

DOMENIC J COREY II, MPH, FP-C, NRP, I/C

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EDUCATION

Graduate Certificate in AI Applications	Northeastern University	May 2025
MPH	Northeastern University, Urban Health Capstone: <i>Implementation and Evaluation of a New EMT Program</i> Advisors: Robert Baginski, Jamie Musler, Shan Mohammed	August 2015
BS	Northeastern University, Health Science	May 2014

TEACHING EXPERIENCE

Northeastern University Senior Lecturer, EMT Program Director <i>HLTH1203: Basic Clinical Skills</i> <i>HLTH2200: Emergency Medical Technician Training</i>	Dec 2022 to Present 9 sections taught 9 sections taught
Part-Time Lecturer , Department of Health Science <i>HLTH1200: Basic Clinical Skills</i> <i>HLTH1201: Basic Clinical Skills Lab</i> <i>HLTH2200: Emergency Medical Technician Training</i> <ul style="list-style-type: none">Developed and delivered new course including all contentFounded and maintained Department of Public Health accreditation	May 2015-Dec 2022 12 sections taught 12 sections taught 9 sections taught
Beth Israel Deaconess Medical Center Training Center Faculty , Emergency Cardiovascular Care Program <i>Advanced Cardiac Life Support Basic Life Support</i> <ul style="list-style-type: none">Overhauled course delivery modelAmerican Heart Association Training Center Faculty, certifying new instructors and evaluating, mentoring, and recertifying active instructors	July 2015 to Present
Southcoast Training Lead Instructor , Emergency Medical Technician program Lab Instructor , Paramedic program	Oct 2012 to April 2014

PROFESSIONAL EXPERIENCE

Brewster Ambulance Service

Director of Innovation

May 2024-Present

- Propose and implement innovative solutions to organizational challenges and inefficiencies.
- Lead integration of AI across all departments.

Per Diem Paramedic Field Supervisor

Jan 2023-Present

- Supervise operations of 10-15 ambulances servicing 911 communities, hospitals, and medical facility transportation contracts.
- Provide Advanced Life Support patient care to 911 communities and interfacility transfers.
- Lead special projects, including successful proposal to DPH resulting in updated Statewide Treatment Protocols increasing scope of practice for Advanced EMTs in the interfacility transport setting for all Massachusetts Ambulance Services.

Director of Operations

June 2020-Dec 2022

- Lead strategic direction and operational oversight of \$100M+ organization completing over 200,000 transports annually and 90,000 911 responses.
- Senior leadership member reporting directly to ownership.
- Awarded and implemented \$28M in new hospital contracts as exclusive provider.
- Renewed and extended municipal 911 contracts in Middleboro, Plymouth, Quincy, Braintree, Taunton, and Framingham.
- Developed and launched Supervisor Mentorship Program.
- Implemented novel strategies to reduce time on task, improve utilization of resources, and increase support to field crews.

Infectious Disease Unit Leader

Jan 2020-Sept 2021

- Helmed organizational response to COVID-19 across MA, RI, NH, and FL.
- Authored and revised all internal COVID-related policies.
- Provided reporting to ownership, hospital, facility, municipal, and state partners.
- Won bids and executed launches for several multi-million dollar testing and vaccination sites across MA, RI, and NH.
- Designated Infection Control Officer.

Shift Commander

Sept 2019-June 2020

- Supervise operations of 40-60 ambulances servicing 911 communities, hospitals, and medical facility transportation contracts.

Paramedic

May 2019-Sept 2019

- Provide Advanced Life Support care to Town of Plymouth 911 and interfacility transfers.

Boston MedFlight

Critical Care Transport Specialist/Flight Paramedic

Oct 2018-Feb 2019

- Orienteer paramedic providing critical care via ground, rotor, and fixed wing vehicles.

Cataldo Ambulance Service

Shift Commander/Clinical Field Supervisor

Sept 2017-May 2019

- Supervise daily operations of 28-60 ambulances servicing 911 communities, hospitals, and medical facility transportation contracts.
- Sitting member of Continuous Quality Improvement Committee and Safety Committee.

Paramedic Field Training Officer

Nov 2012-Aug 2017

- Provide Advanced Life Support care in high-volume urban 911 system.
- Train, evaluate, and mentor new and remedial paramedic staff.
- Teach specialty training, including difficult airway, ventilator management, and infectious disease response.

Emergency Medical Technician

Feb 2011-Nov 2012

- Provide Basic Life Support to patients during interfacility medical transports and 911 back-up coverage.

Seminars and Workshops

Teaching Matters Workshops:

Rubrics

April 2024

Beyond Think-Pair-Share: Promoting Active Learning

Nov 2024

Generative AI in the Classroom

Jan 2025

Successful Group Projects

March 2025

Northeastern University Dept of Health Science

CATLR Workshops:

AI Assignment Design

March 2024

Having the Chat: Scaffolding the GenAI Conversation in Your Courses

Jan 2025

Leveraging Driving Questions to Motivate Learning

Jan 2025

Northeastern University Center for Advancing Teaching & Learning Through Research

STRIDE: Strategies and Tactics for Recruiting to Improve Diversity and Excellence

Nov 2023

Northeastern University ADVANCE Office of Faculty Development

Meta-Leadership Training for Public Safety, Public Health, and Emergency

Jan 2020

Management Supervisors National Preparedness Leadership Initiative, Harvard T.H. Chan School of Public Health, Harvard Kennedy School of Government, Center for Public Leadership, Boston

- 3-day training to practice Meta-Leadership and build connectivity across departments and jurisdictions.

RESEARCH EXPERIENCE

Vicarious Trauma Toolkit Project

July 2014-Dec 2015

Northeastern University Institute for Urban Health Research and Practice

Principal Investigator: Beth Molnar, ScD

PUBLICATIONS

Oto, B., **Corey, D.**, Oswald, J., Sifford, D., & Walsh, B. (2015, September). Early Secondary Neurologic Deterioration After Blunt Spinal Trauma: A Review of the Literature. *Academic Emergency Medicine: Official Journal of the Society for Academic Emergency Medicine*, 22(10), 1200–1212. <http://doi.org/10.1111/acem.12765>

PRESENTATIONS AND INVITED LECTURES

Invited Lectures

AI and EMS Business Development: A Strategic Advantage Presented at the American Ambulance Association Annual Conference June 2025

Embedding Responsible AI Use in EMS Education. Virtual Webinar hosted by American Ambulance Association. May 2025

The (Im)Perfection of Learning Through GenAI, Simulation, and Real-World EMS Experience Presented at the 2025 NU Conference for Advancing Evidence-Based Learning April 2025

ECG: Everyone Can Graph! Presented at The 30th Annual Conference of the National Collegiate Emergency Medical Services Foundation, Boston, MA. Feb 2023

Adrenaline Rush The 2018 National Collegiate EMS Foundation Massachusetts Meet-up, Cambridge, MA. Oct 2018

Just Kidding! The 2017 National Collegiate EMS Foundation Massachusetts Meet-up, Cambridge, MA. Oct 2017

How's Your #Craydar? The 2016 National Collegiate EMS Foundation Massachusetts Meet-up, Cambridge, MA. Oct 2016

BLS Airway Management The 2015 National Collegiate EMS Foundation Massachusetts Meet-up, Cambridge, MA. Oct 2015

Get Me That Tube! Is Endotracheal Intubation the Only Way? Presented at The 22nd Annual Conference of the National Collegiate Emergency Medical Services Foundation, Baltimore, MD. Feb 2015

Panelist

Insight Gained on Fire and EMS Response, Vicarious Trauma, and the Impact of COVID-19 July 2021

The International Association of Chiefs of Police in partnership with the Vicarious Trauma Research Institute.

Virtual Listening Session for Public Safety Personnel Focused on Vicarious Trauma and the Impact of COVID-19 July 2020

The International Association of Chiefs of Police in partnership with the Vicarious Trauma Research Institute.

PROFESSIONAL AFFILIATIONS

Pro EMS Center for Medics Academic Advisory Committee	2022-Present
American Ambulance Association	2020-Present
Massachusetts Ambulance Association	2020-Present
<ul style="list-style-type: none"> Operations Sub-Committee 	2020-2022
National Collegiate EMS Foundation	2011-Present

PROFESSIONAL LICENSES AND CERTIFICATIONS

International Board of Specialty Certification	
Certified Flight Paramedic #8833	Sept 2018
Massachusetts Department of Public Health	
Instructor/Coordinator #IC-897645	May 2014
Paramedic #P888462	Sept 2012
Emergency Medical Technician #888462	Nov 2010
National Registry of Emergency Medical Technicians	
Paramedic #M5005999	June 2013
Society of Critical Care Medicine	
Fundamental Critical Care Support Provider #167907-701CF3	May 2018
American Academy of Pediatrics	
Neonatal Resuscitation Provider	Aug 2017
Massachusetts Emergency Management Agency	
ICS-300 Intermediate Incident Command System for Expanding Incidents	Aug 2016

FEMA Emergency Management Institute

IS-808 Emergency Support Function #8 Public Health and Medical Services	May 2016
IS-230c Fundamentals of Emergency Management	Aug 2013
ICS-100 HCB Introduction to the ICS System for Healthcare/Hospitals	Aug 2013
IS-800b National Response Framework, An Introduction	July 2013
ICS-200 ICS for Single Resources and Initial Action Incident	July 2013
IS-701a NIMS Multiagency Coordination System (MACS)	Nov 2012
IS-700a National Incident Management System (NIMS) An Introduction	Nov 2012
ICS-100 Introduction to Incident Command System	Nov 2012

American Heart Association

Training Center Faculty	Dec 2015
Advanced Cardiac Life Support Instructor	July 2015
Advanced Cardiac Life Support for the Experienced Provider	July 2013
Basic Life Support Instructor	May 2012
Pediatric Advanced Life Support	Nov 2011
Advanced Cardiac Life Support	Nov 2011
Basic Life Support	May 2010

Northwest Center for Public Health Practice

Emergency Risk Communication	Aug 2013
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National Association of Emergency Medical Technicians

Pre-Hospital Trauma Life Support	April 2013
Emergency Pediatric Care	June 2013

ADVISING AND MENTORING

Student Organizations

Northeastern University Emergency Medical Services, <i>Faculty Advisor</i>	May 2023-Present
Naloxone Outreach and Education Initiative, <i>Founding Faculty Advisor</i>	Oct 2023-Present

Undergraduate**Capstones:**

Emily Nally, B.S., Health Science	2025
Isabelle Frieswick, B.S., Health Science	2024
Kayla Reisberg, B.S., Health Science	2024
Skylar Kohn, B.S., Health Science	2023
Aidan Hopper, B.S., Health Science	2017

Major Projects:

Marlowe Bederman, Brian Chong, Madison Dorazio, Zachary Kahn, Sophia Voller-Berdan, HONR3310: <i>Transforming Public Health with Complex Systems Analysis</i> , Final Project Advisor	2023
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Part Time Faculty

Benjamin Boossarangi, HLTH1203, HLTH2200	2023-Present
Matthew Williams, HLTH1203, HLTH2200	2019-Present
Aidan Hopper, HLTH1203	2021
Todd Hodgkiss, HLTH2200	2019-2020
Paul Schneider, HLTH2200	2018-2019

Service to the Profession

Massachusetts DPH POLST EMS Advisory Group	2024-Present
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