**Illinois EMSC  
Facility Recognition**

**Pediatric Equipment Requirements for Emergency Departments**

**Section 515.APPENDIX L Pediatric Equipment Requirements for Emergency Departments**

The following list identifies pediatric equipment items that are recommended for the two emergency department facility recognition levels. Equipment items are classified as "essential" (E) and "need to be stocked in the emergency department" (ED).

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Monitoring Devices** | **EDAP** | **Check if present in EDAP** | **SEDP** | **Check if present in SEDP** |
| Blood glucose measurement device (i.e., chemistry strip or glucometer) | E (ED) |  | E (ED) |  |
| Continuous end-tidal PCO2 monitor and pediatric CO2 colorimetric detector (disposable units may be substituted) | E (ED) |  | E (ED) |  |
| Doppler ultrasound blood pressure device (neonatal-adult thigh cuffs) | E (ED) |  | E (ED) |  |
| ECG monitor-defibrillator/cardioverter with pediatric and adult sized paddles, with pediatric dosage settings and pediatric-adult pacing electrodes | E (ED) |  | E (ED) |  |
| Hypothermia thermometer (Note: with a range of 28-42°C) | E (ED) |  | E (ED) |  |
| Pediatric monitor electrodes | E (ED) |  | E (ED) |  |
| Otoscope/ophthalmoscope/stethoscope | E (ED) |  | E (ED) |  |
| Pulse oximeter with pediatric and adult probes | E (ED) |  | E (ED) |  |
| Sphygmomanometer with cuffs (neonatal-adult thigh) | E (ED) |  | E (ED) |  |
| **Vascular Access Supplies and Equipment** | **EDAP** | **Check if present in EDAP** | **SEDP** | **Check if present in SEDP** |
| Arm boards (sized infant through adult) | E (ED) |  | E (ED) |  |
| Blood gas kits | E (ED) |  | E (ED) |  |
| Butterfly-type needles (19-25 g)\* | E (ED) |  | E (ED) |  |
| Catheter-over-needle devices (16-24 g)\* | E (ED) |  | E (ED) |  |
| Central venous catheters (stock one small and one large size) | E (ED) |  | E (ED) |  |
| Infusion pumps, syringe pumps, or devices with microinfusion capability using appropriate tubing & connectors | E (ED) |  | E (ED) |  |
| Intraosseous needles or bone marrow needles (13-18 g size range; stock one large/one small bore) or IO device (pediatric and adult sizes) | E (ED) |  | E (ED) |  |
| IV extension tubing, stopcocks, and T-connectors | E (ED) |  | E (ED) |  |
| IV fluid/blood warmer | E (ED) |  | E (ED) |  |
| IV solutions: standard crystalloid and colloid solutions (D10W, D5/.2 NS, D5/.45 NS, D5/.9 NS and 0.9 NS) | E (ED) |  | E (ED) |  |
| Syringes (1ml through 20 ml) | E (ED) |  | E (ED) |  |
| Tourniquets | E (ED) |  | E (ED) |  |
| Umbilical vein catheters (3.5 and 5 Fr; the same size feeding tube may be used for 5 Fr)\* | E (ED) |  | E (ED) |  |
| **Respiratory Equipment and Supplies** | **EDAP** | **Check if present in EDAP** | **SEDP** | **Check if present in SEDP** |
| Bag-valve-mask device, self-inflating infant/child and adult (1000 ml) with O2 reservoir and clear masks (neonatal through large adult sizes)\*; PEEP valve | E (ED) |  | E (ED) |  |
| Manometer | E (ED) |  | E (ED) |  |
| Bulb syringe | E (ED) |  | E (ED) |  |
| Endotracheal tubes:\* |  |  |  |  |
| Cuffed or Uncuffed (sizes 2.5, 3.0, 3.5, 4.0, 4.5, 5.0, 5.5, 6.0, 6.5, 7.0, 7.5, and 8.0) | E (ED) |  | E (ED) |  |
| Stylets for endotracheal tubes (pediatric and adult) | E (ED) |  | E (ED) |  |
| Laryngoscope handle (pediatric and adult) | E (ED) |  | E (ED) |  |
| Laryngoscope blades (curved 2, 3; straight or Miller 0, 1, 2, 3)\* | E (ED) |  | E (ED) |  |
| Magill forceps (pediatric and adult) | E (ED) |  | E (ED) |  |
| Meconium aspirator | E (ED) |  | E (ED) |  |
| Nasopharyngeal airways (sizes 14, 16, 20, 24, 28, 30 Fr)\* | E (ED) |  | E (ED) |  |
| Nebulized medication, administration set with pediatric and adult masks | E (ED) |  | E (ED) |  |
| Oral airways (sizes 0, 1, 2, 3, 4, 5 or size 50 mm, 60 mm, 70 mm, 80 mm, 90 mm, 100 mm)\* | E (ED) |  | E (ED) |  |
| Oxygen delivery device with flow meter and tubing | E (ED) |  | E (ED) |  |
| Oxygen delivery adjuncts: |  |  |  |  |
| Tracheostomy collar | E (ED) |  | E (ED) |  |
| Standard masks, clear (pediatric and adult sizes) | E (ED) |  | E (ED) |  |
| Partial non-rebreather or non-rebreather masks, clear (pediatric and adult sizes) | E (ED) |  | E (ED) |  |
| Nasal cannula (infant, pediatric and adult) | E (ED) |  | E (ED) |  |

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| Peak flow meter | E (ED) |  | E (ED) |  |
| Supplies/kit for patients with difficult airway conditions:  • LMA (sizes 1, 1.5, 2, 2.5, 3, 4 and 5); or  • Cricothyrotomy kit or cricothyrotomy capabilities (i.e., 10 g needle and 3 mm ET tube adapter or 14 g needle and 3.5 mm ET tube adapter) | E (ED) |  | E (ED) |  |
| Suction capability (wall) | E (ED) |  | E (ED) |  |
| Suction capability (portable) | E (ED) |  | E (ED) |  |
| Suction catheters (sizes 5/6, 8, 10, 12, 14, 16, 18 Fr and Yankauer-tip catheter)\* | E (ED) |  | E (ED) |  |
| Tracheostomy tubes (sizes PED\* 3.0, 3.5, 4.0, 4.5, 5.0, 5.5)\* (correspond to PT 00, 0, 1, 2, 3, 4, in old schematization) | E (ED) |  | --- |  |
| Tube thoracostomy tray and water seal drainage capacity with chest tubes (sizes 12-32 Fr)\* | E (ED) |  | --- |  |
| **Medications (unit dose, prepackaged)** | **EDAP** | **Check if present in EDAP** | **SEDP** | **Check if present in SEDP** |
| Access to the Illinois Poison Center 1-800-222-1222 through posting of phone number in ED | E (ED) |  | E (ED) |  |
| Activated charcoal (consider with and without Sorbitol) | E (ED) |  | E (ED) |  |
| Adenosine | E (ED) |  | E (ED) |  |
| Amiodarone | E (ED) |  | E (ED) |  |
| Antiemetics | E (ED) |  | E (ED) |  |
| Antimicrobial agents (parenteral and oral) | E (ED) |  | E (ED) |  |
| Antipyretics | E (ED) |  | E (ED) |  |
| Atropine | E (ED) |  | E (ED) |  |
| Barbiturates, e.g., Phenobarbital, Pentobarbital | E (ED) |  | E (ED) |  |
| Benzodiazepines, e.g., Lorazepam, Midazolam, Diazepam | E (ED) |  | E (ED) |  |
| Beta agonist for inhalation (Albuterol, Levalbuterol) | E (ED) |  | E (ED) |  |
| Beta blockers, e.g., Propranolol, Metoprolol | E (ED) |  | E (ED) |  |
| Calcium (chloride or gluconate) | E (ED) |  | E (ED) |  |
| Corticosteroids, e.g., Dexamethasone, Hydrocortisone, Methylprednisolone | E (ED) |  | E (ED) |  |
| Dextrose (25% and 50%) | E (ED) |  | E (ED) |  |
| Diphenhydramine | E (ED) |  | E (ED) |  |
| Dobutamine | E (ED) |  | --- |  |
| Dopamine | E (ED) |  | --- |  |
| Epinephrine (1:1,000 and 1:10,000) | E (ED) |  | E (ED) |  |
| Epinephrine (Racemic) | E (ED) |  | E (ED) |  |
| Fosphenytoin and/or Phenytoin | E (ED) |  | E (ED) |  |
| Furosemide | E (ED) |  | E (ED) |  |
| Glucagon or Glucose Paste | E (ED) |  | E (ED) |  |
| Insulin, regular | E (ED) |  | E (ED) |  |
| Lidocaine 1% | E (ED) |  | E (ED) |  |
| Magnesium Sulfate | E (ED) |  | E (ED) |  |
| Mannitol | E (ED) |  | E (ED) |  |
| Narcotics | E (ED) |  | E (ED) |  |
| Neuromuscular blocking agents (i.e., succinylcholine, rocuronium, vecuronium) | E (ED) |  | E (ED) |  |
| Ocular anesthetics | E (ED) |  | E (ED) |  |
| Poison Specific Antidotes |  |  |  |  |
| Acetylcysteine | E (ED) |  | E (ED) |  |
| Cyanide Antidote | E (ED) |  | E (ED) |  |
| Flumazenil | E (ED) |  | E (ED) |  |
| Naloxone | E (ED) |  | E (ED) |  |
| Sodium bicarbonate – 8.4% and 4.2% | E (ED) |  | E (ED) |  |
| Sedative/Hypnotic (e.g., Ketamine, Etomidate) | E (ED) |  | E (ED) |  |
| Tetanus Immune Globulin (Human) | E (ED) |  | E (ED) |  |
| Tetanus Vaccines (single or in combination with other vaccines) | E (ED) |  | E (ED) |  |
| Topical Anesthetics | E (ED) |  | E (ED) |  |
| **Miscellaneous Equipment** | **EDAP** | **Check if present in EDAP** | **SEDP** | **Check if present in SEDP** |
| Dosing device – length or weight based system for dosing and equipment | E (ED) |  | E (ED) |  |
| Dosing/equipment chart by weight | E (ED) |  | E (ED) |  |
| EMS communication equipment (i.e., telemetry, MERCI, cellular or dedicated phone) | E (ED) |  | E (ED) |  |
| Examination gloves, disposable | E (ED) |  | E (ED) |  |
| Fluorescein (eye strips) | E (ED) |  | E (ED) |  |
| Infant formulas, dextrose in water with various nipple sizes | E (ED) |  | E (ED) |  |
| Lubricant, water soluble | E (ED) |  | E (ED) |  |
| Nasogastric tubes 8 through-18 Fr\* (may substitute feeding tubes 5F and 8F) | E (ED) |  | E (ED) |  |
| Oral rehydrating solution | E (ED) |  | E (ED) |  |
| Pain scale assessment tools appropriate for age | E (ED) |  | E (ED) |  |
| Pediatric emergency/crash cart or bag with defined list of contents attached to bag/cart | E (ED) |  | E (ED) |  |
| Restraining device, pediatric (papoose) | E (ED) |  | E (ED) |  |
| Resuscitation board | E (ED) |  | E (ED) |  |
| Urinary catheters (8-22 Fr)\* | E (ED) |  | E (ED) |  |
| Warming devices, age appropriate | E (ED) |  | E (ED) |  |
| Weighing scales (in kilograms only) for infant and children | E (ED) |  | E (ED) |  |
| Woods lamp (blue light) | E (ED) |  | E (ED) |  |
| **Specialized Pediatric Trays** | **EDAP** | **Check if present in EDAP** | **SEDP** | **Check if present in SEDP** |
| Initial newborn resuscitation equipment (can include warming device, feeding tubes, neonatal mask) | E (ED) |  | E (ED) |  |
| Lumbar puncture tray, including a selection of needle sizes (size 18-22 g, 1½ -3 inch needle) | E (ED) |  | E (ED) |  |
| Minor surgical instruments and sutures | E (ED) |  | E (ED) |  |
| Newborn kit/OB kit (including umbilical clamp, bulb syringe, towel) | E (ED) |  | E (ED) |  |
| **Fracture Management Devices** | **EDAP** | **Check if present in EDAP** | **SEDP** | **Check if present in SEDP** |
| Extremity splints | E (ED) |  | E (ED) |  |
| Femur splint (child and adult) | E (ED) |  | E (ED) |  |
| Semi-rigid neck collars (child through adult) or cervical immobilization equipment suitable for children | E (ED) |  | E (ED) |  |
| Spinal immobilization board (child and adult) | E (ED) |  | E (ED) |  |

\* Shall minimally stock a range of each commonly available size noted or comparable sizes.

(Source: Amended at 40 Ill. Reg. 8274, effective June 3, 2016)

**NOTE: LATEX-FREE SUPPLIES SHOULD BE AVAILABLE WHENEVER POSSIBLE (Refer to EMS System Latex-Free policy)**