

# **2019 EMS System Education & Training Guidance**

## **Muskegon County Medical Control Authority Education Committee**

### **Purpose**

This document establishes and promulgates policies and procedures for consistent and structured education and training requirements within the Muskegon County Medical Control Authority (MCA) for the 2019 calendar year.

### **Background**

The Medical Control Authority is responsible for the design and oversight of the EMS system, to include the establishment of written protocols which provide for the provision of EMS care. Life Support Agencies are responsible for ensuring licensed personnel are trained on all equipment, policies, procedures and protocols, and are accountable to the Medical Control Authority in the provision of emergency medical services. Both the Medical Control Authority and Life Support Agency are required by statute to maintain a quality improvement program.

As a part of the Quality Improvement process, the MCA evaluates system-wide areas of concern and opportunities for improvement. While the MCA makes efforts to address each of these improvement opportunities, it is our intent to select a few “Principle Subject Areas” each year that warrant the highest level of attention, and to place the bulk of resources toward addressing these opportunities. Other “Additional Subject Areas” are included in this document but will require fewer resources to accomplish. In addition, two optional subject areas have been included for agencies who wish to further their effectiveness and raise the bar in areas of additional training and leadership.

### **Coordinating Instructions**

Life Support Agencies should use this document to plan and build their education calendars. All training and education shall be conducted in accordance with approved Medical Control Authority (MCA) standards (i.e., must be conducted by an approved instructor, through an approved education program, using approved lesson plans and education templates). Agency training coordinators, or designated individuals, should work with the Medical Control Authority while planning their education calendar to ensure the easiest, most practical application of this document and its requirements.

This training guidance was formulated based on consensus of both the Education and Advisory committees and was driven by various quality improvement initiatives of the Medical Control Authority.

### **Education Committee Members**

Joe Kinnucan (NSFD)  
April Bisson (PMT)  
Chad Lawton (MCA)

Brian Michelli (FFD)  
Fred Hoffman (PMT)

Dion Stumpo (WLAA)  
Rich Warner (EM)  
Damon Obiden (MCA)

## **Instructors**

All education & training should be taught by qualified instructors who are part of the MCA's CE Sponsor Consortium, or approved by the Education Committee. Agencies which do not have qualified instructors should review the current list of approved instructors at [www.wmrmcc.org/MCA/Muskegon/CE-SPONSORSHIP/Approved-Instructors](http://www.wmrmcc.org/MCA/Muskegon/CE-SPONSORSHIP/Approved-Instructors) and make arrangements with existing instructors, or submit to the CE Sponsor to have an instructor added.

**Note:** It takes at least 30 days to have an instructor added to the CE Sponsor Consortium.

## **Instructional Materials**

It is the goal of the MCA to foster consistent training & education standards. All education & training conducted as a result of this document should be done using existing instructional materials created and/or approved by the Education Committee, including lesson plans, objectives, outlines, presentations, quizzes, tests, etc. Instructors can find these resources at [www.wmrmcc.org/MCA/Muskegon/CE-SPONSORSHIP](http://www.wmrmcc.org/MCA/Muskegon/CE-SPONSORSHIP).

## **Continuing Education Credits**


The Education Committee is committed to ensuring CE credits are available for all education & training, to the extent possible. Credits can be obtained through the CE Sponsor Consortium by following current policies for conducting a course, which can be found at [www.wmrmcc.org/MCA/Muskegon/CE-SPONSORSHIP](http://www.wmrmcc.org/MCA/Muskegon/CE-SPONSORSHIP) and clicking on 'Course Policy' under the "Policies & Procedures" section. For topics that are under 30 minutes, unfortunately credits will not be available (e.g., most topics listed under Additional Subjects Areas section).

## **Compliance**

It is the responsibility of both the individual provider and the agency to ensure the provider is up-to-date with current credentialing requirements, which includes attendance of any mandatory system in-service or skills stations (see: Medical Control Privileges Protocol and Addendum). Course completion paperwork can typically be submitted by the instructor to the CE Sponsor Consortium, including attendance rosters and any other required documents. (see: Compliance under each topic area for more specific instructions).

The Medical Director reserves the right to make individual changes to this document in order to meet the overall intent and desired end-state.

This Bulletin is effective the date signed.



Jerry Evans, MD  
Medical Director

# 2019 EMS System Education & Training Guidance

## Introduction

This document is comprised of four sections. The minimum training time this encompasses is approximately 7 hours, depending on the licensure level of agency and participation in certain advanced programs and special studies.

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## Principle Subject Areas

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This section is the primary focus of the education & training guidelines and defines required topics.

### ASHER Training

- Bleeding Control
- Unified Command
- Rescue Task Force
- Full Scale Exercise

### Enhanced Paramedic

- Mag Sulfate drip
- Heparin drip
- TPN
- Additional topics

### Advanced MFR

- Narcan
- Epi IM
- iGel



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## Additional Subject Areas

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This section contains topics that have been identified as system-level areas of improvement, topics that must be covered on a regular basis, or programs that are new to the MCA and require initial education. Most of the topics contained in this section are in the form of short, 10-minute eLearning modules that may be reviewed by each provider at their leisure. Due to the short duration of most of these topics, continuing education credits may not be available.

- Patient Documentation
- Trauma Alert Criteria
- Lights-n-Siren Response
- iGel Training



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## Leadership

### *Optional*

This section contains leadership training opportunities and is intended for any provider in a leadership position, such as fire officers, field training officers, supervisors, management and command staff. While these trainings are offered as optional, it is our goal to provide EMS leadership training opportunities to help grow the leadership within the EMS system. We should always be working toward grooming our successors.

- Just Culture
- BDLs/ADLS
- ICS 300: Intermediate ICS
- ICS 400: Advanced ICS

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## Recommended

### *Optional*

This section contains topics that are strongly encouraged by the MCA, but that are not required. For 2019, the MCA is coordinating with the state Bureau of EMS, Trauma & Preparedness to deliver a detailed update on the current state of EMS and where we are headed in the future.

- State Education Update

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## Principle Subject Areas

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### ASHER (Active Shooter & Hostile Event Response)



ALL DISCIPLINES

All agencies shall facilitate for each licensed provider to receive MCA approved education & training regarding planning, response, and recovery to an Active Shooter & Hostile Event, compliant with current NFPA 3000 standards. This training is divided into subtopics in preparation for a “full scale” Active Shooter exercise in the 4<sup>th</sup> quarter of 2019. All participating Public Service Agencies will train in preparation for the full scale exercise (i.e. Law Enforcement, Fire and EMS).

- **Bleeding Control**  
Completed by: **1<sup>st</sup> quarter**; Minimum training time: **2 hour**
- **Incident Command/Unified Command**  
Completed by: **2<sup>nd</sup> quarter**; Minimum training time: **1 hour**
- **Rescue Task Force**  
Completed by: **3<sup>rd</sup> quarter**; Minimum training time: **2 hours**
- **Active Shooter Exercise**  
Completed by: **4<sup>th</sup> quarter**; Minimum training time: **TBD**

**Instructors:** sourced from existing CE Sponsor Consortium or approved instructor(s)

**Lesson Plan:** must use an approved lesson plan

**Presentation:** must use approved presentations and materials

**Compliance:** verified by use of an Attendance Roster

**Competency:** to be evaluated through instructor & student interaction, as well as functional and/or full scale exercise of ASHER response plan

- **Bleeding Control** New protocol has been adopted (July 2018) to expand the providers’ ability to control severe external hemorrhage, including the use of compressed and/or hemostatic gauze and wound packing. In addition, ASHER trauma kits are now required by protocol to be stocked on all licensed life support vehicles. These kits are designed for mass casualty hemorrhage control and airway support, and include Israeli bandages, compressed and hemostatic gauze, tourniquets, chest seals, and other materials.
- **Incident Command/Unified Command** This course provides updated training on Incident Command System (ICS), with an emphasis on Unified Command, and specifically addresses the unique dynamics of an active shooter scene. Emergency response to an ASHER event requires extraordinary coordination between police, fire, medical, 911 and emergency management.
- **Rescue Task Force** (Concepts & Walkthroughs): Training(s) should be conducted in a multidiscipline fashion (i.e. Fire, EMS and Law Enforcement involvement). Agencies should collaborate with their respective agencies to coordinate training (e.g., Norton Shores Fire Dept. should involve Norton Shores Police Dept. and ProMed).
- **Active Shooter Exercise** (Full Scale Exercise): All agencies should participate in a full scale exercise to the extent possible. Goal is to achieve at least 30 percent saturation of all providers. Exercises will be coordinated by the Muskegon County Emergency Manager and Exercise Design Team. Additional details and guidance will be published when available.

## Enhanced Paramedic **ALS ONLY**

All Advanced Life Support licensed agencies who regularly conduct interfacility transfers shall facilitate for each licensed Paramedic to receive MCA approved education & training at the “Enhanced Paramedic” level, as outlined in current protocol (July 2018). These trainings will include both online eLearning and hands-on practical skills components.

- Antibiotics
- Antivirals
- Blood & blood products
- Colloids, crystalloids, lipids
- Heparin
- Nexium (esomeprazole)  
& Protonix (pantoprazole)
- Nitroglycerine
- Mag. sulfate/Calcium gluconate
- Pepcid (famotidine) & Zantac (ranitidine)
- Potassium (up to 20 mEq)
- Sodium bicarbonate
- TPN (Total Parenteral Nutrition)
- Tranexamic Acid (TXA)

Completed by: **4<sup>th</sup> quarter**; Minimum training time: **8 hour**

Instructors: sourced from existing CE Sponsor Consortium or approved instructor(s)

Lesson Plan: must use an approved lesson plan

Presentation: must use approved presentations and materials

Compliance: verified by use of Attendance Roster

Competency: short question/answer at conclusion of each training module, as well as written summative evaluation test at end of course (test results must be provided to the MCA)

## Advanced Skills **FD & ALS**

All participating agencies shall facilitate for each licensed provider to receive MCA approved refresher education & training in the appropriate application and use of the following:

- Naloxone Intranasal Administration (*Narcan*) (MFR, EMT) – see options below
- MABEES Intramuscular epinephrine injection (MFR, EMT) – see options below
- iGel Supraglottic Airway & Capnography confirmation device (MFR) – **0.5hr**

Option 1: Medication Administration Refresher for MFR (Narcan and Epinephrine Combined) – 1hr

Option 2: Narcan Refresher – 1hr and/or MABEES Refresher – 1hr\*

Option 3: Narcan Refresher Hybrid – 0.5hr Online American CME with 0.5hr Practical  
MABEES Refresher Hybrid – 0.5hr Online American CME with 0.5hr Practical

\*Agencies participating in both narcan and MABEES must refresh on both medications.

Completed by: **3<sup>rd</sup> quarter**

Instructors: sourced from existing CE Sponsor Consortium or approved instructor

Lesson Plan: must use an approved lesson plan

Presentation: must use approved presentations and materials

Compliance: verified by use of Attendance Roster

Competency: written summative evaluation; practical skills test scenario

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## Additional Subject Areas

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### Patient Documentation:



ALS & FD



All agencies shall facilitate for each licensed provider to receive MCA approved education & training regarding appropriate patient care documentation, with an emphasis on medical/legal implications and agency specific electronic patient care reporting requirements.

Completed by: **4<sup>th</sup> quarter**; Minimum training time: **1 hours**

Instructors: sourced from existing CE Sponsor Consortium or approved instructor

Lesson Plan: must use an approved lesson plan

Presentation: must use approved presentations and materials

Compliance: verified by use of Attendance Roster

Competency: verified through scheduled and random quality improvement sampling of patient care reports

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## Additional Subject Areas

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*(Continued)*

### Trauma Alert Criteria



ALS ONLY

All agencies shall facilitate for each licensed provider to receive MCA approved education & training regarding the significant trauma patient. This includes criteria local hospitals use to activate specialized trauma teams, EMS trauma triage criteria, trauma destination policies, discussion of the need for rapid transport and definitive care, etc.

Completed by: **4<sup>th</sup> quarter**; Minimum training time: **10 minutes**

Instructors: not required (an agency representative will need to facilitate this training)

Lesson Plan: must use an approved lesson plan

Presentation: must use approved presentations and materials

Compliance: agencies will need to submit a completion roster to the MCA, along with copies of competency evaluations for each provider

Competency: written summative evaluation

### Lights-n-Siren Response



ALS ONLY

All Advanced Life Support licensed agencies shall facilitate for each licensed provider to receive MCA approved education & training regarding the appropriate use of red lights & sirens during transport, per current protocol (July 2018). This lesson will be video based.

Completed by: **4<sup>th</sup> quarter**; Minimum training time: **1 hour**

Instructors: not required (an agency representative will need to facilitate this training)

Lesson Plan: must use an approved lesson plan

Presentation: must use approved presentations and materials

Compliance: agencies will need to submit a completion roster to the MCA, along with copies of competency evaluations for each provider

Competency: written summative evaluation

## **iGel Airway** **ALS ONLY**

All Advanced Life Support licensed agencies shall facilitate for each licensed **EMT**, **AEMT** and **MEDIC** to receive MCA approved refresher education & training in the appropriate application and use of the iGel supraglottic airway device & capnography confirmation methods.

Completed by: **4<sup>th</sup> quarter**; Minimum training time: **30 minutes**

Instructors: sourced from existing CE Sponsor Consortium or approved instructor

Lesson Plan: must use an approved lesson plan

Presentation: must use approved presentations and materials

Compliance: verified by use of Attendance Roster

Competency: practical skills test scenario

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## **Leadership**

### *Optional*

#### **Just Culture**

Just Culture is a leadership program by the Center for Patient Safety that aims to reshape our understanding of accountability, the role of the system, and the role of human behavior. Just Culture helps leadership to establish a culture that encourages open reporting of adverse events and risky situations, yet hold people and organizations accountable in a just manner.

#### **BDLS/ADLS**

Basic and Advanced Disaster Life Support are courses designed by the National Disaster Life Support Foundation. NDLSF is dedicated to the establishment and propagation of standardized, all-hazards, multi-disciplinary, and competency-based training programs.

**BDLS** is an 8 hour competency-based, awareness-level course that introduces concepts and principles to prepare health professional for the management of injuries and illnesses caused by disasters and public health emergencies. BDLS is a pre-requisite to ADLS.

**ADLS** is an intense 2-day, 15-hour course that allows participants to demonstrate competencies in mass casualty management.

It is the goal of the MCA to see every leader in the system attend an ADLS course within the next three years. The next ADLS course is scheduled for February 7<sup>th</sup> and 8<sup>th</sup> at the Frauenthal Theatre in downtown Muskegon. The pre-requisite BDLS courses are routinely scheduled throughout the region. Dates and locations can be found at [www.wmrncc.org/Calendar](http://www.wmrncc.org/Calendar), or by contacting Cameron Taylor, Region 6 Healthcare Coalition Assistant Coordinator. Both courses are free of charge and are pre-approved by the Bureau of EMS, Trauma & Preparedness for several CE credits (see MDHHS Pre-Approved CE Course at [www.wmrncc.org/MCA/Muskegon/EDUCATION](http://www.wmrncc.org/MCA/Muskegon/EDUCATION)).



### **ICS 300: Intermediate ICS for Expanding Incidents**

This course provides training on and resources for personnel who require advanced application of the incident command system, and expands upon information covered in the ICS-100 & 200 courses. Multiple ICS-300 courses are held throughout the state every year. Open courses can be found by registering and logging into the MI-TRAIN website at [www.train.org/mi-train](http://www.train.org/mi-train). Local courses will be added to the MCA education calendar throughout the year at [www.wmrmcc.org/Calendar](http://www.wmrmcc.org/Calendar).

### **ICS 400: Advanced ICS Command and General Staff Complex Incidents**

This course provides training on and resources for personnel who require advanced application of the incident command system, and expands on information covered in the ICS-100, 200 and 300 courses.

Open courses can be found by registering and logging into the MI-TRAIN website at [www.train.org/mi-train](http://www.train.org/mi-train). Local courses will be added to the MCA education calendar throughout the year at [www.wmrmcc.org/Calendar](http://www.wmrmcc.org/Calendar).

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## **Recommended**

*Optional*

### **State Education Update – Bureau of EMS, Trauma & Preparedness**

Representatives from the State EMS office will provide a 2 hour update on the state of EMS in Michigan and where we are headed as a profession in the future. This education opportunity is highly encouraged for all providers. Specifics, including date, time and location, will be published once they are available.

Specific topics will include:

- Community Paramedicine
- State of EMS
- Human Trafficking