

Boston EMS offers a two-year Emergency Medicine Fellowship Program that provides training and education in all aspects of emergency medical services including operations, training, research, administration, and treatment. The Fellowship Program prepares physicians to be leaders in the field of emergency medicine and to conduct all aspects of EMS system medical direction.



Medical Direction:

1. Medical Control: Learn the scope of medical oversight and the responsibilities involved with providing direct on-line as well as indirect/off-line medical control.
2. Physician Medical Direction for Controlled Substances: The second year fellow is responsible for off-line supervision and medical control for all controlled substances administered by Boston EMS Paramedics.

Communication:

1. Emergency Medical Dispatch Protocols (EMD)/CMED: The fellow will have the opportunity to learn the principles of emergency medical dispatch, communications, and 911 systems. The fellow will learn how these systems operate by spending time in Dispatch Operations and by working with communications staff on continuing education for call takers, guide card revision and quality improvement.

Administration:

1. Participation in Local/Regional/National EMS Related Functions: The fellow will gain an understanding of the interplay of local, regional, and national regulatory processes regarding EMS administration. The fellow will be encouraged to attend local, regional, state, and national administrative meetings (COBTH, COBTH-Disaster, Region IV Massachusetts, State Medical Services Committee, NAEMSP and EAGLES).
2. EMT/Paramedic Recruitment: The fellow will participate in the Boston EMS EMT and Paramedic selection process.
3. Quality Improvement: The fellow will play an active role in the continuous quality improvement program. The fellow is required to perform BLS and ALS trip sheet review and present cases for continued education and process improvement.
4. Procurement/New Product/State Waiver Process: The fellow is encouraged to gain experience in researching new procedures, devices, medications and foster service acceptance and/or state acceptance.
5. Medical Director Course: Through the National Association of EMS Physicians, the course will provide the fellow with a general understanding of the medical director role. The course is required and should be taken during the first year of the fellowship.

Field Experience/Ride Along:

1. Ride Along with ALS and BLS: Ride alongs are required and allow the fellow to gain a deeper understanding of pre-hospital logistics and inter-service collaboration. The fellow will directly observe EMT recruits and Paramedic interns. Ride alongs also provide the opportunity for the fellow to build a rapport with field personnel.
2. Aero Medicine: The fellow is also encouraged to ride along with Boston Med Flight.

Teaching:

1. BLS/ALS/Boston Fire In-service/Training/Re-certification: The fellow is required to participate in the initial and continuing education of EMTS and Paramedics, which is to be performed for all shifts: day, evening, and night.
2. Emergency Medicine Resident/Medical Student Training: The fellow will play an active role in emergency medicine resident and medical student curriculum development, education, and training.

Mass Gathering/Mass Casualty Medicine:

1. Hazmat 24 or 40-hour Course: The fellow should take the 24-hour hazmat course and will also be encouraged to take the 40-hour hazmat course. The fellow may also consider involvement with the BMC DERT team to learn more about dealing with hazmat incidents in an emergency department/hospital setting.
2. Participating in the Planning Process and Provision of Care During Mass Gatherings: Involvement in the Boston Marathon, July Fourth, and First Night Celebration will provide the fellow with a better understanding of political and logistical issues involved in the provision of medical care at mass gatherings.
3. Participation in Mass Casualty Medicine: Involvement in small and large-scale drills, table-top exercises and multi-agency drills will familiarize the fellow with the challenges of coordinating an optimal medical response with different services and jurisdictions in response to mass casualty incidents.

Fellows who wish to be considered as combined EMS/Disaster Fellows must fulfill the additional requirements outlined below.

Disaster Preparedness:

1. NDMS: The fellow is encouraged to join DMAT/NDMS to gain further disaster medical response experience.
2. DelValle Institute: The fellow is expected to participate in the DelValle Institute for Emergency Preparedness as a lecturer/trainer.
3. NIMS/ICS: The fellow must complete the Department of Homeland Security/Federal Emergency Management Agency emergency preparedness training including ICS-100 and ICS-200, and NIMS IS-700 and IS-800.
4. Operational Medicine: The fellow is expected to participate in operational medicine training as available.
5. Local/Regional/State Meetings: The fellow is expected to attend the local, regional, and state disaster preparedness meetings including COBTH Disaster and state surge meetings.
6. Policy Development: The Fellow will participate and/or coordinate the development of a planning policy in disaster preparedness at the local, state, regional, or federal level. This may coordinate with the fellow's school of public health practicum requirement and should result in a written policy.