

	EMR	EMT	AEMT	Paramedic
Preparatory	Uses simple knowledge of the EMS system, safety/well-being of the EMR, medical/legal issues at the scene of an emergency while awaiting a higher level of care.	Applies fundamental knowledge of the EMS system, safety/well-being of the EMT, medical/legal and ethical issues to the provision of emergency care.	Applies fundamental knowledge of the EMS system, safety/well-being of the AEMT, medical/legal and ethical issues to the provision of emergency care.	Integrates comprehensive knowledge of EMS systems, the safety/well-being of the paramedic, and medical/legal and ethical issues which is intended to improve the health of EMS personnel, patients, and the community.
EMS Systems	<p>Simple depth, simple breadth</p> <ul style="list-style-type: none"> <li>• EMS systems</li> <li>• Roles, responsibilities, and professionalism of EMS personnel</li> <li>• <u>Quality improvement vs. quality assurance</u></li> <li>• <u>Culture of safety / Patient safety</u></li> <li>• <u>Continuum of care</u></li> </ul>	<p><b>EMR Material PLUS:</b></p> <p><u>Fundamental depth, foundational breadth</u></p> <ul style="list-style-type: none"> <li>• <u>Roles, responsibilities, and professionalism of EMS personnel</u></li> </ul> <p>Simple depth, foundational breadth</p> <ul style="list-style-type: none"> <li>• EMS systems</li> <li>• Quality improvement <u>vs. quality assurance</u></li> <li>• History of EMS</li> <li>• <u>Culture of safety / Patient safety</u></li> <li>• <u>Systems of care, e.g., Stroke, STEMI, Trauma, Pediatrics</u></li> <li>• <u>Continuum of care</u></li> </ul>	<p><b>EMT Material PLUS:</b></p> <p>Fundamental depth, foundational breadth</p> <ul style="list-style-type: none"> <li>• Quality improvement <u>vs. quality assurance</u></li> <li>• <u>Culture of safety / Patient safety</u></li> <li>• <u>Systems of care, e.g., Stroke, STEMI, Trauma, Pediatrics</u></li> <li>• <u>Continuum of care</u></li> </ul>	<p><b>AEMT Material PLUS:</b></p> <p>Fundamental depth, foundational breadth</p> <ul style="list-style-type: none"> <li>• History of EMS</li> </ul> <p>Complex depth, comprehensive breadth</p> <ul style="list-style-type: none"> <li>• EMS systems</li> <li>• Roles, responsibilities, and professionalism of EMS personnel</li> <li>• Quality improvement <u>vs. quality assurance</u></li> <li>• <u>Culture or safety / Patient safety</u></li> <li>• <u>Systems of care, e.g., Stroke, STEMI, Trauma, Pediatrics</u></li> </ul>

	EMR	EMT	AEMT	Paramedic
Workforce Safety and Wellness	<p>Simple depth, simple breadth</p> <ul style="list-style-type: none"> <li>• Standard safety precautions</li> <li>• Personal protective equipment</li> <li>• Lifting and moving patients</li> <li>• <a href="#">Crew resource management</a></li> </ul> <p><a href="#">Fundamental depth, foundational breadth</a></p> <ul style="list-style-type: none"> <li>• Stress management</li> <li>• Prevention of <a href="#">work-related injuries and illnesses</a></li> <li>• <a href="#">Responder mental health, resilience and suicide prevention</a></li> <li>• <a href="#">Wellness principles</a></li> </ul>	<p><b>EMR Material PLUS:</b></p> <p>Fundamental depth, foundational breadth</p> <ul style="list-style-type: none"> <li>• Standard safety precautions</li> <li>• Personal protective equipment</li> <li>• Lifting and moving patients</li> <li>• <a href="#">Crew resource management</a></li> <li>• Disease transmission</li> </ul>	<p><b>Same as EMT Level</b></p>	<p><b>EMT Material PLUS:</b></p> <p>Complex depth, comprehensive breadth</p> <ul style="list-style-type: none"> <li>• Provider safety and well being</li> <li>• Standard safety precautions</li> <li>• Personal protective equipment</li> <li>• Stress management</li> <li>• Prevention of work related injuries <a href="#">and illnesses</a></li> <li>• Lifting and moving patients</li> <li>• Disease transmission</li> <li>• Wellness principles</li> <li>• <a href="#">Responder mental health, resilience and suicide prevention</a></li> </ul>
Research	<p>Simple depth, simple breadth</p> <ul style="list-style-type: none"> <li>• Impact of research on EMR care</li> <li>• Data collection</li> </ul>	<p><b>EMR Material PLUS:</b></p> <p>Simple depth, simple breadth</p> <ul style="list-style-type: none"> <li>• Evidence-based decision making</li> </ul>	<p><b>Same as EMT Level</b></p>	<p><b>EMT Material PLUS:</b></p> <p>Fundamental depth, foundational breadth</p> <ul style="list-style-type: none"> <li>• Research principles to interpret literature and advocate evidence-based practice</li> </ul>
Documentation	<p>Simple depth, simple breadth</p> <ul style="list-style-type: none"> <li>• Recording patient findings</li> </ul>	<p><b>EMR Material PLUS:</b></p> <p>Fundamental depth, foundational breadth</p> <ul style="list-style-type: none"> <li>• Principles of medical documentation and report writing</li> </ul>	<p><b>EMT Material PLUS:</b></p> <p>Complex depth, foundational breadth</p> <ul style="list-style-type: none"> <li>• Principles of medical documentation and report writing</li> </ul>	<p><b>AEMT Material PLUS:</b></p> <p>Complex depth, comprehensive breadth</p> <ul style="list-style-type: none"> <li>• Principles of medical documentation and report writing</li> </ul>

	EMR	EMT	AEMT	Paramedic
EMS System Communication	<p>Simple depth, simple breadth</p> <p>Communication needed to</p> <ul style="list-style-type: none"> <li>• Call for Resources</li> <li>• Transfer care of the patient</li> <li>• Interact within the team structure</li> </ul>	<p><b>EMR Material PLUS:</b></p> <p>Simple depth, simple breadth</p> <ul style="list-style-type: none"> <li>• EMS communication system</li> <li>• Communication with other health care professionals</li> <li>• Team communication and dynamics</li> <li>• <a href="#">Telemetric monitoring devices and transmission of clinical data, including video data</a></li> </ul>	<p><b>EMT Material PLUS:</b></p> <p>Fundamental depth, foundational breadth</p> <ul style="list-style-type: none"> <li>• EMS communication system</li> <li>• Communication with other health care professionals</li> <li>• Team communication and dynamics</li> </ul>	<p><b>AEMT Material PLUS:</b></p> <p>Complex depth, comprehensive breadth</p> <ul style="list-style-type: none"> <li>• EMS communication system</li> <li>• Communication with other health care professionals</li> <li>• Team communication and dynamics</li> </ul>

	EMR	EMT	AEMT	Paramedic
Therapeutic Communication	<p>Simple depth, simple breadth</p> <ul style="list-style-type: none"> <li>• <a href="#">Interviewing techniques</a></li> <li>• <a href="#">Verbal defusing strategies</a></li> <li>• <a href="#">Managing communication challenges</a></li> </ul>	<p><b>EMR Material PLUS:</b></p> <p>Simple depth, simple breadth</p> <ul style="list-style-type: none"> <li>• Adjusting communication strategies for age, stage of development, patients with special needs, and differing cultures</li> </ul> <p>Fundamental depth, foundational breadth</p> <ul style="list-style-type: none"> <li>• Interviewing techniques</li> <li>• Verbal defusing strategies</li> <li>• <a href="#">Family centered care</a></li> <li>• <a href="#">Managing communication challenges</a></li> </ul>	<p><a href="#">Same as EMT Level</a></p>	<p><b>EMT Material PLUS:</b></p> <p>Complex depth, comprehensive breadth</p> <ul style="list-style-type: none"> <li>• Factors that affect communication</li> <li>• <a href="#">Interviewing techniques</a></li> <li>• <a href="#">Managing communication challenges</a></li> <li>• Adjusting communication strategies for age, stage of development, patients with special needs, and differing cultures</li> </ul>

<p>Medical/Legal and Ethics</p>	<p>Simple depth, simple breadth</p> <ul style="list-style-type: none"> <li>• Consent/refusal of care</li> <li>• Confidentiality</li> <li>• Advanced directives</li> <li>• Tort and criminal actions</li> <li>• Evidence preservation</li> <li>• Statutory responsibilities</li> <li>• Mandatory reporting</li> <li>• Ethical principles/moral obligations</li> <li>• End of life issues</li> </ul>	<p><b>EMR Material PLUS:</b></p> <p>Fundamental depth, foundational breadth</p> <ul style="list-style-type: none"> <li>• Consent/refusal of care</li> <li>• <u>Involuntary consent</u></li> <li>• Confidentiality</li> <li>• Advanced directives</li> <li>• Tort and criminal actions</li> <li>• Evidence preservation</li> <li>• Statutory responsibilities</li> <li>• Mandatory reporting</li> <li>• Ethical principles/moral obligations</li> </ul>	<p>Same as EMT Level</p>	<p><b>EMT Material PLUS:</b></p> <p>Complex depth, comprehensive breadth</p> <ul style="list-style-type: none"> <li>• Consent/refusal of care</li> <li>• <u>Involuntary consent</u></li> <li>• Confidentiality</li> <li>• Advanced directives</li> <li>• Tort and criminal actions</li> <li>• Statutory responsibilities</li> <li>• Mandatory reporting</li> <li>• Health care regulation</li> <li>• Patient rights/advocacy</li> <li>• End of Life Issues</li> <li>• Ethical principles/moral obligations</li> <li>• Ethical tests and decision making</li> </ul>
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	EMR	EMT	AEMT	Paramedic
<p>Anatomy and Physiology</p>	<p>Uses simple knowledge of the anatomy and function of the upper airway, heart, vessels, blood, lungs, skin, muscles, and bones as the foundation of emergency care.</p>	<p>Applies fundamental knowledge of the anatomy and function of all human systems to the practice of EMS.</p>	<p>Integrates complex knowledge of the anatomy and physiology of the airway, respiratory and circulatory systems to the practice of EMS.</p>	<p>Integrates a complex depth and comprehensive breadth of knowledge of the anatomy and physiology of all human systems</p>

	EMR	EMT	AEMT	Paramedic
Medical Terminology	Uses simple medical and anatomical terms.	Uses foundational anatomical and medical terms and abbreviations in written and oral communication with colleagues and other health care professionals.	Same as EMT Level	Integrates comprehensive anatomical and medical terminology and abbreviations into the written and oral communication with colleagues and other health care professionals.

	EMR	EMT	AEMT	Paramedic
Pathophysiology	Uses simple knowledge of shock and respiratory compromise to respond to life threats.	Applies fundamental knowledge of the pathophysiology of respiration and perfusion to patient assessment and management.	Applies comprehensive knowledge of the pathophysiology of respiration and perfusion to patient assessment and management.	Integrates comprehensive knowledge of pathophysiology of major human systems.

	EMR	EMT	AEMT	Paramedic
Life Span Development	Uses simple knowledge of age-related differences to assess and care for patients.	Applies fundamental knowledge of life span development to patient assessment and management.	Same as EMT Level	Integrates comprehensive knowledge of life span development.

	EMR	EMT	AEMT	Paramedic
Public Health	Has an awareness of local public health resources and their role in public health.	<u>Applies</u> simple knowledge of the principles of <u>public health epidemiology including public health emergencies, public health monitoring, health promotion and illness and injury prevention in.</u>	<u>Same as EMT level</u>	Applies fundamental knowledge of principles of public health and epidemiology including public health emergencies, health promotion, and illness and injury prevention.

<p><b>Public Health cont.</b></p>		<p><u>EMR Level Plus:</u> <u>Simple depth and simple breadth:</u></p> <ul style="list-style-type: none"> <li>• <u>EMS EHR Reporting and data collection</u></li> <li>• <u>Governmental/nongovernmental roles &amp; resources</u></li> <li>• <u>Public health mission and goals</u></li> <li>• <u>EMS roles in public health</u></li> <li>• <u>Social, geographic, economic, demographic determinants of health</u></li> <li>• <u>MIH/CP and other EMS related specialty roles</u></li> <li>• <u>Patient and community education</u></li> <li>• <u>Injury prevention and wellness</u></li> <li>• <u>Human trafficking</u></li> <li>• <u>Unique pediatric, geriatric, and special populations public health concerns</u></li> </ul>	<p><u>EMT material plus:</u> <u>Fundamental depth and foundational breadth:</u></p> <ul style="list-style-type: none"> <li>• <u>Impacts of political, social and economic issues</u></li> <li>• <u>MIH/CP and other EMS related specialty roles</u></li> <li>• <u>Screenings and immunizations</u></li> <li>• <u>Infectious disease</u></li> </ul>	<p><u>AEMT material PLUS:</u> <u>Complex depth and Foundational breadth:</u></p> <ul style="list-style-type: none"> <li>• <u>EMS roles in public health</u></li> <li>• <u>Patient disposition, destination selection, &amp; ambulance transport</u></li> <li>• <u>Screenings and Immunizations</u></li> <li>• <u>Infectious Disease</u></li> <li>• <u>Bioinformatics</u></li> </ul>
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	EMR	EMT	AEMT	Paramedic
<b>Pharmacology</b>	Uses simple knowledge of the medications that the EMR may administer in an emergency.	Applies fundamental knowledge of the medications that the EMT may administer to a patient during an emergency.	Applies (to patient assessment and management) <b>complex</b> knowledge of the medications carried by AEMTs that may be administered to a patient during an emergency.	Integrates comprehensive knowledge of pharmacology to formulate a treatment plan intended to mitigate emergencies and improve the overall health of the patient.
Principles of Pharmacology	<p><u>Simple depth, simple breadth</u></p> <ul style="list-style-type: none"> <li>• <u>Medication safety</u></li> <li>• <u>Kinds of medications used during an emergency</u></li> </ul>	<p><b>EMR Material PLUS:</b></p> <p><u>Fundamental depth, foundational breadth</u></p> <ul style="list-style-type: none"> <li>• <u>Medication safety</u></li> <li>• <u>Medication legislation</u></li> <li>• <u>Naming</u></li> <li>• <u>Classifications</u></li> <li>• <u>Storage and security</u></li> <li>• <u>Autonomic pharmacology</u></li> <li>• <u>Metabolism and excretion</u></li> <li>• <u>Mechanism of action</u></li> <li>• <u>Medication response relationships</u></li> <li>• <u>Medication interactions</u></li> <li>• <u>Toxicology</u></li> </ul>	<p><b>EMT Material PLUS:</b></p> <p><u>Complex</u> depth, <u>comprehensive</u> breadth</p> <ul style="list-style-type: none"> <li>• Medication safety</li> <li>• Medication legislation</li> <li>• Naming</li> <li>• Classifications</li> <li>• <u>Schedules</u></li> <li>• Storage and security</li> <li>• Metabolism and excretion</li> <li>• Mechanism of action</li> <li>• Medication response relationships</li> <li>• Medication interactions</li> <li>• Toxicity</li> </ul>	<p><b>AEMT Material PLUS:</b></p> <p>Complex depth, comprehensive breadth)</p> <ul style="list-style-type: none"> <li>• Pharmacokinetics</li> <li>• <u>Pharmacodynamics</u></li> </ul>

<p>Medication Administration</p>	<p>Simple depth, simple breadth Within the scope of practice of the EMR, how to</p> <ul style="list-style-type: none"> <li>• <a href="#">Use a Medication Cross Check procedure</a></li> <li>• <a href="#">Use an autoinjector</a></li> <li>• <a href="#">Administer a unit-dose, premeasured intranasal medication</a></li> </ul>	<p><b>EMR Material PLUS:</b> Fundamental depth, foundational breadth Within the scope of practice of the EMT, how to</p> <ul style="list-style-type: none"> <li>• <a href="#">Use a Medication Cross Check procedure</a></li> <li>• <a href="#">administer medications to a patient</a></li> <li>• <a href="#">Provide pain management, including ethical and safety considerations</a></li> </ul>	<p><b>EMT Material PLUS:</b> <a href="#">Complex</a> depth, <a href="#">comprehensive</a> breadth Within the scope of practice of the AEMT, how to</p> <ul style="list-style-type: none"> <li>• Routes of administration</li> <li>• <a href="#">administer medications to a patient</a></li> <li>• <a href="#">Provide pain management, including ethical and safety considerations</a></li> </ul>	<p><b>AEMT Material PLUS:</b> Complex depth, comprehensive breadth Within the scope of practice of the paramedic, how to</p> <ul style="list-style-type: none"> <li>• <a href="#">administer medications to a patient</a></li> <li>• <a href="#">Provide pain management, including ethical and safety considerations</a></li> </ul>
<p><a href="#">Acute</a> Medications</p>	<p>Simple depth, simple breadth Within the scope of practice of the EMR</p> <ul style="list-style-type: none"> <li>• Names</li> <li>• Effects</li> <li>• Indications</li> <li>• <a href="#">Contraindications</a></li> <li>• <a href="#">Side effects</a></li> <li>• Routes of administration</li> <li>• Dosages for the medications administered</li> </ul>	<p><b>EMR Material PLUS:</b> Fundamental depth, simple breadth Within the scope of practice of the EMT</p> <ul style="list-style-type: none"> <li>• Names</li> <li>• Actions</li> <li>• Indications</li> <li>• Contraindications</li> <li>• Complications</li> <li>• Routes of administration</li> <li>• Side effects</li> <li>• Interactions</li> <li>• Dosages for the medications administered</li> </ul>	<p><b>EMT Material PLUS:</b> <a href="#">Complex</a> depth, <a href="#">comprehensive</a> breadth Within the scope of practice of the AEMT</p> <ul style="list-style-type: none"> <li>• Names</li> <li>• Actions</li> <li>• Indications</li> <li>• Contraindications</li> <li>• Complications</li> <li>• Routes of administration</li> <li>• Side effects</li> <li>• Interactions</li> <li>• Dosages for the medications administered</li> </ul>	<ul style="list-style-type: none"> <li>• <a href="#">Same as AEMT level</a></li> </ul>



<p><u>Chronic or Maintenance Medications</u></p>	<p><u>No knowledge related to this competency is applicable at this level.</u></p>	<p><u>Simple depth, simple breadth</u></p> <ul style="list-style-type: none"><li>• <u>Names</u></li><li>• <u>Indications</u></li><li>• <u>Complications</u></li><li>• <u>Side effects</u></li><li>• <u>Polypharmacy</u></li></ul>	<p><u>Same as EMT level</u></p>	<p><u>EMT Material PLUS:</u> <u>Fundamental depth, simple breadth</u></p> <ul style="list-style-type: none"><li>• <u>Names</u></li><li>• <u>Indications</u></li><li>• <u>Complications</u></li><li>• <u>Side effects</u></li><li>• <u>Polypharmacy</u></li></ul>
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	EMR	EMT	AEMT	Paramedic
<b>Airway Management, Respiration and Ventilation</b>	<b>Applies knowledge (fundamental depth, foundational breadth) of anatomy and physiology to assure a patent airway, adequate mechanical ventilation, and respiration while awaiting additional EMS response for patients of all ages.</b>	<b>Applies knowledge (fundamental depth, foundational breadth) of anatomy and physiology to patient assessment and management in order to assure a patent airway, adequate mechanical ventilation, and respiration for patients of all ages.</b>	<b>Applies knowledge (fundamental depth, foundational breadth) of upper airway anatomy and physiology to patient assessment and management in order to assure a patent airway, adequate mechanical ventilation, and respiration for patients of all ages.</b>	<b>Integrates complex knowledge of anatomy, physiology, and pathophysiology into the assessment to develop and implement a treatment plan with the goal of assuring a patent airway, adequate mechanical ventilation, and respiration for patients of all ages.</b>
Airway Management <u>(Include age-related variations in pediatric and geriatric patients)</u>	Fundamental depth, simple breadth Within the scope of practice of the EMR <ul style="list-style-type: none"> <li>• Airway anatomy</li> <li>• Airway assessment</li> <li>• Techniques of assuring a patent airway</li> </ul>	<b>EMR Material PLUS:</b> Fundamental depth, foundational breadth Within the scope of practice of the EMT <ul style="list-style-type: none"> <li>• Airway anatomy</li> <li>• Airway assessment</li> <li>• Techniques of assuring a patent airway</li> </ul>	<b>EMT Material PLUS:</b> Fundamental depth, foundational breadth Within the scope of practice of the AEMT <ul style="list-style-type: none"> <li>• Airway anatomy</li> <li>• Airway assessment</li> <li>• Techniques of assuring a patent airway</li> </ul>	<b>AEMT Material PLUS:</b> Complex depth, comprehensive breadth Within the scope of practice of the paramedic <ul style="list-style-type: none"> <li>• Airway anatomy</li> <li>• Airway assessment</li> <li>• Techniques of assuring a patent airway</li> </ul>

<p>Respiration <u>(Include age-related variations in pediatric and geriatric patients)</u></p>	<p>Fundamental depth, simple breadth</p> <ul style="list-style-type: none"> <li>• Anatomy of the respiratory system</li> <li>• Physiology and pathophysiology of respiration                             <ul style="list-style-type: none"> <li>○ Pulmonary ventilation</li> <li>○ Oxygenation</li> <li>○ Respiration                                     <ul style="list-style-type: none"> <li>▪ External</li> <li>▪ Internal</li> <li>▪ Cellular</li> </ul> </li> </ul> </li> <li>• Assessment and management of adequate and inadequate respiration</li> <li>• Supplemental oxygen therapy</li> </ul>	<p><b>EMR Material PLUS:</b></p> <p>Fundamental depth, foundational breadth</p> <ul style="list-style-type: none"> <li>• Anatomy of the respiratory system</li> </ul> <p><u>Fundamental depth, comprehensive breadth</u></p> <ul style="list-style-type: none"> <li>• Physiology and pathophysiology of respiration                             <ul style="list-style-type: none"> <li>○ Pulmonary ventilation</li> <li>○ Oxygenation</li> <li>○ Respiration                                     <ul style="list-style-type: none"> <li>▪ External</li> <li>▪ Internal</li> <li>▪ Cellular</li> </ul> </li> </ul> </li> <li>• Assessment and management of adequate and inadequate respiration</li> <li>• Supplemental oxygen therapy</li> </ul>	<p><b>EMT Material PLUS:</b></p> <p>Complex depth, foundational breadth</p> <ul style="list-style-type: none"> <li>• Anatomy of the respiratory system</li> </ul>	<p><b>AEMT Material PLUS:</b></p> <p>Complex depth, comprehensive breadth</p> <ul style="list-style-type: none"> <li>• Anatomy of the respiratory system</li> <li>• Physiology, and pathophysiology of respiration                             <ul style="list-style-type: none"> <li>○ Pulmonary ventilation</li> <li>○ Oxygenation</li> <li>○ Respiration                                     <ul style="list-style-type: none"> <li>▪ External</li> <li>▪ Internal</li> <li>▪ Cellular</li> </ul> </li> </ul> </li> <li>• Assessment and management of adequate and inadequate respiration</li> <li>• Supplemental oxygen therapy</li> </ul>
<p>Ventilation <u>(Include age-related variations in pediatric and geriatric patients)</u></p>	<p>Fundamental depth, simple breadth</p> <ul style="list-style-type: none"> <li>• Assessment and management of adequate and inadequate ventilation</li> <li>• Effect of ventilation on cardiac output</li> </ul>	<p><b>EMR Material PLUS:</b></p> <p>Fundamental depth, foundational breadth</p> <ul style="list-style-type: none"> <li>• Assessment and management of adequate and inadequate ventilation</li> <li>• Effect of ventilation on cardiac output</li> </ul>	<p><b>EMT Material PLUS:</b></p> <p>Complex depth, foundational breadth</p> <ul style="list-style-type: none"> <li>• Assessment and management of adequate and inadequate ventilation</li> <li>• Effect of ventilation on cardiac output</li> </ul>	<p><b>AEMT Material PLUS:</b></p> <p>Complex depth, comprehensive breadth</p> <ul style="list-style-type: none"> <li>• Assessment and management of adequate and inadequate ventilation</li> <li>• Effect of ventilation on cardiac output</li> </ul>

	EMR	EMT	AEMT	Paramedic
Assessment	Use scene information and simple patient assessment findings to identify and manage immediate life threats and injuries within the scope of practice of the EMR.	Applies scene information and patient assessment findings (scene size up, primary and secondary assessment, patient history, and reassessment) to guide emergency management.	Same as EMT Level	Integrate scene and patient assessment findings with knowledge of epidemiology and pathophysiology to form a field impression. This includes developing a list of differential diagnoses through clinical reasoning to modify the assessment and formulate a treatment plan.
Scene Size Up	<p>Complex depth, comprehensive breadth</p> <ul style="list-style-type: none"> <li>Scene safety/<a href="#">situational awareness</a></li> </ul> <p>Fundamental depth, foundational breadth</p> <ul style="list-style-type: none"> <li>Scene management</li> <li>Impact of the environment on patient care</li> <li>Addressing hazards</li> <li>Violence</li> <li>Need for additional or specialized resources</li> <li>Standard precautions</li> <li><a href="#">Multiple patient situations</a></li> </ul>	Same as EMR Level	Same as EMR Level	<p><b>EMT Material PLUS:</b></p> <p>Complex depth, comprehensive breadth</p> <ul style="list-style-type: none"> <li>Scene management</li> <li>Impact of the environment on patient care</li> <li>Addressing hazards</li> <li>Violence</li> <li>Multiple patient situations</li> </ul>
Primary Assessment <a href="#">(Include age-related variations in pediatric and geriatric patients)</a>	<p>Simple depth, simple breadth</p> <ul style="list-style-type: none"> <li>Primary assessment</li> <li>Begin interventions needed to preserve life</li> </ul>	<p><b>EMR Material PLUS:</b></p> <p>Fundamental depth, simple breadth</p> <ul style="list-style-type: none"> <li>Primary assessment</li> <li>Integration of treatment/procedures needed to preserve life</li> </ul>	<p><b>EMT Material PLUS:</b></p> <p>Fundamental depth, foundational breadth</p> <ul style="list-style-type: none"> <li>Primary assessment</li> <li>Integration of treatment/procedures needed to preserve life</li> </ul>	<p><b>AEMT Material PLUS:</b></p> <p>Complex depth, comprehensive breadth</p> <ul style="list-style-type: none"> <li>Primary assessment</li> <li>Integration of treatment/procedures needed to preserve life</li> </ul>

<p>History Taking <u>(Include age-related variations in pediatric and geriatric patients)</u></p>	<p>Simple depth, simple breadth</p> <ul style="list-style-type: none"> <li>• Determining the chief complaint</li> <li>• Mechanism of injury/nature of illness</li> <li>• Associated signs and symptoms</li> </ul>	<p><b>EMR Material PLUS:</b> Fundamental depth, foundational breadth</p> <ul style="list-style-type: none"> <li>• Investigation of the chief complaint</li> <li>• Mechanism of injury/nature of illness</li> <li>• Past medical history</li> <li>• Associated signs and symptoms</li> <li>• Pertinent negatives</li> </ul>	<p><b>Same as EMT Level</b></p>	<p><b>EMT Material PLUS:</b> Complex depth, comprehensive breadth</p> <ul style="list-style-type: none"> <li>• Components of the patient history</li> <li>• Interviewing techniques</li> <li>• How to integrate therapeutic communication techniques and adapt the line of inquiry based on findings and presentation</li> </ul>
<p>Secondary Assessment <u>(Include age-related variations in pediatric and geriatric patients)</u></p>	<p>Simple depth, simple breadth</p> <ul style="list-style-type: none"> <li>• Performing a rapid full body scan</li> <li>• Assessment of pain</li> <li>• Assessment of vital signs</li> </ul>	<p><b>EMR Material PLUS:</b> Fundamental depth, foundational breadth</p> <p>Techniques of physical examination</p> <ul style="list-style-type: none"> <li>• Respiratory system <u>including breath sound quality</u></li> <li>• Cardiovascular system</li> <li>• Neurological system</li> <li>• Musculoskeletal system</li> <li>• <u>Major anatomical regions</u></li> </ul>	<p><b>EMT Material PLUS:</b> Complex depth, foundational breadth</p> <ul style="list-style-type: none"> <li>• <u>Techniques of physical examination for major body systems and anatomical regions</u></li> </ul>	<p><b>AEMT Material PLUS:</b> Complex depth, comprehensive breadth</p> <p>Techniques of physical examination for major body systems <u>and</u> anatomical regions</p>
<p>Monitoring Devices</p>	<p><b>No knowledge related to this competency is applicable at this level.</b></p>	<p>Simple depth, simple breadth</p> <p>Within the scope of practice of the EMT, obtain and use information from patient monitoring devices including (but not limited to)</p> <ul style="list-style-type: none"> <li>• Pulse oximetry</li> <li>• Non-invasive blood pressure</li> <li>• <u>Cardiac monitoring – 12 lead ECG acquisition and transmission</u></li> <li>• <u>Blood glucose determination</u></li> </ul>	<p><b>EMT Material PLUS:</b> Simple depth, simple breadth</p> <p>Within the scope of practice of the AEMT, obtain and use information from patient monitoring devices including (but not limited to)</p> <ul style="list-style-type: none"> <li>• <u>End tidal CO2 monitoring and interpretation of waveform capnography</u></li> <li>• <u>Venous blood sampling</u></li> </ul>	<p><b>AEMT Material PLUS:</b> Fundamental depth, foundational breadth</p> <p>Within the scope of practice of the paramedic, obtain and use information from patient monitoring devices including (but not limited to):</p> <ul style="list-style-type: none"> <li>• Continuous ECG monitoring</li> <li>• 12-lead ECG interpretation</li> <li>• <u>End tidal CO2 monitoring and interpretation of waveform capnography</u></li> <li>• <u>Blood chemistry analysis</u></li> </ul>

<p>Reassessment <u>(Include age-related variations in pediatric and geriatric patients)</u></p>	<p>Simple depth, simple breadth</p> <ul style="list-style-type: none"> <li>• How and when to reassess patients</li> </ul>	<p><b>EMR Material PLUS:</b> Fundamental depth, foundational breadth</p> <ul style="list-style-type: none"> <li>• how and when to perform a reassessment for all patient situations</li> </ul>	<p><b>Same as EMT Level</b></p>	<p><b>EMT Material PLUS:</b> Complex depth, comprehensive breadth</p> <ul style="list-style-type: none"> <li>• How and when to perform a reassessment for all patient situations</li> </ul>
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	EMR	EMT	AEMT	Paramedic
Medicine	<p>Recognizes and manages life threats based on assessment findings of a patient with a medical emergency while awaiting additional emergency response.</p>	<p>Applies fundamental knowledge to provide basic emergency care and transportation based on assessment findings for an acutely ill patient.</p>	<p>Applies fundamental knowledge to provide basic and selected advanced emergency care and transportation based on assessment findings for an acutely ill patient.</p>	<p>Integrates assessment findings with principles of epidemiology and pathophysiology to formulate a field impression and implement a comprehensive treatment/disposition plan for a patient with a medical complaint.</p>
Medical Overview <u>(Include psychosocial aspects of age-related assessment and treatment modifications for the major or common diseases and/or emergencies associated with pediatric and geriatric patients)</u>	<p>Simple depth, simple breadth</p> <p>Assessment and management of a</p> <ul style="list-style-type: none"> <li>• Medical complaint</li> </ul>	<p><b>EMR Material PLUS:</b> Simple depth, foundational breadth</p> <p>Pathophysiology, assessment, and management of a medical complaints to include</p> <ul style="list-style-type: none"> <li>• Transport mode</li> <li>• Destination decisions</li> </ul>	<p><b>EMT Material PLUS:</b> Fundamental depth, foundational breadth</p> <p>Pathophysiology, assessment, and management of a medical complaints to include</p> <ul style="list-style-type: none"> <li>• Transport mode</li> <li>• Destination decisions</li> </ul>	<p><b>AEMT Material PLUS:</b> Complex depth, comprehensive breadth</p> <p>Pathophysiology, assessment, and management of medical complaints to include</p> <ul style="list-style-type: none"> <li>• Transport mode</li> <li>• Destination decisions</li> </ul>

<p>Neurology</p> <p><u>(Include psychosocial aspects of age-related assessment and treatment modifications for the major or common diseases and/or emergencies associated with pediatric and geriatric patients)</u></p>	<p>Simple depth, simple breadth</p> <p>Anatomy, presentations, and management of</p> <ul style="list-style-type: none"> <li>• Decreased level of responsiveness</li> <li>• Seizure</li> <li>• Stroke</li> </ul>	<p><b>EMR Material PLUS:</b></p> <p><u>Simple depth, simple breadth</u></p> <ul style="list-style-type: none"> <li>• <u>Dementia vs. delirium</u></li> <li>• <u>Alzheimer’s disease</u></li> <li>• <u>Other neurological disorders to be determined locally</u></li> </ul> <p>Fundamental depth, foundational breadth</p> <ul style="list-style-type: none"> <li>• Stroke/ transient ischemic attack</li> <li>• Seizure</li> <li>• Headache</li> <li>• <u>Brief Resolved Unexplained Event (BRUE) – formerly ALTE</u></li> </ul>	<p><b>EMT Material PLUS:</b></p> <p>Complex depth, foundational breadth</p> <p>Anatomy, physiology, pathophysiology, assessment and management of</p> <ul style="list-style-type: none"> <li>• Seizure</li> </ul>	<p><b>AEMT Material PLUS:</b></p> <p>Complex depth, comprehensive breadth</p> <p>Anatomy, physiology, epidemiology, pathophysiology, psychosocial impact, presentations, prognosis, and management of</p> <ul style="list-style-type: none"> <li>• Stroke/intracranial hemorrhage/transient ischemic attack</li> <li>• Seizure</li> <li>• Headache</li> <li>• <u>Hydrocephalus – VP shunts</u></li> </ul>
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<p>Abdominal and Gastrointestinal Disorders</p> <p><u>(Include psychosocial aspects of age-related assessment and treatment modifications for the major or common diseases and/or emergencies associated with pediatric and geriatric patients)</u></p>	<p>Simple depth, simple breadth</p> <p>Anatomy, presentations and management of shock associated with abdominal emergencies</p> <ul style="list-style-type: none"> <li>• Gastrointestinal bleeding</li> </ul>	<p><b>EMR Material PLUS:</b></p> <p>Anatomy, physiology, pathophysiology, assessment, and management of</p> <p>Fundamental depth, foundational breadth</p> <ul style="list-style-type: none"> <li>• Acute and chronic gastrointestinal hemorrhage</li> </ul> <p>Simple depth, simple breadth</p> <ul style="list-style-type: none"> <li>• <u>Dehydration</u></li> <li>• <u>Other gastrointestinal disorders to be determined locally</u></li> </ul>	<p><b>Same as EMT Level</b></p> <p><u>Fundamental depth, foundational breadth</u></p> <ul style="list-style-type: none"> <li>• <u>Dehydration</u></li> </ul>	<p><b>AEMT Material PLUS:</b></p> <p>Anatomy, physiology, epidemiology, pathophysiology, psychosocial impact, presentations, prognosis, and management of</p> <p>Complex depth, comprehensive breadth</p> <ul style="list-style-type: none"> <li>• <u>Acute and chronic gastrointestinal hemorrhage</u></li> <li>• <u>Bowel obstruction</u></li> <li>• <u>Dehydration</u></li> </ul> <p>Fundamental depth, foundational breadth</p> <ul style="list-style-type: none"> <li>• <u>Liver and biliary tract disorders</u></li> </ul> <p><u>Simple depth, simple breadth</u></p> <ul style="list-style-type: none"> <li>• <u>Pancreatitis</u></li> <li>• <u>Inflammatory disorders</u></li> <li>• <u>Peritonitis</u></li> <li>•</li> <li>•</li> <li>•</li> </ul>
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<p style="text-align: center;"><b>Immunology</b> (<u>Include psychosocial aspects of age-related assessment and treatment modifications for the major or common diseases and/or emergencies associated with pediatric and geriatric patients</u>)</p>	<p>Simple depth, simple breadth Recognition and management of shock and difficulty breathing related to</p> <ul style="list-style-type: none"> <li>• Anaphylactic reactions</li> </ul>	<p><b>EMR Material PLUS:</b> <u>Simple depth, simple breadth</u></p> <ul style="list-style-type: none"> <li>• <u>Inflammatory arthritis</u></li> <li>• <u>Other immunological disorders to be determined locally</u></li> </ul> <p>Fundamental depth, foundational breadth Anatomy, physiology, pathophysiology, assessment, and management of hypersensitivity disorders and/or emergencies</p> <ul style="list-style-type: none"> <li>• <u>Allergic and anaphylactic reactions</u></li> </ul>	<p><b>EMT Material PLUS:</b> Complex depth, comprehensive breadth Anatomy, physiology, pathophysiology, assessment, and management of hypersensitivity disorders and/or emergencies</p> <ul style="list-style-type: none"> <li>• <u>Allergic and anaphylactic reactions</u></li> <li>• <u>Systemic Inflammatory Response Syndrome (SIRS)</u></li> </ul>	<p><b>AEMT Material PLUS:</b> Anatomy, physiology, epidemiology, pathophysiology, psychosocial impact, presentations, prognosis, and management of common or major immune system disorders and/or emergencies Complex depth, comprehensive breadth</p> <ul style="list-style-type: none"> <li>• Hypersensitivity</li> <li>• Allergic and anaphylactic reactions</li> <li>• Anaphylactoid reactions</li> <li>• <u>Systemic Inflammatory Response Syndrome (SIRS)</u></li> </ul> <p>Fundamental depth, foundational breadth</p> <ul style="list-style-type: none"> <li>• Collagen vascular disease</li> <li>• <u>Transplant related problems</u></li> <li>• <u>Immunodeficiency Syndromes (Acquired or congenital)</u></li> </ul>
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<p>Infectious Diseases (Include psychosocial aspects of age-related assessment and treatment modifications for the major or common diseases and/or emergencies associated with pediatric and geriatric patients)</p>	<p>Simple depth, simple breadth</p> <ul style="list-style-type: none"> <li>• Awareness of patient who may have an infectious disease</li> <li>• How to <a href="#">disinfect and decontaminate</a> equipment after treating a patient</li> </ul>	<p><b>EMR Material PLUS:</b></p> <p>Simple depth, simple breadth</p> <ul style="list-style-type: none"> <li>• Assessment and management of a patient who may have an infectious disease</li> <li>• <a href="#">How to decontaminate the ambulance and equipment after treating a patient</a></li> <li>• <a href="#">Other infectious diseases to be determined locally</a></li> </ul>	<p><b>EMT Material PLUS:</b></p> <p>Fundamental depth, foundational breadth</p> <p>Assessment and management of</p> <ul style="list-style-type: none"> <li>• <a href="#">Sepsis and septic shock</a></li> <li>• A patient who may be infected with a bloodborne pathogen             <ul style="list-style-type: none"> <li>○ HIV</li> <li>○ Hepatitis B</li> </ul> </li> <li>• <a href="#">Antibiotic Resistance</a></li> <li>• <a href="#">Current infectious diseases prevalent in the community</a></li> <li>• <a href="#">Vaccine-preventable diseases</a></li> </ul>	<p><b>AEMT Material PLUS:</b></p> <p>Anatomy, physiology, epidemiology, pathophysiology, psychosocial impact, reporting requirements, prognosis, and management of</p> <p>Complex depth, comprehensive breadth</p> <ul style="list-style-type: none"> <li>• <a href="#">Sepsis and septic shock</a></li> <li>• HIV-related disease</li> <li>• Hepatitis</li> <li>• <a href="#">Meningitis</a></li> <li>• <a href="#">Vaccine-preventable diseases</a></li> </ul> <p>• Fundamental depth, foundational breadth Viral diseases: <a href="#">RSV</a>, <a href="#">Herpes zoster</a></p> <p>• Sexually transmitted <a href="#">infections</a></p> <p>Simple depth, simple breadth</p> <ul style="list-style-type: none"> <li>• <a href="#">Tetanus</a></li> <li>• <a href="#">Vector-borne diseases</a></li> <li>• <a href="#">Tuberculosis</a></li> <li>• <a href="#">Emerging Infectious Disease</a></li> </ul>
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<p>Endocrine Disorders <u>(Include psychosocial aspects of age-related assessment and treatment modifications for the major or common diseases and/or emergencies associated with pediatric and geriatric patients)</u></p>	<p>Simple depth, simple breadth Awareness that</p> <ul style="list-style-type: none"> <li>• Diabetic emergencies cause altered mental status</li> </ul>	<p><b>EMR Material PLUS:</b> <u>Simple depth, simple breadth</u></p> <ul style="list-style-type: none"> <li>• <u>Other endocrine disorders to be determined locally</u></li> </ul> <p>Fundamental depth, foundational breadth</p> <p>Anatomy, physiology, pathophysiology, assessment and management of</p> <ul style="list-style-type: none"> <li>• <u>Diabetic emergencies</u></li> </ul>	<p><b>EMT Material PLUS:</b> Complex depth, foundational breadth</p> <p>Anatomy, physiology, pathophysiology, assessment and management of</p> <ul style="list-style-type: none"> <li>• <u>Diabetic emergencies</u></li> </ul>	<p><b>AEMT Material PLUS:</b> Anatomy, physiology, epidemiology, pathophysiology, psychosocial impact, presentations, prognosis, and management of</p> <p>Complex depth, comprehensive breadth</p> <ul style="list-style-type: none"> <li>• <u>Diabetic emergencies</u></li> <li>• <u>Chronic diabetes</u></li> </ul> <p><u>Simple depth, simple breadth</u></p> <ul style="list-style-type: none"> <li>• Adrenal disease</li> <li>• Pituitary and thyroid disorders</li> <li>• <u>Inborn errors of metabolism</u></li> </ul>
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<p>Psychiatric or Behavioral Emergencies</p> <p>(Include psychosocial aspects of age-related assessment and treatment modifications for the major or common diseases and/or emergencies associated with pediatric and geriatric patients)</p>	<p>Simple depth, simple breadth</p> <p>Recognition of</p> <ul style="list-style-type: none"> <li>Behaviors that pose a risk to the EMR, patient, or others</li> <li>Suicide risk</li> </ul>	<p><b>EMR Material PLUS:</b></p> <p>Simple depth, simple breadth</p> <ul style="list-style-type: none"> <li>Basic principles of the mental health system</li> <li>Patterns of violence, abuse, and neglect</li> <li>Other psychiatric/behavioral disorders to be determined locally</li> </ul> <p>Fundamental depth, foundational breadth</p> <p>Assessment and management of</p> <ul style="list-style-type: none"> <li>Acute psychosis</li> <li>Suicide ideation</li> <li>Excited delirium</li> <li>Anxiety</li> <li>Depression</li> <li>Medical fear</li> <li>Substance use disorder</li> <li>PTSD</li> </ul>	<p><b>EMT Material PLUS:</b></p> <p><u>Complex depth, comprehensive breadth</u></p> <ul style="list-style-type: none"> <li>Substance use disorder/addictive behavior</li> <li>Suicide ideation</li> </ul>	<p><b>AEMT Material PLUS:</b></p> <p>Anatomy, physiology, epidemiology, pathophysiology, psychosocial impact, presentations, prognosis, and management of</p> <p>Complex depth, comprehensive breadth</p> <ul style="list-style-type: none"> <li>Acute psychosis</li> <li>Excited delirium</li> <li>Anxiety</li> <li>Depression</li> <li>Medical fear</li> <li>Patterns of violence, abuse, and neglect</li> <li>PTSD</li> </ul> <p>Fundamental depth, foundational breadth</p> <ul style="list-style-type: none"> <li>Cognitive disorders</li> <li>Thought disorders</li> <li>Mood disorders</li> <li>Neurotic disorders</li> <li>Somatoform disorders</li> <li>Factitious disorders</li> <li>Personality disorders</li> </ul>
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<p>Cardiovascular <u>(Include psychosocial aspects of age-related assessment and treatment modifications for the major or common diseases and/or emergencies associated with pediatric and geriatric patients)</u></p>	<p>Simple depth, simple breadth Anatomy, signs, symptoms and management</p> <ul style="list-style-type: none"> <li>• Chest pain</li> <li>•</li> </ul>	<p><b>EMR Material PLUS:</b> Simple depth, simple breadth</p> <ul style="list-style-type: none"> <li>• <u>Hypertensive emergencies</u></li> <li>• <u>Other cardiovascular disorders to be determined locally</u></li> </ul> <p>Fundamental depth, foundational breadth</p> <ul style="list-style-type: none"> <li>• Acute coronary syndrome</li> <li>• Aortic aneurysm/dissection</li> <li>• <u>Thromboembolism</u></li> <li>• <u>Heart failure</u></li> </ul>	<p><b>EMT Material PLUS:</b> Anatomy, physiology, pathophysiology, assessment, and management of</p> <p>Complex depth, foundational breadth</p> <ul style="list-style-type: none"> <li>• Acute coronary syndrome</li> </ul> <p>Fundamental depth, simple breadth</p> <ul style="list-style-type: none"> <li>• Hypertensive emergencies</li> </ul>	<p><b>AEMT Material PLUS:</b> Anatomy, physiology, epidemiology, pathophysiology, psychosocial impact, presentations, prognosis, and management of</p> <p>Complex depth, comprehensive breadth</p> <ul style="list-style-type: none"> <li>• Acute coronary syndrome</li> <li>• Heart failure</li> <li>• Non-traumatic cardiac tamponade</li> <li>• Hypertensive emergencies</li> <li>• Cardiogenic shock</li> <li>• Vascular disorders</li> <li>• Cardiac rhythm disturbances, <u>including WPW, Brugada, long QT syndrome</u></li> </ul> <p>Fundamental depth, foundational breadth</p> <ul style="list-style-type: none"> <li>• Infectious diseases of the heart: <u>endocarditis, myocarditis, pericarditis</u></li> <li>• <u>Congenital heart disease</u></li> <li>• <u>Hypertrophic cardiomyopathy</u></li> </ul>
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<p style="text-align: center;">Toxicology <u>(Include psychosocial aspects of age-related assessment and treatment modifications for the major or common diseases and/or emergencies associated with pediatric and geriatric patients)</u></p>	<p>Simple depth, simple breadth</p> <ul style="list-style-type: none"> <li>• Recognition and management of             <ul style="list-style-type: none"> <li>○ Carbon monoxide poisoning</li> <li>○ Nerve agent poisoning</li> <li>○ <b>Opioid toxicity</b></li> </ul> </li> <li>• How and when to contact a poison control center</li> </ul>	<p><b>EMR Material PLUS:</b></p> <p><u>Simple depth, simple breadth</u></p> <ul style="list-style-type: none"> <li>• <u>Other toxicological disorders to be determined locally</u></li> </ul> <p>Fundamental depth, foundational breadth</p> <ul style="list-style-type: none"> <li>• Inhaled poisons</li> <li>• Ingested poisons</li> <li>• Injected poisons</li> <li>• Absorbed poisons</li> <li>• Alcohol intoxication and withdrawal</li> </ul>	<p><b>EMT Material PLUS:</b></p> <p>Fundamental depth, foundational breadth</p> <ul style="list-style-type: none"> <li>• <u>Opioid toxicity</u></li> </ul>	<p><b>AEMT Material PLUS:</b></p> <p>Complex depth, comprehensive breadth</p> <ul style="list-style-type: none"> <li>• <u>Toxidromes</u> <ul style="list-style-type: none"> <li>○ Cholinergic</li> <li>○ Anticholinergic</li> <li>○ Sympathomimetic</li> <li>○ Sedative/hypnotics</li> <li>○ <u>Opioid</u></li> <li>○ <u>Corrosive</u></li> <li>○ <u>Knockdown</u></li> </ul> </li> <li>• Alcohol intoxication and withdrawal</li> <li>• <u>Chronic or maintenance medications</u></li> <li>• Carbon monoxide</li> <li>• <u>Drugs of abuse</u></li> <li>• <u>Non-FDA approved medications and supplements</u></li> <li>• <u>Serotonin Syndrome</u></li> <li>• <u>Malignant Hyperthermia</u></li> </ul>
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<p>Respiratory (Include psychosocial aspects of age-related assessment and treatment modifications for the major or common diseases and/or emergencies associated with pediatric and geriatric patients)</p>	<p>Simple depth, simple breadth Anatomy, signs, symptoms and management of respiratory emergencies:</p> <ul style="list-style-type: none"> <li>• Upper airway obstruction</li> <li>• Lower airway disease</li> <li>• Respiratory distress/failure/arrest</li> </ul>	<p><b>EMR Material PLUS:</b> Simple depth, simple breadth</p> <ul style="list-style-type: none"> <li>• <u>Other respiratory disorders to be determined locally</u></li> </ul> <p>Fundamental depth, foundational breadth</p> <ul style="list-style-type: none"> <li>• Upper airway obstruction</li> <li>• Spontaneous pneumothorax</li> <li>• Pulmonary edema</li> <li>• Lower airway diseases</li> </ul>	<p><b>EMT Material PLUS:</b> Complex depth, foundational breadth Anatomy, physiology, pathophysiology, assessment, and management of</p> <ul style="list-style-type: none"> <li>• Upper airway diseases: foreign body, croup, epiglottitis</li> <li>• Lower airway diseases: Asthma, bronchiolitis, pneumonia, chronic obstructive pulmonary disease (COPD) Pulmonary edema</li> </ul>	<p><b>AEMT Material PLUS:</b> Complex depth, comprehensive breadth Anatomy, physiology, epidemiology, pathophysiology, psychosocial impact, presentations, prognosis, management of</p> <ul style="list-style-type: none"> <li>• Upper airway diseases: foreign body, croup, epiglottitis</li> <li>• Lower airway diseases: Asthma, bronchiolitis, pneumonia, chronic obstructive pulmonary disease (COPD), bronchopulmonary dysplasia</li> <li>• Pulmonary edema</li> <li>• Spontaneous pneumothorax</li> </ul>
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<p>Hematology  <u>(Include psychosocial aspects of age-related assessment and treatment modifications for the major or common diseases and/or emergencies associated with pediatric and geriatric patients)</u></p>	<p><b>No knowledge related to this competency is applicable at this level.</b></p>	<p>Simple depth, simple breadth                  Anatomy, physiology, pathophysiology, assessment, and management of</p> <ul style="list-style-type: none"> <li>• Sickle cell crisis</li> <li>• <u>Clotting disorders</u></li> <li>• <u>Other hematologic disorders to be determined locally</u></li> </ul>	<p><b>EMT Material PLUS:</b>                  Fundamental depth, foundational breadth                  Anatomy, physiology, pathophysiology, assessment and management of</p> <ul style="list-style-type: none"> <li>• Sickle cell crisis</li> </ul>	<p><b>AEMT Material PLUS:</b>                  Anatomy, physiology, epidemiology, pathophysiology, psychosocial impact, presentations, prognosis, and management of common or major hematological diseases and/or emergencies  <u>Complex depth, comprehensive breadth</u>  <u>Sickle cell disease</u></p> <p>Fundamental depth, foundational breadth</p> <ul style="list-style-type: none"> <li>• Blood transfusion complications</li> <li>• Hemostatic disorders</li> <li>• Red blood cell disorders</li> <li>• White blood cell disorders</li> <li>• Coagulopathies</li> </ul>
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<p>Genitourinary/Renal (<u>Include psychosocial aspects of age-related assessment and treatment modifications for the major or common diseases and/or emergencies associated with pediatric and geriatric patients</u>)</p>	<p>Simple depth, simple breadth</p> <ul style="list-style-type: none"> <li>• Blood pressure assessment in hemodialysis patients</li> </ul>	<p><b>EMR Material PLUS:</b></p> <p>Simple depth, simple breadth</p> <p>Anatomy, physiology, pathophysiology, assessment, and management of</p> <ul style="list-style-type: none"> <li>• Complications related to             <ul style="list-style-type: none"> <li>○ Renal dialysis</li> <li>○ Urinary catheter management (not insertion)</li> </ul> </li> <li>• Kidney stones</li> <li>• <u>Other GI/Renal determined to be determined locally</u></li> </ul> <p><u>Fundamental depth, foundational breadth</u></p> <ul style="list-style-type: none"> <li>• <u>Sexual assault (Female and Male)</u></li> </ul>	<p><b>EMT Material PLUS:</b></p> <p>Fundamental depth, simple breadth</p> <p>Anatomy, physiology, pathophysiology, assessment, and management of</p> <ul style="list-style-type: none"> <li>• Complications related to renal dialysis</li> <li>• Kidney stones</li> </ul>	<p><b>AEMT Material PLUS:</b></p> <p>Anatomy, physiology, epidemiology, pathophysiology, psychosocial impact, presentations, prognosis, and management of</p> <p>Complex depth, comprehensive breadth</p> <ul style="list-style-type: none"> <li>• Acute/chronic renal failure</li> <li>• Complications of dialysis</li> <li>• Renal calculi</li> <li>• <u>Acid base disturbances</u></li> <li>• <u>Fluid and electrolytes</u></li> <li>• <u>Sexual assault (Female and Male)</u></li> </ul> <p>Fundamental depth, foundational breadth</p> <ul style="list-style-type: none"> <li>• Infection</li> <li>• Male genital tract conditions</li> </ul>
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<p>Gynecology <u>(Include psychosocial aspects of age-related assessment and treatment modifications for the major or common diseases and/or emergencies associated with pediatric and geriatric patients)</u></p>	<p>Simple depth, simple breadth Recognition and management of shock associated with</p> <ul style="list-style-type: none"> <li>• Vaginal bleeding</li> </ul>	<p><b>EMR Material PLUS:</b> Anatomy, physiology, assessment findings, and management of Fundamental depth, foundational breadth</p> <ul style="list-style-type: none"> <li>• Vaginal bleeding</li> <li>•</li> </ul> <p>Simple depth, simple breadth</p> <ul style="list-style-type: none"> <li>• Infections</li> <li>• <u>Other gynecological disorders to be determined locally</u></li> </ul>	<p><b>Same as EMT Level</b></p>	<p><b>EMT Material PLUS:</b> Anatomy, physiology, epidemiology, pathophysiology, psychosocial impact, presentations, prognosis, and management of common or major gynecological diseases and/or emergencies Complex depth, comprehensive breadth</p> <ul style="list-style-type: none"> <li>• Vaginal bleeding</li> <li>•</li> </ul> <p>Fundamental depth, foundational breadth</p> <ul style="list-style-type: none"> <li>• Infections</li> <li>•</li> <li>• Ovarian <b>emergencies</b></li> <li>• Vaginal foreign body</li> </ul>
<p>Non-Traumatic Musculoskeletal Disorders <u>(Include psychosocial aspects of age-related assessment and treatment modifications for the major or common diseases and/or emergencies associated with pediatric and geriatric patients)</u></p>	<p><u>Simple depth, simple breadth</u></p> <ul style="list-style-type: none"> <li>• <u>Recognition and management of non-traumatic fractures</u></li> </ul>	<p><b>EMR Material PLUS:</b> <u>Simple depth, simple breadth</u></p> <ul style="list-style-type: none"> <li>• <u>Other non-traumatic musculoskeletal disorders to be determined locally</u></li> </ul> <p>Fundamental depth, foundational breadth Anatomy, physiology, pathophysiology, assessment and management of</p> <ul style="list-style-type: none"> <li>• Non-traumatic fractures</li> </ul>	<p><b>Same as EMT Level</b></p>	<p><b>EMT Material PLUS:</b> Fundamental depth, foundational breadth Anatomy, physiology, epidemiology, pathophysiology, psychosocial impact, presentations, prognosis, and management of common or major non-traumatic musculoskeletal disorders</p> <ul style="list-style-type: none"> <li>• Disorders of the spine</li> <li>• Joint abnormalities</li> <li>• Muscle abnormalities</li> <li>• Overuse syndromes</li> <li>• <u>Rhabdomyolysis</u></li> </ul>

<p><u>Disorders of the Eyes, Ears, Nose, and Throat</u>  (<u>Include psychosocial aspects of age-related assessment and treatment modifications for the major or common diseases and/or emergencies associated with pediatric and geriatric patients</u>)</p>	<p>Simple depth, simple breadth Recognition and management of</p> <ul style="list-style-type: none"> <li>• Nose bleed</li> </ul>	<p><b>EMR Material PLUS:</b></p> <p><u>Simple depth, simple breadth</u></p> <ul style="list-style-type: none"> <li>• <u>Other eye, ear, nose, and throat disorders to be determined locally</u></li> </ul>	<p><b>EMT Material PLUS:</b></p> <p><u>Fundamental depth, foundational breadth</u></p> <ul style="list-style-type: none"> <li>• <u>Post-surgical oropharyngeal hemorrhage</u></li> <li>• <u>Epistaxis</u></li> </ul>	<p><b>AEMT Material PLUS:</b></p> <p>Fundamental depth, foundational breadth</p> <p>Knowledge of anatomy, physiology, epidemiology, pathophysiology, psychosocial impact, presentations, prognosis, management of</p> <ul style="list-style-type: none"> <li>• Common or major diseases of the eyes, ears, nose, and throat, including nose bleed</li> </ul>
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	EMR	EMT	AEMT	Paramedic
<p><b>Shock and Resuscitation</b>  (<u>Include psychosocial aspects of age-related assessment and treatment modifications for the major or common diseases and/or emergencies associated with pediatric and geriatric patients</u>)</p>	<p>Uses assessment information to recognize shock, respiratory failure or arrest, and cardiac arrest based on assessment findings and manages the emergency while awaiting additional emergency response.</p>	<p>Applies fundamental knowledge of the causes, pathophysiology, and management of shock, respiratory failure or arrest, cardiac failure or arrest, <u>termination of resuscitative efforts</u>, and post resuscitation management.</p>	<p>Applies fundamental knowledge to provide basic and selected advanced emergency care and transportation based on assessment findings for a patient in shock, respiratory failure or arrest, cardiac failure or arrest, <u>termination of resuscitative efforts</u>, and post resuscitation management.</p>	<p>Integrates comprehensive knowledge of causes and pathophysiology into the management of cardiac arrest and peri-arrest states.</p> <p>Integrates a comprehensive knowledge of the causes and pathophysiology into the management of shock, respiratory failure or arrest with an emphasis on early intervention to prevent arrest.</p>

	EMR	EMT	AEMT	Paramedic
<b>Trauma</b>	Uses simple knowledge to recognize and manage life threats based on assessment findings for an acutely injured patient while awaiting additional emergency medical response.	Applies fundamental knowledge to provide basic emergency care and transportation based on assessment findings for an acutely injured patient.	Applies fundamental knowledge to provide basic and selected advanced emergency care and transportation based on assessment findings for an acutely injured patient.	Integrates assessment findings with principles of epidemiology and pathophysiology to formulate a field impression to implement a comprehensive treatment/disposition plan for an acutely injured patient.
Trauma Overview (Include psychosocial aspects of age-related assessment and treatment modifications for the major or common diseases and/or emergencies associated with pediatric and geriatric patients)	No knowledge related to this competency is applicable at this level.	Fundamental depth, foundational breadth Pathophysiology, assessment, and management of the trauma patient <ul style="list-style-type: none"> <li>• Trauma scoring</li> <li>• Transport and destination issues</li> <li>• Transport mode</li> </ul>	Same as EMT Level	<b>EMT Material PLUS:</b> Complex depth, comprehensive breadth Pathophysiology, assessment and management of the trauma patient <ul style="list-style-type: none"> <li>• Trauma scoring</li> <li>• Transport and destination issues</li> </ul>
Bleeding (Include psychosocial aspects of age-related assessment and treatment modifications for the major or common diseases and/or emergencies associated with pediatric and geriatric patients)	Simple depth, simple breadth Recognition and management of <ul style="list-style-type: none"> <li>• Bleeding</li> </ul>	<b>EMR Material PLUS:</b> Fundamental depth, foundational breadth Pathophysiology, assessment, and management of <ul style="list-style-type: none"> <li>• Bleeding</li> </ul>	<b>EMT Material PLUS:</b> Complex depth, comprehensive breadth <ul style="list-style-type: none"> <li>• Fluid resuscitation</li> </ul>	<b>AEMT Material PLUS:</b> Complex depth, comprehensive breadth Pathophysiology, assessment, and management of <ul style="list-style-type: none"> <li>• Bleeding</li> </ul>

<p>Chest Trauma <u>(Include psychosocial aspects of age-related assessment and treatment modifications for the major or common diseases and/or emergencies associated with pediatric and geriatric patients)</u></p>	<p>Simple depth, simple breadth Recognition and management of</p> <ul style="list-style-type: none"> <li>• Blunt versus penetrating mechanisms</li> <li>• Open chest wound</li> <li>• Impaled object</li> </ul>	<p><b>EMR Material PLUS:</b> Fundamental depth, simple breadth Pathophysiology, assessment and management</p> <ul style="list-style-type: none"> <li>• Blunt versus penetrating mechanisms</li> <li>• Hemothorax</li> <li>• Pneumothorax</li> <li>• Cardiac tamponade</li> <li>• Rib fractures</li> <li>• Flail chest</li> <li>• Commotio cordis</li> </ul>	<p><b>EMT Material PLUS:</b> Fundamental depth, foundational breadth Pathophysiology, assessment and management of</p> <ul style="list-style-type: none"> <li>• Traumatic aortic disruption</li> <li>• Pulmonary contusion</li> <li>• Blunt cardiac injury</li> <li>• Hemothorax</li> <li>• Pneumothorax</li> <li>• Cardiac tamponade</li> <li>• Rib fractures</li> <li>• Flail chest</li> <li>• Traumatic asphyxia</li> </ul>	<p><b>AEMT Material PLUS:</b> Complex depth, comprehensive breadth Pathophysiology, assessment, and management of</p> <ul style="list-style-type: none"> <li>• Traumatic aortic disruption</li> <li>• Pulmonary contusion</li> <li>• Blunt cardiac injury</li> <li>• Hemothorax</li> <li>• Pneumothorax</li> <li>• Cardiac tamponade</li> <li>• Rib fractures</li> <li>• Flail chest</li> <li>• Tracheobronchial disruption</li> <li>• Diaphragmatic rupture</li> <li>• Traumatic asphyxia</li> </ul>
<p>Abdominal and Genitourinary Trauma <u>(Include psychosocial aspects of age-related assessment and treatment modifications for the major or common diseases and/or emergencies associated with pediatric and geriatric patients)</u></p>	<p>Simple depth, simple breadth Recognition and management of</p> <ul style="list-style-type: none"> <li>• Blunt versus penetrating mechanisms</li> <li>• Evisceration</li> <li>• Impaled object</li> </ul>	<p><b>EMR Material PLUS:</b> Fundamental depth, simple breadth Pathophysiology, assessment and management of:</p> <ul style="list-style-type: none"> <li>• Solid and hollow organ injuries</li> <li>• Blunt versus penetrating mechanisms</li> <li>• Evisceration</li> <li>• Injuries to the <u>internal or external genitalia</u></li> </ul>	<p><b>EMT Material PLUS:</b> Fundamental depth, foundational breadth Pathophysiology, assessment, and management of:</p> <ul style="list-style-type: none"> <li>• Vascular injury</li> <li>• Solid and hollow organs injuries</li> <li>• Blunt versus penetrating mechanisms</li> <li>• Evisceration</li> <li>• Retroperitoneal injuries</li> <li>• Injuries to the <u>internal or external genitalia</u></li> <li>•</li> </ul>	<p><b>AEMT Material PLUS:</b> Complex depth, comprehensive breadth Pathophysiology, assessment, and management of:</p> <ul style="list-style-type: none"> <li>• Vascular injury</li> <li>• Solid and hollow organ injuries</li> <li>• Blunt versus penetrating mechanisms</li> <li>• Evisceration</li> <li>• Retroperitoneal injuries</li> <li>• Injuries to the <u>internal or external genitalia</u></li> </ul>

<p>Orthopedic Trauma <u>(Include psychosocial aspects of age-related assessment and treatment modifications for the major or common diseases and/or emergencies associated with pediatric and geriatric patients)</u></p>	<p>Simple depth, simple breadth Recognition and management of</p> <ul style="list-style-type: none"> <li>• Open fractures</li> <li>• Closed fractures</li> <li>• Dislocations</li> <li>• Amputations</li> </ul>	<p><b>EMR Material PLUS:</b> Pathophysiology, assessment, and management of Fundamental depth, foundational breadth</p> <ul style="list-style-type: none"> <li>• Upper and lower extremity orthopedic trauma</li> <li>• Open fractures</li> <li>• Closed fractures</li> <li>• Dislocations</li> <li>• Sprains/strains</li> <li>• Pelvic fractures</li> <li>• Amputations/replantation</li> </ul>	<p><b>EMT Material PLUS:</b> Pathophysiology, assessment, and management of Complex depth, foundational breadth</p> <ul style="list-style-type: none"> <li>• Pelvic fractures</li> <li>• Amputations/replantation</li> </ul>	<p><b>AEMT Material PLUS:</b> Pathophysiology, assessment, and management of Fundamental depth, foundational breadth</p> <ul style="list-style-type: none"> <li>• Pediatric fractures</li> <li>• Tendon laceration/ transection/ rupture (Achilles and patellar)</li> </ul> <p>Complex depth, foundational breadth</p> <ul style="list-style-type: none"> <li>• Upper and lower extremity orthopedic trauma</li> <li>• Open fractures</li> <li>• Closed fractures</li> <li>• Dislocations</li> </ul>
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<p>Soft Tissue Trauma (<u>Include psychosocial aspects of age-related assessment and treatment modifications for the major or common diseases and/or emergencies associated with pediatric and geriatric patients</u>)</p>	<p>Simple depth, simple breadth Recognition and management of</p> <ul style="list-style-type: none"> <li>• Wounds</li> <li>• Burns             <ul style="list-style-type: none"> <li>○ Electrical</li> <li>○ Chemical</li> <li>○ Thermal</li> </ul> </li> <li>• Chemicals in the eye and on the skin</li> </ul>	<p><b>EMR Material PLUS:</b> Fundamental depth, foundational breadth Pathophysiology, assessment, and management</p> <ul style="list-style-type: none"> <li>• Wounds             <ul style="list-style-type: none"> <li>○ Avulsions</li> <li>○ Bite wounds</li> <li>○ Lacerations</li> <li>○ Puncture wounds</li> <li>○ Incisions</li> </ul> </li> <li>• Burns             <ul style="list-style-type: none"> <li>○ Electrical</li> <li>○ Chemical</li> <li>○ Thermal</li> <li>○ Radiation</li> </ul> </li> </ul> <p>Simple depth, simple breadth</p> <ul style="list-style-type: none"> <li>• <u>Crush/compartment</u> syndrome</li> <li>• <u>High-pressure injection injury</u></li> </ul>	<p><b>EMT Material PLUS:</b> Fundamental depth, simple breadth</p> <ul style="list-style-type: none"> <li>▪ <u>Crush/compartment</u> syndrome</li> </ul>	<p><b>AEMT Material PLUS:</b> Complex depth, comprehensive breadth Pathophysiology, assessment, and management of</p> <ul style="list-style-type: none"> <li>• Wounds             <ul style="list-style-type: none"> <li>○ Avulsions</li> <li>○ Bite wounds</li> <li>○ Lacerations</li> <li>○ Puncture wounds</li> </ul> </li> <li>• Burns             <ul style="list-style-type: none"> <li>○ Electrical</li> <li>○ Chemical</li> <li>○ Thermal</li> </ul> </li> <li>• <u>Crush/compartment</u> syndrome</li> </ul>
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<p>Head, Facial, Neck, and Spine trauma <u>(Include psychosocial aspects of age-related assessment and treatment modifications for the major or common diseases and/or emergencies associated with pediatric and geriatric patients)</u></p>	<p>Simple depth, simple breadth Recognition and management of</p> <ul style="list-style-type: none"> <li>• Life threats</li> <li>• Spine trauma</li> </ul>	<p><b>EMR Material PLUS:</b> Fundamental depth, foundational breadth Pathophysiology, assessment, and management of</p> <ul style="list-style-type: none"> <li>• Penetrating neck trauma</li> <li>• Laryngotracheal injuries</li> <li>• Spine trauma</li> <li>• <u>Shaken Baby Syndrome</u></li> </ul> <p>Simple depth, simple breadth</p> <ul style="list-style-type: none"> <li>• Facial fractures</li> <li>• Skull fractures</li> <li>• Foreign bodies in the eyes</li> <li>• <u>Globe rupture</u></li> <li>• Dental trauma</li> <li>• <u>Severe nasal bleeding</u></li> </ul>	<p><b>EMT Material PLUS:</b> Complex depth, foundational breadth Pathophysiology, assessment, and management of</p> <ul style="list-style-type: none"> <li>• Facial fractures</li> <li>• Laryngotracheal injuries</li> </ul>	<p><b>AEMT Material PLUS:</b> Pathophysiology, assessment, and management of Fundamental depth, foundational breadth</p> <ul style="list-style-type: none"> <li>• Unstable facial fractures</li> <li>• Orbital fractures</li> <li>• Perforated tympanic membrane</li> </ul> <p>Complex depth, comprehensive breadth</p> <ul style="list-style-type: none"> <li>• Skull fractures</li> <li>• Penetrating neck trauma</li> <li>• Laryngotracheal injuries</li> <li>• Spine trauma             <ul style="list-style-type: none"> <li>○ Dislocations/subluxations</li> <li>○ Fractures</li> <li>○ Sprains/strains</li> </ul> </li> <li>• Mandibular fractures</li> </ul>
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<p>Nervous System Trauma <u>(Include psychosocial aspects of age-related assessment and treatment modifications for the major or common diseases and/or emergencies associated with pediatric and geriatric patients)</u></p>	<p><u>Simple depth, simple breadth</u> • <u>Recognition and management of traumatic brain injury</u></p>	<p><b>EMR Material PLUS:</b> Fundamental depth, foundational breadth Pathophysiology, assessment, and management of</p> <ul style="list-style-type: none"> <li>• Traumatic brain injury</li> <li>• Spinal cord injury</li> </ul>	<p><b>EMT Material PLUS:</b> Complex depth, foundational breadth Pathophysiology, assessment, and management of</p> <ul style="list-style-type: none"> <li>• Traumatic brain injury</li> </ul>	<p><b>AEMT Material PLUS:</b> Pathophysiology, assessment, and management of Complex depth, comprehensive breadth</p> <ul style="list-style-type: none"> <li>• Traumatic brain injury</li> <li>• Spinal cord injury</li> <li>• Spinal shock</li> </ul> <p>Fundamental depth, foundational breadth</p> <ul style="list-style-type: none"> <li>• Cauda equina syndrome</li> <li>• Nerve root injury</li> <li>• Peripheral nerve injury</li> </ul>
<p>Special Considerations in Trauma</p>	<p>Simple depth, simple breadth Recognition and management of trauma in</p> <ul style="list-style-type: none"> <li>• Pregnant patient</li> <li>• Pediatric patient</li> <li>• Geriatric patient</li> </ul>	<p><b>EMR Material PLUS:</b> Fundamental depth, foundational breadth Pathophysiology, assessment, and management of trauma in the</p> <ul style="list-style-type: none"> <li>• Pregnant patient</li> <li>• Pediatric patient</li> <li>• Geriatric patient</li> <li>• Cognitively impaired patient</li> </ul>	<p><b>EMT Material PLUS:</b> Complex depth, foundational breadth Pathophysiology, assessment, and management of trauma in the</p> <ul style="list-style-type: none"> <li>• Pregnant patient</li> <li>• Pediatric patient</li> <li>• Geriatric patient</li> <li>• Cognitively impaired patient</li> </ul>	<p><b>AEMT Material PLUS:</b> Complex depth, comprehensive breadth Pathophysiology, assessment, and management of trauma in the</p> <ul style="list-style-type: none"> <li>• Pregnant patient</li> <li>• Pediatric patient</li> <li>• Geriatric patient</li> <li>• Cognitively impaired patient</li> </ul>

<p>Environmental Emergencies</p> <p><u>(Include psychosocial aspects of age-related assessment and treatment modifications for the major or common diseases and/or emergencies associated with pediatric and geriatric patients)</u></p>	<p>Simple depth, simple breadth</p> <p>Recognition and management of</p> <ul style="list-style-type: none"> <li>• <u>Drowning</u></li> <li>• <u>Temperature-related illness</u></li> <li>• <u>Bites and envenomations</u></li> <li>• <u>High-altitude</u></li> <li>• <u>Radiation exposure</u></li> </ul>	<p><b>EMR Material PLUS:</b></p> <p>Fundamental depth, foundational breadth</p> <p>Pathophysiology, assessment, and management of</p> <ul style="list-style-type: none"> <li>• <u>Drowning</u></li> <li>• Temperature-related illness</li> <li>• Bites and envenomations</li> <li>• High-altitude</li> <li>• Diving injuries</li> <li>• <u>Lightning</u> injury</li> <li>• Radiation exposure</li> </ul>	<p><b>Same as EMT Level</b></p>	<p><b>EMT Material PLUS:</b></p> <p>Complex depth, comprehensive breadth</p> <p>Pathophysiology, assessment, and management of</p> <ul style="list-style-type: none"> <li>• <u>Drowning</u></li> <li>• Temperature-related illness</li> <li>• Bites and envenomations</li> <li>•</li> <li>• High-altitude</li> <li>• Diving injuries</li> <li>• <u>Lightning</u> injury</li> </ul>
<p>Multi-System Trauma</p> <p><u>(Include psychosocial aspects of age-related assessment and treatment modifications for the major or common diseases and/or emergencies associated with pediatric and geriatric patients)</u></p>	<p>Simple depth, simple breadth</p> <p>Recognition and management of</p> <ul style="list-style-type: none"> <li>• Multi-system trauma</li> </ul>	<p><b>EMR Material PLUS:</b></p> <p>Fundamental depth, foundational breadth</p> <p>Pathophysiology, assessment, and management of</p> <ul style="list-style-type: none"> <li>• Multi-system trauma</li> <li>• Blast injuries</li> </ul>	<p><b>EMT Material PLUS:</b></p> <p>Complex depth, foundational breadth</p> <p>Pathophysiology, assessment and management of</p> <ul style="list-style-type: none"> <li>• Multi-system trauma</li> </ul>	<p><b>AEMT Material PLUS:</b></p> <p>Complex depth, comprehensive breadth</p> <p>Pathophysiology, assessment, and management of</p> <ul style="list-style-type: none"> <li>• Multi-system trauma</li> <li>• Blast injuries</li> </ul>

	EMR	EMT	AEMT	Paramedic
Special Patient Populations	Recognizes and manages life threats based on simple assessment findings for a patient with special needs while awaiting additional emergency response.	Applies a fundamental knowledge of growth, development, and aging and assessment findings to provide basic emergency care and transportation for a patient with special needs.	Applies a fundamental knowledge of growth, development, and aging and assessment findings to provide basic and selected advanced emergency care and transportation for a patient with special needs.	Integrates assessment findings with principles of pathophysiology and knowledge of psychosocial needs to formulate a field impression and implement a comprehensive treatment/disposition plan for patients with special needs.

<p>Obstetrics</p>	<p>Simple depth, simple breadth Recognition and management of</p> <ul style="list-style-type: none"> <li>• Normal delivery</li> <li>• Vaginal bleeding in the pregnant patient</li> </ul>	<p><b>EMR Material PLUS:</b> Fundamental depth, foundational breadth</p> <ul style="list-style-type: none"> <li>• Anatomy and physiology of normal pregnancy</li> <li>• Pathophysiology of complications of pregnancy</li> <li>• Assessment of the pregnant patient</li> <li>• Management of             <ul style="list-style-type: none"> <li>○ Normal delivery</li> <li>○ Abnormal delivery                 <ul style="list-style-type: none"> <li>▪ Nuchal cord</li> <li>▪ Prolapsed cord</li> <li>▪ Breech delivery</li> </ul> </li> <li>○ Third trimester bleeding                 <ul style="list-style-type: none"> <li>▪ Placenta previa</li> <li>▪ <u>Placental Abruption</u></li> </ul> </li> <li>○ Spontaneous abortion/miscarriage</li> <li>○ Ectopic pregnancy</li> <li>○ Preeclampsia/Eclampsia</li> </ul> </li> </ul>	<p><b>Same as EMT Level</b></p>	<p><b>EMT Material PLUS:</b> Complex depth, comprehensive breadth</p> <ul style="list-style-type: none"> <li>• Anatomy and physiology of pregnancy</li> <li>• Pathophysiology of complications of pregnancy</li> <li>• Assessment of the pregnant patient</li> <li>• Psychosocial impact, presentations, prognosis, and management of             <ul style="list-style-type: none"> <li>• Normal delivery</li> <li>• Abnormal delivery                 <ul style="list-style-type: none"> <li>○ Nuchal cord</li> <li>○ Prolapsed cord</li> <li>○ Breech</li> <li>○ <u>Prematurity</u></li> </ul> </li> <li>• Spontaneous abortion/miscarriage</li> <li>• Ectopic pregnancy</li> <li>• <u>Preeclampsia - Eclampsia</u></li> <li>• Antepartum hemorrhage                 <ul style="list-style-type: none"> <li>○ Placenta previa</li> <li>○ Placental abruption</li> </ul> </li> <li>• High risk pregnancy</li> <li>• Complications of labor                 <ul style="list-style-type: none"> <li>○ Fetal distress</li> <li>○ Premature rupture of membranes</li> <li>○ Rupture of uterus</li> </ul> </li> <li>• Postpartum complications</li> </ul> <p><u>Simple</u> depth, <u>simple</u> breadth</p> <ul style="list-style-type: none"> <li>• Hyperemesis gravidarum</li> <li>• Postpartum depression</li> </ul> </li></ul>
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<p>Neonatal care</p>	<p>Simple depth, simple breadth</p> <ul style="list-style-type: none"> <li>• Newborn</li> <li>• Neonatal resuscitation</li> </ul>	<p><b>EMR Material PLUS:</b></p> <p>Fundamental depth, foundational breadth</p> <ul style="list-style-type: none"> <li>• Assessment and management of the newborn, <u>including preterm</u></li> <li>• Neonatal resuscitation</li> </ul>	<p><b>Same as EMT Level</b></p>	<p><b>EMT Material PLUS:</b></p> <p>Complex depth, comprehensive breadth</p> <ul style="list-style-type: none"> <li>• Anatomy and physiology of neonatal circulation</li> <li>• Assessment and management of the newborn, <u>including preterm</u></li> <li>• Neonatal resuscitation</li> </ul>
<p>Pediatrics</p>	<p><u>The Education Standards now integrate assessment, diagnostic, treatment, and disposition modifications for pediatric-specific diseases and emergencies into each section of the document.</u></p>			
<p>Geriatrics</p>	<p><u>The Education Standards now integrate assessment, diagnostic, treatment, and disposition modifications for geriatric-specific diseases and emergencies into each section of the document</u></p>			
<p>Patients with Special Challenges</p>	<p>Simple depth, simple breadth</p> <ul style="list-style-type: none"> <li>• Recognizing and reporting abuse and neglect</li> </ul>	<p><b>EMR Material PLUS:</b></p> <p>Simple depth, simple breadth Healthcare implications of</p> <ul style="list-style-type: none"> <li>• Abuse/<u>Intimate partner violence</u></li> <li>• Neglect</li> <li>• <u>Child Maltreatment</u></li> <li>• Homelessness</li> <li>• Poverty</li> <li>• Bariatrics</li> <li>• Technology dependent (<u>locally determined</u>)</li> <li>• Hospice/ terminally ill</li> <li>• Tracheostomy care/dysfunction</li> <li>• Homecare</li> <li>• Sensory deficit/loss</li> <li>• Developmental disability</li> <li>• <u>Autism Spectrum Disorder</u></li> <li>• <u>Orthotics/prosthetics</u></li> </ul>	<p><b>EMT Material PLUS:</b></p> <p>Fundamental depth, foundational breadth Healthcare implications of</p> <ul style="list-style-type: none"> <li>• Abuse/<u>intimate partner violence</u></li> <li>• Neglect</li> <li>• <u>Child Maltreatment</u></li> <li>• Homelessness</li> <li>• Poverty</li> <li>• Bariatrics</li> <li>• Technology dependent (<u>locally determined</u>)</li> <li>• Hospice/ terminally ill</li> <li>• Tracheostomy care/dysfunction</li> <li>• Homecare</li> <li>• Sensory deficit/loss</li> <li>• Developmental disability</li> <li>• <u>Autism Spectrum Disorder</u></li> </ul>	<p><b>AEMT Material PLUS:</b></p> <p>Complex depth, comprehensive breadth Healthcare implications of</p> <ul style="list-style-type: none"> <li>• Abuse/<u>Intimate partner violence</u></li> <li>• Neglect</li> <li>• <u>Child Maltreatment</u></li> <li>• Poverty</li> <li>• Bariatrics</li> <li>• Technology dependent: <u>Vagal nerve stimulators, VP shunts, VAD, pacemakers, gastric tubes, and other locally determined</u></li> <li>• Hospice/ terminally ill</li> <li>• Tracheostomy care/ dysfunction</li> </ul>

	EMR	EMT	AEMT	Paramedic
<b>EMS Operations</b>	<b>Knowledge of operational roles and responsibilities to ensure patient, public, and personnel safety</b>	Same as EMR Level	Same as EMR Level	Same as EMR Level
<u>Emergency Response Vehicles</u>	Simple depth, simple breadth <ul style="list-style-type: none"> <li>• <u>Risks and responsibilities of emergency response and radio communications</u></li> <li>• <u>Risks and responsibilities of operating emergency vehicles</u></li> <li>• <u>Pediatric transport considerations</u></li> </ul>	<b>EMR Material PLUS:</b> Simple depth, foundational breadth <ul style="list-style-type: none"> <li>• Risks and responsibilities of transport</li> <li>• <u>Pediatric transport considerations</u></li> </ul>	Same as EMT Level	Same as EMT Level
Incident Management ( <u>The extent of information presented in this area will vary at the regional and local level.</u> )	Simple depth, simple breadth <ul style="list-style-type: none"> <li>• Establish and work within the incident management system</li> </ul>	<b>EMR Material PLUS:</b> Fundamental depth, foundational breadth <ul style="list-style-type: none"> <li>• Establish and work within the incident management system</li> <li>• <u>Understand the principles of Crew Resource Management</u></li> </ul>	Same as EMT Level	Same as EMT Material
Multiple Casualty Incidents ( <u>The extent of information presented in this area will vary at the regional and local level.</u> )	<u>Fundamental depth, foundational breadth</u> <ul style="list-style-type: none"> <li>• <u>Operational goals</u></li> <li>• <u>Field triage</u></li> </ul>	<b>EMR Material PLUS:</b> <ul style="list-style-type: none"> <li>• <u>Fundamental</u> depth, foundational breadth</li> <li>• <u>Destination determination</u></li> <li>• <u>Treatment principles</u></li> </ul>	Same as EMT Level	Same as EMT Level

<p>Air Medical (The extent of information presented in this area will vary at the regional and local level.)</p>	<p>Simple depth, simple breadth</p> <ul style="list-style-type: none"> <li>• Safe air medical operations</li> <li>• Criteria for utilizing air medical response</li> <li>• <u>Medical risks/needs/advantages</u></li> </ul>	<p><b>EMR Material PLUS:</b> <u>Fundamental depth, foundational breadth</u></p> <ul style="list-style-type: none"> <li>• <u>Medical risks/needs/advantages</u></li> </ul>	<p>Same as EMT Level</p>	<p>Same as EMT Level</p>
<p>Rescue Operations (The extent of information presented in this area will vary at the regional and local level.)</p>	<p>Simple depth, simple breadth</p> <ul style="list-style-type: none"> <li>• <u>Safety principles of rescue operations</u></li> <li>•</li> <li>•</li> </ul>	<p>Same as EMR Level</p>	<p>Same as EMR Level</p>	<p>Same as EMR Level</p>
<p>Hazardous Materials (The extent of information presented in this area will vary at the regional and local level.)</p>	<p>Simple depth, simple breadth</p> <ul style="list-style-type: none"> <li>• Risks and responsibilities of operating <u>on the scene of a hazardous materials</u> incident</li> </ul>	<p>Same as EMR Level</p>	<p>Same as EMR Level</p>	<p>Same as EMR Level</p>
<p>Mass Casualty Incidents due to Terrorism and Disaster (The extent of information presented in this area will vary at the regional and local level.)</p>	<p><u>Fundamental</u> depth, <u>foundational</u> breadth</p> <ul style="list-style-type: none"> <li>• Risks and responsibilities of operating on the scene of a natural or man-made disaster</li> </ul>	<p>Same as EMR Level</p>	<p>Same as EMR Level</p>	<p>Same as EMR Level</p>

Clinical Behavior/Judgment				
	EMR	EMT	AEMT	Paramedic
Assessment	Perform a simple assessment to identify life threats, identify injuries requiring <u>spinal motion restriction</u> and conditions requiring treatment within the scope of practice of the EMR:	Perform a basic history and physical examination to identify acute complaints and monitor changes.  <u>Formulate a field impression based upon an actual and/or potential illness or injury.</u>	Perform a basic history and physical examination to identify acute complaints and monitor changes.  <u>Formulate a field impression based upon an actual and/or potential illness or injury.</u>	Perform a comprehensive history and physical examination to identify factors affecting the health and health needs of a patient.  Relate assessment findings to underlying pathological and physiological changes in the patient’s condition.  Integrate and synthesize the multiple determinants of health and clinical care.  Formulate a <u>working diagnosis</u> based on an analysis of comprehensive assessment findings, anatomy, physiology, pathophysiology, and epidemiology.  Perform health screening and referrals.
Therapeutic communication and cultural <u>humility</u>	<u>Effectively communicates in a non-discriminatory manner that addresses inherent or unconscious bias, is culturally aware and sensitive, and intended to improve patient outcome.</u>	<u>Same as EMR level</u>	<u>Same as EMR level</u>	<u>Same as EMR level</u>
Psychomotor Skills	Safely and effectively perform all psychomotor skills within the National EMS Scope of Practice Model AND state Scope of Practice at this level.	<u>Same as EMR Level</u>	<u>Same as EMR Level</u>	<u>Same as EMR Level</u>
				Anticipate and prospectively intervene to improve patient outcome.



Professionalism	Demonstrate professional behavior including: but not limited to, integrity, empathy, self-motivation, appearance/personal hygiene, self-confidence, communications, time-management, teamwork/diplomacy, respect, patient advocacy, careful delivery of service, <u>and life-long learning</u>	<u>Same as EMR Level</u>	<u>Same as EMR Level</u>	Is a role model of exemplary professional behavior including: but not limited to, integrity, empathy, self-motivation, appearance/personal hygiene, self-confidence, communications, time-management, teamwork/diplomacy, respect, patient advocacy, careful delivery of service, <u>and life-long learning.</u>
Decision Making	Initiates simple interventions based on assessment findings.	Initiates interventions based on assessment findings intended to provide symptom relief ( <u>within the provider's scope of practice</u> ) while providing access to definitive care	<u>Same as EMT Level</u>	Performs interventions as part of a treatment plan intended to provide symptom relief, and improve the overall health of the patient.  Evaluates the effectiveness of interventions and modifies treatment plan accordingly.
Record Keeping	<u>Report and document assessment findings and interventions. Collect and report data.</u>	<u>Same as EMR level.</u>	<u>Same as EMR level.</u>	<u>Same as EMR level.</u>
<u>Team Dynamics</u>	Manage the scene until care is transferred to an EMS team member licensed at a higher level arrives.	<u>At all levels, the entry-level clinician serves as a team member, while the fully competent clinician serves as the team leader.</u>	Same as EMT level.	<u>Same as the EMT level.</u>
Safety	<u>Ensure the safety of the rescuer, other public safety personnel, civilians, and the patient.</u>	<u>Same as EMR level.</u>	<u>Same as EMR level.</u>	<u>Same as EMR level.</u>

Educational Infrastructure				
	EMR	EMT	AEMT <sup>2</sup>	Paramedic
<b>Educational Facilities</b>	<ul style="list-style-type: none"> <li>• Facility sponsored or approved by sponsoring agency</li> <li>• ADA compliant facility</li> <li>• Sufficient space for class size</li> <li>• Controlled environment</li> </ul>	Same as EMR Level	Same as EMR Level	<ul style="list-style-type: none"> <li>• Reference Committee on Accreditation for EMS Professions (CoAEMSP) <i>Standards and Guidelines</i> (www.coaemsp.org)<sup>1</sup></li> </ul>
<b>Student Space</b>	<ul style="list-style-type: none"> <li>• Provide space sufficient for students to attend classroom sessions, take notes and participate in classroom activities</li> <li>• Provide space for students to participate in kinematic learning and practice activities</li> </ul>	Same as EMR Level	Same as EMR Level	
<b>Instructional Resources</b>	<ul style="list-style-type: none"> <li>• Provide basic instructional support material</li> <li>• Provide audio, visual, and kinematic aids to support and supplement didactic instruction</li> </ul>	Same as EMR Level	Same as EMR Level	
<b>Instructor Preparation Resources</b>	<ul style="list-style-type: none"> <li>• Provide space for instructor preparation</li> <li>• Provide support equipment for</li> </ul>	Same as EMR Level	Same as EMR Level	

<sup>1</sup> The *National EMS Education Agenda for the Future: A Systems Approach (2000)* calls for national accreditation of Paramedic programs. [The Commission on Accreditation of Allied Health Education Programs \(CAAHEP\) accredits programs upon the recommendation of the Committee on Accreditation of Educational Programs for the Emergency Medical Services Professions \(CoAEMSP\)](#). CAAHEP is the only national agency that offers [Paramedic educational programmatic accreditation](#) and is used or recognized by most states. Recognition of national accreditation remains the responsibility of each state.

<sup>2</sup> The 2018 National Scope of Practice Model calls for national accreditation of AEMT programs. The target for full implementation of AEMT program accreditation is January 1, 2025. Until that date, AEMT programs should reference the existing infrastructure suggestions within this document. [The Commission on Accreditation of Allied Health Education Programs \(CAAHEP\) accredits programs upon the recommendation of the Committee on Accreditation of Educational Programs for the Emergency Medical Services Professions \(CoAEMSP\)](#). CAAHEP is the only national agency that offers [EMS programmatic accreditation](#) and is used or recognized by most states. Recognition of national accreditation remains the responsibility of each state.

	instructor preparation			
<b>Storage Space</b>	<ul style="list-style-type: none"> <li>• Provide adequate and secure storage space for instructional materials</li> </ul>	<b>Same as EMR Level</b>	<b>Same as EMR Level</b>	
<b>Sponsorship</b>	<ul style="list-style-type: none"> <li>• Sponsoring organizations shall be one of the following:                             <ul style="list-style-type: none"> <li>• Accredited educational institution, or</li> <li>• Public safety organization, or</li> <li>• Accredited hospital, clinic, or medical center, or</li> <li>• Other state approved institution or organization</li> </ul> </li> </ul>	<b>Same as EMR Level</b>	<b>Same as EMR Level</b>	
<b>Programmatic Approval</b>	<ul style="list-style-type: none"> <li>• Sponsoring organization shall have programmatic approval by authority having jurisdiction for program approval (State)</li> </ul>	<b>Same as EMR Level</b>	<b>Same as EMR Level</b>	
<b>Faculty</b>	<p>The course primary instructor should</p> <ul style="list-style-type: none"> <li>• be educated at a level higher than he or she is teaching; however, as a minimum, he or she must be educated at the level he or she is teaching</li> <li>• Have completed an approved instructor training program or equivalent</li> </ul>	<b>Same as EMR Level</b>	<b>Same as EMR Level</b>	
<b>Medical Director Oversight</b>	<ul style="list-style-type: none"> <li>• Provide medical oversight for all medical aspects of instruction</li> </ul>	<b>Same as EMR Level</b>	<b>Same as EMR Level</b>	
<b>Hospital/Clinical Experience</b>	<ul style="list-style-type: none"> <li>• None required at this level</li> </ul>	<ul style="list-style-type: none"> <li>• Students should observe emergency department operations for a period of time sufficient to gain an appreciation for the continuum of care</li> </ul>	<ul style="list-style-type: none"> <li>▪ The student must demonstrate the ability to safely administer medications (the student should safely, and while performing all steps of each procedure, properly administer</li> </ul>	

		<ul style="list-style-type: none"> <li>• Students must perform ten patient assessments. These can be performed in an emergency department, ambulance, clinic, nursing home, doctor’s office, etc., or on standardized patients if clinical settings are not available.</li> <li>• <u>The student must demonstrate the ability to perform an adequate assessment on pediatric, adult and geriatric patients.</u></li> </ul>	<p>medications at least 15 times to live patient).</p> <ul style="list-style-type: none"> <li>▪ The student must demonstrate the ability to safely gain vascular access (the student should safely, and while performing all steps of each procedure, successfully access the venous circulation at least 25 times on live patients of various age groups).</li> <li>▪ The student should demonstrate the ability to effectively ventilate patients of all age groups (the student should effectively, and while performing all steps of each procedure, ventilate at least 20 live patients of various age groups).</li> <li>• The student must demonstrate the ability to perform an adequate assessment and formulate and implement a treatment plan for patients with chest pain.</li> <li>• The student must demonstrate the ability to perform an adequate assessment and formulate and implement a treatment plan for patients with respiratory distress.</li> <li>• The student must demonstrate the ability to perform an adequate assessment and formulate and implement a treatment plan for patients with altered mental status.</li> <li>• The student must demonstrate the ability to perform an</li> </ul>	
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			adequate assessment on pediatric, adult and geriatric patients.	
<b>Field Experience</b>	<ul style="list-style-type: none"> <li>• None required at this level</li> </ul>	<ul style="list-style-type: none"> <li>• The student must participate in and document patient contacts in a field experience approved by the medical director and program director.</li> </ul>	<ul style="list-style-type: none"> <li>• The student must participate in and document team leadership in a field experience approved by the medical director and program director.</li> </ul>	
<b>Course Length</b>	<ul style="list-style-type: none"> <li>• Course length is based on competency, not hours</li> <li>• Course material can be delivered in multiple formats including but not limited to:                             <ul style="list-style-type: none"> <li>• Independent student preparation</li> <li>• Synchronous/Asynchronous distributive education</li> <li>• Face-to-face instruction</li> <li>• Pre- or co-requisites</li> </ul> </li> <li>• Course length is estimated to take approximately <b>48-70</b> didactic and laboratory clock hours</li> </ul>	<ul style="list-style-type: none"> <li>• Course length is based on competency, not hours</li> <li>• Course material can be delivered in multiple formats including but not limited to:                             <ul style="list-style-type: none"> <li>• Independent student preparation</li> <li>• Synchronous/Asynchronous distributive education</li> <li>• Face-to-face instruction</li> <li>• Pre- or co-requisites</li> </ul> </li> <li>• Course length is estimated to take approximately <b>150-220</b> clock hours including the four integrated phases of education (didactic, laboratory, clinical and field) to cover material</li> </ul>	<ul style="list-style-type: none"> <li>• Course length is based on competency, not hours</li> <li>• Course material can be delivered in multiple formats including but not limited to:                             <ul style="list-style-type: none"> <li>• Independent student preparation</li> <li>• Synchronous/Asynchronous distributive education</li> <li>• Face-to-face instruction</li> <li>• Pre- or co-requisites</li> </ul> </li> <li>• Course length is estimated to take approximately <b>150-250 200-300</b> clock hours beyond EMT requirements including the four integrated phases of education (didactic, laboratory, clinical and field) to cover material</li> </ul>	
<b>Course Design</b>	<ul style="list-style-type: none"> <li>• Provide the following components of instruction:                             <ul style="list-style-type: none"> <li>• Didactic instruction</li> <li>• Skills laboratories</li> </ul> </li> </ul>	<ul style="list-style-type: none"> <li>• Provide the following components of instruction:                             <ul style="list-style-type: none"> <li>• Didactic instruction</li> <li>• Skills laboratories</li> <li>• Hospital/Clinical experience</li> <li>• Field experience</li> </ul> </li> </ul>	<b>Same as EMT Level</b>	
<b>Student Assessment</b>	<ul style="list-style-type: none"> <li>• Perform knowledge, skill, and professional behavior evaluation based on educational standards and program</li> </ul>	<b>Same as EMR Level</b>	<b>Same as EMR Level</b>	

	<p>objectives</p> <ul style="list-style-type: none"> <li>• Provide several methods of assessing achievement</li> <li>• Provide assessment that measures, as a minimum, entry level competency in all domains</li> </ul>			
<b>Program Evaluation</b>	<ul style="list-style-type: none"> <li>• Provide evaluation of program instructional effectiveness</li> <li>• Provide evaluation of organizational and administrative effectiveness of program</li> </ul>	<b>Same as EMR Level</b>	<b>Same as EMR Level</b>	