



Emergency Medical Services Program Policies – Procedures – Protocols

Pediatric Receiving Center Designation Policy (4004.00)

I. PURPOSE:

This policy defines the requirements for designation as a Pediatric Receiving Center (PedRC) in Kern County and establishes that pediatric patients are transported to the most appropriate facility, which is staffed, equipped, and prepared to administer emergency and/or definitive care appropriate to the needs of pediatric patients.

II. AUTHORITY:

- A. California Health and Safety Code, Division 2.5, Section 1797.103, 1797.204, 1797.220, 1797.250, 1797.252, 1798.150, 1798.170, 1799.204, 1799.205.
- B. California Code of Regulations, Title 22, Division 9, Chapter 4, Section 100147 and Chapter 14 (Draft).

III. DEFINITIONS:

- A. <u>California Children Services (CCS)</u>: A State of California program for children with certain illnesses or health problems. Through this program, children up to twenty-one (21) years old can obtain necessary health care and required services.
- B. <u>Continuous Quality Improvement (CQI)</u>: A method of evaluation composed of structure, process, and outcome evaluations which focus on improvement efforts to identify root causes of problems, intervene to reduce or eliminate these causes, and take steps to correct the process and recognize excellence in performance and delivery of care.
- C. <u>Emergency Medical Services (EMS) Authority (EMSA or Authority):</u> A department in California that is responsible for the coordination and integration of all state activities concerning EMS.

Pediatric Receiving Center Designation Policy (4004.00)

- D. <u>Emergency Medical Services for Children (EMSC)</u>: The prevention, pre-hospital, emergency department (ED), in-patient and rehabilitation services specific for the care of children within an EMS system.
- E. <u>Emergency Medical Services for Children Technical Advisory Committee (EMSC-TAC or TAC):</u> A multidisciplinary committee, as appointed by the Authority. The TAC is advisory to the Authority on EMSC related issues.
- F. <u>Emergency Medical Services Program (Program):</u> The Kern County Public Health Services Department, Emergency Medical Services Program. The Program is the Local Emergency Medical Services Agency or LEMSA for Kern County (EMSP).
- G. <u>Interfacility Transfer:</u> The transfer of an admitted or non-admitted pediatric patient from one licensed health care facility to another.
- H. <u>Neonatal Intensive Care Unit (NICU):</u> A designated area of the hospital that specializes in the care of critically ill or injured newborn infants.
- I. Neonatologist: A physician who is board certified or board eligible in neonatology.
- J. <u>Neonatology Fellow:</u> A post residency trained physician who is a board certified or board eligible physician currently enrolled in a subspecialty fellowship program in neonatology.
- K. On-Call: Agreeing to be available to respond to a Pediatric Receiving Center (PedRC) in order to provide a defined service.
- L. <u>Pediatric Critical Care Fellow:</u> A pediatric board certified or board eligible residency trained physician currently enrolled in a subspecialty fellowship program in pediatric critical care medicine.
- M. <u>Pediatric Critical Care Service:</u> A clinical service within a hospital that has oversight and responsibility for the care of pediatric critically-ill or injured patients in a licensed pediatric intensive care unit (PICU).
- N. <u>Pediatric emergency care coordinator:</u> a physician or registered nurse who is qualified in the emergency care of pediatric patients (PECC)

- O. <u>Pediatric Intensivist:</u> A physician who is board certified or board eligible in pediatric critical care medicine, or pediatrics and anesthesia and anesthesia critical care.
- P. <u>Pediatric Intensive Care Unit (PICU):</u> A designated area with licensed pediatric intensive care beds within the hospital that specializes in the care of critically ill or injured infant, children, and teenagers.
- Q. <u>Pediatric patient:</u> Children Under 14 years of age.
- R. <u>Pediatric Receiving Center (PedRC):</u> The licensed general acute care hospital with, at a minimum, a permit for basic or standby emergency services that has been formally designated by the Program. The PedRC Levels are Comprehensive Pediatric Receiving Center (Comprehensive PedRC), Advanced Pediatric Receiving Center (advanced PedRC), General Pediatric Receiving Center (Basic PedRC).
- S. <u>Promptly Available:</u> Responding without delay when notified and requested to respond to the hospital and being physically available to the specified area of the PedRC within a fifteen (15) minute period of time in accordance with Program policies and procedures. When there are limited resources, telemedicine or video consultation is an acceptable alternative.
- T. Qualified Emergency Specialist: A qualified specialist who is board certified or board eligible in emergency medicine or pediatric emergency medicine, as applicable, by the American Board of Medical Specialties, the Advisory Board for Osteopathic Specialties, a Canadian Board or other appropriate foreign specialty board as determined by the American Board of Medical Specialties for that specialty.
- U. <u>Qualified Pediatric Specialist:</u> A qualified specialist who is board certified or board eligible in a pediatric specialty, as applicable, by the American Board of Medical Specialties, the Advisory Board for Osteopathic Specialties, a Canadian Board or other appropriate foreign specialty board as determined by the American Board of Medical Specialties for that specialty.
- V. <u>Qualified Specialist:</u> A physician licensed in California who has 1) taken special postgraduate medical training, or has met other specified requirements, and 2) has become board certified or is board eligible in the corresponding specialty, as applicable, by the American Board of Medical Specialties, the Advisory Board for

Osteopathic Specialties, a Canadian Board or other appropriate foreign specialty board as determined by the American Board of Medical Specialties for that specialty. A non-board certified physician may be recognized as a "qualified specialist" by the Program upon substantiation of need by the PedRC if: a) the physician can demonstrate to the appropriate hospital body and the hospital is able to document that he/she has met requirements which are equivalent to those of the Accreditation Council for Graduate Medical Education (ACGME) or the Royal College of Physicians and Surgeons of Canada; b) the physician can clearly demonstrate to the appropriate hospital body that he/she has substantial education, training, and experience in treating and managing pediatric critically-ill or injured patients, which shall be tracked by a pediatric performance improvement program; and c) the physician has successfully completed a residency program.

W. <u>Trauma Center:</u> A licensed hospital, which has been designated as a Level I, II, III, or IV Trauma Center and/or Level I or II Pediatric Trauma Center by the Program, in accordance with CCR Title 22, Division 9, Chapter 7.

IV. GENERAL PROVISIONS:

- A. No healthcare facility shall advertise in any manner or otherwise hold itself out to be a PedRC unless it has been designated by the Program.
- B. No provider of pre-hospital care shall advertise in any manner, or otherwise hold itself out, as affiliated with EMSC or a PedRC unless they have been so designated by the Program.
- C. PedRCs are designated by the Program in accordance with state regulations and local policies. PedRC designation and re-designation shall be on three (3) year cycles and include written agreements between the PedRC and the County of Kern.
- D. Every PedRC within the County shall be aligned with at least one (1) Comprehensive PedRC for the purposes of outreach and education. Where geography precludes designation of a Comprehensive PedRC within the County, the PedRC may align with a Comprehensive PedRC within the State of California.
- E. All PedRCs shall participate in the Program's Pediatric Advisory Committee.

Pediatric Receiving Center Designation Policy (4004.00)

- F. All PedRCs shall be an approved pre-hospital continuing education provider and provide training and education relating to pediatrics for EMS personnel and MICNs. Continuing education programs shall be conducted in compliance with Program.
- G. Comprehensive PedRC and Advanced PedRCs shall be designated Base Hospitals. These facilities shall provide on-line medical direction in pediatric care to pre-hospital personnel regardless of patient destination either in County or transports out of County.
- H. All PedRCs shall participate in community education activities relating to pediatric illness and injury prevention efforts.
- I. Air transport for pediatric patients within Kern County shall be in accordance with EMS Aircraft Dispatch-Response-Utilization Policies.
- J. The Program shall approve marketing and advertising of EMSC capabilities by PedRCs consistent with the designation process by the Program.
- K. The Program will charge for regulatory costs incurred as a result of pediatric receiving center application review, designation, and re-designation. The specific fees are based upon Program costs. Fee amounts shall be as specified in the County Fee Ordinance Chapter 8.13, if applicable.

V. PEDIATRIC RECEIVING CENTER REQUIREMENTS:

- A. A Pediatric Receiving Center (PedRC) is a licensed general acute care hospital with, at a minimum, a permit for basic emergency services or, in a rural area, licensed standby emergency services, that has been designated by the Program as a Comprehensive PedRC, Advanced PedRC, General PedRC, or Basic PedRC.
- B. **CQI Program** All PedRCs shall have a CQI Program which addresses the needs of children, to include structure, process, and outcome evaluations. The CQI Program at a minimum shall provide for:
 - 1. A process which integrates the ED CQI activities with the pre-hospital, trauma, inpatient pediatrics, pediatric critical care, and hospital-wide CQI activities, as applicable.
 - 2. A mechanism to provide for integration of findings from CQI audits and reviews into education and clinical competency evaluations of staff.

Pediatric Receiving Center Designation Policy (4004.00)

Kristopher Lyon, M.D.

5

Effective Date: 05/09/2014 Revision Date: 09/18/2019

(Signature on File)

- 3. A review of pre-hospital, ED, and inpatient pediatric patient care to include the following pediatric indicators:
 - Deaths
 - b. Transfers
 - c. Child maltreatment cases
 - d. Cardiopulmonary or respiratory arrests
 - e. Trauma admissions
 - f. Operating room admissions
 - g. ICU admissions
 - Selected return visits to the ED
 - Patient safety including adverse events
- 4. Compliance with all federal and state laws protecting and governing patient safety, quality and confidentiality including compliance with applicable provisions of Evidence Code 1157.7 to ensure confidentiality with CQI activities.
- C. **Policies, procedures, or protocols** for care of children in emergency settings, that are not limited to, but shall include, the following:
 - 1. Illness and injury triage
 - 2. Pediatric assessment
 - 3. Physical or chemical restraint of patients
 - 4. Child maltreatment
 - 5. Consent
 - 6. Death of a child
 - 7. Procedural sedation
 - 8. Immunization status and delivery
 - 9. Mental health emergencies
 - 10. Family centered care
 - 11. Communication with patient's primary health care provider
 - 12. Pain assessment and treatment
 - 13. A disaster preparedness plan that addresses pediatric issues
 - 14. Medication safety, including:
 - a. A process to weigh children on scales in kilograms only
 - A process to solicit feedback from staff including reporting of medical errors
 - c. Involvement of families in the medication safety process
 - d. Medication orders that are clear and unambiguous
 - e. Mental health and behavioral emergencies including drug and alcohol abuse

Kristopher Lyon, M.D.

6

- D. Data Requirements- The PedRC shall submit, at a minimum, the following data to the Program on a quarterly basis. This data will facilitate system management and allow for evaluation of system performance. Data will be collected by each PedRC on the Program approved data reporting tool. Data will be aggregated and reported as numerical measurements for Countywide PedRC evaluation. Aggregated reports, with facility names removed, may be shared with the Pediatric Advisory Committee, the EMS System Collaborative, the Emergency Medical Care Advisory Board, Kern County Board of Supervisors, or posted for public viewing, if applicable. If mandated by regulation, aggregated data may be reported to the Authority by the Program as a representation of EMSC in Kern County. The following data elements shall be included:
 - 1. Baseline data, including ambulance transports, to describe the system, including, but not limited to:
 - a. Arrival time/date to ED
 - b. Date of Birth
 - c. Gender
 - d. Ethnicity
 - e. Mode of arrival
 - f. Primary impression
 - 2. Cause of illness and injury, and basic outcomes for CQI to include but not limited to the following:
 - a. Discharge or transfer diagnoses
 - b. External cause of injury (E codes)
 - c. Injury location
 - d. Disposition
 - e. Principal procedures
 - f. Other procedures
 - g. Discharge or transfer time and date from ED
 - h. Admitting facility name if applicable
 - i. Residence zip code
- E. Each PedRC shall have written guidelines in place for patients, parents of minor children who are patients, legal guardians of children who are patients, and primary caretakers of children who are patients to provide input and feedback to hospital staff regarding the care provided to the child.
- F. **ED Requirements**: All designated PedRCs shall comply with the following emergency department (ED) requirements:
 - 1. ED administrative personnel including:
 - a. A Medical Director for the ED; and

Kristopher Lyon, M.D.

7

- A Physician Coordinator for pediatric emergency care (may be met by staff currently assigned to other roles in the department and may be shared between EDs). The Physician Coordinator shall:
 - Be a qualified emergency specialist or a physician who is a qualified specialist in Pediatrics or Family Medicine and shall demonstrate competency in resuscitation of children of all ages from neonates to adolescents.
 - ii. Assume administrative responsibilities that may include, but not be limited to:
 - Oversight of ED pediatric CQI process
 - Liaison with appropriate hospital-based pediatric care committees
 - Liaison with PedRCs, Trauma Centers, the Program, base hospitals, pre-hospital care providers, and community hospitals
 - Facilitation of pediatric emergency education for ED staff
 - Ensuring pediatric disaster preparedness.
- c. met by staff currently assigned other roles in the emergency department, or in-house departments, and may be shared between EDs). The Nursing Coordinator shall:
 - i. Be a registered nurse (RN) with at least two (2) years' experience in pediatrics or emergency nursing within the previous five (5) years
 - ii. Demonstrate competency in resuscitation of children of all ages from neonates to adolescents
 - iii. Assume administrative responsibilities that may include but not be limited to:
 - Coordinate with the pediatric Physician Coordinator for pediatric CQI activities
 - Facilitate ED nursing continuing education and competency evaluations in pediatrics
 - Liaison with pediatric critical care centers, trauma centers, the Program, base hospitals, pre-hospital care providers, and community hospitals
 - Liaison with appropriate hospital-based pediatric care committees
 - Coordination with the Physician Coordinator to ensure emergency pediatric disaster preparedness

8

Effective Date: 05/09/2014 Kristopher Lyon, M.D. Revision Date: 09/18/2019 (Signature on File)

- 2. Personnel staffing the ED shall include, but not limited to:
 - a. Physicians that are qualified emergency specialists, *or* qualified specialists who demonstrate competency in resuscitation of children of all ages from neonates to adolescents
 - b. Registered Nurses (RNs) with at least one (1) ED RN per shift with current completion of PALS, APLS, ENPC, or other equivalent pediatric emergency care nursing course
 - c. Midlevel practitioners that may include Nurse Practitioners and/or Physician Assistants, as applicable, regularly assigned to the ED who care for pediatric patients and demonstrate competency in resuscitation of children of all ages from neonates to adolescents
 - d. Other services/personnel: Back-up personnel to the ED including, but not limited to:
 - i. A qualified pediatric specialist available for in-house consultation, or through real time consultation (e.g. phone telemedicine) or via agreed upon process within transfer agreements
 - ii. Pediatric qualified subspecialists (as a minimum pediatric Intensivist) available for in-house consultation, *or* through phone consultation and transfer agreements
 - iii. Support services including laboratory, radiology, and pharmacy to include qualified staff and necessary equipment
 - iv. Respiratory care specialists who respond to the emergency department.
 - Respiratory care specialists shall verify their competence to support oxygenation and ventilation of pediatric patients to the Director of Respiratory Services. This verification may include, but is not limited to:
 - Current completion of the American Heart Association Pediatric Advanced Life Support course, or
 - The American Academy of Pediatrics and American College of Emergency Physicians sponsored Advanced Pediatric Life Support Course, or
 - Continuing education courses specific to resuscitation of pediatric patients.

- 3. Pediatric equipment and supplies. Use of pediatric equipment and supplies requires:
 - A pediatric chart, length-based resuscitation tape, medical software, or other system available to assure ready access to proper sizing of resuscitation equipment and proper dosing of medications
 - b. Pediatric equipment, supplies, and medications easily accessible, labeled, and logically organized, including, but not limited to. the following:
 - i. Portable resuscitation supplies (crash cart) with a method of verification of contents on a regular basis
 - ii. General equipment for patient and fluid warming, patient restraint, weight scale (in kilograms), and pain scale tools for all age children
 - iii. Monitoring equipment appropriate for children in all pediatric sizes including blood pressure cuffs, Doppler device, ECG monitor/defibrillator, hypothermia thermometer, pulse oximeter, and end tidal CO₂ monitor
 - iv. Respiratory equipment and supplies appropriate for pediatric patients including clear oxygen masks, bag-mask devices, intubation equipment, tracheostomy equipment, oral and nasal airways, nasogastric tubes, and suction equipment
 - Vascular access supplies and equipment appropriate for pediatric patients including intravenous catheters, intraosseous needles, umbilical and central venous catheters, infusion devices, and IV solutions
 - vi. Fracture management devices appropriate for pediatric patients including extremity and femur splints, and spinal stabilization devices
 - vii. Specialized pediatric trays or kits including lumbar puncture tray, difficult airway kit to include laryngeal mask airways and other devices to provide assisted ventilation if bag-mask ventilation or intubation are unsuccessful, tube thoracostomy tray to include chest tubes sizes for children of all ages, newborn delivery and resuscitation kit to include supplies for immediate delivery and resuscitation of the newborn, and urinary catheter trays to include urinary catheters for children of all ages

G. Medications for the care of children requiring resuscitation shall be consistent with the most current evidence-based recommendations (e.g. American Heart Association Pediatric Advanced Life Support). These shall be available in the ED.

VI. COMPREHENSIVE PEDIATRIC RECEIVING CENTER REQUIREMENTS:

In addition to the requirements in Section V of this policy, a Comprehensive PedRC shall:

- A. Meet all criteria of an Advanced PedRC.
- B. Be a CCS Approved Tertiary Hospital with specialized in-patient intensive care and diagnostic, operative, therapeutic services and equipment, and with in-house and/or promptly available physician specialists in pediatric subspecialties. A facility may be designated by the Program if the facility has full, provisional, or conditional CCS approval. Documentation of CCS eligibility must be on file at CCS.
- C. Be capable of providing comprehensive specialized pediatric medical and surgical care to any acutely ill and injured child.
- D. Provide ED services which include a separate pediatric ED or designated area for emergency care of children within an ED and includes physician staff who are qualified emergency specialists in emergency medicine or pediatric emergency medicine.
- E. Have in-patient resources including at a minimum:
 - 1. Twenty-five (25) licensed pediatric beds (exclusive of licensed intensive care neonatal nursery or intensive care beds)
 - 2. A NICU
 - 3. A PICU
- F. Plan and implement ongoing outreach to PedRCs (Advanced, General, and Basic) including:
 - 1. Collaborate for education in emergency care of pediatric patients
 - 2. Consultation via phone, telemedicine or onsite regarding:
 - a. Emergency care and stabilization
 - b. Transfer
 - c. Transport

Pediatric Receiving Center Designation Policy (4004.00)

11

- G. Accept patients from Kern County who require specialized care not available at lower-level hospitals within the county through:
 - 1. Comprehensive PedRC shall accept any patient that meets "emergent medical pediatric" criteria (see section X.A for description) for interemergency department transfer originating within the county
 - 2. Prearranged transfer agreements for pediatric patients needing specialized care not available at the Comprehensive PedRC (such as burn centers, spinal cord injury centers, rehabilitation facilities)
- H. Serve as a county referral center for the specialized care of pediatric patients or in special circumstances provide safe and timely transfer of children to other resources for specialized care.

VII. ADVANCED PEDIATRIC RECEIVING CENTER REQUIREMENTS:

In addition to the requirements in Section V of this policy, a Advanced PedRC shall:

- A. Be a CCS approved Pediatric Community Hospital which has most specialized diagnostic, operative, therapeutic services and equipment, and with promptly available pediatric subspecialists. A facility may be designated by the if the facility has full, provisional, or conditional CCS approval. Documentation of CCS eligibility must be on file at CCS.
- B. Have inpatient resources including at a minimum:
 - 1. Eight (8) licensed pediatric beds (exclusive of licensed intensive care neonatal nursery)
 - 2. Community neonatal intensive care unit (NICU) or as an intermediate NICU if it meets the following requirements, as per:
 - a. Article 6, Section 70545 et seq., for the provision of perinatal services and licensed by DHS, Licensing and Certification Division as a perinatal service;
 - b. Article 6, Section 70481 et seq., for the provision of neonatal intensive care services and licensed by DHS, Licensing and Certification Division as an Intensive Care Newborn Nursery (ICNN)
- C. If the hospital has a PICU then it shall be licensed by DHS, Licensing and certification Division for intensive care services, and meet the requirements for the provision of intensive care services pursuant to CCR Title 22, Division 5, Chapter 1, Article 6, Section 70491 et seq.

Pediatric Receiving Center Designation Policy (4004.00)

Effective Date: 05/09/2014 Revision Date: 09/18/2019 12

- D. Include ED services with physician staff who are qualified emergency specialists.
- E. Have a department of pediatrics within the medical staff structure.
- F. Establish formal written agreements with a minimum of one (1) Comprehensive PedRC as approved by the Program, for education, consultation, and transfer of pediatric patients for stabilization and post-stabilization care ensuring the highest level of care appropriate and available.
- G. Collaborate with Comprehensive PedRC for education in emergency care of pediatric patients and consultation including, but not limited to:
 - 1. Emergency care and stabilization
 - 2. Transfer
 - 3. Transport
- H. Accept patients from Kern County who require specialized care not available at lower-level hospitals within the county through:
 - 1. Advanced PedRC shall accept any patient that meets "emergent medical pediatric" criteria (see section X.A. for description) for inter-emergency department transfer originating within the county
 - Prearranged transfer agreements for pediatric patients needing specialized care not available at the Comprehensive PedRC (such as trauma centers, burn centers, spinal cord injury centers, rehabilitation facilities)
- I. All Advanced PedRCs shall meet the following personnel requirements:
 - 1. Have a physician and nurse Pediatric Emergency Care Coordinator (PECC).
 - Respiratory care service in the pediatric service department and emergency department provided by respiratory care practitioners (RCPs) who are licensed in the state of California and who have completed formal training in pediatric respiratory care which includes clinical experience in the care of children.
 - Social work services in the pediatric service department provided by a medical social worker (MSW) holding a master's degree in social work who has expertise in the psychosocial issues affecting the families of seriously ill infants, children, and adolescents.
 - 4. Behavioral health specialists with pediatric experience to include, but not be limited to, psychiatrists, psychologists, and nurses.

13

- 5. The following specialties shall be on-call, and available for consultation to the ED or NICU within 30 minutes by telephone and in-person within one hour:
 - a. Neonatologist.
 - b. General Surgeon with pediatric experience.
 - c. Anesthesiologist with pediatric experience.
 - d. Pediatric Cardiologist.
- 6. The following specialties shall be on-call, and available to the NICU or ED either in-person, by phone, or by telehealth, within 30 minutes:
 - a. Radiologist with pediatric experience.
 - b. Otolaryngologist with pediatric experience.
 - c. Orthopedist with pediatric experience.
- 7. The following qualified specialists shall be available twenty-four (24) hours a day, 7 days a week, for consultation which may be met through a transfer agreement or telehealth:
 - a. Pediatric Gastroenterologist.
 - b. Pediatric Hematologist/Oncologist.
 - c. Pediatric Infectious Disease.
 - d. Pediatric Nephrologist.
 - e. Pediatric Neurologist.
 - f. Pediatric Surgeon.
 - g. Cardiac Surgeon with pediatric experience.
 - h. Neurosurgeon with pediatric experience.
 - i. Obstetrics/gynecologist with pediatric experience.
 - j. Pulmonologist with pediatric experience.
 - k. Pediatric Endocrinologist.

VIII. **GENERAL PEDIATRIC RECEIVING CENTER REQUIREMENTS:**

A hospital with basic emergency services staffed with a qualified specialist twenty-four hours a day, seven days a week (24/7), which may have limited inpatient services. The General PedRC is a general community hospital that has adult in-patient specialty care and has no dedicated inpatient pediatric services; however diagnostic, operative, therapeutic services and equipment, and selected pediatric physician specialists are available for consultation.

In addition to the requirements in section V of this policy, a General PedRC shall:

Pediatric Receiving Center Designation Policy (4004.00)

14 Effective Date: 05/09/2014 Kristopher Lyon, M.D. (Signature on File) Revision Date: 09/18/2019

- A. Establish formal agreements with a minimum of one Comprehensive PedRC as approved by the Program, for education, consultation, and transfer of pediatric patients.
- B. Collaborate with Comprehensive and/or Advanced PedRC for:
 - 1. Education in emergency care of pediatric patients
 - 2. Consultation regarding
 - a. Emergency care and stabilization
 - b. Transfer
 - c. Transport
- C. Develop written agreements with Comprehensive and/or Advanced PedRCs to transfer pediatric patients for stabilization and post-stabilization care ensuring the highest level of care appropriate and available.
- D. Develop transfer agreements for pediatric patients needing specialized care (such as trauma center, burn center, spinal cord injury center, rehabilitation facilities).

IX. BASIC PEDIATRIC RECEIVING CENTER REQUIREMENTS:

A small and/or rural hospital, as defined by state rural criteria, with limited or no inpatient care capability and limited physician specialists available for consultation.

ED services may include physician staffing twenty-four hours and day, seven days a week (24/7), or a physician available for consultation (e.g. stand-by or critical access hospital).

In addition to the requirements in Section V. of this policy a Basic PedRC shall:

- A. Establish formal agreements with a minimum of one (1) Comprehensive PedRC as approved by the Program, for education, consultation, and transfer of pediatric patients.
- B. Develop written agreements with Comprehensive and/or Advanced PedRCs to transfer all pediatrics for stabilization and post-stabilization care ensuring the highest level of care appropriate and available.
- C. Collaborate with a Comprehensive and/or Advanced PedRC for:
 - 1. Education in emergency care of pediatric patients
 - 2. Consultation regarding:

Pediatric Receiving Center Designation Policy (4004.00)

- a. Emergency care and stabilization
- b. Transfer
- c. Transport
- D. Develop transfer agreements for pediatric patients needing specialized care (such as trauma centers, burn centers, spinal cord injury centers, rehabilitation facilities).
- E. At minimum, one licensed registered nurse or advanced care practitioner per shift in the emergency department shall have current completion of the American Heart Association Pediatric Advanced Life Support, Advanced Pediatric Life Support, competition of an Emergency Nursing Pediatric Course, or other equivalent pediatric emergency care nursing course, as determined by Emergency Medical Services Program (EMSP).

X. PREHOSPITAL DESTINATION DECISION:

Pre-hospital personnel shall transport pediatric patients to a pediatric receiving facility that is capable of providing the most appropriate care. Pediatric trauma patients shall be transported in accordance with Prehospital Trauma policies and procedures. Pediatric patients who meet extremis criteria shall be transported in accordance with Destination Decision policies and procedures. The following criteria apply to medical non-extremis pediatric patients only:

- A. <u>Emergent Medical Pediatric</u>: Patients that are under the age of fourteen (14) years with an emergent medical complaint shall be transported to a Comprehensive or Advanced PedRC if ground transport time is thirty (30) minutes or less. Ground transport times that are greater than thirty (30) minutes may be transported to the closest, most appropriate receiving hospital. The use of air ambulance transport shall be in accordance with *EMS Aircraft Dispatch-Response-Utilization Policies*. Emergent medical complaints are defined as:
 - 1. Cardiac dysrhythmia
 - 2. Evidence of poor perfusion
 - 3. Severe respiratory distress
 - 4. Cyanosis
 - 5. Persistent altered mental status
 - 6. Status epilepticus
 - 7. Any apparent life-threatening event in less than one (1) year of age
- B. <u>Non-Emergent Medical Pediatric</u>: Patients that are under the age of fourteen (14) years with a medical complaint who do not meet trauma, medical extremis or emergent medical criteria shall be transported to any level PedRC.

Pediatric Receiving Center Designation Policy (4004.00)

16 n, M.D.

C. Pre-hospital personnel may consider base contact with the highest level of PedRC available to assist in destination decision.

XI. TRANSFER OF PEDIATRIC PATIENTS:

Each PedRC shall have an Interfacility Transfer Plan for pediatric patients. Patients may be transferred between and from PedRCs providing that:

- A. Interfacility transfer process that is streamlined to include rapid acceptance and transfer of pediatric patients with evaluation and communication with one or more of the following:
 - 1. A qualified pediatric specialist
 - 2. A qualified emergency medicine physician
 - 3. A pediatric intensivist
 - 4. A neonatologist
 - 5. A pediatric critical care fellow
 - 6. A neonatology fellow
- B. The process for transfers of pediatric patients between PedRCs shall be in accordance with Title 22 and EMTALA requirements.
- C. Any transfer which is determined by the ED physician of record, or pediatric inpatient service, medically prudent, and in accordance with Program interfacility transfer policies.
- D. The PedRC has written criteria for consultation and transfer of patients needing a higher level of care.
- E. Hospitals receiving pediatric emergency patients participate in EMSC and CQI activities for those pediatric emergency patients who have been transferred.

XII. APPLICATION PROCESS FOR PEDIATRIC RECEIVING CENTER (PedRC):

- A. The following milestones outline the application process for a hospital to become designated as a Pediatric Receiving Center.
 - 1. Submit letter of application to the Program, the letter shall:
 - a. Specify intent to obtain PedRC designation and level
 - Identify names and contact information, including email addresses, for key pediatric personnel: Emergency Department

Pediatric Receiving Center Designation Policy (4004.00)

- Medical Director, Pediatric Physician Coordinator, Pediatric Nursing Coordinator, and administrative contact
- c. Identify the anticipated target date for PedRC designation
- List supporting documents being submitted with the letter to fulfill the designation requirements
- 2. Compile and submit to the Program all information and documents requested in Appendix B, Column 2, "Objective Measurement" of the *Pediatric Receiving Center Designation Self Evaluation Tool.*
- All application materials will be reviewed for completeness. Additional information may be requested, if needed. Upon determination that the application is complete, the applicant and the Program will work towards execution of the designation agreement.
- 4. Pediatric Receiving Center Designation agreement will be presented to the Board of Supervisors for approval and formal designation.
- B. The process for re-designation will be the same as stated above. Re-designation of PedRCs shall be every three (3) years with the exception of the letter of intent. Re-designation materials must be submitted to the Program ninety (90) days in advance of the expiration date of the designation.

XIII. LOSS OF DESIGNATION:

- A. Any designated PedRC which is unable to meet the following requirements shall be subject to termination or loss of PedRC designation:
 - 1. Inability to maintain designation criteria as stated in this policy.
 - 2. Failure to comply with any policy, procedure, or regulation mandate by Local, State, or Federal Government.
- B. If the Program finds a PedRC to be deficient in meeting the above criteria, the Program will issue the PedRC a written notice, return receipt requested, setting forth with reasonable specificity the nature of the apparent deficiency.
- C. Within ten (10) calendar days of receipt of such notice, the PedRC must deliver to the Program, in writing, a plan to cure the deficiency, or a statement of reasons why the PedRC disagrees with the Division notice.
- D. The PedRC shall cure the deficiency within thirty (30) calendar days of receipt of notice of violation.

Pediatric Receiving Center Designation Policy (4004.00)

E. If the PedRC fails to cure the deficiency within the allowed period or disputes the validity of the alleged deficiency, the issue will be brought to the Emergency Medical Care Advisory Board (EMCAB) for adjudication. EMCAB may make a recommendation to the Program for resolving the issue.

Revision Date: 09/18/2019

19

Revision Log:

01/10/13: Creation of Policy

10/25/13: Comments received. Policy amended. 01/07/14: Comments received. Policy amended.

03/04/14: Comments received via Pediatric Designation meeting. Policy amended

with agreement from all in attendance.

05/08/14: EMCAB Approval- Implementation Date set 05/09/2014

08/14/15: EMCAB Approval- Remove requirement for transfer agreements for Level

I&II, add acceptance of patients meeting emergent medical criteria.

11/11/2016 EMCAB Approval- Addition of PAC as Appendix C.

9/18/19: Changed "Division" to "Program." Updated policy to reflect EMSA Tittle 22,

Chapter 14. Removed links to EMSA Policies that were removed once

Chapter 14 was published.

Pediatric Receiving Center Designation Policy (4004.00)

APPENDIX A: PEDIATRIC RECEIVING CENTER DATA ELEMENTS

At a minimum, each PedRC shall collect and submit the following mandatory data elements to the Program on a quarterly basis.

Baseline Data	Cause of Illness or Injury
Arrival time/date to ED	Discharge or transfer diagnosis
Date of Birth	External Cause of Injury (E Codes)
Gender	Injury location
Ethnicity	Disposition
Mode of Arrival	Principal Procedures
Primary Impression	Other Procedures
	Discharge or transfer time and date from ED
	Admitting facility name
	Residence Zip Code

APPENDIX B: PEDIATRIC RECEIVING CENTER DESIGNATION SELF-EVALUATION TOOL

The Following pages need completion by applicant for Pediatric Receiving Center designation and re-designation (every three (3) years). "Pediatric Designation Contract Standard" and "Objective Measurement" refers to all standards required. The "PedRC Level" section is what level of PedRC requires the standard of the preceding section, circle "Yes" or "No" as applicable. A completed copy of the Pediatric Receiving Center Designation Criteria Application and Evaluation Tool and copies of any agreements and licensing that are requested are to be placed in the front of the application binder.

Pediatric Receiving Center Designation Policy (4004.00)

Pediatric Receiving Center Designation Self Evaluation Tool

			1	_	
Pediatric Designation	Objective	PedRC	Mee		Comments
Contract Standard	Measurement	Level	Stand	ard	
	GENERAL PR	OVISION			
Current license as a	Copy of license	С	Υ	Ν	Required for designation
general acute care		Α			
hospital		G			
		В			
Permit for basic	Copy of permit	С	Υ	Ν	Required for designation
emergency services in		A			
Kern County (rural		G B			
standby emergency services)		В			
Current designation as a	Hospital Contracts	С	Υ	N	Required for designation
Paramedic base station	Tiospital Contracts	A	'	IN	Required for designation
in Kern County		_ ^			
Participation in Pediatric	Provide name, position	С	Υ	N	Required for designation
Advisory Committee	for person designated	A	•		r toquirou for accignation
	to attend	G			
		В			
Approved pre-hospital	Copy of schedule of	С	Υ	N	Required for designation
continuing education	courses available for	Α			
provider	prehospital personnel	G			
		В			
	Copy of CE certificate				
	to be issued for				
	continuing education				
	courses with all				
Alignment with	required information Provide evidence of	Λ	Υ	N	Dequired for decignation
Alignment with Comprehensive PedRC	alignment or copy of	A	Ť	IN	Required for designation
Complehensive FedRC	contract with	G B			
Alignment for outreach	Comprehensive				
and education.	Compronontia				
Community Education	Provide evidence of	С	Υ	N	Required for designation
Participation	community education	Α			
·	program relating to	G			
	pediatric illness and	В			
	injury prevention				
	efforts				
	DIATRIC RECEIVING CE		1		
California Children	Documentation on file	C	Υ	Ν	Required for designation
Service approved at	at CCS	A			
appropriate level					

Pediatric Receiving Center Designation Policy (4004.00)

Effective Date: 05/09/2014 Revision Date: 09/18/2019 23 Kristopher Lyon, M.D. (Signature on File)

Continuous availability of PedRC resources 24 hours a day 7 days a week 365 days a year. Pediatric in-patient	On-Call Schedules for 3 months. On-Call Policy/Procedure Verification of	C A	Y	N	Required for designation Required for designation
services	appropriate number of licensed pediatric beds	Α		IN	
Separate Department of Pediatrics within the medical staff structure	Verification of a Department of Pediatrics	C A	Y	N	Required for designation
Neonatal Intensive Care Unit	Verification of a NICU	C A	Y	N	Required for designation. Advanced must have NICU, PICU is optional
CQI Program to include structure, process, and outcome evaluations	Written quality improvement plan or program description. Integrate ED, Prehospital, trauma, inpatient, critical care Integrate findings into education and clinical competency evaluation for staff	C A G B	Y	N	CQI plan or policy only required for initial designation Ongoing expectation Data Collection and Management based on Pediatric EMS data elements
CQI Program Pediatric Indicators	Review protocol/program description to deal with: Deaths Transfers Child Maltreatment Cases Cardiopulmonary/ Respiratory Arrest Trauma Admission Operating Room Admissions ICU Admissions Selected Return Visits to the ED	C A G B	Y	N	Policy and procedure or program description only required for initial designation Ongoing expectation

	□ Patient Safety including adverse events			
Pediatric Emergency Care Policies, Procedures, or Protocols	Review policies/ procedures/protocols Illness and injury triage Pediatric assessment Physical and chemical restraint Child maltreatment Consent Death of a child Procedural sedation Immunization status and delivery Mental health emergencies Family centered care Communication with primary care provider of patient Pain assessment and treatment Disaster Preparedness Plan for Pediatrics	С G B	Y N	Required for designation
Medication Safety policy, procedure or protocol	Review policies/ procedures/protocols for medication safety to address the following: Kilogram only scale A Process to solicit feedback from staff including medication errors	САGВ	Y N	Required for designation

	 Involvement of families in the medication safety Orders that are clear and unambiguous Mental health and behavioral emergencies including drug and alcohol abuse 				
Participation in Kern County EMS data collection	Document agreeing to provide data elements deemed mandatory by Kern County EMS Program	C A G B	Y	N	Name and contact information of responsible personnel required for designation
Written Guidelines for patients, parents/guardians of patients to provide input and feedback regarding care of the patient	Guidelines for Patients, Review documentation of guideline or feedback policy	C A G B	Y	N	Designation Ongoing Expectation
•	ED PERSONNEL RE	EQUIREM	IENTS	;	
ED Medical Director	Copy of medical license or contract	вΩ⊳∩	Y	N	Required for designation
Physician Coordinator for pediatric emergency care Responsibilities: Oversight of ED	Copy of current Board Certifications Copy of Job description	САGВ	Y	N	Required for designation
Liaison with appropriate hospital-based pediatric care committees	Verification of competency in resuscitation of children of all ages May be met by staff				
Liaison with PedRCs, trauma centers, Program, base hospitals, pre-	currently assigned other roles in the department, and may be shared between ED				

hospital care providers, community hospitals Participates in protocol development Facilitate pediatric emergency education for ED staff Coordinate with RN Coordinator to ensure pediatric disaster preparedness.	Occurred DNI II			
RN Coordinator for pediatric emergency care Responsibilities: Coordinate with pediatric Physician Coordinator for CQI Facilitate ED nursing continuing education and competency evaluations in pediatrics Liaison with ped critical care centers, trauma centers, Program, base hospitals, prehospital care providers, community hospitals Liaison with appropriate hospital-based pediatric care committees	Evidence of experience in pediatrics or emergency nursing Verification of competency in resuscitation of children of all ages Copy of Job description May be met by staff currently assigned other roles in the department, and may be shared between ED	C A G B	YN	Required for designation

Coordinate with Physician Coordinator in ensure pediatric disaster preparedness					
Emergency Department	Copy of current Board	С	Υ	N	Required for designation
Staffing:	Certifications	A G		1	
Physicians	Verification of competency in resuscitation of children of all ages	В			Ongoing expectation
	Evidence of ED physician coverage by at a minimum one physician with appropriate qualifications for 3 months				
Emergency Department Staffing:	Evidence of at least one ED RN per shift	C A	Υ	N	Required for designation
Registered Nurses	with qualifications for 3 months	G B			Ongoing expectation
	Copy of RN license Copy of course completion/card with current PALS, APLS, ENPC, or equivalent				
Emergency Department Staffing:	Copy of license	C A	Υ	N	Required for designation
Midlevel practitioners if regularly assigned to ED and who care for pediatric patients	Verification of competency in resuscitation of children of all ages	G B			Ongoing expectation
Qualified pediatric specialist -Neonatologist.	Copy of Board Certifications	C A	Y	N	Required for designation Ongoing expectation

Revision Date: 09/18/2019

28 Kristopher Lyon, M.D. (Signature on File)

-Conoral Surgoon with	Varification of process					
-General Surgeon with pediatric experience.	Verification of process, policy, procedure, job					
-Anesthesiologist with	description or work					
pediatric experience.	schedule for 3 months					
-Pediatric Cardiologist.						
Available on-call, and						
available for consultation						
to the ED or NICU within						
30 minutes by telephone						
and in-person within one hour.						
Qualified pediatric	Copy of Board	С	Υ	N	Required for designation	
specialist	Certifications	Α			γ γ γ γ γ γ γ γ γ γ γ γ γ γ γ γ γ γ γ	
		G			Ongoing expectation	
Available for in-house	Verification of process,	В				
consultation, or telemedicine, or transfer	policy, procedure, job description or work					
process	schedule for 3 months					
	0 (5					
Pediatric qualified subspecialist (as a	Copy of Board Certifications	C A	Υ	Ν	Required for designation	
minimum pediatric	Certifications	Ğ			Ongoing expectation	
Intensivist)	Verification of process,	В			3. 3. 4	
	policy, procedure, job					
Available for in-house consultation, or	description or work schedule for 3 months					
telemedicine and	Scriedule for 3 months					
transfer process						
Cupport Convicee	Evidence of eveilebility	-	Υ	NI.	Dequired for designation	
Support Services:	Evidence of availability of services with	C A	T	N	Required for designation	
a. Respiratory Care	qualified staff	G				
b. Laboratory	·	В				
c. Radiology						
d. Pharmacy						
	ED SUPPLIES AND EQUIPMENT					
Pediatric General	☐ Pediatric chart;	С	Υ	N	Required for designation	
Supplies and Equipment	length-based	A				
(easily accessible and labeled)	resuscitation tape, medical software, or	G B				
idolou)	other system					
	equivalent					
	□ Portable					
	resuscitation					

	 ,	
supplies "Crash		
Cart" Description Descripti		
warming device		
□ Patient restraint		
☐ Kilogram only scale		
□ Pain scale		
appropriate for		
children		
Pediatric size		
monitoring equipment:		
□ Blood pressure cuff□ Doppler Device		
□ Electrocardiography		
Monitor/Defibrillator		
□ Hypothermia		
thermometer		
□ Pulse Oximeter		
☐ End Tidal CO2		
monitoring device		
Fracture management:		
□ Splints		
☐ Traction splints		
□ Spinal		
stabilization		
devices		
Specialized Redistrie		
Specialized Pediatric Trays/Kits:		
☐ Lumbar puncture		
□ Infant		
□ Child		
□ Difficult airway		
□ Supraglottic		
□ Needle/Surgical		
Cricothyrotomy		
☐ Tube thorachostomy		
tray		
☐ 12-36F		
☐ Newborn Delivery		
Kit		

	□ Newborn Resuscitation equipment □ Umbilical clamp □ Scissors □ Bulb syringe □ towel □ Urinary Catheterization □ 6F-22F			
Respiratory Equipment and Supplies	Nasal Cannula	C A G B	Y N	Required for designation

	□ Laryngoscope Blades □ Straight 0-3 □ Curved 2-3 □ Laryngoscope handle □ Magill Forceps □ Pediatric □ Suction Catheter □ Infant □ Child □ Yankauer Suction Tip □ Tracheostomy Tubes (0-6) □ Neonatal □ pediatric □ Nasogastric Tubes □ Infant 8F □ Child 10F □ Laryngeal Mask Airway □ Size 1-5 □ Feeding tubes □ 5F □ 8F			
Intravenous Equipment and Supplies	□ Arm Boards □ Infant □ Child □ Catheter-Over- Needle □ 14-24 gauge □ Intraosseous Needles/Devices □ Pediatric □ Umbilical Vein Catheter □ Central Venous Catheter □ 4.0-7.0F double lumen □ Intravenous solutions	C A G B	Y N	Required for designation

	□ Normal Saline □ Dextrose 5%in Normal Saline □ Dextrose 10% in water □ Fluid warmer □ IV administration sets with calibrated chambers and extension tubing □ Infusion devices with ability to regulate rate and volume of infusion.	IONE		
BA - Pro-C	MEDICAT			D
Medications (easily accessible and labeled)	Medications Requirements: Alprostadil (PGE1) Albumin Albuterol Atropine Adenosine Amiodarone Antiemetic Calcium Chloride 10% Dexamethasone Dextrose (D ₁₀ W, D ₂₅ W, D ₅₀ W) Diphenhydramine Dopamine Dopamine Epinephrine (1:1000; 1:10,000 Solution) Furosemide Hydrocortisone Ipratropium bromide Lidocaine Magnesium Sulfate Methylprednisone Milrinone Naloxone Hydrochloride Nitroglycerin	СAGB	YN	Approved Medications by The American Heart Association Pediatric Advanced Life Support

	 Norepinephrine Oxygen Procainamide Sodium Bicarbonate (4.2%, 8.4%) Sodium nitroprusside Terbutaline Topical, Oral, and Parenteral Analgesics Antimicrobial Agents (Parenteral and Oral) Anticonvulsants Medications Antidotes should be accessible to the ED Antipyretic drugs Bronchodilators Corticosteroids Inotropic Agents Neuromuscular Blockers Sedatives Vasopressors 				
	TDANIOEED INE		201		
Accept in county	TRANSFER INF	· · · · · · · · · · · · · · · · · · ·	l .	N I	Doguired for designation
Accept in county "emergent medical pediatric" criteria for inter emergency department transfer	Statement verifying acknowledgement	C A	Y	N	Required for designation Shall accept patients meeting "emergent medical pediatric criteria"
Inter-Facility Transfer Guidelines or Cooperative Arrangement	Description of current cooperative practice or copy of supporting policies, procedures or guidelines. List all hospitals collaborating with and for what type services	C A G B	Y	N	Required for designation List of facilities and description of cooperative arrangements (PedRC's and Non-Pediatric Receiving centers)
Copy of transfer agreement:	Plan, Policy, Procedure with estimated travel time	C A G	Υ	N	Required for designation. Hospitals

Trauma, spinal cord injury, rehabilitation, or burn patient		В			without trauma or burn unit. Written guidelines or description of current processes for rapid transfer of patients requiring additional care. Including elective or emergency Trauma and/or Burns.
Copy of written transfer agreements with higher level PedRC and Comprehensive PedRC	Transfer policies and procedures.	A G B	Y	N	Required for stabilization and post-stabilization

Appendix C- Pediatric Advisory Committee (PAC)

- A. The Program shall be responsible to maintain policy compliance within the EMS system, and reserves the right to revise or modify this policy when necessary to protect public health and safety.
- B. Pediatric Advisory Committee (PAC) is an ad hoc subcommittee of the EMS System Collaborative.
- C. Pediatric Advisory Committee (PAC) shall be established to review certain potential problem cases and system trends identified through the submission of data (as described in the (*Pediatric Receiving Center Designation Policy*).
 - 1. The Committee shall be composed of the following members:
 - a. Pediatric Emergency Care Coordinator
 - b. EMS Program Coordinator
 - c. Pediatric Program Director
 - d. Emergency Dept. MICN
 - e. EMS Dept. Medical Director
 - f. School Representative/ Consumer Representative
 - g. Community Based Pediatrician and Pediatric Intensivist
 - h. Metro Hospital Emergency Department Representative
 - i. Rural Hospital Emergency Department Representative
 - j. Rural Paramedic Representative
 - k. Metro Paramedic Representative
 - I. Air Ambulance/Critical Care Transport Representative
 - m. Communications Center Representative Ad Hoc
 - n. Law Enforcement Representative
 - o. Child Protective Services Representative

Pediatric Receiving Center Designation Policy (4004.00)

- p. Fire Department Representative
- q. California Children's Services Representative Ad Hoc
- r. Social Services Representative
- s. Respiratory Therapist Ad Hoc
- 2. This Committee shall respond to the EMS Medical Director and EMCAB's inquiries and requests.
- 3. The Committee shall consider and monitor identified issues and advise the Director on policy level recommendations and systemic or process issues as follows:
 - a. Create and monitor quality core measures
 - b. Conduct evidence-based studies relevant to the unique needs and trends of pediatric care county wide.
 - i. The Committee will be responsible for establishing the criteria for cases to be brought to the committee.
 - ii. Each case reviewed by the committee will have a finding of appropriateness of care rendered and will, where appropriate, make recommendations for change.
 - c. Recommend revisions to policies and procedures based on study findings
 - d. Additional review of transfers or major complicated Pediatric patients as requested by a Pediatric receiving center.
 - e. Organize and administer pediatric specific programs as needed.
 - f. Review all cases of prehospital pediatric cardiac arrest.
- 4. Meetings will be conducted in accordance with §1040, §1157.5, and 1157.7 of the California Evidence Code, and the California Business and Professions Code 805, 809 and be compliant with HIPAA and HCFA requirements.
- 5. All members and invitees of the Committee will be required to maintain confidentiality of patient specific information.

- D. All pediatric organizational providers will submit to the Program the required documentation, as specified by the Program, to verify ongoing compliance with pediatric triage, treatment, and transport protocols.
- E. The Program, in conjunction with organizational providers, will collect data on a regular basis for system evaluation and continued quality improvement.
- F. Any deviations, specific problems, or deficiencies from policies, procedures and protocols shall be documented.
 - 1. This information will be subject to review by the Program and/or the Pediatric Advisory Committee (PAC).