
EMS for Children Program

2020 EMS Agency Survey Results

Data Collection Numbers:

Number of Respondents: **9,114**

Number Surveyed: **16,316**

Response Rate: **55.9%**

Number of Records in Dataset (after data cleaning)*: **8,591**

*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): **8,525**

Performance Measure Exclusions*:

Indian Health Services or Tribal Agencies Participating: **43**, Military Facilities Participating: **10**, Air-Only Agencies: **13**, 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):

30.3%
(2,586/8,525)

(Exclusions See Above)

Use of Pediatric-Specific Equipment (EMSC 03):

25.5%
(2,172/8,525)

(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 your state performed for EMSC 02:

1) **Trend Over Time** - This looks at all respondents in both survey years to see how your state'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.

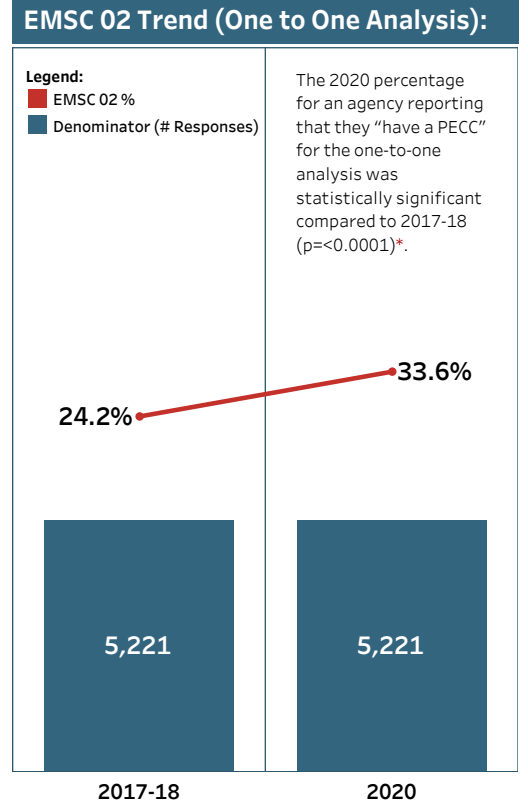
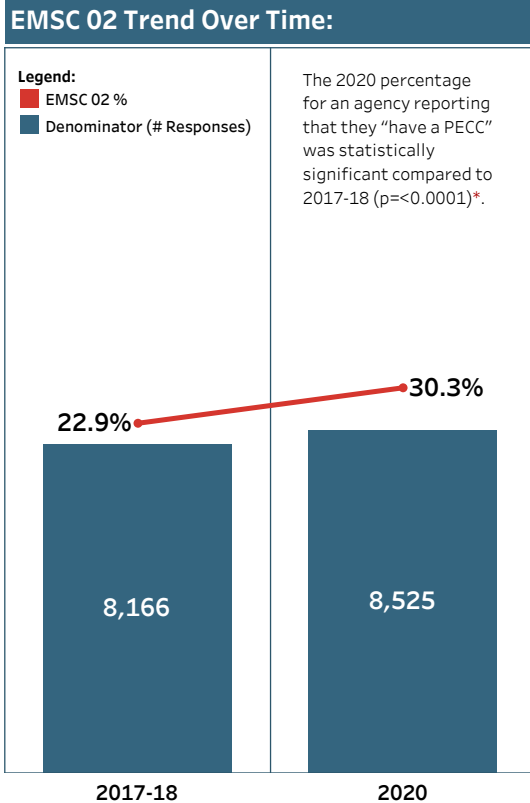
2) **Trend Over Time (One to One Analysis)** - This looks at only those agencies who participated in both years of a survey. This type of analysis illustrates collective upward or downward movement with EMSC 02 over time for those agencies who completed the survey in both years.

RIGHT: Number of Agencies that Reported Meeting EMSC 02 by Survey Year. Percentage plotted below.

Survey Year	EMSC 02 %
2017-18	1,874 out of 8,166
2020	2,586 out of 8,525

RIGHT: Number of Agencies Participating in BOTH Survey Years that Reported Meeting EMSC 02. Percentage plotted below.

Survey Year	EMSC 02 %
2017-18	1,265 out of 5,221
2020	1,753 out of 5,221



* Using a Chi-Square Test

Pediatric Emergency Care Coordinator (PECC) Learning Collaborative:

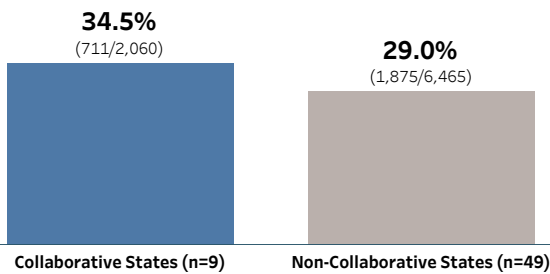
From October 2018 through March 2019, the Emergency Medical Services for Children Innovation and Improvement Center (EICC) conducted a Pediatric Emergency Care Coordinator (PECC) Learning Collaborative to demonstrate effective, replicable strategies to increase the number of EMS agencies with a pediatric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

Nine EMSC State Partnership Grant recipients participated in the collaborative. Using 2020 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 both the 2017-18 and 2020 survey were even more likely to have a PECC in 2020 if they were within a state that participated in the collaborative.

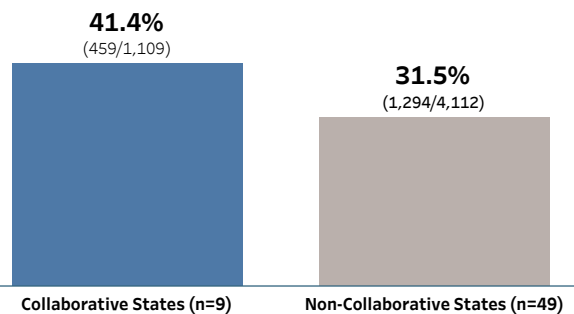
Graph 1: Percent of All Agencies in 2020 with a PECC (n=8525) - Collaborative vs. Non-Collaborative States

The 2020 percentage for an agency reporting that they "have a PECC" and their state was part of the collaborative was statistically significant ($p < 0.0001$) compared to states that were not part of the collaborative*.



Graph 2: Percent of Agencies in 2020 with a PECC that Participated in Both Survey Periods (n=5221) - Collaborative vs. Non-Collaborative States

The 2020 percentage for an agency reporting that they "have a PECC," participated in both survey periods, and their state was part of the collaborative was statistically significant ($p < 0.0001$) compared to the states that were not part of the collaborative*.



* Using a Chi-Square Test

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

Trending Over Time:

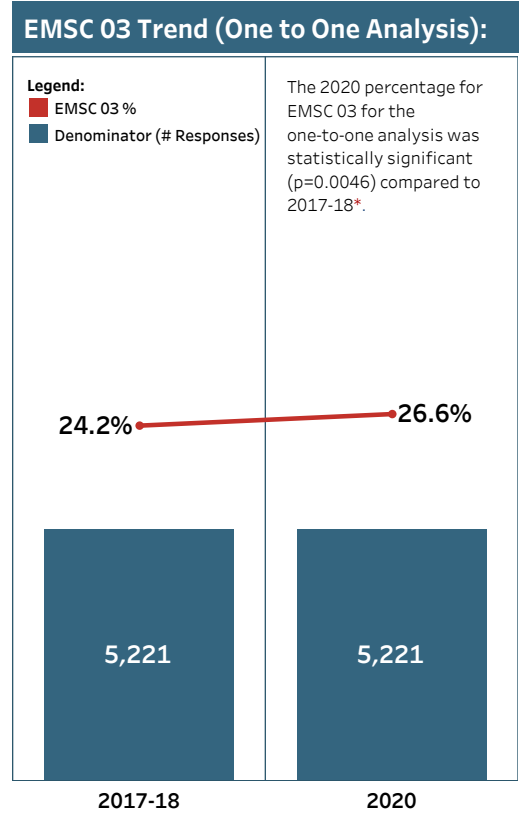
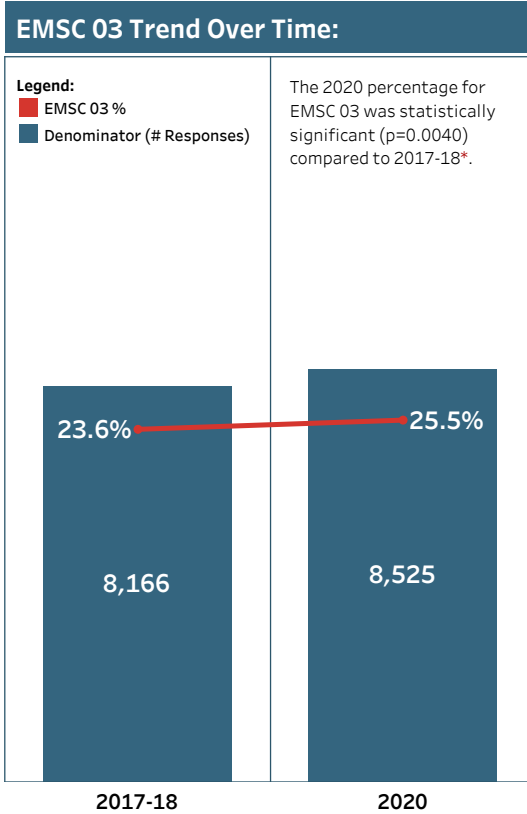
There are many ways to measure improvement over time. On this page, you can see how your state performed for EMSC 02:

1) **Trend Over Time** - This looks at all respondents in both survey years to see how your state'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 both years of a survey. This type of analysis illustrates collective upward or downward movement with EMSC 02 over time for those agencies who completed the survey in both years.

RIGHT: Number of Agencies that Reported Meeting EMSC 03 by Survey Year. Percentage plotted below.	Survey Year	
	2017-18	1,924 out of 8,166
	2020	2,172 out of 8,525

RIGHT: Number of Agencies Participating in BOTH Survey Years that Reported Meeting EMSC 03. Percentage plotted below.	Survey Year	
	2017-18	1,263 out of 5,221
	2020	1,389 out of 5,221

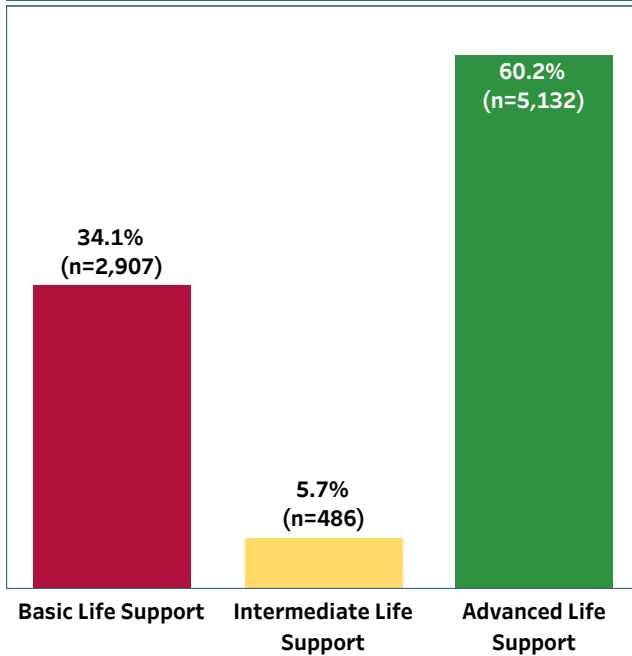


* Using a Chi-Square Test

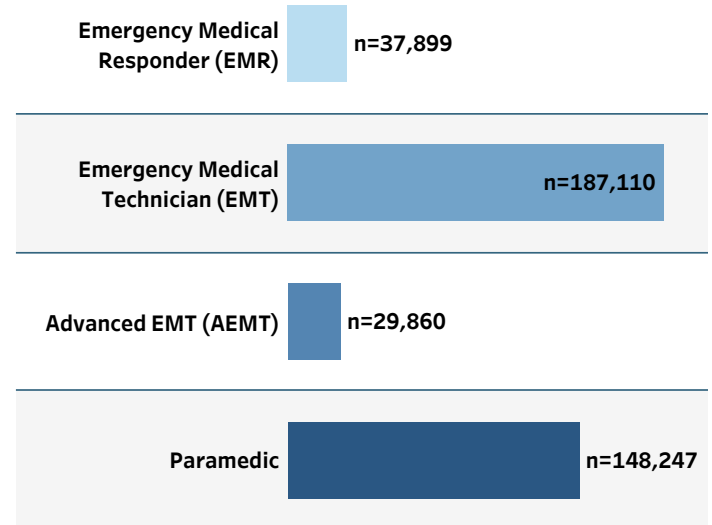
Agency Demographics for 2020

Survey Year: 2020 Agency Type: Performance Measure Age..

Agencies by Highest Licensure:



Type of Providers Reported*:



* Number of Responding Agencies Not Reporting: 98

Pediatric Call Volume by Number and % of Agencies:

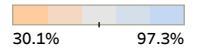
	Num of Agencies	% of Agencies
NONE: No Pediatric Calls in the Last Year	236	2.8%
LOW: Twelve (12) or fewer pediatric calls in the last year (1 or fewer pediatric calls per month)	3,478	40.8%
MEDIUM: Between 13-100 pediatric calls in the last year (1 - 8 pediatric calls per month)	3,169	37.2%
MEDIUM HIGH: Between 101-600 pediatric calls in the last year (8 - 50 pediatric calls per month)	1,267	14.9%
HIGH: More than 600 pediatric calls in the last year (more than 50 pediatric calls per month)	337	4.0%
No Response	38	0.4%
Grand Total	8,525	100.0%

Pediatric Emergency Care Coordinator (PECC) Overview for 2020

Survey Year:
2020

Pediatric Call Volume:
All

% of Total Total Numbe..



Agency Type:
Performance Measure A..

Pediatric Emergency Care Coordinator:

Has a PECC		30.3% (n=2,586)
Plans to Add a PECC		4.3% (n=364)
Interested in a PECC		20.2% (n=1,722)
No PECC		45.2% (n=3,853)

Pediatric Emergency Care Coordinator Oversees:

Oversees Multiple Agencies		22.4% (n=579)
Oversees Only Our Agency		77.6% (n=2,007)

Other Reported PECC Activities (shared by respondents):

Access to pediatric physician's, training and building programs with Children's Tra
Active with DOSE program and community outreach opportunities.
Actively seeks out agencies to promote pediatric care to our individuals and event
Additional exercises and educational opportunities.
Administrative and Research
Adult care
adult care also
Adult care and medical direction and guideline development
ADULT EMS AS WELL

Agencies who Have a PECC - Reported PECC Duties:

Promote pediatric continuing education opportunities	97.3%
Ensure that fellow providers follow pediatric clinical practice guidelines and/or protocols	95.3%
Ensure the availability of pediatric medications, equipment, and supplies	91.9%
Oversee pediatric process improvement initiatives	86.4%
Ensure the pediatric perspective is included in the development of EMS protocols	83.6%
Promote agency participation in pediatric prevention programs	74.2%
Promote family-centered care	56.3%
Coordinate with the emergency department pediatric emergency care coordinator	55.8%
Promote agency participation in pediatric research efforts	43.9%
Other Activities	30.1%

Use of Pediatric-Specific Equipment Overview for 2020

Use of Pediatric-Specific Equipment:

6 pts or Higher  25.5% (n=2,172)

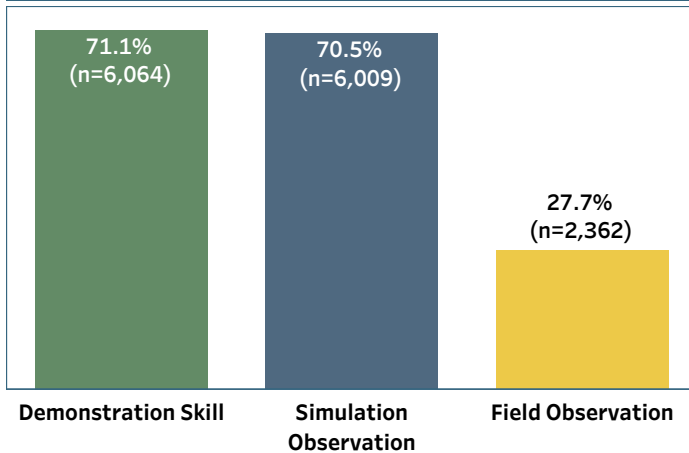
Less than 6 pts  74.5% (n=6,353)

Survey Year:
2020

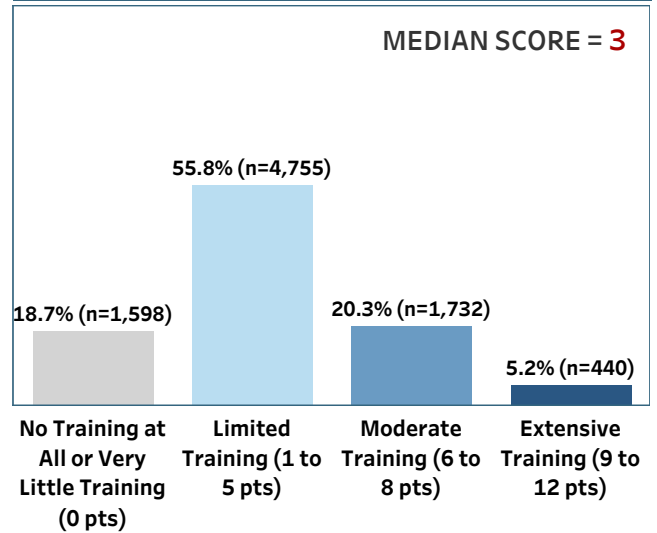
Pediatric Volume:
All

Agency Type:
Performance Measure Age..

Percent and Type/Method of Skill Checking Reported:

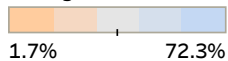


Breaking Down the Score = Frequency of Training:



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

	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
How often are your providers required to demonstrate skills via a SKILL STATION?	15.2% (n=1,298)	40.4% (n=3,446)	13.7% (n=1,171)	1.7% (n=149)	28.9% (n=2,461)
How often are your providers required to demonstrate skills via a SIMULATED EVENT?	12.1% (n=1,029)	39.5% (n=3,368)	16.3% (n=1,390)	2.6% (n=222)	29.5% (n=2,516)
How often are your providers required to demonstrate skills via a FIELD ENCOUNTER?	6.2% (n=531)	13.4% (n=1,140)	4.6% (n=396)	3.5% (n=295)	72.3% (n=6,163)

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.