Prehospital Pediatric Readiness

Kathleen Brown MD
For the Prehospital Pediatric Readiness Steering Committee
The National Pediatric Readiness Project (NPRP)

• National Quality Improvement Partnership:
  • American Academy of Pediatrics (AAP)
  • American College of Emergency Physicians (ACEP)
  • Emergency Nurses Association (ENA)
  • National EMS for Children Program (EMSC)

• Goal: *Ensure high quality emergency care for all children*

• Phase 1: 2013 National Self-Assessment ([www.pedsready.org](http://www.pedsready.org))
• Phase 2: Various QI efforts, Resource Development (P-D-S-A)
• Phase 3: 2020 National Reassessment (*in development*)
Of the 5,017 assessments sent - 4,149 (82.7%) ED Managers responded.
We encourage you to print or export this report to pdf as you will not have access to the report after exiting this screen (see the buttons above).

This score represents the essential components needed to establish a foundation for pediatric readiness. Not all of the questions on the assessment are scored. The score is in no way inclusive of all the components recommended for pediatric readiness; it represents a suggested starting point for hospitals. We encourage you to carefully review the Guidelines for Care of Children in the Emergency Department to develop a comprehensive pediatric readiness program for your hospital. The scoring criteria was developed by a group of clinical experts through a modified-delphi process.

YOUR SCORE AND COMPARATIVE SCORES:

![Score Display]

YOUR HOSPITAL SCORE OUT OF 100  
74
n=529
AVERAGE SCORE OF SIMILAR PEDIATRIC ED VOLUME HOSPITALS

AVERAGE SCORE OF ALL PARTICIPATING HOSPITALS

ANALYSIS OF YOUR SCORE:

Below are your scores* for each section of the assessment. The scores are based on the weighted assessment items for each section and are displayed on the right-hand side. The weighted assessment items that you indicated were missing from your ED are listed beneath the section header with an explanation as to why the items are important, as well as links to additional resources for improvement.

* The sum of the sectional scores below may vary slightly from your actual overall readiness score above due to rounding.

<table>
<thead>
<tr>
<th>Section Description</th>
<th>Your Score</th>
</tr>
</thead>
<tbody>
<tr>
<td>Guidelines for Administration and Coordination of the ED for the Care of Children</td>
<td>19.0 out of 19</td>
</tr>
<tr>
<td>Physicians, Nurses, and Other Health Care Providers Who Staff the ED</td>
<td>5.0 out of 10</td>
</tr>
</tbody>
</table>

YOUR SCORE:

Guidelines for Administration and Coordination of the ED for the Care of Children

You have all the scored elements in this section. For additional improvement ideas see below.

RESOURCES FOR IMPROVEMENT: For additional resources regarding the guidelines for administration and coordination of the ED refer to the Guidelines for Care of Children in the Emergency Department or visit the resources available about this section found at www.pediatricreadiness.org under Readiness Toolkit > Administration and Coordination.

- You indicated that specific pediatric competency evaluations ARE NOT required of physicians staffing the ED.
Pediatric Readiness Toolkit

• Online/Open access
• Resources developed in 2012-2014
• Directed at providers who participated in NPRP assessment (gap analysis)

• Revision process started 2019
The Pediatric Readiness Quality Collaborative

- 16 teams across 17 states: Alaska; California; Connecticut; Georgia; Illinois; Indiana; Kansas; Missouri; New Jersey; New York; Oregon; Tennessee; Texas; Vermont; Washington; Wisconsin
Impact on outcomes

• Emergency Department Pediatric Readiness and Mortality in Critically Ill Children
  • Stefanie G. Ames, MD, MS,a Billie S. Davis, PhD,e Jennifer R. Marin, MD, MSc,c,d Ericka L. Fink, MD, MS,c,e Lenora M. Olson, PhD, MA,g Marianne Gausche-Hill, MD,e,h,i Jeremy M. Kahn, MD, MSe,f
Next National Re-Assessment... Coming in 2020

www.pedsready.org
Just Published ...

Pediatric Readiness in Emergency Medical Services Systems

**AMERICAN ACADEMY OF PEDIATRICS**
Committee on Pediatric Emergency Medicine

**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

**TITLE:** 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.
Prehospital Pediatric Readiness Steering Committee

• Charter: Purpose
  • ......improvement of pediatric emergency care outcomes and patient safety within the prehospital environment (local, regional and state levels).
Membership

• American Academy of Pediatrics (AAP)
• American Ambulance Association (AAA)
• American College of Emergency Physicians (ACEP) – Emergency Medical Services Section
• ACEP – Pediatric Emergency Medicine Section
• American College of Surgeons (ACS) – Committee on Trauma (COT)
• Assistant Secretary for Preparedness and Response (ASPR) – Emergency Care Coordination Center (ECCC)
• EMS for Children (EMSC) Innovation & Improvement Center (EIIC)
• EMSC Family Advisory Network (FAN)
• EMSC State Partnership (SP) Grantees
• Emergency Nurses Association (ENA)
• International Association of EMS Chiefs (IAEMSC)
• International Association of Fire Chiefs (IAFC)
• International Association of Fire Fighters (IAFF)
• Health Resources & Services Administration (HRSA)
• National Association of EMS Educators (NAEMSE)
• National Association of State EMS Officials (NASEMSO)
• National Association of EMS Physicians (NAEMSP)
• National Association of Emergency Medical Technicians (NAEMT)
• National EMSC Data Analysis Resource Center (NEDARC)
• National EMS Management Association (NEMSMA)
• National Highway Traffic Safety Administration (NHTSA) – Office of EMS (OEMS)
• National Pediatric Readiness Steering Committee
• National Pediatric Readiness Toolkit Steering Committee
• National Registry of Emergency Medical Technicians (NREMT)
• National Volunteer Fire Council (NVFC)
• Pediatric Emergency Care Research Network (PECARN)
Goals and Objectives

• **ASSESS:** Using a nationwide assessment, evaluate pediatric readiness within EMS systems.

• **IMPROVE:** Using the EMS Joint Policy statement and the EMS nationwide assessment, define and implement no fewer than two specific pediatric readiness improvements.

• **MEASURE:** Within EMS systems, assess the impact of pediatric readiness following pediatric readiness improvement implementation.

• **SUSTAIN:** Continue to develop improvement efforts for prehospital pediatric emergency care.
EMS for Children Data Collection 2017-2018

- 11,027 EMS agencies contacted
- 8,730 EMS agencies responded (79.2%)
- 80% of EMS agencies see fewer than 8 pediatric patients per month
EMS for Children Performance Measures

• EMSC 02: Percent of EMS agencies in the state/territory that have a designated individual who coordinates pediatric emergency care

• EMSC 03: Percent of EMS agencies in the state/territory that have a process that requires EMS providers to physically demonstrate the correct use of pediatric-specific equipment

Goal: 90% by 2026
EMS for Children Performance Measure 02

- The percent of EMS agencies in the state/territory that have a designated individual who coordinates pediatric emergency care

<table>
<thead>
<tr>
<th>Pediatric Emergency Care Coordinator</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Has a PECC</td>
<td>22.9% (n=1,874)</td>
</tr>
<tr>
<td>Plans to Add a PECC</td>
<td>3.4% (n=275)</td>
</tr>
<tr>
<td>Interested in a PECC</td>
<td>24.6% (n=2,011)</td>
</tr>
<tr>
<td>No PECC</td>
<td>49.1% (n=4,006)</td>
</tr>
</tbody>
</table>
Objective

To form a cohort of EMSC State Partnership Grant recipients to participate in a learning collaborative that will demonstrate effective, replicable strategies to increase the number of local EMS agencies with a PECC.

Focused Aim

By March 31, 2019, 9 participating states will have established a PECC in > 50% of local EMS agencies that indicated an interest in adding this role on the 2017 – 2018 National EMSC Survey.
New PECCs Established

Growing the workforce for prehospital pediatric readiness

- **Beginning of PECC Community of Practice**: 8/23/19
- **Collaborative began**: 10/1/19

<table>
<thead>
<tr>
<th>Date</th>
<th>Number of PECCs in States</th>
</tr>
</thead>
<tbody>
<tr>
<td>Oct.</td>
<td>13</td>
</tr>
<tr>
<td>Nov.</td>
<td>84</td>
</tr>
<tr>
<td>Dec.</td>
<td>100</td>
</tr>
<tr>
<td>Jan.</td>
<td>142</td>
</tr>
<tr>
<td>Feb.</td>
<td>213</td>
</tr>
<tr>
<td>Mar.</td>
<td>341</td>
</tr>
<tr>
<td>Apr.</td>
<td>387</td>
</tr>
<tr>
<td>May</td>
<td>405</td>
</tr>
<tr>
<td>Jun.</td>
<td>419</td>
</tr>
<tr>
<td>Jul.</td>
<td>444</td>
</tr>
<tr>
<td>Aug.</td>
<td>525</td>
</tr>
</tbody>
</table>

**Values** vs. **Goal**

(Date)
Next Steps

• Publication of the policy and technical report  January 2020
• Finalize checklist  February 2020
• Disseminate Checklist  2020
• Develop toolkit   2020-2022
• Develop survey  2020-2022
• Administer survey  2023
• Improvement collaboratives  2024
• Sustain and improve toolkit and survey