

2014 Research Annual Report

General and Community Pediatrics



Division Summary

RESEARCH AND TRAINING DETAILS

Number of Faculty	29
Number of Joint Appointment Faculty	9
Number of Research Fellows	1
Number of Support Personnel	37
Direct Annual Grant Support	\$2,349,220
Direct Annual Industry Support	\$7,854
Peer Reviewed Publications	47

CLINICAL ACTIVITIES AND TRAINING

Number of Clinical Staff	124
Number of Staff Physicians	24
Number of Clinical Fellows	2
Outpatient Encounters	85,140

Division Photo



Row 1: B Brinkman, M Klein, R Kahn, T DeWitt, M Mansour, C Peltier, C Graham
Row 2: S Revis, K Kerrey, E Springer, S Riddle, M Hennigan, J Hardie, J Klein, K Yolton, Z Samaan, W Chouteau, A Schulert, C McIntyre
Row 3: M Pero, N Massengill, T Tiller, M Burkhardt, M Gallagher, C Brown, K Kalkwarf, K DeMarco, M French, T DeMartini, G Szumlas, L Crosby
Row 4: J Hutton, E Lipstein, N Newman, K Phelan, R Harper, S Warrick, D Warrick, A Beck, N DeBlasio, S Geraghty, J Morehous, M McCray

Significant Accomplishments

Proving Walk-In Ill Care is a Feasible Primary Care Alternative to Emergency Department Use

The Division of General and Community Pediatrics is on a journey to dramatically improve primary-care delivery, building a rigorously developed new model that can be shared nationally. This year, the Ill Care Improvement team, led by **John Morehous, MD**, and **Steve Warrick, MD**, successfully tested and developed a model for walk-in access for sick patients. The work began at the Pediatric Primary Care Center in collaboration with the Anderson Center and Emergency Department. A separate care team and workflow stream for walk-ins were created. No patients are scheduled; patients are encouraged to walk-in for care when it is convenient. The hours were initially limited, but have expanded to 8 a.m. to 8 p.m., five days a week. A significant shift has occurred: approximately 10 percent of ill visits have moved into the PPC from the hospital's ED and Urgent Care. This means more ill visits occur daily in the medical home, at greater convenience to families. This year was one for testing and the goal for the coming year is to accelerate this shift.

The model is being refined to address two important issues: missed preventive services and high acuity walk-ins. The team is testing delivery, during the walk-in visit, of immunizations, risk factor screening, lead screening, and developmental screening; this is one substantial advantage of visits in primary care over the ED. A severe acute illness protocol is also being developed, given the potential for a very sick patient to walk in suddenly. The redesign work has already led to two manuscript submissions and multiple presentations at national conferences.

Faculty Awards for Service and Advocacy

This year, the Division of General and Community Pediatrics was home to two winners of the Cincinnati Children's Faculty Awards for Service and Advocacy. **Robert Kahn, MD, MPH**, and **Andrew Beck, MD, MPH**, were recognized for their innovative work in community health. Community health and advocacy are increasingly relevant given healthcare reform. The Division has been at the forefront of such work in clinical practice and research. Kahn is director of the Cincinnati Child Health-Law Partnership (Child HeLP), a partnership with the Legal Aid Society. This program has brought legal services related to public benefits, housing, and education to more than 2,000 families over the past five years. Beck directs two additional community partnerships. Collaborating to Lessen Environmental Asthma Risks (CLEAR) is a program that connects children hospitalized with asthma who have a home environmental risk with Cincinnati Health Department housing inspectors. The Keeping Infants Nourished and Developing (KIND) program is a partnership with the Freestore Foodbank to provide supplemental formula and other resources to food insecure households with infants. The two programs have impacted well over 2,000 families.

The service and advocacy have been complemented by academic rigor and funding. Kahn and Beck, in collaboration **Melissa Klein, MD, Med**, Child HeLP program manager Adrienne Henize, and others have published six papers on these partnerships. In addition to community partnerships, the work has spawned new collaborations across UC with DAAP and investigators in geography and pharmacy. Funding for the work has come from NIH, the CCTST, Procter & Gamble, the Bethesda Foundation, and private donors.

Research Highlights

Thomas DeWitt, MD

Dr. DeWitt is the director of the Division of General and Community Pediatrics and the designated institutional official. He is primarily interested in faculty and education development, medical education and innovation linked to research and outcomes, and leadership development.

Andrew F. Beck, MD, MPH

Dr. Beck focuses on disparities in health outcomes with particular attention paid to geographic and neighborhood factors. Currently, he is exploring ways to risk-stratify children admitted to the hospital with asthma through the use of area-based social and environmental measures, and ways to use mapping and epidemiological "hot spotting" to help target interventions. He has also pursued pilot work focusing on building bridges between the hospital and community resources capable of providing our families with assistance. For example, he helped to start the CLEAR (Collaboration to Lessen Environmental Asthma Risks) program, a means of linking children with environmental risks to code enforcement visits. Dr. Beck has also helped to start the KIND (Keeping Infants Nourished and Developing) program, a partnership with the Freestore Foodbank devoted to providing hungry infants with formula.

William Brinkman, MD MEd, MSc

Dr. Brinkman researches shared decision-making between patients/parents and clinicians to promote high value care that are evidence-based and family-centered.

Courtney M. Brown, MD, MS

Dr. Brown's research focuses on social and emotional development in preschool aged children and on enhancing interdisciplinary efforts to connect families with services that promote healthy social-emotional development. She also has an interest in improving systems for reliable delivery of preventive services in pediatric primary care settings.

Kristen Copeland, MD

Dr. Copeland is interested in health promotion and obesity prevention in child-care settings – specifically creating healthier eating environments and helping to shape healthy eating habits among preschoolers and their families. She is also interested in physical activity promotion in child care and policies to promote physical activity.

Nick DeBlasio, MD

Dr. DeBlasio's main areas of interest include providing clinical care to underserved populations, primary care education of both residents and medical students; working on innovative ways to teach and evaluate learning; quality improvement projects within PPCC to optimize flow and patient/provider/staff satisfaction.

Derek Fletcher, MD

Dr. Fletcher is currently the interim director of Complex Care. His interest is in providing primary care for the medically complex child. His current focus is on developing "error free" home Plans of Care generated by Epic, that are required by all home nursing agencies.

Sheela Rath Geraghty, MD, MS, IBCLC

Dr. Geraghty is a general pediatrician and a lactation consultant. She is the medical director of the Cincinnati Children's Center for Breastfeeding Medicine, which consists of four outpatient referral-based clinics, an inpatient consultative service, a milk bank depot, and an information line which receives approximately 1,500 phone calls annually. Dr. Geraghty's research interests focus on the barriers to successful breastfeeding outcomes, including the prevalent practice of breast milk pumping, milk sharing, and the potential impact on the mother-infant dyad.

Camille Graham, MD

Dr. Graham is interested in strengthening the collaboration between Cincinnati Children's Hospital and the community by creating a regionalized aligned system of care, developing community partnerships to improve population health, eliminating health disparities, improving asthma outcomes in primary care sites, and in helping develop and strengthen pediatric patient-centered medical homes.

Robert Harper, EdD

My professional interest is leadership and management in online education and professional development. This interest will be extended in an upcoming research initiative focused on determining the professional development needs of healthcare professionals who have responsibilities for curriculum development and instruction for other healthcare professionals.

Tzipi Horowitz-Kraus, PhD

Dr. Horowitz-Kraus define the role of executive control during reading and following reading remediation in children with reading difficulties using neuroimaging tools. She is the program director of the reading and literacy discovery center so together with the RLDC team, they are working on the development of the center.

Robert Kahn, MD, MPH

Dr. Kahn is focused on understanding and ameliorating social and racial disparities in child health. Dr. Kahn is finishing a large NIH funded study of children admitted with asthma to better understand what predicts time to readmission and what causes disadvantaged children to be admitted much sooner. The study examines multiple factors ranging from neighborhood to family to genetics. Dr. Kahn also leads Cincinnati Children's Population Health initiative that addresses infant mortality, injury, obesity, and asthma in Hamilton County. This effort is in collaboration with multiple Divisions and Departments at the hospital. Finally, he has also developed and helps guide several innovative programs to address key causal factors. These include

collaborations with the Legal Aid Society of Greater Cincinnati, the Freestore Foodbank, United Way of Greater Cincinnati and the Cincinnati Health Department.

Heidi Kalkwarf, PhD

Dr. Kalkwarf's research focuses on bone health of children, adolescents, and young adults. Specific themes aim to: 1) characterize bone mineral acquisition during different stages of growth and maturation in order to develop reference data that can be used to identify bone deficits in children with chronic medical conditions; 2) identify the how body composition, physical activity and dietary intake affect bone mineral accrual during growth; 3) investigate whether bone status measurements made in early childhood are stable over time; and 4) investigate whether bone characteristic in childhood predict fracture risk.

Melissa D. Klein, MD, MEd

Dr. Klein is a general pediatrician, medical educator, and researcher. She is the director of the Section of Education in the Division of General and Community Pediatrics and the Associate Program Director of Pediatric Residency. Dr. Klein is the director of the General Pediatrics Master Educator Fellowship, an innovative fellowship focused on educational scholarship and leadership. Her main research interest focuses on improving resident screening and management of the social determinants of health during routine well-child care through innovative educational experiences. She serves as a physician champion for Child HeLP (Health Law Partnership) and is one the founding members of the KIND (Keeping Infants Nourished and Developing) partnership aimed at eliminating infant hunger.

Coleen Kraft, MD

Dr. Kraft's primary interest involves health care financing and underserved populations. As medical director of the Health Network by Cincinnati Children's, Dr. Kraft is designing innovative payment models that utilize community-based solutions to address social determinants of health, improving health outcomes and decreasing healthcare costs. She has been involved in projects demonstrating efficacy of integration of Home Visiting in the pediatric medical home, and developing medical homes for children with special healthcare needs.

Mona E. Mansour, MD, MS

Primary professional focus for Dr. Mansour is improving health outcomes of vulnerable children and reducing disparities in health care through redesign of care delivery systems. Special areas of interest include children with asthma and school health. Her work has focused on use of quality improvement methodology in a variety of different care environments including primary care practices, school based health centers, and within the community health care system.

Daniel McLinden, EdD

Working with the Collaborative Chronic Care Network (C3N) in the Anderson Center at Cincinnati Children's, Dr. McLinden leads a multidisciplinary team that has conceptualized and created an online learning resource to make it possible for a geographically dispersed community of clinicians, scientists, patients, and parents in 60+ care centers to pool their knowledge, learn from each other to improve outcomes (ICNExchange.org).

Continuing to develop concept mapping methodology through applied projects within the medical center, research projects and resulting publications, and through co-editing a future special issue of the journal *Evaluation & Program Planning*.

John Morehous, MD

Dr. Morehous' primary focus is improving care delivery systems to improve child health and well-being across the community. Using both design principles as well as quality improvement methodologies to develop and

implement clinic-wide interventions focusing on delivering needed care, as efficiently as possible, and simultaneously delivering the best possible experience to the family.

Nicholas Newman, DO, MS

Dr. Newman's research and clinical interests and research involve Pediatric Environmental Health. He is interested in understanding how toxicants in the environment can affect children's health then translate this understanding into clinical or public health approaches to prevent or mitigate these effects. His recent research has examined the effect of traffic related air pollution exposure on both pulmonary and non-pulmonary systems in children. He works with the Cincinnati Health Department, the Ohio Department of Health, community groups, federal agencies, and the University of Cincinnati to develop and implement environmental health interventions.

Chris Peltier, MD

Dr. Peltier's academic interest is in the area of community-based teaching of pediatric residents and medical students. He also has an interest in faculty education and development.

Judith R. Ragsdale, MDiv, PhD

Dr. Ragsdale's interests include adult development in the process of Supervisory Clinical Pastoral Education; use of spirituality in coping with illness; and developing a way to identify best practices in pediatric chaplaincy.

Sarah Riddle, MD, IBCLC

Dr. Riddle's primary focus is breastfeeding medicine, specifically defining and improving the activities of the Breastfeeding Medicine Clinic and investigating low milk supply in the breastfeeding mother.

Zeina Samaan, MD

Dr. Samaan is focused on primary care re-design which include improving preventive service delivery, ill care open access initiatives, and chronic care as well as quality improvement which includes improvement of childhood immunization rate, improvement of influenza vaccination rate in high risk pediatric patients, preventing medical errors in primary care setting, lead screening, development screening and Autism initiatives, and improving asthma care for underserved inner city children. She also focuses on the use of Electronic Health Record to deliver quality of care; implemented flu alert using EHR to improve the rate of flu vaccinations.

Gregory Szumlas, MD

Dr. Szumlas focuses on early childhood literacy and kindergarten readiness. He is the medical director of the local and regional Reach Out and Read programs. He also participates in asthma quality improvement efforts and is interested in health literacy, particularly concerning asthma.

Denise M. Warrick, MD

Dr. Warrick's professional interests include education, advocacy and quality improvement. She is currently leading the redesign of our primary care curriculum for our residents and was recently appointed as co-director of our resident advocacy curriculum at Cincinnati Children's.

Stephen Warrick, MD

Dr. Stephen Warrick's professional interests include Global Child Health and the education and preparation of residents and students for rotations in international locations. He also has an interest in preventative health care and ill care access at our facilities. He is currently pursuing a Master's of Medical Education.

Kimberly Yolton, PhD

Dr. Yolton is a developmental psychologist researching the effects of prenatal and postnatal exposures to

environmental toxicants (e.g. tobacco smoke, pesticides, air pollution, and industrial chemicals) on neurobehavioral outcomes during infancy and childhood. She is additionally involved in research on neurobehavioral outcomes of high risk infants. She has expertise in research methodologies for assessing neurobehavior from the newborn period through adulthood.

Significant Publications

Beck AF, Huang B, Simmons JM, Moncrief T, Sauers HS, Chen C, Ryan PH, **Newman NC**, **Kahn RS**. **Role of financial and social hardships in asthma racial disparities**. *Pediatrics*. 2014 133(3):431-9.

Among children admitted for asthma, African Americans were twice as likely to be readmitted as whites. Nearly half the disparity was explained by socioeconomic status and hardships such as difficulty making ends meet. Community-based interventions targeting hardships may be more feasible given emerging health care payment reform.

Demartini TL, **Beck AF**, **Klein MD**, **Kahn RS**. **Access to digital technology among families coming to urban pediatric primary care clinics**. *Pediatrics*. 2013 132(1):e142-8.

Internet, smartphones, and online social media offer new platforms for health promotion and disease management. This study found that caregivers in an urban, underserved pediatric primary care setting have access to and frequently use the Internet, smartphones, and online social media. These technologies may help reach a traditionally hard-to-reach population, providing a means of achieving more continuous preventive care.

Kalkwarf HJ, Abrams SA, DiMeglio LA, Koo WW, Specker BL, Weiler H. **Bone densitometry in infants and young children: the 2013 ISCD Pediatric Official Positions**. *J Clin Densitom*. 2014 17(2):243-57.

Infants and young children experience diverse chronic medical conditions and/or are treated with pharmaceutical agents that affect bone accretion, increase bone fragility, and may prevent them from reaching their genetic potential for peak bone mass. In 2013, the International Society for Clinical Densitometry reviewed the literature addressing appropriate methods and skeletal sites for clinical bone health assessments in infants and young children, and how results should be reported to account for skeletal size and growth. This report includes the first guidelines for use of dual energy x-ray absorptiometry to evaluate bone health in children five years of age.

Klein MD, Schumacher DJ, Sandel M. **Assessing and Managing the Social Determinants of Health: Defining an Entrustable Professional Activity to Assess Residents' Ability to Meet Societal Needs**. *Acad Pediatr*. 2014 14(1):10-13.

Assessing and managing the social determinants of health (SDH) is a critical element of patient care that impacts long-term health and well-being. Although many training programs have developed educational experiences on SDH, objective assessment of learners' skills has remained difficult. The implementation of milestone evaluations and Entrustable Professional Activities (EPA) create an opportunity for improved evaluation of these essential skills along the medical education continuum. Defining the assessment of management of SDH as an EPA may prove to be an important framework to assess the learner's ability and trustworthiness in caring for patients from underserved populations.

Newman NC, Ryan PH, Huang B, **Beck AF**, Sauers HS, **Kahn RS**. **Traffic-related air pollution and asthma hospital readmission in children: a longitudinal cohort study**. *J Pediatr*. 2014 164(6):1396-1402.e1.

Asthma is the most common chronic disease of childhood. Understanding how traffic-related air pollution exposure affects asthma exacerbations is of importance to both clinicians and policy-makers. This study is the first to look at the effect of traffic-related air pollution exposure on hospital re-admission for asthma for which detailed information about other asthma triggers, social risk factors, and medical risk factors were known for

all the children in the study. The study demonstrated that exposure to traffic-related air pollution increased the risk of white children being re-admitted for asthma, but not African American children.

Division Publications

1. Appleman SS, Kalkwarf HJ, Dwivedi A, Heubi JE. **Bone deficits in parenteral nutrition-dependent infants and children with intestinal failure are attenuated when accounting for slower growth.** *J Pediatr Gastroenterol Nutr.* 2013; 57:124-30.
2. Beck AF, Huang B, Simmons JM, Moncrief T, Sauers HS, Chen C, Ryan PH, Newman NC, Kahn RS. **Role of financial and social hardships in asthma racial disparities.** *Pediatrics.* 2014; 133:431-9.
3. Beck AF, Moncrief T, Huang B, Simmons JM, Sauers H, Chen C, Kahn RS. **Inequalities in neighborhood child asthma admission rates and underlying community characteristics in one US county.** *J Pediatr.* 2013; 163:574-80.
4. Beck AF, Simmons JM, Sauers HS, Sharkey K, Alam M, Jones C, Kahn RS. **Connecting at-risk inpatient asthmatics to a community-based program to reduce home environmental risks: care system redesign using quality improvement methods.** *Hosp Pediatr.* 2013; 3:326-34.
5. Berman S, Cicchino N, Hajinazarian A, Mescher M, Holland S, Horowitz-Kraus T. **An fMRI Study of Dyslexia Biomarker.** *Journal of Young Investigators.* 2014; 26:1-4.
6. Brady PW, Brinkman WB, Simmons JM, Yau C, White CM, Kirkendall ES, Schaffzin JK, Conway PH, Vossmeier MT. **Oral antibiotics at discharge for children with acute osteomyelitis: a rapid cycle improvement project.** *BMJ Qual Saf.* 2014; 23:499-507.
7. Braun JM, Kalkbrenner AE, Just AC, Yolton K, Calafat AM, Sjodin A, Hauser R, Webster GM, Chen A, Lanphear BP. **Gestational exposure to endocrine-disrupting chemicals and reciprocal social, repetitive, and stereotypic behaviors in 4- and 5-year-old children: the HOME study.** *Environ Health Perspect.* 2014; 122:513-20.
8. Brinkman WB, Hartl Majcher J, Poling LM, Shi G, Zender M, Sucharew H, Britto MT, Epstein JN. **Shared decision-making to improve attention-deficit hyperactivity disorder care.** *Patient Educ Couns.* 2013; 93:95-101.
9. Brown CM, Giron-Herrera EL, Sherman SN, Kahn RS, Copeland KA. **Pediatricians may address barriers inadequately when referring low-income preschool-aged children to behavioral health services.** *J Health Care Poor Underserved.* 2014; 25:406-24.
10. Chirdkiatgumchai V, Xiao H, Fredstrom BK, Adams RE, Epstein JN, Shah SS, Brinkman WB, Kahn RS, Froehlich TE. **National trends in psychotropic medication use in young children: 1994-2009.** *Pediatrics.* 2013; 132:615-23.
11. Copeland KA, Benjamin Neelon SE, Howald AE, Wosje KS. **Nutritional quality of meals compared to snacks in child care.** *Child Obes.* 2013; 9:223-32.
12. DeMartini TL, Beck AF, Kahn RS, Klein MD. **Food insecure families: description of access and barriers to food from one pediatric primary care center.** *J Community Health.* 2013; 38:1182-7.
13. Demartini TL, Beck AF, Klein MD, Kahn RS. **Access to digital technology among families coming to urban pediatric primary care clinics.** *Pediatrics.* 2013; 132:e142-8.
14. Denburg MR, Kalkwarf HJ, de Boer IH, Hewison M, Shults J, Zemel BS, Stokes D, Foerster D, Laskin B, Ramirez A, Leonard MB. **Vitamin D bioavailability and catabolism in pediatric chronic kidney disease.** *Pediatr Nephrol.* 2013; 28:1843-53.
15. Edwards NM, Khoury PR, Kalkwarf HJ, Woo JG, Claytor RP, Daniels SR. **Tracking of accelerometer-measured physical activity in early childhood.** *Pediatr Exerc Sci.* 2013; 25:487-501.
16. Fairbrother G, Trudnak T, Christopher R, Mansour M, Mandel K. **Cincinnati Beacon Community Program**

highlights challenges and opportunities on the path to care transformation. *Health Aff (Millwood)*. 2014; 33:871-7.

17. Froehlich TE, Antonini TN, Brinkman WB, Langberg JM, Simon JO, Adams R, Fredstrom B, Narad ME, Kingery KM, Altaye M, Matheson H, Tamm L, Epstein JN. **Mediators of methylphenidate effects on math performance in children with attention-deficit hyperactivity disorder.** *J Dev Behav Pediatr*. 2014; 35:100-7.
18. Geraghty SR, McNamara KA, Dillon CE, Hogan JS, Kwiek JJ, Keim SA. **Buying human milk via the internet: just a click away.** *Breastfeed Med*. 2013; 8:474-8.
19. Goyal NK, Hall ES, Meinen-Derr JK, Kahn RS, Short JA, Van Ginkel JB, Ammerman RT. **Dosage effect of prenatal home visiting on pregnancy outcomes in at-risk, first-time mothers.** *Pediatrics*. 2013; 132 Suppl 2:S118-25.
20. Greiner MV, Berger RP, Thackeray JD, Lindberg DM, Examining Siblings to Recognize Abuse I. **Dedicated retinal examination in children evaluated for physical abuse without radiographically identified traumatic brain injury.** *J Pediatr*. 2013; 163:527-31.
21. Greiner MV, Richards TJ, Care MM, Leach JL. **Prevalence of subdural collections in children with macrocrania.** *AJNR Am J Neuroradiol*. 2013; 34:2373-8.
22. Horowitz-Kraus T, Breznitz Z. **Can reading rate acceleration improve error monitoring and cognitive abilities underlying reading in adolescents with reading difficulties and in typical readers?.** *Brain Res*. 2014; 1544:1-14.
23. Horowitz-Kraus T, Vannest JJ, Holland SK. **Overlapping neural circuitry for narrative comprehension and proficient reading in children and adolescents.** *Neuropsychologia*. 2013; 51:2651-62.
24. Jerardi K, Solan L, Deblasio D, O'Toole J, White C, Yau C, Sucharew H, Klein MD. **Evaluating the impact of interactive and entertaining educational conferences.** *Perspect Med Educ*. 2013; 2:349-55.
25. Jerardi KE, Elkeeb D, Weiser J, Brinkman WB. **Rapid implementation of evidence-based guidelines for imaging after first urinary tract infection.** *Pediatrics*. 2013; 132:e749-55.
26. Kalkwarf HJ, Abrams SA, DiMeglio LA, Koo WW, Specker BL, Weiler H. **Bone densitometry in infants and young children: the 2013 ISCD Pediatric Official Positions.** *J Clin Densitom*. 2014; 17:243-57.
27. Keim SA, Hogan JS, McNamara KA, Gudimetla V, Dillon CE, Kwiek JJ, Geraghty SR. **Microbial contamination of human milk purchased via the Internet.** *Pediatrics*. 2013; 132:e1227-35.
28. Kirkendall ES, Guiot AB. **Torsed pulmonary sequestration presenting with gastrointestinal manifestations.** *Clin Pediatr (Phila)*. 2013; 52:981-4.
29. Klein M, Niebuhr V, D'Alessandro D. **Innovative online faculty development utilizing the power of social media.** *Acad Pediatr*. 2013; 13:564-9.
30. Klein MD, Alcamo AM, Beck AF, O'Toole JK, McLinden D, Henize A, Kahn RS. **Can a video curriculum on the social determinants of health affect residents' practice and families' perceptions of care?.** *Acad Pediatr*. 2014; 14:159-66.
31. Klein MD, Beck AF, Henize AW, Parrish DS, Fink EE, Kahn RS. **Doctors and lawyers collaborating to HeLP children--outcomes from a successful partnership between professions.** *J Health Care Poor Underserved*. 2013; 24:1063-73.
32. Klein MD, Schumacher DJ, Sandel M. **Assessing and managing the social determinants of health: defining an entrustable professional activity to assess residents' ability to meet societal needs.** *Acad Pediatr*. 2014; 14:10-3.
33. Leyva C, Zender M, Staun K, Heeman A, Brinkman WB. **People into Practice: Design of a Medical decision Aid with Repetitive Stakeholders' Input.** *The International Journal of Design in Society*. 2013; 7:51-63.

34. Lipstein EA, Brinkman WB, Sage J, Lannon CM, Morgan Dewitt E. **Understanding treatment decision making in juvenile idiopathic arthritis: a qualitative assessment.** *Pediatr Rheumatol Online J.* 2013; 11:34.
35. Merrow AC, Frischer JS, Lucky AW. **Pyloric atresia with epidermolysis bullosa: fetal MRI diagnosis with postnatal correlation.** *Pediatr Radiol.* 2013; 43:1656-61.
36. Moncrief T, Beck AF, Simmons JM, Huang B, Kahn RS. **Single parent households and increased child asthma morbidity.** *J Asthma.* 2014; 51:260-6.
37. Newman N, Binns HJ, Karwowski M, Lowry J, PEHSU Lead Working Group. **Recommendations on Medical Management of Childhood Lead Exposure and Poisoning.** *AAP Smart Brief.* 2013; .
38. Newman N, Lowry J, Mall J, Berger M. **An ongoing lack of knowledge about lead poisoning.** *Am J Public Health.* 2013; 103:e9-e10.
39. Newman NC, Ryan PH, Huang B, Beck AF, Sauers HS, Kahn RS. **Traffic-related air pollution and asthma hospital readmission in children: a longitudinal cohort study.** *J Pediatr.* 2014; 164:1396-1402 e1.
40. Ragsdale JR, Vaughn LM, Klein M. **Characterizing the adequacy, effectiveness, and barriers related to research mentorship among junior pediatric hospitalists and general pediatricians at a large academic institution.** *Hosp Pediatr.* 2014; 4:93-8.
41. Summer SS, Ollberding NJ, Guy T, Setchell KD, Brown N, Kalkwarf HJ. **Cross-border use of food databases: equivalence of US and Australian databases for macronutrients.** *J Acad Nutr Diet.* 2013; 113:1340-5.
42. Tsampalieros A, Griffin L, Terpstra AM, Kalkwarf HJ, Shults J, Foster BJ, Zemel BS, Foerster DL, Leonard MB. **Changes in DXA and quantitative CT measures of musculoskeletal outcomes following pediatric renal transplantation.** *Am J Transplant.* 2014; 14:124-32.
43. Vaughn LM, Jacquez F, McLinden D. **The use of concept mapping to identify community-driven intervention strategies for physical and mental health.** *Health Promot Pract.* 2013; 14:675-85.
44. White CM, Statile AM, White DL, Elkeeb D, Tucker K, Herzog D, Warrick SD, Warrick DM, Hausfeld J, Schondelmeyer A, Schoettker PJ, Kiessling P, Farrell M, Kotagal U, Ryckman FC. **Using quality improvement to optimise paediatric discharge efficiency.** *BMJ Qual Saf.* 2014; 23:428-36.
45. Wilson PM, Chua M, Care M, Greiner MV, Keeshin B, Bennett B. **Utility of head computed tomography in children with a single extremity fracture.** *J Pediatr.* 2014; 164:1274-9.
46. Wyatt KD, Prutsky Lopez G, Domecq Garces JP, Erwin P, Brinkman WB, Montori VM, LeBlanc A. **Study protocol: a systematic review of pediatric shared decision making.** *Syst Rev.* 2013; 2:48.
47. Yoltan K, Xu Y, Sucharew H, Succop P, Altaye M, Popelar A, Montesano MA, Calafat AM, Khoury JC. **Impact of low-level gestational exposure to organophosphate pesticides on neurobehavior in early infancy: a prospective study.** *Environ Health.* 2013; 12:79.

Faculty, Staff, and Trainees

Faculty Members

Thomas DeWitt, MD, Professor

Leadership Director, Division of General & Community Pediatrics; Associate Chair for Education; Designated Institutional Official; Chair, Graduate Medical Education Committee; President, Medical Staff

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

Raymond Baker, MD, MEd, Professor Emeritus

Andrew F. Beck, MD, MPH, Assistant Professor

Research Interests Social and environmental determinants of health, Health Disparities, Geographic variation in health outcomes, asthma

Paul Bellet, MD, Professor Emeritus

Omer Berger, MD, Professor Emeritus

William Brinkman, MD, MEd, MSc, Associate Professor

Leadership Assoc Program Director, NRSA Primary Care Research Fellowship in Child & Adolescent Health; Methods Expert, Evidence & Measures team in the James M Anderson Center for Health Systems Excellence; Research Director, Cincinnati Pediatrics Research Group (CPRG)

Research Interests Shared decision making, translating evidence into practice

Courtney M Brown, MD, MSc, Instructor

Research Interests Early childhood mental health

Kristen Copeland, MD, Associate Professor

Leadership Director, Gen Pediatric Research Fellowship

Research Interests Obesity prevention in child-care, nutrition and physical activity behaviors and policies, promoting healthy eating and physical activity

Nick DeBlasio, MD, Instructor

Leadership Director, resident continuity clinic at PPC and Hopple Street Health Center

Research Interests Medical student and resident education; primary care of underserved children

Emanuel Doyne, MD, Professor Emeritus

Derek Fletcher, MD, Assistant Professor

Leadership Interim Director, Complex Care Center

Research Interests Children with special health care needs, Medical Home

Sheela Rath Geraghty, MD, MS, IBCLC, Associate Professor

Leadership Medical Director, Center for Breastfeeding Medicine

Research Interests Barriers to successful breastfeeding

Camille Graham, MD, Assistant Professor

Leadership Executive Community Physician Leader; Associate Medical Director, Health Network by Cincinnati Children's; PCMH Learning Collaborative Steering Committee

Research Interests Influenza vaccination; health care disparities; asthma; patient-centered medical homes; community-based participatory research

David E Hall, MD, Professor

Leadership Director, Complex Care Center; Director, Diagnostic Clinic

Research Interests Epidemiology of medically complex chronic disease and the impact of the medical home.

Rob Harper, EdD, Assistant Professor

Leadership Associate Director of the Online Master's Degree and Certificate Program

Research Interests Leadership in Online Medical Education and Professional Development

Tzipi Horowitz-Kraus, PhD, Assistant Professor

Leadership Program Director, RLDC

Research Interests Reading difficulties

Robert Ingberg, MD, Professor Emeritus

Robert Kahn, MD, MPH, Professor

Leadership Director, Section of Research; Associate Director, Division of General & Community Pediatrics; Faculty Lead, Population/Community Health Initiative, Anderson Center

Research Interests Child health disparities, population health, asthma, community based interventions

Heidi Kalkwarf, PhD, Professor

Leadership Scientific Director, Bionutrition and Body Composition Core laboratory, Clinical Translational Research Center

Research Interests Bone density, body composition, growth, physical activity, dietary intake, fracture

Melissa Klein, MD, MEd, Associate Professor

Leadership Director, Section of Education; Associate Director, Pediatric Residency Program; Director, General Pediatric Master Education Fellowship

Research Interests Medical education; health disparities

Colleen Kraft, MD, Associate Professor

Leadership Medical Director, Health Network by Cincinnati Children's

Research Interests Health care financing, underserved children, children with special healthcare needs

Kadriye Lewis, EdD, Associate Professor

Leadership Associate Director, Masters in Medical Education

Research Interests Web-based learning, technology in education and medical education

Mona E Mansour, MD, MS, Associate Professor

Leadership Director, Section of Primary Care and School Health

Research Interests School health, asthma, underserved populations, quality improvement, health care system redesign

Christine McHenry, MD, MATS, Professor Emerita

Daniel McLinden, EdD, Associate Professor

Leadership Senior Director, Learning and Development

Research Interests Learning systems, program evaluation, outcomes measurement

John Morehous, MD, Assistant Professor

Leadership Medical Director, Fairfield Primary Care; Outpatient Co-Leader, Patient-Family Experience Team

Research Interests Healthcare system design and improvement

Nicholas Newman, DO, MS, Assistant Professor

Leadership Medical Director, Environmental Health and Lead Clinic

Research Interests Improve child health through understanding the environmental determinants of disease and to develop interventions to mitigate or prevent illness due to environmental factors.

Christopher Peltier, MD, Adjunct

Leadership Director, Section of Community Pediatrics

Research Interests Medical student and resident education; community pediatrics

Judith Ragsdale, MDiv, PhD, Assistant Professor

Leadership Director of Research & Education, Pastoral Care

Research Interests Research in clinical pastoral supervision; use of religion/spirituality in decision making/coping

Sarah Riddle, MD, IBCLC, Assistant Professor

Leadership Physician Leader of the Specialty Clinics in General Pediatrics

Research Interests Hospital Medicine and Breastfeeding Medicine

Zeina Samaan, MD, Adjunct

Leadership Medical Director, Pediatric Primary Care Center

Research Interests Quality Improvement

Rosemary Schmidt, MD, Professor Emerita

Gregory Szumlas, MD, Assistant Professor

Leadership Medical Director, Reach Out and Read

Research Interests Quality improvement, asthma, health literacy, early literacy

Denise Warrick, MD, Instructor

Leadership Co-Director, Resident Advocacy Course at Cincinnati Children's

Research Interests Education, Advocacy, Quality Improvements

Stephen Warrick, MD, Instructor

Leadership Team Leader for PPC III Care Improvement Project

Research Interests Global health education, preventative health, ill care access & delivery, resident education in General Pediatrics

Kimberly Yolton, PhD, Associate Professor

Research Interests Infant and child neurobehavior, including development and behavior; prenatal and postnatal exposures to environmental toxicants, prematurity

Joint Appointment Faculty Members

Michael Benedict, MD, Assistant Professor (Internal Medicine)

Christine Burrows, MD, Assistant Professor (Internal Medicine)

Tiffany Diers, MD, Assistant Professor (Internal Medicine)

Hilary Flint, DO, Assistant Professor (Anesthesia)

Mary Greiner, MD, Assistant Professor (Safe and Healthy Children)

Research Interests Head trauma; Outcomes of children in foster care

Ellen Lipstein, MD, MPH, Assistant Professor (Adolescent & Transition Medicine)

Research Interests Parents and patients in medication decision making; health services research

Caroline Mueller, MD, Professor (Internal Medicine)

Kieren Phelan, MD, MS, Associate Professor (Anderson Center)

Stephen Wilson, MD, Assistant Professor (Internal Medicine)

Clinical Staff Members

- **Jeanne Beischel, MD**
- **Mary Carol Burkhardt, MD**,
Medical Director, Hopple Street Primary Care
- **Scott Callahan, MD**,
Medical Director, Children's Health Care
- **Kristen DeMarco, MD**
- **Tori DeMarco, MD**
- **Aimee Deiwert, MD**
- **Anne Marie Fitz, MD**
- **Maureen Gallagher, MD**
- **Jennifer Hardie, MD**
- **Gretchen Hartz, MD**
- **Megan Hennigan, MD**
- **Elisabeth Kelley, MD**
- **Katie Kerrey, MD**
- **Jill Klein, MD**
- **Brandi Lewis, MD**
- **Carrie McIntyre, MD**
- **Jenny Motley, MD**
- **Mary Beth Pero, MD**
- **Sheldon Polonsky, MD**
- **Andrew Poltrack, MD**
- **Sarah Revis, MD**
- **Robert Schaengold, MD**,
Medical Leader, Hopple Street Health Center
- **Ellen Springer, MD**
- **Tracy Tiller, MD**

Trainees

- **Sarah Beal, PhD**, PGY 2, University of Nebraska-Lincoln
- **Stephanie Donauer, PhD**, PGY 0, University of Cincinnati
- **Annie Garner, PhD**, PGY 1, University of Alabama at Birmingham
- **John Hutton, MD**, PGY 4, University of Cincinnati
- **Lauren Solon, MD**, PGY 6, SUNY at Buffalo
- **Joanne Thomson, MD**, PGY 5, St Louis University

Division Collaboration

Develop and evaluate fellowship online curriculum. (Thomas DeWitt, MD)

Education and Learning Department » Nancy Burse, EdD

Develop international medical education exchange experience. (Thomas DeWitt, MD)

Global Health Center » Adekunle Dawodu, MBBS, FRCPCH and Michelle Kohn

Geographic variation in lower respiratory tract infection (Andrew Beck, MD MPH)

Hospital Medicine » Samir Shah, MD MSCE

Emergency Medicine » Todd Florin, MD MSCE

Greater Cincinnati Asthma Risks Study (Andrew Beck, MD MPH; Nicholas Newman, DO MS; Robert Kahn, MD MPH)

Allergy and Immunology » Michelle Lierl, MD

Biostatistics and Epidemiology » Bin Huang, PhD and Patrick Ryan, PhD

Hospital Medicine » Jeffrey Simmons, MD, MS and Kathy Auger, MD, MS

Pulmonary Medicine » Carolyn Kerckmar, MD

Improving hospital to home transitions (Andrew Beck, MD MPH)

Hospital Medicine » Samir Shah, MD MSCE, Jeffrey Simmons, MD MS, Kathy Auger, MD MS, Angela Statile, MD MEd, and Christine White, MD MAT

Identifying geographic predictors of asthma outcomes (Andrew Beck, MD MPH; Robert Kahn, MD MPH)

Biostatistics and Epidemiology » Bin Huang, PhD and Patrick Ryan, PhD

Hospital Medicine » Jeffrey Simmons, MD, MS and Kathy Auger, MD, MS

Developing New Technologies to Improve ADHD Medication Continuity (William Brinkman, MD, MEd, MSc)

Behavioral Medicine and Clinical Psychology » Jeff Epstein, PhD and Dennis Drotar, PhD

Biostatistics and Epidemiology » Heidi Sucharew, PhD

Shared decision making to improve care and outcomes for children with autism (William Brinkman, MD, MEd, MSc)

Developmental and Behavioral Pediatrics » Julia Anixt, MD and Patty Manning, MD

Developmental and Behavioral Pediatrics » Jareen Meinzen-Derr, PhD

Testing and Spread of Shared Decision Making Tools across Learning Networks (William Brinkman, MD, MEd, MSc)

Adolescent and Transition Medicine » Ellen Lipstein, MD, MPH

Rheumatology » Esi Morgan DeWitt, MD, MSCE

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

Partnering with Parents to Support Decision-Making About Hydroxyurea in Pediatric Sickle Cell Disease (William Brinkman, MD, MEd, MSc)

Behavioral Medicine and Clinical Psychology » Lori Crosby, PsyD

Hematology » Russell Ware, MD, PhD

James M. Anderson Center for Health Systems Excellence » Katie Walsh, MD, MSc

Cincinnati Pediatric Research Group a practice-based research network (William Brinkman, MD, MEd, MSc; Camille Graham MD)

Behavioral Medicine & Clinical Psychology » Monica Mitchell, PhD

Clinical Transitional Research Center » James Heubi, MD

Reduced Variability in the Management of Community-Acquired Pneumonia (William Brinkman, MD, MEd, MSc; Camille Graham MD)

Hospital Medicine » Lilliam Ambroggio, PhD and Samir Shah, MD

Primary Care Redesign (Mona Mansour, MD, MSc; Robert Kahn, MD, MPH; Zeina Samaan, MD; John Morehous, MD; Courtney M. Brown, MD, MSc)

James M. Anderson Center for Health Systems Excellence » Peter Margolis, MD, PhD, Jennifer Lail, MD, and Srikant Iyer, MD

Emergency Medicine » Joe Luria, MD and Rima Ruysnak, MD

HNCC » Terry Lindquist, MBA

Information Services/EPIC » Aimee Lemond, BS and Josh Conkle, BBA

Patient Services » Pattie Messmer, MSN, RN, Amy Haering, RN, DNP, CPN, BC-NE, Jen De Klerk, MSN, RN, and Amy Kolbinsky, BSN, RN

Narrowing Care Gaps for Early Language Delay (Courtney M. Brown, MD, MSc; Andrew Beck, MD, MPH; Zeina Samaan, MD; Mona Mansour, MD, MSc; Robert Kahn, MD, MPH)

Speech-Language Pathology » Elizabeth Alexander, MS, CCC-SLP

Audiology » Wendy Steuerwald, AuD, MS, CCC-A

Start Strong partnership to reduce prematurity and non-urgent emergency department use (Robert Kahn, MD, MPH; Courtney Brown, MD, MSc)

Section of Neonatology, Perinatal and Pulmonary Biology » Neera Goyal, MD, MSc and James Greenberg, MD

Every Child Succeeds » Judy VanGinkel, PhD

Improving Communication between Hospitalists and Primary Care Pediatricians at patient discharge (Nick DeBlasio, MD)

Hospital Medicine » Jeff Simmons, MD, MS and Lauren Solan, MD

Strategies for developing an Educational Added Value Unit (EAVU) program for inpatient and outpatient teaching of medical students and residents. (Nick DeBlasio, MD)

Hospital Medicine » Craig Gosdin, MD, Eric Kirkendall MD,, Amy Guiot, MD, Jennifer O'Toole, MD, and Katie Meier, MD

Yellow Team Inpatient Services (Derek Fletcher, MD)

Hospital Medicine » Jeffrey Simmons, MD, MSc and Christine White, MD, MAT

Creation of a community research team (*Latinos Unidos por la Salud*) that performed data collection in the Latino community of Hamilton County (Camille Graham, MD)

Emergency Medicine » Lisa Vaughn, PhD

University of Cincinnati » Farrah Jacquez, PhD

Assessing barriers and beliefs about influenza vaccine in vulnerable populations. (Camille Graham, MD)

Behavioral Medicine and Clinical Psychology » Monica Mitchell, PhD

Improving care coordination between the subspecialist and the primary care physician. (Camille Graham, MD)

Gastroenterology » Shehzad Saeed, MD and Mitchell Cohen, MD

James M. Anderson Center for Health Systems Excellence » Jennifer Lail, MD

Developing standards and Epic tools to improve the communication between the hospital consultant and the primary care physician (Camille Graham, MD, Denise Warrick, MD)

Critical Care Medicine » Erica Stalets, MD, MS

Hospital Medicine » Michael Vossmeier, MD

Otolaryngology » J. Paul Willging, MD

Pediatric General and Thoracic Surgery » Daniel vonAllmen, MD

Trauma » Richard Falcone, MD, MPH

Emergency Medicine » Joe Luria, MD

Neurology » Andrew Hershey, MD, PhD

Chief of Staff » Michael Farrell, MD

Chief Medical Information Officer » Andrew Spooner, MD, MS

Focus groups to determine access for pediatric services following the closure of a FQHC in Norwood. (Camille Graham, MD)

Behavioral Medicine and Clinical Psychology » Monica Mitchell, PhD

Emergency Medicine » Lisa Vaughn, PhD

Asthma learning collaboratives for safety-net providers in Hamilton County (Camille Graham, MD; Robert Kahn, MD, MPH; Greg Szumlas, MD)

The Asthma Center » Carolyn Kercksmar, MD and Theresa Guilbert, MD

Improving adherence to guidelines for community acquired pneumonia in the outpatient setting (Camille Graham, MD; William Brinkman, MD, MSc)

Hospital Medicine » Samir Shah, MD, MSCE

Improving the handoff from the newborn nursery to the primary care physician (Camille Graham, MD)

Section of Neonatology, Perinatal and Pulmonary Biology » James Greenberg, MD and Scott Wexelblatt, MD

Use of an Asthma Fair in the primary care setting to improve outcomes for African-American children with persistent asthma (Camille Graham, MD)

The Asthma Center » Carolyn Kercksmar, MD and Theresa Guilbert, MD

Behavioral Medicine and Clinical Psychology » Monica Mitchell, PhD

Transition of children from former NHC clinics to other sites of care (Camille Graham, MD; Mona Mansour, MD, MS)

Emergency Medicine » Joe Luria, MD

Hospital Medicine » Jeffrey Simmons, MD, MS

Patient-centered medical home learning collaborative (Camille Graham, MD; Mona Mansour, MD, MS; Tom DeWitt, MD)

James M. Anderson Center for Health Systems Excellence » Srikant Iyer, MD and Jennifer Lail, MD

Communicating to the medical staff the role of IgE panels in the diagnosis of food allergies (Camille Graham, MD)

Allergy and Immunology » Michelle Lierl, MD and Amal Assa'ad, MD

Gastroenterology, Hepatology and Nutrition » Philip Putnam, MD and Vincent Mukkada, MD

Developed a microarray genetics testing policy for the Health Network by Cincinnati Children's (Camille Graham, MD)

Human Genetics » Derek Neilson, MD

Psychiatry » Craig Erickson, MD

Developmental and Behavioral Pediatrics » Jennifer Ehrhardt, MD, MPH

Ethics Center » Armand Antommara, MD, PhD

Neurology » Andrew Hershey, MD, PhD

Metformin to Augment Low Milk Supply (MALMS) Study (Sheela Geraghty, MD, MS, IBCLC, Sarah Riddle, MD, Ellen Springer, MD)

Perinatal Institute » Laurie Nommsen-Rivers, Ph, Laura Ward, MD, IBCLC, and Erin Wagner

Neuroimaging in dyslexia (Tzipi Horowitz-Kraus, PhD)

Pediatric Neuroimaging Research Consortium » Scott Holland, PhD and Jennifer Vannest, PhD

Reading difficulties in Epilepsy patients (Tzipi Horowitz-Kraus, PhD)

Neurology, Radiology » Jim Leach, PhD, Dror Kraus, MD PhD, and Hand Grainger, MD

Development of reading screener in dyslexics (Tzipi Horowitz-Kraus, PhD)

Psychiatry » Richard Gilman, PhD

Health Network by Cincinnati Children's Operations Committee which is an organizing framework of Medical Management, Community Relations, Data and Quality, and Finances. (Colleen Kraft, MD; Camille Graham, MD)

James M. Anderson Center for Health Systems Excellence » Srikant Iyer, MD

Medical Staff Services » Melodie Blacklidge, MD

Cradle Cincinnati: Coalition to prevent prematurity and infant mortality (Rob Kahn, MD, MPH; Colleen Kraft, MD; Mona Mansour, MD, MS)

Section of Neonatology, Perinatal and Pulmonary Biology » Jim Greenberg, MD, Amy Nathan, MD, and Elizabeth Kely

Every Child Succeeds » Judith VanGinkel, PhD

Center for the Prevention of Toxic Stress (Rob Kahn, MD, MPH; Colleen Kraft, MD)

Mayerson Center » Bob Shapiro, MD

AAP Visiting Professor Lecture in Tobacco Control: grant funded opportunity to bring a nationally known lecturer in tobacco control to Cincinnati (Colleen Kraft, MD)

Emergency Medicine » Melinda Mahabee-Gittens, MD

CCO Asthma Work (Mona Mansour, MD, MSc; Lisa Crosby, APN)

Pulmonary Medicine » Carolyn Kercsmar, MD, Sandy Durrani, MD, Karen McDowell, MD, and Theresa Guilbert, MD

James M. Anderson Center for Health Systems Excellence » Jennifer Lail, MD, Marshall Ashby, and Carla Willaims

EPIC/Information Services » Aimee Lemond, Deb Young, Diane Herzog, and Josh Conkle

Patient Services » Patricia Messmer, MSN, RN and Elizabeth Mathison, MSW

HNCC Registry Project (Mona Mansour, MD, MSc; Zeina Samaan, MD; John Morehous, MD; Mary Burkhardt, MD; Courtney Brown, MD)

James M. Anderson Center for Health Systems Excellence » Srikant Iyer, MD, Jennifer Lail, MD, and Peter Margolis, MD, PhD

Patient Services » Patricia Messmer, MSN, RN and Amy Haering,

Care Management Model Implementation (Mona Mansour, MD, MSc)

James M. Anderson Center for Health Systems Excellence » Srikant Iyer, MD

Primary Care Behavioral Health Integration Project at FPC (Mona Mansour, MD, MSc, John Morehous, MD)

Psychiatry » Emily Harris, MD

Social Services » Amy McKenna, MSW

HNCC » Amy Baldrige, RN, BSN, CCM, MBA and Jaculin Zurlinden, LSW

St. Joseph's » Susan Ballard, MSW, LISW-S

Primary Care Integration Project PPC(Mona Mansour, MD, MSc)

Psychiatry » Emily Harris, MD and Michael Sorter, MD

Psychology » Lori Stark, MD and Jessica McClure

Screening for Family Risk of Childhood Trauma in Primary Care (Scott Callahan, MD, Mona Mansour, MD, MSc)

Mayerson Center for Safe and Healthy Children » Robert Shapiro, MD and Marilyn Crumpton, MD

Understanding racial disparities in asthma morbidity (Robert Kahn, MD MPH, Andrew Beck MD, MPH, Nicholas Newman, DO MS)

Biostatistics and Epidemiology » Patrick Ryan, PhD and Bin Huang, PhD

Behavioral Medicine and Clinical Psychology » Dennis Drotar, PhD and Laurie Johnson, MD

Pulmonary Medicine » Carolyn Kercsmar, MD, Theresa Guilbert, MD, and Karen McDowell, MD

Hospital Medicine » Kathy Auger, MD, MS

Transforming Maternal and Infant Health (Robert Kahn, MD MPH)

James M. Anderson Center for Health Systems Excellence » Uma Kotagal, MBBS, MSc

Section of Neonatology, Perinatal and Pulmonary Biology » James Greenberg, MD

Every Child Succeeds » Judy VanGinkel, PhD

General Pediatric Master Educator - Fellowship to train educational scholars and researchers (Melissa Klein, MD, MEd)

Hospital Medicine » Jennifer O'Toole, MD, MEd

Learning & Development » Daniel McLinden, PhD

Resident Advocacy Course -designed to expose all pediatric residents to a variety of Advocacy experiences
(Melissa Klein, MD, MEd)

Emergency Medicine » Mike Gittleman, MD and Lisa Vaughn, PhD

Medical Education Scholarship Team (MEST) – building a collaborative team of educators to foster the development of medical education research (Melissa Klein, MD, MEd)

Hospital Medicine » Jennifer O'Toole, MD, MEd

Office of Faculty Development » Jessica Kahn, MD, MPH and Jamilah Hackworth, EdD

Pastoral Care » Judy Ragsdale, PhD

Learning and Development » Daniel McLinden, EdD

Resident as Teacher Curriculum – a new curriculum to train pediatric interns basic principles of adult education
(Melissa Klein, MD, MEd)

Hospital Medicine » Karen Jerardi, MD, MEd and Ndidi Unaka, MD

Bone Mineral Density in Childhood study (Heidi Kalkwarf, PhD, Kimberly Yolton, PhD)

Gastroenterology, Hepatology and Nutrition » James Heubi, MD

Biostatistics and Epidemiology » Richard Ittenbach, MD

Children's Hospital of Philadelphia » Babette Zemel, PhD

Univ CA, San Francisco » John Shepherd, PhD

Breast Cancer and the Environment study (Heidi Kalkwarf, PhD)

Adolescent and Transition Medicine » Frank Biro, MD

Epidemiology of Body Mass Rebound (Heidi Kalkwarf, PhD)

Biostatistics and Epidemiology » Jessica Woo, PHD

Sports Medicine » Nicholas Edwards, MD, MPH

Variation in nutrient intake among children and adolescents (Heidi Kalkwarf, PhD)

Biostatistics and Epidemiology » Jessica Woo, PhD and Nicholas Ollberding, PhD

University of Cincinnati » Sarah Couch, PhD

Physical activity in child care (Heidi Kalkwarf, PhD, Kristen Copeland, MD)

Biostatistics and Epidemiology » Jane Khoury, PhD

CCO Asthma Work (Mona Mansour, MD, MSc; Lisa Crosby, APRN)

Pulmonary Medicine » Carolyn Kercsmar, MD, Sheharyar (Sandy) Durrani, MD, Karen McDowell, MD, and Theresa Guilbert, MD

James M. Anderson Center for Health Systems Excellence » Jennifer Lail, MD and Marshall Ashby, BSIE, MHSM, MBA

Patient Services Research » Aimee Lemond, BS, Deb Young, MSN, Diane Herzog, MSN, MBA, RN, and Josh Conkle, BBA

EPIC/Information Services » Carala Willaims, MSA

HNCC Registry Project (Mona Mansour, MD, MSc; Zeina Samaan, MD; John Morehous, MD; Mary Burkhardt, MD; Courtney Brown, MD)

James M. Anderson Center for Health Systems Excellence » Srikant Iyer, MD, Marshall Ashby, BSIE, MHSM, MBA, and Kate Rich, BS

Patient Services » Pattie Messmer, MSN, RN and Amy Haering, RN, DNP, CPN, BC-NE

Information Services/EPIC » Aimee Lemond, BS, Josh Conkle, BBA, and Melissa O'Brien, BS, MHSA

Care Management Model Implementation (Mona Mansour, MD, MSc)

Patient Services Research » Pattie Messmer, MSN, RN, Julie Stark, MSN, RN, Dee Mosko, MSN, RN, Elizabeth Mathison, MSW, LISW-S, Laura Monhollen, MSW, LISW-S, and Barb Tofani, MSN, RN

James M. Anderson Center for Health Systems Excellence » Srikant Iyer, MD, Marshall Ashby, BSIE, MHSM, MBA, and Terri Martin, RN, BSN, MBA, CENP, PCMH CCE

HNCC » Terri Martin, RN, BSN, MBA, CENP, PCMH and Anne Diedrich, RN, BSN

Asthma Community Population Health Work (Mona Mansour, MD, MSc, Andrew (Andy) Beck, MD; William (Bill) Brinkman, MD; Lisa Crosby, APRN; Thomas (Tom) Dewitt, MD; Camille Graham, MD; Robert (Rob) Kahn, MD; Gregory (Greg) Szumlas, MD)

Asthma Center » Carolyn Kerckmar, MD, Theresa Guilbert, MD, and Karen McDowell, MD

James M. Anderson Center for Health Systems Excellence » Monica Johnson Mitchell, MD, Marshall Ashby, BSIE, MHSM, MBA, Gowri Madhavan, BS, MPH, and Harry Atherton, BSEE, MS

Emergency Department » Laurie Johnson, MD and Patricia Chambers, MD

Allergy and Immunology » Sandi Durani, MD

Home Health » Susan Wade Murphy, BSN, MSN

Hospital Medicine » Jeffrey Simmons, MD, MS

Clinical Pharmacology » Dave Mayhaus, BS, MS, PharmD

MCO » Marilyn Crumpton, MD, Keith Mandel, MD, and Camille Graham, MD

Patient Services Research » Karen Tucker, MSN, RN

Design and implementation of a learning system to curate knowledge resources regarding treatment and management of pediatric inflammatory bowel disease. (Daniel McLinden, MEd)

James M. Anderson Center for Health Systems Excellence » Peter Margolis, MD, PhD and Michael Seid, PhD

Development of the evaluation portion of a multi-site grant proposal to study the implementation of training for an Asthma bundle. (Daniel McLinden, MEd)

Hospital Medicine » Smair Shan, MD, MSCE and Jeffrey Simmons, MD, MS

Several studies and authored articles pertaining to concept mapping applied in a participatory research framework. (Daniel McLinden, MEd)

Emergency Medicine » Lisa Vaughn, PhD

Research proposal to study the efficacy of simulation education. (Daniel McLinden, MEd)

Emergency Medicine » Gary Geis, MD

On-going consulting and discussion of Rasch analysis. (Daniel McLinden, MEd)

Biomedical Informatics » Richard Ittenbach, PhD

PPC Waiting Room Redesign- LiveWell Collaborative (John Morehous, MD, Rob Kahn, MD, Adrienne Henize, JD)

Center for Clinical and Translational Science and Training » James Heubi, MD

Design-Construction-Space Management » Julia Schenk

Patient Services Research » Amy Haering, RN, DNP, CPN, BC-NE and Lisa Crosby, DNP, APRN, CNP

Outpatient Patient-Family Experience improvement (John Morehous, MD)

James M. Anderson Center for Health Systems Excellence » Linda Nourse, Anne Boat, MD, Kathy Kramer, RN, Julie Elkus, MBA, and Jason Phibbs, BSW

Patient Services Research » Kandice Ferdon, RN

Cincinnati Childhood Allergy and Air Pollution Study (CCAAPS) (Nicholas Newman, DO, MS; Kimberly Yolton, PhD)

Biostatistics and Epidemiology » Patrick Ryan (PI), PhD MS and Jane Khoury, PhD

Asthma Research » Jocelyn Biagini-Myers, PhD and Gurjit Khurana-Hershey, MD, PhD

UC Allergy & Immunology » David Bernstein, MD

UC Environmental Health » Grace LeMasters, PhD

Radiology Imaging Research Center » Kim Cecil, PhD

Interventions for Children with Attention and Reading Disorders study (I-CARD)(Nicholas Newman, DO MS)

Behavioral Medicine and Clinical Psychology » Jeffrey Epstein, PhD

Center for ADHD » Leanne Tamm, PhD

An Update on the Diagnosis and Management of Acute Otitis Media: 2013 AAP Evidence Based Clinical Practice Guideline: Community Centered Pediatric Grand Rounds

(Chris Peltier, MD)

Infectious Disease » Rebecca Brady, MD

Otolaryngology » J. Paul Willging, MD

Cardiology » Robert Siegel, MD

Talkin' Bout My Generation: How to Maximize Engagement of Millennial Learners by Incorporating Innovative Educational Technologies (Chris Peltier, MD, Melissa Klein, MD, MEd)

Hospital Medicine » Karen Jerardi, MD, MEd and Jennifer O'Toole, MD, MEd

Emergency Medicine » Brad Sobolewski, MD, MEd

Identifying Religious and/or Spiritual Perspectives of Adolescents and Young Adults Receiving Blood and Marrow Transplants: A Prospective Qualitative Study (Judy Ragsdale, MDiv, PhD)

Pastoral Care » Mary Ann Hegner, MD

Bone Marrow Transplantation & Immune Deficiency » Mark Mueller, RN and Stella Davies, MBBS, PhD, MRCP

Metformin to augment low milk supply (Sarah Riddle, MD, IBCLC)

Perinatal Institute » Laurie Nommsen-Rivers, RD, PhD, IBCLC, Laura Ward, MD, IBCLC, and Erin Wagner

“Reading Rocks” - Collaboration with Child Life and the Ryan Seacrest Studio to produce reading videos for the CHMC local television network (Greg Szumlas, MD)

Child Life - Ryan Seacrest Studio » Connie Stitt, Jenna Zayatz, and Lauren Koehler

Reach Out and Read – Cleft Palate Clinic. Bringing a literacy promotion model to cleft palate clinic. (Greg Szumlas, MD)

Human Genetics » Judy Belli, RN and Tricia Bender, CNP

Advocacy Committee (Denise Warrick, MD, Melissa Klein, MD, MEd)

Emergency Medicine » Mike Gittleman, MD and Chuck Schubert, MD

Hospital Medicine » Ndidi Unaka, MD

Improving inpatient to outpatient communication (Denise Warrick, MD)

Hospital Medicine » Andy Spooner, MD

Chief of Staff » Michael Farrell, MD

Critical Care Medicine » Erika Stalets, MD

General and Community Pediatrics » Camille Graham, MD

Ill Care Access: Development and Implementation of Walk-in clinic for ill visits. (Stephen Warrick, MD; John Morehous, MD; Mona Mansour, MD; Zeina Samaan, MD)

Emergency Medicine » Joe Luria, MD, Srikant Iyer, MD, and Rima Rusnak, MD

Resident Global Health Simulation Project. (Stephen Warrick, MD)

Emergency Medicine » Chuck Schubert, MD

Hospital Medicine » Brian Volck, MD

Ongoing collaboration with HOME Study data analysis (Kimberly Yolton, PhD)

Biostatistics and Epidemiology » Mekibib Altaye, PhD, Katherine Bowers, PhD, Shelley Ehrlich, PhD, Monir Hossain, PhD, Jane Khoury, PhD, and Heidi Sucharew, PhD

HOME Study data shared for analyses (Kimberly Yolton, PhD)

Developments and Behavior Pediatrics » Holly Barnard, PhD, Jennifer Ehrhardt, MD, and Tanya Froehlich, MD

Cincinnati Childhood Allergy and Air Pollution Study (Kimberly Yolton, PhD)

Biostatistics and Epidemiology » Jane Khoury, PhD and Patrick Ryan, PhD

Neonatal Research Network Cincinnati Site – PI of Follow-Up Studies (Kimberly Yolton, PhD)

Neonatology » Tanya Cahill, MD, Stephanie Merhar, MD, Kurt Schibler, MD, and Kathy Wedig, MD

Submitted R21 and MOD grant applications with focus on developmental impact of the microbiome (Kimberly Yolton, PhD)

Neonatology » Stephanie Merhar, MD and Ardythe Morrow, PhD

MDB Training Program – member of training faculty (Kimberly Yolton, PhD)

Molecular and Developmental Biology » Tim LeCras, PhD and Charles Vorhees, PhD

Career Development Committee membership (Kimberly Yolton, PhD)

Biostatistics and Epidemiology » Charels Vorhees, PhD and Michael Williams, PhD

Consultation regarding neurodevelopmental assessment (Kimberly Yolton, PhD)

Molecular and Developmental Biology » Charels Vorhees, PhD and Michael Williams, PhD

Place Outcomes Award grant application, ongoing consultation regarding establishment of developmental follow-up program (Kimberly Yolton, PhD)

Fetal Surgery Center » Foong-Yen Lim, MD

R01 Grant Submission – HOME Study imaging and internalizing symptoms (Kimberly Yolton, PhD)

Radiology Imaging Research Center » Kim Cecil, PhD

Grants, Contracts, and Industry Agreements

Grant and Contract Awards	Annual Direct	
BRINKMAN, W		
Developing New Technologies to Improve ADHD Medication Continuity		
National Institutes of Health		
R34 MH 101155	04/01/14-03/31/17	\$175,000
Medication Continuity in Children Treated for ADHD		
National Institutes of Health		
K23 MH 083027	01/01/10-11/30/14	\$161,418
COIN-Collaborative Ohio Inquiry Network		
National Institutes of Health(University of Cincinnati)		
P30 HS 021648	09/01/13-08/31/14	\$3,180
COPELAND, K		
NRSA Research Fellowship Training		
Health Resources & Services Administration		
T32 HP 10027	07/01/11-06/30/16	\$364,072
DEWITT, T		
Cincinnati Center for Clinical and Translational Sciences and Training - Research Education		
National Institutes of Health(University of Cincinnati)		
UL1 TR 000077	04/03/09-03/31/15	\$51,189
GREINER, M		
Safety Equipment for Foster Care		
The Carol Ann and Ralph V Haile, Jr / US Bank Foundation		
	08/01/13-05/31/14	\$5,000

HUTTON, J**A Randomized Controlled Trial Comparing a Children's Book to Brochures for Safe Sleep Education in an At-Risk Population Enrolled in a Home Visitation Program**

The de Cavel Family SIDS Foundation

03/01/14-02/28/15

\$10,000

A Neuroimaging-Based Pilot Study Comparing Brain Regions Involved with Receptive Language in Reach Out and Read Graduates and Unexposed Children

Academic Pediatric Association

03/01/14-02/28/15

\$15,000

KALKWARF, H**Bone Mineral Accretion in Young Children**

National Institutes of Health

R01 HD 076321

09/30/13-07/31/18

\$792,021

KLEIN, M**Faculty Development in Primary Care**

Health Resources & Services Administration

D55 HP 23195

09/30/11-09/29/16

\$166,289

Use of Resident as Teacher Bundle to Improve Teaching Competency

Academic Pediatric Association

07/01/13-06/30/14

\$5,000

Expansion of a Pediatric Care Resident Training Program

Health Resources & Services Administration

T89 HP 20766

09/30/10-09/29/15

\$442,815

LUCKY, A**Epidermolysis Bullosa Clinical Research Consortium**

Jackson Gabriel Silver Foundation

07/01/13-06/30/14

\$25,000

NEWMAN, N**Community Outreach and Engagement Core**

National Institutes of Health(University of Cincinnati)

P30 ES 006096

04/01/13-03/31/18

\$5,242

Health Program for Toxic Substances and Disease Registry

Environmental Protection Agency(University of Illinois - Chicago)

U61 TS 000118

10/01/13-09/30/14

\$26,876

Multiple Risk Factors and Neurodevelopment Deficits in Rural Appalachian Children

National Institutes of Health(University of Cincinnati)

R21 ES 021106

07/09/12-06/30/14

\$5,483

Pediatric Asthma Faculty Champion Initiative

National Environmental Education Foundation

09/01/13-08/31/14

\$5,000

REAL, F**An Educational Curriculum on the Significance of Neighborhood for Child Health: Will It Change Resident Anticipatory Guidance**

Academic Pediatric Association

04/01/14-03/31/15

\$4,890

YOLTON, K**Longitudinal Study of Exposure to PBDEs and PFCs and Child Neurobehavior**

National Institutes of Health(University of Cincinnati)

R01 ES 020349

10/01/11-04/30/16

\$75,381

Prenatal Sex Steroids, Bisphenol A, Phthalates, and Sexually Dimorphic Behaviors

National Institutes of Health(Brown University)

R00 ES 020346

02/14/13-01/31/16

\$10,364

Current Year Direct \$2,349,220

Industry Contracts

LUCKY, A

Fibrocell Science, Inc.

\$7,854

Current Year Direct Receipts \$7,854

Total \$2,357,074