

## EMS for Children Program

### 2021 EMS Agency Survey Results

#### Data Collection Numbers:

Number of Respondents: **7,025**

Number Surveyed: **15,768**

Response Rate: **44.6%**

Number of Records in Dataset (after data cleaning)\*: **6,947**

\*Data cleaning includes removing agencies that do not respond to 911 and duplicates, etc.

#### Performance Measures EMSC 02 and EMSC 03:

Number of Records Used in Performance Measure Calculation (see below): **6,910**

#### Performance Measure Exclusions\*:

Indian Health Services or Tribal Agencies Participating: **20**, Military Facilities Participating: **7**, Air-Only Agencies: **10**, Water-Only Agencies: **0**, or Other: **0**

\*The agencies listed above are excluded from any final calculations related to the Performance Measures (see below). However, all states and/or territories were given the opportunity to survey these agencies for additional reporting based on state interest and need. Therefore, information from these agencies is included in all other data points.

#### Pediatric Emergency Care Coordinator (EMSC 02):

**35.7%**  
(2,467/6,910)

(Exclusions See Above)

#### Use of Pediatric-Specific Equipment (EMSC 03):

**24.6%**  
(1,697/6,910)

(Exclusions See Above)

A respondent needed to answer YES to "Having a designated individual who coordinates pediatric emergency care" in the survey to meet this measure.

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.

## EMSC 02 - Pediatric Emergency Care Coordinator (PECC) Performance Measure Trending:

### Trending Over Time:

There are many ways to measure improvement over time. On this page, you can see how the nation performed for EMSC 02:

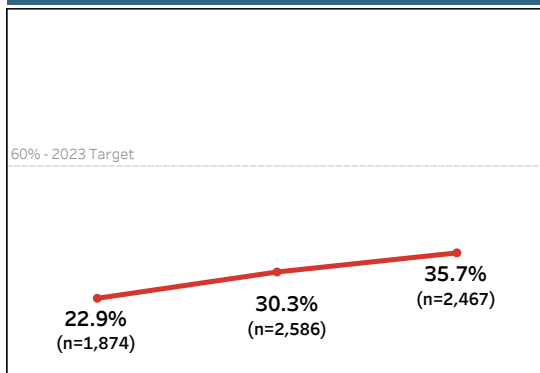
**1) Trend Over Time** - This looks at all respondents in all three survey years to see how the nation's performance measure numbers are changing. The number of respondents may not be the same because response rates often change and the same agencies do not always participate.

**2) Trend Over Time (One to One Analysis)** - This looks at only those agencies who participated in all three years of the survey. This type of analysis illustrates collective upward or downward movement with EMSC 02 over time for those agencies who completed the survey in all three years.

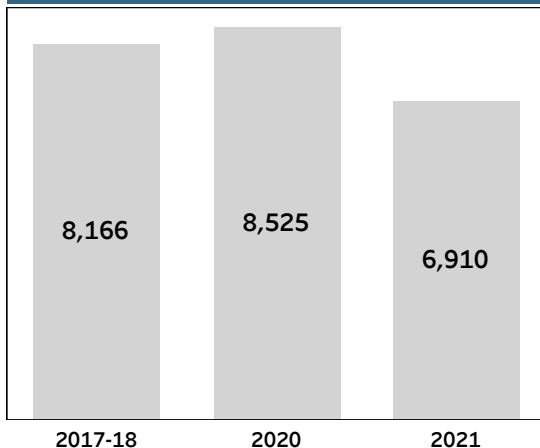
The horizontal dashed gray line in the graphs indicates the EMSC National Target for 2023 which is 60%.

**BELOW:** Percent and Number of Agencies that Reported **Meeting** EMSC 02 by Survey Year.

#### EMSC 02 - Trend Over Time (Met PM):

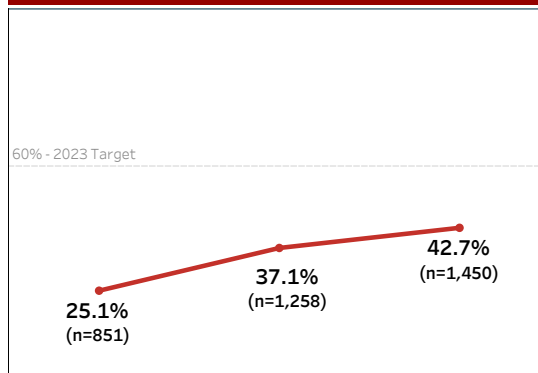


#### EMSC 02 - # of Agencies that Responded Each Year:

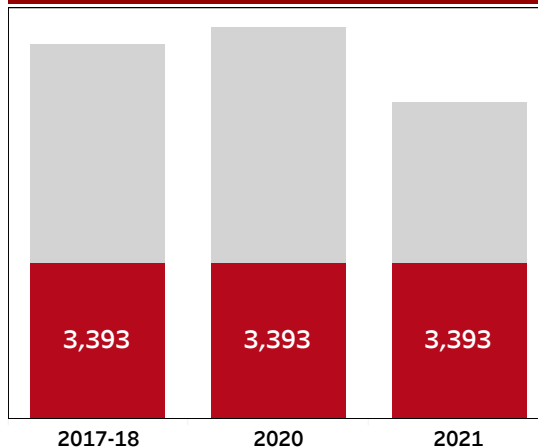


**BELOW:** Percent and Number of Agencies Participating in **ALL THREE** Survey Years that Reported **Meeting** EMSC 02.

#### EMSC 02 - Trend Over Time (Met PM - 1:1 Analysis)



#### EMSC 02 - # of Agencies that Responded **EVERY** Year:



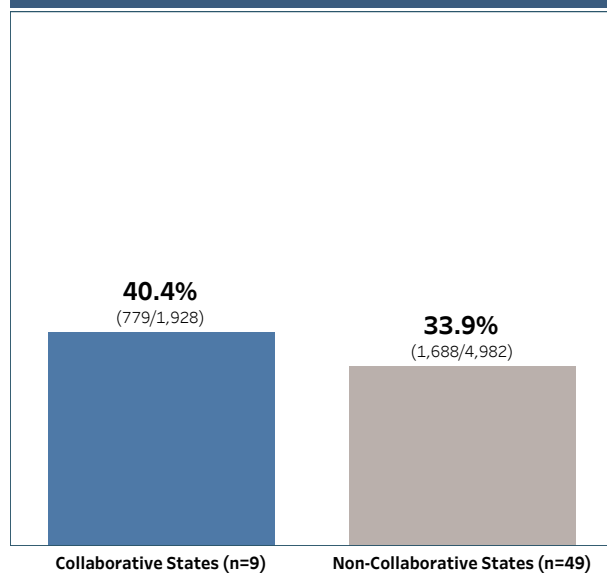
## Pediatric Emergency Care Coordinator (PECC) Learning Collaborative:

From October 2018 through March 2019, the Emergency Medical Services for Children Innovation and Improvement Center (EIIIC) conducted a Pediatric Emergency Care Coordinator (PECC) Learning Collaborative to demonstrate effective, replicable strategies to increase the number of EMS agencies with a pediatric emergency care coordinator (PECC).

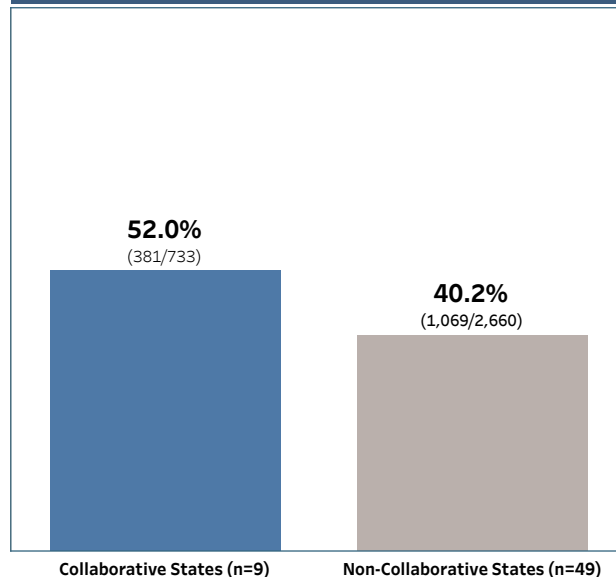
Nine EMSC State Partnership Grant recipients participated in the collaborative. Using 2021 performance measure data only, the results below compare the 9 participating states to the 49 non-participating states. Results will help inform and advance efforts with all 58 EMSC State Partnership recipient sites to increase adoption of a PECC.

Graph 2 demonstrates that agencies that participated in all three years of the survey were even more likely to have a PECC in 2021 if they were within a state that participated in the collaborative.

**Graph 1: Percent of All Agencies in 2021 with a PECC (n=2467) - Collaborative vs. Non-Collaborative States**



**Graph 2: Percent of Agencies in 2021 with a PECC that Participated in All Three Survey Periods (n=1258) - Collaborative vs. Non-Collaborative States**



## EMSC 03 - Use of Pediatric-Specific Equipment Performance Measure Trending:

### Trending Over Time:

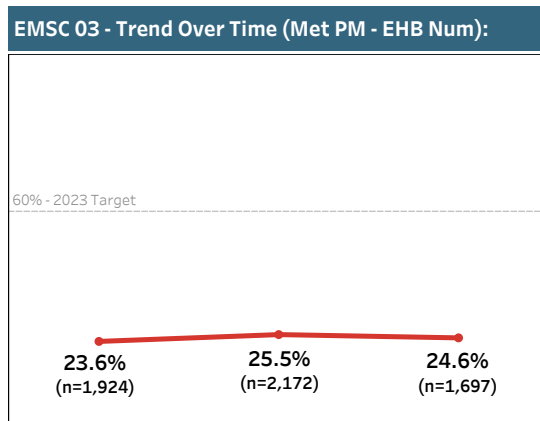
There are many ways to measure improvement over time. On this page, you can see how the nation performed for EMSC 03:

**1) Trend Over Time** - This looks at all respondents in all three survey years to see how the nation's performance measure numbers are changing. The number of respondents may not be the same because response rates often change and the same agencies do not always participate.

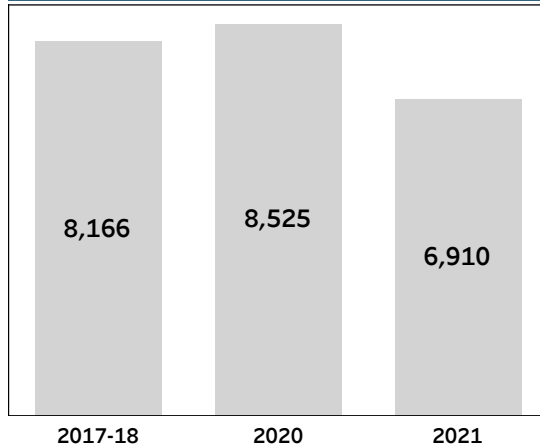
**2) Trend Over Time (One to One Analysis)** - This looks at only those agencies who participated in all three years of the survey. This type of analysis illustrates collective upward or downward movement with EMSC 03 over time for those agencies who completed the survey in all three years.

The horizontal dashed gray line in the graphs indicates the EMSC National Target for 2023 which is 60%.

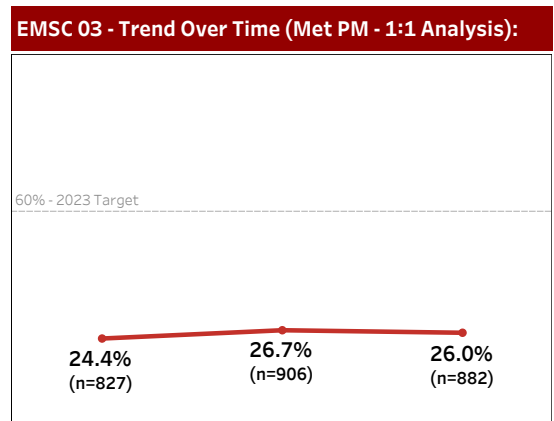
**BELOW:** Percent and Number of Agencies that Reported **Meeting** EMSC 03 by Survey Year.



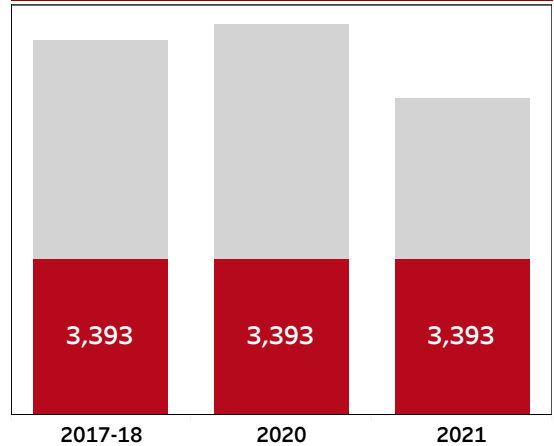
#### EMSC 03 - # of Agencies that Responded Each Year:



**BELOW:** Percent and Number of Agencies Participating in **ALL THREE** Survey Years that Reported **Meeting** EMSC 03.



#### EMSC 03 - # of Agencies that Participated Every Year:

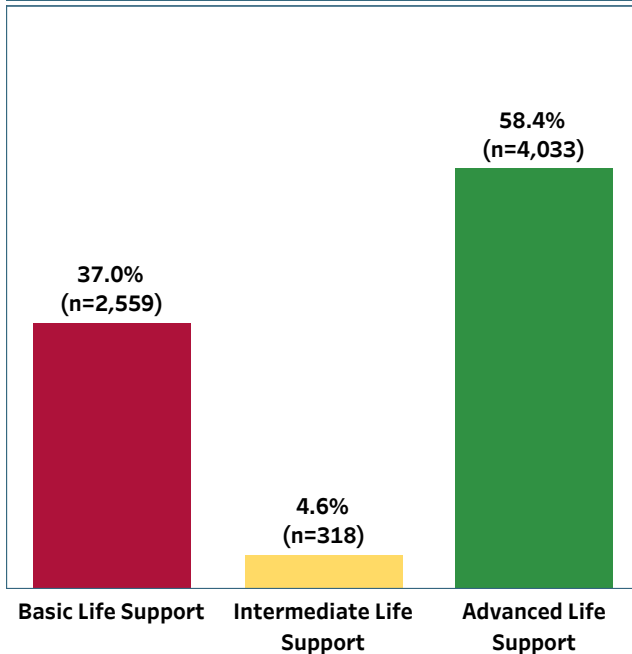


## Agency Demographics for 2021

Survey Year:  
2021

Agency Type:  
Performance Measure Age..

### Agencies by Highest Licensure:



### Type of Providers Reported\*:

Emergency Medical Responder (EMR) n=19,683

Emergency Medical Technician (EMT) n=162,017

Advanced EMT (AEMT) n=29,305

Paramedic n=115,026

\* Number of Responding Agencies Not Reporting: 71

### Pediatric Call Volume by Number and % of Agencies:

	Num of Agencies	% of Agencies
NONE: No Pediatric Calls in the Last Year	235	3.4%
LOW: Twelve (12) or fewer pediatric calls in the last year (1 or fewer pediatric calls per month)	2,937	42.5%
MEDIUM: Between 13-100 pediatric calls in the last year (1 - 8 pediatric calls per month)	2,595	37.6%
MEDIUM HIGH: Between 101-600 pediatric calls in the last year (8 - 50 pediatric calls per month)	864	12.5%
HIGH: More than 600 pediatric calls in the last year (more than 50 pediatric calls per month)	260	3.8%
No Response	19	0.3%
<b>Grand Total</b>	<b>6,910</b>	<b>100.0%</b>

## Pediatric Emergency Care Coordinator (PECC) Overview for 2021

Survey Year:  
2021

Pediatric Call Volume:  
All

% of Total Total Numbe..  
30.1% 97.1%

Agency Type:  
Performance Measure A..

Pediatric Emergency Care Coordinator:	
Has a PECC	35.7% (n=2,467)
Plans to Add a PECC	4.3% (n=295)
Interested in a PECC	18.2% (n=1,257)
No PECC	41.8% (n=2,891)

Pediatric Emergency Care Coordinator Oversees:	
Oversees Multiple Agencies	19.2% (n=474)
Oversees Only Our Agency	80.8% (n=1,993)

Other Reported PECC Activities (shared by respondents):	
1 of our associate medical directors is a pediatric ER physician. He oversees the tr	
1st quarter of the year we devote to Pediatric training, written, oral surprise testi	
100% of all pediatric calls go through CQI and all ALS HALO pediatric calls are repo	
"other" was selected as we strive to educate our community as well as our depart	
"Question, Persuade, and Refer" suicide prevention program & other outreach init	
(Prior to COVID)Participates in community/ public events to promote pediatric saf	
A part of the county Emergency Management Agency	
Accomplishes QI QA to ensure training is appropriate based on needs and evidence	
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Agencies who Have a PECC - Reported PECC Duties:	
Promote pediatric continuing education opportunities	97.1%
Ensure that fellow providers follow pediatric clinical practice guidelines and/or protocols	95.6%
Ensure the availability of pediatric medications, equipment, and supplies	92.2%
Oversee pediatric process improvement initiatives	87.9%
Ensure the pediatric perspective is included in the development of EMS protocols	83.2%
Promote agency participation in pediatric prevention programs	76.3%
Promote family-centered care	61.4%
Coordinate with the emergency department pediatric emergency care coordinator	54.5%
Promote agency participation in pediatric research efforts	48.8%
Other Activities	30.1%

## Use of Pediatric-Specific Equipment Overview for 2021

### Use of Pediatric-Specific Equipment:

6 pts or Higher 24.6% (n=1,697)

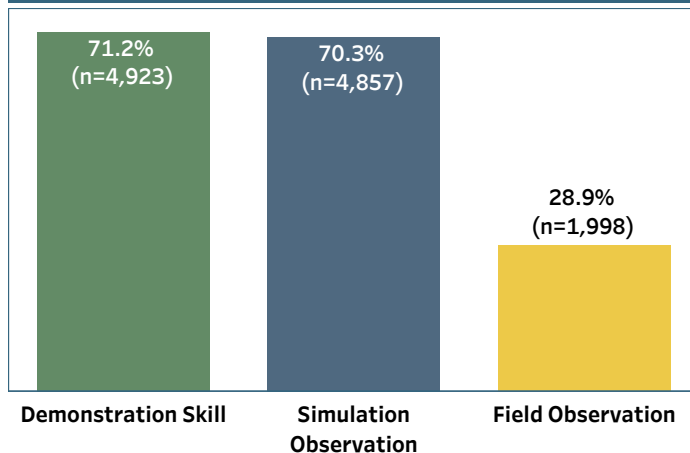
Less than 6 pts 75.4% (n=5,213)

Survey Year:  
2021

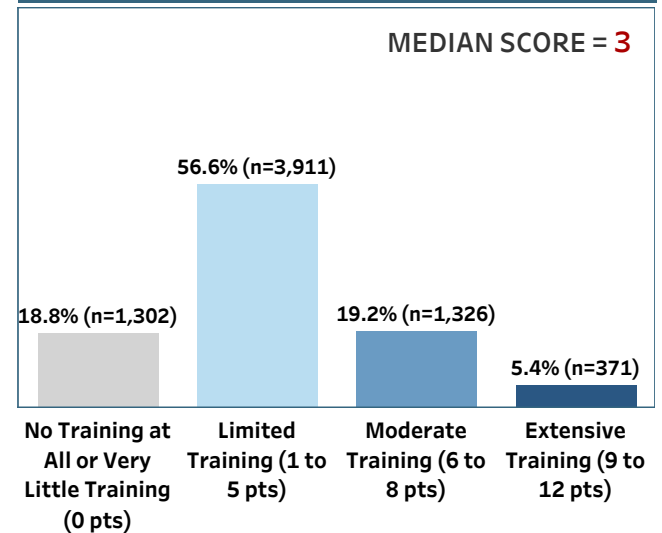
Pediatric Volume:  
All

Agency Type:  
Performance Measure Age..

### Percent and Type/Method of Skill Checking Reported:



### Breaking Down the Score = Frequency of Training:



### Use of Pediatric-Specific Equipment Matrix:

% of Agencies:	Two or more times per year (4pts)	At least once per year (2pts)	At least once every two years (1pt)	Less frequency than once every two years (0 pts)	None
1.8% 71.1%					
How often are your providers required to demonstrate skills via a SKILL STATION?	14.0% (n=964)	41.2% (n=2,846)	14.3% (n=989)	1.8% (n=124)	28.8% (n=1,987)
How often are your providers required to demonstrate skills via a SIMULATED EVENT?	11.3% (n=783)	40.3% (n=2,784)	16.1% (n=1,110)	2.6% (n=180)	29.7% (n=2,053)
How often are your providers required to demonstrate skills via a FIELD ENCOUNTER?	6.3% (n=433)	14.3% (n=986)	5.0% (n=344)	3.4% (n=235)	71.1% (n=4,912)

This matrix was used to score the type of skill demonstration/simulation and the frequency of occurrence. A score of 6 pts or higher "met" the measure. The darker the box the higher the percentage of agencies in that group. See pg. 35 in the "EMSC for Children Performance Measures, Implementation Manual for State Partnership Grantees, Effective March 1st, 2017" for additional information about this matrix.