

# International Scholars in Emergency Medical Services and Disaster Medicine

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## Intensive Training Program



Department of Emergency Medicine  
Section of Emergency Medical Services & Disaster Medicine

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## **INTRODUCTION**

The Emergency Medical Services (EMS) and disaster medicine intensive short-term training program at

Assistant Medical Director, Milwaukee County EMS  
Director of Mass Gathering and Event Medicine  
Assistant Program Director

Lorin Browne, MD – Assistant Professor, Department of Pediatrics - Emergency Medicine and Pediatric  
Assistant Medical Director, Milwaukee County EMS:  
Medical Director, Pediatric EMS

E. Brooke Lerner, PhD – Professor, Department of Emergency Medicine and Director of Research:  
EMS Research

The activities of the training

the differences in operations, political atmosphere and administration. The trainee will attend meetings

The trainee will learn about community education by attending meetings of the Public Information Committee of the Milwaukee County Council on EMS and by meetings with the Froedtert Hospital Community Liaison.

### ***11. Communications***

The trainee will learn about the various types of dispatch systems, computer-aided dispatch, and will witness how it is utilized in real-time. The trainee will assist in managing the region's internet-based regional hospital diversion and disaster notification network. The trainee will learn about and use radio systems, phone patching equipment, tower selection and twenty-four hour multichannel recording devices.

### ***12. Disaster Management***

The trainee will become familiar with the essential components of a disaster plan. Experienced personnel at Milwaukee County Office of Emergency Management will provide the trainee with extensive information and insight about community disaster planning and integration with non-EMS services and other levels of government. The trainee will also assist the Milwaukee County EMS Medical Director in reviewing the County Emergency Plan. The trainee will also attend Hazardous Materials responder training classes at the Milwaukee Fire Department. The trainee will also have the opportunity to participate in Emergency Preparedness scenarios as they become available. The trainee will complete the Core and Basic National Disaster Life Support course work.

### ***13. Prevention***

The trainee will learn about prevention issues through meetings with Steven Hargarten, MD, MPH, Director of the Injury Research Center (IRC) and with IRC staff and faculty.

### ***14. Medical Direction***

#### *Direct*

The trainee will become familiar with the local ALS protocols. The trainee will successfully complete the Base Station Orientation Course and will observe base physicians providing direct medical control.

#### *Indirect*

The trainee will participate in all ALS protocol revision activities. The trainee will be provided with selected readings from *Prehospital Systems and Medical Oversight (NAEMSP)* and *Principles of EMS Systems (ACEP)*.

### ***15. EMS Research***

The trainee will meet with the MCW Department of Emergency Medicine Research Director to learn about the current research activities of the department and will also attend regularly scheduled MCW seminars on research topics/methods.

With the assistance of MCW faculty, the trainee will design a research project related to emergency medical services and/or emergency medicine applicable to their home country. The trainee will also

complete the usual human subjects research training required of all MCW Faculty participating in studies. The Trainee will present their idea and proposal to the EMS Program Faculty and at the MCW Emergency Medicine Grand Rounds Conference.

### ***Didactic Core Reading List***

*Quality Management and Prehospital Care (2<sup>nd</sup> Edition, Editor: Swor)*

*Prehospital Systems and Medical Oversight (4<sup>th</sup> Edition, Editor: Cone/O'Connor/Fowler)*

*EMS Agenda for the Future (National Highway Traffic Safety Administration)*

*EMS Agenda for the Future Implementation Guide (National Highway Traffic Safety Administration)*

*Medical Direction of Emergency Medical Services (ACEP)*

*Toxico-terrorism (Editors: McFee/Leikin)*

*Prehospital Emergency Care (peer reviewed journal from NAEMSP)*

*Emergency Care for Children (Institute of Medicine)*

*Miscellaneous articles – Resuscitation Outcomes Consortium, Ontario Prehospital Advanced Life Support*

### **Experiential Curriculum**

The EMS trainee will also observe in real-time various EMS managers and providers while they administer the EMS system and deliver medical care to patients. These experiences will allow the trainee to gain in-depth knowledge of the delivery of emergency medical services.

Such experiences will include incidental patient contact, where the trainee will be present with licensed providers when they conduct patient care. The trainee will observe the delivery of care and may have the ability to conduct limited patient histories and exams under the direct supervision of a licensed provider. The trainee will also discuss assessment and treatment modalities with licensed providers. However, the trainee will **not** have the authority to determine clinical management, perform procedures, nor have contact with a patient independently or without the direct supervision of a licensed provider.

### **Emergency Department Mentorship: 16 Contact hours/Month**

Trainees will shadow a Medical College of Wisconsin Faculty during their scheduled Emergency Department shift at Froedtert Hospital and Children's Hospital of Wisconsin. Froedtert and Children's are Level 1 Trauma Centers. The trainee will interact with nursing, staff and other health care providers while they are administering emergency care. This experience will allow the trainee to compare and contrast EM medicine and EMS medicine.

**EMS Hands-on experience will include: Total 108 Contact hours/Month**

**1. *Participation with EMS field providers: 48 Contact hours/Month***

Shifts with Milwaukee County paramedics will be regularly scheduled to allow the trainee to evaluate paramedic performance in real-time, educate paramedics in the clinical setting and observe hands-on skills. The trainee will have the opportunity to interact with EMS providers and emergency physicians while observing shifts in the Froedtert Hospital and Children's Hospital of Wisconsin Emergency Departments.

**2. *Participation as an EMS educator: 2 Contact hours/Month***

The trainee may educate EMS providers at the Milwaukee County EMS Education Center during initial and continuing education programs. The trainee may also present EMS topics at the Department of Emergency Medicine Grand Rounds.

**3. *Participation in quality improvement activities: 2 Contact hours/Month***

The trainee will meet the Quality Coordinator at the Milwaukee County Office of Emergency Management to review cases and understand data trends. The trainee will also review Medical Command Forms to understand base station activities.

**4. *Emergency vehicle operations: occurs during item 1***

The trainee will gain experience with emergency vehicle operations (EVOC) through ambulance ride-alongs and the NHTSA EVOS Course materials.

**5. *Vehicle and technical rescue: occurs during item 1***

Rescue/extrication exercises are ongoing throughout the year in the Milwaukee area. Airport rescue demonstration will be conducted by the Milwaukee County Airport Fire Department. The trainee will participate in the Milwaukee Fire Department Bureau of Instruction and Training EMS Field Day.

**6. *Participation in disaster drill: 2 Contact hours/Month***

The trainee will participate in the planning and execution of disaster drills for Froedtert Hospital, the National Disaster Medical System, and other activities coordinated by Milwaukee County Office of Emergency Management and the Southeast Wisconsin Healthcare Emer

Base Physician Medical Command Forms and will also be able to monitor radio calls in real-time. One-on-



The trainee will observe in the City of Milwaukee 911 Communication Center that processes over 100,000 requests for service annually. This is the universal access point for requesting police, fire or EMS emergency services.

#### **CERTIFICATE OF COMPLETION**

Trainees will receive a certificate of completion from the Medical College of Wisconsin upon successfully completing a total of 132 contact hours per month of training.