Pediatric Readiness in EMS Introduction to EMSC and the PPRP





Announcements



Question and Answer Opportunities

Use the Chat feature during presentation – a panelist will respond

Dedicated time at the conclusion of today's presentation



Continuing Education Credit Offered Details described at the end of today's presentation



Entire Education Series Archived

Access slides and recorded presentation www.bcm.edu/emsc

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Presenters

Kathryn Kothari, MD, FAAP

Assistant Professor, Dept of Pediatrics, Division of Emergency Medicine Medical Director, EMS, Texas Children's Hospital Program Director, EMSC Texas Baylor College of Medicine Texas Children's Hospital

Sam Vance, MHA, LP

Program Manager EMS for Children State Partnership, Texas



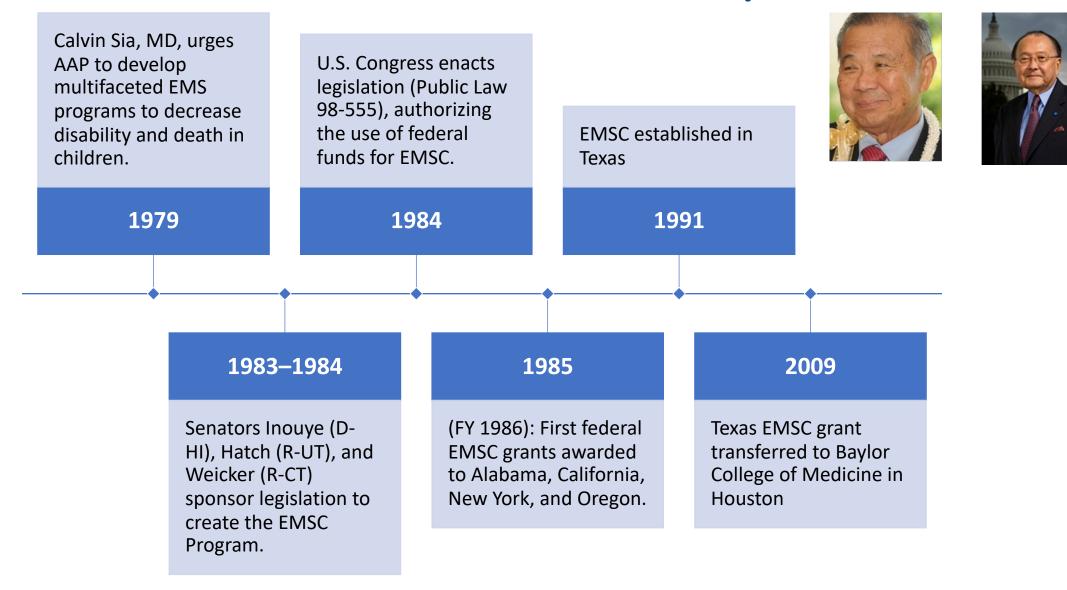


Objectives

- 1. Define the mission of the EMS for Children Program.
- 2. Outline the vision of the Prehospital Pediatric Readiness Project (PPRP).
- 3. Acknowledge the significance of the PPRP assessment as a pivotal tool for determining the initial baseline status of your organization.
- 4. List the roles and responsibilities of a Prehospital Pediatric Emergency Care Coordinator (PECC).



EMSC: A Brief History







➢Established under the Preventative Health Amendments of 1984

➤The ONLY federal program solely focused on improving the quality of pediatric emergency care



Health and Safety Code
Chapter 773. Emergency
Medical Services
Subchapter G. Pediatric
Emergency Medical Services

SUBCHAPTER G. PEDIATRIC EMERGENCY MEDICAL SERVICES

Sec. 773.171. EMERGENCY MEDICAL SERVICES FOR CHILDREN PROGRAM. (a) The emergency medical services for children program is in the department.

(b) The department shall provide coordination and support for a statewide pediatric emergency services system.

(c) The department may solicit, receive, and spend funds it receives from the federal government and public or private sources to carry out the purposes of this subchapter.

Added by Acts 1993, 73rd Leg., ch. 513, Sec. 1, eff. Aug. 30, 1993.

Amended by:

Acts 2015, 84th Leg., R.S., Ch. 1 (S.B. <u>219</u>), Sec. 3.1569, eff. April 2, 2015.

Sec. 773.173. RULES. (a) On the recommendation of the advisory council, the executive commissioner shall adopt minimum standards and objectives to implement a pediatric emergency services system, including rules that:

 provide guidelines for categorization of a facility's pediatric capability;

(2) provide for triage, transfer, and transportation policies for pediatric care;

(3) establish guidelines for:

(A) prehospital care management for triage and transportation of a pediatric patient;

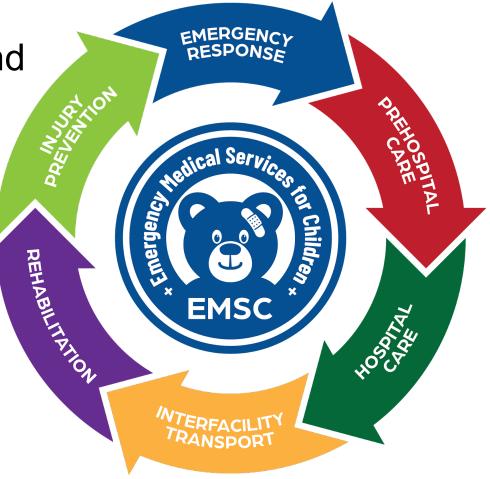
(B) prehospital and hospital equipment that is necessary and appropriate for the care of a pediatric patient;

(C) necessary pediatric emergency equipment and training in long-term care facilities; and

(D) an interhospital transfer system for a critically ill or injured pediatric patient; and(4) provide for data collection and analysis.

The EMSC Program

- Designed to reduce childhood death and disability due to severe illness or injury
- Enhances the pediatric capability of <u>existing</u> emergency care systems designed for adults





The Vision

That all emergency care practitioners have the appropriate resources including trained and competent staff, education, policies, medications, equipment, and supplies, to provide effective emergency care for children across the spectrum of emergency care



Among the 30M EMS transports per year, <10% are children



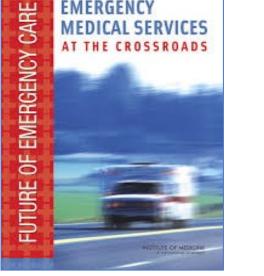


>80% of EMS agencies see fewer than 8 children per month

- Variability in care across ٠ agencies
 - Trauma/pain, seizures, respiratory distress, cardiac arrest
 - Known gaps in day-to-day readiness
 - Pediatric protocols
 - Pediatric equipment
 - Pediatric education requirements
 - Pediatric skills checks







EMERGENC



Pediatric EMS

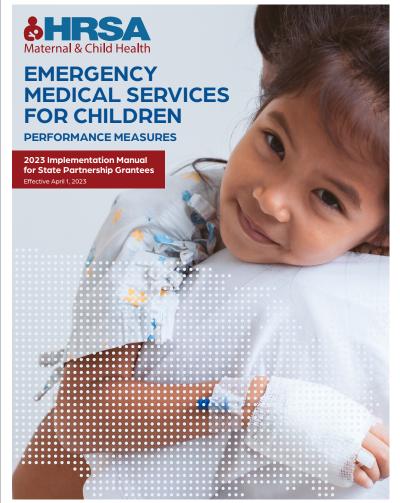
- Pediatric patients constitute 5-10% of transports
- 1% critically ill
- Field interventions infrequently performed
- Consistent definitions across systems are limited
- Outcome measures are not validated



https://www.unitekemt.com/blog/most-common-pediatric-emt-emergencies/



The NEW EMSC Performance Measures





Pre-hospital

EMS recognition program Pediatric Emergency Care Coordinator (PECC) Proficiency of EMS providers in the use of pediatric-specific equipment

Disaster plan that includes children



Hospital

Facility recognition programs

Pediatric Emergency Care Coordinator (PECC)

Weigh and record weight in kilograms only

Disaster plan that includes children

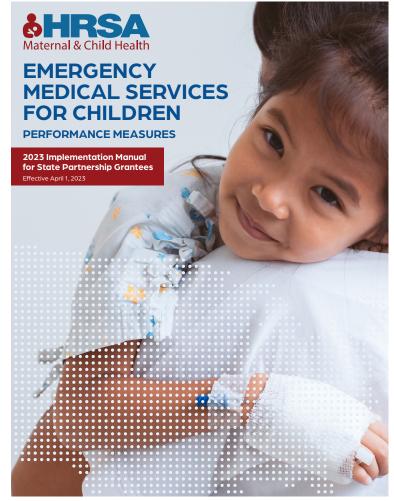


Family Partnership and Leadership EMSC advisory committee Pediatric representation on EMS board Integration of EMSC priorities into state/territorial law or

regulations



The NEW EMSC Performance Measures







Pre-hospital

EMS recognition program

Pediatric Emergency Care Coordinator (PECC)

Proficiency of EMS providers in the use of pediatric-specific equipment

Disaster plan that includes children

2023 Use of Pediatric Specific Equipment Overview

NATIONAL

Use of Pediatric-Specific Equipment (EMSC 03):

26.5% (2,119/7,982)

(Exclusions See Above)

See pg. 35 in the "EMSC for Children Performance Measures, Implementation Manual for State Partnership Grantees, Effective March 1st, 2017" for an explanation of the scoring.

TEXAS

Use of Pediatric-Specific Equipment (EMSC 03):

34.3% (60/175)

(Exclusions See Above)

See pg. 35 in the "EMSC for Children Performance Measures, Implementation Manual for State Partnership Grantees, Effective March 1st, 2017" for an explanation of the scoring.



Initiatives: EMSC State Partnership, Texas

- CYSHCN Course
- EMS for Children Crew of the Year Award
- EMS Week/EMSC Day
- EMSC Advisory Committee
- EMS Recognition Program
- National EMS Survey
- National Association of State EMS Officials (NASEMSO)
- National Pediatric Readiness Quality Collaborative
- National Pediatric Readiness Project (NPRP)





Prehospital Pediatric Readiness Project Ensuring Emergency Care for All Children

Prehospital Pediatric Readiness

A National Collaborative to Address Gaps in Pediatric Prehospital Care

Background



Where did the Prehospital Pediatric Readiness Project (PPRP) come from?

How was the PPRP Assessment created?



2020: Pediatric Readiness in Emergency Medical Services Systems

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

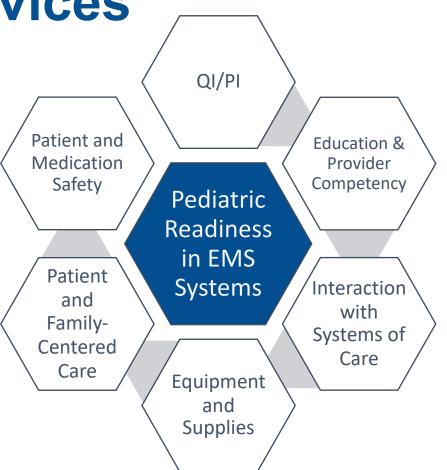


DEDICATED TO THE HEALTH OF ALL CHILDREN

Pediatric Readiness in Emergency Medical Services Systems

Brian Moore, MD, FAAP,^a Manish I. Shah, MD, MS, FAAP,^b Sylvia Owusu-Ansah, MD, MPH, FAAP,^c Toni Gross, MD, MPH, FAAP,^d Kathleen Brown, MD, FAAP,^{e,f} Marianne Gausche-Hill, MD, FACEP, FAAP, FAEMS,^g Katherine Remick, MD, FACEP, FAAP, FAEMS,^{hij} Kathleen Adelgais, MD, MPH, FAAP,^k John Lyng, MD, FACEP, FACP, NRP,^I Lara Rappaport, MD, MPH, FAAP,^m Sally Snow, RN, BSN, CPEN, FAEN,ⁿ Cynthia Wright-Johnson, MSN, RNC,^o Julie C. Leonard, MD, MPH, FAAP,^a and the AMERICAN ACADEMY OF PEDIATRICS COMMITTEE ON PEDIATRIC EMERGENCY MEDICINE AND SECTION ON EMERGENCY MEDICINE EMS SUBCOMMITTEE, AMERICAN COLLEGE OF EMERGENCY PHYSICIANS EMERGENCY MEDICAL SERVICES COMMITTEE, EMERGENCY NURSES ASSOCIATION PEDIATRIC COMMITTEE, NATIONAL ASSOCIATION OF EMERGENCY MEDICAL SERVICES PHYSICIANS STANDARDS AND CLINICAL PRACTICE COMMITTEE, NATIONAL ASSOCIATION OF EMERGENCY MEDICAL TECHNICIANS EMERGENCY PEDIATRIC CARE COMMITTEE





"In order to provide infrastructure designed to support the prehospital emergency care of children AAP, ACEP, ENA, NAEMSP, and NAEMT believe that EMS systems should...."

Technical Report

"...establish a foundation on which to build optimal pediatric care within EMS systems and serve as a resource for clinical and administrative EMS leaders."

TECHNICAL REPORT



DEDICATED TO THE HEALTH OF ALL CHILDREN

Pediatric Readiness in Emergency Medical Services Systems

Sylvia Owusu-Ansah, MD, MPH, FAAP,^a Brian Moore, MD, FAAP,^b Manish I. Shah, MD, MS, FAAP,^c Toni Gross, MD, MPH, FAAP,^d Kathleen Brown, MD, FAAP,^{ef} Marianne Gausche-Hill, MD, FACEP, FAAP, FAEMS,^g Katherine Remick, MD, FACEP, FAAP, FAEMS,^{h,i,j} Kathleen Adelgais, MD, MPH, FAAP,^k Lara Rappaport, MD, MPH, FAAP,^j Sally Snow, RN, BSN, OPEN, FAEN,^m Cynthia Wright-Johnson, MSN, RNC,ⁿ Julie C. Leonard, MD, MPH, FAAP,^o John Lyng, MD, FAEMS, FACEP, NRP,^o Mary Fallat, MD, FACS, FAAP,^a COMMITTEE ON PEDIATRIC EMERGENCY MEDICINE, SECTION ON EMERGENCY MEDICINE, EMS SUBCOMMITTEE, SECTION ON SURGERY

- 16 recommendations describes context and evidence base
- Medical oversight key to improved pediatric readiness
- Education, training and availability of equipment
- Policies and protocols
- · Leverage evidence base and work by stakeholders
- Importance of data and QI



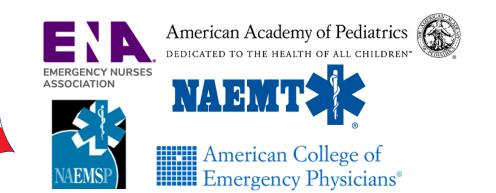
The National Prehospital Pediatric Readiness Project





National Prehospital Pediatric Readiness Project

- Assess the capacity of our nation's EMS system to meet the needs of children
- Ensure high quality emergency care for all children
- Develop and support the role of PECCs in EMS agencies
- Focus on EMSC Performance Measures





Prehospital Pediatric Readiness Project Ensuring Emergency Care for All Children

Why It Matters





The Vision

That all EMS and fire-rescue agencies have the appropriate resources to provide effective emergency care for children.



How do you know if you're really ready?

WHERE AM I?



Ensuring Emergency Care for All Children

Steps to Become Pediatric Ready



STEP 1: MEASURE

STEP 2: IMPROVE





Step 1: Measure





PPRP Assessment

The PPRP Assessment is based on the 2020 Pediatric Readiness in Emergency Medical Services Systems joint policy statement and technical report. It is a national multi-phase initiative, focused on the prehospital EMS system. The assessment is led by the EMS for Children Program in partnership with more than 30 national organizations and stakeholders.

Endorsed by the Governor's EMS and Trauma Advisory Council

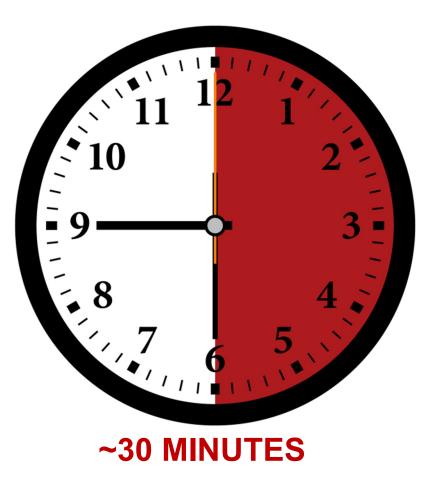




Readiness Focus Areas

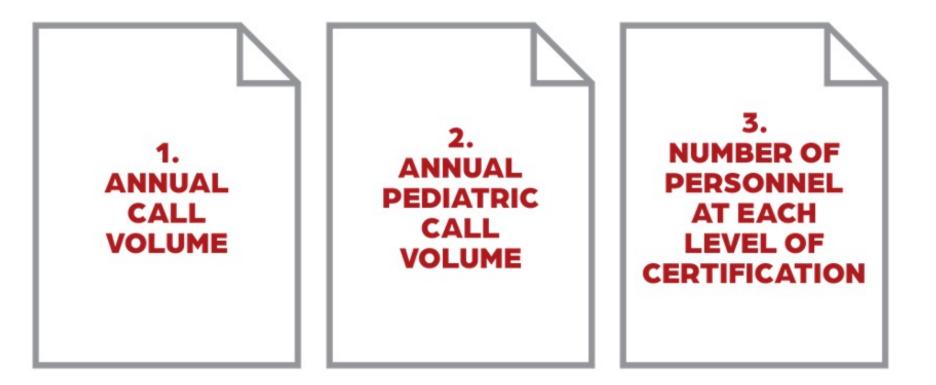


Increase Your Comfort & Confidence



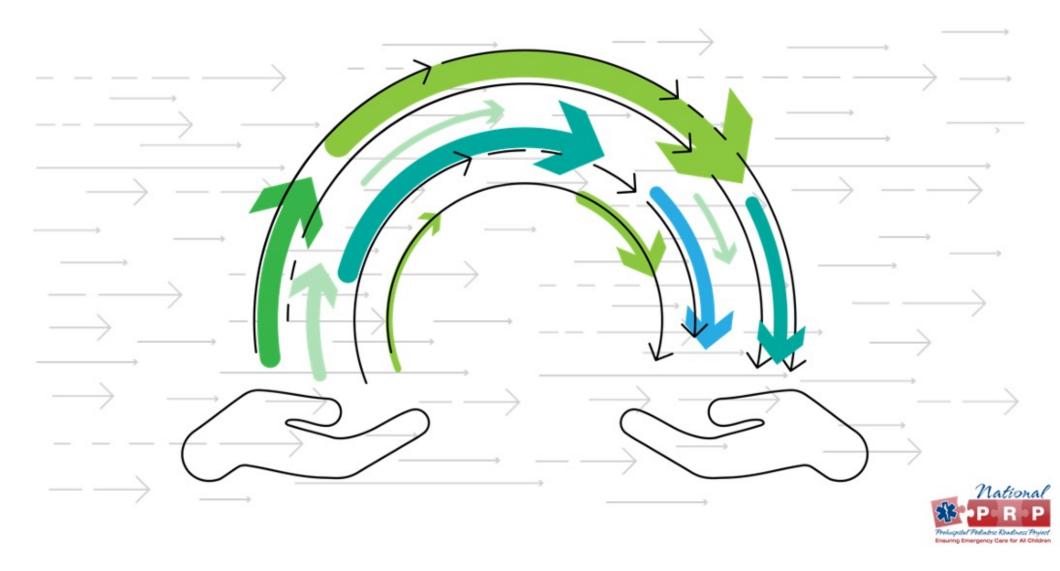


Collect Data in Advance



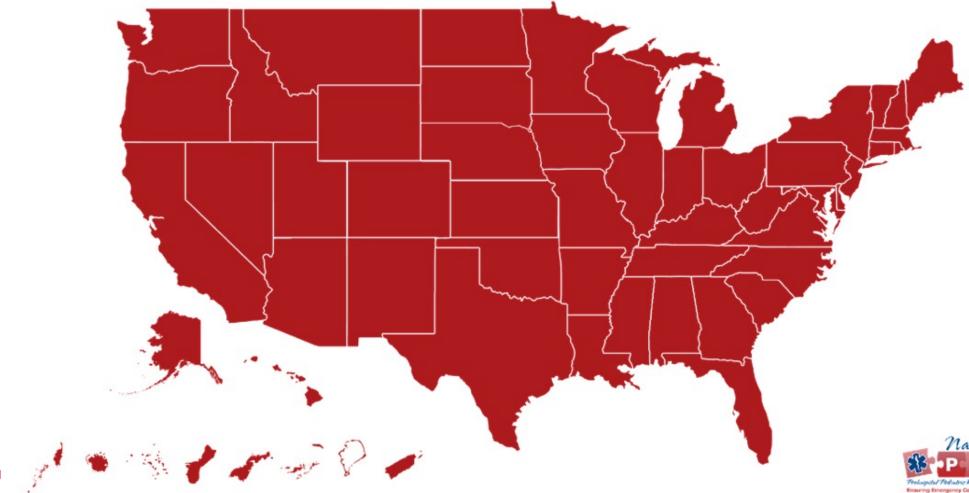


What's in It for Me?





Advancing Care Nationally







Participation Drawing



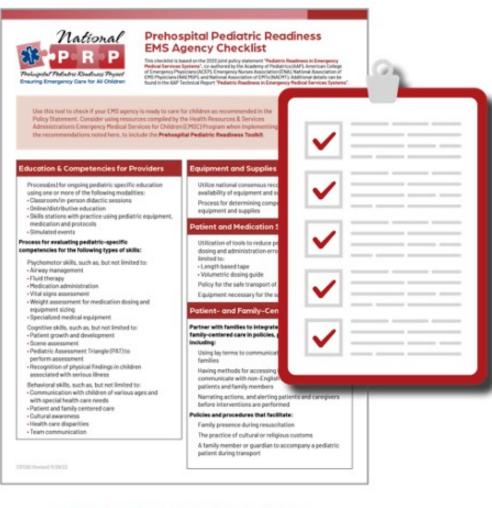


Step 2: Improve





PPRP Checklist

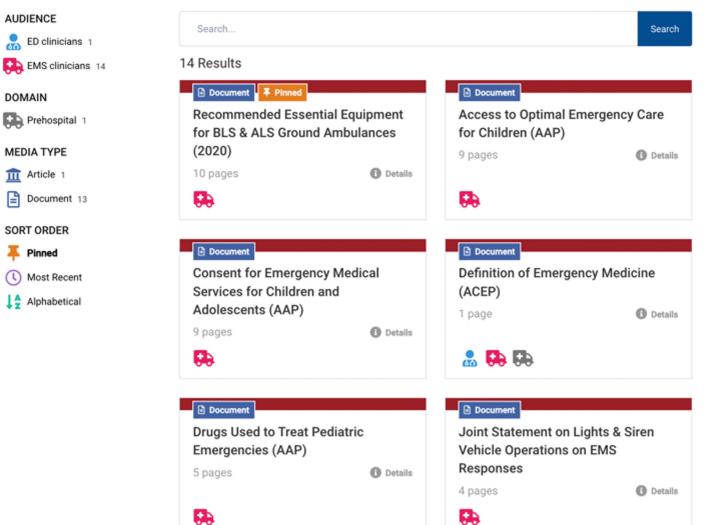






PPRP CHECKLIST

PPRP Toolkit









EMS Recognition Program

- Launched July 2014
- Multi Phase Program
 - Bronze
 - Silver
 - Gold
- 2021-2022 Revised the program
 - PM 01: NEMSIS Data Submission
 - PM 02: PECC
 - PM 03: Use of Pediatric Equipment
 - Prehospital Pediatric Readiness Project (PPRP)
 - New recommended equipment
 list
 - Air medical component added May 2023

EMS Recognition Program



Pictured from left: VFD Fire Chief Tracy Fox, VFD EMS Battalion Chief Mark Martyn, City of Victoria Mayor Jeff Bauknight, and Texas EMSC Program Manager Sam Vance



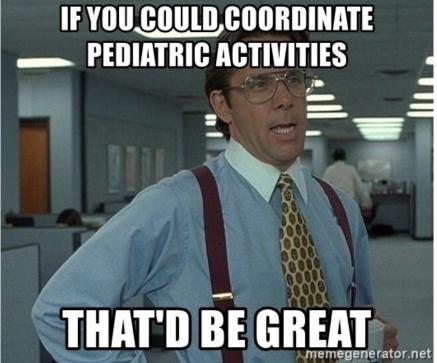
Wow...that's comprehensive, but isn't there something missing?

PECCs, Real-Life Superheroes become a pediatric emergency care coordinator (pecc)



What is a PECC?

An individual(s) who is responsible for coordinating pediatric specific activities.





Pediatric Readiness in **Emergency Medical Services** Systems

incorporated into an EMS system as a single provider or team of providers



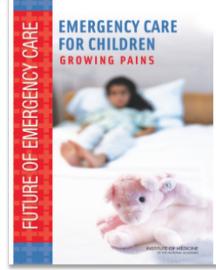
oversees the

system-based

care of

pediatric

patients



serves as a pediatric health care liaison

Highlights the importance of **PECC** leadership in **EMS** systems

promotes integration of pediatric elements into day-to-day services and disaster planning

NAEMSP RESOURCE DOCUMENT

RESOURCE DOCUMENT: COORDINATION OF PEDIATRIC EMERGENCY CARE IN EMS SYSTEMS

Katherine Remick, MD, Toni Gross, MD, MPH, Kathleen Adelgais, MD, MPH, Manish I. Shah, MD, MS, Julie C. Leonard, MD, MPH o, Marianne Gausche-Hill, MD

Value of the PECC Role





of EMS agencies *see fewer than 1 pediatric patient* a month (on average)



of EMS calls are for pediatric patients



Background

EMSC 02 PEDIATRIC EMERGENCY CARE COORDINATOR (PECC)

The percentage of EMS agencies in the state or territory that have a designated individual who coordinates pediatric emergency care.

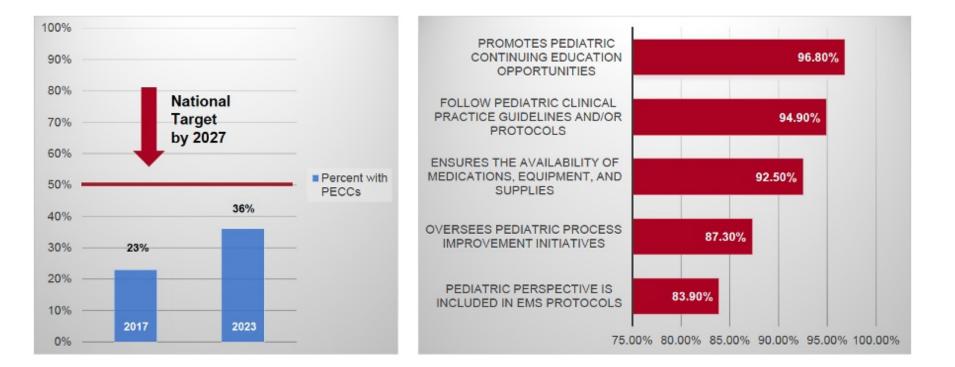
Goal for this measure is that by 2026:

Ninety percent of EMS agencies in the state or territory have a designated individual who coordinates pediatric emergency care.

- Percent of EMS agencies that have a Pediatric Emergency Care Coordinator
- Annually measured since 2017
- Numerous EMSC initiatives to promote
- Published research describing role, barriers, enablers



PECCs in EMS Agencies





Why This Role Matters









Increased staff confidence

Additional training opportunities

Improved care

Pediatric Voice



Role Benefits

Ensure resources are available	Establish QI plans
Maintain relationships	Equipment & supplies
Disaster preparedness	Hospital and EMS liaisons

Establish/maintain protocols Family-centered care



Who can fill this role?



Passion for kids is all that's required.

Physician Assistant Nurse

PECC Workforce PWDC Development Collaborative





Summary

EMS providers face many barriers to providing the best possible care for children and to being pediatric ready

The Pediatric Prehospital Readiness Project is a large-scale, years-long effort to improve knowledge and implement change for EMS agencies on the care of children



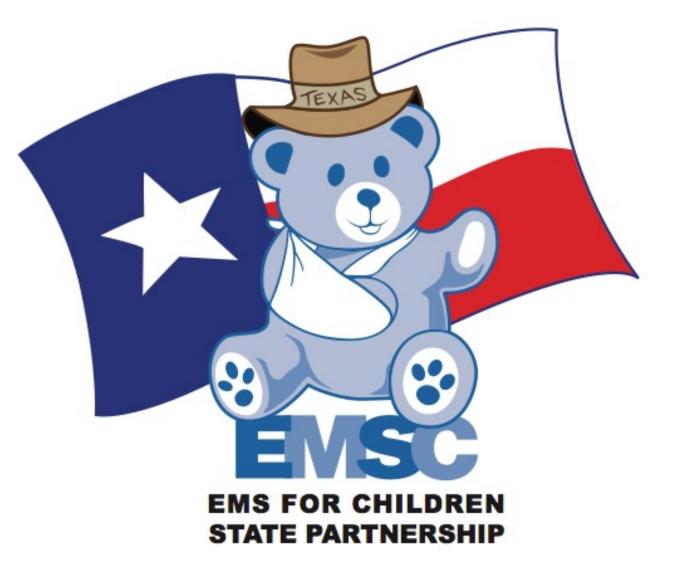
Questions

Kathryn Kothari, MD Program Director, EMSC State Partnership, Texas

Sam Vance, MHA, LP Program Manager, EMSC State Partnership, Texas

1102 Bates Ave., Suite 1850 Houston, TX 77030

- Office: 832-824-EMSC (3672)
- Email: spvance@bcm.edu
- www.bcm.edu/emsc



Special thanks to Kathleen Adelgais, MD, MPH EMSC Colorado!