

Emergency Medical Responder

Demonstrating Personal Qualities and Abilities EMR.1

- 1 Demonstrate creativity and innovation. EMR1.1
- 2 Demonstrate critical thinking and problem solving. EMR1.2
- 3 Demonstrate initiative and self-direction. EMR1.3
- 4 Demonstrate integrity. EMR.1.4
- 5 Demonstrate work ethic. EMR.1.5

Demonstrating Interpersonal Skills EMR.2

- 1 Demonstrate conflict-resolution skills. EMR.2.1
- 2 Demonstrate listening and speaking skills. EMR.2.2
- 3 Demonstrate respect for diversity. EMR.2.3
- 4 Demonstrate customer service skills. EMR.2.4
- 5 Collaborate with team members. EMR.2.5

Demonstrating Professional Competencies EMR.3

- 1 Demonstrate big-picture thinking. EMR.3.1
- 2 Demonstrate career- and life-management skills. EMR.3.2
- 3 Demonstrate continuous learning and adaptability. EMR.3.3
- 4 Manage time and resources. EMR.3.4
- 5 Demonstrate information-literacy skills. EMR.3.5
- 6 Demonstrate an understanding of information security. EMR.3.6
- 7 Maintain working knowledge of current information-technology (IT) systems. EMR.3.7
- 8 Demonstrate proficiency with technologies, tools, and machines common to a specific occupation. EMR.3.8
- 9 Apply mathematical skills to job-specific tasks. EMR.3.9

10 Demonstrate professionalism. EMR.3.10

11 Demonstrate reading and writing skills. EMR.3.11

12 Demonstrate workplace safety. EMR3.12

**Examining All Aspects of
an Industry** EMR.4

1 Examine aspects of planning within an industry/organization. EMR.4.1

2 Examine aspects of management within an industry/organization. EMR.4.2

**3 Examine aspects of financial responsibility within an
industry/organization.** EMR.4.3

**4 Examine technical and production skills required of workers within an
industry/organization.** EMR.4.4

5 Examine principles of technology that underlie an industry/organization. EMR4.5

6 Examine labor issues related to an industry/organization. EMR.4.6

7 Examine community issues related to an industry/organization. EMR.4.7

**8 Examine health, safety, and environmental issues related to an
industry/organization.** EMR.4.8

**Addressing Elements of
Student Life** EMR.5

1 Identify the purposes and goals of the student organization. EMR.5.1

**3 Demonstrate leadership skills through participation in student organization
activities, such as meetings, programs, and projects.** EMR.5.3

**2 Explain the benefits and responsibilities of membership in the student
organization as a student and in professional/civic organizations as an
adult.** EMR.5.2

**4 Identify Internet safety issues and procedures for complying with acceptable use
standards.** EMR.5.4

**Exploring Work-Based
Learning** EMR.6

1 Identify the types of work-based learning (WBL) opportunities. EMR.6.1

2 Explore career opportunities related to the WBL experience. EMR.6.2

**Introducing Emergency
Medical Responder
(EMR)** EMR.7

1 Outline mandatory course requirements and paperwork. EMR.7.1

**2 Complete a state-approved certification for cardiopulmonary resuscitation
(CPR).** EMR.7.2

**Exploring Medical
Responder**

1 Describe the components of EMS systems. EMR.8.1

Fundamentals EMR.8

- 2 Explain the influence of research and evidence-based decision making on EMS care.** EMR.8.2
- 3 Describe the roles and responsibilities of an EMR toward personal safety and the safety of the crew, patient, and bystanders.** EMR.8.3
- 4 Explain the components and legal considerations of EMS documentation.** EMR.8.4
- 5 Describe the techniques of effective and efficient team communication.** EMR.8.5
- 6 Describe the communication skills that should be used to interact with the patient, family, and bystanders while providing patient care.** EMR.8.6
- 7 Explain the legal implications of EMS care.** EMR.8.7
- 8 Describe the EMS system's role in prevention of illness and injury through public education.** EMR.8.8

Exploring the Human Body EMR.9

- 1 Describe the anatomy and physiology of the major body systems.** EMR.9.1
- 2 Define common medical terms and abbreviations.** EMR.9.2
- 3 Use knowledge of shock and respiratory compromise to respond to life threats.** EMR.9.3
- 4 Describe the major physiological and psychosocial characteristics of life stages in relation to patient care.** EMR.9.4

Understanding Principles of Pharmacology EMR.10

- 1 Describe the medications that the EMR may administer.** EMR.10.1
- 2 Demonstrate the steps for assisting or administering medications that are within an EMR's scope of practice.** EMR.10.2

Managing Airway, Respiration, and Artificial Ventilation EMR.11

- 1 Discuss the general anatomy and physiology of respiration and ventilation.** EMR.11.1
- 2 Demonstrate the assessment and management of the airway.** EMR.11.2
- 3 Demonstrate the assessment of respiration and management of adequate respiration.** EMR.11.3
- 4 Demonstrate the assessment and management of adequate and inadequate ventilation.** EMR.11.4

Opioid Abuse Prevention Education EMR.12

- 12 Opioid Abuse Prevention Education** EMR.12

Assessing the Patient EMR.13

- 1 Demonstrate a scene size-up for single-patient and multiple-patient situations.** EMR.13.1
- 2 Demonstrate a primary assessment.** EMR.13.2
- 3 Demonstrate history taking.** EMR.13.3
- 4 Demonstrate a secondary assessment.** EMR.13.4
- 5 Demonstrate a reassessment.** EMR.13.5

Managing Medical Emergencies EMR.14

- 1 Describe life threats based on assessment findings of a patient with a medical emergency while awaiting additional emergency response.** EMR.14.1
- 2 Demonstrate the assessment and management of patients experiencing neurological emergencies.** EMR.14.2
- 3 Describe the assessment and management of patients with abdominal or gastrointestinal disorders.** EMR.14.3
- 4 Demonstrate the assessment and management of patients with allergic reactions.** EMR.14.4
- 5 Identify a patient with a potential infectious disease.** EMR.14.5
- 6 Describe the assessment and management of patients with diabetic emergencies.** EMR.14.6
- 7 Describe the assessment and management of patients displaying psychotic behaviors or signs of other psychiatric disorders.** EMR.14.7
- 8 Demonstrate the assessment and management of patients experiencing cardiac emergencies.** EMR.14.8
- 9 Demonstrate the assessment and management of patients suspected of suffering from poisoning.** EMR.14.9
- 10 Demonstrate the assessment and management of patients with respiratory emergencies.** EMR.14.10
- 11 Describe the assessment and management of patients with genitourinary/renal disorders.** EMR.14.11
- 12 Describe emergency medical care of patients with gynecological emergencies.** EMR.14.12
- 13 Describe the identification, assessment, and management of patients with disorders of the eyes, ears, nose, and throat.** EMR.14.13

Managing Traumatic Injuries EMR.15

- 1 Describe the assessment and management of patients with shock, respiratory failure or arrest, and cardiac arrest. EMR.15.1
- 2 Describe bleeding. EMR.15.2
- 3 Describe chest trauma. EMR.15.3
- 4 Describe abdominal trauma. EMR.15.4
- 5 Describe orthopedic trauma. EMR.15.5
- 6 Describe soft-tissue trauma. EMR.15.6
- 7 Describe head, facial, neck, and spine trauma. EMR.15.7
- 8 Describe special considerations in trauma. EMR.15.8
- 9 Describe environmental emergencies. EMR.15.9
- 10 Describe multi-system trauma. EMR.15.10

Managing Special Patient Populations EMR.16

- 1 Describe the assessment and management of obstetric patients. EMR.16.1
- 2 Describe the care of neonatal patients. EMR.16.2
- 3 Describe the care of pediatric patients. EMR.16.3
- 4 Demonstrate the assessment and management of geriatric patients. EMR.16.4
- 5 Describe the assessment and management of patients with special challenges. EMR.16.5

Understanding EMS/EMR Operations EMR.17

- 1 Discuss the risks and responsibilities of emergency response. EMR.17.1
- 2 Explore establishment of incident command. EMR.17.2
- 3 Evaluate the role of an EMR in a multiple-casualty situation. EMR.17.3
- 4 Describe the use of air medical transport. EMR.17.4
- 5 Describe the fundamental concepts of extrication. EMR.17.5
- 6 Explain the EMR's role during a call involving hazardous materials. EMR.17.6
- 7 Evaluate the role of the EMR in a mass-casualty situation due to terrorism or disaster. EMR.17.7

Performing Clinical Behavior and Judgment Assessments EMR.18

- 1 Demonstrate long-bone splinting. EMR.18.1
- 2 Demonstrate joint splinting. EMR.18.2

3 Demonstrate airway management. [EMR.18.3](#)

4 Demonstrate bleeding control and care of shock. [EMR.18.4](#)

5 Perform simulated patient scenarios. [EMR.18.5](#)

Exploring Requirements for Certification and Work-Based Learning Opportunities [EMR.19](#)

1 Research certification requirements for the EMR. [EMR.19.1](#)

2 (Optional) Observe emergency medical services operations. [EMR.19.2](#)

3 Research recertification requirements for the EMR. [EMR.19.3](#)

Describing the Opioid Crisis [EMR.20](#)

1 Describe the history and current state of the opioid crisis in the United States. [EMR.20.1](#)

2 Describe the history and current state of the opioid crisis in Virginia. [EMR.20.2](#)

3 Define the pharmacological components and common uses of opioids. [EMR.20.3](#)

Examining the Key Factors of Drug Addiction [EMR.21](#)

1 Examine the science of addiction. [EMR.21.1](#)

2 Explain prevention and early intervention strategies. [EMR.21.2](#)

3 Identify addiction and its behavioral elements, as defined by the Diagnostic and Statistical Manual of Mental Disorders (DSM-5). [EMR.21.3](#)

4 Describe the treatment models of addiction therapy. [EMR.21.4](#)

5 Describe the medication management antidote used to prevent fatal opioid overdoses. [EMR.21.5](#)

Understanding Pain Management Protocols [EMR.22](#)

1 Explain the science of physiological and mental pain. [EMR.22.1](#)

2 Describe the diagnostic tools used in developing pain management plans. [EMR.22.2](#)

3 Describe pain treatment options available to various populations of patients. [EMR.22.3](#)

4 Describe the effects of opioid dependency on the human body systems. [EMR.22.4](#)

5 Explain the mechanism and physical effects of opioids on the human body. [EMR.22.5](#)

6 Explain the use of opioids in practice settings, the role of opioids in pain management, and risk factors associated with the use of the medication. [EMR.22.6](#)

7 Describe the withdrawal and tapering side effects of opioid use. [EMR.22.7](#)

8 Describe storage and disposal options for opioids. EMR.22.8

9 Explain community resources for education about opioid use. EMR.22.9

**Working with Patients
and Caregivers** EMR.23

1 Describe key communication topics involving opioids for patients. EMR.23.1

2 Describe communication topics for caregivers and family members. EMR.23.2