



Pediatric Readiness in the Emergency Department: Policy Statement

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Policy Statement

Organizational Principles to Guide and Define the Child Health Care System and/or Improve the Health of All Children

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This is a revision of the previous joint policy statement titled “Pediatric Readiness in the Emergency Department.” This is a joint policy statement from the American Academy of Pediatrics, the American College of Emergency Physicians, the American College of Surgeons, and the Emergency Nurses Association. These updated recommendations are intended to serve as a resource for clinical and administrative leadership of emergency departments as they strive to improve their readiness for the emergency care of children of all ages. [Ann Emerg Med. 2026;87:e11-e24.]

ABBREVIATIONS: ED: emergency department; EMS: emergency medical services; EMSC: Emergency Medical Services for Children (program); IOM: Institute of Medicine; NPRP: National Pediatric Readiness Project; PECC: pediatric emergency care coordinator; PI: performance improvement., QI: quality improvement.

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INTRODUCTION

[Ann Emerg Med. 2026;87:e11-e24.]

To meet the immediate physiologic, anatomic, psychological, and developmental needs of children and adolescents, emergency departments (EDs) must maintain appropriate resources, including pediatric-specific equipment and supplies, policies and procedures, competencies for staff, patient safety protocols, continuous quality improvement efforts, and oversight of all administrative aspects of pediatric emergency care. The sum of these elements is termed “pediatric readiness” and represents the foundational infrastructure needed to stabilize and/or resuscitate critically ill

or injured children in the ED.¹⁻³ The ED is a central health care access point for over 30 million children and families.⁴ More than 80% of these visits occur in community hospital EDs, most seeing fewer than 10 children per day.^{5,6} Outcomes, including survival, for children who seek emergency care are contingent on the availability of these critical and foundational resources. High levels of pediatric readiness are linked to a 76% and 60% decrease in mortality risk for critically ill and injured children, respectively.⁷⁻⁹ Pediatric readiness also serves as a framework for ensuring equity in pediatric emergency care based on its association with a threefold reduction in disparities for mortality risk.¹⁰ This policy statement describes the components of pediatric

readiness that lead to improved outcomes in critically ill or injured children and are considered the basis for pediatric readiness verification standards.

These recommendations are intended for all EDs that provide care for children, including freestanding EDs, rural emergency hospitals, critical access hospitals, and low-volume EDs. The accompanying “Pediatric Readiness in the Emergency Department: Technical Report” provides additional background and resources to support pediatric readiness efforts.¹¹

RECOMMENDATIONS

To promote the infrastructure to support immediate stabilization, resuscitation, and high-quality emergency care for children, the American Academy of Pediatrics, American College of Emergency Physicians, Emergency Nurses Association, and American College of Surgeons believe that all EDs can do the following.

ADMINISTRATION AND COORDINATION

- Appoint a physician and a nurse as pediatric emergency care coordinators (PECCs) to promote adequate pediatric skills and knowledge of ED staff, develop and maintain pediatric policies and procedures, oversee pediatric quality improvement efforts, familiarize staff with pediatric equipment, supplies, and other aspects of pediatric care, liaise with appropriate quality committees within the hospital and trauma system, and oversee all administrative aspects of pediatric readiness.^{5,6,12}

Pediatric Competencies for Clinical Staff

- Facilitate baseline and periodic pediatric competency evaluations for all ED staff including neonates, infants, children, adolescents, and children with special health care needs (eg, technology dependence, chronic conditions, and/or medical complexity) that span all phases of ED care (triage, assessment, resuscitation, diagnostics, interventions, and appropriate disposition and follow-up).¹³
- At minimum, the ED medical director has at least 1 physician on staff who is a board-certified emergency medicine or pediatric emergency medicine physician.⁵
- Promote multidisciplinary education among ED staff that incorporates procedural, affective, and cognitive skills in the child’s care.

Pediatric Equipment and Supplies

- Have immediately available pediatric equipment and supplies (eg, pediatric resuscitation cart) to assess,

treat, resuscitate, and stabilize children and adolescents with diverse clinical presentations. See [Table 1](#).

- Keep a portable pediatric resuscitation cart immediately available in the ED and organized to facilitate rapid identification of age- or weight-based, appropriately sized equipment.
- Have a daily method to verify the proper location and function of pediatric equipment and supplies including restocking as needed.

Pediatric Patient Safety

- Adopt a triage system that is validated for the pediatric patient to identify pediatric patients at risk for clinical deterioration.¹⁴
- Implement practices to reduce adverse medical events and medication dosing errors, including weighing and recording in kilograms only.¹⁵
- Adopt tools that decrease the cognitive load with pediatric dosing such as precalculated point-of-care dosing guides for children of all weight categories, computerized physician order entry that integrates upper dosing limits, and a standardized formulary for high-risk and commonly used pediatric medications.¹⁶
- Promote a culture of safety surrounding pediatric medications, which includes implementing an independent, 2-clinician crosscheck process and family engagement for high-alert medications.¹⁶

Pediatric Policies, Procedures, and Protocols

- Incorporate evidence-based policies and protocols for screening and treating children with mental or behavioral health emergencies.¹⁷⁻¹⁹ See [Table 2](#).
- Incorporate evidence-based clinical pathways and algorithms (when available) to guide comprehensive emergency care for children of all ages in real time. See [Table 2](#).
- Standardize care for common presentations to overcome implicit bias, language, and cultural barriers and promote cultural competency for clinicians.²⁰
- Adopt clinical practice guidelines and decision support tools for common pediatric conditions, including bronchiolitis, asthma, sepsis, fever in the infant, head trauma, seizure evaluation and management, and appendicitis.²¹⁻³¹
- Have social workers and/or case managers available, either in person or via telehealth, to address access to care and referral to community pediatric resources when needed.
- Make readily available the contact information for regional poison control centers and/or toxicology experts to facilitate emergent consultation, when needed.

Table 1. Pediatric Readiness Checklist for Emergency Departments (also see [Appendix E1](#), available at <http://www.annemergmed.com> for printable version)

ADMINISTRATION AND COORDINATION

- Physician Pediatric Emergency Care Coordinator (PECC)^a
 - Board certified/eligible in EM or PEM (preferred but not required)
 - If not board certified in EM or PEM, meets qualifications for credentialing by the hospital as an emergency clinician specialist with special training and experience in the evaluation and management of the critically ill/injured child.
 - This role may be shared with an advanced practice provider who is credentialed to care for patients in the ED.
- Nurse Pediatric Emergency Care Coordinator (PECC)
 - Have special interest, knowledge and skill in the emergency nursing care of children.
 - Certified Emergency Nurse (CEN)/Certified Pediatric Emergency Nurse (CPEN) (desired)
 - Other credentials (CPN, CCRN)

COMPETENCIES FOR PHYSICIANS, ADVANCED PRACTICE PROVIDERS, NURSES, AND OTHER ED HEALTH CARE CLINICIANS

- Healthcare providers who staff the ED have baseline and interval updates of skills and procedures to maintain pediatric competencies. Continuing education may be used to fulfill certain competencies but interval updates of skills and procedures is strongly encouraged.
- Areas of pediatric competencies and professional performance evaluations may include but are not limited to:
 - Assessment and treatment (eg, triage, illness and injury, pain, mental/behavioral health emergencies)
 - Medication administration and delivery
 - Device/equipment safety (eg, low-volume infusion pumps)
 - Critical procedures
 - Resuscitation (neonatal and pediatric)
 - Trauma resuscitation and stabilization
 - Patient- and family-centered care
 - Team training and effective communication

QUALITY IMPROVEMENT/PERFORMANCE IMPROVEMENT

- A defined QI/PI plan that includes chart review of all pediatric deaths and pediatric-specific indicators (please see the guidelines/toolkit for additional details)
 - Data are collected and analyzed
 - Process improvement strategies are implemented
 - System changes are implemented based on performance
 - Performance is monitored over time

POLICIES, PROCEDURES, AND PROTOCOLS

- Policies, procedures, and protocols for the emergency care of children. (These policies may be integrated into overall ED policies as long as pediatric-specific issues are addressed.)
- Illness and injury triage
- Assessment and reassessment including a complete set of vital signs and frequency of reassessment that also includes:
 - Documentation of full set vital signs
 - Weight in kilograms
 - Identification and notification of the responsible clinician of abnormal vital signs and/or assessment
- Sedation and analgesia for procedures, including medical imaging
- Pediatric transfusion
- Consent of minors, including when a caregiver is unavailable
- Management of caregivers who exhibit verbal or physical abuse toward ED staff
- Assuming temporary protective custody of a child
- Social issues, including food insecurity and home safety
- Pediatric behavioral health, including substance abuse disorders
- Care of child with agitation including pharmacologic management and physical restraint
- Trauma-informed care
- Suicide screening and management
- Child maltreatment assessment and mandated reporting
- Reduced dose radiation for imaging
- Death of the child in the ED
- Family-centered care
 - Involve caregiver in patient care decision making and medication safety processes
 - Caregiver presence during all aspects of emergency care, including resuscitation
 - Caregiver education
 - Discharge planning and education
 - Bereavement counseling

Table 1. Continued.

<ul style="list-style-type: none"> • Communication with patient's medical home or primary caregiver • Do-not-resuscitate orders • Children with medical complexity (coordination of care) • Immunization assessment and management • Telehealth/telemedicine for subspecialty consults • Human trafficking screening and management • Written interfacility transfer agreements and guidelines that include but not limited to the following pediatric components: <ul style="list-style-type: none"> ◦ Defined process for initiation of transfer ◦ Criteria for transfers (eg, specialty services) ◦ Process for selecting the appropriate facility ◦ Criteria for selection of appropriate transport service ◦ Plan for transfer^b • Standardized clinical pathways, order sets or decision support available to providers in real time
<p>PATIENT AND MEDICATION SAFETY</p> <ul style="list-style-type: none"> • Pediatric patient and medication safety needs are addressed in the following ways: <ul style="list-style-type: none"> ◦ Weigh in kilograms only ◦ Record weights in kilograms only ◦ For children who require emergency stabilization, a standard method for estimating weight in kilograms is used (eg, a length-based system) ◦ Obtain and record a full set of vital signs including pain and mental status ◦ End-tidal CO₂ monitoring for sedation and critical illness/injury ◦ Processes for safe medication delivery that includes prescribing, administration, and disposal ◦ Promote an environment that is culturally and linguistically appropriate that supports family-centered care ◦ Verifying patient identification ◦ Timely tracking, reporting, and evaluation of patient safety events
<p>Support Services</p> <ul style="list-style-type: none"> • Evidenced-based imaging and laboratory testing policies and guidelines (eg, Choosing Wisely^c) <ul style="list-style-type: none"> ◦ Medical imaging capabilities and protocols address age- or weight-appropriate dose reductions for children ◦ The laboratory has the skills, personnel, and capability to perform laboratory tests for children of all ages, including obtaining samples and the availability of micro technique for small sample size • All efforts made to transfer completed images and laboratory results when a patient is transferred from one facility to another • Collaboration with other ED support services to meet the needs of children in the community • Personnel capable of providing supportive, family-centered, trauma-informed care including specially trained social workers, nurses, chaplains, mental health professionals, or child life specialists
<p>DISASTER^d</p> <ul style="list-style-type: none"> • The written all-hazard disaster-preparedness plan addresses pediatric-specific needs, including: <ul style="list-style-type: none"> ◦ Triage of pediatric patients ◦ Decontamination, isolation, and quarantine of families and children of all ages ◦ Medications, vaccines, equipment, supplies, and trained providers for children in disasters ◦ Pediatric surge capacity for injured and noninjured children ◦ Minimization of parent-child separation ◦ Tracking, identification of unaccompanied children ◦ Reunification for children and families ◦ Access to specific behavioral health therapies and social services for children ◦ Care of children with special health care needs ◦ Disaster drills include a pediatric mass casualty incident at least every 2 years and drills include pediatric patients
<p>EQUIPMENT, SUPPLIES, MEDICATIONS</p> <ul style="list-style-type: none"> • Pediatric-Specific Considerations for Medications <ul style="list-style-type: none"> ◦ Anesthetics/topical (eg, EMLA [eutectic mixture of local anesthetics], lidocaine 2.5% and prilocaine 2.5%, LET [lidocaine, epinephrine, and tetracaine], L.M.X. 4 [4% lidocaine]) ◦ Dextrose (D10) ◦ Oral glucose or sucrose solutions for pain control in infants ◦ Vaccines ◦ Oral suspensions of medications administered orally • General Equipment <ul style="list-style-type: none"> ◦ Patient warming device (including for newborn infants) ◦ IV blood/fluid warmer ◦ Restraint device ◦ Weight scale, in kilograms only (no opportunity to weigh or report in pounds), for infants and children

Table 1. Continued.

<ul style="list-style-type: none"> o Standardized chart or tool to estimate weight if resuscitation precludes the use of weight scale (eg, length-based tape) o Tool or chart that relies on weight (kg) to determine equipment size and correct drug dosing (by weight and total volume) o Pain scale assessment tools that are age/developmentally appropriate o Rigid boards for use in CPR o Pediatric-specific AED pads • Monitoring Equipment <ul style="list-style-type: none"> o Blood pressure cuffs (neonatal, infant, child, adult arm, and thigh) o Doppler ultrasonography devices o ECG monitor/defibrillator with pediatric and adult capabilities, including pediatric-sized pads/paddles o Pulse oximeter with neonatal, pediatric, and adult probes o Continuous end-tidal CO₂ monitoring for children of all ages • Respiratory <ul style="list-style-type: none"> o Endotracheal tubes: <ul style="list-style-type: none"> - uncuffed: 2.5, 3.0, 3.5 mm - cuffed: 3.5, 4.0, 4.5, 5.0, 5.5, 6.0, mm o Feeding tubes (5F, 8F) o Laryngoscope blades (curved: 2, 3; straight: 0, 1, 2, 3) o Supraglottic airway devices (eg, i-Gel or laryngeal mask airway [LMA], size 1, 1.5, 2, 2.5) o Laryngoscope handle o Pediatric Magill forceps o Nasopharyngeal airways (neonatal, infant, and child) o Oropharyngeal airways (infant and child, sizes 0-3) o Stylets for endotracheal tubes (pediatric) o Suction catheters (infant 6-8F and child 10-12F) o Rigid suction device o Bag-mask device (manual resuscitator), self-inflating (infant, child, and adult sizes) o Masks to fit bag-mask device adaptor (preterm, neonatal, infant, child, and adult sizes) o Simple oxygen masks (standard and nonrebreather) for an infant, child, and adult o Nasal cannula (infant, child, and adult) o Gastric tubes: infant (8F) and child (10F) • Vascular Access <ul style="list-style-type: none"> o Arm boards (infant, child, and adult sizes) o Atomizer for intranasal administration of medication o Catheter over the needle device (14- to 24-gauge) o Intraosseous needles or device (neonatal, pediatric, and adult sizes) o IV administration sets with calibrated chambers and extension tubing and/or infusion devices with ability to regulate rate and volume of infusate (including low volumes) o IV solutions to include: NS; D5 0.9% NS, D5 0.45% NS; lactated Ringer, and D10W • Fracture Management <ul style="list-style-type: none"> o Extremity splints, including femur splints (pediatric and adult sizes) o Cervical collars (infant, child, and adult sizes) • Specialized Pediatric Trays or Kits <ul style="list-style-type: none"> o Difficult airway supplies/kit o Newborn delivery kit o Urinary catheterization kits and urinary (indwelling) catheters (infant and child) o Hemorrhage control kits, including pediatric-sized tourniquets
<p>ADDITIONAL CONSIDERATIONS</p> <ul style="list-style-type: none"> • Alprostadil (prostaglandin E1) • Central venous catheters (4.0F-7.0F) • Chest tubes to include infant, child, and adult sizes (infant: 8F-12F; child: 14F-22F; adult: 24F-40F) or pigtail catheter kit (8.5F-14F) • Thermometer with low temperature capabilities • Inotropic agents (eg, digoxin, milrinone) • Laryngoscope blade size 00 • Lumbar puncture tray including infant (22 gauge, 1.5") and pediatric (22 gauge, 2.5") sized spinal needles • Noninvasive ventilation (continuous positive airway pressure or high-flow nasal cannula) • Salem sump nasogastric tube (6F-16F) • Self-inflating bag-mask device, pediatric size

Table 1. Continued.

- Tube thoracostomy tray
- Tracheostomy tubes (tube sizes 3.5 mm-5.5 mm)
- Umbilical vein catheters (3.5F and 5.0F)
- Video laryngoscopy

^aThe Physician and Nurse PECC work collaboratively on pediatric readiness initiatives. See the technical report for detailed roles and responsibilities.

^b<https://emscimprovement.center/education-and-resources/interfacility-transfer/>

^cThe Choosing Wisely Initiative can be found at <https://www.choosingwisely.org/>

^d<https://emscimprovement.center/domains/preparedness/disaster-plan-prepare/disaster-checklist/>

- Obtain a full set of vital signs on all children, pain and mental status reassessments at appropriate intervals based on facility policy, and repeat vital signs for all children who are admitted, discharged, and/or transferred. Metric units are preferred for all patient measurements (eg, height, length, head circumference), when clinically indicated by the treating clinician.
- Promote patient- and family-centered care that encompasses communication practices, informed consent, medical decision making, bereavement, and support for cultural and faith-based customs and practices.³²
- Develop and maintain 1) policies for interfacility transfer of children that adhere to standardized criteria based on locally available resources; and 2) decision support to guide the selection of the most appropriately staffed transport service and capable pediatric receiving center.^{33,34}

Table 2. Recommended Policies, Protocols, and Clinical Pathways for Pediatric Emergency Care

Pediatric triage for illness and injury ¹⁴
Pediatric patient assessment and reassessment, including complete set of vital signs and frequency of reassessment ²⁶
Documentation of a full set of vital signs, including weight in kilograms, core temperature, respiratory rate, pulse oximetry, heart rate, blood pressure (including manual confirmation), pain, and mental status, when indicated ²¹⁻³¹
Identification and notification of the responsible provider for abnormal vital signs (age appropriate) ^{25,26}
Pediatric sedation and analgesia ^{41,42}
Pediatric transfusion procedure ⁴³⁻⁴⁶
Consent of minors (including when the caregiver is unavailable) ⁴⁷
Management of caregivers who exhibit verbal or physical abuse to staff ⁴⁸
Assuming temporary protective custody of a child ⁴⁷
Pediatric social issues including food insecurity, housing instability, and home safety ⁴⁹
Approach and management of a child with agitation ^{19,50}
Suicide screening and management ⁵¹
Child maltreatment assessment and mandated reporting ⁵²
Reduced dose radiation for pediatric imaging ³⁸
Death of a child in the ED ^{53,54}
Family-centered care (including medical decision making, presence during resuscitation, discharge planning, education, and bereavement) ^{55,56}
Communication with the medical home ^{57,58}
Lack of a medical home ^{57,58}
Do-not-resuscitate orders ⁵⁹
Children with medical complexity (including developmental disabilities and medical dependency) that includes coordination of care with subspecialists and adjustment of care plans as needed ⁵⁷
Immunization assessment and management ^{60,61}
All-hazard disaster preparedness plan includes pediatric-specific needs, including (equipment and supplies, pediatric surge capacity, triage and decontamination, behavioral health during disasters, pediatric patients in drills, and reunification) ³⁵
Pediatric telehealth/telemedicine for subspecialty consultation ^{62,63}
Human trafficking screening and management ^{64,65}
Interfacility transfer guidelines ³³

Table 3. Recommended Quality Measures for Pediatric Emergency Care.⁶⁶⁻⁷⁰

Clinical Area of Focus	Phase of Care	Directionality	Quality Measure
Patient assessment and reassessment	Assessment	Increase	Percentage of pediatric patients with weight documented in kilograms only
		Increase	Percentage of pediatric patients with pain assessed
		Increase	Percentage of pediatric patients with vital signs reassessed
	Intervention	Decrease	Median time from collection of first set of vital signs to first intervention (eg, oxygen, medication)
Interfacility transfer	Disposition	Decrease	ED length of stay (ED arrival to discharge ^a)
		Increase	Percentage of transferred pediatric patients who met the site-specific criteria for transfers
Blunt head trauma	Assessment	Decrease	Time from arrival to transport
		Increase	Percentage of pediatric patients with a full set ^b of vital signs obtained.
	Diagnostics	Increase	Percentage of pediatric patients with a Glasgow Coma Scale reassessment
		Increase	Percentage of patients with a head CT that met evidence-based criteria ^c
Seizures	Intervention	Decrease	Percentage of pediatric patients who received inappropriate hypotonic fluids
		Increase	Percentage of pediatric patients with a neurologic reassessment
	Diagnostics	Increase	Percentage of pediatric patients who received at least one additional class of antiepileptics (for patients requiring ≥ 2 doses of benzodiazepines)
		Decrease	Percentage of pediatric patients who underwent invasive diagnostic assessments: blood glucose, blood work, urinalysis, lumbar puncture, and head CT
Respiratory	Intervention	Increase	Percentage of pediatric patients with asthma or croup that received a steroid
		Decrease	Median time to steroids in patients diagnosed with asthma or croup (ED arrival to steroid administration)
		Increase	Percentage of pediatric patients ≥ 2 years with a diagnosis of asthma that received a beta agonist
		Decrease	Median time to beta agonist administration in patients ≥ 2 years with a diagnosis of asthma (ED arrival to beta agonist administration)
	Diagnostics	Decrease	Percentage of patients who received an antibiotic
		Decrease	Percentage of patients who underwent unnecessary chest radiography
Vomiting and dehydration	Intervention	Increase	Percentage of pediatric patients who received an antiemetic
		Decrease	Time to first antiemetic (ED arrival to antiemetic administration)
		Increase	Percentage of patients who received oral rehydration
Mental health	Assessment	Increase	Percentage of patients who had a structured suicide screen
		Increase	Percentage of patients with a positive suicide screen who had a structured suicide assessment
	Intervention	Increase	Percentage of patients with a positive suicide screen who had a consultation with a licensed mental health professional
		Increase	Percentage of patients with a positive suicide screen who received a discharge safety plan

^aFor purposes of standardization, discharge is defined to be the moment of physical departure from the ED.

^bIncludes temperature, heart rate, respiratory rate, blood pressure, pulse oximetry, mental status, and pain assessment.

^cOne example is the Pediatric Emergency Care Applied Research Network Head CT Rules.³⁴

- Collaborate with hospital and local emergency management personnel to promote disaster drills that include pediatric victims, minimize parent-child separation during decontamination, track and identify unaccompanied children, facilitate family reunification, determine pediatric surge capacity, and provide emergency pediatric behavioral health during disasters.³⁵
- Collaborate with 9-1-1 transporting agencies and first responder organizations on regional integration of pediatric readiness across the emergency care continuum.

- Have medical imaging protocols that address age- or weight-appropriate dose reductions for children.³⁶⁻³⁸

Quality and Performance Improvement

- Collect clinical data from pediatric encounters across a core set of pediatric-specific quality measures to identify areas of low performance and implement strategies to improve clinical performance.³⁹ See Table 3.
- Conduct multidisciplinary review of all pediatric deaths and adverse events to identify opportunities for improvement.

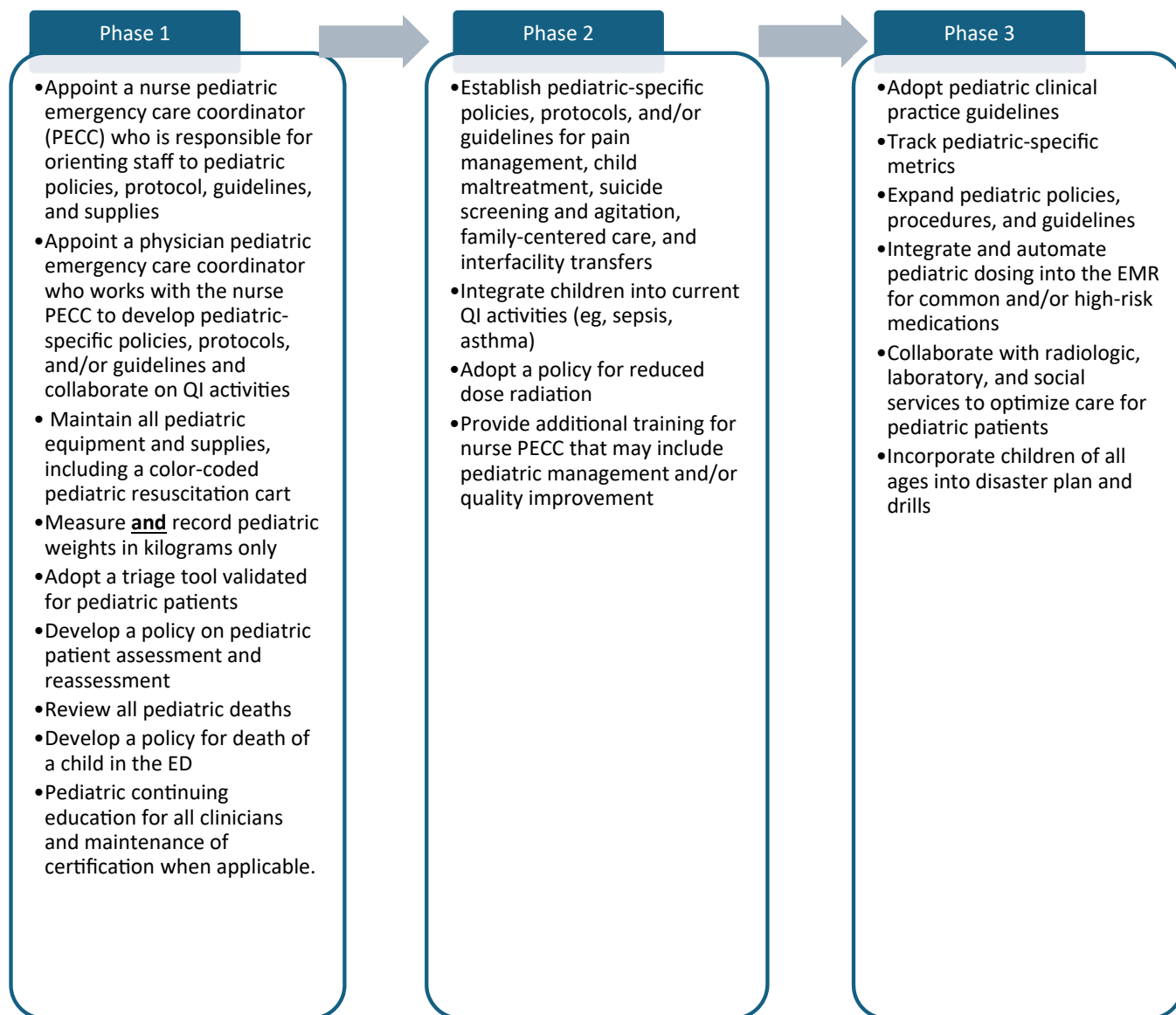


Figure. Pediatric readiness implementation algorithm for the care and resuscitation of the ill or injured child

Sustainability of Pediatric Readiness

- Have ED participate in external verification for pediatric readiness recognition when available.⁴⁰

Recognizing that achieving pediatric readiness is a process, the [Figure](#) serves as a suggested stepwise approach for EDs to achieve high levels of pediatric readiness. The National Pediatric Readiness Project Toolkit hosted by the Emergency Medical Services for Children Innovation and Improvement Center is a comprehensive, open-access toolbox that contains sample policy templates and decision algorithms, as well as many other resources ([https://](https://emscimprovement.center/domains/pediatric-readiness-project/readiness-toolkit/)

emscimprovement.center/domains/pediatric-readiness-project/readiness-toolkit/).

CONCLUSIONS

High pediatric readiness is associated with increased survival among critically ill and injured children and adolescents. Appointed PECCs and continuous pediatric quality improvement are the primary drivers of all aspects of pediatric readiness. The infrequent exposure of ED-based health care professionals to seriously ill or injured children is a barrier to the maintenance of essential

pediatric skills and clinical competencies. Engagement in continuous pediatric quality improvement efforts is vital to ensure high-quality emergency care for all children. Recognition of the unique needs of children and the commitment to pediatric readiness through the adoption of these recommendations is an essential first step to achieve the best outcomes for ill and injured children. Resources to assist with implementing all aspects of this document can be found at www.pediatricreadiness.org and in the accompanying technical report.

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