Division Details

Division Data Summary

<table>
<thead>
<tr>
<th>RESEARCH AND TRAINING DETAILS</th>
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<tbody>
<tr>
<td>Number of Faculty</td>
<td>41</td>
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<tr>
<td>Number of Joint Appointment Faculty</td>
<td>3</td>
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<td>Number of Support Personnel</td>
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<td>Direct Annual Grant Support</td>
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<td>Peer Reviewed Publications</td>
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<tr>
<th>CLINICAL ACTIVITIES AND TRAINING</th>
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<tr>
<td>Number of Clinical Staff</td>
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<td>Number of Clinical Fellows</td>
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<td>Number of Other Students</td>
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<td>Outpatient Encounters</td>
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Significant Accomplishments

Prevention Research Ranges from Suicide to Smoking

Our faculty made several contributions to prevention research in the past year. Jacqueline Grupp-Phelan, MD, MPH, leads a multi-center study on suicide screening in conjunction with Nationwide Children’s Hospital. Melinda Mahabee-Gittens, MD, MS, co-authored two recent papers regarding smoking prevention. Lisa Vaughn, PhD, studies cross-cultural health issues. Mike Gittelman, MD, and Wendy Pomerantz, MD, MS, lead ongoing studies in injury prevention while Jennifer Reed, MD, and Kari Schneider, MD, focus their research on preventing sexually transmitted diseases.

PECARN projects focus on alcohol screening, ED safety and more

Led by Richard Ruddy, MD, Division Director, and Lynn Babcock, MD, MS, several of our faculty members contribute to multi-site studies through the Pediatric Emergency Care Applied Research Network (PECARN). Ongoing projects include studying RNA biosignatures in febrile infants and ASSESS, a study to validate a process for alcohol screening in teens. Published work this year includes findings on abdominal trauma, mild head injury, ED patient safety and cervical spine injury.

Clinical and Quality Research Improve Outcomes

Benjamin Kerrey, MD, Matthew Mittiga, MD, Gary Geis, MD, and Andrea Rinderknecht, MD, continue innovative work on rapid sequence intubation and have demonstrated reduction of adverse events in children. Tara Rhine, MD, received the Willis Wingert Award for best presentation at the 2012 AAP SOEM for balance.
testing in concussion. Gregory Faris, MD, is using an APA young investigator award to assess the utility of a PECARN decision rule to predict post-concussion symptoms. Both are mentored by Lynn Babcock, MD, MS, who has several concussion projects ongoing and published. Berkeley Bennett, MD, participates in a multi-center grant on bruising along with Child Abuse experts. In quality research, substantial progress has been made in managing fever and neutropenia in immunocompromised children and in screening patients for HIV and syphilis.

**Emergency Department Ranked No. 2 in Nation**

The clinical leadership team led by Joseph Luria, MD, completed a third year of strong performance. Our Emergency Department was ranked No. 2 in the country by *Parents* magazine, an event celebrated by all the Emergency Services staff. The Burnet ED was awarded the Lantern Award for outstanding emergency nursing from the Emergency Nursing Association. Data from the past year also shows improvement in several areas including decreasing the rate of hypoxia during rapid sequence intubation, improving screening for sexually transmitted infections and sustaining work in fever, neutropenia and immunosuppression. We also attained over 90 percent success in management of time to antibiotics in this high risk population. All of this was accomplished while treating more than 145,000 patients at our two EDs and three urgent care sites. Scott Reeves, MD, has begun his first full year of ED Medical Director role at the Liberty ED, in partnership with Eric Mailloux, RN, and the team demonstrated very strong results in delivery of care and of staff satisfaction. The Green Township Urgent Care opened in late April. Peg Orcutt, DO, has been leading the urgent care team with the help of Rima Rusnak, MD, the incoming Medical Director.

**Successful SAC Review**

The Division underwent a very successful Scientific Advisory Committee review this year continuing our work to be the nation’s top pediatric emergency medicine program. Dr. Gary Fleisher, MD, Pediatrician-in-Chief at Boston Children’s and Terry Klassen, MD, Director of Research for the Manitoba Institute of Child Health, complimented our emergency services clinical delivery system in the SAC review, while making suggestions to help us further our mission.

**Education and Faculty Development**

The Teaching Award to the Best Fellow this academic year was awarded to Corinne Bria, MD, in June 2013. Ben Kerrey, MD, accepted the role of Assistant Medical Director for the Center for Simulation and Research. Brad Sobolewski, MD, with support from Ted Brenkert, MD, has expanded the role of video on-line orientation, lectures and podcasts for medical students, residents and fellows.

Invited speaking engagements and scientific presentations were important highlights this academic year, including 20 presentations at the PAS in 2013. Ruddy and Cinnamon Dixon, DO, presented at an International PEM conference in Sao Paulo. Ruddy also presented in Seattle. Constance McAneney, MD, MS, presented at an ACEP conference in North Carolina. Todd Florin, MD, MSCE, presented at the Children’s Hospital of Philadelphia EM Course. Geis spoke at the AAP-EM Review Course in Austin. Iyer and Joyce Lippe, MD, presented in Orlando. And Javier Gonzalez del Rey, MD, MEd, presented in Boston, Chicago, Santo Domingo, Moscow and Qatar.

The first year of our Global Health PEM program in Malawi was completed and included five attendings, two fellows and a number of pediatric trainees rotating for up to two months. In addition to teaching medical students, the program has implemented clinical systems improvements that have substantially reduced in-
hospital mortality.

The second year of faculty development was completed with the facilitation of Scott Steel from Education and Learning. Participants included fellows and faculty from Emergency Medicine and Hospital Medicine.

Division Publications

15. Dexheimer JW, Abram TJ, Arnold DH, Johnson KB, Shyr Y, Ye F, Fan KH, Patel N, Aronsky D. An


48. Mahabee-Gittens EM, Xiao Y, Gordon JS, Khoury JC. Continued importance of family factors in youth
67. Timm NL. Maternal use of oxycodone resulting in opioid intoxication in her breastfed neonate. J...


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 Programs
  Research Interests Medical Education and 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 Suicide Screening 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
  Leadership Liberty Campus ED Assistant Medical Director
  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; Clinical Leadership Team
  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

Todd Florin, MD, MSCE, Assistant Professor
Research Interests Bronchiolitis, Pneumonia

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, 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

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

Carolyn Holland, MD, ME, 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

Laura Howell, MD, Assistant Professor
Research Interests Systems and Process Improvement

Srikant Iyer, MD, MPH, Assistant Professor
Leadership Clinical Leadership Team
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, Associate 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
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; Clinical Leadership Team
  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, Assistant Professor
  Leadership Coordinator Emergency Department Resident Education
  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; Clinical Leadership Team
  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

Kate Berz, DO, Assistant Professor (Sports Medicine)

Clinical Staff Members

Mary Jo-Ellen Erickson, MD,
PEM Trained
Catherine Gouldin, MD,
PEM Trained
Nicholas Hobart-Porter, 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
Kamali Bouvay, MD
Michael Chua, MD
Jenny Lynn DeBrueer, MD
Alison Delgado, MD
Kristen DeMarco, MD
Emily Eagen, MD
Kerry Gorman, MD
Jeanine Jennings, MD
Matthew Kenney, MD
Pamela Kingma, MD, PhD
Joy Lippe, MD
Gregory Middleton, MD, Clinical Leadership Team,
ED Clinical Leadership Team
Joanna Nacopoulos, MD
Matthew O'Rourke, MD
Janice Roeder, MD
Rima Rusnak, MD, Clinical Leadership Team,
ED Clinical Leadership Team
Lori Schroeder, MD, PhD
Kristin Stackpole, MD
Karen Szczepanski, MD
Elizabeth Templin, MD
Evan Yeung, MD
Angela Brown, RN, CNP
Jamie Gerdemann, RN, CNP
Kristina Kaufmann, RN, CNP
Jennifer Kelley, RN, CNP
Julie Miller, RN, CNP
Sara Newman, RN, CNP
Stacie Richmond, RN, CNP
Michelle Schrand, RN, CNP
Molly Stenger, RN, CNP
Anika Surratt, RN, CNP
Michelle Widecan, RN, CNP Clinical Leadership Tm,
   Clinical Leadership Team;

Trainees

Tara Rhine, MD, PL-VI, Cincinnati Children's Hospital Medical Center, Cincinnati, OH
Corrine Bria, MD, PL-VII, Cincinnati Children's Hospital Medical Center, Cincinnati, OH
Jessica Kanis, MD, PL-VII, Medical University of South Carolina, Charleston, SC
Brian Wagers, MD, PL-VII, Cincinnati Children's Hospital Medical Center, Cincinnati, OH
Brit Anderson, MD, PL-V, Children's Memorial Hospital McGaw Northwestern, Chicago, IL
Michelle Eckerle, MD, PL-V, Cincinnati Children's Hospital Medical Center, Cincinnati, OH
Michelle Widecan, RN, CNP Clinical Leadership Tm,
   Clinical Leadership Team;

Division Collaboration

Adolescent Medicine  » 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.

Adolescent Medicine; Anderson Center for Health Care Quality; Division of Surgery  » Jennifer Reed, MD, Evaline Alessandrini, MD, MSCE, Terri Byczkowski, PhD, MBA, 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.

Allergy; General Pediatrics  » Laurie Johnson, MD and Rob Kahn, MD, MPH
   Assess factors which may predict high risk of subsequent readmission and emergency room use and to examine how well these factors collectively explain readmission risk.

Allergy; Immunology  » Laurie Johnson, MD, Richard Ruddy, MD, Richard Strait, MD, and Gurjit Khurana Hershey, MD, PhD
   Gene expression profiles of acute asthma and subphenotypes of treatment response.

Anesthesiology  » Berkeley Bennett, MD, MS, Jennifer Setlik, MD, and Jaqueline Morillo-Delerme, MD
Development of program for Emergency Medicine faculty to maintain intubation skills.

Anesthesiology » Michael FitzGerald, PhD, Norbert Weidner, MS, and Carrie Morgan, MD
Survey study to assess physician attitudes and practices related to Palliative Sedation Therapy.

Behavioral Medicine; Clinical Psychology » Jacqueline Grupp-Phelan, MD, MPH and Robert Ammerman, PhD
Suicidal teens assessing treatment.

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.

Biomedical Informatics » Stephanie Spellman Kennebeck, MD, Imre Solti, PhD, John Harley, MD, and Nancy Crimmins, MD
Emerge Grant: Obesity phenotype with genotyping.

Biomedical Informatics » Judith Dexheimer, PhD and Imre Solti, MD, PhD
Patient identification in the Pediatric Emergency Department using National Language Processing Methodologies.

Biostatistics; EPI » Gary Geis, MD, Benjamin Kerrey, MD, MS, Matt Mittiga, MD, Andrea Rinderknecht, MD, and Jareen Meinzen-Derr, PhD
Factors associated with desaturation during RSI in the PED.

Cardiology; Clinical Laboratory » Berkeley Bennett, MD, MS, Cinnamon Dixon, DO, MPH, Michael Chua, MD, Elena Duma, MD, Melinda Mahabee-Gittens, MD, MS, Russel Hirsch, MD, and Paul Steele, MD
Novel use of serum cardiac troponin to evaluate for non-accidental trauma.

Cardiology; Heart Institute » Michael FitzGerald, PhD, Javier Gonzalez-del-Rey, MD, Bradley S. Marino, MD, MPP, MSCE, Joshua Daily, MD, Eileen King, PhD, MED, Kim Downing, PhD, and Richard Ittenbach, PhD
Creating a knowledge questionnaire for parents of children with heart disease.

Child Psychiatry; Biomedical Informatics » Jacqueline Grupp-Phelan, MD, MPH, John Pestian, PhD, MBA, and Michael Sorter, MD, PhD
Suicide risk assessment and prevention.

Child Psychiatry; Psychiatry Intake Response Team; Psychology » Jacqueline Grupp-Phelan, MD, MPH, Sergio Delgado, MD, and Linda Richey, LISW
Screening and engagement into services for adolescents with suicidal ideation in the Emergency Department.

Critical Care Medicine; Center for Simulation and Research » Constance McAneney, MD, MS, Gary Geis, MD, Matthew Mittiga, MD, Kenneth Tegtmeyer, MD, and Raj Basu, MD
Simulation-based training "Boot Camp" for pediatric emergency medicine and critical care Fellows.

Cincinnati BioBank Core Facility; Clinical Laboratories; Epidemiology and Biostatistics; Hospital Medicine; Infectious Diseases » Todd Florin, MD, MSCE, Richard Ruddy, MD, Michael Barnes, PhD, Jareen Meinzen-Derr, PhD, Samir Shah, MD, MSCE, Lilliam Ambroggio, MPH, PhD, Paul Steele, MD, Joel Mortenssen, PhD, and Mark Steinhoff, MD
Catalyzing ambulatory research in pneumonia etiology and diagnostic innovations in Emergency Medicine (CARPE DIEUM): Examining predictors and biomarkers of pediatric pneumonia severity and etiology.

Clinical and Translational Science and Training » Cinnamon Dixon, DO, MPH and Christopher Lindsell, PhD
An evaluation of a dog bite prevention intervention in the pediatric emergency department.
Comprehensive Children's Injury Center » Michael Gittelman, MD, Dawne Gardner-Davis, and Wendy Pomerantz, MD, MS
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.

Comprehensive Children's Injury Center; General Pediatrics » Michael Gittelman, MD, Wendy Pomerantz, MD, MS, Richard Falcone, MD, MPH, and Kieran Phelan, MD, MSc
Population Health Injury Prevention - Goal to reduce injuries in specific Hamilton County neighborhoods by 30% in 5 years.

Education and Learning » Michael FitzGerald, PhD and Daniel McLinden, EdD
Development of a knowledge test for evaluating internal QI training programs.

Education and Learning » Lisa Vaughn, PhD and Daniel McLinden, EdD
Concept mapping methodology, social network analysis.

Education and Training » Hamilton Schwartz, MD, Ken Crank, NEMT-P, Dan McLinden, EdD, and Lynn Standen
Development of on-line pediatric education for EMTs and Paramedics.

Epidemiology and Biostatistics » Selena Hariharan, MD, FAAP and Nancy Crimmins, MD
Implementation of a two bag intravenous fluid system to treat diabetic ketoacidosis.

Epidemiology and Biostatistics; Behavioral Medicine » Melinda Mahabee-Gittens, MD, MS, Jane Khoury, PhD, and Robert Ammerman, PhD, APBB
Parental tobacco cessation and adolescent smoking prevention.

Gastrointestinal » Richard Strait, MD and Lee Denson, MD
Exploring human IgG-mediated anaphylaxis.

General Pediatrics; Community Pediatrics » Lisa Vaughn, PhD and Melissa Klein, MD
Social determinants of health, poverty.

General Pediatrics; Community Pediatrics » Lisa Vaughn, PhD and Camille Graham, MD
Community research teams.

General Pediatrics; House Staff Office » Charles Schubert, MD, Michael Gittelman, MD, Wendy Pomerantz, MD, MS, Javier Gonzalez del Rey, MD, MEd, Andy Beck, MD, Melissa Klein, MD, and Ndidi Unaka, MD
Advocacy for residents and house staff including injury prevention and advocacy course.

General Pediatrics; Thoracic Surgery » Gary Geis, MD, Benjamin Kerrey, MD, MS, Richard Falcone, Jr., MD, MPH, and Margot Daugherty, RN
Monitoring the use of simulation training on technical and teamwork skills of personnel, care processes, and serious safety events on Extracorporeal Membrane Oxygenation.

Global Health » Charles Schubert, MD and Mark Steinhoff, MD, MPH
Global Child Health Program for the Residency Program.

Global Health » Cinnamon Dixon, DO, MPH and Mark Steinhoff, MD, MPH
Pediatric injury and trauma surveillance in Campinas, Brazil.

Health Network by Cincinnati Children's; General Pediatrics » Srikanth Iyer, MD, MPH, Joseph Luria, MD, and Terry Lindquist
ED utilization for low-acuity illness.

Hospital Medicine » Eileen Murtagh Kurowski, MD, MPH, Srikanth Iyer, MD, MPH, Lilliam Ambroggio, PhD, Samir
Improving adherence to the recently published community-acquired pneumonia national guidelines.

**Immunobiology** » Richard Strait, MD, Fred Finkelman, MD, and Markat Khodoun, PhD
Role of IgG1 in arthritis, role of IgG1 in cryoglobulinemia induced glomerulonephritis, immunopathology of TRALI, rapid desensitization of IgE and IgG mediated anaphylaxis, exploring human IgG-mediated anaphylaxis.

**Immunobiology** » Richard Strait, MD and Joerg Kohl, PhD
Role of complement and its receptors in IgG-mediated anaphylaxis.

**Innovation in Chronic Disease** » Terri Byczkowski, PhD, MBA and Maria Britto, MD, MPH
Asthma Innovation Lab: Improving outcomes for adolescents with asthma.

**James M. Anderson Center for Health Systems Excellence** » Terri Byczkowski, PhD, MBA and Evaline Alessandri, 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.

**James M. Anderson Center for Health Systems Excellence** » Terri Byczkowski, PhD, MBA and Evaline Alessandri, MD, MSCE
The Pediatric Emergency Department Experience: Measurable Family-centered Care.

**James M. Anderson Center for Health Systems Excellence** » Jennifer Reed, MD, Srikant Iyer, MD, MPH, Joy Lippe, MD, and Carolyn Holland, MD, MED
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.

**James M. Anderson Center for Health Systems Excellence; BMI; Surgery; Radiology** » Holly Brodzinski, MD, MPH, Evaline Alessandri, MD, MSCE, Andrew Spooner, MD, MS, FAAP, Alex Towbin, MD, and Dan vonAllmen, MD
Risk stratification to efficiently diagnose appendicitis.

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

**Neonatology; Critial Care** » Hamilton Schwartz, MD, Beth Haberman, MD, Becky Baute, RN, and Derek Wheeler, MD
Assessing utility of video television in the acute care setting.

**Neurosurgery** » Lynn Babcock, MD, MS and Todd Maugans, MD
Pediatric concussion: Pilot study using advanced magnetic resonance imaging techniques.

**Ohio Chapter of AAP** » Michael Gittelman, MD, Michael FitzGerald, PhD, and Wendy Pomerantz, MD, MS
Injury prevention anticipatory guidance quality improvement project with practicing pediatricians in Ohio.

**Oncology** » Evaline Alessandri, MD, MSCE, Nathan Timm, MD, Denise Adams, MD, and Rajaram Nagarajan, MD, MS
Decreasing time to antibiotics in febrile, neutropenic patients.
Oncology » Selena Hariharan, MD, FAAP and Brian Weiss, MD

Time to antibiotics in oncology patients with a central line.

Otolaryngology; Simulation and Research; Emergency Services » Benjamin Kerrey, MD, MS, Gary Geis, MD, Charles Meyer IV, MD, Jennifer Oehler, RN, and Mary Dewald

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

Pathology » Richard Strait, MD, Keith Stringer, MD, Shanmukappa Shiva Kumar, PhD, and David Witte, MD

Immunopathology of TRALI, role of IGG1 in cryoglobulinemia induced glomerulonephritis.

Pediatric Rehabilitation and Medicine » Lynn Babcock, MD, MS, Shari Wade, PhD, and Brad Kurowski, MD, MS

Axonal injury in mild TBI. SMART Trial.

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

Axonal injury in mild TBI.

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.

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.

Radiology/Pediatric Neuroimaging Research Consortium » Lynn Babcock, MD, MS, Blaise Jones, MD, James Leach, MD, and Weihong Yuan, PhD

Diffuse tensor Imaging and TBI (axonal injury).

Rehabilitation; Neurosurgery; Sports Medicine; Trauma; Radiology; General Pediatrics » Michael Gittelman, MD, Lynn Babcock, MD, MS, Wendy Pomerantz, MD, MS, Richard Falcon, MD, MPH, Blaise Jones, MD, Brad Kurowski, MD, MS, Chuck Mehlman, DO, MPH, Kieran Phelan, MD, MSc, Kim Price, MA, CHES, CPST, Robert Shapiro, MD, Earl Siegel, PharmD, and Shari Wade, PhD

Comprehensive Children's Injury Center (CCIC).

Rheumatology » Richard Strait, MD and Sherry Thornton, PhD

Role of IgG1 in collagen induced arthritis.

Rheumatology » Lisa Vaughn, PhD and Rina Mina, MD

Patient/family engagement with lupus.

Simulation and Research; Critical Care Medicine » Gary Geis, MD, Derek Wheeler, MD, and Amy Bunger

Improvement in identification of sepsis through the development of a formal resident simulation-based curriculum (grant funded): Therapeutic hypothermia and cardiac arrest (grant funded).

Simulation and Research; Critical Care Medicine » Gary Geis, MD and Ken Tegtmeyer, MD

Monitoring the use and effectiveness of simulation training during mock codes on clinical units.

Simulation and Research; Critical Care Medicine » Gary Geis, MD, Kamal Abulebda, MD, Ken Tegtmeyer, MD, and Benjamin Kerrey, MD, MS

Development and implementation of a procedural-based training course for endotracheal intubation and central venous catheter placement.
Monitoring the use of simulation training for Cincinnati Children's 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 Cincinnati Children's. Provide education and assessment using in situ simulation at outside hospitals as part of the Perinatal Outreach Program in order to improve both clinical and behavioral outcomes and subsequently improve the quality and safety of care that neonatal patients receive at those institutions.

Development and implementation of simulation-based training course for continual renal replacement therapy (CRRT).

Concussion education in the HS setting.

Concussion collaborative for primary care physicians.

Head injury clinic.

Grants, Contracts, and Industry Agreements

Grants and Contract Awards

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<tr>
<th>Grant and Contract Title</th>
<th>Institution</th>
<th>Start Date</th>
<th>End Date</th>
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<tr>
<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>09/01/10-08/31/13</td>
<td>$44,747</td>
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<tr>
<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>09/30/11-09/29/16</td>
<td>$40,410</td>
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<td>Development and Pilot Trial of the SMART Intervention for Children With Mild Traumatic Brain Injury</td>
<td>Ohio Department of Public Safety</td>
<td>07/01/12-06/30/13</td>
<td>$65,000</td>
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<td>Clinical Decision Rules to Discriminate Bruising Caused by Physical Child Abuse</td>
<td>National Institutes of Health (Children's Memorial Hospital)</td>
<td>05/30/11-03/31/16</td>
<td>$105,171</td>
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<tr>
<td>Author</td>
<td>Project Title</td>
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<td>BYCZKOWSKI, T</td>
<td>Resilience in Emergency Department Workers Following Workplace Violence</td>
<td>Robert Wood Johnson Foundation (University of Cincinnati)</td>
<td>09/01/12-08/31/14</td>
<td>$7,397</td>
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<td>FARIS, G</td>
<td>Prediction of Post-Concussion Syndrome in Children Using a Neuroimaging Rule</td>
<td>Academic Pediatric Association</td>
<td>07/01/12-06/30/13</td>
<td>$10,000</td>
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<td>GEIS, G</td>
<td>Acceleration to Expertise: Simulation as a Tool to Improve the Recognition of Sepsis - Continuation 3</td>
<td>Agency for Healthcare Research and Quality</td>
<td>R18 HS 020455 04/01/11-03/31/14</td>
<td>$217,496</td>
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<td>GITTELMAN, M</td>
<td>Impact of Player Education on the Prevention of Concussions in High School Athletes</td>
<td>Ohio Department of Public Safety</td>
<td>07/01/12-06/30/13</td>
<td>$58,000</td>
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<td>Injury Prevention Quality Improvement Learning Collaboration</td>
<td>Ohio Department of Public Safety (American Academy of Pediatrics)</td>
<td>08/01/12-06/30/13</td>
<td>$14,091</td>
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<td>GRUPP-PHELAN, J</td>
<td>STAT-ED Suicidal Teens Accessing Treatment after an Emergency Department Visit</td>
<td>Center for Disease Control and Prevention</td>
<td>R01 CE 002129 09/30/12-09/29/15</td>
<td>$313,225</td>
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<td>Teen Alcohol Screening in the Pediatric Emergency Care Applied Research Network</td>
<td>National Institutes of Health (Rhode Island Hospital)</td>
<td>R01 AA 021900 09/05/12-08/31/17</td>
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<td>LIPPE, J</td>
<td>Expanded HIV Testing in Ohio Emergency Departments</td>
<td>Ohio Department of Health</td>
<td>08/01/11-12/31/13</td>
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<td>MAHABEE-GITTENS, M</td>
<td>Exploring a Cessation Intervention for Low Income Smokers in an Emergency Setting</td>
<td>National Institutes of Health</td>
<td>K22 CA 163747 09/22/11-08/31/14</td>
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<td>RUDDY, R</td>
<td>Emergency Medical Services for Children: Network Development Demonstration Project</td>
<td>Health Resources &amp; Services Admin</td>
<td>U03 MC 22684</td>
<td>09/01/11-08/31/15</td>
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<td>SCHUBERT, C</td>
<td>City of Cincinnati Immunization Project</td>
<td>City of Cincinnati</td>
<td>01/01/12-12/31/16</td>
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<td>STRAIT, R</td>
<td>Prospective Cohort Study of Severe Bronchiolitis and Risk of Recurrent Wheezing</td>
<td>National Institutes of Health (Massachusetts General Hospital)</td>
<td>U01 AI 087881</td>
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**Current Year Direct** $1,738,857

**Industry Contracts**

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<tr>
<th>Researcher</th>
<th>Funding Source</th>
<th>Direct Costs</th>
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<tr>
<td>BHATT, S</td>
<td>Baxter Healthcare Corporation</td>
<td>$20,316</td>
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<td>RUDDY, R</td>
<td>AspenBio Pharma, Inc.</td>
<td>$5,775</td>
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**Current Year Direct Receipts** $26,091

**Total** $1,764,948