergency Medicine, I regularly supervised and mentored Dr. Romero throughout her one-year fellowship. Dr. Romero successfully completed one publication under my supervision. She remains on faculty at Emory University in the Department of Emergency Medicine.
 - 2. Dr. Esther Hwang (2019-2020): As core faculty in the Emory EMS and Disaster Medicine fellowship, I regularly supervised and mentored Dr. Hwang throughout her one-year fellowship. Under my mentorship, Dr. Hwang was successfully nominated as Georgia Chapter secretary for the National Association of EMS Physicians. She remains on faculty at Emory University in the Department of Emergency Medicine.
 - 3. Dr. Bob Hoke (2020-2021): As core faculty in the Emory EMS and Disaster Medicine fellowship, I regularly supervised and mentored Dr. Hoke throughout

his one-year fellowship. Under my mentorship, Dr. Hoke was an active participant in Emory Rural Tele-EMS Network planning. He is now on faculty at Mount Saini in the Department of Emergency Medicine.

4. Dr. Kelli Robinson (2021-2022): As core faculty in the Emory EMS and Disaster Medicine fellowship, I regularly supervised and mentored Dr. Robinson throughout her one-year fellowship. Under my mentorship, Dr. Robinson was an active participant in Emory Rural Tele-EMS Network. She is now on faculty at University of Maryland in the Department of Emergency Medicine.
 5. Jacob Nahmias (2022-2023): Through a partnership with the Bedford Central School District (Westchester, New York), I was paired with Jacob to serve as a research mentor. I have monthly check-in calls to mentor Jacob in research. I oversaw the design and execution of research study evaluating needle thoracostomies in Air Ambulance EMS. Jacob recently submitted a paper to a peer-reviewed journal, and presented his abstract in a regional conference.
 6. Dr. Reena Underiner (2021-Present): Dr. Underiner is a recent graduate of the Emory Emergency Medicine residency program. She developed an interest in the EMS & Disaster Medicine early in her residency and reached out to me for guidance. She recently submitted and presented her abstract in a regional conference. She was successful with being accepted into the Boston College EMS and Disaster Medicine fellowship.
 7. Major Bernice Stratton, Army Nurse, DNP Student (2023-2024): FNP/ENP Program in the Emory School of Nursing. I served as a physician mentor and oversaw Ms. Stratton's research design and execution of a quality improvement project to enhance EMS worker buy in, and patient enrollment in the Emory Rural Tele-EMS Network.
 8. Rachael Connor, MBA MPH Candidate (2023-Present): MPH Program in the Emory University Rollins School of Public Health. I serve as a physician mentor and oversee Ms. Connor's research with a focus on preparing grant applications for both the USDA and Hearst Foundation.
- c. Thesis or Dissertation Committee:
1. Undergraduate Honors Thesis Candidate: Jacob Klause. Title: "The Role of EMS Providers' Response to Behavioral Emergencies in the Atlanta Area." Graduated Emory University June 2021; Employed at AMR DeKalb EMS in Atlanta, GA. 2021.

23. **Invitations to National/International, Regional, and Institutional Conferences:**

a. National and International:

1. "Life After Medical School – Choosing a Career That Ensures Happiness, Well-Being, and . . . EMS." Emergency Medicine Interest Group Lecture Series, St. George's University School of Medicine, Grenada, West Indies, March 21, 2018
2. "Emerging Infectious Disease in EMS - Identify, Isolate, and Inform" North Carolina Disaster Symposium, Greenville, NC, March 4, 2020.
3. "Operational Considerations for EMS Biosafety Transport" North Carolina Disaster Symposium, Greenville, NC, March 4, 2020.
4. "High Consequence Infectious Disease Workshop – JEMS Webcast" Recorded for Journal of EMS Webcast on April 7, 2020.
5. "EMS Considerations in the Transportation of COVID-19 Patients" Emerging Infectious Disease Preparedness Workshop in coordination with NETEC. Webcast on June 19, 2020.
6. "EMS Operations – COVID-19 Roundup" – JEMS Webcast" Recorded for Journal of EMS Webcast on August 12, 2020.

7. "Got Masks? PPE Compliance and Fatigue in First Responder Realms." Presentation and panel expert for the National Emerging Special Pathogens Education and Training Center (NETEC). October 2, 2020.
8. "COVID-19 Clinical Rounds in EMS: Airway Management - Challenges and Successes" Presentation and panel expert for HHS Assistant Secretary for Preparedness and Response (ASPR TRACIE) Clinical Rounds (virtual), October 19, 2020.
9. "COVID-19 Delta Variant and EMS – Latest Updates" JEMS Webcast Recorded September 24, 2021.
10. "How to build a rural tele-EMS network: A Step-by-step Guide" New Speaker Series, National Association of EMS Physicians, San Diego, CA. January 2022
11. "RUSHEMS: Resuscitative Ultrasound in Helicopter Emergency Medical Services" Butterfly IQ Virtual Research Conference, Via online Webinar. July 6, 2022.
12. "Pediatric Experiences in a Statewide Rural Tele-EMS Network: Are We Changing Local Practice?" Mediterranean Emergency Medicine Congress 2022. Malta. September 20, 2022.
13. "Point of Care Ultrasound in Emergency Medical Services." Mediterranean Emergency Medicine Congress 2022. Malta. September 21, 2022.
14. "How to Deploy a Rural Tele-EMS Network: A Step-by-Step Guide." National Association of EMS Physicians Annual Conference, Tampa, FL. January 2023
15. "Emergency Medical Services (EMS) Hierarchy of Controls – Identify Isolate and Inform: Marburg Virus Disease." Emory University ECHO Project together with the Serious Communicable Diseases Program. May 2023.
16. "The Role of Telehealth in Disaster Response: Southern Regional Disaster Response Framework" Office for the Advancement of Telehealth (OAT) Virtual Grantee Meeting. June 27, 2023.
17. "Implementation of a State-Wide Rural Tele-EMS Network: Early Experiences and Lessons Learned." Mediterranean Emergency Medicine Congress 2023. Rhodes, Greece. September 10, 2023.
18. "Emory Department of Emergency Medicine: Telehealth and Disaster Preparedness." Association of American Medical Colleges (AAMC) National Conference. September 12, 2023.
19. "Prehospital Telemedicine: Challenges and Successes During the COVID-19 Pandemic." International Conference on Emergency Medicine and Critical Care Medicine. Ha Long Bay, Vietnam. September 30, 2023.
20. "The Southern Regional Disaster Response System (SRDRS) – Leveraging Telehealth as Part of your Preparedness Efforts." National Consortium of Telehealth Resource Centers (NCTRC) Webinar. October 2023.
21. "Projected Patient Volume for Tele-EMS In Rural Georgia: A Cross-Sectional Study." SEARCH 2023 - The National Telehealth Research Symposium. Philadelphia, PA. November 2023.
22. "Prehospital Telemedicine: Challenges, Successes, and Lessons Learned in a Rural Tele-EMS Network in Georgia, USA." EMS Asia. Tokyo, Japan. December 2023.
23. "Resuscitation Academy: Measure and Improve with Data." EMS Asia. Tokyo, Japan. December 2023.
24. "Technology: Equipment and Connectivity for the Emory Rural Tele-EMS Program" Health Resources Services Administration (HRSA) Telehealth Network Grant Program. Virtual. January 31, 2024.

25. "How To Implement a Telemedicine Strategy in Your Agency." Zoll EMS-1 Webinar Series. Virtual. March 6, 2024.
26. "Cardiac Arrest Registry to Enhance Survival (CARES) Expansion and Modernization Updates." Global Out of Hospital Cardiac Arrest Registry (GOHCAR) Conference. Da Nang, Vietnam. September 18, 2024.
27. "Lights, Sirens, and Lies: Debunking Myths in Prehospital Care: Unveiling Truths behind Common EMS Practices." International Conference on Emergency Medicine and Critical Care Medicine. Da Nang, Vietnam. September 20, 2024.
28. "Prehospital Telemedicine: Challenges, Successes, and Lessons Learned in a Rural Tele-EMS Network in Georgia, USA." Vajira Hospital Emergency Medicine Conference. Bangkok, Thailand. September 23, 2024.
29. "Cardiac Arrest Registry Data: Measure and Improve!" Resuscitation Academy Foundation. Seattle, WA. October 21, 2024.
30. "CARES Program for Resuscitation Improvement, Modernization, and Expansion (PRIME) Updates." National Association of EMS Physicians Annual Conference, San Diego, CA. January 9, 2025.
31. "Best Practices and Ethical Considerations for Telemedicine in the EMS System" EMS Asia. Hua Hin, Thailand. February 2025.
32. "Cardiac Arrest Registry Data: Measure and Improve!" Resuscitation Academy Foundation at the FDIC Conference. Indianapolis, IN. April 7 and 8, 2025.
33. "CARES Program for Resuscitation Improvement, Modernization, and Expansion (PRIME) Updates: 2024 Annual" CARES Annual Conference, Atlanta, GA. September 4, 2025.

b. Regional:

1. "Medication Facilitated Airway Management" - Newark, New Jersey, Regional Difficult Airway Course, May 8, 2018
2. "The Last Ones to the Party" – A Comprehensive Literature Review Supporting the use of Prehospital Tranexamic Acid (TXA), Newark, New Jersey, Regional ALL-NJ EMS Conference, May 22, 2018
3. "Predicting the Difficult Airway" – Austell, Georgia, Regional EMS Week Conference at Wellstar Cobb Hospital, May 24, 2019
4. "Intra-aortic Balloon Pumps in HEMS – How to Avoid Personal Deflation When Faced With IABPs" – Regional Air Methods Clinical Conference via Zoom. 2020
5. "Ventilation strategies in patients with COVID-19" – Regional Air Methods Clinical Conference via Zoom. August 20, 2020.
6. "Excited Delirium and the use of Ketamine for Chemical Restraint in EMS" – DeKalb County Public Safety Committee Meeting, October 14, 2020
7. "Local Deployment of the Emory Rural Tele-EMS Network: Introduction to Randolph, Quitman, and Clay Counties" – Via Zoom for Grady EMS Region 7 on March 1, 2021
8. "Georgia DPH Coverdell Acute Stroke ECHO: EMS Advanced Treatment for Better Outcomes" March 8, 2021. Available online at: <https://bit.ly/39ltpiM>
9. "Point of Care Ultrasound in Helicopter EMS" for Air Methods Southeast Region during Monthly Clinical Conference via Zoom. March 18, 2021.
10. "Hypertonic Saline vs. Mannitol in Helicopter EMS" for Air Methods Southeast Region during Monthly Clinical Conference via Zoom. May 13, 2021.
11. "The Wall Times: Ambulance Patient Offload Delay (APOD) - Challenges and Successes." NETEC Biosafety Consortium, September 23, 2021.
12. "COVID-19 Delta Variant and EMS – Latest Updates." Air Methods Southeast

Region, September 24, 2021

13. "The Emory Rural Tele-EMS Network: Early Experiences and Lessons Learned." Zoll Regional Meeting, January 31, 2022 via Zoom.
14. "ER-TEMS and the Southern Regional Disaster Response System (SRDRS)" SRDRS Quarterly Meeting, February 16, 2022 via Zoom.
15. "Resuscitative Ultrasound in Helicopter EMS: An introduction to POCUS in the aeromedical environment." Air Methods Regional (Southeast) Meeting; 2/2022.
16. "Enhancing Region Four's Hospital Coordinating Center Preparedness and Response Framework – The Southern Regional Disaster Response System." Presented at Emergency Manager Association, Savannah, GA. April 2022.
17. "Toxicological Emergencies: Lab Errors Leading to Misdiagnosis." Air Methods Regional (Southeast) Meeting, September 15, 2022 via Zoom.
18. "How to Successfully Deploy a Rural Tele-EMS Network: A Step-by-Step Guide" Georgia Stroke Professional Alliance. Spring Conference at Phoebe Putney Memorial Hospital, Albany, GA, March 24, 2023.
19. "The Southern Regional Disaster Response System – Best Case Use of Telehealth" Presented at Emergency Manager Association, Savannah, GA. April 2023.
20. "The State of Emergency Medical Services in Georgia" Metro Atlanta EMS Conference (MAEMSC). April 27, 2023
21. "The Pivotal Role of Telehealth in Disaster Response: Southern Regional Disaster Response Framework." Southeastern Telehealth Resource Center (SETRC) Conference and Webinar Series. September 20, 2023.
22. "EMS Telemedicine: The Southern Regional Disaster Response Framework." National Association of State EMS Officials (NASEMSO) Southern Region Meeting. Helen, GA. October 11, 2023.
23. "EMS Telemedicine and The Southern Regional Disaster Response Framework." Regional ASPR Stakeholder Meeting. Virtual. December 15, 2023.
24. "Emory EMS Telemedicine and The Southern Regional Disaster Response Framework." Georgia DPH EMS Region 2 Council Meeting. Cumming, GA. January 18, 2024.
25. "Emory EMS Telemedicine and The Southern Regional Disaster Response Framework." Georgia DPH EMS Region 4 Council Meeting. Virtual. March 2024.
26. "Emory EMS Telemedicine and The Southern Regional Disaster Response Framework." Georgia DPH EMS Region 10 Council Meeting. Augusta, GA. June 2024.
27. "The Southern Regional Disaster Response Framework: Leveraging EMS Telemedicine." Miami-Dade County HPC Telehealth Symposium. Miami, FL. April 11, 2024.
28. "The Southern Regional Disaster Response System – Expansion of Telehealth in EMS" Emergency Manager Association, Savannah, GA. April 18, 2024.
29. "Disaster Coalition Update on Tele-EMS" SRDRS Stakeholder's Meeting. December 18, 2024 via Zoom.
30. "The Southern Regional Disaster Response System – Best Case Use of Telehealth." Disaster Medical Assistance Team (DMAT) Regional Meeting on March 13, 2025 via Zoom.

c. Institutional:

1. "Red Herring Cholecystitis Delays Diagnosis of Aortic Dissection" Newark Beth

Israel, Newark, New Jersey, Hospital Wide Morbidity and Mortality Conference, November 1, 2016

2. Research Defense Committee (2022 – Present)
 - i. Emory Institute for Healthcare Improvement (IHI) Case Competition – Panel subject matter expert and research mentor. April 11, 2022.
3. “Emory Rural Tele-EMS – Supporting Rural Georgia and Addressing Disparities in Access to Timely Medical Care.” Emory University School of Medicine – College Rural Health Initiative. February 7, 2023.
4. “Emory Emergency Medicine Telehealth Programs.” A presentation for incoming Emory Healthcare Leadership highlighting telehealth capabilities. Emory University. November 1, 2023.
5. “EMTALA and Obligations of Sending and Receiving Physicians” A presentation for Transfer Center Medical Officer on Call Group. Emory Healthcare. April 29, 2024.
6. “Telemedicine in Emergency Medical Services (EMS): Challenges and Successes.” Emory Emergency Medicine Frontiers in Advanced Emergency Care Conference. September 12, 2024.

24. Abstract Presentations at National/International, Regional, and Institutional Conferences:

a. National and International:

1. Zimmerman D*, Powell N, Hobson L, **Carr MJ**, Hinfey P. A retrospective review of the use of parenteral sedation for acute agitation or intoxication in the Emergency Department, an evaluation of safety. Poster at American College of Osteopathic Emergency Medicine Scientific Meeting, San Diego, California, October 2013
2. **Carr MJ***, Ariyaprakai N, Onogul B, Tagore AS, Wasserman EJ, Merlin MA. PREPP for Hypotension: PRE-hospital Push dose Pressors for hypotension. Poster at NAEMSP in San Diego, California, January 12, 2018
3. **Carr MJ***, Kosturko LN, Tanis J, Fagen L, McKechnie AJ, Merlin MA. Prehospital Administration of Tranexamic Acid (TXA) in Patients with Major Hemorrhage. Poster and Oral Presentation at NAEMSP in Austin, Texas, January 10, 2019
4. **Carr MJ***, Bauter R, Shepard P, Robbins V, Cappuccia B, McKechnie AJ, Merlin MA. Trends in Utilization of a Statewide EMS System with Prediction Models of Future Use. Poster and Oral Presentation at NAEMSP in Austin, Texas, January 11, 2019
5. Mohamed G*, Rangaraju S, **Carr MJ**, Jones A, Peczka M, Contreras I, Brasher C, Sutherly-Bhadsavle L, Danaie E, Nahab F. FAST Implementation of an Urban County Severity-based Stroke Triage Protocol: Impact and Outcomes on a Comprehensive Stroke Center. Poster and Oral Presentation at International Stroke Conference (ISC) 2022.
6. **Carr MJ**, Miller HH, Hinson S, Isakov AP. The Southern Regional Disaster Response System: How A State-wide Telehealth Framework Supports Local Disaster. Poster and Oral Presentation at the Federation of State Medical Boards Conference (FSMB) 2023.
7. **Carr MJ**, Emeli I, Hughes GB, Chesson D, Bloom I, Moran T, Ross M. Correlation of Hospital Outcomes with Emergency Department Observation Unit (EDOU) Use. Poster Presentation at the American College of Emergency Physicians (ACEP) Research Forum, 2025.

8. **Carr MJ**, Stratton B, Abiri A, Bloom I, Ross M, Lu R, Moran T, Kumar L. Bridging Gaps in Rural Emergency Care: Analysis of a Novel Tele-EMS Network and Paramedic Engagement. Poster Presentation at the American College of Emergency Physicians (ACEP) Research Forum, 2025.
9. **Carr MJ**, Emeli I, Hughes GB, Chesson D, Bloom I, Rowh M, Moran T, Ross M. Leveraging an Emergency Department Observation Unit (EDOU) in a Disaster: A Retrospective Difference-in-Differences Study. Poster Presentation at the American College of Emergency Physicians (ACEP) Research Forum, 2025.

25. Research Focus:

My research aims to address disparities in access to healthcare and medical outcomes for rural communities by driving telehealth expansion in EMS, advancing evidence-based coordinated care, and by leveraging relationships with academic, commercial, and public health partners. Specifically, I focus on delivering connected technology to underserved areas to enhance access to high quality specialty care.

26. Grant Support:

a. Active Support:

1. Federally Funded:

- i. Co-Investigator, Southern Regional Disaster Response System (SRDRS) funded by the Assistant Secretary of Preparedness and Response (ASPR); Annual direct costs: \$3,000,000; Percent of effort: 8%; September 2021–Present
- ii. Co-Investigator, Cardiac Arrest Registry to Enhance Survival (CARES) funded by the Centers for Disease Control (CDC); Annual direct costs: \$25,000,000; Percent of effort: 20%; March 2024–Present

2. Private Funding:

- i. Principal Investigator, Emory Rural Tele-EMS: Prehospital and Ambulatory Virtual Emergency Services (PAVES), William Randolph Hearst Foundation; \$200,000 over 3 years; Percent effort: 5%; October 2025 - Present

3. Contracts:

- i. DeKalb County Fire Rescue Medical Director – Percent effort: 14%
- ii. AirLife Georgia Associate Medical Director – Percent effort: 5%
- iii. AirMethods Corporation Physician Advisory Board – Percent effort: 8%

b. Previous Support:

1. Co-investigator, Ebola Biosafety and Infectious Disease Response Training, Worker Trainer Program, National Institute of Environmental Health Sciences (NIEHS); Annual direct costs: \$1,125,000; Percent of effort: 10%; March 2019 – May 2020.
2. Co-investigator, COVID-19 Training and Education Grant. Subaward from Nova Southeastern University, Florida; Annual direct costs: \$100,000. Percent of effort: 1%. 2020-2021.
3. Co-investigator, National Emerging Special Pathogens Training and Education Center (NETEC) Grant; Annual Direct Costs: \$15,000,000; Percent of effort: 5%; September 2020 – 2025
4. Principal Investigator / Director, Emory Rural Tele-EMS (ER-TEMS): Coordinating Care Between Rural EMS, Rural Hospitals, and a Comprehensive

Academic Health System Using an Emergency Provider Telemedicine Network, Health Resources and Services Administration Grant 20-036; Annual Direct Costs; \$300,000; Percent of effort: 25%; September 2020 – 2025.

5.

27. Bibliography:

a. Published and Accepted Research Articles in Peer Reviewed Journals:

1. Sterne-Marr R, Leahey PA, Bresee JE, Dickson HM, Ho W, Ragusa MJ, Donnelly RM, Amie SM, Krywy JA, Brookins ED, Orakwue SC, **Carr MJ**, Koh KY (2009) GRK2 Activation by Receptors: Role of the Kinase Large Lobe and Carboxyl-Terminal Tail. *Biochemistry*. 48: pp 4285-4293
2. **Carr MJ**, O'Shea JT, Hinfey PB (2016) Identification of the STEMI. Equivalent de Winter ECG Pattern Following Ventricular Fibrillation Cardiac Arrest: A Case Report. *Journal of Emergency Medicine*. 50(6): pp 875-880
3. **Carr MJ**, Mell HK, Weingart SD, Dicorpo J, Merlin MA. The Case for TXA: An interdisciplinary literature review. *Journal of Emergency Medical Services*. January 2018: pp 46-62.
4. **Carr MJ**, Bauter R, Shepard P, Robbins V, Cappuccia B, McKechnie AJ, Merlin MA. Temporal Trends and Future Predictions of Regional EMS System Utilization Using Statistical Modeling. *Prehospital Disaster Medicine*. January 2020.
5. Romero C, Sharter S, **Carr MJ**. Reversal of Alteplase (tPA) with Tranexamic Acid (TXA) After Spontaneous Pericardial Tamponade in a Patient Presenting with Acute Stroke Symptoms: A Case Report. *WestJEM CPC-EM*. 4(1). February 2020.
6. Collins EC, **Carr MJ**, Kim JS, Lewis J, Maleque N, Desai K, Chen L, Sevransky J, Gaddh M, Rouphael N, Hubbard J, Pendley AM. Immune thrombocytopenia in 2 healthy young women after the Pfizer-BioNTech BNT16B2b2 messenger RNA coronavirus disease 2019 vaccination. *JACEP Open*. 2(e12531). July 2021
7. Mohamed GA, Marmarchi F, Fonkeu Y, Alshaer Q, Rangaraju S, **Carr MJ**, Jones A, Peczkka M, Contreras I, Nahab F. CPSS Implementation of an Urban County Severity-based Stroke Triage Protocol: Impact and Outcomes on a Comprehensive Stroke Center. *Stroke*. February 2022
8. Isakov, A, **Carr MJ**, Munjal KG, Kumar L, Gausche-Hill MA. EMS Agenda 2050 Meets the COVID-19 Pandemic. *Health Security*. April 2022
9. Buaprasert P, Al-Araji R, Rajdev M, Vellano K, **Carr MJ**, McNally B. The past, present, and future of the Cardiac Arrest Registry to Enhance Survival (CARES). *Resuscitation Plus*. June 2024.
10. Luber SD, Joshi AU, Bhat R, **Carr MJ**, Lo B, Rider AC, Wang L, Wadman M, Oh L. Telehealth in emergency medicine residency training: A model curriculum. *JACEP Open*. Accepted November 2024. Manuscript No. JACEP-2024-0249R1.
11. **Carr MJ**, McNally BF, Kellermann AL. CARES: The national registry driving cardiac arrest surveillance and quality improvement. *J Am Coll Cardiol*. Accepted September 3, 2025.
12. Das S, Ahmed A, Capurro O, **Carr MJ**, Barerro Castedo F, Fridkin SK, Hall A, House S, Kellogg J, Kroll M, Kurtzman N, Manjunath R, Mehta CC, Mohr NM, Prakash-Asrani R, Rudolph CC, Spainhour C, Trehan T, Sevransky JE, Polito CC. Protocol for a multicenter, cluster-randomized, stepped-wedge, implementation trial of a prehospital sepsis protocol (IMPRESS Trial). *Trials*. Accepted September 2025.

b. Book Chapters

1. **Carr MJ**, Torres A. "EMERGENCY MEDICAL SERVICES" in *Dr. Carol Rivers': Preparing for the Written Board Exam in Emergency Medicine – 10th Edition*. 2021.
2. Joe JM, Kinkar J, Smith M, **Carr MJ**, Bechtel E, Randall S, Ammerman L. "Leveraging an internal innovation center, Health DesignED: the Emory Acute Care Design and Innovation Center to tackle the special technical needs of the Emory Rural Tele-EMS (ER-TEMS)" in *Healthcare Information Technology for Cardiovascular Medicine: Chapter 2*. Springer Publication. 2021.
3. **Carr MJ**, Millin MG. "EMTALA and Obligations of Sending and Receiving Physicians" in *CorePendium EMS Textbook – 1st Edition*. EM:RAP Online Textbook. 2022.

c. Published Abstracts:

1. **Carr MJ***, Ariyaprakai N, Onogul B, Tagore AS, Wasserman EJ, Merlin MA. PREPP for Hypotension: PRE-hospital Push dose Pressors for hypotension. (2018) Abstracts for the 2018 NAEMSP Scientific Assembly, *Prehospital Emergency Care*, 22:1, 101-150
2. **Carr MJ***, Kosturko LN, Tanis J, Fagen L, McKechnie AJ, Merlin MA. Prehospital Administration of Tranexamic Acid (TXA) in Patients with Major Hemorrhage. (2019) Abstracts for the 2019 NAEMSP Scientific Assembly, *Prehospital Emergency Care*, 22:1, 101-150
3. **Carr MJ**, Bauter R, Shepard P, Robbins V, Cappuccia B, McKechnie AJ, Merlin MA. Trends in Utilization of a Statewide EMS System with Prediction Models of Future Use. (2019) Abstracts for the 2019 NAEMSP Scientific Assembly, *Prehospital Emergency Care*, 22:1, 101-150.
4. Emeli IM, **Carr MJ**, Yancey A, Ross MA. Projected Patient Volume for Tele-EMS in Rural Georgia: A Cross-Sectional Study. (2024) Society for Education and the Advancement of Research in Connected Health Abstracts - SEARCH 2023 - The National Telehealth Research Symposium

d. Other Publications:

1. **Carr MJ**. Health and Happiness: Physiological Effects of Stress and Stress Relief on the Immune System. Honors Thesis, Siena College Publication. Siena College, Loudonville, New York. 2008.45p.
2. Bachenheimer B, Merlin MA, **Carr MJ**. MD-1: Inside New Jersey's Physician Response Program. EMS World. Published Online: June 19, 2018 at: <https://www.emsworld.com/article/220666/md-1-inside-new-jerseys-physician-response-program>.
3. **Carr MJ**, Stanaway N. Saving time saves lives: How technology empowers rural EMS. EMS1. Published Online: November 1, 2024 at: <https://www.ems1.com/technology/saving-time-saves-lives-how-technology-empowers-rural-ems>.

28. **Contributions Not Otherwise Noted:**

- a. Public Comment Contribution: Health Resources and Services Administration (HRSA), Office for the Advancement of Telehealth Outcome Measures, OMB No. 0915–0311—Revision, 2021.
 1. Recommendations to expand current performance improvement measures

(PIMs) to include EMS-specific metrics were submitted to HRSA. Twelve new EMS-specific measures were presented with hopes to improve performance monitoring of HRSA-funded tele-EMS projects. Measures were accepted by HRSA with expectations to include them in the next PIMS update.

- b. Reviewer, CDC Guideline Updates for Field Triage of Injured Patients, 2021
- c. Designed and implemented Mobile integrated health system (MIH) in DeKalb County, Georgia with cooperation between DeKalb County Fire Rescue and Emory University School of Medicine / Emory Healthcare. August 2023 – Present.
- d. Site Principal Investigator at Emory University Hospital for IMPRESS: Impact of Prehospital Sepsis Recognition on Timely Antibiotic Administration and Subsequent Adverse Events – a study funded by the CDC. Principal Investigator: Carmen Polito, MD
- e. Selected by CMS Administrator Dr. Mehmet Oz and HRSA Administrator Tom Engels to discuss the PAVES rural Tele-EMS initiative, contributing to federal health policy discussions on equity and the importance of institutional sponsorship for rural communities with limited access to tertiary medical care.