

Division Details

Division Data Summary

Research and Training Details

Number of Faculty	27
Number of Joint Appointment Faculty	8
Number of Support Personnel	25
Direct Annual Grant Support	\$2,198,974
Peer Reviewed Publications	41

Clinical Activities and Training

Number of Clinical Staff	89
Number of Clinical Fellows	2
Number of Other Students	4
Inpatient Encounters	1,727
Outpatient Encounters	83,219

Division Photo



Row 1: D Hall, R Kahn, C Graham, T DeWitt, M Mansour, M Klein
Row 2: E Springer, K Kerrey, L Crosby, M Henigan, J Klein, K Lewis, M Kane, G Hartz
Row 3: J Beischel, K Yolton, C Brown, A Deiwert, MB Pero, H Kalkwarf, K Copeland, C McIntyre, J Hardy
Row 4: J Cross, B Lewis, S Riddle, D Fletcher, B Schanegold, A Beck, J Morehous, T Tiller
Row 5: L Kelley, G Szumlas, T Wendling, N Newman, D McLinden, S Warrick, N DeBlasio, KJ Phelan, A Poltrack, S Callahan

Significant Accomplishments

Innovation and Research in Physician Education

Melissa Klein, MD, is principal investigator for two new training grants, totaling \$2.8 million, which are expanding our academic focus on physician education. The General Pediatric Master Educator Fellowship is a unique fellowship in medical education funded by a HRSA Faculty Development in Primary Care award. The goal is to train highly qualified academic medical educators to understand and apply the core competencies of adult learning theory. Fellows will complete a Master's degree in Education, obtaining the skills to develop, implement, and rigorously evaluate innovative medical education curricula. A second HRSA grant expands the Primary Care Track of our residency program by 30 percent. This program allows pediatric residents to individualize their educational plan in preparation for a future career in primary care emphasizing care of children from underserved communities.

Shared Decision-Making to Improve Care in Pediatrics

With funding from a Cincinnati Children's Place Outcomes Research Award and the National Institute of Mental Health, William Brinkman MD, MEd, is working to translate research into clinical practice using shared decision-making between patients, parents and clinicians to ensure that care is evidence-based, family-centered, and of high value. Brinkman led a multi-disciplinary team that included parents, pediatricians, psychologists, and graphic designers to develop an intervention to facilitate shared decision-making about treatment for children

newly diagnosed with attention-deficit hyperactivity disorder (ADHD).

The intervention was tested by seven pediatricians in five community-based primary care practices. Compared to controls, parents who received the intervention were more involved in decision-making, more knowledgeable and less conflicted about treatment options. Visit duration was unchanged. This project has led to presentations at four national and international meetings, one publication, and one manuscript currently under review. Brinkman is applying for NIH funding to expand the intervention and embed it within an existing web-based ADHD quality improvement program.

Using the ADHD intervention development process as a prototype, shared decision-making is being applied in new clinical areas. Currently, Brinkman and colleagues are working on grant-funded studies to develop and test shared decision-making interventions for human papilloma virus vaccination and treatment for juvenile idiopathic arthritis. In addition, he is working with the Anderson Center to build an infrastructure to support shared decision-making throughout the institution.

Innovation and Research in Physician Education

The increasingly rigorous approach to physician training and evaluation has been successfully applied as the Division develops innovative services for at-risk children. Resident education and curriculum evaluation have been integral to two new programs – the Child Health Law Partnership (Child HeLP) with the Legal Aid Society) and Keeping Infants Nourished and Developing (KIND) with the FreeStore FoodBank. Klein, Robert Kahn, MD, MPH, and colleagues have published eight manuscripts in the past year highlighting the positive effects of these programs on residents' knowledge and clinical practice in identification of social factors affecting child health. A PCT resident was the first author on two of these manuscripts.

Division Highlights

William Brinkman, MD, MEd

Dr. Brinkman's researches shared decision-making between patients/parents and clinicians to promote high value care that is evidence-based, family-centered. He led a team to develop a shared decision-making intervention for ADHD treatment. Parents became better informed and more involved in decisions without increasing visit length. He is currently collaborating on grant-funded research to facilitate shared decision making in the care of families facing decisions about human papilloma virus vaccination and those facing decision about treatment for juvenile idiopathic arthritis.

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 educator development, medical education and innovation linked to research and outcomes, and leadership development.

Sheela Geraghty, MD, MS

Dr. Geraghty is a general pediatrician and a lactation consultant. She is the medical director of the Cincinnati Children's Center for Breastfeeding Medicine. Dr. Geraghty's research interests focus on the barriers to successful breastfeeding outcomes, including the prevalent practice of breast milk pumping and the potential impact on the mother-infant dyad.

Camille Graham, MD

Dr. Graham recently accepted the position of Executive Community Physician at Cincinnati Children's. Her research interest include improving asthma care, especially in minority youth as well as health disparities in influenza vaccination. She is also interested in care coordination and community health.

Karen Jerardi, MD

Dr. Jerardi's interests include medical education of medical students and residents. She is the director of the Pediatric Hospital Medicine elective rotation for residents. Also, she has interests in clinical and quality research in common pediatric conditions.

Robert Kahn, MD, MPH

Dr. Kahn is focused on understanding and ameliorating social and racial disparities in child health. This past year, he has implemented 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. He has also developed and helps guide several innovative programs to address key causal factors. These include novel clinical approaches driven by collaborations with the Legal Aid Society of Greater Cincinnati, the Freestore Foodbank, and the Cincinnati Health Department. Finally, Dr. Kahn is interested in bridging clinical care and public health. He leads the new Population Health initiative that will be addressing infant mortality, injury, obesity, and asthma in Hamilton County. In an effort to learn at a smaller geographic level using improvement science methods, Dr. Kahn is working closely with agencies in Price Hill to help transform early childhood systems.

Eric Kirkendall, MD

Dr. Kirkendall is a pediatric hospitalist at Cincinnati Children's Hospital Medical Center Medical. He also performs operational and research activities as the Director of Clinical Decision Support through Information Services and as a patient safety researcher through the James M. Anderson Center for Health Systems Excellence. Dr Kirkendall is currently finishing a master's degree in medical informatics from Oregon Health & Science University. His specific research interests include leveraging information technology to improve patient care and safety.

Melissa Klein, MD

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. Her main research interested is medical education research, and primarily studies the impact of teaching social determinants of child health to pediatric residents.

Kadriye Lewis, EdD

Dr. Lewis is actively involved in the Online Master's Degree in Education and the Online Certificate in Medical Education Programs through her work as the associate director and as an online educator. She conducts educational research on issues arising in and related to online, asynchronous learning, especially in the context of the Online Master's Degree program. Dr. Lewis helps faculty and staff within Cincinnati Children's in teaching technology as needed and guiding them to reach the right technology resources.

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's has interest in structured planning for and the evaluation of the impact of human capital development decisions. He has applied structured planning processes such as concept mapping and economic forecasting to educational planning. He has studied the evolution of programs through social network methods and has applied economic models to evaluate educational outcomes. Additionally, Dr. McLinden has an interest in applications of Rasch measurement models to improve the measurement of 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.

Nicholas Newman, DO

Dr. Newman's interests and research center around Pediatric Environmental Health. He is interested in understanding how toxicants in the environment can effect children's health and in developing approaches that can be implemented to prevent or mitigate these effects. His recent research has examined the effect of traffic related air pollution exposure on neurobehavioral problems in children. He is currently developing Pediatric Environmental Health outreach and educational materials for primary care practitioners.

Christopher Peltier, MD

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

Zeina Samaan, MD

Dr. Samaan is focused on primary care quality improvement which include 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 initiatives. 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.

Joshua Schaffzin, MD, PhD

Dr. Schaffzin is a member of the Hospital Medicine Section, Surgical Hospital Medicine Service. His clinical responsibilities involve post-operative co-management with certain surgical services of medically complex children as well as pediatric consults to all surgical patients. Dr. Schaffzin's specific research interests include using molecular and quality improvement methods for surgical site infection prevention, infection control, patient safety, and healthcare epidemiology.

Angela Statile, MD

Dr. Statile is an instructor of clinical pediatrics She is pursuing a master's in medical education degree through the University of Cincinnati and is actively involved in the development of division resident and medical student education. Her main research interests include resident education and quality improvement. Specifically, she is

interested in the implementation of innovative hospital medicine curricula and improvement of the hospital discharge process.

Brian Volck, MD

Dr. Volck MD is a member of the Hospital Medicine Unit within the Division of General and Community Pediatrics and is an innovator in medical education. His specific research interests include cross-cultural medical communication and indigenous child health. He is a founding member of the Initiative on Poverty, Justice and Health and a faculty participant/advisor in the Global Child Health residency track, coordinating resident away experiences at Gallup Indian Medical Center in Gallup, New Mexico. He is a member of the AAP's Committee on Native American Child Health and US planning coordinator for the Fifth International Meeting on Indigenous Child Health, scheduled for spring, 2012.

Michael Vossmeier, MD

Dr. Vossmeier continues to develop and implement high reliability system of care 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 experience and the application of situation awareness.

Christine White, MD, MAT

Dr. White's interest and research focus on quality improvement. She has led efforts to increase medication reconciliation completion and improve physician compliance with proper handwashing. She is currently leading institute-wide improvement projects on improving capacity management and the patient/family experience.

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, 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

Burkhardt MC, **Beck AF**, Conway PH, **Kahn RS, Klein MD**. **Enhancing accurate identification of food insecurity using quality-improvement techniques.** *Pediatrics*. Feb 2012. 129(2):e504-10. Epub Jan 16 2012.

Infants who live in households experiencing food insecurity are at risk for negative health and developmental outcomes. Despite large numbers of households within our population experiencing food insecurity, identification of household food insecurity during standard clinical care is rare. Using quality improvement methods, second-year pediatric residents working in the Pediatric Primary Care Center increased the identification of household food insecurity from 1.9% to 11.2%. The proportion of residents identifying food insecurity also increased from 37.5% to 91.9% within 6 months using educational interventions to improve understanding of food insecurity, empowerment exercises targeting clinicians and families, and gaining buy-in and support from ancillary personnel. We expect that such strategies may enhance screening practices that allow for positive identification of at risk families who may benefit from on-site and community-based interventions.

Brinkman WB, Hartl J, Rawe L, Sucharew H, Britto MT, Epstein JN. **Physicians' Shared Decision-Making**

Behaviors in Attention-Deficit/Hyperactivity Disorder Care.*Arch Pediatr Adolesc Med.* 165(11):1013-9. Nov 2011.

This is the first pediatric study, using directly observed video-recorded encounters, to assess the degree to which decision making is shared between physicians and parents. The low levels of shared decision making documented in this study were comparable to those reported in adult primary care settings. Exploratory analyses identified potential disparities and barriers that can be targeted in future interventional studies.

Copeland KA, Sherman SN, Kendeigh CA, **Kalkwarf HJ**, Saelens BE. **Societal Values and Policies May Curtail Preschool Children's Physical Activity in Child Care Centers.** *Pediatrics.* 129(2):265-274. 2012.

Most preschool-aged children are in child-care settings, and many may not be getting enough physical activity due to an increasing societal focus on academics and parental concerns about child injury on the playground. Although daily physical activity is essential for maintaining healthy weight and for practicing fundamental gross motor skills, early education, child-care providers in this study reported that concerns about injury and pressure to prioritize classroom learning over outdoor play were curtailing children's opportunities for daily gross motor play. Teachers also noted that recent stricter licensing codes have resulted in playgrounds being less physically challenging and interesting to children, which hampered the children's physical activity.

Geraghty, SR, Tabangin, ME, Davidson, BS, Morrow, AL. **Predictors of Breast Milk Expression by One Month Postpartum and Influence on Breast Milk Feeding Duration.** *Breastfeeding Medicine.* 7 (2), 112-7. 2012.

The purpose of this study was to determine which factors characterize mothers who express their breast milk early in the postpartum period. Predictors of milk expression by one month were lower infant birth weight, higher maternal body mass index, and planned maternal work by six months. These results are significant because they highlight the type of mothers who may need assistance with latching their infants to the breast and who also may benefit from ongoing lactation support.

Yolton K, Xu Y, Strauss D, Altaye M, Calafat A, Khoury J. **Prenatal Exposure to Bisphenol A and Phthalates and Infant Neurobehavior.***Neurotoxicology and Teratology.* 33:558-566. 2011.

Exposure to plastics, such as bisphenol A and phthalates, has become a focus of increased concern among the lay public and the scientific community, yet research has been inconclusive in describing the potential dangers of this exposure to developing organisms, in particular the developing fetus. In a cohort of 350 mother/infant pairs with exposure levels comparable to those reported nationally, we assessed the association between the concentration of maternal urinary metabolites of bisphenol A and phthalates at two distinct time points in pregnancy (16w and 26w gestation) and early infant neurobehavior characterized with a comprehensive measure at five weeks of age. The findings demonstrated the current pervasiveness of exposure to plastics among pregnant women. Prenatal exposure to bisphenol A was not significantly associated with neurobehavioral outcomes at five weeks. While an association was found with abnormal reflexes in male infants for one type of phthalate (di-2-ethylhexyl phthalate; DEHP), the majority of the findings suggested no detrimental impact of maternal exposure to phthalates during pregnancy on subsequent infant neurobehavior.

Division Publications

1. A G, Klein M, Peltier CB, McAneney C, Lehmann C. **Webpage for Third Year Medical Students Pediatric Clerkship: Is Improved Access Information Useful and Educational?.** *Open Medical Education Journal.* 2011; 4:12-17.
2. Brinkman WB, Hartl J, Rawe LM, Sucharew H, Britto MT, Epstein JN. **Physicians' shared decision-making behaviors in attention-deficit/hyperactivity disorder care.** *Arch Pediatr Adolesc Med.* 2011; 165:1013-9.

3. Brinkman WB, Sherman SN, Zmitrovich AR, Visscher MO, Crosby LE, Phelan KJ, Donovan EF. **In their own words: adolescent views on ADHD and their evolving role managing medication.** *Acad Pediatr.* 2012; 12:53-61.
4. Burkhardt MC, Beck AF, Conway PH, Kahn RS, Klein MD. **Enhancing accurate identification of food insecurity using quality-improvement techniques.** *Pediatrics.* 2012; 129:e504-10.
5. Burkhardt MC, Beck AF, Kahn RS, Klein MD. **Are our babies hungry? Food insecurity among infants in urban clinics.** *Clin Pediatr (Phila).* 2012; 51:238-43.
6. Byars KC, Yolton K, Rausch J, Lanphear B, Beebe DW. **Prevalence, patterns, and persistence of sleep problems in the first 3 years of life.** *Pediatrics.* 2012; 129:e276-84.
7. Castillo J, Castillo H, Ayoub-Rodriguez L, Jennings JE, Jones K, Oliver S, Schubert CJ, Dewitt T. **The resident decision-making process in global health education: appraising factors influencing participation.** *Clin Pediatr (Phila).* 2012; 51:462-7.
8. Castillo J, Castillo H, DeWitt TG. **Opportunities in Global Health Education: A Survey of the Virtual Landscape.** *Journal of Graduate Medical Education.* 2011; 3:429-432.
9. Centers for Disease Control Prevention, Hudson N, Calvert G, Newman N. **Acute illnesses associated with insecticides used to control bed bugs--seven states, 2003--2010.** *MMWR Morb Mortal Wkly Rep.* 2011; 60:1269-74.
10. Copeland KA, Sherman SN, Kendeigh CA, Kalkwarf HJ, Saelens BE. **Societal values and policies may curtail preschool children's physical activity in child care centers.** *Pediatrics.* 2012; 129:265-74.
11. Currie J, Kahn RE. **Children with Disabilities.** *Future of Children.* 2012; 22:3-11.
12. Dorn LD, Pabst S, Sontag LM, Kalkwarf HJ, Hillman JB, Susman EJ. **Bone mass, depressive, and anxiety symptoms in adolescent girls: variation by smoking and alcohol use.** *J Adolesc Health.* 2011; 49:498-504.
13. Epstein JN, Langberg JM, Rosen PJ, Graham A, Narad ME, Antonini TN, Brinkman WB, Froehlich T, Simon JO, Altaye M. **Evidence for higher reaction time variability for children with ADHD on a range of cognitive tasks including reward and event rate manipulations.** *Neuropsychology.* 2011; 25:427-41.
14. Froehlich TE, Epstein JN, Nick TG, Melguizo Castro MS, Stein MA, Brinkman WB, Graham AJ, Langberg JM, Kahn RS. **Pharmacogenetic predictors of methylphenidate dose-response in attention-deficit/hyperactivity disorder.** *J Am Acad Child Adolesc Psychiatry.* 2011; 50:1129-1139 e2.
15. Gao T, Leonard MB, Zemel B, Kalkwarf HJ, Foster BJ. **Interpretation of body mass index in children with CKD.** *Clin J Am Soc Nephrol.* 2012; 7:558-64.
16. Geraghty S, Davidson B, Tabangin M, Morrow A. **Predictors of breastmilk expression by 1 month postpartum and influence on breastmilk feeding duration.** *Breastfeed Med.* 2012; 7:112-7.
17. Geraghty SR. **Photo album of pumped breastmilk.** *Breastfeed Med.* 2011; 6:433-4.
18. Hall DE. **The care of children with medically complex chronic disease.** *J Pediatr.* 2011; 159:178-80.
19. Kalkwarf HJ, Denburg MR, Strife CF, Zemel BS, Foerster DL, Wetzsteon RJ, Leonard MB. **Vitamin D deficiency is common in children and adolescents with chronic kidney disease.** *Kidney Int.* 2012; 81:690-7.
20. Klein M, Vaughn LM, Baker RC, Taylor T. **Welcome back? Frequent attenders to a pediatric primary care center.** *J Child Health Care.* 2011; 15:175-86.
21. Klein MD, Kahn RS, Baker RC, Fink EE, Parrish DS, White DC. **Training in social determinants of health in primary care: does it change resident behavior?** *Acad Pediatr.* 2011; 11:387-93.
22. Kuo DZ, Houtrow AJ, Arango P, Kuhlthau KA, Simmons JM, Neff JM. **Family-centered care: current applications and future directions in pediatric health care.** *Matern Child Health J.* 2012; 16:297-305.
23. Lipstein EA, Brinkman WB, Britto MT. **What is known about parents' treatment decisions? A narrative review of pediatric decision making.** *Med Decis Making.* 2012; 32:246-58.

24. Moncrief T, Kahn R, Assa'ad A. **Mouse sensitization as an independent risk factor for asthma morbidity.** *Ann Allergy Asthma Immunol.* 2012; 108:135-40.
25. Moyer VA. **Screening for bladder cancer: U.S. Preventive Services Task Force recommendation statement.** *Ann Intern Med.* 2011; 155:246-51.
26. Mussman GM, Conway PH. **Pediatric hospitalist systems versus traditional models of care: effect on quality and cost outcomes.** *J Hosp Med.* 2012; 7:350-7.
27. O'Malley JA, Peltier CB, Klein MD. **Obese and hungry in the suburbs: the hidden faces of food insecurity.** *Acad Pediatr.* 2012; 12:163-5.
28. Rasmussen KM, Geraghty SR. **The quiet revolution: breastfeeding transformed with the use of breast pumps.** *Am J Public Health.* 2011; 101:1356-9.
29. Sangvai S, Mahan JD, Lewis KO, Pudlo N, Suresh S, McKenzie LB. **The impact of an interactive Web-based module on residents' knowledge and clinical practice of injury prevention.** *Clin Pediatr (Phila).* 2012; 51:165-74.
30. Sathyanarayana S, Braun JM, Yolton K, Liddy S, Lanphear BP. **Case report: high prenatal bisphenol a exposure and infant neonatal neurobehavior.** *Environ Health Perspect.* 2011; 119:1170-5.
31. Schaffzin JK, Coronado F, Dumas NB, Root TP, Halse TA, Schoonmaker-Bopp DJ, Lurie MM, Nicholas D, Gerzonich B, Johnson GS, Wallace BJ, Musser KA. **Public health approach to detection of non-O157 Shiga toxin-producing Escherichia coli: summary of two outbreaks and laboratory procedures.** *Epidemiol Infect.* 2012; 140:283-9.
32. Shepherd JA, Wang L, Fan B, Gilsanz V, Kalkwarf HJ, Lappe J, Lu Y, Hangartner T, Zemel BS, Fredrick M, Oberfield S, Winer KK. **Optimal monitoring time interval between DXA measures in children.** *J Bone Miner Res.* 2011; 26:2745-52.
33. Spanier AJ, Kahn RS, Kunselman AR, Hornung R, Xu Y, Calafat AM, Lanphear BP. **Prenatal exposure to bisphenol a and child wheeze from birth to 3 years of age.** *Environ Health Perspect.* 2012; 120:916-20.
34. Spanier AJ, Kahn RS, Xu Y, Hornung R, Lanphear BP. **Comparison of biomarkers and parent report of tobacco exposure to predict wheeze.** *J Pediatr.* 2011; 159:776-82.
35. Terpstra AM, Kalkwarf HJ, Shults J, Zemel BS, Wetzsteon RJ, Foster BJ, Strife CF, Foerster DL, Leonard MB. **Bone density and cortical structure after pediatric renal transplantation.** *J Am Soc Nephrol.* 2012; 23:715-26.
36. Vaughn LM, McLinden D, Jacquez F, Crosby L, Slater S, Mitchell M. **Understanding the social networks of parents of children with sickle cell disease.** *J Health Care Poor Underserved.* 2011; 22:1014-29.
37. Vaughn LM, McLinden D, Shellmer D, Baker RC. **Parental Health Attributions of Childhood Health and Illness: Development of the Pediatric Cultural Health Attributions Questionnaire (Pedi-CHAQ).** *Journal of Prevention & Intervention in the Community.* 2011; 39:223-242.
38. Vermaire D, Caruso MC, Lesko A, Kloppenborg E, Olivea J, Pruett R, Paul M, Schoettker PJ, Seid M, Varadarajan KR, Conway PH. **Quality improvement project to reduce perioperative opioid oversedation events in a paediatric hospital.** *BMJ quality & safety.* 2011; 20:895-902.
39. Wetzsteon RJ, Kalkwarf HJ, Shults J, Zemel BS, Foster BJ, Griffin L, Strife CF, Foerster DL, Jean-Pierre DK, Leonard MB. **Volumetric bone mineral density and bone structure in childhood chronic kidney disease.** *J Bone Miner Res.* 2011; 26:2235-44.
40. Yolton K, Xu Y, Strauss D, Altaye M, Calafat AM, Khoury J. **Prenatal exposure to bisphenol A and phthalates and infant neurobehavior.** *Neurotoxicol Teratol.* 2011; 33:558-66.
41. Zemel BS, Kalkwarf HJ, Gilsanz V, Lappe JM, Oberfield S, Shepherd JA, Frederick MM, Huang X, Lu M, Mahboubi S, Hangartner T, Winer KK. **Revised reference curves for bone mineral content and areal bone mineral density according to age and sex for black and non-black children: results of the bone mineral**

Faculty, Staff, and Trainees

Faculty Members

Thomas DeWitt, MD, Professor

Leadership 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 Emeritus

Leadership Co-Director, Masters in Medical Education

Research Interests Resident education, educator development, and distance education

Paul Bellet, MD, Professor Emeritus

Omer Berger, MD, Professor Emeritus

Patrick Brady, MD, MSc, Assistant Professor

Research Interests Patient safety and improvement science research

William Brinkman, MD, MEd, Assistant Professor

Leadership Assoc Program Director, NRSA Primary Care Research Fellowship in Child & Adolescent Health; Physician Lead, Rapid Evidence Adoption for Child Health (REACH) team with James M Anderson Center for Health Systems Excellence; Research Director, Cincinnati Pediatrics Research Group (CPRG)

Research Interests Shared decision-making, family/self management of chronic conditions like attention-deficit/hyperactivity disorder (ADHD) and asthma, knowledge translation, quality improvement

Kristen Copeland, MD, Assistant Professor

Leadership Director, Gen Peds Research Fellowship

Research Interests Obesity prevention in child-care

Nick DeBlasio, MD, Instructor

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

Emanuel Doyne, MD, Adjunct

Leadership Director, Section of Community Pediatrics

Research Interests Practice based research network

Dena Elkeeb, MD, Assistant Professor

Research Interests Diagnostic errors in pediatrics, inpatient pediatric dermatology education and training for pediatric house staff

Derek Fletcher, MD, Assistant Professor

Research Interests Children with Special Health Care Needs, Medical Home

Sheela Geraghty, MD, MS, Associate Professor

Leadership Director, Center for Breastfeeding Medicine

Research Interests Breastfeeding Medicine

Craig Gosdin, MD, MSHA, Assistant Professor

Leadership Director, GIS Liberty Campus

Camille Graham, MD, Assistant Professor

Leadership Executive Community Physician Leader

Research Interests Improve asthma care especially in minority; health disparities in influenza vaccination; community health; care coordination

Amy Guiot, MD, Adjunct

Research Interests Medical student education and family centered care

David Hall, MD, Professor

Leadership Director, Diagnostic Clinic

Research Interests Epidemiology of medically complex chronic disease and the impact of the medical home on quality and cost of care for children with medically complex chronic disease

Robert Ingberg, MD, Professor Emeritus

Karen Jerardi, MD, Instructor

Research Interests Medical education

Robert Kahn, MD, MPH, Associate Professor

Leadership Director, Section of Research; Associate Director, Division of Genral & Community Pediatrics

Research Interests Gene-environment interaction, disparities, asthma, ADHD

Heidi Kalkwarf, PhD, Professor

Research Interests Fracture, bone density, exercise interventions

Eric Kirkendall, MD, Assistant Professor

Leadership Medical Director, Clinical Decision Support

Research Interests Using technology and the electronic health record to improve quality and safety in care delivery.

Melissa Klein, MD, Adjunct

Leadership Director, Section of Education; Director, Primary Care Residency Track; Associate Program Director of Pediatric Residency

Research Interests Medical education; serving the underserved

Bruce Lanphear, MD, MPH, Adjunct

Ronald Levin, MD, Associate Professor

Leadership Director, Special Needs Section

Kadriye Lewis, EdD, Associate Professor

Leadership Co-Director, Masters in Medical Education

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

Mona Mansour, MD, MS, Associate Professor

Leadership Director, Section of Primary Care Services

Research Interests School health, asthma, underserved populations, quality improvement

Christine McHenry, MD, MATS, Professor Emerita

Daniel McLinden, EdD, Assistant Professor

Research Interests Program evaluation, Economic Evaluation, Rasch analysis, Social Network Analysis, outcome measurement

Stephen Muething, MD, Associate Professor

Leadership Vice President, Patient Safety

Research Interests Patient Safety, Reliability, Adverse Events

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

Jennifer O'Toole, MD, Assistant Professor

Leadership Associate Director, Med/Peds

Research Interests Physician handoffs, curriculum development & innovation in residency education.

Michelle Parker, MD, Instructor

Research Interests Evidence based health care implementation and education

Christopher Peltier, MD, Adjunct

Leadership Co-Director, Section of Community Pediatrics

Research Interests Medical student and resident education; community pediatrics

Judith Ragsdale, 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, Adjunct

Research Interests Hospital Medicine and Breastfeeding Medicine

Samir Shah, MD, MSCE, Associate Professor

Leadership Co-Director, Hospital Medicine

Research Interests Improving the efficiency & quality of care of children hospitalized with common, serious infections

Zeina Samaan, MD, Adjunct

Leadership Director, PPC & Hopple Street Health Center

Research Interests Quality Improvement

Joshua Schaffzin, MD, PhD, Assistant Professor

Research Interests Using molecular and quality improvement methods for surgical site infection prevention, infection control, patient safety, and healthcare epidemiology

Rosemary Schmidt, MD, Professor Emerita

Ted Sigrest, MD, Assistant Professor

Leadership Director, Surgical Hospital Medicine

Research Interests Family-centered care and medical rounds: studies in efficiency and effectiveness

Jeffrey Simmons, MD, MS, Assistant Professor

Leadership Co-Director, Hospital Medicine for Research; Director, Pediatric Hospital Medicine Fellowship

Research Interests Asthma, Hospitalist, Quality Improvement, Health Services, Family-Centered

Angela Statile, MD, Instructor

Research Interests Resident education, quality improvement

Gregory Szumlas, MD, Assistant Professor

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

Lisa Vaughn, PhD, Associate Professor

Research Interests Cultural competency, Latinos, marginalized populations, community-based participatory research methodology

Brian Volck, MD, Adjunct

Research Interests Medical education and cross-cultural medicine. He is currently working on a book on the cultural, historical and medical aspects of increased expression of autosomal recessive conditions.

Michael Vossmeier, MD, Assistant Professor

Leadership Director, GIS

Research Interests High reliability, Situation Awareness, Patient Safety, Family & Patient Centered Rounding

Christine White, MD, MAT, Assistant Professor

Research Interests Quality improve physicians compliance with hand hygiene

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 (Center for Safe and Health Children)

Caroline Mueller, MD, Professor (Internal Medicine)

Kieren Phelan, MD, MS, Associate Professor (Center for Health Policy & Clinical Effectiveness)

Stephen Wilson, MD, Assistant Professor (Internal Medicine)

Clinical Staff Members

- **Jeanne Beischel, MD**
- **Talia Belmont Monteverde, MD**
- **Benjamin Bolser, MD**
- **Scott Callahan, MD**,
Medical Director, Children's Health Center
- **Aimee Deiwert, MD**
- **Anne Marie Fitz, MD**
- **Jennifer Hardie, MD**
- **Gretchen Hartz, MD**
- **Karla Hicks, MD**
- **Elisabeth Kelley, MD**
- **Katie Kerrey, MD**
- **Jill Klein, MD**
- **Brandi Lewis, MD**
- **Ellen Lipstein, MD**
- **Carrie McIntyre, MD**
- **John Morehous, MD**,

Medical Director, Fairfield Pediatric Primary Care

- **Jenny Motley, MD**
- **Grant Mussman, MD**
- **Mary Beth Pero, MD**
- **Sheldon Polonsky, MD**
- **Andrew Poltrack, MD**
- **Robert Schaengold, MD,**

Medical Leader, Hopple Street Health Center

- **Ellen Springer, MD**
- **Tracy Tiller, MD**

Trainees

- **Lilliam Ambroggio, Ph, MPH**, PGY 0, Drexel University
- **Sarah Beal, PhD**, PGY 0, University of Nebraska-Lincoln
- **Andrew Beck, MD**, PGY 5, University of Pennsylvania
- **Courtney Brown, MD**, PGY 6, Temple University
- **Lauren Solon, MD**, PGY 4, SUNY at Buffalo
- **Joanne Thomson, MD**, PGY 3, St Louis University

Division Collaboration

Adolescent Medicine » Maria Britto, MD, MPH

Dr. Britto is a co-mentor on Dr. Brinkman's K23 project.

Adolescent Medicine » Lea Widdice, MD

Dr. Brinkman collaborates on Dr. Widdice's Place Outcomes Research Award project entitled, "HPV Vaccine Decision Aid Development"

Adolescent Medicine » Frank Biro, MD

Collaboration with Dr. Kalkwarf on studies that assess the relation between xenohormone exposure on fat distribution in early puberty and on the longitudinal trajectories of pubertal development and bone mineral density in healthy children

Adolescent Medicine » Lorah Dorn, PhD and

Collaboration with Dr. Kalkwarf on a longitudinal study of depression and bone mineral density adolescent girls

Adolescent Medicine; Rheumatology » Ellen Lipstein, MD, MPH and Esi Morgan-DeWitt, MD, MSCE

Dr. Brinkman collaborates with Drs. Lipstein and Morgan-DeWitt on a project funded by the Center of Education and Research in Therapeutic (PI: Lannon), entitled "Optimize the use of medications and shared decision making & shared decision making to treat juvenile idiopathic arthritis: a model for chronic care"

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

Dr. Drotar is a co-mentor on Dr. Brinkman's K23. All others serve on his K23 Advisory Board.

Collaborates with Dr. Newman on the ICARD study to study children with ADHD.

Anderson Center » Carol Lannon, MD, MPH and Mandel, Keith, MD

Dr. Lannon is a member of Dr. Brinkman's K23 Advisory Board

Collaborates with Dr. Mona Mansour on the BEACON project with Health Bridge.

Anderson Center » Evaline Alessandrini, MD, MSCE

Collaborates with Dr. Brinkman on Rapid Evidence Adoption for Child Health (REACH) within the James M Anderson Center for Health Systems Excellence

Asthma Center » Carolyn Kercsmar, MD and Neeru Hershey, MD, PhD

Drs. DeWitt, Mansour, and Simmons serve on the Asthma Center Advisory Board. In addition, Dr. Simmons and Dr. Mansour are active members of the Inpatient Asthma Quality Improvement Working Group. Finally, Drs. Kahn and Simmons are collaborating on the population health strategy for asthma which is co-lead by Drs. Kercsmar and Mansour.

Behavioral Medicine & Clinical Psychology » Dean Beebe, PhD and Kelly Byars, PsyD

Dr. Yolton collaborates with faculty in Behavioral Medicine who are interested in child sleep patterns and how they are impacted by development in general as well as exposures to environmental toxicants such as tobacco smoke. One manuscript has been published and one is currently in revision. Others are planned.

Behavioral Medicine and Clinical Psychology » Jeffrey Epstein, PhD

Dr. Epstein is the primary mentor on Dr. Brinkman's K23 project.

Biostatistics & Epidemiology » Jane Khoury, PhD, Heidi Sucharew, PhD, and Mekibib Altaye, PhD

Dr. Yolton collaborates on several projects relating prenatal and postnatal exposures to environmental toxicants (tobacco smoke, pesticides, plastics) and neurobehavioral outcomes in infants and children.

Biostatistics and Epidemiology » Heidi Sucharew, PhD

Dr. Sucharew is a member of Dr. Brinkman's K23 Advisory Board

Colorectal Surgery; Surgery » Marc Levitt, MD and Richard Azizkhan, MD

Collaborating with Dr. McLinden evaluating of the impact of Colorectal surgical training conference - Education and Training Project

Developmental & Behavioral Pediatrics » David Schonfeld, MD

Dr. Schonfeld is a member of Dr. Brinkman's K23 Advisory Board

Education and Training » Nancy Burse

Collaborates with Dr. DeWitt to develop and evaluate fellowship online curriculum

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

Collaborating with Dr. Melissa Klein on the Resident Advocacy rotation

Emergency Medicine » Dan Schumacher, MD and Javier Gonzalez del Rey, MD, MEd

Collaborates with Dr. DeWitt with regard to application of training competencies

Emergency Medicine; Adolescent Medicine » Connie McAneney, MD, MS and Corrine Lehmann, MD, MEd

Developing with Drs. Guiot, M. Klein, and Peltier a web portal for pediatric medical student education

Developmental & Behavioral Pediatrics » Tanya Froehlich, MD

Dr. Yolton collaborates with Dr. Kim Cecil on studies of brain imaging in relation to exposures to environmental toxicants and neurobehavioral outcomes.

Gastroenterology » James Heubi, MD

Collaborating with Dr. Kalkwarf on studies of bone disease in intestinal failure patients and reference values of bone density in infants 0-36 months of age

Global Child Health Center; International Patient Care and Education » Mark Steinhoff, MD, Adekunle Dawodu, MBBS, FRCPC, and Michelle Kohn

Collaborates with Dr. DeWitt to develop international medical education exchange experience

Infectious Diseases » Beverly Conelly, MD and Staat, Mary , MD

Dr. Samaan is the Primary Care lead physician for improving influenza vaccination among high risk pediatric patients.

Collaborates with Dr. Sheela Geraghty on the transmission of flu virus immunization through breast milk.

Neonatology/Pulmonary Biology » Beth Haberman, MD, Tanya Cahill, MDE, Kurt Schibler, MD, Jean Steichen, MD, and Kathy Wedig, MD

Dr. Yoltoncollaborates with neonatology faculty on research and clinical projects focused on the health and neurobehavioral outcomes of high-risk infants.

Pulmonary Medicine; Patient Services; Pharmacy; Home Helath Care » Carolyn Kercsmar, MD

Collaborates with Dr. Mansour on the academic improvement 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 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.

Pulmonary Medicine » Carolyn Kerscmar, MD

Both through the RNA expression grant, Gen Peds AIC asthma project, Beacon Communities grant, population health strategy for asthma, and inpatient asthma QI working group, Dr. Simmons is working with Dr. Kerscmar to both improve care for inpatient asthmatics and to better engineer our inpatient system as a clinical laboratory.

Radiology » Kim Cecil, PhD

Dr. Yolton collaborates with Dr. Kim Cecil on studies of brain imaging in relation to exposures to environmental toxicants and neurobehavioral outcomes.

Rheumatology; Adolescent Medicine » Esi Morgan DeWitt, MD, MSCE and Ellen Lipstein, MD, MPH

Collaborating on subproject within application for “Center for Education and Research on Therapeutics (CERTs) Research Center”

Grants, Contracts, and Industry Agreements

Grant and Contract Awards Annual Direct

BRINKMAN, W**Medication Continuity in Children Treated for ADHD**

National Institutes of Health

K23 MH 083027

01/01/10-11/30/14

\$163,418

COPELAND, K**NRSA Research Fellowship Training**

Health Resources & Services Administration

T32 HP 10027

07/01/11-06/30/16

\$368,677

The Influence of Child Care Center Environment on Children's Physical Activity

National Institutes of Health

K23 HL 088053

04/01/08-03/31/13

\$124,063

DEWITT, T**Cincinnati Center for Clinical/Translational Sciences & Training**

National Institutes of Health(University of Cincinnati)	04/03/09-03/31/14	\$39,647
GREINER, M		
2012 CATCH Planning Grant American Academy of Pediatrics	01/02/12-01/01/13	\$12,000
KAHN, R		
Explaining Racial Disparities in Child Asthma Morbidity National Institutes of Health R01 AI 88116	05/01/10-04/30/14	\$481,797
KALKWARF, H		
Bone Mineral Density in Childhood Study (BMDCS) Clinical Trials & Surveys Corp N01 HD 13328	02/01/11-03/31/11	\$4,944
Genome Wide Association Study of Bone Mineral Accretion National Institutes of Health(Children's Hospital of Philadelphia) R01 HD 058886	02/01/10-01/31/14	\$47,358
KLEIN, M		
Faculty Development in Primary Care Health Resources & Services Administration D55 HP 23195	09/30/11-09/29/16	\$152,850
Primary Care Residency Expansion Health Resources & Services Administration T89 HP 20766	09/30/2010-09/29/2015	\$437,457
MANSOUR, M		
Eliminating Asthma-Related Admission and ED/Urgent Care Visits for Asthma Population with Medicaid Coverage in Hamilton County, Ohio Robert Wood Johnson Foundation(Center for Health Care Strategies, Inc.) CHCS 100749	12/15/11-04/30/12	\$46,304
NEWMAN, NICHOLAS		
Community Outreach and Engagement Core University of Cincinnati P30ES006096	04/01/2011-03/31/2012	\$16,689
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	\$168,880
Mechanisms of Pesticide-Induced Neurobehavioral Deficits: Relevance to ADHD National Institutes of Health(University of Medicine and Dentistry of New Jersey) R01 ES 015991	09/01/2010-06/30/2012	\$75,000
Low Level Prenatal Tobacco Exposure and Infant Wheeze Flight Attendant Medical Research Institute(Pennsylvania State University) 062435	07/01/2011-06/30/2012	\$39,937
Prenatal Low Level Tobacco & Phthalate Exposure & Childhood Respiratory Health National Institutes of Health(Pennsylvania State University) K23ES016304	07/01/2008-06/30/2013	\$19,953
Current Year Direct		\$2,198,974

Service Collaborations

NEWMAN, N

Nat Env Edu Fdn

\$6,000

Stroger Hospital

\$10,000

YOLTON, K

Mt Sinai Sch of Med

\$6,000

Current Year Direct

\$22,000

Total

\$2,220,974