Division Details

Division Data Summary

<table>
<thead>
<tr>
<th>Research and Training Details</th>
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</tr>
</thead>
<tbody>
<tr>
<td>Number of Faculty</td>
<td>43</td>
</tr>
<tr>
<td>Number of Joint Appointment Faculty</td>
<td>2</td>
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<tr>
<td>Number of Research Fellows</td>
<td>4</td>
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<tr>
<td>Number of Research Students</td>
<td>2</td>
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<tr>
<td>Number of Support Personnel</td>
<td>48</td>
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<tr>
<td>Direct Annual Grant Support</td>
<td>$1,537,210</td>
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<td>Direct Annual Industry Support</td>
<td>$38,536</td>
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<tr>
<td>Peer Reviewed Publications</td>
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<table>
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<tr>
<th>Clinical Activities and Training</th>
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<tbody>
<tr>
<td>Number of Clinical Staff</td>
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<tr>
<td>Number of Other Students</td>
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<tr>
<td>Outpatient Encounters</td>
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</table>

Significant Accomplishments

PECARN Research Grows

Cincinnati Children’s is one of 18 institutions in the Pediatric Emergency Care Applied Research Network (PECARN). Richard Ruddy, MD, is a principal investigator and is the Vice Chair, Steering Committee. We enroll in four network studies including defining the biosignatures in febrile infants and a knowledge implementation project to reduce CT scan use in mild head injury. Our node is sponsoring a proposed study to examine the use of probiotics in gastroenteritis.

Clinical and Prevention Research

Findings from a study led by Lynn Babcock, MD, MS, on predictors of post-concussion syndrome were published online June 22 in *Brain Injury*. Benjamin Kerrey, MD, Matthew Mittiga, MD, Gary Geis, MD, and Andrea Rinderknecht, MD, conducted a video review of rapid sequence intubation that revealed failed attempts and adverse effects were more common than previously reported. Their findings, published online March 15 in the *Annals of Emergency Medicine*, prompted our division to trial a bundle of improvements to decrease complications. Gregory Faris, MD, received a Young Investigator Award for his project on predictors of post-concussion syndrome.

In prevention research, division members continued important work in smoking prevention, led by Melinda Mahabee-Gittens, MD, MS; cultural issues across ethnic groups, led by Lisa Vaughan, PhD; injury control, led by Mike Gittelman, MD, and Wendy Pomerantz, MD; mental health screening by Jacqueline Grupp-Phelan, MD,
MPH and teen STIs, led by Jennifer Reed, MD.

Quality Improvement Research
Srikant Iyer, MD, MPH, was awarded the best scientific paper at the Institute for Healthcare Improvement meeting for his work on “Flow in the ED Fast Track.” Evaline Alessandri , MD, MSCE, presented her work on “Time to Critical Intervention in High Risk Cancer Patients” at the Pediatric Academic Societies annual meeting in Boston.

Clinical Program
Joseph Luria, MD, had a second year of strong performance from the clinical leadership team of physicians and APNs. Highlights included completing the improvement project to deliver antibiotics to oncology patients with fever and neutropenia, reducing length of stay in the ED and reducing patient experience failures. All of this was accomplished while treating more than 145,000 patients at our two EDs and three urgent care sites.

Awards and Education Highlights
Mike Gittelman, MD, and Wendy Pomerantz, MD, were the first recipients of the Annual Faculty Award for Advocacy. The Division also received the Pediatric Residency Teaching Award and Brad Sobolewski, MD, was named Pediatric Residency Faculty Teacher of the Year. Matthew Mittiga, MD, was appointed Associate Program Director for the PEM Fellowship and Sobolewski was appointed the Director of Resident Education.

The second year of PEM morning education meetings was highly successful and it continues to include a PEM conference, hands-on simulation and case discussions. Dr. Sobolewski began developing a new video orientation process, as well as a new online process to facilitate evaluation of direct observations and trauma/medical resuscitation orientation. Highlights include a workshop at the Society of Academic Emergency Medicine Annual Meeting on Conflict Management, led by Dr. Ruddy and Gonzalez del Rey, MD, MEd, and hosting the annual PEM fellowship conference. Internationally, the Division is partnering with Global Health and the Pediatric Residency program to develop a rotation in Malawi for trainees. The Division completed a year-long development program for emerging leaders with Scott Steel, from Education and Learning, and 14 fellows and faculty. Drs. Gonzalez del Rey and Ruddy co-authored with faculty in Bilbao, Spain on the development of an international program in PEM.

Significant Publications

Children receive emergency care in a variety of settings, in many geographic locations, and from practitioners with differences in training and experience, resulting in significant variation in care delivery and quality. In order to compare outcomes of emergency care, it is important to have a severity of illness scale that is applicable to all pediatric emergency patients. To address the need for a system that can easily be applied to existing ED data, we developed a diagnosis driven, resource-focused, severity of illness classification system for EMSC using ICD-9 diagnosis codes. Our goal is to utilize and examine severity-adjusted outcomes across patient populations so that EDs may improve the quality of care delivered.

This report was the first to document elevation of cardiac Troponin I levels in young children with thoracic non-accidental trauma. Troponin I level was elevated in 7 (70%) of 10 patients with levels between 2 and 50 times the upper limit of normal. The elevation of this specific biomarker may be indicative of sufficient chest trauma to result in the heart being injured, independent of the presence of cardiac decompensation or shock from other causes.


This study assessed the association of ED crowding on time to antibiotic administration for neonates presenting with fever in a pediatric ED. There was significant delay demonstrated in the crowded PED. This was the first study in the literature that evaluated multiple markers of ED crowding on a specific pediatric clinical outcome.


This secondary data analysis demonstrated that when there are high levels of family factors such as connectedness, monitoring, and consequences for smoking behavior, these practices translate into lower levels of smoking initiation in teenagers. Our study also found that lower levels of protective factors were present in smoking initiators, even prior to initiation, which suggests that parents are differentially providing less strong parenting practices to youth not only when they have already started smoking, but prior to smoking onset. Regardless of the timing of these parenting practices, we found that a decrease in perceived punishment in all youth and decreases in connectedness and monitoring in minority youth were associated with increased smoking initiation. These findings are consistent with the concept that these parenting practices should be kept strong even as youth get older and are exposed to outside influences.


Similar to many other secondary migration hubs across the U.S., our city has experienced dramatic growth in its Latino population in the last several years. Although health care providers anecdotally report increased service to Spanish-speaking populations, very little is known about the health care experience of Latino families in our area. The purpose of this article was to assess Latino immigrant usage, access, and reason for coming to the pediatric ED and clarify parental perceptions, barriers and concerns regarding Latino children’s health.

Division Publications


7. Bennett BL, Chua MS, Care M, Kachelmeyer A, Mahabee-Gittens M. Retrospective review to determine the utility of follow-up skeletal surveys in child abuse evaluations when the initial skeletal survey is normal. BMC Res Notes. 2011; 4:354.


40. Strait RT, Hicks W, Barasa N, Mahler A, Khodoun M, Kohl J, Stringer K, Witte D, Van Rooijen N, Susskind BM,


Faculty, Staff, and Trainees

**Faculty Members**

**Richard M. Ruddy, MD,** Professor

**Leadership** Division Director; Nodal PI - Pediatric Emergency Care Applied Research Network (PECARN), Hospitals of the Midwest Emergency Research Node (HOMERUN)

**Research Interests** Pediatric Emergency Care Applied Research Network Multicenter Trials, Respiratory Disease and Quality Research

**Javier Gonzalez del Rey, MD, MEd,** Professor

**Leadership** Associate Director, Division Of Emergency Medicine; Director, Pediatric Residency Training
Jacqueline Grupp-Phelan, MD, MPH, Professor
  Leadership The Richard Ruddy and Barbara Wriston-Ruddy Endowed Chair for Pediatric Research; Associate Director, Division of Emergency Medicine; Director of Research and Prevention Research Focus Team Leader
  Research Interests Mental Health Services and Treatment Engagement; Health Services Research, Cost-Effectiveness, Clinical Effectiveness and Utilization

Joseph Luria, MD, Professor
  Leadership Associate Director, Division of Emergency Medicine; Medical Director, Emergency Department; Clinical Leadership Team
  Research Interests Improvement Related to ED Quality; Patient Safety, and Flow

Constance McAneney, MD, MS, Professor
  Leadership Associate Director, Division of Emergency Medicine; Director, Pediatric Emergency Medicine Fellowship; Director, Education for the Division of Emergency Medicine
  Research Interests Medical Education

Lynn Babcock, MD, MS, Associate Professor
  Leadership Clinical Research Focus Team Leader; Site PI, HOMERN/PECARN
  Research Interests Traumatic Brain Injury (translational research combining neuroimaging, biomarkers, and functional outcomes) and Injury Prevention

Berkeley L. Bennett, MD, MS, Assistant Professor
  Leadership Medical Director of the Northern Kentucky Advocacy Center
  Research Interests Cardiac Injury in Association with Non-Accidental Trauma, Child Abuse

Seema Bhatt, MD, MS, Assistant Professor
  Research Interests Education, Management of Dehydration

G. Randall Bond, MD, Professor
  Leadership On-Site Faculty, CCHMC Malawi Program
  Research Interests Improvement of Outcomes in Victims of Acute Poisoning

Ted Brenkert, MD, Assistant Professor
  Research Interests Utilizing Multimedia in Resident Education

Holly Brodzinski, MD, MPH, Assistant Professor
  Research Interests Sedation, Safety, Decision Support in Acute Appendicitis, Health Services, Global Health

Terri L. Byczkowski, PhD, MBA, Assistant Professor
  Research Interests Family Centered Care in PEM, Transition to Adult Focused Care.

Patricia Chambers, MD, Assistant Professor
  Research Interests Communication in Healthcare, Humanism in Medicine

Judith Dexheimer, PhD, Instructor
  Research Interests Clinical Decision Support Applications in the Pediatric Emergency Department

Cinnamon Dixon, DO, MPH, Assistant Professor
  Research Interests Global Injury Epidemiology and Trauma Surveillance, Mobile Health Interventions for Injury Prevention, and Dog Bite Prevention Education
Elena Duma, MD, Assistant Professor
  Leadership Clinical Staff Coordinator; Director, PED 4th Year Medical Student Clerkship
  Research Interests Pediatric Emergency Medicine, Child Abuse

Michael FitzGerald, PhD, Assistant Professor
  Leadership Education Research Focus Team Leader
  Research Interests Feedback in Medical Education, Assessment and Evaluation of Medical Learners

Gary L. Geis, MD, Associate Professor
  Leadership Assistant Medical Director, The Cincinnati Children’s Center for Simulation and Research
  Research Interests Medical Simulation, Resuscitation, Sepsis

Michael Gittelman, MD, Associate Professor
  Leadership Co-Director, Comprehensive Children’s Injury Center; Co-Director, Injury Free Coalition for Kids; Director, Injury Prevention and Advocacy Resident Course
  Research Interests Injury Control, Behavior Change Counseling, Community Prevention

Todd Glass, MD, MS, Associate Professor
  Leadership Medical Director, Liberty Campus Emergency Department; Clinical Leadership Team
  Research Interests Pediatric Trauma, Traumatic Brain Injury, Care Delivery Systems Design and Improvement

Selena Hariharan, MD, Assistant Professor
  Leadership Clinical Leadership Team
  Research Interests Prevention

Carolyn Holland, MD, MEd, Assistant Professor
  Research Interests Adolescent ED Health Issues, Medical Education

Richard Hornung, DrPH, Professor
  Research Interests Study Design, Exposure Assessment Modeling, Longitudinal Data Analysis, Epidemiologic Methods, and Risk Estimation

Srikant Iyer, MD, MPH, Assistant Professor
  Research Interests Systems and Process Improvement, Patient Flow, and Acute ED Pain Management

Laurie H. Johnson, MD, Assistant Professor
  Research Interests Asthma and Resuscitation

Stephanie Kennebeck, MD, Assistant Professor
  Leadership EPIC IT Leadership
  Research Interests Quality Care, Overcrowding in ED

Benjamin Kerrey, MD, MS, Assistant Professor
  Research Interests Improving the Process and Outcomes of Intubation of Pediatric Emergency Patients, the Use of High-Fidelity Simulation to Study and Improve Systems of Care for Critically Ill Pediatric Emergency Patients

Melinda Mahabee-Gittens, MD, MS, Professor
  Research Interests Adolescent Tobacco Prevention, Adult Tobacco Cessation, Intervention Development

Matthew Mittiga, MD, Assistant Professor
  Leadership Associate Fellowship Director; Coordinator, Emergency Department Resident Education
Research Interests Resuscitation Team Training and Communication, Critical Care in the Pediatric ED, Pediatric Airway Management/Complications, Resident and Fellow PEM Education

Eileen Murtagh Kurowski, MD, Assistant Professor
Research Interests Emergency Care of Adult Patients with Chronic Childhood Illness, Implementation of Evidence-Based Care and Quality Improvement

Wendy Pomerantz, MD, MS, Professor
Leadership Co-Director, Injury Free Coalition for Kids; Co-Director, Safety Resource Center
Research Interests Injury and Poison Prevention, Epidemiology, Geographic Information Systems, Playground Related Injuries and Emergency Medical Services

Jennifer Reed, MD, Associate Professor
Research Interests Adolescent ED Health Issues, STI Testing & Treatment, Adolescent Research Consent Challenges, Quality Improvement

Scott Reeves, MD, Associate Professor
Leadership Liberty Campus ED Medical Director; Quality Research Focus Team Leader
Research Interests Quality Care, Evidence-Based Care, Acute ED Pain Management

Andrea Rinderknecht, MD, Assistant Professor
Research Interests Critical Care in the Pediatric ED, Resuscitation Team Training & Communication, Pediatric Airway Management/Complications, Health Services ED Use Across Diseases/Referrals

Charles J. Schubert, MD, Professor
Leadership Associate Director, Pediatric Residency Training Program - Global Health
Research Interests Global Child Health and Vulnerable Populations

Hamilton P. Schwartz, MD, Assistant Professor
Leadership Medical Director, Transport Team; Medical Director, Statline; Pediatric Medical Director, Cincinnati Fire Department
Research Interests Pediatric EMS and Transport Medicine

Jennifer Setlik, MD, Assistant Professor
Research Interests Abuse of Prescription Medications, Injury Prevention

Brad Sobolewski, MD, Associate Professor
Research Interests Education, Technology and Multimedia

Richard Strait, MD, Associate Professor
Research Interests Early Immunologic Response to Infectious Disease, Immunologic Response to Anaphylaxis, Procedural Sedation

Nathan Timm, MD, Associate Professor
Leadership CCHMC Emergency Preparedness Officer
Research Interests Hospital Emergency Management, Quality Care, Overcrowding in ED

Lisa Vaughn, PhD, Associate Professor
Research Interests Cross-Cultural Psychology Issues Especially with Latinos, Women and Children; Community-Based Participatory Research; International Global Studies; Social Psychology Related

Shan Yin, MD, MPH, Assistant Professor
Leadership Medical Director, Drug and Poison Information Center
Research Interests: Pediatric Toxicology

Joint Appointment Faculty Members
Evaline Alessandrini, MD, MSCE, Professor (James M. Anderson Center for Health Systems Excellence)

Research Interests: Outcomes and Risk-Adjustment in Pediatric Emergency Care, Quality Measurement

Robert Allan Shapiro, MD, Professor (Director, Mayerson Center for Safe and Healthy Children)

Research Interests: Sexually Transmitted Disease, Fractures Caused by Abuse

Clinical Staff Members

- Catherine Gouldin, MD, *PEM Trained*
- Lisa Lewis, MD, *PEM Trained*
- Margaret Orcutt-Tuddenham, DO, Clinical Leadership Team, *PEM Trained*; Medical Director, Urgent Cares; Clinical Leadership Team;
- Kristen Paddon, MD, *PEM Trained*
- Kirsten Ahrens, MD
- Amber Anastasi, MD
- Arash Babaoff, MD
- Eunice Blackmon, MD, *3rd Year Medical Student Ed Rotation*
- Kamali Bouvay, MD
- Mary Carol Burkhardt, MD
- Michael Chua, MD
- Jenny Lynn DeBruer, MD
- Kristen DeMarco, MD
- Emily Eagen, MD
- Michelle Eckerle, MD
- Kerry Gorman, MD
- Laura Howell, MD
- Jeanine Jennings, MD
- Matthew Kenney, MD
- Pamela Kingma, MD, PhD
- Joy Lippe, MD
- Gregory Middleton, MD, Clinical Leadership Team, *ED Clinical Leadership Team*
- Sara Murdick, MD
- Joanna Nacopoulos, MD
- Janice Roeder, MD
- Rima Rusnak, MD, Clinical Leadership Team, *ED Clinical Leadership Team*
- Lori Schroeder, MD, PhD
- Radhika Shah, MD
- Kristin Stackpole, MD
- Kathryn Stordahl, MD
- Karen Szczepanski, MD
- Elizabeth Templin, MD
Division Collaboration

**Bereavement Services** » Michael Fitzgerald, PhD, Claudia J. Borgman, MSW, LISW, and Marcela Cameron, MSW, LISW-S

Survey study to identify bereavement services being offered and types of operational practices at other institutions.

**Center for Clinical and Translational Science and Training** » Cinnamon Dixon, DO, MPH and Christopher Lindsell, PhD

Dog bite prevention education knowledge screening and desires.

**Center for Global Health** » Cinnamon Dixon, DO, MPH and Mark Steinhoff, MD, MPH

International pediatric injury and trauma surveillance and prevention.

**Center for Global Health** » Charles Schubert, MD and Mark Steinhoff, MD, MPH

Global child health program for the residency program.

**Center for Innovation in Chronic Disease** » Terri Byczkowski, PhD and Maria Britto, MD, MPH

Asthma Innovation Lab: Improving outcomes for adolescents with asthma.

**Center for Simulation and Research; Division of Critical Care Medicine** » Gary Geise, MD and Derek Wheeler, MD

Implementation of in-situ simulations: Mock codes on clinical units. Improvement in identification of sepsis,
therapeutic hypothermia and cardiac arrest.

Center for Simulation and Research; Section of Neonatology, Perinatal and Pluminary Biology » Gary Geis, MD, Beth Ann Johnson, MD, and Beth Haberman, MD

Provide education in the simulation lab for CCHMC RCNIC staff in order to improve both clinical and behavioral outcomes and subsequently improve the quality and safety of care that neonatal patients receive at CCHMC.

Department of Education and Learning » Michael Fitzgerald, PhD and Daniel McLinden, EdD

Development of a knowledge test for evaluating internal QI training programs.

Department of Hospital Medicine » Michael Fitzgerald, PhD, Corinne Lehmann, MD, and Amy Guiot, MD, FAAP

Survey study to evaluate the effectiveness of changes Pediatric Clerkship Curriculum.

Division of Adolescent Medicine; Anderson Center for Health Care Quality; Division of Surgery » Jennifer Reed, MD, Terri Byczkowski, PhD, Evaline Alessandrini, MD, MSCE, Jill Huppert, MD, MPH, and Jessica Kahn, MD, MPH

Research on using text messaging for notification of STI results to adolescents and methods to improve partner notification.

Division of Allergy and Immunology » Richard Strait, MD and Simon Hogan, PhD

Intestinal mast cell levels control severity of oral antigen-induced anaphylaxis in mice.

Division of Allergy and Immunology » Richard Strait, MD and Yesim Kuck, MD

Desensitization of LgE and LgG mediated anaphylaxis.

Division of Allergy and Immunology » Laurie Johnson, MD, Richard Strait, MD, Richard Ruddy, MD, and Gurjit Khurana Hershey, MD, PhD

Gene expression profiles of acute asthma and subphenotypes of treatment response.

Division of Anesthesiology » Berkeley Bennett, MD, MS, Jennifer Setlik, MD, and Jaqueline Morillo-Delerme, MD

Development of program for emergency medicine faculty to maintain intubation skills.

Division of Anesthesiology » Michael Fitzgerald, PhD, Carrie Morgan, MD, and Norbert Weidner, MS

Survey study to assess physician attitudes and practices related to Palliative Sedation Therapy.

Division of Biomedical Infomatics » Stephanie Kennebeck, MD, Imre Solti, PhD, Nancy Crimmins, MD, and John Harley, MD

Emerge Grant: Obesity phenotype with genotyping.

Division of Biomedical Informatics » Judith Dexheimer, PhD and Imre Solti, MD, PhD

Patient identification in the Pediatric Emergency Department using national language processing methodologies.

Division of Cardiology; Clinical Laboratory » Berkeley Bennett, MD, MS, Paul Steele, MD, Russel Hirsch, MD, Melinda Mahabee-Gittens, MD, MS, Elena Duma, MD, and Michael Chua, MD

Prospective study of Troponin I to detect cardiac insult in non-accidental trauma.

Division of Child Psychiatry; Division of Biomedical Informatics » Jacqueline Grupp-Phelan, MD, MPH, John Pestian, PhD, MBA, and Robert Kowatch, MD, PhD

Suicide risk assessment and prevention.

Division of Child Psychiatry; Psychiatry Intake Response Team » Jacqueline Grupp-Phelan, MD, MPH, Linda Richey, LISW, Sergio Delgado, MD, and Robert Ammerman, PhD

Screening and engagement into services for adolescents with suicidal ideation in the Emergency Department.

Division of Critical Care Medicine; Center for Simulation and Research » Constance McAneney, MD, MS,
Simulation boot camp for PEM and critical care fellows.

**Division of Endocrinology; General and Community Pediatrics** » Michael Gittelman, MD, Amy Bernard, PhD, Christopher Balling, MD, David Klein, MD, PhD, Mona Ho, MS, and Wendy Pomerantz, MD

Screen and provide a program to reduce the obesity problem among youth in Avondale, providing after school curriculum.

**Division of Epidemiology; Biostatistics and Behavioral Medicine** » Melinda Mahabee-Gittens, MD, MS, Jane Khoury, PhD, and Robert Ammerman, PhD, APBB

Parental tobacco cessation and adolescent smoking prevention.

**Division of GI** » Richard Strait, MD and Lee Denson, MD

Exploring human IgG-mediated anaphylaxis.

**Division of Immunobiology** » Richard Strait, MD and Jeorg Kohl, PhD

Immunopathology of Transfusion Related Acute Lung Injury (TRALI).

**Division of Immunobiology** » Richard Strait, MD, Markat Khodoun, PhD, and Fred Finkelman, MD

Role of IgG1 in arthritis, role of Ig G1 in cryoglobulinemia induced glomerulonephritis, immunopathology of Transfusion Related Acute Lung Injury (TRALI), rapid desensitization of IgE and IgG mediated anaphylaxis, exploring human IgG-mediated anaphylaxis.

**Division of Neonatology; Division of Critical Care** » Hamilton Schwartz, MD, Derek Wheeler, MD, Becky Baute, RN, and Beth Haberman, MD

Assessing utility of video television in the acute care setting.

**Division of Nephrology; Division of Surgery** » Richard Strait, MD, Jill Huppert, MD, MPH, Michael Bennett, PhD, and Jennifer Reed, MD

Proteomics in appendicitis.

**Division of Neurosurgery** » Lynn Babcock, MD, MS and Togg Maugans, MD

Pediatric concussion: Pilot study using advanced magnetic resonance imaging techniques.

**Division of Oncology** » Evaline Alessandrini, MD, MSCE, Nathan Timm, MD, Majaram Nagarajan, MD, MS, and Denise Adams, MD

Decreasing time to antibiotics in febrile, neutropenic patients.

**Division of Otolaryngology; Center for Simulation and Research; Emergency Services** » Benjamin Kerrey, MD, Jennifer Oehler, RN, Kaalan Johnson, MD, Mary Dewald, and Gary Geis, MD

Monitoring the implementation of a novel system of care for critical airway obstruction in the Emergency Department.

**Division of Pathology** » Richard Strait, MD and Keith Stringer, MD

Immunopathology of Transfusion Related Acute Lung Injury (TRALI), role of IGG1 in cryoglobulinemia induced glomerulonephritis.

**Division of Pediatric Rehabilitation and Medicine** » Lynn Babcock, MD, MS, Bradley Kurowski, MD, and Shari Wade, PhD

Diffuse Tensor Imaging and TBI (Axonal Injury).

**Division of Pediatric Rehabilitation and Medicine** » Lynn Babcock, MD, MS, Shari Wade, PhD, and Bradley Kurowski, MD

Axonal injury in mild TBI: SMART trial.
Division of Pediatric and Thoracic Surgery » Gary Geis, MD, Terri Byczkowski, PhD, MBA, and Richard Falcone, Jr., MD, MPH

Evaluating the use of simulation training on technical and teamwork skills of personnel, care processes, and serious safety events of Extracorporeal Membrane Oxygenation.

CCHMC Proteomics Core; UC Proteomic Core » Lynn Babcock, MD, MS, Prasad Devarajan, MD, and Ken Greis, PhD

Anoxal injury in mild TBI.

Division of Radiology » Lynn Babcock, MD, MS and Daniel Podberesky, MD

CT scan with contrast alone (CT IV): The role of intra-abdominal fat (IAF) on the sensitivity of CT IV to visualize the normal appendix.

Division of Radiology; Division of Pediatric Neuroimaging » Lynn Babcock, MD, MS, Weihong Yuan, PhD, James Leach, MD, and Blaise Jones, MD

Axonal injury.

Division of Rheumatology » Richard Strait, MD and Sherry Thornton, PhD

Role of IgG1 in collagen induced arthritis.

Division of Surgery » Jennifer Reed, MD and Jill Huppert, MD, MPH

Research on improving notification of STI results to adolescents and feasibility of universal STI screening in the ED.

Education and Learning Department » Lisa Vaughn, PhD and Daniel McLinden, EdD

Cultural health attributions, concept mapping methodology, social network analysis

Education and Learning Department » Hamilton Schwartz, MD, Dan McLinden, EdD, Ken Crank, NEMT-P, and Lynn Standen

Development of on-line pediatric education for EMTs and paramedics.

Division of General Pediatrics; HouseStaff Office » Charles Schubert, MD, Andy Beck, MD, Michael Gittelman, MD, Melissa Klein, MD, Javier Gonzalez del Rey, MD, MEd, Wendy Pomerantz, MD, and Ndiddi Unakada, MD

Advocacy for residents and house staff including injury prevention and advocacy course.

Division of General Pediatrics; Division of Community Pediatrics » Lisa Vaughn, PhD and Melissa Klein, MD

Social determinants of health, poverty.

Division of General Pediatrics; Division of Community Pediatrics » Stephanie Kennebeck, MD, Andrew Spooner, MD, MS, FAAP, Michael Farrell, MD, and Nathan Timm, MD

Examining methods to improve efficiency during implementation of electronic medical record systems.

James M. Anderson Center for Health Systems Excellence » Terri Byczkowski, PhD, MBA and Evaline Alessandrini, MD, MSCE

The Pediatric Emergency Department experience: Measurable family centered care.

James M. Anderson Center for Health Systems Excellence » Srikant Iyer, MD, MPH and Carole Lannon, MD, MPH

Improvement advisor for the Joint Commission on Congenital heart disease improvement collaborative.

Ohio Chapter of AAP » Michael Gittelman, MD, Wendy Pomerantz, MD, MS, and Mike Fitzgerald, PhD

Injury prevention anticipatory guidance quality improvement project with practicing pediatricians in Ohio.

James M. Anderson Center for Health Systems Excellence; Division of BMI; Division of Surgery; Division of Radiology » Holly Brodzinski, Md, MPH, Andrew Spooner, MD, MS, FAAP, Evaline Alessandrini, MD, MSCE, Alex
Towbin, MD, and Dan von Allmen, MD
Risk stratification to efficiently diagnose appendicitis.

James M. Anderson Center for Health Systems Excellence » Terri Byczkowski, PhD and Evaline Alessandrini, MD, MSCE
The Pediatric Emergency Department experience: Measurable family centered care.

Mayerson Center for Safe and Healthy Children » Berkeley Bennett, MD, MS, Kathi Makoroff, MD, and Michael Chua, MD
Clinical decision rules to discriminate bruising caused by physical child abuse from bruising caused by accidental trauma.

Psychiatry Intake Response Team » Jacqueline Grupp-Phelan, MD, MPH and Linda Richey, LISW
An assessment of voluntary adolescent mental health screening and referral in a children's hospital emergency department.

Division of Pediatric Rehabilitation; Division of Sports Medicine; Division of Neurosurgery; Division of Trauma Services; Division of General Pediatrics; Division of Radiology » Michael Gittelman, MD, Richard Falcon, MD, MPH, Lynn Babcock, MD, MD, Blaise Jones, MD, Bradley Kurowski, MD, Chuck Mehlman, DO, MPH, Kieran Phelan, MD, MSc, Wendy Pomerantz, MD, Kim Price, MA, CHES, CPST, Robert Shapiro, MD, Earl Siegel, PharmD, and Shari Wade, PhD
Comprehensive Children's Injury Center (CCIC)

Division of Trauma Services » Michael Gittelman, MD, Deatra Green, MS, Dawne Gardner-Davis, and Wendy Pomerantz, MD
Injury Free Coalition for Kids of Cincinnati (Emergency Medicine) and Safe Kids Coalition (Trauma) working together on multiple community outreach programs, including Walk Child to School.

Division of Trauma Services » Gary Geis, MD, Matthew Mittiga, MD, Richard Falcone, MD, MPH, and Andrea Rinderknect, MD
Crew resource management in trauma care through use of simulation.

Division of Trauma Services; Division of General Pediatrics » Michael Gittelman, MD, Kieran Phelan, MD, MSc, Richard Falcone, MD, MPH, and Wendy Pomerantz, MD
Population Health Injury Prevention: Goal to reduce injuries in specific Hamilton County neighborhoods by 30% in five years.

Division of Trauma Services; Division of Pediatric Rehabilitation » Michael Gittelman, MD, Bradley Kurowski, MD, Richard Falcone, MD, MPH, and Wendy Pomerantz, MD
Concussion education in the HS setting.

Division of Trauma Services; Division of Sports Medicine; Division of Pediatric Rehabilitation; Division of Neurosurgery; Division of Neurology » Michael Gittelman, MD, Todd Arthur, MD, Abigail Johnson, PhD, Richard Falcone, MD, MPH, Terri McCambridge, MD, Bradley Kurowski, MD, and Wendy Pomerantz, MD
Head Injury Clinic

James M. Anderson Center for Health Systems Excellence » Jennifer Reed, MD, Srikant Iyer, MD, MPH, and Joy Lippe, MD
Expanded HIV testing in Ohio Emergency Departments - Grant through the Ohio Department of Health Quality Improvement project in which rapid HIV testing was implemented in a pediatric emergency department; a sustainable plan for ongoing testing is now being created.
<table>
<thead>
<tr>
<th>Name</th>
<th>Project Description</th>
<th>Agency</th>
<th>Grant Number</th>
<th>Start Date - End Date</th>
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<tr>
<td>ALESSANDRINI, E</td>
<td>Implementation of the PECARN Traumatic Brain Injury Prediction Rules for Children Using Computerized Clinical Decision Support: An Interrupted Time Series Trial</td>
<td>Columbia University Medical Center</td>
<td>S02 MC 19289</td>
<td>09/01/10-08/31/13</td>
<td>$50,092</td>
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<td></td>
<td>Improving the Quality of Pediatric Emergency Care Using an Electronic Medical Record</td>
<td>Agency for Healthcare Research and Quality(Children's Hospital of Philadelphia)</td>
<td>R01 HS 020270</td>
<td>09/30/11-09/29/16</td>
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<td>BABCOCK CIMPELLO, L</td>
<td>Progesterone for Traumatic Brain Injury in Children: Planning a Safety and Efficacy Trial</td>
<td>Health Resources &amp; Services Admin(University of Michigan)</td>
<td>H34 MC 19353</td>
<td>09/01/10-08/31/12</td>
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<tr>
<td>BENNETT, B</td>
<td>Clinical Decision Rules to Discriminate Bruising Caused by Physical Child Abuse</td>
<td>National Institutes of Health(Children's Memorial Hospital)</td>
<td>R01 HD 060997</td>
<td>05/30/11-03/31/16</td>
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<tr>
<td>BYCZKOWSKI, T</td>
<td>The Pediatric Emergency Department Experience</td>
<td>Agency for Healthcare Research and Quality</td>
<td>R03 HS 019037</td>
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<td>HORNUNG, R</td>
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<td>LIPPE</td>
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<td>MAHABEE-GITTENS, M</td>
<td>Exploring a Cessation Intervention for Low Income Smokers in an Emergency Setting</td>
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<td>REED, J</td>
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<td>RUDDY, R</td>
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<td>RNA Biosignatures in the Emergency Evaluation of Febrile Infants</td>
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<td>IGG Isotype Regulation of Antibody-Mediated Disorders</td>
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<td>Prospective Cohort Study of Severe Bronchiolitis and Risk of Recurrent Wheezing</td>
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<td>Acceleration to Expertise: Simulation as Tool to Improve the Recognition of Sepsis</td>
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