

Course Catalog



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One Stop Hubs Content

Welcome to the One Stop Hubs Course Catalog!

One Stop Hubs provides distributive online education designed to be completed by learners individually on our learning management system. All the courses described in the catalog may be used on your site, at your discretion, based on your educational needs. Each medical course is approved by Massachusetts OEMS with an associated approval number. This approval number is communicated with the learner upon completion of the program.

How it works

Course Information

This training will review the OSHA Bloodborne Pathogens Standards as well as common diseases you may encounter in the workplace.

This program is approved for 2 continuing education credits for all certification levels from OEMS.



1

Complete the online presentation

2

Review associated documents

Course Activities

- Blood Borne Pathogens Presentation
- Blood Borne Pathogens Resource Documents
- Blood Borne Pathogens Quiz
 - Restricted** Not available unless: The activity **Blood Borne Pathogens Presentation** is marked complete.
 - Please complete the quiz with a grade of 80% or higher.
- Blood Borne Pathogens Certificate
 - Restricted** Not available unless:
 - The activity **Blood Borne Pathogens Quiz** is marked complete
 - The activity **Blood Borne Pathogens Resource Documents** is marked complete

3

Complete the knowledge assessment

3

Receive your completion certificate

- ☒
- ☒
- ☒
- ☒



The learner is encouraged to proceed through the content in order, and to complete each activity before proceeding to the next. This ensures that all the materials are being received by the learner.

Customization

You may have additional content that you would like to present to your learners in our courses..... no problem! Provide the associated content and we will add it seamlessly to the course.

You may have content that you have developed that you would like to present online on your site..... No problem! We will provide you the specifications needed to display the content and once received, publish it to your site.

You may have a special educational need, we can work with you on a solution.

Skill Competency

Because of the nature of medical education, you may need to provide live competency-based education. We provide you with an outline and skills competency checklists that can be used to acquire continuing education credits from MA OEMS, and ultimately deliver practical instruction.

Thank you for being a One Stop Hub client!

Do not hesitate to contact us at admin@onestophubs.com with any questions or needs.



Distributive Medical Education



12 –Lead Review (3 Credit Hours)

The 12-Lead review program is designed to refresh current EMS providers on the interpretation of 12-Lead EKGs. The program concentrates on the electrical anatomy and physiology, lead placement, MI recognition, and MI mimics. The course was developed in response to the Office of Emergency Medical Services mandated requirement for on-going 12-lead interpretation education.

Course Objectives:

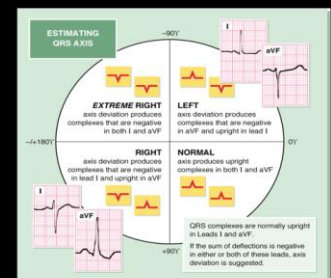
- Identify the need for performing an EKG
- Accurately place electrodes for 12 Lead EKG, including posterior and right sided views
- Differentiate between ischemia, injury, infarct, new LBBB, Q wave infarct on 12 Lead EKG
- Recognize the coronary arteries associated with myocardial injury
- Recognize classic patterns of myocardial injury
- Label 12 leads into one of 4 categories; definite STEMI, possible STEMI, Suspicious for ischemia, non-diagnostic
- Identify Mimic ACS rhythms; LVH, BER, and Pericarditis
- Recognize imitators; hypothermia, hyperkalemia, digoxin toxicity

12 Lead EKGs



Axis Deviation

- Negative complexes in I & aVF is extreme right axis deviation
- Negative complex in aVF & positive in I is Left Axis deviation
- Negative complex in Lead I & positive in aVF is Right Axis deviation
- Positive in both I and aVF is normal axis



ALS / BLS Interface (2.5 Credit Hours)

The ALS / BLS Interface program is designed to familiarize all levels of providers of the roles and responsibilities of each level of provider while providing patient care on-scene. The program is in accordance with OEMS Administrative Requirement 2-260.

Course Objectives:

- Recognize their specific role in providing patient care
- Recognize the importance of teamwork in providing patient care
- Perform skills as appropriate to the providers level of care
- Discuss the legal / ethical concerns while providing patient care
- Recognize situations that would require Medical Direction

ALS / BLS Interface



Administrative Requirement 2-260

Advanced Airway Maintenance Devices

Must Not:

Insert supraglottic or other advanced airway
Assemble or test devices (including laryngoscopes or CPAP) prior to insertion
Auscultate breath sounds to confirm airway placement
Assemble capnography device or equipment
Assemble, test or operate the automated ventilator on interfacility transfers

May, with supervision:

Retrieve advanced airway and associated equipment
Ventilate the patient with advanced airway using the bag-valve mask device and/or assist with CPAP
Retrieve equipment for capnography
Attach capnography equipment to the cardiac monitor or monitoring device
On interfacility transfers, retrieve the automated ventilator and associated equipment, such as circuitry

ALS Interfacility Transport Program (11 Credit Hours)

The ALS Interfacility program is divided into four modules. The first module covers ALS Interfacility regulations / rules as outlined in statewide protocol. The second module is a comprehensive review of the medications that have been approved in the ALS Interfacility protocol and how to properly monitor and deliver the medications. The third module reviews laboratory data, blood products, respiration and ventilator functioning and chest tube monitoring. The fourth module is a review of agency specific equipment and protocol, provided by the agency.

Course Objectives:

- Describe regulation and protocols surrounding ALS IF transport
- Describe the appropriate procedure for administering medications in the ALS Interfacility environment
- Monitor and administer medications approved for ALS transports
- Recognize and evaluate common laboratory data
- Safely monitor blood products during transport
- Describe normal respiratory functioning
- Monitor and troubleshoot ventilation devices
- Monitor and troubleshoot three chambered chest tube systems


ALS Interfacility Transport



Section 1 – Rules and Regulations

Determining the Need for CCT

- Adult
 - 3 or more infusion medications
 - >1 vasoactive drug
 - Actively paced
 - VAD
 - Balloon pump
 - Pulmonary artery catheter
 - Inter-cranial device monitored
 - Imminent airway demise / obstruction
 - ARDS / Acute lung injury ventilated





ALS Interfacility Refresher (2 Credit Hours)

The ALS Interfacility refresher program is a singular module for participants who have complete the full Interfacility program in the past. The program reviews information from the full course including regulation and protocol, medications approved for administration, patient treatment and the skills approved for the paramedic.

Course Objectives:

- Describe regulation and protocols surrounding ALS Interfacility transport
- Monitor and administer medications approved for ALS Interfacility transports
- Safely monitor blood products during transport
- Monitor IFT equipment
- Discuss clinical scenarios that may arise during IFT



Behavioral Emergencies (2 Credit Hours)

The Behavioral Emergencies program is designed to familiarize the provider with the challenges faced when treating the behavioral emergency patient. Topics discussed include the definition of behavior, pathophysiology (medical / psychiatric), assessment, treatment, legal concerns and Massachusetts applicable laws associated with the behavioral emergency patient.

Course Objectives:

- Define behavior and behavioral emergency
- Discuss the pathophysiology of behavioral emergencies
- Appropriately assess a patient with a behavioral emergency
- Recognize key features of psychiatric disorders
- Manage behavioral patients with a medical etiology
- Manager behavioral patients with a psychiatric etiology
- Describe and demonstrate the patient restraint process
- Discuss Massachusetts laws / regulation as it pertains to the behavioral patient



Big Emergencies (2 Credit Hours)

The Big Emergencies program is designed to familiarize the provider with the challenges faced when treating the bariatric patient. Topics discussed include normal digestive metabolism, pathophysiology, secondary causes and the body system effects of obesity. Providers will learn how to properly assess and treat the bariatric patient as well as complications that can arise from bariatric surgery.

Course Objectives:

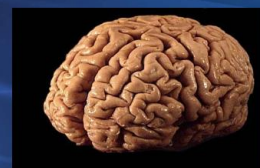
- Discuss the normal processing of calories
- Define morbid obesity
- Discuss the pathophysiology of the bariatric / morbidly obese
- Describe and discuss specific treatment modifications
- Describe gastric bypass and changes in physiology postsurgical
- Describe post-surgical complications that can necessitate an emergency response

Behavioral Emergencies



AEIOU-TIPS

Alcohol / Acidosis
Epilepsy / Environmental
Infection
Overdose
Uremia
Trauma / Tumor
Insulin
Poisoning
Stroke / Shock

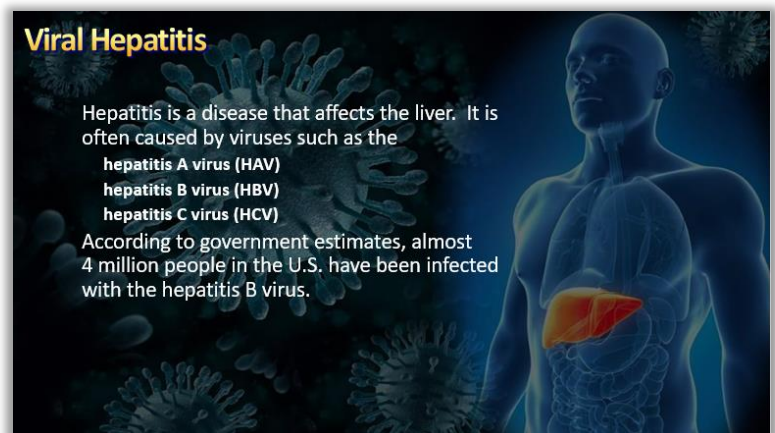
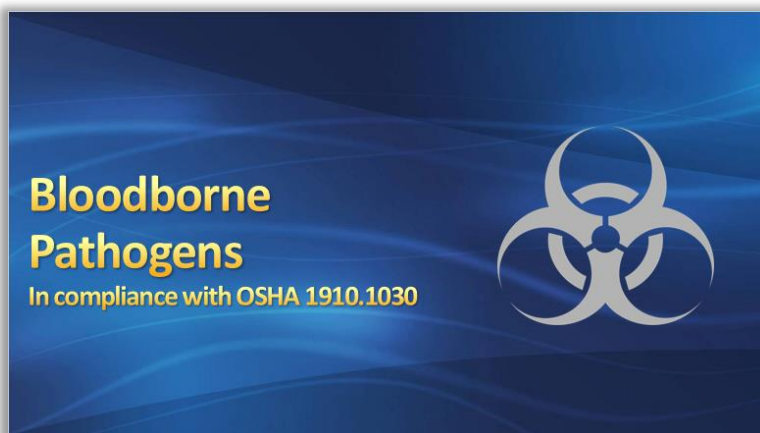


Blood Borne Pathogens (2 Credit Hours)

The Blood Borne Pathogens program is designed to familiarize all levels of providers on OSHA regulations regarding blood borne pathogens, specific diseases, the use of appropriate PPE and post – exposure procedures.

Course Objectives:

- Describe the general provisions of the OSHA Bloodborne Pathogens Standard
- Discuss the characteristics of specific bloodborne diseases
- Describe the exposure control plan for their organization
- Recognize and don appropriate personal protective equipment
- Discuss the post-exposure procedures

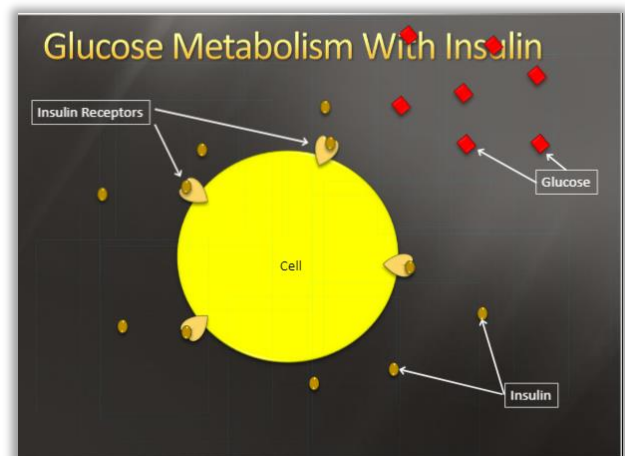


BLS Skills - Glucometer (1 Credit Hour)

The BLS Skills program is designed to educate pre-hospital providers on the use of a glucometer. Included in the program is a review of altered mental status, glucose metabolism, diabetic disease process, characteristics of oral glucose, and use of a glucometer.

Course Objectives:

- Discuss AMS and its causes
- Discuss glucose metabolism normally as well as in disease states
- Describe the disease process, recognition, and treatment of Type I and II diabetes
- Recognize and treat DKA, hypoglycemia
- Recite the drug profile for Oral Glucose
- Describe / demonstrate the use of a glucometer

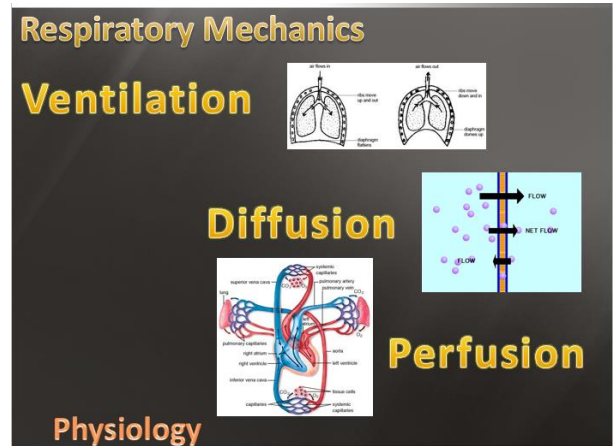


Bronchodilators via HHN and CPAP (1.5 Credit Hours)

The bronchodilators via HHN and CPAP program is designed to educate providers on the disease processes of asthma, COPD and Heart failure. Discussion and demonstration on the use of a hand –held nebulizer and continuous positive airway pressure device.

Course Objectives:

- Describe air passage and mechanics of ventilation
- Describe the disease process, recognition, and treatment of Asthma
- Recite the drug profile for Albuterol
- Describe / demonstrate the use of a hand-held nebulizer device
- Utilize the MA OEMS Protocol for albuterol administration
- Describe the disease process, recognition and treatment of COPD
- Describe the disease process, recognition and treatment of CHF
- Recite the indications and exclusions for the use of CPAP
- Describe the process in which CPAP benefits COPD / CHF

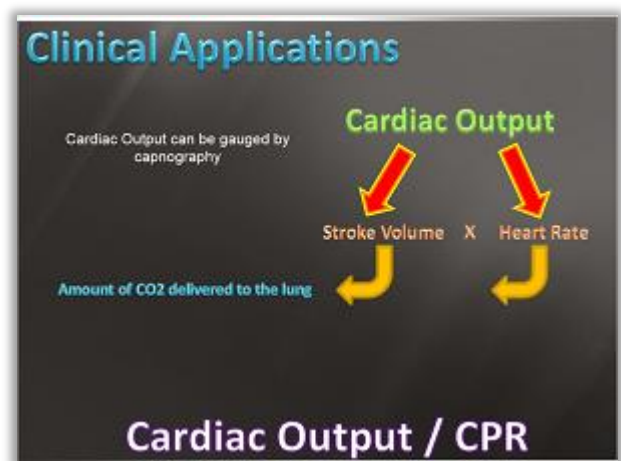
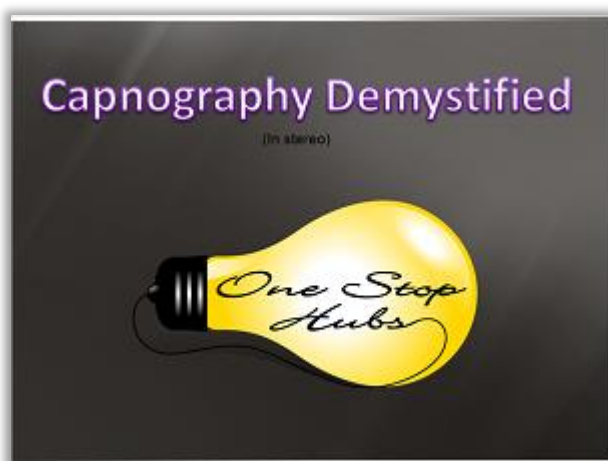


Capnography Demystified (1 Credit Hour)

The capnography program is designed to educate paramedics on the indications for capnography, interpretation of readings, normal results, abnormal results associated with disease processes and use with non-breathing patients.

Course Objectives:

- Define the terms that relate to capnography
- Compare and contrast the physiology of ventilation and oxygenation and the tools to measure each
- Identify significant portions of the capnograph waveform
- Explain the clinical applications of capnography
- Apply patriot policy and procedure for the use of capnography

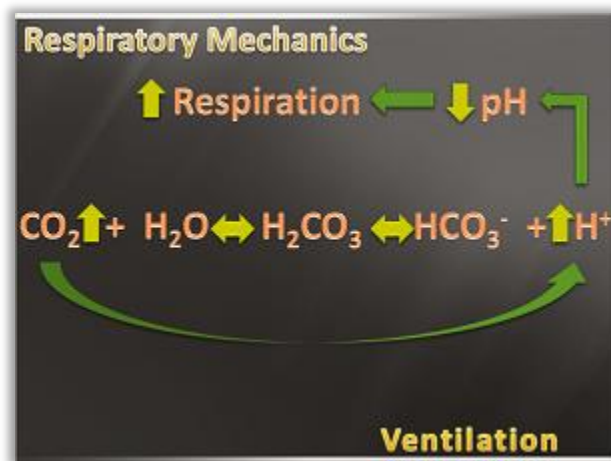


Continuous Positive Airway Pressure – CPAP (2 Credit Hours)

The CPAP program is designed to educate ALS providers about the anatomy and physiology of the respiratory system, the recognition of CHF and COPD, the indications and contraindications of CPAP, therapeutic advantages of CPAP and the use of specific devices.

Course Objectives:

- Identify and describe anatomical structures associated with breathing
- Describe the normal physiology / mechanics of respiration
- Identify and compose a treatment plan for patients with CHF
- Identify and compose a treatment plan for patients with COPD
- List the indications and contraindications for use of a CPAP device
- Describe the therapeutic advantage and actions of CPAP
- Describe a post CPAP application assessment and troubleshooting pressures provided
- Explain the application of the Pulmodyne O2-RESQ device to patients



Crime Scene Awareness (2 Credit hours)

The Crime Scene Awareness program is designed to familiarize all levels of providers on crime scene operations including scene safety, safety tactics, crime scene operations, evidence preservation, legal aspects and EMS documentation of the crime scene.

Course Objectives:

- Define and describe a crime scene
- Discuss the concept of scene safety in multiple circumstances as it relates to crime scenes
- Discuss safety tactics to deploy at a potential crime scene
- Describe the initial approach to a crime scene
- Define evidence
- Describe types of evidence and its relationship to patient care
- Describe chain of custody
- Discuss documentation of patient care as it relates to a crime scene

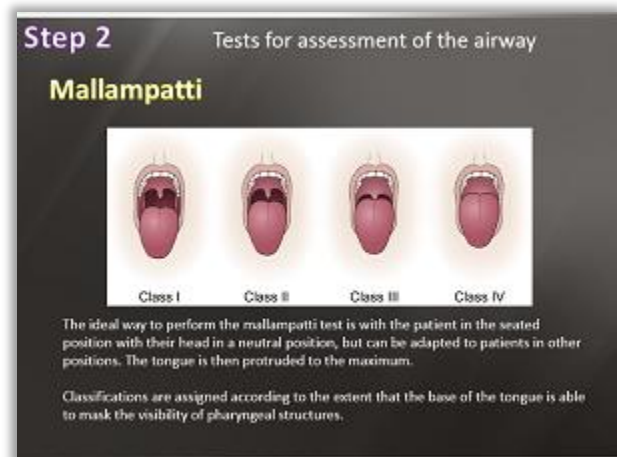
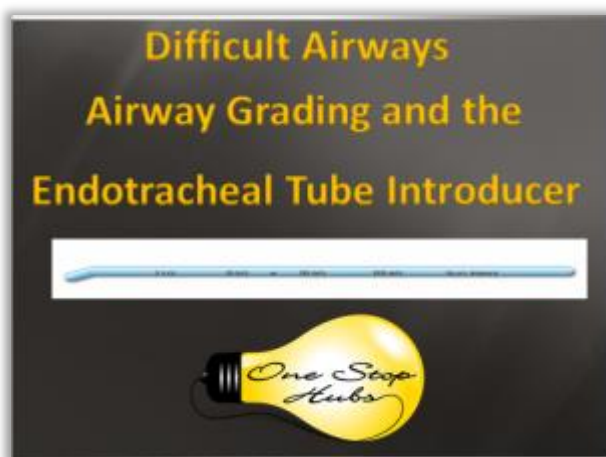


Difficult Airway (Bougie) (1 Credit Hour)

The Difficult Airway / Airway Introducer program is designed to familiarize the paramedic with grading of airway structures using common scores, common disease processes that can make intubation more difficult, and the proper use of an airway introducer device.

Course Objectives:

- Explain conditions that may interfere with advanced airway placement
- Explain the Mallampatti airway classification system
- Explain the Cormack and Lehane airway grading system
- Define the indications, precautions, and technique for the Bougie
- Demonstrate proper usage for the Bougie



Documentation (4 Credit Hours)

The Documentation program is designed to familiarize all levels of providers on various aspects of the Patient Care Report. Included in the content are introductory materials (including PCR audiences, challenges and fallacies), EMS Finance (including the EMS billing process, Medicare / Medicaid, medical necessity, medical necessity statements and ethics), Legal responsibilities (including overview of legal principals, and documentation musts), Fundamentals of documentation (including clearness, completeness, correctness, consistency and being concise), Documentation Elements (including data elements, EMS event data, demographics, assessment, examination, treatment, affirmation, narrative construction and time management), Refusals (including legal aspects, interview process, and documentation), Incident Report Documentation, Verbal Reports (including pre-hospital radio reports and face to face reports) and Crime Scene Documentation.

This program also contains a narrative writing exercise which will allow instructors to evaluate narrative writing ability by reviewing user submitted narratives.

Course Objectives:

- Recognize the importance and functions of the patient care report
- Recognize documentation challenges
- Identify the various audiences for the patient care report
- Obtain a rudimentary understanding of the EMS billing process
- Describe medical necessity and how it relates to patients receiving benefits
- Describe the ethical considerations for the Physicians Certification Statement

Course Objectives (cont.)

- Describe the legal considerations associated with patient care documentation
- Demonstrate the use of documentation fundamentals while composing patient care reports
- Recognize the key elements of patient care documentation
- Describe the principles of time management and how it relates to documentation
- Describe the legal aspects, interview techniques and documentation fundamentals for documenting a patient care refusal
- Describe the purpose and procedure for documenting incident reports
- Describe the format and procedures for pre-hospital and RN hand-off verbal reports
- Describe the documentation challenges at crime scenes



Epinephrine for EMTs

The Epinephrine for EMTs program is designed to familiarize EMS providers on the process for administering epinephrine with a check and inject program. The course will review the need for and the process of epinephrine IM administration in the absence of an epi-pen.

Course Objectives:

- Discuss the rationale for the check and inject program
- Recite the algorithm for epinephrine administration to patients
- Recognize anaphylaxis presentation
- Describe the steps for administering epinephrine using the check and inject program

Epinephrine for EMTs

Epinephrine for EMT-Basics

- A recent study has found Epi-Pen auto-injectors used to treat children in anaphylaxis caused lacerations and embedded needles.



"Researchers identified 25 cases of epinephrine auto-injector related injuries from intentional use to treat a child's allergic reaction. Twenty children experienced lacerations, as did one nurse. In four cases, the needle stuck in the child's limb."

EZ IO Intraosseous Infusion System (2 Credit Hours)

The EZ IO Intraosseous Infusion System program is designed to familiarize ALS providers on the indications, contraindications, use of the EZ IO device, patient monitoring, and medication administration. The program is completed exclusively online by viewing manufacturer produced video and instructional materials.

Course Objectives:

- Define the indications and contraindications on using the EZIO Drill
- Demonstrate proper use of the EZIO Drill
- Monitoring and medication administration through the IO access.



Glucagon for EMT (0.5 Credit Hours)

The Glucagon for EMT program is designed to familiarize the EMT-B with the administration of intramuscular glucagon for the hypoglycemic patient. Topics covered include glucose homeostasis, type I diabetes, hypoglycemia, glucagon medication profile, and the relationship to statewide treatment protocol.

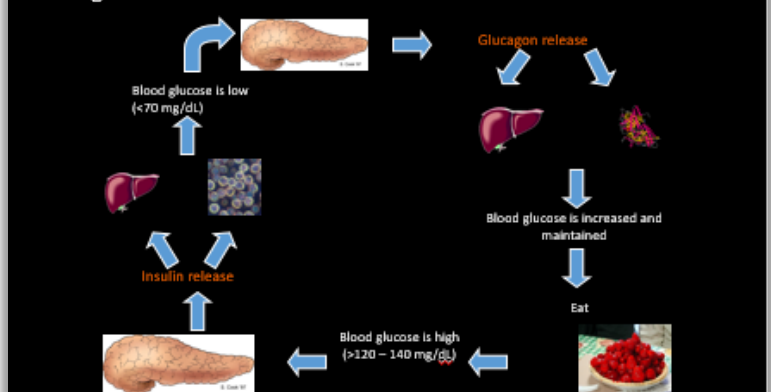
Course Objectives:

- Explain blood glucose homeostasis
- Explain the type I diabetic disease process
- Explain the patient presentation for hypoglycemia
- Discuss the role glucagon plays in treating the hypoglycemic patient
- Explain glucagon administration
- Recite SWTP 2.3A and 6.10

Glucagon for the EMT-Basic



BG Regulation - Homeostasis



Hazardous Communications (2 Credit Hours)

The Hazardous Communications program is designed to familiarize all levels of providers on identifying and handling hazardous materials that they may come into contact within the workplace.

Course Objectives:

- Recognize common chemicals used in the workplace and reduce the risk of harm by understanding where to find information about these chemicals.
- Apply the knowledge of workplace chemicals on EMS scenes
- Properly label chemicals used in the workplace
- Recognize physical and health hazards posed by chemicals in the workplace and EMS scenes
- Recognize the chemical forms / properties of chemicals found in the workplace and EMS scenes
- Incorporate safe chemical handling into everyday workplace activities



What is the difference?

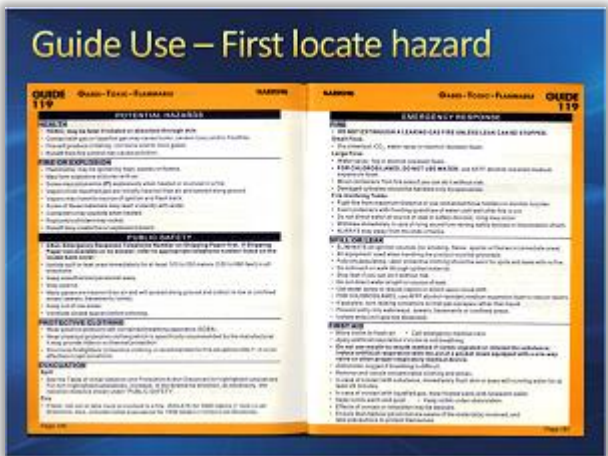
Localized	Site of contact On body	→	This is like an organic coming in contact with your skin and burning it!
Systematic	Widespread Throughout body	→	This is like inhaling vapors and causing damage to your lungs
Acute	Short-term Health problems	→	This is like the immediate effects alcohol has on the brain and kidneys.
Chronic	Long-term Health problems	→	This is like the effects of alcohol on the liver over time.

Hazardous Materials Awareness (2 Credit Hours)

The Hazardous Materials Awareness program is designed to familiarize all levels of providers on the recognition, identification and management of hazardous materials that may be found on patient care scenes.

Course Objectives:

- Recognize a Hazardous Materials Incident, the certification levels and operational modes during a Hazardous Materials incident.
- Recognize a hazard by looking for scene clues
Use of the North American Emergency Response Guidebook at Hazardous Materials incidents.
- Recognize safety procedures that should be implemented by EMS personnel at the scene of a Hazardous Materials Incident.

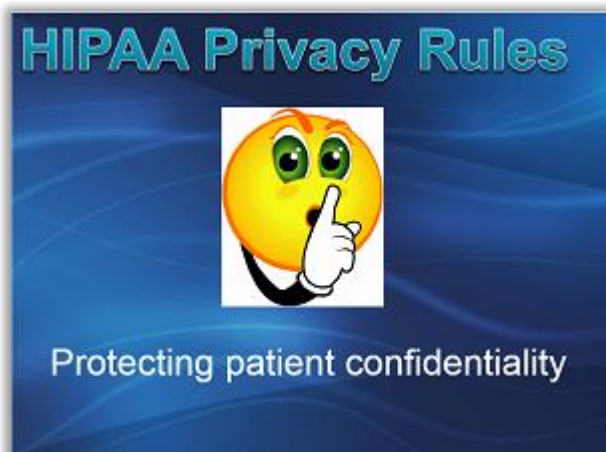


HIPAA Training (1 Credit Hour)

The HIPAA training program is designed to review the privacy provisions of the Health Insurance Portability and Accountability Act. Company specific policy and procedure can be placed in the classroom for reference.

Course Objectives:

- Describe the HIPAA history and components of the HIPAA regulation
- Incorporate the concepts of HIPAA privacy policy into the EMS workplace
- Describe the administrative components for the HIPAA regulation

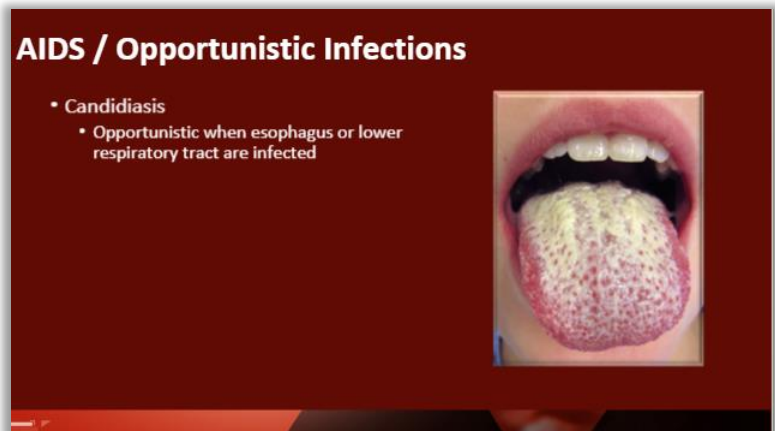


HIV / AIDS (1 Credit Hour)

The HIV / AIDS training program is designed to review the current information available from the Centers for Disease Control. Statistics, terms, disease transmission, disease progression, treatment and healthcare worker considerations are covered.

Course Objectives:

- Define commonly used terms that relate to HIV/AIDS
- Identify keystone historical events related to HIV/AIDS
- Relate HIV infection statistics based on gender, age, ethnicity and geographical location
- Incorporate HIV/AIDS infection process, transmission, prevention, treatment, and testing information into their EMS practice
- Relate the concepts of standard precautions to HIV prevention



Introduction to Active Shooter Incidents (2.5 Credit Hours)

The Introduction to Active Shooter Incidents program is designed to familiarize the provider with EMS roles and responsibilities as they relate to active shooter incidents. The program reviews the planning process, operational principles, safety practices and patient care as they relate to incidents.

Course Objectives:

- Define an Active Shooter / MCI incident
- Discuss the responsibilities of responders during an incident
- Recite the citizen response to an active shooter incident
- Describe the operational principles of active shooter incidents
- Describe the patient care guidelines as outlined by the Hartford Consensus
- Describe the patient care objectives for Hot / Warm / Cold zone operations
- Describe / demonstrate patient care / safety concepts
- Describe the concepts of cover and conceal

Introduction to Active Shooter Incidents / MCI



Planning and response

- SOP development
- Planning and practice
- NIMS / ICS
- Integrated training
- Sharing of common terms
- Tactical emergency casualty care
- Personal protective gear
- Secondary devices
- Communications with receiving facilities



Kinematics of Trauma (3 Credit Hours)

The Kinematics of Trauma program is designed to familiarize the provider with the forces that are encountered by the patient during blunt and penetrating trauma, and how to more accurately predict injury patterns. Topics discussed include the concepts of inertia, energy conservation, force, kinetic energy biomechanics of blunt and penetrating trauma.

Course Objectives:

- Apply Newton's laws of motion when developing injury index of suspicion for blunt and penetrating trauma
- Identify the purpose of biomechanics of trauma
- Identify the events of impact, restraint systems, types of impacts / collisions, and injury patterns associated with blunt force trauma
- Define and apply the phases and types of blast injuries
- Define and apply the concepts associated with ballistics
- Identify the differences between the velocity of a projectile and the injury caused
- Utilize entry and exit wound sites to predict injury



Large Vessel Occlusion Strokes and FAST-ED (1 Credit Hour)

The Large Vessel Occlusion Stroke program is designed to familiarize the provider with stroke presentation and utilization of the FAST-ED scale to dictate treatment and transport of the patient. Topics discussed include a review of stroke definitive care, the pathophysiology of large vessel occlusion stroke, the FAST-ED assessment tool, stroke mimics, appropriate treatment and transport, the role of EMS, and stroke centers.

Course Objectives:

- Discuss the evolution of stroke definitive care and LVO stroke
- Explain the pathophysiology of stroke
- Recite the assessment of stroke patients incorporating the FAST-ED stroke scale
- Recognize stroke mimics
- Discuss the appropriate treatment of the stroke patient
- Discuss the importance of a stroke alert
- Identify patients needing rapid transport to the most appropriate definitive care

Large Vessel Occlusion Stroke and the FAST-ED Tool



Speech Changes

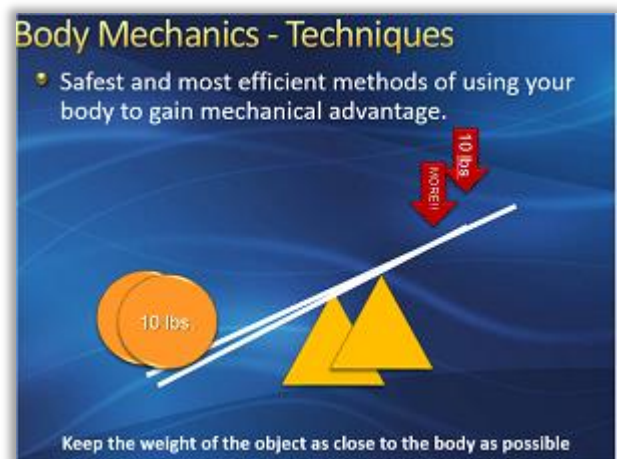


Lifting and Moving Patients (2 Credit Hours)

The Lifting and Moving program is designed to review the anatomy and physiology of the spine, explain body mechanics techniques / principles, provide guidelines for lifting and moving patients, utilization of patient moving equipment and provide and provide principles of back safety.

Course Objectives:

- Explain the anatomy and physiology of the spine and how it relates to back injuries
- Utilize the principles of body mechanics in their everyday practice
- Communicate effectively with their partners during lifting and moving of patients
- Explain proper guidelines for lifting and moving patients
- Discuss various patient moving / extrication equipment and techniques for their use
- Discuss the basic principles of back safety



Massachusetts SWTP Update

The Massachusetts Statewide Treatment Update program is designed to familiarize EMS providers with the latest changes to protocol. As part of your One Stop Hubs lease, your learners will have access to this content as it is available. The content is customized for each level of provider and is available to site users one month after release or sooner.

2020 Statewide Protocol Update – Version 2020.1



2.15A Seizure - Adult

- Magnesium sulfate moved to standing orders – within scope of practice

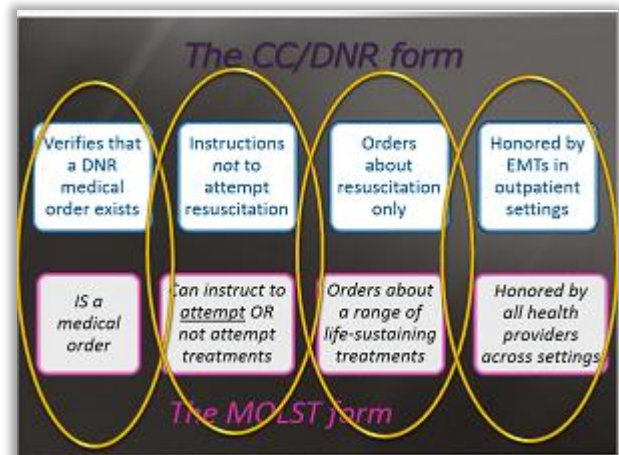
2019	<div><div>PARAMEDIC STANDING ORDERS</div><div>P<ul style="list-style-type: none">• Cardiac Monitor and if feasible 12 lead ECG – Manage dysrhythmias per protocol.• If patient is in Status Epilepticus<ul style="list-style-type: none">• Midazolam 2 - 6 mg slow IV/IO/IMOR<ul style="list-style-type: none">• Midazolam 10 mg IN.</div><div>MEDICAL CONTROL MAY ORDER<ul style="list-style-type: none">• Additional doses of above medications.• Magnesium sulfate 2-4 grams IV/IO over 5 minutes if suspect eclampsia.</div></div>
2020	<div><div>PARAMEDIC STANDING ORDERS</div><div>P<ul style="list-style-type: none">• Cardiac Monitor and if feasible 12 lead ECG – Manage dysrhythmias per protocol.• If patient is in Status Epilepticus<ul style="list-style-type: none">• Midazolam 2 - 6 mg slow IV/IO/IMOR<ul style="list-style-type: none">• Midazolam 10 mg IN.• Magnesium sulfate 2-4 grams IV/IO over 5 minutes if suspect eclampsia.</div></div>

Medical Orders for Life-Sustaining Treatment (1.5 Credit Hours)

The Medical Orders for Life-Sustaining Treatment program is designed to familiarize all levels of providers on the newly introduced MOLST form. The EMS provider is given tools to recognize a valid MOLST form and to make treatment decisions based on this medical order.

Course Objectives:

- Define MOLST
- Recognize the key components of the MOLST form
- Differentiate between MOLST and Comfort Care
- Recognize the components of a valid MOLST form
- Implement the MOLST program in their practice



Obstetrics / Gynecology (3 Credit Hours)

The Obstetrics / Gynecology program is designed to familiarize EMS providers on with the reproductive anatomy and physiology, the process of normal childbirth, pre-delivery emergencies, abnormal birthing presentation, neonatal resuscitation, and common gynecological emergencies.

Course Objectives:

- Identify the structure and function of the female reproductive anatomy
- Identify changes to anatomy / physiology during pregnancy
- Recognize the stages of labor
- Identify and appropriately manage pre-delivery emergencies
- Identify and appropriately manage normal childbirth
- Appropriately assess and manage the neonate
- Identify and appropriately manage abnormal presentations
- Identify and appropriately manage gynecological emergencies

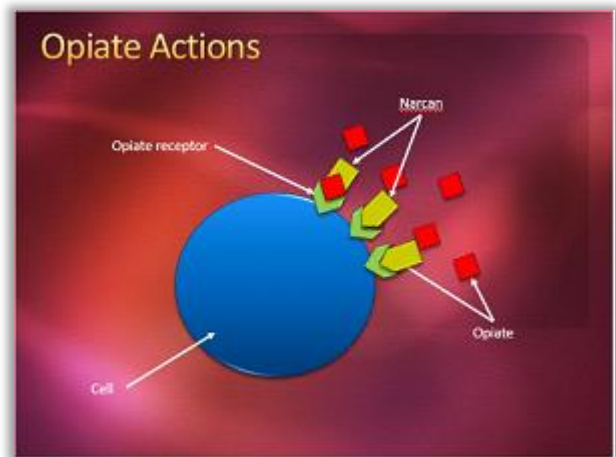
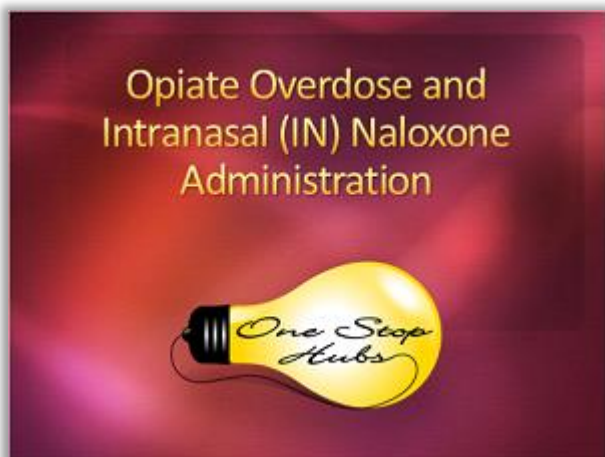


Opiate Overdose and Intranasal Naloxone Administration (1 Credit Hour)

The Intranasal Naloxone program is designed to familiarize BLS providers with the clinical presentation of an opiate overdose, the physiology of opiate agonists and antagonists, the complete drug profile for Naloxone, benefits and disadvantages of the intranasal route and the assessment / treatment of the patient with suspected opiate overdose.

Course Objectives:

- Discuss the history of opiate overdose and its effects on society
- Differentiate opiates vs. opioids
- Explain the mechanism for opiates and opiate antagonists
- Identify specific opiates / opioids
- Identify the patient who is experiencing opiate overdose
- List the scene clues and assessment findings associated with opiate overdose
- Appropriately identify the treatment steps for the opiate overdose patient
- Describe the drug profile for Naloxone
- Discuss the advantages and disadvantages of Intranasal medication administration



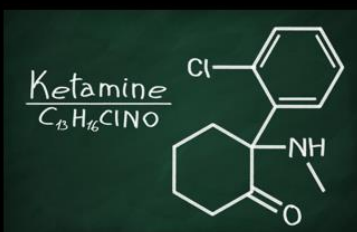
Prehospital Use of Ketamine (0.5 Credit Hours)

The Prehospital Use of Ketamine program is designed to familiarize ALS providers on the appropriate use of ketamine in the prehospital environment. Topics in the program include a review of ketamine's history of use, pharmacology, drug profile, advantages, disadvantages, and relationship to statewide treatment protocol.

Course Objectives:

- Discuss the history of ketamine use
- Explain the pharmacology / mechanism of action for ketamine
- Recite the drug profile for ketamine
- Discuss the recognition and treatment of the emergence phenomena
- Discuss the advantages / disadvantages for ketamine use for the behavioral, pain management and airway management
- Discuss how ketamine plays a role in ACEP Pain Control Considerations
- Explain the appropriate ketamine administration for patients in Massachusetts

Prehospital Use of Ketamine



2.4 Behavioral Emergencies Adult & Pediatric

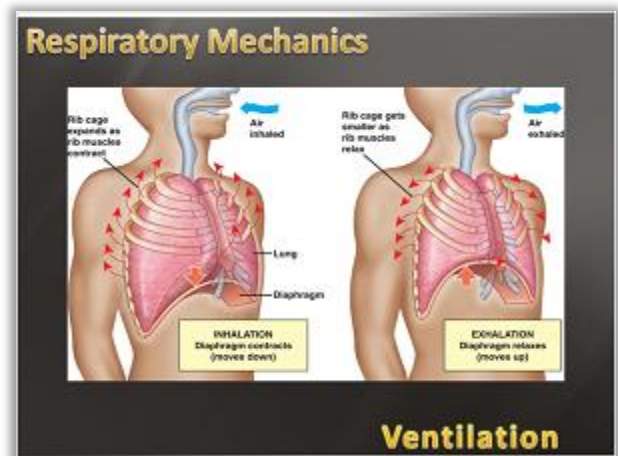
PARAMEDIC STANDING ORDERS	
P	<ul style="list-style-type: none">• Initiate an IV of Normal Saline at a KVO rate.• Apply cardiac monitor if clinically feasible, obtain 12 lead ECG-manage dysrhythmias per protocol.• Position patient to ensure breathing is not impaired.• If providing medication to patients >70 years of age, limit dose.
	ADULT STANDING ORDERS <ul style="list-style-type: none">• Haloperidol 5 mg IM and/or• Lorazepam 2mg IV/IO/IM; or• Midazolam 2-6 mg IV/IO/IM/IN• Ketamine 4mg/kg IM only, to a maximum dose of 400mg IM only, as a single dose.• NOTE: In patients >70 years of age, limit medication to half these doses.

Respiratory Emergencies (3 Credit Hours)

The Respiratory Emergencies program is designed to familiarize EMS providers on the mechanics of respiration, treatment modalities, pathophysiology, assessment and treatment for patients experiencing a respiratory emergency.

Course Objectives:

- Identify the components of normal respiration
- Identify the patient who has abnormal respiration comparing with normal functioning
- Identify the anatomy of the respiratory system
- Utilize common pre-hospital treatment modalities for treating hypoxia
- Perform a respiratory examination
- Identify patients suffering from various respiratory illness

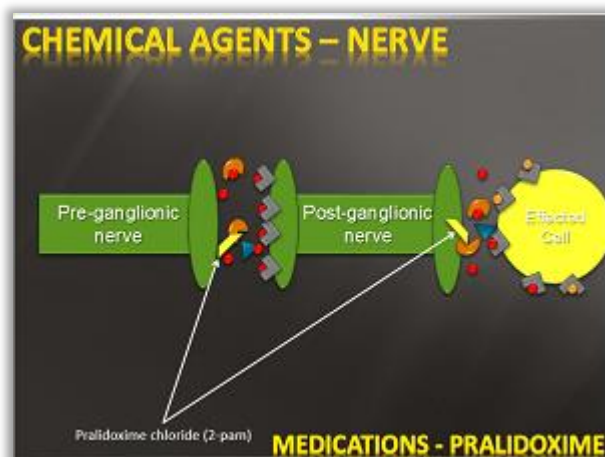


Responding to Terrorist Acts – Chemical Weapons (3 Credit Hours)

The Chemical Weapons program is designed to familiarize EMS providers on the history of chemical warfare, different classifications of chemical agents, the pathophysiology, recognition and treatment of specific agents.

Course Objectives:

- Discuss the history and progression of chemical weapons
- Classify specific agents of concern
- Describe the mechanism of toxicity, recognition and treatment of nerve agents, blistering agents, choking agents, blood / asphyxiant agents, incapacitating agents, and vomiting agents

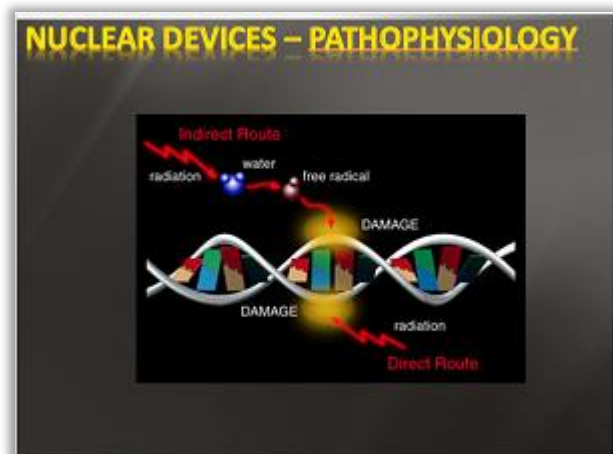


Responding to Terrorist Acts – Explosive / Nuclear (3 Credit Hours)

The Explosive / Nuclear weapons program is designed to familiarize EMS providers on the history of terrorist warfare, the properties of explosive / nuclear devices, the pathophysiology, recognition and treatment of specific devices.

Course Objectives:

- Discuss the history and progression of explosive weapons
- Utilize the phases of the blast to identify possible injury
- Utilize the four categories of injury from a blast to treat patients
- Identify and treat the probable injury patterns from a blast
- Incorporate the concept of secondary devices into the scene size up
- Provide proper pre-hospital treatment to blast injured patients.
- Discuss the concepts of irradiation and nuclear energy release
- Compare energy release from a nuclear device to probable injury
- Discuss the pathophysiology of radiation
- Provide proper pre-hospital treatment to radiation patients.
- Utilize scene safety techniques to prevent exposure to radiation

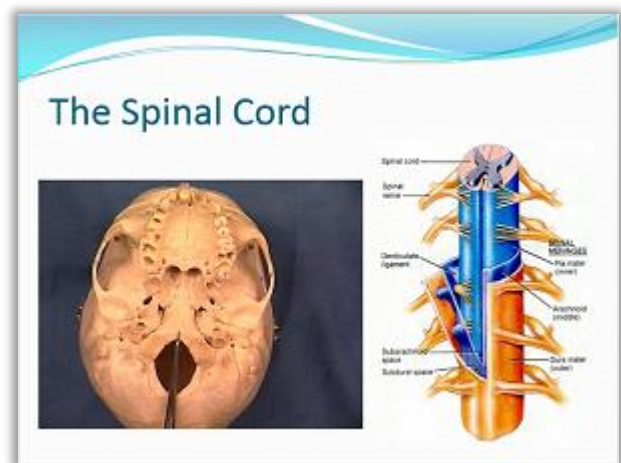


Selective Spinal Immobilization (2 Credit Hours)

The SSI program is designed to familiarize EMS providers on the anatomy and physiology of the spine, assessment of traumatic spinal injury, specific spine disorders, and the use of the Massachusetts Selective Spinal Immobilization Protocol.

Course Objectives:

- Identify the anatomy and physiology of the spinal column / cord
- Perform an appropriate neurological assessment
- Identify various mechanisms of injury
- Differentiate spinal and neurogenic shock
- Utilize the Massachusetts selective spinal immobilization protocol

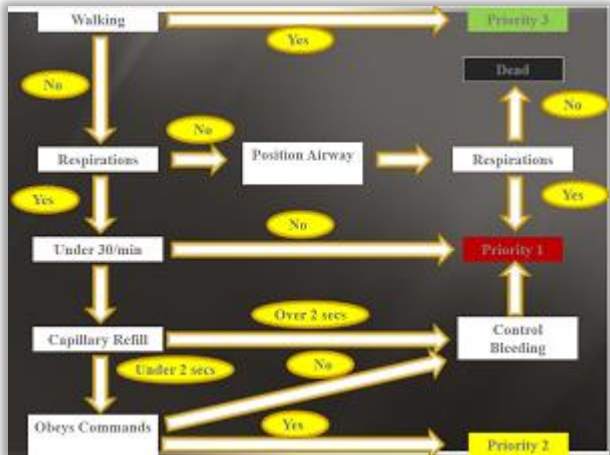


SMART Triage System (1 Credit Hour)

The SMART Triage System program is designed to familiarize all levels of providers on the use of the SMART triage tags which has been adopted as the standard MCI tag in Massachusetts. The program reviews MCI criteria, patient assessment criteria to categorize patients, and the overall process on an MCI scene.

Course Objectives:

- Define MCI and triage
- Assign a priority to patients involved in an MCI
- Utilize the SMART triage tag to indicate patient priority
- Utilize the SMART triage tag to document patient care
- Utilize the SMART triage tag to identify contamination status
- Utilize the SMART triage tag to track patient transportation

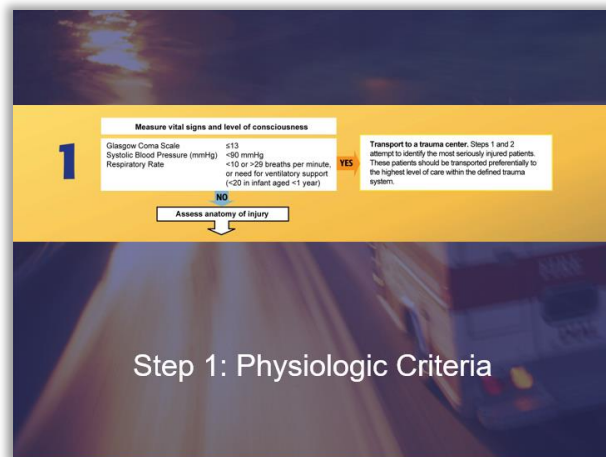
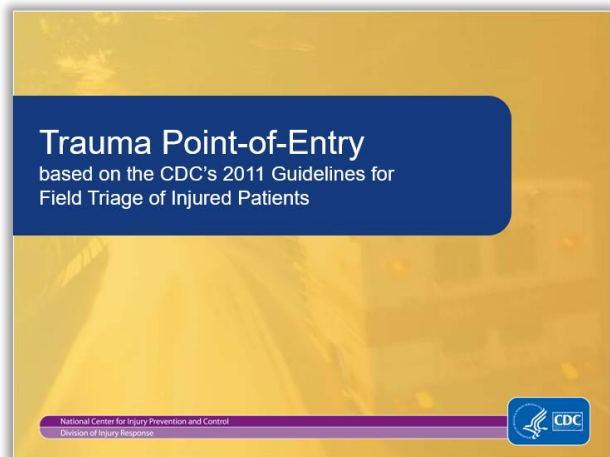


Trauma Point of Entry (1 Credit Hour)

The Trauma Point of Entry plan is designed to present the 2011 Trauma Point of Entry Guidelines. The program includes the CDC Field Triage Decision Scheme, its adopted components and its history of change. Regional Trauma Point of Entry Plans are included in the course material.

Course Objectives:

- Recognize the importance of accurate field triage
- Discuss the history of the American College of Surgeons Field Triage Decision Scheme
- Discuss the changes in the 2006 Field Triage Decision Scheme
- Implement the criteria adopted by Massachusetts



TXA and Norepinephrine Review (1 Credit Hour)

The TXA and Norepinephrine Review program is designed to familiarize ALS providers with the proper use of these medications. The program includes statewide treatment protocol and drug profiles for TXA and Norepinephrine.

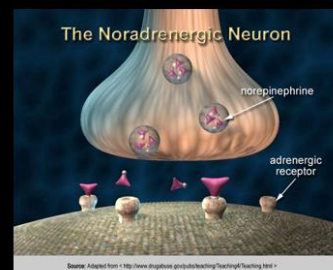
Course Objectives:

- Discuss Hemostasis
- Discuss MA protocol as it relates to TXA and Norepinephrine
- Discuss adrenergic receptors and their physiology
- Explain the drug profiles (name, classification, mechanism of action, indication, contraindications, adverse reactions, and dosing) for:
 - TXA
 - Norepinephrine

TXA and Norepinephrine Review



Vasopressors



Vaccinations for EMS Providers (2.5 Credit Hours)

The vaccinations program presents information on the immune system, types of vaccines, handling, equipment, administration, and patient monitoring. Vaccine preventable diseases and myths / misconceptions are also discussed. COVID-19 vaccination information concludes the program.

Course Objectives:

- Discuss the concept of immunity
- Discuss types of vaccinations and their mechanism
- Describe and demonstrate the vaccine administration process
- Describe the vaccine documentation process
- Discuss vaccine preventable diseases
- Discuss vaccination myths and misconceptions
- Discuss COVID-19 vaccination



VACCINATION

TRAINING FOR EMS PROVIDERS

VACCINATION

- Active immunity produced by vaccine
- Immunity and immunologic memory similar to natural infection but without risk of disease
- Classification of Vaccines
 - Live attenuated (viral or bacterial)
 - Inactivated



Distributive Corporate Compliance Programs



Fire Safety, Prevention and Response

The Fire Safety, Prevention and Response program is designed to familiarize all members of an organization on the characteristics of fire, fire safety techniques, fire prevention, and response to a fire emergency. The program is completed exclusively online by completing a written quiz after viewing an on-line presentation.



Sexual Harassment

The Sexual Harassment program defines sexual harassment, reviews company liability and policy, the consequences of harassment claims, and employee responsibilities. Scenarios are presented to make clear what constitutes sexual harassment.

Sexual Harassment



Scenario #1

Julie no longer wants to date John and has told him so.

John, however, continually behaves as if they are still dating. He phones her for dates. At work he comes up to her and touches Julie in ways that are no longer welcomed by her. John is really making a pest of himself!

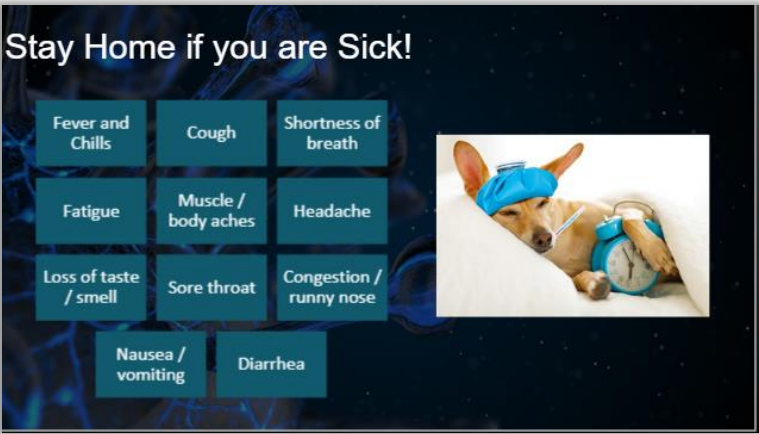
John may be unaware because of their past relationship that what he is doing is really not welcomed by Julie; but he had better catch on soon!

John's conduct is affecting Julie's ability to do her job. John's behavior, because it is sexual in nature and is repeated and not wanted, therefore.....

It is **SEXUAL HARASSMENT**. A "hostile environment"

Workplace Safety – COVID-19

The Workplace Safety – COVID-19 program provides instructions on workplace practices that should be used to prevent the transmission of COVID-19. Topics include staying home if sick, social distancing, wearing a mask, hand hygiene, and cleaning and disinfecting the workplace.



Workplace Violence

The Workplace Violence program (recognition and response) includes the definition, historical perspectives and statistics of workplace violence. Risk factors, types, prevention and response are also addressed. A template for workplace violence policy and procedure development is included with the course.



Competency Based Education Checklists



12-Lead EKG Review Practical (1 Hour)

Purpose: The program is designed to re-familiarize field ALS providers with 12-Lead EKG interpretation, in accordance with OEMS guidelines

Course Objectives:

- Demonstrated an appropriate assessment of the cardiac patient
- Acquired and appropriately read a 12-lead EKG
- Provided appropriate treatment to the patient
- Correlated the 12-lead interpretation to the patient treatment

12-Lead Interpretation				
Student				
Evaluator				
In this station the student will be presented a clinical presentation of cardiac patient who requires the acquisition and interpretation of a 12-Lead EKG. The student will discuss their interpretation process with the examiner and correlate the findings with clinical presentation.				
Skill / Technique		P	F	N/A
EKG 1				
Presented 12 Lead Interpretation:				
Provider provides general impression of the EKG / identifies abnormalities				
Identifies cardiac rhythm (evaluating p wave, QRS complex, t wave, PR interval, QRS interval, ST segment)				
Determines EKG Axis				
Identifies ischemia / infarction present				
Identifies location of ischemia / infarction				
Identifies BBB, Hypertrophy				
Correctly interprets 12- Lead EKG				
Correlates clinical findings to 12-Lead EKG				
EKG 2				
Presented 12 Lead Interpretation:				
Provider provides general impression of the EKG / identifies abnormalities				
Identifies cardiac rhythm (evaluating p wave, QRS complex, t wave, PR interval, QRS interval, ST segment)				
Determines EKG Axis				
Identifies ischemia / infarction present				
Identifies location of ischemia / infarction				
Identifies BBB, Hypertrophy				
Correctly interprets 12- Lead EKG				
Correlates clinical findings to 12-Lead EKG				
Comments / Remediation				

ALS / BLS Interface Practical Session (1 Hour)

Purpose: This program has been developed in response to A/R 2-260. The practical session will be conducted by having an EMT-B and Paramedic provider working together to complete a patient care scenario. Scenario sessions to include Inter-facility transport scenarios, as well as emergent situations.

Course Objectives:

- Recognize their specific role in providing patient care
- Recognize the importance of teamwork in providing patient care
- Perform skills as appropriate to the providers level of care
- Discuss the legal / ethical concerns while providing patient care
- Recognize situations that would require contacting Medical Direction

ALS/BLS Interface Competency		Student Name	
		Student EMT Number	
Facilitator/Paramedic: Acting as the Medic Partner, Please request a IV fluid/drip set combination. As the EMT-Basic partner performs the skill. Please mark the skill steps as complete, or incomplete. If the skill step is marked incomplete, please document the reason in the comments section.			
Skill Station			
IV Therapy: Assembly and Preparation of IV Fluids	Complete	Incomplete	Comments
Receives request for fluid and drip set from Medic Partner.			
Check fluid for type, clarity and expiration date.			
Selects appropriate Drip Set as requested by Medic Partner			
Utilizes aseptic technique for spiking selected fluid.			
Fills drip chamber to appropriate mark			
Insures selected line is free from air.			
Acting as the Paramedic Partner, and working together as a team, please request from your EMT-Basic partner, retrieval of the Monitor/defibrillator, and request demonstration of lead placement for 3 lead monitoring, and 12 lead monitoring.			
Skill Station			
ECG Monitoring	Complete	Incomplete	Comments
Can identify anatomical landmarks for ECG Monitoring			
Demonstrate's placement of ECG for 3 lead monitoring			
Demonstrate's placement of ECG Leads for 12 lead monitoring			
Demonstrates placement of defibrillation pads.			
Demonstrates turning monitor on - basic overview.			
Skill Station			
Airway Management	Complete	Incomplete	Comments
Demonstrates use of Oxygen delivery systems.			
Demonstrates use of the OPA and NPA			
Demonstrates BVM use with the advanced airway placed.			
Acting as the Paramedic Partner, please request the assembly of the nebulizer. Ask the EMT-Basic partner to coach the patient in the use of the device.			
Skill Station			
Nebulizer	Complete	Incomplete	Comments
Assemble Nebulizer			
Connects to Oxygen delivery device			
Verbalizes coaching of patient in use of the device.			
Skill Station			
Blood Glucose Monitoring (If applicable)	Complete	Incomplete	Comments
Demonstrates calibration procedure			
Demonstrates use of Auto Let			
Demonstrates sharps disposal.			
Demonstrates test sequence as it pertains to the device			



Lifting and Moving Patients Practical Session (1.5 Hour)

Purpose: To provide hands-on instruction / evaluation on proper body mechanics, utilizing the stair chair, ambulance stretcher and scoop stretcher.

Course Objectives:

- Utilize the principles of body mechanics in their everyday practice
- Communicate effectively with their partners during lifting and moving of patients
- Demonstrate proper guidelines for lifting and moving patients
- Utilize various patient moving / extrication equipment and techniques for their use
- Demonstrate the basic principles of back safety

Lifting and Moving Competency		Student Name	
		Student EMT Number	
Facilitator: Utilize the following skills sheets to evaluate the competency of lifting / moving techniques			
Skill Station			
Overall Lifting Techniques	Complete	Incomplete	Comments
Assesses / reduces / removes obstacles prior to lifting			
Verifies that patient is secured to the lifting device			
Maintains low center of gravity (not bending at the waist)			
Squats down rather than bends over to lift			
Establishes wide base of support (feet spread apart)			
Uses feet to move (not twisting and bending from waist)			
Appropriately pushes / pulls device			
Never jerks / twists body to move an object			
When stooping, maintains wide base, flexes knees, back straight			
When lifting, squats down, firm hold, stands, leg muscles / back straight			
Keeps weight as close to center of gravity as possible			
When reaching for an object - keeps back straight			
Does not endanger patient or team member			
Skill Station			
Stretcher Operation	Complete	Incomplete	Comments
Performs / verbalized proper securing of patient to the stretcher			
Adjusts head portion as needed (maneuvering)			
Raises and lowers the stretcher using the principles of body mechanics			
Places stretcher in ambulance using the principles of body mechanics			
Secures stretcher in ambulance appropriately			
Demonstrates patient removal from the ambulance			
Skill Station			
Scoop Stretcher Operation	Complete	Incomplete	Comments
Positions scoop alongside the patient			
Measures and adjusts the scoop to proper length			
Scoop stretcher is appropriately inserted			
Head latch applied without patient harm			
Foot latch applied without patient harm			
Patient is appropriately secured to the device			
Scoop is transferred to the stretcher using the principles of body mechanics			
Patient is secured to stretcher			
Skill Station			
Stair Chair Operation	Complete	Incomplete	Comments
Unfolds stairchair and locks into position			
Properly secures the patient			
Able to move the patient carefully up and down stairs with partner			
Performs all skills with proper body mechanics			
Transfers patient to the stretcher and secures			
Folds stairchair and stores properly			

Opiate Overdose and Naloxone Admin Practical Session (1 Hour)

Purpose: This program has been developed to educate the BLS provider on the administration of Intranasal Naloxone in accordance with Statewide Treatment Protocol.

Course Objectives:

- Identify the patient who is experiencing opiate overdose
- List the scene clues and assessment findings associated with opiate overdose
- Appropriately identify the treatment steps for the opiate overdose patient
- Describe the drug profile for Naloxone
- Simulate administration of Naloxone to an opiate patient

Nasal Naloxone Administration		
Student		
Evaluator		
In this station the student will demonstrate the ability to recognize patients who have overdosed on an opiate, clinical presentation, assembly of equipment and the administration of Nasal Naloxone.		
Skill / Technique	P	F
Addresses scene safety and verbalizes possible scene hazards		
Utilizes appropriate Standard Precautions		
Determines the need for additional resources		
Verbalizes the importance of primary assessment and managing airway and breathing		
Identifies at least 3 signs of possible opiate overdose		
Identifies at least 2 at risk patient populations for opiate overdose		
Identifies conditions that may impair the delivery of naloxone to the patient		
Verbalizes the 6 rights of Narcan administration		
Appropriately assembles the MAD device		
Administers the correct dose of medication utilizing proper technique		
Comments / Remediation		

National Distributive Continued Competency Program



Introduction

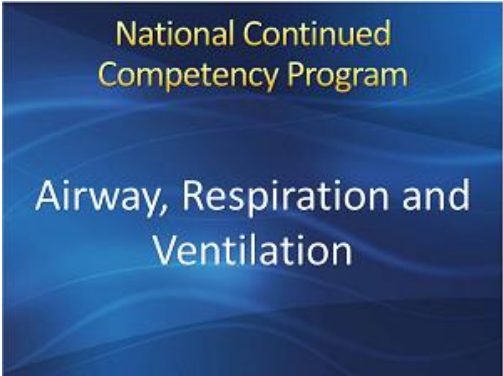
The National Core Competency Program consists of individual content areas that satisfy the national registry of EMTs re-certification requirements. The recertification requirements include didactic instruction and practical skills lab competencies.

All the required topics in the core competency refresher are available in a distributive format to be used on your site. You may select the topics to be presented to your learners on the site. You may also select an assembled selection of distributive courses, which satisfies the distributive allowance for continuing education credits. **(see p. XX for distributive bundles).**

Practical skills lab sessions outlines and skill sheets are available so that you may obtain an OEMS approval number and provide the practical requirement of the national continued competency program.



EMT-B National Core Competency Program

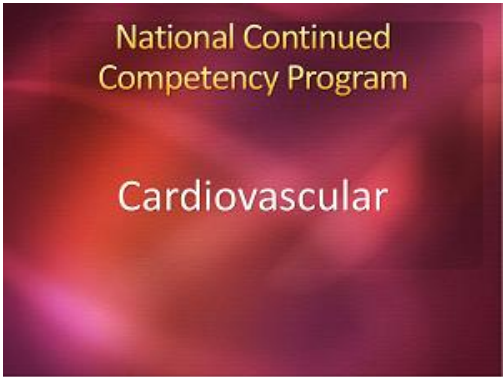


Airway, Respiration, and Ventilation

The EMS Provider Airway, Respiration and Ventilation section covers materials outlined in the National Core Competency Program. This module contains the following content:

Courses / Hours:

Course	Distributive / VILT	Practical
Ventilation	0.5 hour	0.5 hour
Oxygenation	0.25 hour	0.25 hour



Cardiovascular

The EMS Provider Cardiovascular section covers materials outlined in the National Core Competency Program. This module contains the following content:

Courses / Hours:

Course	Distributive / VILT	Practical
Cardiac Arrest	0.25 hour	1.75 hour
Pedi Cardiac Arrest	0.5 hour	1.5 hour
Post Resuscitation	0.5 hour	N/A
Stroke	1.0 hour	N/A
Ventricular Assist Devices	0.5 hour	N/A

National Continued Competency Program

Medical

Medical

The EMS Medical section covers materials outlined in the National Core Competency Program. This module contains the following content:

Courses / Hours:

Course	Distributive / VILT	Practical
Endocrine Emergencies	0.75 hour	0.25 hour
Immunological Emergencies	0.5 hour	0.25 hour
Infectious Disease	0.5 hour	N/A
Neurological Emergencies	0.5 hour	N/A
Obstetrical Emergencies	0.5 hour	N/A
Pain Management	0.5 hour	N/A
Psychiatric / Behavioral Emergencies	0.5 hour	0.25 hour
Special Healthcare Needs	1.5 hour	N/A
Toxicology	0.5 hour	0.25 hour

National Continued Competency Program

Operations

Operations

The EMS Operations section covers materials outlined in the National Core Competency Program. This module contains the following content:

Courses / Hours:

Course	Distributive / VILT	Practical
Ambulance Safety	0.5 hour	N/A
At-Risk Populations	0.5 hour	N/A
Crew Resource Management	1.0 hour	N/A
EMS Culture of Safety	0.5 hour	N/A
EMS Provider Hygiene, Safety and Vaccinations	0.5 hour	N/A
EMS Research	0.5 hour	N/A
Evidence Based Guidelines	0.5 hour	N/A
Field Triage	0.5 hour	0.5 hour
Pediatric Transport	0.5 hour	N/A

National Continued Competency Program

Trauma

Trauma

The Trauma section covers materials outlined in the National Core Competency Program. This module contains the following content:

Courses / Hours:

Course	Distributive / VILT	Practical
CNS Injury	0.5 hour	N/A
Hemorrhage Control	0.5 hour	0.25 hour
Trauma Triage	0.5 hour	N/A

The materials contained in the presentations exceed these minimum requirements. This program can be completed independently for con-ed credits or as part of the National Core Competency Program on your hub site.

The practical component of this program is included in the course materials and must be completed prior to credits being granted.

Upon Completion of the Online Session, the provider can be submitted for continuing education credit.

AEMT National Core Competency Program

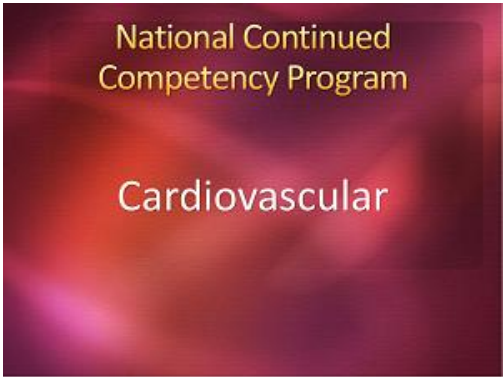


Airway, Respiration, and Ventilation

The EMS Provider Airway, Respiration and Ventilation section covers materials outlined in the National Core Competency Program. This module contains the following content:

Courses / Hours:

Course	Distributive / VILT	Practical
Ventilation	1.0 hour	1.0 hour
Oxygenation	0.25 hour	0.25 hour



Cardiovascular

The EMS Provider Cardiovascular section covers materials outlined in the National Core Competency Program. This module contains the following content:

Courses / Hours:

Course	Distributive / VILT	Practical
Acute Coronary Syndrome	0.75 hour	0.25 hour
Cardiac Arrest	0.25 hour	1.75 hour
Pedi Cardiac Arrest	0.5 hour	1.5 hour
Post Resuscitation	0.5 hour	N/A
Stroke	1.0 hour	N/A
Ventricular Assist Devices	0.5 hour	N/A

National Continued Competency Program

Medical

Medical

The EMS Medical section covers materials outlined in the National Core Competency Program. This module contains the following content:

Courses / Hours:

Course	Distributive / VILT	Practical
Endocrine Emergencies	0.75 hour	0.25 hour
Immunological Emergencies	0.5 hour	N/A
Infectious Disease	0.5 hour	N/A
Medication Delivery	0.5 hour	0.5 hour
Neurological Emergencies	0.5 hour	N/A
Obstetrical Emergencies	0.5 hour	N/A
Pain Management	1.0 hour	N/A
Psychiatric / Behavioral Emergencies	0.75 hour	0.25 hour
Special Healthcare Needs	1.0 hour	N/A
Toxicology	0.5 hour	N/A

National Continued Competency Program

Operations

Operations

The EMS Operations section covers materials outlined in the National Core Competency Program. This module contains the following content:

Courses / Hours:

Course	Distributive / VILT	Practical
Ambulance Safety	0.5 hour	N/A
At-Risk Populations	0.5 hour	N/A
Crew Resource Management	1.0 hour	N/A
EMS Culture of Safety	0.5 hour	N/A
EMS Provider Hygiene, Safety and Vaccinations	0.5 hour	N/A
EMS Research	0.5 hour	N/A
Evidence Based Guidelines	0.5 hour	N/A
Field Triage	0.5 hour	0.5 hour
Pediatric Transport	0.5 hour	N/A

National Continued
Competency Program

Trauma

Trauma

The Trauma section covers materials outlined in the National Core Competency Program. This module contains the following content:

Courses / Hours:

Course	Distributive / VILT	Practical
CNS Injury	1.0 hour	N/A
Fluid Resuscitation	0.5 hour	N/A
Hemorrhage Control	0.5 hour	0.25 hour
Trauma Triage	1.0 hour	N/A

The materials contained in the presentations exceed these minimum requirements. This program can be completed independently for con-ed credits or as part of the National Core Competency Program on your hub site.

The practical component of this program is included in the course materials and must be completed prior to credits being granted.

Upon Completion of the Online Session, the provider can be submitted for continuing education credit.

Paramedic National Core Competency Program

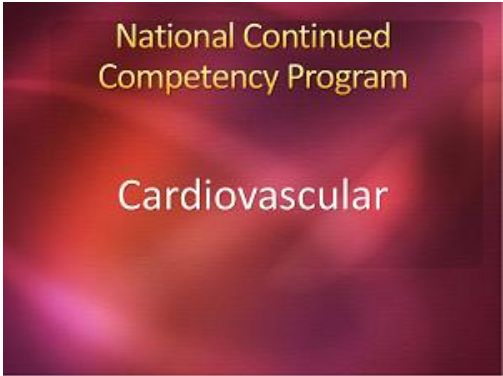


Airway, Respiration, and Ventilation

The EMS Provider Airway, Respiration and Ventilation section covers materials outlined in the National Core Competency Program. This module contains the following content:

Courses / Hours:

Course	Distributive / VILT	Practical
Capnography	0.5 hour	0.5 hour
Ventilation	1.0 hour	1.0 hour
Oxygenation	0.5 hour	N/A



Cardiovascular

The EMS Provider Cardiovascular section covers materials outlined in the National Core Competency Program. This module contains the following content:

Courses / Hours:

Course	Distributive / VILT	Practical
Acute Coronary Syndrome	0.75 hour	0.25 hour
Cardiac Arrest	0.5 hour	1.5 hour
Congestive Heart Failure	0.5 hour	N/A
Pedi Cardiac Arrest	1.0 hour	1.5 hour
Post Resuscitation	0.5 hour	N/A
Stroke	1.5 hour	N/A
Ventricular Assist Devices	0.5 hour	N/A

National Continued Competency Program

Medical

Medical

The EMS Medical section covers materials outlined in the National Core Competency Program. This module contains the following content:

Courses / Hours:

Course	Distributive / VILT	Practical
Endocrine Emergencies	0.75 hour	0.25 hour
Immunological Emergencies	0.5 hour	N/A
Infectious Disease	0.5 hour	N/A
Medication Delivery	0.5 hour	0.5 hour
Neurological Emergencies	0.5 hour	N/A
Obstetrical Emergencies	0.5 hour	N/A
Pain Management	1.0 hour	N/A
Psychiatric / Behavioral Emergencies	0.75 hour	0.25 hour
Special Healthcare Needs	2.0 hour	N/A
Toxicology	0.5 hour	N/A

National Continued Competency Program

Operations

Operations

The EMS Operations section covers materials outlined in the National Core Competency Program. This module contains the following content:

Courses / Hours:

Course	Distributive / VILT	Practical
Ambulance Safety	0.5 hour	N/A
At-Risk Populations	1.0 hour	N/A
Crew Resource Management	1.0 hour	N/A
EMS Culture of Safety	0.5 hour	N/A
EMS Provider Hygiene, Safety and Vaccinations	0.5 hour	N/A
EMS Research	1.0 hour	N/A
Evidence Based Guidelines	0.5 hour	N/A
Field Triage	0.5 hour	0.5 hour
Pediatric Transport	0.5 hour	N/A

National Continued Competency Program

Trauma

Trauma

The Trauma section covers materials outlined in the National Core Competency Program. This module contains the following content:

Courses / Hours:

Course	Distributive / VILT	Practical
CNS Injury	1.0 hour	N/A
Fluid Resuscitation	0.5 hour	N/A
Hemorrhage Control	0.5 hour	0.25 hour
Trauma Triage	1.0 hour	N/A

The materials contained in the presentations exceed these minimum requirements. This program can be completed independently for con-ed credits or as part of the National Core Competency Program on your hub site.

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Distributive Bundles

The following are the available pre-assembled National Continued Competency distributive courses:

EMT- B (7 hours)

- Infectious Disease (0.5 hours)
- Neurological Emergencies (0.5 hours)
- Obstetrical Emergencies (0.5 hours)
- Special Healthcare Populations (1.5 hours)
- Immunological Emergencies (0.5 hours)
- At-Risk Populations (0.5 hours)
- Crew Resource Management (1 hour)
- EMS Culture of Safety (0.5 hours)
- Provider Hygiene, Safety and Vaccinations (0.5 hours)
- EMS Research (0.5 hours)
- Pediatric Transport (0.5 hours)

AEMT (8 Hours)

- Central Nervous System Injury (1 hour)
- Infectious Disease (0.5 hours)
- Neurological Emergencies (0.5 hours)
- Obstetrical Emergencies (0.5 hours)
- Pain Management (1 hour)
- Special Healthcare Populations (1 hour)
- At-Risk Populations (0.5 hours)
- Crew Resource Management (1 hour)
- EMS Culture of Safety (0.5 hours)
- Provider Hygiene, Safety and Vaccinations (0.5 hours)
- EMS Research (0.5 hours)
- Pediatric Transport (0.5 hours)

Paramedic (10 Hours)

Post Resuscitation Care (0.5 hours)
Ventricular Assist Device (0.5 hours)
Infectious Disease (0.5 hours)
Neurological Emergencies (0.5 hours)
Obstetrical Emergencies (0.5 hours)
Pain Management (1 hour)
Special Healthcare Populations (2 hours)
At Risk Populations (1 hour)
Crew Resource Management (1 hour)
EMS Culture of Safety (0.5 hours)
Provider Hygiene, Safety and Vaccinations (0.5 hours)
EMS Research (1 hour)
Pediatric Transport (0.5 hours)



Emergency Medical Responder



Preparatory

The Emergency Medical Responder program complies with the national standard curriculum. The program is presented in 6 sections.



- EMS systems
 - Authorities
 - Accessing the System
 - Education
 - Authorization to Practice
 - Roles and Responsibilities
 - Quality Improvement
- Research



- Workplace Safety and Wellness
 - Hand Washing
 - Standard Precautions
 - Personal Protective Equipment
 - Workplace Practice Control
 - Emotional Response / Stress
 - Injury Prevention
 - Lifting and Moving Patients



- Documentation
 - EMS System Communication
 - Medical Legal Principles
 - Ethics



Emergency Medical Responder



Anatomy / Physiology / Terminology

Anatomy and Physiology
Medical Terminology
Pathophysiology



Airway Management, Respiration, Ventilation, Assessment

Respiratory anatomy and physiology review

Airway management

Airway assessment

Airway interventions

Head-tilt-chin-lift maneuver

Jaw-thrust maneuver

Finger sweep

Suctioning

Recovery position

Oropharyngeal airway insertion

Nasopharyngeal airway insertion

Emergency Medical Responder



Airway

Emergency Medical Responder



Respiration and Artificial Ventilation

Emergency Medical Responder



Patient Assessment

Breathing Assessment

Breathing Interventions

Foreign Body Airway Obstruction

Oxygen Administration

Pulse Oximetry

Special Considerations

Assessment Overview

Scene Size Up

Primary Assessment

History Taking

Secondary Assessment

Reassessment





Vital Signs

Respirations

Pulse rate, rhythm, and quality

Skin color, temperature, and condition

Pupillary Response

Blood pressure

Pulse oximetry



Medicine

Emergency Medical Responder



Medicine – Part 1

Medical Emergencies Overview
Neurological Emergencies – (AMS /
Seizures / Stroke)
Endocrine Emergencies / Diabetes
Abdominal Pain
Kidney Dialysis

Emergency Medical Responder



Medical Emergencies 2

Heart conditions
Respiratory conditions
Allergic reactions
Infectious diseases

Emergency Medical Responder



Medical Emergencies 3

Psychiatric / Behavioral Emergencies

Emergency Medical Responder



Medical Emergencies 4

Poisoning
Substance Abuse



Trauma

Emergency Medical Responder



Shock, Bleeding, Soft Tissue Injury

Assessment for the trauma patient
Recognition and treatment of Shock
Bleeding
 Internal and External
Wounds
 Open and closed
 Principles of treatment

Emergency Medical Responder



Specific Soft Tissue, Burns, Multisystem Trauma, M/S Injuries

Specific Soft Tissue Wound Treatment
Burns
Multi-system Trauma
Musculoskeletal Injury

Emergency Medical Responder



Head and Spine / Environmental Emergencies

Head Injuries
Spine Injuries
Environmental Emergencies
 Exposure to Heat
 Exposure to Cold
 Drowning and Submersion
 Lightning Injuries



Special Patient Populations

Emergency Medical Responder



Obstetrics and Newborn Care

Anatomy and Physiology of Pregnancy
Assessing the Birthing Situation
Preparing for Delivery
Assisting with Delivery
Complications of Pregnancy and Birth

Emergency Medical Responder



Pediatrics

Life Span Development
Anatomical differences
Assessment
Respiratory Care
Medical Conditions
Trauma

Emergency Medical Responder



Geriatrics / Special Populations

Life Span Development
Geriatrics
 Medical Considerations
 Mental Health
 End of Life
 Abuse
Special / At-risk populations
 Speech impairments
 Developmental Disabilities
 Downs Syndrome
 Cerebral Palsy
 Partner Abuse



EMS Operations

Emergency Medical Responder



Transport Operations / Air Medical / HazMat

Patient Care Operations
Preparing for a call
Phases of a call
Helicopter operations
Hazardous Materials scenes

Emergency Medical Responder



Mass Casualty Incidents / Terrorism

Mass Casualty Incidents
START Triage
Working the Scene
National Incident Management System
Terrorism
Weapons of Mass Destruction
Terrorism response

Emergency Medical Responder



Vehicle Extrication and Special Rescue

Patient extrication
Scene size up
Stabilization / hazards
Gaining patient access
Initial emergency care
Patient disentanglement
Preparation for patient removal
Patient removal
Rescue scenarios
Water rescue
Ice rescue
Confined space rescue

