

PECARN Studies

- Fluid Therapy and Cerebral Injury in Pediatric Diabetic Ketoacidosis
- ED-Initiated School-Based Asthma Medication Supervision
- Implementation of the PECARN TBI Prediction Rules for Children Using Computerized Clinical Decision Support
- Emergency Department Screen for Teens at Risk for Suicide
- RNA Biosignatures: A Paradigm Change for the Management of Young Febrile Infants
- Improving the Quality of Pediatric Emergency Care Using an Electronic Medical Record Registry and Clinician Feedback
- Age Specific Screen for Ethanol and Substance Status
- Impact of Emergency Department Probiotic Treatment of Pediatric Gastroenteritis
- Evaluating Tranexamic Acid in Children: A Pilot and Feasibility Study
- Pediatric Sepsis Registry, Clinical Outcomes, and Prediction Model
- Development of Pediatric C-Spine Injury Risk Assessment Tool
- Creation of a Generalizable Antimicrobial Stewardship Program for the ED Using EHR Clinical Decision Support
- Non-operative Management for Acute Uncomplicated Pediatric Appendicitis
- The Effect of Emergency Department and After-Emergency Department Analgesic Treatment on Pediatric Long Bone Fracture Outcomes
- Balanced vs Normal Saline Fluid in Sepsis in Pediatrics
- Improving Detection of STIs in Pediatric Emergency Department

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PECARN

Conducting High-Priority,
High-Quality Research in
Pediatric Emergency Care



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**PEDIATRIC EMERGENCY CARE
APPLIED RESEARCH NETWORK**

About PECARN...

We would like to introduce you to the Pediatric Emergency Care Applied Research Network (PECARN). **PECARN** is a project of the Health Resources and Services Administration/Maternal and Child Health Bureau's (HRSA/MCHB) Emergency Medical Services for Children (EMSC) Program. The goal of this network is to conduct high priority, multi-institutional research into the prevention and management of acute illnesses and injuries in children and youth of all ages.

PECARN is the first and only federally-funded pediatric emergency medicine research network.

PECARN provides the leadership and infrastructure needed to promote multi-center studies, support research collaboration among EMSC investigators, and promote informational exchanges between EMSC investigators and providers.



PECARN Nodes

Each PECARN node and their respective hospitals:

GLEMSCRN Node

- Nationwide Children's Hospital, Columbus, OH
- University of Michigan, Ann Arbor, MI
- Children's Hospital of Pittsburgh, Pittsburgh, PA
- Columbus Division of Fire, Columbus, OH (EMS Affiliate)

HOMERUN Node

- Cincinnati Children's Hospital Medical Center, Cincinnati, OH
- St. Louis Children's Hospital, St. Louis, MO
- Children's Hospital of Wisconsin, Milwaukee, WI
- City of Cincinnati Fire Department, Cincinnati, OH (EMS)

PEM-NEWS Node

- Morgan Stanley Children's Hospital, Columbia University, New York, NY
- Children's Hospital Colorado, Denver, CO
- Texas Children's Hospital, Houston, TX
- Aurora Fire Department, Aurora, CO (EMS Affiliate)

PRIME Node

- University of California, Davis, Sacramento, CA
- Children's Hospital of Philadelphia, Philadelphia, PA
- Primary Children's Medical Center, SLC, UT
- Sacramento Fire Department, Sacramento, CA (EMS Affiliate)

Southwest Node

- University of Arizona Health Sciences Center, Tucson, AZ
- University of New Mexico Health Sciences Center, Albuquerque, NM
- University of Oklahoma Health Sciences Center, Oklahoma City, OK
- New Mexico EMS Consortium, Albuquerque, NM (EMS Affiliate)

WBCARN Node

- Children's National Health System, Washington, D.C.
- Lurie Children's Hospital of Chicago, Chicago, IL
- Boston Children's Hospital, Boston, MA
- Prince George's County Fire/EMS, Largo, Maryland (EMS Affiliate)

CHaMP Node

- Milwaukee County EMS, Milwaukee, WI (EMS Affiliate)
- Mecklenburg EMS Agency (Medic), Charlotte, NC (EMS Affiliate)
- Houston Fire Department EMS, Houston, TX (EMS Affiliate)



The PECARN Organization...

PECARN is comprised of six Research Nodes, an EMS Research node containing three EMS Affiliates, and a Data Coordinating Center. Each of the six research nodes has three Hospital Emergency Department Affiliates and one EMS Affiliate.

The **PECARN** hospitals represent diverse demographic and geographic areas and include:

- Academic hospitals
- Urban hospitals
- Children's hospitals

The **PECARN** network Emergency Departments serve approximately **1.1 million** acutely ill and injured children every year and the 9 EMS affiliates account for more than **65,000** pediatric runs annually.

