



**EMSC**  
Emergency Medical  
Services for Children

**PECARN**  
PEDIATRIC EMERGENCY  
CARE APPLIED RESEARCH  
NETWORK



**High-quality, multicenter clinical research**

### Examples of Research Advances

- A widely used rule that reduces CT imaging in children with head trauma
- Definitive guidance for evaluating infants with fever
- Evidence that probiotics do not improve viral acute gastroenteritis
- Definitive guidance on the effectiveness of first-line seizure medications
- A novel tool to screen teenagers for suicidal thoughts and detect mental health needs
- Definitive evidence on the treatment of children with diabetic ketoacidosis (crises)

### Key Highlights



**18 EDs and 9 EMS agencies represented**



**250+ articles published in high-impact, peer-reviewed journals**



**150,000+ children from diverse populations enrolled in studies**



**Greater than 70% funding rate with National Institutes of Health grant applications**



**\$100 million received in research grants, representing a \$3 return for each \$1 invested**

### About

The EMSC Pediatric Emergency Care Applied Research Network (PECARN) conducts rigorous, multi-institutional research on preventing and managing acute illnesses and injuries in children.

PECARN is the first and only federally funded research network for pediatric emergency care, with a focus on addressing high-priority gaps in clinical knowledge.



### Structure

Established in 2001, PECARN is made up of seven research nodes. Six nodes each include three hospital emergency department (ED) affiliates and one emergency medical services (EMS) affiliate, all of which focus on pediatric emergency care across the continuum. The seventh research node has three EMS affiliates and focuses specifically on prehospital care.

### What Makes PECARN Unique

PECARN brings together leading physician-scientists across 18 EDs and 9 EMS agencies in 14 states. It leverages a large combined volume of pediatric encounters to conduct meaningful, high-quality research that results in tangible improvements in care. PECARN has received more than \$100 million in research grants, representing a return of \$3 for every \$1 invested.



**Learn more at  
[pecarn.org](https://pecarn.org)**

This Pediatric Emergency Care Applied Research Network resource is supported by the Health Resources and Services Administration (HRSA) of the U.S. Department of Health and Human Services (HHS) as part of awards totaling \$4,950,000 with 0% financed with non-governmental sources. The contents are those of the author(s) and do not necessarily represent the official views of, nor an endorsement, by HRSA, HHS, or the U.S. Government. For more information, please visit [HRSA.gov](https://HRSA.gov).