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

PECARN is supported by the Health Resources and Services Administration (HRSA), Maternal and Child Health Bureau (MCHB), Emergency Medical Services for Children (EMSC) through the following grants:

- DCC U03MC00008 University of Utah
- GLEMSCRN U03MC00003 Nationwide Children’s Hospital
- HOMERUN U03MC22684 Cincinnati Children’s Hospital MC
- PEM-NEWS U03MC00007 Columbia University Medical Ctr
- PRIME U03MC00001 University of California Davis MC
- SW NODE U03MC28845 University of Arizona Health SC
- WBCARN U03MC00006 Children’s National Health Sys
- CHaMP H3MC26201 Medical College of Wisconsin

MCHB/HRSA Contact: Diane Pilkey, RN MPH (DPilkey@hrsa.gov)

PECARN Investigators

James Chamberlain, MD
James Chamberlain is the Principal Investigator of the WBCARN node. He is Professor of Pediatrics and Emergency Medicine at George Washington University and the Division Chief of Emergency Medicine at Children’s National Health System.

Peter Dayan, MD, MSc
Peter Dayan is the Principal Investigator of the PEM-NEWS Node. He is the Associate Director and Fellowship Director in the Division of Pediatric Emergency Medicine at the Morgan Stanley Children's Hospital, Columbia University Medical Center.

J. Michael Dean, MD, MBA
Michael Dean is the Principal Investigator of the Data Coordinating Center for PECARN and the H.A. and Edna Benning Presidential Professor of Pediatrics at the University of Utah School of Medicine. He is also the Division Chief of Pediatric Critical Care.

Nathan Kuppermann, MD, MPH
Nathan Kupperman is the Principal Investigator of the PRIME node. He is a Professor of Emergency Medicine and the Bo Tomas Brofeldt Endowed Chair of the Department of Emergency Medicine at the University of California, Davis School of Medicine.

Kurt Denninghoff, MD
Kurt Denninghoff is the Principal Investigator of the SW Node and the Arizona HEDA at UAHSC. He is an endowed professor of Emergency Medicine, Associate Head of Emergency Medicine, and Associate Director of the Arizona Emergency Medicine Research Center - Tucson.

Richard Ruddy, MD
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.

E. Brooke Lerner, PhD
E. Brooke Lerner is the Principal Investigator of the CHaMP E-RNC node. She is a professor of emergency medicine and pediatrics at the University of Buffalo.

Rachel M. Stanley, MD, MHSA
Rachel Stanley is the Principal Investigator of the GLEMSCRN Node. She is Division Chief of Emergency Medicine at Nationwide Children’s Hospital & Associate Professor of Pediatrics at The Ohio State University.
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.