

General and Community Pediatrics

RESEARCH AND TRAINING DETAILS



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Faculty	27
Joint Appointment Faculty	6
Research Fellows	3
Support Personnel	35
Direct Annual Grant Support	\$2,562,273
Direct Annual Industry Support	\$96,188
Peer Reviewed Publications	42

CLINICAL ACTIVITIES AND TRAINING

Clinical Staff	120
Staff Physicians	19
Clinical Fellows	3
Other Students	2
Inpatient Encounters	10
Outpatient Encounters	89,110

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Research Highlights

Divisional and Individual Honors and Awards:

Kristen Copeland, MD, received the Cincinnati Children's **Place Outcomes Research Award**.

Nick DeBlasio, MD, MEd, was elected to the American Academy of Pediatrics PREP Board member and completed a master's in Medical Education.

Tom DeWitt, MD, FAAP, was named the chair of the **Reach Out and Read** National Advisory Board.

Amy Haering, DMP, RN, MNA-DC, received the Interact for Change Nursing Excellence Award for Leadership.

John Hutton, MD, received the **Arnold Strauss Fellowship Award** and the **APA Young Investigator Award**.

Rob Kahn, MD, MPH, was named the associate chair for community health. He also received the 2014 Outstanding Achievement Award, American Academy of Pediatrics, Section on Epidemiology and Council on Community Pediatrics.

Katie Kerrey, MD, received the 2014 Ray Baker Teaching Award, **Cincinnati Pediatric Society**.

Jill Klein, MD, was named treasurer, Cincinnati Pediatric Society.

Mona Mansour, MD, MS, was promoted to professor of clinical pediatrics. She also received the Cincinnati Children's Faculty Award for Senior Clinical Care Achievement.

Carrie McIntyre, MD, received the **Cincinnati Champion for Change Award for Safe Sleep**.

Nick Newman, DO, MS, FAAP, was awarded a Next Generation Biomedical Investigator Award from the **Center for Environmental Genetics at the University of Cincinnati**.

Chris Peltier, MD, received the Community Preceptor Award from the **University of Cincinnati College of Medicine**.

Sarah Riddle, MD, IBCLC, FAAP, graduated from the I2S2 Class 21.

Denise Warrick, MD, was named the president of the Cincinnati Pediatric Society

Stephen Warrick, MD, was promoted to assistant professor of clinical pediatrics.

Primary Care sites receive NCQA PCMH

Children's Health Care in Batesville and Greensburg, Indiana; Fairfield Primary Care Center; Hopple Street Primary Care Center; and Pediatric Primary Care Center received the Level 3 National Committee for Qualified Assurance Patient-Centered Medical Home (NCQA PCMH) certification.

Thomas DeWitt, MD, FAAP

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 is evidence-based and family-centered. He collaborates to develop interventions to facilitate shared decision-making across a wide-range of clinical contexts.

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. Dr. Copeland serves as principal investigator (PI) on the Study of Nutrition and Wellness Quality in Child Care Settings (SNAQCS). USDA will use the data gleaned from this study to evaluate and modify the Child and Adult Care Food Program to optimize child health outcomes related to nutrition and physical activity.

Nick DeBlasio, MD, MEd

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 the Pediatric Primary Care Center (**PPCC**) to optimize flow and patient/provider/staff satisfaction.

Michelle French, MD

Dr. French is currently the interim medical director for the Complex Care Center (**CCC**) that serves as the primary care medical home for medically complex children. She is currently focused on an intense restructuring effort in the CCC, designed to improve preventative service delivery and chronic care management in an effort to reduce inpatient admission and emergency room visit rates for medically complex patients.

Sheela Rath Geraghty, MD, MS, IBCLC, FAAP

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 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

Dr. Harper's 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 is working to 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 (RLDC). 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 National Institutes of Health (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, RD

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. Dr. Kalkwarf has transitioned to the [Division of Gastroenterology, Hepatology, and Nutrition](#).

Melissa D. Klein, MD, MEd

Dr. Klein is a general pediatrician, medical educator and researcher. She is the director of the Education Section in the Division of General and Community Pediatrics and the director of the Primary Care and Community Pathway of the Pediatric Residency Program. 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.

Colleen 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

Dr. Mansour's primary professional focus is improving health outcomes of vulnerable children and reducing disparities in health care through redesign of care delivery systems. She has led highly successful complex system re-design projects with multiple internal and external stakeholders/partners. She is leading divisional and institutional initiatives on community connected primary care. Special areas of interest include children with asthma, primary care/behavioral health

integration, and school based health centers/ 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

Dr. McLinden working with the Collaborative Chronic Care Network (C3N) in the **James M. Anderson Center for Health Systems Excellence** at Cincinnati Children's, 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, FAAP

Dr. Newman is focused on improving the health of children affected by exposure to environmental toxicants, particularly children with lead poisoning and asthma. He led the development of recommendations for the medical management of lead poisoning in children that was endorsed by the **American Academy of Pediatrics**. In addition, he actively works with local, state and federal health agencies as well as community groups to identify and eliminate sources of lead exposure in children. He is currently funded to research the influence of indoor air quality on respiratory symptoms in children with asthma.

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, FAAP

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. Dr. Riddle also graduated from the I2S2 class 21. The title of her project was "Increasing Breastfeeding Duration in the Pediatric Primary Care Clinic."

Zeina Samaan, MD

Dr. Samaan is focused on primary care redesign, which includes improving preventive service delivery, ill care open access initiatives, and chronic care. She also focuses on quality improvement, specifically in the following areas: improvement of childhood immunization rate, improvement of influenza vaccination rate in high risk pediatric patients, development screening and autism initiatives, improving asthma care for underserved inner city children, improving newborn care and access to primary care medical home, and preventing medical errors in primary care setting. She also focuses on the use of Electronic Health Record (EHR) to deliver quality of care; implemented immunization and

flu alerts using EHR to improve the rate of childhood vaccinations, as well as other best practice alerts to improve the delivery of the recommended preventive services.

Gregory Szumlas, MD, FAAP

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, Henize AW, **Kahn RS**, Reiber KL, Young JJ, **Klein MD**. **Forging a Pediatric Primary Care-Community Partnership to Support Food-Insecure Families**. *Pediatrics*. 2014 Aug;134(2):e564-71.

Disadvantaged households often have limited access to nutrition which can put children, and especially infants, at high risk of negative health consequences. Primary care pediatricians that care for these families have historically had little to offer to mitigate such risk. In this study, we used a clinical-community collaborative called Keeping Infants Nourished and Developing (or KIND) to address food insecurity for over 1,000 families with infants. The intervention which partnered a pediatric primary care center with the region's largest food bank was found to be associated with improved preventative care outcomes for those served. For example, those who received the intervention were significantly more likely than those who did not to receive a full set of well infant visits, have a completed lead and developmental screen, and be referred to social work and our medical-legal partnership. Success was possible because of strong collaboration between primary care staff and community partners.

Brinkman WB, Epstein JN, Auinger P, Tamm L, Froehlich TE. **Association of Attention-Deficit/Hyperactivity Disorder and Conduct Disorder with Early Tobacco and Alcohol Use**. *Drug Alcohol Depend*. 2015 Feb 1;147:183-9.

Early onset of tobacco and alcohol use is a significant public health concern as use before the mid-teen years is related to subsequent dependence. This study was the first to demonstrate, using a sample representative of the U.S. population, that adolescents with attention-deficit/hyperactivity disorder (ADHD) and conduct disorder (CD) are at increased risk for early onset substance use.

Brown CM, Perkins J, Blust A, **Kahn RS**. **A Neighborhood-Based Approach to Population Health in the Pediatric Medical**

Home. *J Community Health*. 2015 Feb;40(1):1-11.

Locally and nationally, primary care is being re-engineered to improve population health outcomes. While many population health initiatives focus on patient panels, this study was among the first to focus on population health management of a geographically-defined population of infants. This study examined local strategies for connecting every newborn in a low-income neighborhood to a medical home and other health-promoting community resources. In this study, a small network of primary care clinics, along with community partners, developed and tested interventions that led to more timely well child care, increased enrollment in home visiting programs, and improved communication between the medical home and home visitors. The study provided an example of how shared care coordination and measurement processes across multiple clinics can increase the percentage of a neighborhood population that is reached. The protocol for communication between primary care and home visitors was, to our knowledge, the first of its kind to be described in the literature. Neighborhood-based approaches in low-income areas, such as those described in this study, could represent important components of interventions to reduce child health disparities.

Donauer S, Chen A, Xu Y, Calafat AM, Sjodin A, **Yolton K**. **Prenatal Exposure to Polybrominated Diphenyl Ethers and Polyfluoroalkyl Chemicals and Infant Neurobehavior.** *J Pediatr*. 2015 Mar;166(3):736-42.

There is limited evidence of potential adverse health outcomes associated with exposure to polybrominated diphenyl ethers (PBDEs) and polyfluoroalkyl chemicals (PFCs) during the prenatal period. This study, comprised of a representative sample of pregnant women living in the greater Cincinnati area between 2003 and 2006, assessed the impact of these common pollutants on early infant neurobehavior. Serum concentrations of perfluorooctanoic acid (PFOA), a common PFC pollutant, were found to be more than twice as high as levels estimated from pregnant women nationally during the same time period. Infants of mothers with greater serum concentrations of PFOA during pregnancy were more likely to be categorized as hypotonic, as assessed by their performance on the NICU Network Neurobehavioral Scale (NNS). It is essential that we continue to investigate the full impact of these pollutants on human health, as these pollutants are ubiquitous in our everyday environment.

Division Publications

1. Auger KA, Kahn RS, Davis MM, Simmons JM. **Pediatric asthma readmission: asthma knowledge is not enough?** *J Pediatr*. 2015; 166:101-8.
2. Beck AF, Henize AW, Kahn RS, Reiber KL, Young JJ, Klein MD. **Forging a pediatric primary care-community partnership to support food-insecure families.** *Pediatrics*. 2014; 134:e564-71.
3. Beck AF, Huang B, Chundur R, Kahn RS. **Housing code violation density associated with emergency department and hospital use by children with asthma.** *Health Aff (Millwood)*. 2014; 33:1993-2002.
4. Beck AF, Huang B, Kerckmar CM, Guilbert TW, McLinden DJ, Lierl MB, Kahn RS. **Allergen sensitization profiles in a population-based cohort of children hospitalized for asthma.** *Ann Am Thorac Soc*. 2015; 12:376-84.
5. Braun JM, Froehlich T, Kalkbrenner A, Pfeiffer CM, Fazili Z, Yolton K, Lanphear BP. **Brief report: are autistic-behaviors in children related to prenatal vitamin use and maternal whole blood folate concentrations?** *J Autism Dev Disord*. 2014; 44:2602-7.
6. Brinkman WB, Epstein JN, Auinger P, Tamm L, Froehlich TE. **Association of attention-deficit/hyperactivity disorder and conduct disorder with early tobacco and alcohol use.** *Drug Alcohol Depend*. 2015; 147:183-9.
7. Brown CM, Perkins J, Blust A, Kahn RS. **A neighborhood-based approach to population health in the pediatric**

medical home. *J Community Health.* 2015; 40:1-11.

8. Butteris SM, Gladding SP, Eppich W, Hagen SA, Pitt MB, Investigators S. **Simulation Use for Global Away Rotations (SUGAR): preparing residents for emotional challenges abroad--a multicenter study.** *Acad Pediatr.* 2014; 14:533-41.
9. Chen A, Yolton K, Rauch SA, Webster GM, Hornung R, Sjodin A, Dietrich KN, Lanphear BP. **Prenatal polybrominated diphenyl ether exposures and neurodevelopment in U.S. children through 5 years of age: the HOME study.** *Environ Health Perspect.* 2014; 122:856-62.
10. DeBlasio D, Kerrey MK, Sucharew H, Klein M. **Creating an educationally minded schedule: one approach to minimize the impact of duty hour standards on intern continuity clinic experience.** *Perspect Med Educ.* 2014; 3:391-8.
11. Donauer S, Chen A, Xu Y, Calafat AM, Sjodin A, Yolton K. **Prenatal exposure to polybrominated diphenyl ethers and polyfluoroalkyl chemicals and infant neurobehavior.** *J Pediatr.* 2015; 166:736-42.
12. Epstein JN, Kelleher KJ, Baum R, Brinkman WB, Peugh J, Gardner W, Lichtenstein P, Langberg J. **Variability in ADHD care in community-based pediatrics.** *Pediatrics.* 2014; 134:1136-43.
13. Greiner MV, Ross J, Brown CM, Beal SJ, Sherman SN. **Foster Caregivers' Perspectives on the Medical Challenges of Children Placed in Their Care: Implications for Pediatricians Caring for Children in Foster Care.** *Clin Pediatr (Phila).* 2015; .
14. Holmes AV, Peltier CB, Hanson JL, Lopreiato JO. **Writing medical student and resident performance evaluations: beyond "performed as expected".** *Pediatrics.* 2014; 133:766-8.
15. Horowitz-Kraus T, Grainger M, DiFrancesco M, Vannest J, Holland SK, Consortium CA. **Right is not always wrong: DTI and fMRI evidence for the reliance of reading comprehension on language-comprehension networks in the right hemisphere.** *Brain Imaging Behav.* 2015; 9:19-31.
16. Horowitz-Kraus T, Holland SK. **Greater functional connectivity between reading and error-detection regions following training with the reading acceleration program in children with reading difficulties.** *Ann Dyslexia.* 2015; 65:1-23.
17. Horowitz-Kraus T, Wang Y, Plante E, Holland SK. **Involvement of the right hemisphere in reading comprehension: a DTI study.** *Brain Res.* 2014; 1582:34-44.
18. Keim SA, Kulkarni MM, McNamara K, Geraghty SR, Billock RM, Ronau R, Hogan JS, Kwiek JJ. **Cow's Milk Contamination of Human Milk Purchased via the Internet.** *Pediatrics.* 2015; 135:e1157-62.
19. Keim SA, McNamara KA, Dillon CE, Strafford K, Ronau R, McKenzie LB, Geraghty SR. **Breastmilk sharing: awareness and participation among women in the Moms2Moms Study.** *Breastfeed Med.* 2014; 9:398-406.
20. Kuntz JL, Safford MM, Singh JA, Phansalkar S, Slight SP, Her QL, Lapointe NA, Mathews R, O'Brien E, Brinkman WB, Hommel K, Farmer KC, Klinger E, Maniam N, Sobko HJ, Bailey SC, Cho I, Rumpitz MH, Vandermeer ML, Hornbrook MC. **Patient-centered interventions to improve medication management and adherence: a qualitative review of research findings.** *Patient Educ Couns.* 2014; 97:310-26.
21. Lappe JM, Watson P, Gilsanz V, Hangartner T, Kalkwarf HJ, Oberfield S, Shepherd J, Winer KK, Zemel B. **The longitudinal effects of physical activity and dietary calcium on bone mass accrual across stages of pubertal development.** *J Bone Miner Res.* 2015; 30:156-64.

22. Maduekwe ET, Buczynski BW, Yee M, Rangasamy T, Stevens TP, Lawrence BP, O'Reilly MA. **Cumulative neonatal oxygen exposure predicts response of adult mice infected with influenza A virus**. *Pediatr Pulmonol*. 2015; 50:222–230.
23. Makoroff K, Greiner MV, Keeshin B. **Sexual Abuse**. In: R Humphries, D Drigall, M Stone, M Stephan, eds. *Current Diagnosis and Treatment: Pediatric Emergency Medicine*. New York, NY: McGraw-Hill; 2015.
24. McMullen CK, Safford MM, Bosworth HB, Phansalkar S, Leong A, Fagan MB, Trontell A, Rumpitz M, Vandermeer ML, Centers for E, Research on Therapeutics Patient-Centered Medication Management Workshop Working G, Brinkman WB, Burkholder R, Frank L, Hommel K, Mathews R, Hornbrook MC, Seid M, Fordis M, Lambert B, McElwee N, Singh JA. **Patient-centered priorities for improving medication management and adherence**. *Patient Educ Couns*. 2015; 98:102-10.
25. Moncrief T, Beck AF, Olano K, Huang B, Kahn RS. **Routinely sleeping away from home and the association with child asthma readmission**. *J Community Health*. 2014; 39:1209-15.
26. Newman NC. **Lead Poisoning Prevention in Children**. *Ohio Pediatrics*. 2014; Fall:24-27.
27. Ollberding NJ, Couch SC, Woo JG, Kalkwarf HJ. **Within- and between-individual variation in nutrient intake in children and adolescents**. *J Acad Nutr Diet*. 2014; 114:1749-58 e5.
28. Ollberding NJ, Gilsanz V, Lappe JM, Oberfield SE, Shepherd JA, Winer KK, Zemel BS, Kalkwarf HJ. **Reproducibility and intermethod reliability of a calcium food frequency questionnaire for use in Hispanic, non-Hispanic Black, and non-Hispanic White youth**. *J Acad Nutr Diet*. 2015; 115:519-27 e2.
29. Pappas A, Shankaran S, McDonald SA, Vohr BR, Hintz SR, Ehrenkranz RA, Tyson JE, Yolton K, Das A, Bara R, Hammond J, Higgins RD, Hypothermia Extended Follow-up Subcommittee of the Eunice Kennedy Shriver NNRN. **Cognitive outcomes after neonatal encephalopathy**. *Pediatrics*. 2015; 135:e624-34.
30. Prasodjo A, Pfeiffer CM, Fazili Z, Xu Y, Liddy S, Yolton K, Savitz DA, Lanphear BP, Braun JM. **Serum cotinine and whole blood folate concentrations in pregnancy**. *Ann Epidemiol*. 2014; 24:498-503 e1.
31. Ragsdale JR. **Critically Engaging "Mutually Engaged Supervisory Processes" -- A Response**. *J Pastoral Care Counsel*. 2014; 68:1-4.
32. Rushton FE, Kraft C. **Building brains, forging futures: the pediatrician's role**. *Int J Adolesc Med Health*. 2014; 1:3-7.
33. Sauers HS, Beck AF, Kahn RS, Simmons JM. **Increasing recruitment rates in an inpatient clinical research study using quality improvement methods**. *Hosp Pediatr*. 2014; 4:335-41.
34. Spanier AJ, Beck AF, Huang B, McGrady ME, Drotar DD, Peake RW, Kellogg MD, Kahn RS. **Family hardships and serum cotinine in children with asthma**. *Pediatrics*. 2015; 135:e416-23.
35. Spanier AJ, Kahn RS, Kunselman AR, Schaefer EW, Hornung R, Xu Y, Calafat AM, Lanphear BP. **Bisphenol a exposure and the development of wheeze and lung function in children through age 5 years**. *JAMA Pediatr*. 2014; 168:1131-7.
36. Sroka MC, Vannest J, Maloney TC, Horowitz-Kraus T, Byars AW, Holland SK, Consortium CA. **Relationship between receptive vocabulary and the neural substrates for story processing in preschoolers**. *Brain Imaging Behav*. 2015; 9:43-55.
37. Stevens TP, Finer NN, Carlo WA, Szilagyi PG, Phelps DL, Walsh MC, Gantz MG, Lupton AR, Yoder BA, Faix RG, Newman JE, Das A, Do BT, Schibler K, Rich W, Newman NS, Ehrenkranz RA, Peralta-Carcelen M, Vohr BR, Wilson-

- Costello DE, Yolton K, Heyne RJ, Evans PW, Vaucher YE, Adams-Chapman I, McGowan EC, Bodnar A, Pappas A, Hintz SR, Acarregui MJ, Fuller J, Goldstein RF, Bauer CR, O'Shea TM, Myers GJ, Higgins RD, Health SSGotEKSNloC, Human Development Neonatal Research N. **Respiratory outcomes of the surfactant positive pressure and oximetry randomized trial (SUPPORT)**. *J Pediatr*. 2014; 165:240-249 e4.
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39. Ware JL, Webb L, Levy M. **Barriers to breastfeeding in the African American population of Shelby County, Tennessee**. *Breastfeed Med*. 2014; 9:385-92.
40. Warrick D, Gonzalez-Del-Rey J, Hall D, Statile A, White C, Simmons J, Wong SP. **Improving resident handoffs for children transitioning from the intensive care unit**. *Hosp Pediatr*. 2015; 5:127-33.
41. Watkins DJ, Eliot M, Sathyanarayana S, Calafat AM, Yolton K, Lanphear BP, Braun JM. **Variability and predictors of urinary concentrations of phthalate metabolites during early childhood**. *Environ Sci Technol*. 2014; 48:8881-90.
42. Yolton K, Cornelius M, Ornoy A, McGough J, Makris S, Schantz S. **Exposure to neurotoxicants and the development of attention deficit hyperactivity disorder and its related behaviors in childhood**. *Neurotoxicol Teratol*. 2014; 44:30-45.
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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 Director, Research Section; 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, Assistant Professor

Research Interests Early childhood mental health.

Kristen Copeland, MD, Associate Professor

Leadership Director, NRSA General Pediatric Research Fellowship in Child and Adolescent Health

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

Nick DeBlasio, MD, MEd, Assistant Professor

Leadership Director, resident continuity clinic at PPC and Hopple Street Health Center; Assoc Medical Director, PCC

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

Emanuel Doyne, MD, Professor Emeritus

Michelle French, MD, Assistant Professor

Leadership Interim Director, Complex Care Center

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; community physician liaison for the Health Network by Cincinnati Children's Hospital; PCMH Learning Collaborative Steering Committee; Medical Director, Cincinnati Pediatric Research Group

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

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 Associate Director, Division of General & Community Pediatrics; Faculty Lead, Population/Community Health Initiative, Anderson Center; Associate Chair for Community Health

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; Director, Primary Care and Community Pathways for 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.

Mona E Mansour, MD, MS, Professor

Leadership Director, Section of Primary Care and School Health; Associate Director, Division of General and Community Pediatrics

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, Assistant Professor

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, Assistant Professor

Leadership Team Leader for PPC III Care Improvement Project

Research Interests Global health education; preventative health; ill care access and delivery; resident education in general pediatrics.

Kimberly Yolton, PhD, Associate Professor

Leadership Assoc Program Director, NRSA Primary Care Research Fellowship in Child & Adolescent Health

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.

Emily Harris, MD, MPH, (Child Psychiatry & Behavior Neuroscience)

Research Interests General pediatrics; child and adolescent mental health issues.

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**
- **Emily Eagen, MD**
- **Maureen Gallagher, MD**
- **Jennifer Hardie, MD**
- **Gretchen Hartz, MD**, Co-Medical Director, Children's Health Care
- **Megan Hennigan, MD**
- **Elisabeth Kelley, MD**
- **Katie Kerrey, MD**
- **Jill Klein, MD**
- **Carrie McIntyre, MD**
- **Mary Beth Pero, MD**
- **Sheldon Polonsky, MD**
- **Andrew Poltrack, MD**, Co-Medical Director, Children's Health Care
- **Sarah Revis, MD**
- **Ellen Springer, MD**
- **Tracy Tiller, MD**
- **Julie Ware, MD**

Trainees

- **Stephen Becker, PhD**, PGY 0, Miami University
- **Stephanie Donauer, PhD**, PGY 1, University of Cincinnati
- **Annie Garner, PhD**, PGY 2, University of Alabama at Birmingham
- **John Hutton, MD**, PGY 5, University of Cincinnati
- **Roohi Kharofa, MD**, PGY 5, University of Cincinnati
- **Joanna Thomson, MD**, PGY 6, St. Louis University

Grants, Contracts, and Industry Agreements

Grant and Contract Awards

Annual Direct

Beck, A

Inpatient Asthma Care for Children: Adding a Place-Based Community Focused Approach

National Institutes of Health

K23 AI112916

8/4/2014-7/31/2019

\$121,750

Brinkman, W

Developing New Technologies to Improve ADHD Medication Continuity

National Institutes of Health

R34 MH101155

4/1/2014-3/31/2017

\$150,000

Collaborative Ohio Inquiry Network (COIN)

Agency for Healthcare Research and Quality(University of Cincinnati)

P30 HS921648

9/01/2014-8/31/2015

\$3,188

Brown, C

Good4Growth Learning Collaborative

American Academy of Pediatrics

1/1/2015-6/30/2015

\$6,465

Copeland, K

NRSA Research Fellowship Training

Health Resources & Services Administration

T32 HP10027

7/1/2011-6/30/2016

\$368,301

Study on Nutrition and Wellness Quality in Child Care Settings (SNAQCS)

Abt Associates (United States Department of Agriculture)

AG-3198-S-14-003

9/30/2014-9/29/2019

\$116,486

Donauer, S

Exposure to Environmental Toxicants During Pregnancy and Subsequent Vaccine Response in Offspring

National Institutes of Health(University of Cincinnati)

P30 ES006096

7/01/2014-6/30/2015

\$4,000

Kalkwarf, H

Exposure and Development of Poor Bone Health among African American Women

National Institutes of Health(University of Cincinnati)

R01 ES024074

6/9/2014-3/31/2018

\$83,813

Bone Mineral Accretion in Young Children

National Institutes of Health

R01 HD076321

9/30/2013-7/31/2018

\$849,132

Klein, M

Faculty Development in Primary Care

Health Resources & Services Administration

9/30/2014-9/29/2016

\$161,277

Kraft, C

Coordinating All Resources Effectively for Children with Medical Complexity

Centers for Medicare/Medicaid Services(Children's National Medical Center)

9/1/2014-8/31/2015

\$533,609

Newman, N

Pediatric Asthma Faculty Champion Initiative

National Environmental Education Foundation

9/1/2012-8/31/2015

\$2,083

Pediatric Environmental Health Speciality Unit Affiliate

US Environmental Protection Agency(University of Illinois)

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

American Pediatric Association

4/01/2014-3/31/2015

\$4,890

Ware, J**Disparities in Breastfeeding and Infant Mortality -What Can Be Done?**

American Academy of Pediatrics

5/01/2015-4/30/2016

\$2,000

Yolton, K**Prenatal Sex Steroids, Bisphenol A, Phthalates, and Sexually Dimorphic Behaviors**

Brown University

R00 ES020346

2/01/2014-1/31/2016

\$10,063

Longitudinal Study of Exposure to PBDEs and PFCs and Child Neurobehavior

University of Cincinnati

R01 ES020349

5/01/2014-4/30/2016

\$25,800

Endocrine Disrupting Chemicals, Thyroid Hormones, and Child Neurobehavior

Brown University

R01 ES024381

6/01/2015-3/31/2019

\$105,874

Current Year Direct**\$2,562,273****Industry Contracts****Lucky, A**

Scioderm Inc

\$7,007

Shire Human Genetic Therapies Inc

\$9,009

Fibrocell Science

\$80,172

Current Year Direct Receipts**\$96,188****Total****\$2,658,461**

Link Between Housing Code Violations and Asthma Morbidity Informs Better Care, Improved Outcomes



Andrew Beck, MD, MPH

PUBLISHED NOVEMBER 2014
Health Affairs

Community housing code enforcement agencies collect and own critical data about the presence of mold or cockroaches that can help pediatricians identify clusters of asthma-related morbidity among children and better target care for children with asthma.

The critical role played by housing agency data is identified in a November 2014 *Health Affairs* study by Andrew Beck, MD, MPH, of the Division of General and Community Pediatrics, and the Virginia-based Project HOPE: The People-to-People Health Foundation, Inc.

Geo-mapping tools helped Beck and his team identify a link between the density of housing code violations — reports that logged the presence of mold or cockroaches, both of which are known asthma triggers — and asthma morbidity, based on asthma-related emergency department visits and hospitalizations.

Independent of poverty, code violation density explained 22 percent of the variation in asthma utilization rates across the areas studied. Children who had been hospitalized for asthma had an 84 percent increased chance of returning to the emergency department or being rehospitalized within 12 months if they lived in areas with the highest rates of housing code violations, compared to children living in low-density areas for violations.

Beck's study involved 4,355 children, ages 1-16, who were hospitalized or received emergency room treatment for asthma at Cincinnati Children's over nearly four years.

"Integrating housing and health data could highlight at-risk areas and patients for targeted interventions," says Beck.

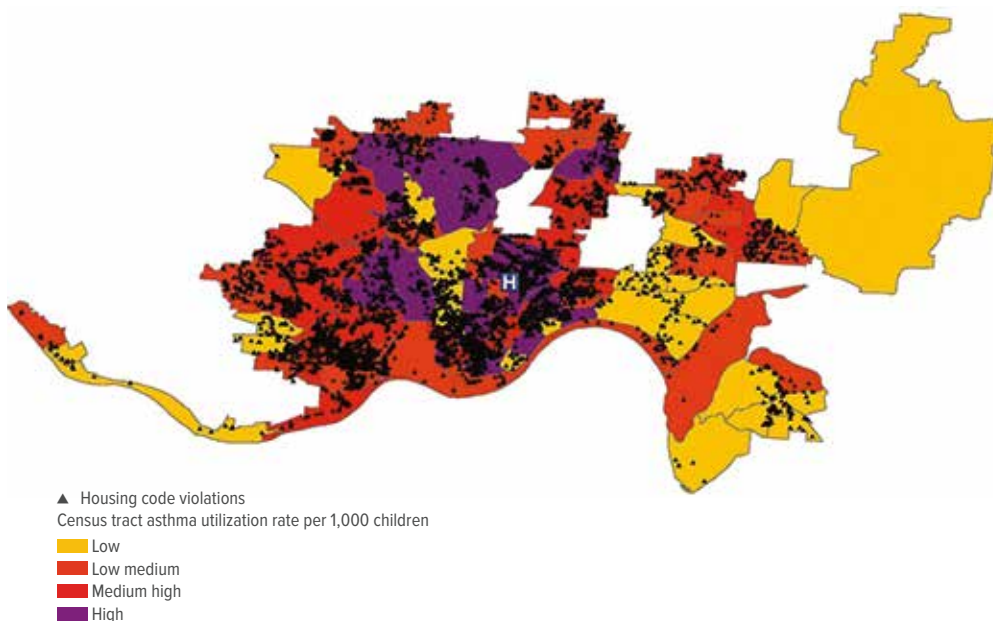
Housing data also could be used to study health disparities that occur in small geographic areas, identify medically at-risk areas for programs to improve housing conditions, incorporate into patients' electronic health records for improved clinical care, or inform health systems' strategies in support of preventive medicine and accountable care.

RESEARCH AND TRAINING DETAILS

Faculty	27
Joint Appointment Faculty	6
Research Fellows	3
Support Personnel	35
Direct Annual Grant Support	\$2.5M
Direct Annual Industry Support	\$96,188
Peer Reviewed Publications	42

Beck AF, Huang B, Chundur R, Kahn RS. Housing code violation density associated with emergency department and hospital use by children with asthma. *Health Aff (Millwood)*. 2014;33(11):1993-2002.

ASTHMA UTILIZATION AND HOUSING CODE VIOLATIONS



*Calculated from 8,736 emergency department visits and hospitalizations in 113 Greater Cincinnati census tracts between 2009-2012

This map shows an association between high rates of asthma-related Emergency Department visits and hospital admissions and the location and density of housing code violations within Greater Cincinnati census tracts. The “low” asthma utilization rate category represents census tracts with fewer than 21.3 utilizations per 1,000 children per year; “low medium” reflects 21.3-33.0; “high medium” is 33.0-47.5; and “high” areas include more than 47.5 utilizations per 1,000 children per year.

Children who had been hospitalized for asthma had an 84 percent increased chance of returning to the emergency department or being rehospitalized within 12 months if they lived in areas with the highest rates of housing code violations.