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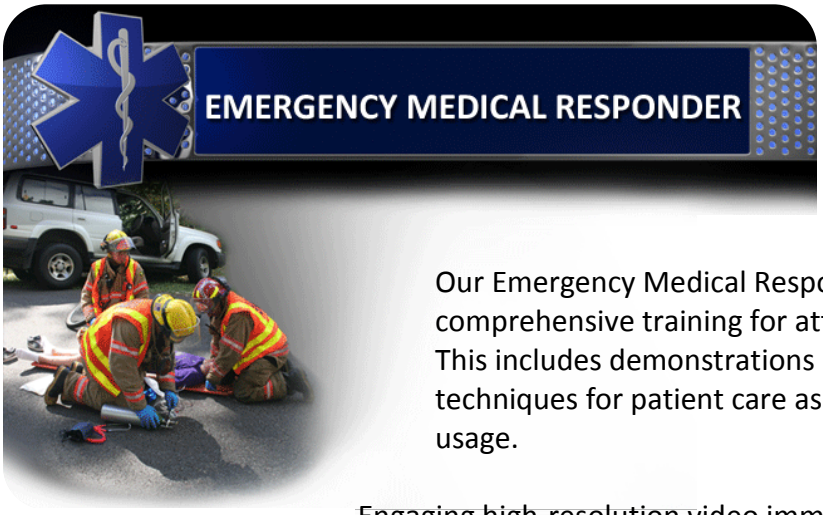

Course Delivery Formats:
1. Online Interactive Course
2. Online Streamed Video
3. DVD

Our Emergency Medical Responder (EMR) series provides comprehensive training for attaining skills-based competency. This includes demonstrations of assessment and management techniques for patient care as well as proper equipment usage.

Engaging high-resolution video immerses the adult-learner in the demonstration of skills and patient care activities which are performed by professional responders. Each training objective is clearly defined and illustrated. Realistic simulations of medical conditions and trauma-related injuries are featured in all programs.

Teaches To:
The National EMS Education Standards (NEMSES) established by the U.S. Department of Transportation.

Additional materials that match this series:
Instructor's PowerPoint® - 25 separate presentations incorporating screen captures and bullet points from the Action Training Systems series. These can be customized with organization specific operating procedures.



Brady's Book - *Emergency Medical Responder: First On Scene*, 10th edition, makes an excellent teaching companion to this series.

Combining the Action Training Systems series with the custom Brady/Pearson EMR manual and ATS PowerPoint presentations gives instructors a potent training arsenal for initial certification or continuing education.

CECBEMS

Continuing Education (CE) credits are available for on-line EMS courses. Action Training Systems is an organization accredited by the Continuing Education Coordinating Board for Emergency Medical Services (CECBEMS).

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PowerPoint titles match course titles listed below.

1. Scene Safety & Management Video time – 17:25 #PPT Slides - 73

Presents factors for evaluating scene safety, including size-up and common scene hazards. Describes scene management factors, focusing on assessing the impact of environment on patient care and patient protection. Presents protocols for safe response to vehicle collisions with an emphasis on injury prevention.

Training Objectives:

1. To present factors for the evaluation of scene safety
2. To demonstrate scene management
3. To present considerations for safely responding to vehicle collisions

2. Workforce Safety Video time – 24:00 #PPT Slides - 90

Describes pathogenic risk, including how infectious diseases are spread. Demonstrates standard precautions, including when and how they should be used and addresses what procedures to follow if an exposure occurs. Explains body mechanics and demonstrates emergency moves, including how to move and position patients.

Training Objectives:

1. To describe risks associated with pathogens
2. To demonstrate the proper use of standard precautions
3. To present what to do if an exposure occurs
4. To describe principles of moving patients
5. To demonstrate moving and positioning patients

3. Primary Patient Assessment Video time – 17:30 #PPT Slides - 61

Demonstrates primary patient assessment stages, including establishing patient consciousness and response. Demonstrates techniques for assessing and managing airway and breathing status for responsive and unresponsive patients. Demonstrates techniques for assessing and managing circulatory status. Presents the steps for history-taking, including determining the mechanism of injury, the nature of illness and associated signs and symptoms.

Training Objectives:

1. To present the primary assessment
2. To demonstrate assessment of airway and breathing status
3. To show how to assess circulatory status
4. To present history-taking

4. Secondary Patient Assessment Video time – 19:49 #PPT Slides - 77

Presents the areas of focus for conducting a secondary assessment. Demonstrates the steps for performing a physical examination as part of a secondary assessment. Demonstrates assessment of vital signs and the steps for conducting a reassessment, including how and when to reassess.

Training Objectives:

1. To present the procedures for performing a physical examination
2. To demonstrate assessment of vital signs
3. To present the steps for performing reassessment

5. Airway Management Video time – 14:06 #PPT Slides - 56

Presents important factors in respiratory effort. Describes assessing signs of adequate and inadequate airways and the common causes of airway obstructions. Demonstrates techniques for assuring a patent airway, including through the use of manual airway maneuvers, mechanical airway devices and relief of foreign body obstructions. Describes the factors and procedures for clearing an airway.

Training Objectives:

1. To demonstrate assessment of adequate and inadequate airways
2. To demonstrate methods of assuring a patent airway
3. To present how to clear an airway

6. Artificial Ventilation Video time – 16:33 #PPT Slides - 66

Presents assessment techniques for adequate and inadequate ventilation. Demonstrates supplemental oxygen therapy equipment and procedures for patients with inadequate ventilation. Describes normal ventilation and positive pressure ventilation processes.

Training Objectives:

1. To present assessment of adequate and inadequate ventilation
2. To present portable oxygen tanks
3. To demonstrate supplemental oxygen therapy

7. Respiratory Compromise Video time – 14:50 #PPT Slides - 63

Presents the causes of respiratory compromise, including impaired airway, impaired ventilation and impaired respiration. Describes abnormal adult breathing and its symptoms. Demonstrates techniques for assessing adequate and inadequate respiration and demonstrates techniques for managing respiratory distress and respiratory failure.

Training Objectives:

1. To present respiratory compromise
2. To describe abnormal adult breathing
3. To demonstrate assessment and management of respiratory distress and respiratory failure

8. Bleeding Video time – 15:00 #PPT Slides - 60

Presents general considerations in bleeding emergencies, including the effects of shock. Describes the types of external bleeding, including arterial, venous and capillary and how to recognize and manage them. Describes internal bleeding and its causes, signs and symptoms and demonstrates management practices for patients with internal bleeding.

Training Objectives:

1. To describe the types of and care for external bleeding
2. To describe the causes and management of internal bleeding

9. Shock Video time – 17:22 #PPT Slides - 68

Presents the causes, signs and symptoms of shock and demonstrates the management techniques for treating patients experiencing shock. Describes anaphylactic shock, its causes, assessment findings and treatment.

Training Objectives:

1. To present the causes of shock
2. To describe the signs and symptoms of shock
3. To demonstrate management of shock
4. To present and demonstrate care for anaphylactic shock

10. Cardiovascular Video time – 15:20 #PPT Slides - 55

Describes symptoms of and demonstrates care for cardiac compromise. Describes causes, assessment and management for angina pectoris. Presents heart attack and the symptoms and causes of congestive heart failure.

Training Objectives:

1. To describe symptoms and demonstrate care for cardiac compromise
2. To demonstrate assessment and management for angina pectoris
3. To present heart attack
4. To present the causes and symptoms of congestive heart failure

11. Resuscitation Video time – 14:43 #PPT Slides - 57

Presents considerations for resuscitation, including airway control and ventilation. Demonstrates chest compressions for one and two rescuers, based on current CPR guidelines as determined by **the AHA and ILCOR.** Presents automatic external defibrillation procedures for adults.

Training Objectives:

1. To demonstrate cardiopulmonary resuscitation
2. To demonstrate automatic external defibrillation

12. Behavioral Emergencies Video time – 16:17 #PPT Slides - 64

Presents factors for assessing patients in behavioral emergencies, including suicide risk and substance abuse. Describes the kinds of behavior changes that can pose a danger, including their causes. Presents methods to calm and provide care to behavioral emergency patients.

Training Objectives:

1. To describe behavioral emergencies and their causes
2. To demonstrate assessment techniques for behavioral emergencies
3. To present assessment of suicide risks
4. To demonstrate assessment of and care for substance abuse patients
5. To demonstrate calming methods and care for behavioral emergencies

13. Neurological Emergencies Video time – 19:14 #PPT Slides - 69

Describes the common causes of altered mental status, seizures and strokes. Presents assessment findings and demonstrates emergency medical care considerations in cases of seizure patients and stroke patients.

Training Objectives:

1. To describe common causes of altered mental status
2. To present causes, assessment and care for seizures
3. To present causes, assessment and care for strokes

14. Head & Spine Injuries Video time – 15:41 #PPT Slides - 67

Presents assessment and management factors for acutely injured patients suffering from open and closed head including concussion and contusions. Describes common causes, signs and symptoms for spine injuries and demonstrates assessment and management techniques for patients suffering from spine injuries.

Training Objectives:

1. To present the causes, symptoms and management of head injuries
2. To present the causes, symptoms and management of spine injuries

15. Blood Sugar & Dialysis Emergencies Video time – 17:45# PPT Slides - 55

Describes common endocrine disorders, including high blood glucose, low blood glucose and diabetes. Presents the signs and symptoms of blood glucose emergencies as well as hemodialysis emergencies and demonstrates techniques for managing them.

Training Objectives:

1. To demonstrate assessment and management for high blood glucose
2. To demonstrate assessment and management for low blood glucose
3. To demonstrate assessment and management for hemodialysis emergencies

16. Infectious Diseases & Toxicology Video time – 19:25 #PPT Slides - 81

Presents infectious disease awareness, including explaining transmission routes. Discusses carbon monoxide poisoning and the role of the National Poison Control Center. Presents poisoning by nerve agents, including describing exposure routes, assessment findings and management considerations. Presents nerve agent antidote autoinjector kits, including when to give treatment.

Training Objectives:

1. To describe exposure to infectious diseases
2. To describe poisoning
3. To present assessment and care for carbon monoxide poisoning
4. To present assessment and care for nerve agent poisoning

17. Cold, Heat & Submersion Video time – 21:23 #PPT Slides - 70

Presents the factors contributing to cold emergencies, heat emergencies and submersion. Describes the signs and symptoms of hypothermia, localized cold emergencies, heat emergencies and submersion and demonstrates management techniques for each.

Training Objectives:

1. To present and demonstrate emergency care for hypothermia
2. To present and demonstrate emergency care for frostbite
3. To describe hyperthermia
4. To present and demonstrate emergency care for heat emergencies
5. To present and demonstrate care for submersion emergencies

18. Obstetrics & Neonatal Care Video time - 24:33 #PPT Slides - 96

Discusses bleeding in and management for pregnant patients. Presents assessment factors for pregnant patients, including the signs of labor and the stages of labor and delivery. Describes how to prepare for and assist with delivery. Presents how to care for the mother and baby and factors for assisting pregnant trauma patients.

Training Objectives:

1. To describe assessment and care for obstetrical bleeding
2. To present assessment and stages of labor
3. To present how to prepare for birth
4. To present how to assist with the delivery process
5. To demonstrate care for the mother and baby
6. To present factors for assisting pregnant trauma patients

19. Pediatrics Video time – 21:07 #PPT Slides - 91

Demonstrates patient assessment and physical examination techniques for pediatric emergencies. Presents assessment and management factors and demonstrates management techniques for pediatric respiratory emergencies. Presents the causes of, assessment factors for and demonstration of management techniques for seizures in pediatric patients. Describes assessment and care for pediatric trauma patients.

Training Objectives:

1. To demonstrate pediatric patient assessment techniques
2. To present pediatric respiratory emergencies
3. To present pediatric seizure emergencies
4. To describe considerations for pediatric trauma patients

20. Geriatrics Video time – 16:13 #PPT Slides - 62

Presents common age-associated changes in older patients and assessment and physical examination factors for geriatric emergencies. Presents assessment and management considerations for geriatric trauma patients.

Training Objectives:

1. To present age-associated changes in geriatric patients
2. To demonstrate assessment and care techniques for geriatric emergencies
3. To demonstrate assessment and care techniques for geriatric trauma patients

21. Trauma Patient Assessment Video time – 18:00 #PPT Slides - 72

Describes common mechanisms of injury in adults and children and demonstrates assessment of trauma patients with and without significant mechanisms of injury. Describes the National Triage Trauma Protocol guidelines for categorizing trauma patients.

Training Objectives:

1. To describe mechanisms of injury in adults and children
2. To demonstrate how to assess a trauma patient
3. To present guidelines for categorizing trauma patients

22. Abdominal Trauma Video time – 15:50 #PPT Slides - 56

Presents assessment techniques for and symptoms of abdominal and gastrointestinal disorders. Demonstrates management practices for patients with abdominal pain. Presents specific acute abdominal conditions, including abdominal bleeding and its common causes, assessment factors and symptoms. Demonstrates emergency response procedures for abdominal trauma, including eviscerations and impaled objects.

Training Objectives:

1. To present the signs and symptoms of and care for acute abdomen
2. To present the causes of and management for gastrointestinal bleeding
3. To demonstrate care for abdominal injuries

23. Chest & Multi-System Trauma Video time – 13:41 #PPT Slides - 50

Describes the symptoms and management of sucking chest wounds. Demonstrates emergency management requirements for impaled objects in the chest. Presents factors to consider in cases of multi-system trauma.

Training Objectives:

1. To demonstrate assessment and management of sucking chest wounds
2. To demonstrate the management of impaled objects in the chest
3. To present assessment and management of multi-system trauma

24. Soft Tissue Trauma Video time – 20:08 #PPT Slides - 79

Demonstrates the kinds of dressings and bandages and how to apply them. Describes soft tissue trauma, including abrasions and lacerations. Describes penetrating injuries, including impaled objects. Presents the causes, signs, symptoms and treatment for foreign bodies in the eye. Describes severity and depth of burns and burn management, including calculating the extent of burns, the kinds of burns and how to provide emergency treatment for burns.

Training Objectives:

1. To present dressings and bandages
2. To describe and demonstrate care for abrasions and lacerations
3. To describe and demonstrate care for penetrating injuries, including impaled objects
4. To present care for a foreign body in the eye
5. To describe the classification, common causes and management of burn injuries

25. Orthopedic Trauma Video time – 18:47 #PPT Slides - 64

Describes common bone injuries and their causes. Presents the signs and symptoms for fractures and dislocations and demonstrates emergency medical care procedures for bone injuries.

Training Objectives:

1. To describe types and causes of bone injuries
2. To present signs and symptoms for fractures and dislocations
3. To demonstrate care for bone injuries
4. To demonstrate manual extremity stabilization

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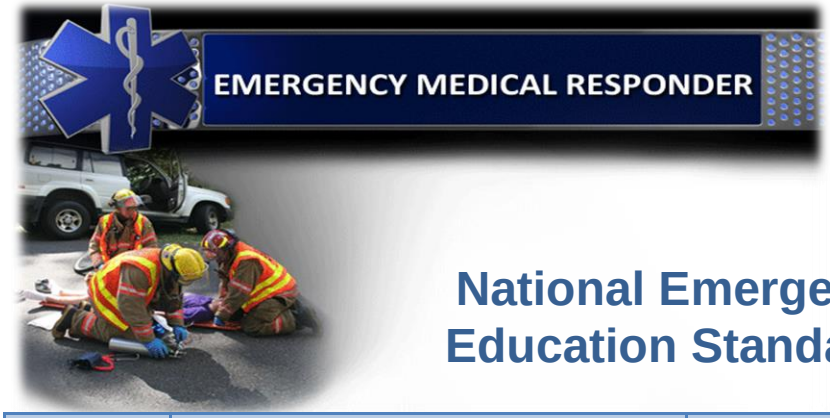
Innovative Training Systems for Emergency Responders



National Highway Traffic Safety Administration NEMSES

National Emergency Medical Services Education Standards (NEMSES) Matrix

VOL#	Emergency Medical Responder Title	Teaches to NEMSES
001	Scene Safety & Management	(Preparatory) Workforce Safety and Wellness, Medical/Legal and Ethics; (Patient Assessment) Scene Size-up
002	Workforce Safety	(Preparatory) Workforce Safety and Wellness; (Patient Assessment) Scene Size-up
003	Primary Patient Assessment	(Patient Assessment) Primary Assessment, History-Taking
004	Secondary Patient Assessment	(Patient Assessment) Secondary Assessment, Reassessment
005	Airway Management	(Airway Management, Respiration and Artificial Ventilation) Airway Management, Respiration
006	Artificial Ventilation	(Airway Management, Respiration and Artificial Ventilation) Artificial Ventilation
007	Respiratory Compromise	Pathophysiology; (Medicine) Respiratory; (Airway Management, Respiration and Artificial Ventilation) Respiration, Artificial Ventilation
008	Bleeding	(Trauma) Bleeding
009	Shock	Shock and Resuscitation; (Patient Assessment) Primary Assessment; (Medicine) Immunology
010	Cardiovascular	(Medicine) Cardiovascular
011	Resuscitation	Shock and Resuscitation (Medicine) Cardiovascular
012	Behavioral Emergencies	(Medicine) Psychiatric
013	Neurological Emergencies	(Medicine) Neurology
014	Head & Spine Injuries	(Trauma) Head, Facial, Neck and Spine Trauma
015	Blood Sugar & Dialysis Emergencies	(Medicine) Endocrine Disorders, Genitourinary/Renal
016	Infectious Diseases & Toxicology	(Preparatory) Workforce Safety and Wellness; (Medicine) Infectious Diseases, Toxicology
017	Cold, Heat & Submersion	(Trauma) Environmental Emergencies

VOL#	Emergency Medical Responder Title	Teaches to NEMSES
018	Obstetrics & Neonatal Care	(Medicine) Gynecology; (Special Patient Populations) Obstetrics, Neonatal Care; (Trauma) Special Considerations in Trauma
019	Pediatrics	(Special Patient Populations) Pediatrics, Patients With Special Challenges; (Preparatory) Medical/Legal and Ethics; (Trauma) Special Considerations in Trauma; Anatomy and Physiology
020	Geriatrics	(Special Patient Populations) Geriatrics, Patients With Special Challenges; (Preparatory) Medical/Legal and Ethics; (Trauma) Special Considerations in Trauma
021	Trauma Patient Assessment	(Trauma) Trauma Overview; (Patient Assessment) History-Taking
022	Abdominal Trauma	(Medicine) Abdominal and Gastrointestinal Disorders; (Trauma) Abdominal and Genitourinary Trauma
023	Chest & Multi-System Trauma	(Trauma) Chest Trauma, Multi-System Trauma
024	Soft Tissue Trauma	(Trauma) Soft Tissue Trauma
025	Orthopedic Trauma	(Trauma) Orthopedic Trauma