



KBEMS EMR -to- Paramedic Scope of Practice

Revised 01/07/2025

Psychomotor Skill Set	Clinician Level				
	EMR	EMT	AEMT	Paramedic	Critical Care Endorsement
<i>Airway and Breathing</i>					
Automatic transport ventilator (ATV) (See Footnote 1)		✓ ¹	✓ ¹	✓ ¹	✓ ¹
Bag-valve-mask (BVM)	✓	✓	✓	✓	✓
Blind insertion airway device - Combitube, King, LMA, i-gel		✓	✓	✓	✓
Cricoid pressure/Sellick Maneuver	✓	✓	✓	✓	✓
Cricothyrotomy - Needle, surgical, guide wire assisted, or other approved percutaneous device				✓	✓
Endotracheal tube introducer/Bougie				✓	✓
End-tidal CO2/Capnography detecting and monitoring for confirmation of airway placement or clinical assessment - colorimetric & waveform		✓	✓	✓	✓
Esophageal intubation detector device (EID)		✓	✓	✓	✓
Foreign body airway obstruction - Forceps & laryngoscope direct visualization				✓	✓
Foreign body airway obstruction - Manual	✓	✓	✓	✓	✓
Gastric decompression/monitoring & management - NG & OG tubes		✓	✓	✓	✓
Lower airway suctioning - Advanced (Tracheobronchial)				✓	✓
Manual airway maneuvers - CL, HTCL, JT, MJT	✓	✓	✓	✓	✓
Manually triggered ventilator (MTV)		✓	✓	✓	✓
Nasogastric (NG) tube placement				✓	✓
Nasopharyngeal airways	✓	✓	✓	✓	✓
Nasotracheal intubation				✓	✓
Needle chest decompression				✓	✓
Non-invasive positive pressure ventilation (CPAP and BiPAP)		✓	✓	✓	✓
Orogastric (OG) tube placement				✓	✓

Revised 01/07/2025

<i>Airway and Breathing (cont.)</i>	EMR	EMT	AEMT	Paramedic	Critical Care Endorsement
Oropharyngeal airways	✓	✓	✓	✓	✓
Orotracheal intubation				✓	✓
Oxygen heating equipment application and monitoring		✓	✓	✓	✓
Oxygen humidifier equipment application and monitoring		✓	✓	✓	✓
Oxygen therapy - High-flow nasal cannula				✓	✓
Oxygen therapy - Mouth-to-barrier devices	✓	✓	✓	✓	✓
Oxygen therapy - Nasal cannula	✓	✓	✓	✓	✓
Oxygen therapy - Non-rebreather face mask	✓	✓	✓	✓	✓
Oxygen therapy - Partial rebreather face mask		✓	✓	✓	✓
Oxygen therapy - Venturi face mask		✓	✓	✓	✓
Perform tracheal tube suctioning on endotracheal-intubated patient				✓	✓
Positive end-expiratory pressure (PEEP) (on BVM)		✓	✓	✓	✓
Rapid sequence and drug assisted intubation - Adult				✓	✓
Rapid sequence and drug assisted intubation - Pediatric				✓	✓
Simple (Finger) thoracostomy for traumatic out-of-hospital cardiac arrest				✓	✓
Supraglottic airway laryngopharyngeal tube (SALT)		✓	✓	✓	✓
Thoracostomy tube insertion					✓
Thoracostomy tube monitoring and management				✓	✓
Tracheostomy tube replacement and care				✓	✓
Trans-tracheal jet ventilation/insufflation, which may be used when no other mechanism is available for establishing an airway				✓	✓
Upper airway suctioning - Basic (Soft & rigid)	✓	✓	✓	✓	✓
Ventilators - Variable setting				✓	✓
<i>Assessment</i>	EMR	EMT	AEMT	Paramedic	Critical Care Endorsement
Blood chemistry analysis (Point-of-care)				✓	✓
Blood glucose analysis		✓	✓	✓	✓
Body substance isolation precautions/administration	✓	✓	✓	✓	✓
Body temperature measurement (Esophageal)				✓	✓
Body temperature measurement (Oral, axillary, skin, tympanic)	✓	✓	✓	✓	✓

Revised 01/07/2025

Assessment (cont.)	EMR	EMT	AEMT	Paramedic	Critical Care Endorsement
Body temperature measurement (Rectal)		✓	✓	✓	✓
Carbon monoxide monitoring		✓	✓	✓	✓
Decontamination	✓	✓	✓	✓	✓
ECG acquisition (Any number of leads)		✓	✓	✓	✓
ECG and 12-lead ECG interpretation				✓	✓
Manual and automated blood pressure measurement	✓	✓	✓	✓	✓
Patient care report (PCR) documentation		✓	✓	✓	✓
Prehospital point-of-care ultrasound (FAST, lung exam, IV start, cardiac)				✓	✓
Pulse oximetry	✓	✓	✓	✓	✓
Utilize computer interpretation of 12-lead ECG for transport decision		✓	✓	✓	✓
Vital signs	✓	✓	✓	✓	✓
Medical / Cardiac Care	EMR	EMT	AEMT	Paramedic	Critical Care Endorsement
Assemble and prime IV fluids for AEMT and Paramedic		✓	✓	✓	✓
Assisted childbirth	✓	✓	✓	✓	✓
Assisted complicated delivery		✓	✓	✓	✓
Automated/semi-automated external defibrillation (AED)	✓	✓	✓	✓	✓
Cardiac monitoring device - Electrode placement		✓	✓	✓	✓
Cardiopulmonary resuscitation	✓	✓	✓	✓	✓
Cardioversion				✓	✓
Colostomy, ureterostomy, nephrostomy or Foley catheter maintenance		✓	✓	✓	✓
Enteral tube maintenance				✓	✓
Enteral tube monitoring and management		✓	✓	✓	✓
Foley catheter insertion					✓
Foley catheter maintenance and care		✓	✓	✓	✓
Isolette					✓
Manual defibrillation				✓	✓
Mechanical CPR devices	✓	✓	✓	✓	✓
Monitoring and transport of Impella-type devices					✓

Revised 01/07/2025

<i>Medical / Cardiac Care (cont.)</i>	EMR	EMT	AEMT	Paramedic	Critical Care Endorsement
Monitoring of IABP					✓
Monitoring of Swan-Ganz/pulmonary artery catheter					✓
Transcutaneous cardiac pacing				✓	✓
Transport of patient with LVAD		✓	✓	✓	✓
Transport stable patients with saline locks, heparin locks, Foley catheters or indwelling vascular devices		✓	✓	✓	✓
Transvenous cardiac pacing - Monitoring and maintenance				✓	✓
Vagal maneuvers				✓	✓
<i>Trauma Care</i>	EMR	EMT	AEMT	Paramedic	Critical Care Endorsement
Active cooling	✓	✓	✓	✓	✓
Active warming	✓	✓	✓	✓	✓
Application of heat and cold	✓	✓	✓	✓	✓
Cervical collar	✓	✓	✓	✓	✓
Cervical immobilization devices	✓	✓	✓	✓	✓
Direct pressure	✓	✓	✓	✓	✓
Emergency moves for endangered patients	✓	✓	✓	✓	✓
Escharotomy					✓
Extremity splinting (Rigid, soft, traction, vacuum)	✓	✓	✓	✓	✓
Extremity stabilization and splinting - Manual	✓	✓	✓	✓	✓
Helmet removal	✓	✓	✓	✓	✓
Hemorrhage control - Closure devices		✓	✓	✓	✓
Hemorrhage control - Direct pressure	✓	✓	✓	✓	✓
Hemorrhage control - Hemostatic agents	✓	✓	✓	✓	✓
Hemorrhage control - Pressure point	✓	✓	✓	✓	✓
Hemorrhage control - Tourniquet	✓	✓	✓	✓	✓
Long board	✓	✓	✓	✓	✓
Manual cervical stabilization	✓	✓	✓	✓	✓

Revised 01/07/2025

Trauma Care (cont.)	EMR	EMT	AEMT	Paramedic	Critical Care Endorsement
Mechanical patient restraint		✓	✓	✓	✓
Morgan Lens				✓	✓
Obtain temperature		✓	✓	✓	✓
Ocular irrigation	✓	✓	✓	✓	✓
Pelvic stabilization devices		✓	✓	✓	✓
Rapid extrication	✓	✓	✓	✓	✓
Seated spinal immobilization		✓	✓	✓	✓
Spinal immobilization	✓	✓	✓	✓	✓
Trauma triage determination	✓	✓	✓	✓	✓
Wound care, including wound packing	✓	✓	✓	✓	✓
Medication Administration Routes	EMR	EMT	AEMT	Paramedic	Critical Care Endorsement
Aerosolized/Nebulized/Inhaled		✓	✓	✓	✓
Auto-injector	✓	✓	✓	✓	✓
Buccal		✓	✓	✓	✓
Endotracheal tube (ET)				✓	✓
Intradermal				✓	✓
Intramuscular (IM)		✓	✓	✓	✓
Intranasal (IN)	✓	✓	✓	✓	✓
Intraosseous (IO)			✓	✓	✓
Intravenous (IV)			✓	✓	✓
NG/OG tube				✓	✓
Oral (PO)		✓	✓	✓	✓
Rectal				✓	✓
Subcutaneous (SQ)		✓	✓	✓	✓
Sublingual (SL)		✓	✓	✓	✓
Topical			✓	✓	✓
Transdermal				✓	✓

Revised 01/07/2025

<i>Pharmacological Intervention</i>	EMR	EMT	AEMT	Paramedic	Critical Care Endorsement
Accessing indwelling catheters and implanted central IV port				✓	✓
Administer (Medicated) intravenous fluids				✓	✓
Administer (Non-medicated) intravenous fluids			✓	✓	✓
Administer activated charcoal		✓	✓	✓	✓
Administration and maintenance of blood/blood products				✓	✓
Arterial line - Maintenance					✓
Assist with patient-initiated administration of his/her prescribed medications	✓	✓	✓	✓	✓
Central line - Pulmonary artery catheter maintenance					✓
CNS catheter - Epidural catheter maintenance					✓
CNS catheter - Ventricular catheter maintenance					✓
Distribute medications at the direction of the Kentucky Department of Public Health as a component of an emergency and/or disaster declaration by the Governor of Kentucky or the President of the United States, in a mass medication distribution effort to protect the public health.		✓	✓	✓	✓
External jugular access			✓	✓	✓
Fibrinolytics initiation and monitoring				✓	✓
Glucagon and IV D50 for hypoglycemia			✓	✓	✓
Infusion pump application				✓	✓
Infusion pump monitoring & management of scope-approved meds & fluids			✓	✓	✓
Inhaled beta-agonist for dyspnea and wheezing		✓	✓	✓	✓
Intranasal administration of narcotic antagonist for suspected narcotic overdose	✓	✓	✓	✓	✓
Intraosseous infusion - Adult			✓	✓	✓
Intraosseous infusion - Pediatric			✓	✓	✓
Intraosseous insertion			✓	✓	✓
IV antibiotics for open fracture(s)				✓	✓
IV fluid warming/cooling equipment application and monitoring			✓	✓	✓
IV medication administration bolus			✓	✓	✓
IV medication administration infusion				✓	✓
Maintain during transport any intravenous medication infusions or other procedures which were initiated in a medical facility, if clear and understandable written and verbal instructions for such maintenance have been provided by the physician, NP, or PA at the sending medical facility.				✓	✓

Revised 01/07/2025

<i>Pharmacological Intervention (cont.)</i>	EMR	EMT	AEMT	Paramedic	Critical Care Endorsement
Mark I auto-injector administration	✓	✓	✓	✓	✓
Nitrous oxide for pain relief			✓	✓	✓
Peripheral IV insertion			✓	✓	✓
Prep procedure site with alcohol/betadine		✓	✓	✓	✓
Prepare and administer immunizations for seasonal and pandemic influenza vaccinations according to the CDC Advisory Committee on Immunization Practices (ACIP), and/or the Kentucky State Department of Public Health Officer's recommended immunization guidelines as directed by the agency's <u>supervising physician's standing order.</u>				✓	✓
Prepare and administer immunizations in the event of an outbreak or epidemic as declared by the Governor of Kentucky or the President of the United States, as part of an emergency immunization program, under the agency's supervising physician's standing order.		✓	✓	✓	✓
Provide aspirin for chest pain of suspected ischemic origin		✓	✓	✓	✓
Provide oral glucose for suspected hypoglycemia		✓	✓	✓	✓
Saline lock care and maintenance		✓	✓	✓	✓
Subcutaneous or intramuscular epinephrine for anaphylaxis		✓	✓	✓	✓
Sublingual nitroglycerin for chest pain of ischemic origin			✓	✓	✓
Umbilical vein cannulation				✓	✓
Unit-dose auto-injectors	✓	✓	✓	✓	✓
Venous blood sampling			✓	✓	✓
<i>Prepare and Initiate or Administer the Below Medications</i>	EMR	EMT	AEMT	Paramedic	Critical Care Endorsement
Acetaminophen		✓	✓	✓	✓
Activated Charcoal		✓	✓	✓	✓
Adenosine				✓	✓
Albuterol		✓	✓	✓	✓
Amiodarone Hydrochloride				✓	✓
Amyl Nitrite				✓	✓
Aspirin		✓	✓	✓	✓

Revised 01/07/2025

Prepare and Initiate or Administer the Below Medications (cont.)	EMR	EMT	AEMT	Paramedic	Critical Care Endorsement
Atenolol				✓	✓
Atropine Sulfate				✓	✓
Buprenorphine				✓	✓
Calcium Chloride/Calcium Gluconate				✓	✓
Cefazolin				✓	✓
Combivent		✓	✓	✓	✓
Dexamethasone Sodium Phosphate				✓	✓
Dextrose (D50)			✓	✓	✓
Dextrose solutions (5%, 10%, etc.) in water			✓	✓	✓
Diazepam				✓	✓
Diazoxide				✓	✓
Digoxin				✓	✓
Digoxin Immune Fab (Digibind)				✓	✓
Diltiazem HCL				✓	✓
Diphenhydramine (Benadryl) (See Footnote 2)			✓ ²	✓	✓
Dobutamine					✓
Dopamine				✓	✓
Droperidol (Inapsine)				✓	✓
Epinephrine			✓	✓	✓
Epinephrine for anaphylactic reaction	✓	✓	✓	✓	✓
Epoprostenol (Inhaled)					✓
Epoprostenol (Long-term on stable home dose)				✓	✓
Etomidate				✓	✓
Fentanyl Citrate			✓	✓	✓
Flumazenil (Romazicon)				✓	✓
Fosphenytoin (Cerebyx)				✓	✓
Furosemide				✓	✓
Glucagon			✓	✓	✓
Glucose - Oral		✓	✓	✓	✓
Glycoprotein IIb/IIIa Inhibitors				✓	✓

Revised 01/07/2025

<i>Prepare and Initiate or Administer the Below Medications (cont.)</i>	EMR	EMT	AEMT	Paramedic	Critical Care Endorsement
Haloperidol (Haldol)				✓	✓
Heparin Sodium					✓
Hydromorphone				✓	✓
Hydroxocobalamin				✓	✓
Ibuprofen (OTC for fever and pain)		✓	✓	✓	✓
Insulin					✓
Ipratropium Bromide		✓	✓	✓	✓
Ketamine (analgesic)			✓	✓	✓
Ketamine (sedation)				✓	✓
Ketorolac Tromethamine			✓	✓	✓
Labetolol (Normodyne)				✓	✓
Lactated Ringers			✓	✓	✓
Levalbuterol		✓	✓	✓	✓
Lidocaine for analgesic during IO insertion procedure			✓	✓	✓
Lidocaine HCL 2%				✓	✓
Lorazepam				✓	✓
Lovenox					✓
Magnesium Sulfate				✓	✓
Mannitol 20%				✓	✓
Meperidine (Demerol)				✓	✓
Methylene Blue				✓	✓
Methylprednisone (Solu-Medrol)				✓	✓
Metoprolol (Lopressor)				✓	✓
Midazolam (Versed) (See Footnote 3)			✓ ³	✓	✓
Milrinone					✓
Milrinone (Long-term on stable home dose)				✓	✓
Morphine Sulfate			✓	✓	✓
Nalbuphine Hydrochloride (Nubain)			✓	✓	✓

Revised 01/07/2025

<i>Prepare and Initiate or Administer the Below Medications (cont.)</i>	EMR	EMT	AEMT	Paramedic	Critical Care Endorsement
Naloxone (Narcan)	✓	✓	✓	✓	✓
Nerve Agent Antidotes (Auto-injectors)	✓	✓	✓	✓	✓
Nicardipine (Cardene)					✓
Nitroglycerin (SL)			✓	✓	✓
Nitroglycerin (SL) - If patient is prescribed NTG for chest pain		✓	✓	✓	✓
Nitroglycerin Infusion				✓	✓
Nitropaste			✓	✓	✓
Nitroprusside (Nipride)					✓
Nitrous Oxide			✓	✓	✓
Norepinephrine (Levophed)				✓	✓
Normal Saline (0.9%)			✓	✓	✓
Obidoxime Chloride			✓	✓	✓
Ondansetron			✓	✓	✓
Oxygen	✓	✓	✓	✓	✓
Pancuronium (Pavulon)				✓	✓
Phenobarbitol					✓
Phenylephrine (Neo-Synephrine)				✓	✓
Phenytoin (Dilantin)					✓
Potassium Chloride				✓	✓
Pralidoxime Chloride	✓	✓	✓	✓	✓
Prednisone				✓	✓
Procainamide				✓	✓
Prochlorperazine (Compazine)				✓	✓
Promethazine			✓	✓	✓
Proparacaine				✓	✓
Propofol (Diprivan) (Infusion)				✓	✓
Propranolol (Inderal)				✓	✓
Proventil		✓	✓	✓	✓
Pyridoxine				✓	✓
Reteplase (Retavase)				✓	✓

Revised 01/07/2025

<i>Prepare and Initiate or Administer the Below Medications (cont.)</i>	EMR	EMT	AEMT	Paramedic	Critical Care Endorsement
Rocuronium (Zemuron)				✓	✓
Sodium Bicarbonate 8.4%				✓	✓
Sodium Nitrite				✓	✓
Sodium Thiosulfate				✓	✓
Succinylcholine (Anectine)				✓	✓
Streptokinase				✓	✓
Tenecteplase (TNKase)				✓	✓
Terbutaline				✓	✓
Tetracaine				✓	✓
Thiamine				✓	✓
Tissue Plasminogen Activator (TPA)				✓	✓
Tranexamic Acid				✓	✓
Vasopressin				✓	✓
Vecuronium				✓	✓
Ventolin		✓	✓	✓	✓
Verapamil				✓	✓
<i>Inter-Facility Transport Allowable Medication Classifications of Medications Infusing</i>	EMR	EMT	AEMT	Paramedic	Critical Care Endorsement
Antibiotics				✓	✓
Anticoagulants				✓	✓
Anticonvulsants				✓	✓
Antidiabetics				✓	✓
Antidysrhythmics				✓	✓
Antihypertensives				✓	✓
Antipsychotics				✓	✓
Cardiac Glycosides				✓	✓
Corticosteroids				✓	✓

Revised 01/07/2025

<i>Inter-Facility Transport Allowable Medication Classifications of Medications Infusing (cont.)</i>	EMR	EMT	AEMT	Paramedic	Critical Care Endorsement
Gastrointestinal Agents (Including H2 blockers, PPIs, antiemetics, and somatostatin or its analogues)				✓	✓
Inhaled beta-agonists and anticholinergics		✓	✓	✓	✓
IV fluid (Saline, LR, Normosol, PlasmaLyte, etc.)			✓	✓	✓
IV fluid w/additives (Including Potassium, Dextran, Albumin, and Hetastarch)				✓	✓
Opioids (IV)			✓	✓	✓
OTC medications (Other than pain/fever)				✓	✓
Oxytocin				✓	✓
Parenteral nutrition and vitamins				✓	✓
Platelet Aggregation Inhibitors (Including IIb/IIIa inhibitors)				✓	✓
Respiratory Medications (Mucolytics and steroids)				✓	✓
Sedatives (Benzodiazepines and barbiturates)				✓	✓
Vasoactive Agents (Antihypertensives, pressors/sympathomimetics)				✓	✓
<i>Footnotes</i>					
Footnote 1: Automatic Transport Ventilator (ATV) Is defined as a ventilator that does not allow the user to change settings other than initial selection of patient size for determination of ventilation parameters.					
Footnote 2: Diphenhydramine (Benadryl) AEMTs may only administer diphenhydramine for allergic reactions/anaphylaxis.					
Footnote 3: Midazolam (Versed) AEMTs may only administer midazolam for active seizures.					

Revised 01/07/2025