

PECARN STUDIES

- ◆ Fluid Therapy and Cerebral Injury in Pediatric Diabetic Ketoacidosis
- ◆ Intravenous Magnesium for Sickle Cell Vasooclusive Crisis
- ◆ Implementation of the PECARN Traumatic Brain Injury Prediction Rules for Children Using Computerized Clinical Decision Support: An Interrupted Time Series Trial
- ◆ PECARN Core Data Project
- ◆ Childhood Head Trauma: A Neuroimaging Decision Rule
- ◆ Emergency Department Screen for Teens at Risk for Suicide
- ◆ Hypothermia for Pediatric Cardiac Arrest
- ◆ Use of Lorazepam for Pediatric Status Epilepticus
- ◆ Application of Transcriptional Signatures for Diagnosis of Febrile Infants
- ◆ Improving the Quality of Pediatric Emergency Care Using an Electronic Medical Record Registry and Clinician Feedback
- ◆ Multi-Center Validation of an Implicit Review Instrument to Measure Quality of Care Provided to Children in the Emergency Department
- ◆ Age Specific Screen for Ethanol and Substance Status
- ◆ Impact of Emergency Department Probiotic Treatment of Pediatric Gastroenteritis (Probiotics Study)

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DCC	U03MC00008	University of Utah
GLEMSCRN	U03MC00003	Nationwide Children's Hospital
HOMERUN	U03MC22684	Cincinnati Children's Hospital Medical Center
PEM-NEWS	U03MC00007	Columbia University Medical Center
PRIME	U03MC00001	University of California Davis Medical Center
SW NODE	U03MC28845	University of Arizona Health Sciences Center
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Richard Ruddy is the Principal Investigator of the HOMERUN Node. He is the Director of the Division of Emergency Medicine at Cincinnati Children's Hospital Medical Center and Professor of Pediatrics at the University of Cincinnati College of Medicine. Dr. Ruddy serves as chair of the PECARN steering committee.

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E. Brooke Lerner is the Principal Investigator of the CHaMP E-RNC node. She is a professor of emergency medicine and pediatrics at the Medical College of Wisconsin.

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



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 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 **68,000** pediatric runs annually.



www.pecarn.org

PECARN NODES

Each **PECARN** node and their respective hospitals:

GLEMSCRN Node

- Nationwide Children's Hospital, Columbus, OH
- Children's Hospital of Michigan, Detroit, MI
- 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 Affiliate)

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)