General and Community Pediatrics

Division Photo

1st row: D Elkeeb, C Gosdin, T DeWitt, J Klein, M Klein, J Motley;
2nd row: R Kahn, K Kerrey, K Yolton, G Szumlas, M Mansour;
3rd row: J Simmons, S Corathers, A Spanier, K Copeland, L Vaughn, P Brady;
4th row: C Larason, AM Fitz, H Kalkwarf, J Castillo;
5th row: J O'Toole, R Baker, Z Samaan, D Boyd;
6th row: A Spooner, E Kirkendale, R Hornung, N Newman;
7th row: M Vossmeyer, K Schwenk

Division Data Summary

Research and Training Details

<table>
<thead>
<tr>
<th>Details</th>
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<tbody>
<tr>
<td>Number of Faculty</td>
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Clinical Activities and Training

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<td>Outpatient Encounters</td>
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Faculty Members

Thomas DeWitt, MD, Professor; Director, Division of General & Community Pediatrics; Associate Chair for Education;
DIO & Chair, GME Committee

Research Interests: Community-based Research; Medical Education - Clinical Outcomes

Raymond Baker, MD, MEd, Professor Clinical; Director, Section of Education; Director, Masters in Medical Education
Research Interests: Medical Education

Paul Bellet, MD, Professor Emeritus

Omer Berger, MD, Professor Emeritus

Christopher Bolling, MD, Associate Professor Clinical; Medical Director, Healthworks
Research Interests: Obesity

William Brinkman, MD, MEd, Assistant Professor Clinical; Decision making
Research Interests: Decision making; Communication; ADHD

Kristen Copeland, MD, Research Assistant Professor
Research Interests: Obesity prevention in child-care

Emanuel Doyne, MD, Adjunct Professor; Director, Section of Community Pediatrics
Research Interests: Practice based research network

Sheela Geraghty, MD, MS, Research Assistant Professor; Director, Center for Breastfeeding Medicine
Research Interests: Breastfeeding Medicine

Amy Guiot, MD, Adjunct Instructor Clinical
Research Interests: Medical student education and family centered care

Richard Hornung, DrPH, Research Professor; Director, Biostatistics and Data Management Core of the Cincinnati Children's Environmental Health Center
Research Interests: Statistical methods, exposure assessment, hybrid designs

Robert Ingberg, MD, Professor Emeritus

Robert Kahn, MD, MPH, Associate Professor; Director, Section of Research
Research Interests: gene-environment interaction, disparities, asthma, ADHD

Heidi Kalkwarf, PhD, Research Associate Professor; Fracture, bone density, exercise interventions

Melissa Klein, MD, Adjunct Assistant Professor; Co Director, PPC & Hopple Street Health Center
Research Interests: Medical student and resident education; serving the underserved

Bruce Lanphear, MD, MPH, Professor; Director, Cincinnati Children's Environmental Health Center

Kadriye Lewis, EdD, Field Service Assistant Professor; Assoc Director, Masters in Medical Education
Research Interests: Medical education research and literacy

Mona Mansour, MD, MS, Associate Professor Clinical; Director, Section of Primary Care Services
Research Interests: school health, asthma, underserved populations, quality improvement

Christine McHenry, MD, MATS, Adjunct Professor Clinical; Chair, Bio-Ethics Committee
Research Interests: Ethics

Daniel McLinden, EdD, Field Service Assistant Professor
Research Interests: Evaluation, Impact, ROI, Rasch, rating scales, outcome measurement

Stephen Muething, MD, Associate Professor Clinical; Clinical Section Director; Assistant Vice President, Patient Safety
Research Interests: Patient Safety, Reliability, Adverse Events

Christopher Peltier, MD, Adjunct Assistant Professor; Associate Director, Section of Community Pediatrics
Research Interests: Medical student and resident education; community pediatrics

Rebecca Phillips, PhD, Field Service Associate Professor; Vice President of Education and Training
Research Interests: Research libraries, adult learning, and faculty development

Zeina Samaan, MD, Adjunct Assistant Professor; Co Director, PPC & Hopple Street Health Center
Research Interests: Quality Improvement

Robert Siegel, MD, Adjunct Associate Professor; Medical Director, CPRG
Research Interests: Cincinnati Pediatric Research Group

Jeffrey Simmons, MD, Instructor Clinical; Associate Director, GIS
Research Interests: Asthma, Hospitalist, Quality Improvement, Health Services, Family-Centered

Adam Spanier, MD, PhD, MPH, Research Instructor; Medical Director, Pediatric Environmental Health Clinic
Research Interests: Asthma, Environment

Gregory Szumlas, MD, Assistant Professor Clinical
Research Interests: Quality improvement, asthma, health literacy, early literacy
Lisa Vaughn, PhD, Field Service Associate Professor
Research Interests: Cultural competency, Latinos, marginalized populations, community-based participatory research methodology

Michael Vossmeyer, MD, Assistant Professor Clinical; Director, Hospitalist Section
Research Interests: High reliability, Situation Awareness, Patient Safety

Karen Wosje, PhD, Research Assistant Professor
Research Interests: Child obesity, bone health, physical activity, nutrition, preschool, child care

Kimberly Yolton, PhD, Research Assistant Professor
Research Interests: Child development, behaviors, and mood

Joint Appointment Faculty Members
Michael Benedict, MD, Assistant Professor Clinical Internal Medicine
Christine Burrows, MD, Assistant Professor Clinical Internal Medicine
Patrick Conway, MD, Assistant Professor Center for Health Policy & Clinical Effectiveness quality improvement and patient safety
Tiffiny Diers, MD, Assistant Professor Clinical Internal Medicine
Caroline Mueller, MD, Professor Clinical Internal Medicine
Kieren Phelan, MD, MS, Associate Professor Center for Health Policy & Clinical Effectiveness
Lisa Simpson, MD, Professor Center for Health Policy & Clinical Effectiveness
Andrew Spooner, MD, MS, Associate Professor Clinical Chief Medical Information Officer

Clinical Staff Members
- Kathleen Bain, MD
- Jeanne Beischel, MD
- Deborah Boyd, MD
- Patrick Brady, MD
- Scott Callahan, MD
- Cynthia Delatt, MD
- Dena Elkeeb, MD
- Anne Marie Fitz, MD
- Craig Gosdin, MD
- Gretchen Hartz, MD
- Elizabeth Kelley, MD
- Eric Kirkendall, MD
- Carrie Larason, MD
- Hong Liu, MD
- Deborah Mack, MD
- Jenny Motley, MD
- Mary Beth Pero, MD
- Andrew Poltrack, MD
- Sarah Riddle, MD
- Irina Rybalsky, MD
- Robert Schaengold, MD
Denise Somsak, MD  
Tracy Tiller, MD  
Pamela Williams-Arya, DO  

Trainees  
- Kristen Copeland, MD, PGY IX, Johns Hopkins University School of Medicine  
- Jeffrey Simmons, MD, PGY VIII, Cincinnati Children's Hospital Medical Center  
- Tanya Mullins, MD, PGY VII, Cincinnati Children's Hospital Medical Center  
- Jonathan Castillo, MD, PGY VI, Cincinnati Children's Hospital Medical Center  
- Sonya Negriff, PhD, PGY I, University of Southern California  

Significant Accomplishments in FY08  
Hospitalist Program  
The physicians of the pediatric hospitalist program, Generalist Inpatient Service (GIS), provide general pediatric inpatient care to children admitted to Cincinnati Children's Hospital Medical Center. Established as one of the first such services in the country in 1997, the program is responsible for supervision of inpatient pediatric care by resident ward teams at the main campus, direct patient care at the Liberty Township facility, inpatient consultative services for surgical patients, and staffing the General Diagnostic Clinic. In the last fiscal year, more than 4300 children were admitted to the hospitalist service, being referred to the hospitalist service from area pediatricians, family practice physicians, and community health care centers, as well as regional pediatric and community based hospitals. As of August 11, 2008, the hospitalist began to provide direct 24/7 coverage for a 12 bed observation/inpatient unit at the Liberty Township facility, incorporating the same family-centered approach. Over the last 5 years, the hospitalist service and its physicians have been nationally recognized for expertise and leadership in the provision of family-centered care that actively incorporates patients and families into rounds and medical decision-making.

The hospitalist program is led by Dr. Michael Vossmeier, with Drs. Jeffrey Simmons and Craig Gosdin as associate directors. The 23 physicians who comprise the hospitalist service focus on providing high quality, evidence-based and family-centered care to the patients and families. 17 of the 23 hospitalists have either faculty appointments or are working on advanced degrees. The hospitalists have been invited presenters at regional and national academic meetings as well as having published the results of their work in recognized peer-reviewed journals. The program is focused on developing academic hospitalists and initiated this year an academic pediatric hospitalist fellowship. The hospitalist service trains approximately 130-140 medical students and 96 resident physicians per year and is substantially involved with patient safety and quality improvement at Cincinnati Children's Hospital Medical Center in both leadership positions as well as front line work.

Obesity Issues in Child Care Settings  
Kristen A. Copeland MD is an Assistant Professor in the Division of General and Community Pediatrics. Her research is directed at preventing childhood obesity, a major and growing public health problem for young children today. Specifically, she is interested in the influence of the child care environment on children's physical activity and diet. Recognizing that 12 million children and 75% of US children between the ages of 3 and 6 are in some form of child care, and that because of the long hours many children spend in child care, their only opportunity for exercise and most of their calories may come from this environment; Dr. Copeland sees great potential public health impact in researching and improving child care nutrition and physical activity environments. Her research, funded by the National Institutes of Health (NIH) and the Robert Wood Johnson Foundation, will identify the key aspects of the child care center environment—such as physical activity policies, amount and design of playground facilities, menu content, and staff attitudes and behaviors—that effectively promote children's physical activity and a balanced dietary intake. The goal of her research is to produce new knowledge than can inform the development of evidence-based policies and practices for child-care centers that promote active play, improve children's diets and foster the development of lifelong healthy habits.

Enhancing Patient/Family Decision-Making  
William Brinkman MD MEd is an Assistant Professor in the Division of General and Community Pediatrics. His research is directed at promoting effective partnerships between families and their primary care doctors. Increasingly, the importance of productive interactions between an engaged and activated family and a prepared and proactive practice team is recognized as essential to optimizing health outcomes for children and adolescents with chronic conditions. Dr. Brinkman’s initial efforts in this area have focused on engagement of parents of children and adolescents with Attention-Deficit/Hyperactivity Disorder (ADHD). ADHD is a chronic neurobehavioral disorder that results in impairment of
academic, social, and family functioning for 8-14% of the population. While stimulant medication have been show to reduce the symptoms of ADHD, many children stop taking medicine completely or experience extended gaps in treatment. This results in unnecessary suffering for many families. To better understand the needs of families, Dr. Brinkman conducted focus groups and interviews with children and adolescents with ADHD as well as their parents and primary care doctors. Recognizing the need to augment the time-limited efforts of doctors to educate families about ADHD and treatment options, Dr. Brinkman designed a website to support families who are facing treatment decisions for their child that has been recently diagnosed with ADHD. The project was funded by the National Institute of Mental Health. The goal of his ongoing research is to segment the population at risk for poor medication continuity and develop personalized interventions that improve medication continuity among children and adolescents with ADHD.

**Significant Publications in FY08**


**Division Highlights**

**Raymond Baker, MD**
Dr. Baker has developed and supervised an online pediatric primary care curriculum and a Medical Education Research Group at CCHMC. He is co-director of the Faculty Development program and the director of the Online Master's Degree in Education for Healthcare Professionals which has expanded to over 80 trainees.

**William Brinkman, MD**
Dr. Brinkman's work focuses on healthcare communication. His recent research has explored how physicians and families interact to make treatment decisions for children with Attention-Deficit/Hyperactivity Disorder (ADHD). In work funded by the National Institute of Mental Health, Dr. Brinkman was the Principal Investigator on a subcontract to develop a web-based decision aid tool to help support families facing ADHD treatment decisions. Dr. Brinkman is currently studying systems that support treatment decisions that are informed by the best evidence as well as family values and preferences.

**Patrick Conway, MD**
Dr. Conway is currently on leave as Chief Medical Officer in the Office of the Secretary in the Department of Health and Human Services. However, he plans to return to Cincinnati Children's to continue research focused primarily on quality improvement and patient safety at the intersection of health information technology, high reliability science, and practice networks.

**Kristen Copeland, MD**
Dr. Copeland is studying the ways in which the child care environment influences children's physical activity levels and dietary intake.

**Thomas DeWitt, MD**
Dr. DeWitt has particularly focused on analysis of preventive services effectiveness and community-based research and education. An additional focus has been on the integration across the division of a multifactor asthma improvement project and its impact on patient outcomes and interactions within the division.

**Sheela Geraghty, MD, MS**
Dr. Geraghty as the Medical Director of the Cincinnati Children’s Center of Breastfeeding Medicine has research interests, funded by the National Institutes of Health, on barriers to successful breastfeeding outcomes.

Amy Guiot, MD
Dr. Guiot has focused on third year pediatric clerkship medical student activities in the inpatient setting.

Richard Hornung, DrPH
Dr. Hornung, as the Director of the Biostatistics and Data Management Core of the Cincinnati Children’s Environmental Health Center at the Cincinnati Children’s Hospital Medical Center, has focused on statistical methods for epidemiologic research, including survival analysis models, matched case-control studies, hybrid designs, exposure assessment methodology, and also has expanded into outcomes research, quality of life studies, vaccine effectiveness studies, repeated measures analysis using mixed effects models, and evaluation research.

Robert Kahn, MD, MPH
Dr. Kahn's research activity has focused on child health disparities and the contributions of both genes and environment to differences in health outcomes.

Heidi Kalkwarf, PhD
Dr. Kalkwarf's research has focused on the normal patterns of bone acquisition during growth, the consequences of low bone mass in childhood, and the influences of diet and physical activity on bone strength.

Melissa Klein, MD
Dr. Klein's main interests are medical student and resident education and addressing non-medical needs in underserved population, especially through legal advocacy.

Bruce Lanphear, MD, MPH
Dr. Lanphear's research focus is to prevent common diseases and disabilities in children, such as asthma, injuries and ADHD. Initially, his research seeks to quantify the impact of a variety of risk factors from exposures to heavy metals and chemicals, maternal depression and poverty to understand why some children develop learning problems, behavioral problems, injuries or asthma. To accurately quantify the contribution of risk factors, his research tests various ways to measure childrens’ exposures using novel biomarkers, parent report or observational surveys. His research also explores how genes impact childrens’ susceptibility or resiliency to a variety of environmental risk factors. Finally, Dr. Lanphear attempts to design studies to test the benefits of reducing childrens’ exposures to environmental hazards.

Kadriye Lewis, EdD
Dr. Lewis has conducted educational research on issues arising in and related to online, the asynchronous learning, especially in the context of Online Master's Degree program. Dr. Lewis' secondary interest is health literacy.

Mona Mansour, MD, MS
Two primary areas of interest for Dr. Mansour include improving health outcomes of children with asthma, especially children from underserved backgrounds, and school health. Her asthma work has primarily focused on the use of quality improvement methodology in different care environments to improve health outcomes for children with asthma including primary care practices, school based health centers, and within the community health care system.

Daniel McLinden, EdD
Dr. McLinden has focused on the impact on outcomes and the financial ROI of investments in the development of human capital in organizations. Additionally he has pursued objective measurement using Rasch modeling applied rating scales intended to measure outcomes.

Stephen Muething, MD
Dr. Muething's academic pursuit is focused on patient safety in pediatrics. As we make changes to reduce overall rates of harm locally and across organizations, Dr. Muething is partnering with other faculty to study these changes, systematically measure outcomes, and report on results.

Christopher Peltier, MD
Dr. Peltier's academic interest and pursuit is in the area of community-based medical student and resident education. As course director for the resident private practice rotation, he has recently completed developing goals and objectives for the rotation.
Rebecca Phillips, PhD
Dr. Phillips is establishing and studying the role of an education department in an academic health center, using systems thinking, adult learning and development theory, and research library and information science. She is particularly interested in application to faculty development, leader development and mentoring.

Zeina Samaan, MD
Focused on primary care quality improvement, Dr. Samaan has several collaborative/QI projects: improvement of childhood immunization rate; improvement of influenza vaccination rate in high risk pediatric patients; preventing medical errors in primary care setting; development screening and Autism initiative. She also focuses on the use of Electronic Health Records to deliver quality of care; implemented Flu alert using EHR to improve the rate of flu vaccination.

Robert Siegel, MD
Dr. Siegel's academic efforts continue to be through the Cincinnati Pediatric Research Group (CPRG), practice-based research network. This year the CPRG projects have included piloting an education nutritional intervention in toddlers, completion of a low carbohydrate diet intervention in overweight teens and symptom surveillance reporting by community practitioners. We also conducted a feasibility study of elimination of high fructose corn syrup in overweight children.

Jeffrey Simmons, MD
Dr. Simmons' research project, a cohort of children admitted due to an asthma exacerbates, focuses on identifying modifiable factors that predict readmission for asthma. He expects to pilot interventions that address factors identified using quality improvement techniques within the next 18 months. He is also the co-leader of the team focusing on asthma care delivery within the Division of General Pediatrics’ Academic Improvement Collaborative.

Adam Spanier, MD, PhD, MPH
Dr. Spanier's research addresses how environmental and genetic risk factors interplay in asthma severity and asthma development and to integrate this knowledge into the improved care for pediatric asthma and prevention of pediatric asthma.

Gregory Szumlas, MD
Dr. Szumlas’ academic interests are in quality improvement and literacy. In quality improvement, his efforts have been concentrated on chronic disease management, particularly asthma, using the Chronic Care Model. His interests in literacy include early literacy promotion and health literacy, especially in the application of the concepts of health literacy to chronic asthma management integrating literacy and quality improvement.

Lisa Vaughn, PhD
As a social psychologist, Dr. Vaughn is particularly interested in marginalized populations, especially immigrant families to the U.S. with emphasis on Latinos, and how the socio-cultural context affects the health and well-being of families and children, using qualitative and community-based participatory research methodologies and interdisciplinary collaboration.

Michael Vossmeyer, MD
Dr. Vossmeyer's academic interests are the development and implementation of highly reliable systems of care especially in the area of patient safety, the use of situation awareness to improve patient safety and patient flow through complex adaptive systems, and the relationship between prior learning experiences and the application of situation awareness.

Karen Wosje, PhD
Dr. Wosje is a nutritional epidemiologist with broad statistical training and experience in physical activity and nutrition-related determinants of child bone health and obesity prevention. Her most recent interests focus on improving the physical activity and nutrition environments of child care centers in Ohio to prevent child obesity. She has a primary role in developing a one-county pilot study to implement a new state program, Buckeye Best Child Care, with a plan for eventual state-wide roll-out of the program. She collaborates with multiple state agencies including the Ohio Department of Health, Ohio Department of Job and Family Services, Ohio Department of Education, Healthy Ohio (Governor’s health care reform initiative), and the American Cancer Society.

Kimberly Yolton, PhD
Dr. Yolton is a developmental psychologist interested in the study of factors that may alter the normal trajectory of a child's development, behaviors, and mood, including exposures to toxicants (e.g., tobacco, drugs, and environmental
Division Collaboration

Collaboration with Adolescent Medicine
Collaborating Faculty: Maria Britto, MD, MPH
Interacts at research meetings for the Center for Innovation in Chronic Care Disease Care. Dr. Britto is a co-mentor on Dr. Brinkman's K23 application and collaborating on an Outcomes Research Award application.

Collaborate on patient preference research with Dr. Hornung

Collaboration with Adolescent Medicine
Collaborating Faculty: Frank Biro, MD; Lorah Dorn, PhD
Dr. Biro provides Dr. Kalkwark expertise in maturational assessment in longitudinal study of bone mineral density in healthy children.

Dr. Kalkward provides expertise in bone density measurement for Dr. Dorn’s study of smoking and metabolic complications in adolescent girls.

Collaboration with Allergy & Immunology
Collaborating Faculty: Michelle Lierl, MD
Collaboration with Dr. Spanier on Nitric Oxide studies.

Collaboration with Allergy & Immunology
Collaborating Faculty: Neeru Hershey
Dr. Simmons is a co-investigator on a pilot project investigating the change in RNA expression profiles overtime in patients admitted for asthma. He is responsible for the inpatient portion of the study.

Collaboration with Behavioral Medicine and Clinical Psychology
Collaborating Faculty: Jeff Epstein, PhD
Collaborating on an Outcomes Research Award application. In addition, Dr. Brinkman serves as the study physician on Dr. Epstein’s R01 entitled, "Response Variability in Children with ADHD." Dr. Brinkman started a clinical service (e.g. ADHD Medication Consultation Clinic) in the Center for ADHD.

Collaboration with Behavioral Medicine and Clinical Psychology
Collaborating Faculty: Lori Stark
Collaborating with Dr. Kalkwarf on an exercise intervention in children with a forearm fracture, Dr. Stark has provided the behavioral expertise to promote adherence to the intervention.

Collaboration with Division of Behavioral Medicine and Clinical Psychology
Collaborating Faculty: Dean Beebe, PhD; Kelly Byars, PsyD
Collaborating with Dr. Yolton on 2 projects related to children's sleep patterns and how they are impacted by development in general as well as exposures to environmental toxicants such as tobacco smoke.

Collaboration with Division of Biostatistics and Epidemiology
Collaborating Faculty: Jane Khoury, PhD
Previous and current collaborations with Dr. Yolton on several projects examining the potential effects of tobacco smoke exposure during pregnancy and childhood on neurobehavior from the newborn period through childhood.

Collaboration with Division of Cardiology
Collaborating Faculty: Phillip Khoury, MS; Randal Clayton, PhD; Marcia Schmidt, MS, RD
Dr. Wosje has collaborated extensively with Philip Khoury, MS, Randal Claytor, PhD, and Marcia Schmidt, MS RD, to prepare data and disseminate findings from the BMI Rebound Study, a 4-year longitudinal study beginning at age 3 years.

Collaboration with Division of Critical Care Medicine
Collaborating Faculty: Dr. Derek Wheeler
Working with Dr. Vossmeier to decrease codes outside of critical care units.

Collaboration with Division of Developmental and Behavioral Pediatrics
Collaborating Faculty: Tanya Froehlich
Collaboration with Dr. Kahn on genetic and environmental influences on the etiology and treatment of ADHD.

**Collaboration with Education and Training**

**Collaborating Faculty:** Stacey Farber; Janet Forbes; Daniel McLinden; Rebecca Phillips  
Collaboration with Dr. Vaughn on: photovoice and resilience in families/children; psychometric validation using Rasch analysis of the Pediatric Cultural Health Attributions Questionnaire; intercultural adjustment for cultural competency; Health disparities, social network analysis

**Collaboration with Emergency Medicine**

**Collaborating Faculty:** Jackie Grupp-Phelan; Melinda Mahabee-Giddens; Mary Patterson  
Collaboration with Dr. Vaughn on: participatory research methodologies for use with mental health engagement; cultural aspects of smoking prevention and cessation, qualitative methodology; latent threats to ED identified in simulation; prevention Focus Group: health engagement and interventions via the ED; qualitative analysis and methodology.

**Collaboration with Emergency Medicine**

**Collaborating Faculty:** Rick Strait  
Dr. Strait is the co-investigator on Dr. Simmons RNA expression project responsible for the Emergency Department portion of the study.

**Collaboration with Endocrinology**

**Collaborating Faculty:** Debra Elder; Sue Rose; Peggy Stenger, DO  
Collaboration with Dr. Kalkwarf on maturational assessment in a longitudinal study of bone mineral density in healthy children.

**Collaboration with Division of Epidemiology and Biostatistics**

**Collaborating Faculty:** Ardythe Morrow; Jane Khoury  
Assisting Dr. Copeland with the design of child care center studies, with a particular focus on breastfeeding in the child care environment and with the data analysis of my child care studies.

**Collaboration with Gastroenterology**

**Collaborating Faculty:** James Heubi, MD  
Dr. Heubi provides Dr. Kalkwarf with expertise in maturational assessment in longitudinal study of bone mineral density in healthy children.

**Collaboration with Division of Health Policy and Clinical Effectiveness**

**Collaborating Faculty:** Carol Lannon; Peter Margolis; Michael Seid; Lisa Simpson  
Collaborates with Dr. Muething on: practice-based research network grant on improving care for diabetes and asthma and measuring how context may effect the success of quality improvement interventions; health policy and health information technology focused research; AHRQ CERT grant to develop an Automated Adverse Event Detection Program

**Collaboration with Health Policy and Clinical Effectiveness**

**Collaborating Faculty:** Peter Margolis  
Works with Dr. Kahn to stratify children at various levels of risk developmental delay and then develop population based interventions.

**Collaboration with Human Genetics**

**Collaborating Faculty:** Elizabeth Schorry  
Collaborating with Dr. Kalkwarf on a multi-center study of bone density in children with neurofibromatosis 1.

**Collaboration with Infectious Diseases**

**Collaborating Faculty:** Mary Staat  
Collaborate with Dr. Hornung on vaccine effectiveness studies with the CDC

**Collaboration with Division of Neonatology/Pulmonary Biology**

**Collaborating Faculty:** Kurt Schibler, MD  
Dr. Yolton, as the principal investigator of Follow-up Research within the Cincinnati site of the Neonatal Research Network, collaborates with Dr. Schibler focus on neurobehavioral outcomes of high-risk newborns.

**Collaboration with Oncology**
Collaborating Faculty: Dr. Parentesis
Collaboration with Dr. Muething on reduction of medical errors with chemotherapeutic agents

Collaboration with Orthopedics
Collaborating Faculty: Junichi Tami; Eric Wall
Collaborating with Dr. Kalkwarf on an exercise intervention in children with a forearm fracture, have provided access to their patients and have evaluated the safety of the intervention

Collaboration with Pulmonary Medicine
Collaborating Faculty: Carolyn Kerscmar
Both through the RNA expression grant and Gen Peds AIC asthma project, Dr. Simons is working with Dr. Kerscmar to both improve care for inpatient asthmatics and to better engineer our inpatient system as a clinical laboratory.

Collaboration with Radiology
Collaborating Faculty: Tal Laor
Collaborating with Dr. Kalkwarf to diagnose and classify children’s forearm fractures for a case control study of bone density and forearm fracture.

Collaboration with Radiology
Collaborating Faculty: Chris Brubaker; Kim Cecil
Collaborate on brain imaging studies

Collaboration with Sports Medicine
Collaborating Faculty: Tim Hewett
Collaborating with Dr. Kalkwarf on an exercise intervention in children with a forearm fracture by providing expertise on the design of the intervention.

Collaboration with Colorectal Surgery; Surgery
Collaborating Faculty: Marc Levitt, M.D.; Richard Azizkhan, M.D.
Working with Dr. McLinden evaluating of the impact of Colorectal surgical training conference - Education and Training Project.

Collaboration with Pulmonary Medicine/Asthma Center; Patient Services; Pharmacy; Home Health Care
Collaborating Faculty: Carolyn Kercsmar
Working with Dr. Mansour on the academic improvement collaborative focused on improving asthma care for Hamilton County medicaid children with asthma involves collaboration with multiple partners including other academic divisions, hospital departments, and community organizations. The primary division with which we are collaborating on this effort is the Pulmonary Division via the Asthma Center and Dr. Carolyn Kercsmar. The work has also involved collaboration with Patient Services, Pharmacy, Inpatient Unit Leadership, Home Health Care, as well as community organizations such Medicaid Managed Care and the Cincinnati Department of Health, School Health Division.

Collaboration with Health Policy and Clinical Effectiveness; Managed Care
Collaborating Faculty: Peter Margolis; Keith Mandel
Dr. Margolis serves as a mentor on Dr. Simmons’ current asthma project, and will become more involved as he move into the intervention phase.

Drs. Mandel and Simmons am a co-investigator on a grant from the Center for Healthcare Strategies with Dr. Mandel that is tied to our General Pediatrics AIC project, and augments the analytic framework around the project through collaboration with outside analytic groups.

Collaboration with Biostatistics & Epidemiology; Neonatology; Pharmacology
Collaborating Faculty: Ardythe Morrow
Dr. Geraghty is the Medical Director of the Center for Breastfeeding Medicine which is a collaborative effort among Cincinnati Children’s Hospital divisions of general and community pediatrics, nutrition therapy, neonatology, biostatistics and epidemiology, pharmacology, and nursing services. Dr. Geraghty is a co-investigator on a grant awarded through the University of Cincinnati, Interdisciplinary Grant program which includes faculty from obstetrics/gynecology, internal medicine, romance languages, and nutrition.

Collaboration with Emergency Medicine; Adolescent Medicine
Collaborating Faculty: Connie McAneney; Corrhine Lehman
Mentions in Consumer Media

- **Testing Lead Rules**, Magazine
- **PROPHYLACTIC ANTIMICROBIAL TREATMENT FOR CHILDREN WITH INITIAL URINARY TRACT INFECTION IS NOT ASSOCIATED WITH REDUCED RISK OF RECURRENT**, JAMA news release that was picked up by New York Times, CNN, USA Today, and other news outlets, Television
- **Nurse Staffing Mandates Are No Quality Panacea**, Wall Street Journal, Newspaper
- **The Flip-Flop Factor: Why Day Care Kids Don’t Play Outside**, NY Times Well Blog & podcast, Newspaper
- **Teens Think They Have Asthma Under Control, But Benefit From New Approach To Treatment**, Associated Press, Newspaper

Division Publications

17. Bigham MT, Brady PW, Manning PB, Jacobs BR, Kimball TR, Wong HR. *Therapeutic application of intrapericardial...*


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<tr>
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<td>Epidemiologic Survey of Department of Defense Contract Workers at the Iowa Army Ammunition Plant</td>
<td>Department of Defense - Army (University of Iowa)</td>
<td>W911SR-05-C-0055</td>
<td>11/01/05 - 09/28/08</td>
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<td>$17,801 / $48,980</td>
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<td>Hemorrhagic and Ischemic Stroke Among Black and Whites</td>
<td>National Institutes of Health (University of Cincinnati)</td>
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<tr>
<td>The Effect of Improved Hospital Reimbursement for Rt-PA in OH</td>
<td>Centers for Disease Control and Prevention (University of Cincinnati)</td>
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<td>10/01/06 - 09/30/09</td>
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<td>$19,827 / $62,779</td>
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<td>Kahn, R.</td>
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<td>Childhood Asthma In The Era Of Genomics: Will The Generalist's Role Need To Be Recast?</td>
<td>Robert Wood Johnson Foundation</td>
<td>07/01/04 - 06/30/08</td>
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<td>$122,450 / $296,647</td>
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<td>Kalkwarf, H</td>
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<td>Bone Mineral Density In Childhood Study</td>
<td>National Institutes of Health</td>
<td>N01 HD 013329</td>
<td>10/01/06 - 06/30/09</td>
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<td>$464,604 / $932,356</td>
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<td>Fellows Training Program / Institutional National Research Service Award</td>
<td>Health Resources and Services Administration</td>
<td>T32 PE 010027</td>
<td>07/01/03 - 06/30/08</td>
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<td>$394,030 / $1,830,773</td>
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<td>A Community-Based Trial to Prevent Lead Poisoning and Injuries</td>
<td>National Institutes of Health</td>
<td>R01 ES 014575</td>
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<td>$415,285 / $2,065,991</td>
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<td>Office-Based Low Carbohydrate Diet Intervention In Children</td>
<td>Atkins Foundation</td>
<td>07/01/04 - 06/30/08</td>
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<td>Simmons, J</td>
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<td>Identifying Clinically Meaningful Factors to Target Children at High Risk of Readmission for Asthma</td>
<td>Thrasher Research Fund</td>
<td>03/01/08 - 02/28/09</td>
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<td>Spanier, A</td>
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<td>Environmental Exposures, NOS Genes, and Exhaled Nitric Oxide in Pediatric Asthma</td>
<td>National Institutes of Health</td>
<td>R21 HL 083145</td>
<td>07/01/06 - 06/30/08</td>
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<td>Low Level Tobacco Exposure and Infant Wheeze</td>
<td>Flight Attendant Medical Research Institute, Inc</td>
<td>07/01/07 - 06/30/10</td>
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<td>$100,000 / $300,000</td>
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<td>Vaughn, L</td>
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<td>Latina Tweens: Faltering and Forgotten In Health Care</td>
<td>Harmony Gardens</td>
<td>07/01/2007 - 01/31/2008</td>
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<td>Dietary Patterns in Relation to Adiposity and Bone Mass in Young Children</td>
<td>National Institutes of Health</td>
<td>R21 DK 077100</td>
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### Tobacco Smoke and Early Human Neurobehavior

Yolton, K  
*Flight Attendant Medical Research Institute, Inc*  
07/01/07 - 06/30/10  
$100,000 / $300,000

### National Children's Study Vanguard Centers

**National Institute of Health (South Dakota State University)**  
N01HD63416  
11/01/2005 - 10/31/2010  
$47,923 / $439,219

| Current Year Direct | $2,561,408 |

## Service Collaborations

### Kahn, R

- Medical Legal Partnership Cincinnati Bar Foundation  
  $ 5,000
- Medical Legal Partnership - Cleveland  
  $ 3,333
- Medical Legal Partnership - Boston  
  $ 10,000

### Lewis, K

- Pfizer  
  $ 7,500

### Mansour, M

- Neighborhood Health Care, Inc.  
  $ 326,761

### Spanier, A

- Pediatric Environmental Health Speciality Units  
  $ 20,000

| Current Year Direct | $372,594 |

## Funded Collaborative Efforts

### Bolling, C

- **Pursuing Perfection in Pediatric Therapeutics**  
  Agency for Healthcare Research and Quality  
  Lannon, C  
  09/01/07 - 08/30/11  
  5 %

- **Adolescent Bariatrics: Controlled Longitudinal Study of Psychosocial Development**  
  National Institutes of Health  
  Zeller, M  
  03/01/08 - 02/28/13  
  3 %

### Brinkman, W

- **Response Variability in Children with ADHD**  
  National Institutes of Health  
  Epstein, J  
  04/01/06 - 03/31/10  
  20 %

### Kahn, R

- **Epithelial Genes in Allergic Inflammation**  
  National Institutes of Health  
  Hershey, G  
  09/15/06 - 08/31/11  
  4 %

- **EDSI First 5 LA**  
  Regents of the University of California, Los Angeles  
  Margolis, P  
  12/01/05 - 11/30/08  
  20 %

### Kalkwarf, H

- **Smoking and Metabolic Complications in Adolescent Girls**  
  National Institutes of Health  
  Dorn, L  
  02/01/04 - 01/31/09  
  5 %

- **Spinal Abnormalities in Neurofibromatosis Type 1**  
  National Institutes of Health  
  Schorry, E  
  07/01/2006 - 03/31/2011  
  4 %
<table>
<thead>
<tr>
<th>Name</th>
<th>Project Title</th>
<th>Institution</th>
<th>Start Date</th>
<th>End Date</th>
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<td>Muething, S</td>
<td>Pursuing Perfection in Pediatric Therapeutics</td>
<td>Agency for Healthcare Research and Quality</td>
<td>09/01/07</td>
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<td>10 %</td>
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<td>Lannon, C</td>
<td>PICU - BSI Collaborative Phase III</td>
<td>National Association of Children's Hospitals and Related Institutions</td>
<td>10/01/07</td>
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<td>Yolton, K</td>
<td>NICHD Cooperative Multi Center Neonatal Research Network</td>
<td>National Institutes of Health</td>
<td>04/01/06</td>
<td>03/31/11</td>
<td>10 %</td>
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**Total** $2,934,002