

2020 National EMS for Children Survey

Colorado Results

The EMS for Children Program conducts an annual national survey of EMS agencies to better understand the EMS system's ability to care for pediatric patients. This report includes a summary of the 2020 data from Colorado EMS agencies who participated in the survey.

To learn more about the survey and the efforts of the EMS for Children program in Colorado, please contact the EMS for Children Colorado Program Manager Stacey Quesada at stacey.quesada@cuanschutz.edu.

OVERVIEW



34.2%

(30.3% nationally)
Colorado agencies with a designated Pediatric Emergency Care Coordinator (PECC)



37.4%

(25.5% nationally)
Colorado agencies conducting frequent skill checks on pediatric-specific equipment

PARTICIPANTS

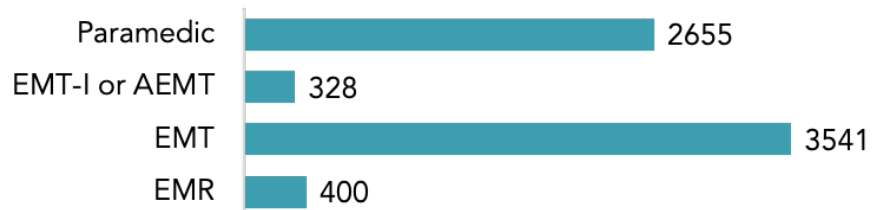


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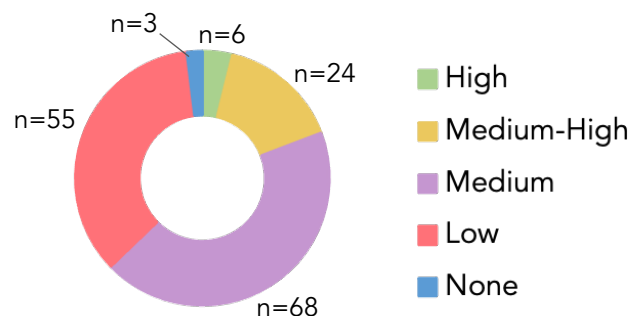
Transporting and non-transporting Colorado EMS agencies that respond to 911 calls

Agencies by highest licensure	BLS	ILS	ALS
	19	7	130

Types of Providers at Participating Agencies



Pediatric Call Volume by Number of Agencies

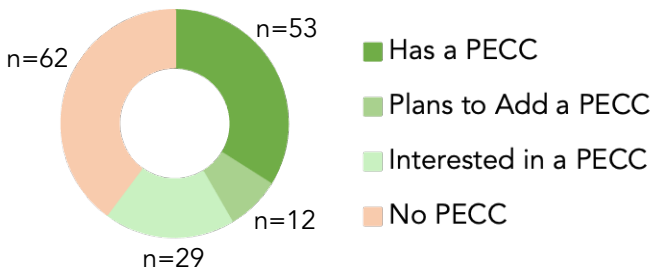


PEDIATRIC EMERGENCY CARE COORDINATORS

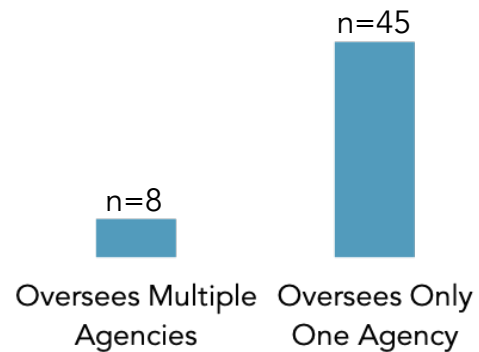
WHAT IS A PECC?

A Pediatric Emergency Care Coordinator, or PECC, is a designated individual(s) who is responsible for coordinating and championing pediatric-specific activities for an EMS agency. This individual(s) could serve as the PECC for one or more EMS agencies.

PECCS AT COLORADO AGENCIES



PECC OVERSIGHT IN COLORADO



PECC DUTIES IN COLORADO

Percentage of PECCs That Take On Common Duties

Promote pediatric continuing education	98.1%
Ensure providers follow pediatric clinical practice guidelines and/or protocols	94.3%
Ensure pediatric perspective is included in the development of EMS protocols	88.7%
Oversee pediatric process improvement initiatives	86.8%
Ensure availability of pediatric medications, equipment, and supplies	83.0%
Promote agency participation in pediatric prevention programs	75.5%
Promote family-centered care	64.2%
Coordinate with the ED pediatric emergency care coordinator	52.8%
Promote agency participation in pediatric research efforts	32.1%
Other	32.1%

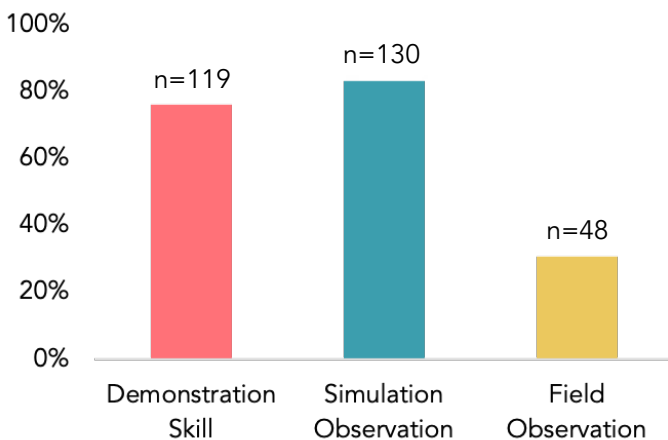
USE OF PEDIATRIC-SPECIFIC EQUIPMENT

SIGNIFICANCE

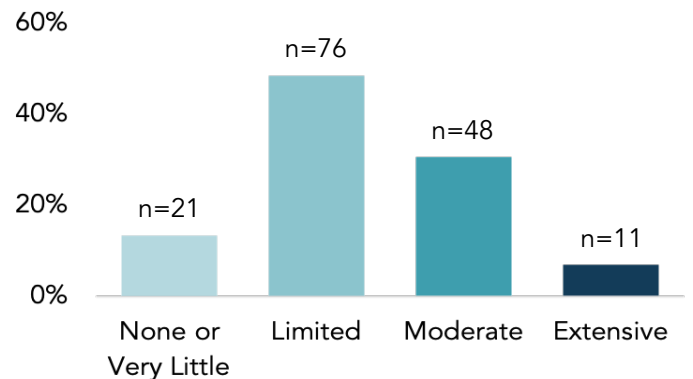
The processes & frequency of skill-checking evaluations for EMS providers has long been established as important for the maintenance of skills when treating patients for improved patient outcomes.¹⁻³

Miller's Model of Clinical Competence provides a framework for clinical evaluation that theorizes that competency for clinical skills can be demonstrated for EMS through a combination of skill stations, case scenarios and simulations, and real life field observations with a frequency of at least twice a year.^{3,4}

TYPE/METHOD OF PEDIATRIC SKILL CHECKING REPORTED



FREQUENCY OF SKILL CHECKING ON PEDIATRIC EQUIPMENT



RESOURCES

- [Pediatric Readiness in EMS Systems](#)
- [Prehospital Education Toolkit](#)
- [Use of Pediatric-Specific Equipment](#)
- [Resources for Prehospital PECCs](#)
- [Simulation-Based Assessment of Paramedic Resuscitation Skills](#) (abstract)
- [EMS for Children Colorado Website](#)
- [What is a PECC?](#)
- EMS for Children Colorado Program Manager: stacey.quesada@cuanschultz.edu

REFERENCES

1. Lammers, R. L., Byrwa, M. J., Fales, W. D., & Hale, R. A. (2009). [Simulation-based Assessment of Paramedic Pediatric Resuscitation Skills](#). *Prehospital Emergency Care*, 13(3), 345-356.
2. Su, E., Schmidt, T. A., Mann, N. C., & Zechnich, A. D. (2000). [A Randomized Controlled Trial to Assess Decay in Acquired Knowledge Among Paramedics Completing a Pediatric Resuscitation Course](#). *Academic Emergency Medicine*, 7(7), 779-786.
3. Miller GE. [The Assessment of Clinical Skills/Competence/Performance](#). *Acad Med* 1990; 65:S63-67.
4. National EMS for Children Data Analysis Resource Center (NEDARC). [EMS for Children Performance Measures: Implementation Manual for State Partnership Grantees](#). Salt Lake City, UT: NEDARC; 2017.