



Emergency Medical Services for Children Federal Program Update for NEMSAC January 14, 2020

Theresa Morrison-Quinata, Branch Chief
Division of Child, Adolescent and Family Health, EMS for Children Branch

Vision: Healthy Communities, Healthy People



Emergency Medical Services for Children Program

Authorized by Congress to support
the expansion and improvement of
Emergency Medical Services for Children
who need treatment for trauma or critical care



Program Updates:

- EMS Agency Assessment
- Pediatric Readiness in the EMS System New Initiative
- Pediatric Readiness in the Emergency Department



Program Updates:

- EMS Agency Assessment



EMS Agency Assessment

- Launched on January 6, 2020
- By HRSA's National EMSC Data Analysis Resource Center
- In 58 States, Territories and the Freely Associated States
- Outreach to approx 8,000 to 11,000 EMS agencies
- Ends March 31, 2020
- Will have preliminary numbers by April 2020



EMS Agency Assessment

2018 Data:

- On average 7-15 minutes to complete
- Does your EMS agency:
 - Have a Pediatric Emergency Care Coordinator? **23%**
 - Have an established process on peds equipment skills check?
24%

Program Updates:

- **Pediatric Readiness in the EMS System New Initiative**



Pediatric Readiness in the EMS Systems

New Initiative

Co-Chairs:

- Dr. Kathy Brown
- Dr. Kathleen Adelgais
- Ms. Rachael Alter

Pediatric Readiness in the EMS Systems

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

American Academy
of Pediatrics



DEDICATED TO THE HEALTH OF ALL CHILDREN™

Pediatric Readiness in Emergency Medical Services Systems

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Program Updates:

- Pediatric Readiness in the Emergency Department



Care of Children in the Emergency Department

AMERICAN ACADEMY OF PEDIATRICS

American Academy of Pediatrics, Committee on Pediatric Emergency Medicine
and American College of Emergency Physicians, Pediatric Committee

Care of Children in the Emergency Department: Guidelines for Preparedness



GUIDELINES FOR

- Administration and Coordination
- Physicians and other Practitioners
- Quality Improvement
- Policies, Procedures, and Protocols
- Support Services
- Equipment, Supplies, and Medications

A Collaborative Partnership

Emergency Medical Services for Children (EMSC)

American Academy of Pediatrics (AAP)

American College of Emergency Physicians (ACEP)

Emergency Nurses Association (ENA)



Quality Improvement

An ongoing quality improvement (QI) project designed to promote optimal care of children in all state and territory emergency departments (ED)



Three-fold purpose:

- **Establish a composite baseline of the nation’s capacity to provide care to children in the ED;**
- **Create a foundation for EDs to engage in ongoing QI processes that includes implementing the guidelines;” and**
- **Establish a benchmark that measures an ED’s improvement over time.**

Background

- 2013-2014 Data: The median Weighted Pediatric Readiness Score (WPRS) for this assessment was 68.9 out of 100, indicating that a majority of hospitals lack key components deemed necessary by national guidelines

Average Pediatric Readiness Scores

Low Volume (<1800 patients)	Medium Volume (1800-4999 patients)	Medium to High Volume (5000-9999)	High Volume (>=10000)	All Participating Hospitals
62	70	74	84	69
n = 1629	n = 1248	n = 708	n = 561	n = 4146

What does the median WPRS mean – few examples?

- **47%** have a disaster preparedness plan in place that addressed the unique needs of children
- **45%** of hospital EDs reported having a pediatric care review process and only **58%** of respondents had defined pediatric quality indicators

4,100 (83%) EDs **voluntarily** participated

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Why is it is so important for EDs to be prepared?

Emergency Department Pediatric Readiness and Mortality
in Critically Ill Children

Recent study published in *Pediatrics* Aug 23, 2019:

Stefanie G. **Ames** MD MS, Billie S. **Davis** PhD, Jennifer R.
Marin MD MSc, Ericka L. **Fink** MD MS, Lenora M. **Olson**
PhD MA, Marianne **Gausche-Hill** MD, Jeremy M. **Kahn** MD
MS



Highlighted Findings

- Presentation to hospitals with high WPRS is associated with decreased mortality.
- Efforts to increase preparedness for pediatric emergencies may improve patient outcomes.



2018 Pediatric Readiness in the ED

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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DEDICATED TO THE HEALTH OF ALL CHILDREN™

- Administration and Coordination
- Physicians, Nurses, and Other Healthcare Providers
- Quality Improvement
- Policies, Procedures, and Protocols
- Patient and Medication Safety
- Support Services
- Equipment, Supplies, and Medications

Pediatric Readiness in the Emergency Department

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Emergency Medicine Committee, EMERGENCY NURSES ASSOCIATION Pediatric Committee



Launch in 2020

- June to September 2020
- 2021 forward for Continuous QI



HRSA EMSC Appreciates Your Support To:

- Encourage EMS agencies to complete the HRSA Reassessment
- Encourage Hospital EDs to complete the National Pediatric Readiness Project Assessment
- Stay tuned for more information on PedsReady in EMS Systems



Contact Information

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