

Division of General And Community Pediatrics

DIVISION PROFILE	
Number of Faculty	27
Number of Joint Appointment Faculty	1
Number of Staff Physicians	23
Number of Fellows	
Clinical Fellows	5
Research Fellows	1
Number of Support Personnel	96
Annual Total Grant Support (direct)	\$3,042,311
Annual Total Industry Contracts (direct)	\$23,692
Number of Peer Reviewed Publications	29
Patient Encounters	
Outpatient	86,268*
Inpatient	3,878

** Includes 24,855 BMF visits, an affiliate of General Pediatrics*

FACULTY LISTING

Thomas G. DeWitt, MD, Carl Wehl Professor of Pediatrics, Director of Division of General and Community Pediatrics; Associate Chair for Education and Primary Care

Raymond C. Baker, MD, MEd, Professor of Clinical Pediatrics, Director, Section of Education

Jeanne L. Ballard, MD, Associate Professor of Clinical Pediatrics

Paul S. Bellet, MD, Professor of Pediatrics Emeritus

Omer G. Berger, MD, Professor of Pediatrics Emeritus

Jeralyn A. Bernier, MD, MPH, Adjunct Assistant Professor of Clinical Pediatrics, Research Director, Cincinnati Pediatric Research Group

Christopher F. Bolling, MD, Associate Professor of Clinical Pediatrics, Medical Director, HealthWorks!

Anita Cavallo, MD, Professor of Pediatrics Emerita

Kristen A. Copeland, MD, Research Instructor

Emanuel O. Doyne, MD, Adjunct Professor, Director, Section of Community Pediatrics

Sheela R. Geraghty, MD, MS, Research Assistant Professor

Richard Hornung, DrPH, Research Professor

Robert Ingberg, MD, Professor of Pediatrics Emeritus

Robert S. Kahn, MD, MPH, Associate Professor of Pediatrics, Director, Research Section

Heidi J. Kalkwarf, PhD, Research Associate Professor of Pediatrics

Bruce P. Lanphear, MD, MPH, Professor of Pediatrics; The Sloan Chair for Children's Environmental Health; Director, Cincinnati Children's Environmental Health Center

Kadriye O. Lewis, EdD, Field Service Assistant Professor, Program Coordinator, Masters in Medical Education

Mona E. Mansour, MD, MS, Assistant Professor of Clinical Pediatrics, Director, Primary Care; Director, School Health

Christine E. McHenry, MD, MATS, Professor of Clinical Pediatrics

Stephen E. Muething, MD, Associate Professor of Clinical Pediatrics, Director, Section of Clinical Services

Rebecca R. Phillips, PhD, Field Service Associate Professor, Vice President of Education and Training

Robert A. Rinsky, PhD, Adjunct Professor

Rosemary E. Schmidt, MD, Professor of Pediatrics Emerita

Robert M. Siegel, MD, Adjunct Professor, Medical Director, Cincinnati Pediatric Research Group

Jeffrey M. Simmons, MD, Instructor of Clinical Pediatrics

Michael T. Vossmeier, MD, Assistant Professor of Clinical Pediatrics, Medical Director, Generalist Inpatient Service

Kimberly Yolton, PhD, Research Assistant Professor

FACULTY JOINT APPOINTMENT LISTING

Michael S. Yi, MD., MSc, Assistant Professor of Clinical Medicine and Pediatrics, Internal Medicine

STAFF PHYSICIAN LISTING

Kathleen S. Bain, MD
Jean M. Beischel, MD, Medical Director, Children's Health Center
Deborah A. Boyd, MD
Scott R. Callahan, MD
Cindi DeLaat, MD
Dena Elkeeb, MD
Anne Marie Fitz, MD
Amy B. Guiot, MD
Elixabeth A. Kellye, MD, Medical Director, Children's Health Center
Melissa Klein, MD, Medical Director, PPC
Carrie J. Larason, MD
Deborah L. Mack, MD
Mary Beth Pero, MD
Andrew F. Poltrack, MD
Sarah Riddle, MD
Irina Rybalsky, MD
Zeina Samaan, MD, Medical Director, PPC
Denise Somsak, MD
Gregora A. Szumlas, MD
Tracy Tiller, MD
Bertha Tsai-Tulagan, DO
Joseph Tulagan, MD
Pamela Williams-Arya, DO

OVERVIEW

The mission of the Division of General and Community Pediatrics is to improve child health through excellence and leadership in general pediatric health care, education, research and advocacy which values family, the contributions of division members and promotes shared commitment and community collaboration. The staff includes four emeritus, twenty-two fulltime or adjunct faculty, consisting of sixteen MD's, four PhD's, one DrPH and one EdD, twenty-three staff physicians, and thirty-three volunteer community faculty. There are four sections, Clinical Care, Education, Research, and Community Pediatrics. Clinically, it provides comprehensive general pediatric primary care to a large population of children in the Cincinnati area, and referral inpatient and consultative care to southern Ohio, southeastern Indiana, and northern Kentucky. CCHMC's direct primary care network with sites at CCHMC, Hopple Street, and Batesville/Greenburg, Indiana as well as four school health centers had 64,000 patient visits last year. It also works collaboratively with Babies Milk Fund to provide an additional 25,000 visits. The Generalist Inpatient Service (GIS), with almost 4,000 admissions a year, provides the majority of general inpatient care with patients both from referring community physicians and the division's primary care population. A diagnostic clinic provides second opinion assessments at the request of regional community physicians while breastfeeding support services have been moved to CCHMC and expanded. Educationally, the division has continued to expand its web-based Masters in Education program and community-based experiences for residents and medical students, and hosts local and national faculty development programs for community and full-time faculty. The Research Section has ongoing research in environmental health, focusing on lead exposure, asthma, human lactation, calcium metabolism and bone formation, school health, and the epidemiology and preventive issues of obesity and maternal/child health. It also studies issues related to community-based practice and continues a highly successful federally funded three year fellowship program. Community Section volunteer faculty play an important academic role as preceptors and research collaborators in the division's training and research activities.



Left to Right: (1st row) K. Wosje, A. Spanier, D. Elkeeb, R. Phillips, O. Berger, J. Castillo, B. Lanphear, Z. Samaan (2nd row) S. Muething, K. Yolton, M. Klein, R. Kahn, T. DeWitt, K. Lewis, S. Riddle, K. Copeland, C. Bolling, S. Geraghty, G. Szumlas, A.M. Fitz, A. Guiot (3rd row) K.J. Phelan, R. Baker, M. Mansour, B. Brinkman, M. Vossmeier

HIGHLIGHTS

Prevention and treatment of, and research on, obesity have become an increasing focus in the Division of General and Community Pediatrics. Research efforts include analyses of longitudinal data bases tracking obesity parameters by Drs. Kalkwarf, Wosje and Bolling. Dr. Copeland is actively involved in determining the effect of physical activity in child care settings on growth. Dr. Bolling is also involved in obesity prevention efforts carried out by primary care providers. Dr. Mansour works closely with the Cincinnati Public School system and the Cincinnati Health Department in the development of school-based interventions working to improve fitness and overall health. The Cincinnati Pediatric Research Group based in the division has been actively involved in a variety of obesity related projects, including a study comparing low glycemic index, traditional low calorie, and low carbohydrate diets, completing a low carbohydrate study funded by the Atkins Foundation, and developing nutrition information cards to be used as controls in other dietary interventions.

Clinically, the division, in collaboration with the Division of Cardiology and other divisions in the institution, is integrating and expanding services for overweight children. Division members have been working to create a centralized obesity referral process to ease access to institutional services. By collaborating with surgical and medical divisions, the division of General and Community Pediatrics is enhancing CCHMC's standing as a comprehensive center for weight management programs.

The division has been actively involved in obesity education programs for the residency and the community at large. Obesity education for residents, medical staff and community centers on behavioral interventions, emerging evidence-based obesity prevention and treatment programs, treatment of co-morbidities and physiologic sequelae of obesity. Division members have also been participants in policy setting programs on the state (Ohio and Kentucky) and regional (Southeastern Legislative Caucus) levels.

In a related field, breastfeeding support services and research at Cincinnati Children's have grown tremendously under the direction of Sheela Geraghty, MD, MS. Dr. Geraghty completed the General Academic Fellowship program at Cincinnati Children's in 2003 and is now is an Assistant Professor of Pediatrics in the Divisions of General and Community Pediatrics and the Center for Epidemiology and Biostatistics. Dr. Geraghty is the Medical Director of the Cincinnati Children's Center for Breastfeeding

Medicine and her clinical and research interests are in the area of improving breastfeeding outcomes for mothers and infants.

Inpatient lactation consultation is now available for all breastfeeding mother-infant dyads. Referrals from the entire Greater Cincinnati region are seen to the Cincinnati Children's Breastfeeding Medicine Clinic, which is one of the first lactation clinics in the country to use electronic medical record documentation and allow for same-day consultation reports to be sent to referring physicians. Trained at the highest level of lactation certification, Dr. Geraghty has an additional expertise in helping breastfeeding mothers of twins and triplets. At the Pediatric Primary Care Clinic Dr. Geraghty spends a great deal of "hands-on" time with low income mothers of newborns teaching them to breastfeed.

Recently, Dr. Geraghty was awarded a Mentored Patient-Oriented Research Career Development Award from the National Institute of Environmental Health Sciences (1 K23 ES014691) to study the effects of environmental chemicals in breast milk on lactation outcomes. Her mentors for this project include Drs. Bruce Lanphear and Ardythe Morrow. Dr. Geraghty will be using human milk samples from the Cincinnati Children's Environmental Health Center and Research Human Milk Bank. The Research Human Milk Bank, which Dr. Geraghty helped establish, is the only research milk repository in the country and provides milk samples to scientists internationally.

This year, Dr. Geraghty was invited to speak at the 21st Japanese Society of Breastfeeding Research in Suwa, Japan. Dr. Geraghty also was awarded a grant to establish the Mother's Milk Bank of Ohio, Cincinnati Partnership in which women in the Greater Cincinnati area can donate their extra milk to be pasteurized and subsequently fed to sick and premature infants. She also serves as Cincinnati Children's media representative on all breastfeeding related issues and has spoken to the Ohio state legislative body in support of favorable breastfeeding laws.

TRAINING

Karen S. Wosje, PhD	PL-III	South Dakota State University
Jonathan Castillo Porter, MD	PL-IV	Cincinnati Children's Hospital Medical Center
Adam J. Spanier, MD, MPH	PL-VI	Rainbow Babies & Children's Hospital
William B. Brinkman, MD	PL-VII	Children's Memorial Hospital, Chicago, IL
Kristen A. Copeland, MD	PL-VII	Cincinnati Children's Hospital Medical Center
Tanya E. Froehlich, MD	PL-VII	Children's Hospital of Philadelphia

GRANTS, CONTRACTS AND INDUSTRY AGREEMENTS

Grant and Contract Awards	Annual Direct/Project Period	Direct
Baker, R		
Faculty Development in Pediatric Primary Care Health Resources and Services Administration		
D55 HP 00228	07/01/03 – 06/30/06	\$75,969/\$345,972
Academic Administrative Units in Primary Care Health Resources and Services Administration		
D54 HP 05463	09/01/05 – 08/31/08	\$145,269/\$518,904
Froehlich, T		
ADHD, Its Subtypes and Comorbidity in a Nationally Representative Sample Ambulatory Pediatrics Association		
	07/01/05 – 06/30/06	\$8,484
Geraghty, S		
Role of Environmental Chemicals on Lactation Outcomes National Institutes of Health		
K23 ES 014691	06/01/06 – 05/31/11	\$117,246/\$585,108

Hornung, R		
Health Effects of Occupational Exposures in PGDP National Institutes of Health (University of Louisville subcontract) R01 OH 007650	11/01/05 – 06/30/08	\$56,302/\$143,662
Epi Survey of Iowa Ammunition Plant Workers Department of Defense (University of Iowa subcontract) DAAD05-02-P-1124	11/01/05 – 07/31/07	\$14,311/\$34,313
Hemorrhagic and Ischemic Stroke Among Blacks and Whites National Institutes of Health (University of Cincinnati subcontract) R01 NS 030678	11/01/05 – 06/30/09	\$10,168/\$60,359
Familial Intracranial Aneurysm National Institutes of Health (University of Cincinnati subcontract) R01 NS 039512	11/01/05 – 07/31/07	\$19,065/\$38,750
Kahn, R		
Parental Resources and Child Wellbeing National Institutes of Health (Princeton University subcontract) R01 HD 042241	05/01/06 – 08/31/06	\$26,860
Childhood Asthma in the Era of Genomics: Will the Generalist's Role Need to be Recast? Robert Wood Johnson Foundation D55 HP 00228	07/01/04 – 06/30/08	\$51,959/\$296,647
Kalkwarf, H		
Bone Mineral Density in Childhood Study Clinical Center National Institutes of Health N01 HD 013329	08/01/01 – 07/31/06	\$182,953/\$807,523
Structural Effects of Renal Osteodystrophy During Growth National Institutes of Health (Children's Hospital of Philadelphia subcontract) R01 HD 040714	03/01/02 – 02/28/07	\$53,111/\$424,070
Lanphear, B		
Fellows Training Program – Institutional National Research Service Award Health Resources and Services Administration T32 PE 010027	07/01/03 – 06/30/08	\$363,520/\$1,830,773
Study of Prevalent Neurotoxicants in Children National Institutes of Health P01 ES 011261	09/30/01 – 08/31/06	\$500,000/\$3,143,691
Lanphear, B	\$180,033	Administrative Core
Ris, M	\$50,299	Neuro Core
Roda, Sandy	\$78,714	Lab Core
Hornung, Richard	\$125,434	Data Core
Beare, Cynthia	\$60,403	Project 2
Study of Prevalent Neurotoxicants in Children – Supplement National Institutes of Health/HUD P01 ES 011261	09/30/01 – 08/31/06	\$492,959/\$1,801,921
Study of Prevalent Neurotoxicants in Children Environmental Protection Agency R82938901-0	11/01/01 – 10/31/06	\$500,000/\$2,502,000
Lanphear, B	\$181,515	Project 1
Lanphear, B	\$134,144	Project 3
Ris, M	\$141,463	Project 4
Cecil, K	\$103,996	Project 5
National Children's Study Vanguard Center National Institutes of Health (South Dakota State University subcontract)	11/01/05 – 10/31/10	\$66,674/\$659,159

Siegel, R		
Office-Based Atkins Diet Intervention in Children		
Atkins Foundation		
	07/01/04 – 06/30/08	\$87,445/\$261,966
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Mansour, M		
Rockdale School-Based Health Center Challenge Grant		
The Health Foundation of Great Cincinnati		
	01/01/03-12/31/05	\$60,873/\$287,777
Burton School-Based Health Center Challenge Grant		
The Health Foundation of Great Cincinnati		
	09/01/02-8/31/05	\$39,199/\$350,000
South Avondale School-Based Health Center Challenge Grant		
The Health Foundation of Great Cincinnati		
	09/01/02-8/31/05	\$100,390/\$350,000
Healthy Schools Healthy Communities – Taft		
Health Resources and Services Administration- Neighborhood Health Care subcontract		
	09/01/02-12/31/05	\$69,554/\$215,950
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	Current Year Direct	\$3,042,311
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Industry Contracts		
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Lanphear, Bruce		
National Center for Healthy Housing		\$23,692
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	Current Year Direct Receipts	\$23,692
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	TOTAL	\$3,066,003

PUBLICATIONS

1. Copeland KA, Duggan AK, Shope TR. Knowledge and beliefs about guidelines for exclusion of ill children from child care. *Ambul Pediatr* 2005;5(6):365-71.
2. Dungy CI, DeWitt TG, Nelson KG. Securing a faculty position: a practical guide for residents, fellows, junior faculty, and their mentors. *Ambul Pediatr* 2005;5(4):235-9.
3. Geraghty SR, Khoury JC, Kalkwarf HJ. Human milk pumping rates of mothers of singletons and mothers of multiples. *J Hum Lact* 2005;21(4):413-20.
4. Kerrey BT, Morrow A, Geraghty S, Huey N, Sapsford A, Schleiss MR. Breast milk as a source for acquisition of cytomegalovirus (HCMV) in a premature infant with sepsis syndrome: Detection by real-time PCR. *J Clin Virol* 2006;35(3):313-6.
5. Martin LJ, Woo JG, Geraghty SR, Altaye M, Davidson BS, Banach W, Dolan LM, Ruiz-Palacios GM, Morrow AL. Adiponectin is present in human milk and is associated with maternal factors. *Am J Clin Nutr* 2006;83(5):1106-11.
6. Embi PJ, Jain A, Clark J, Bizjack S, Hornung R, Harris CM. Effect of a clinical trial alert system on physician participation in trial recruitment. *Arch Intern Med* 2005;165(19):2272-7.
7. Heaton PC, Guo JJ, Hornung RW, Johnston JA, Jang R, Moomaw CJ, Cluxton RJ. Analysis of the effectiveness and cost benefit of leukotriene modifiers in adults with asthma in the Ohio Medicaid population. *J Manag Care Pharm* 2006;12(1):33-42.
8. Mathis BR, Diers T, Hornung R, Ho M, Rouan GW. Implementing duty-hour restrictions without diminishing patient care or education: can it be done? *Acad Med* 2006;81(1):68-75.
9. Ferris TG, Kuhlthau K, Ausiello J, Perrin J, Kahn R. Are minority children the last to benefit from a new technology? Technology diffusion and inhaled corticosteroids for asthma. *Med Care* 2006;44(1):81-6.

10. Kahn RS, Wilson K, Wise PH. Intergenerational health disparities: socioeconomic status, women's health conditions, and child behavior problems. *Public Health Rep* 2005;120(4):399-408.
11. Whitaker RC, Orzol SM, Kahn RS. Maternal Mental Health, Substance Use, and Domestic Violence in the Year After Delivery and Subsequent Behavior Problems in Children at Age 3 Years. *Arch Gen Psychiatry* 2006;63(5):551-560.
12. Kalkwarf HJ. Calcium in pregnancy and lactation. In: Weaver C, Heaney RP, editors. *Calcium in human health*. Totowa, N.J.: Humana Press; 2006. p. 297-312.
13. Thomas SR, Kalkwarf HJ, Buckley DD, Heubi JE. Effective dose of dual-energy X-ray absorptiometry scans in children as a function of age. *J Clin Densitom* 2005;8(4):415-22.
14. Khatri P, Neff J, Broderick JP, Khoury JC, Carrozzella J, Tomsick T. Revascularization end points in stroke interventional trials: recanalization versus reperfusion in IMS-I. *Stroke* 2005;36(11):2400-3.
15. Kleindorfer D, Khoury J, Kissela B, Alwell K, Woo D, Miller R, Schneider A, Moomaw C, Broderick JP. Temporal trends in the incidence and case fatality of stroke in children and adolescents. *J Child Neurol* 2006;21(5):415-8.
16. Sauerbeck LR, Khoury JC, Woo D, Kissela BM, Moomaw CJ, Broderick JP. Smoking cessation after stroke: education and its effect on behavior. *J Neurosci Nurs* 2005;37(6):316-9, 325.
17. Woo D, Kaushal R, Chakraborty R, Woo J, Haverbusch M, Sekar P, Kissela B, Pancioli A, Jauch E, Kleindorfer D, Flaherty M, Schneider A, Khatri P, Sauerbeck L, Khoury J, Deka R, Broderick J. Association of apolipoprotein E4 and haplotypes of the apolipoprotein E gene with lobar intracerebral hemorrhage. *Stroke* 2005;36(9):1874-9.
18. Woo D, Sekar P, Chakraborty R, Haverbusch MA, Flaherty ML, Kissela BM, Kleindorfer D, Schneider A, Khoury J, Sauerbeck LR, Deka R, Broderick JP. Genetic Epidemiology of Intracerebral Hemorrhage. *J Stroke Cerebrovasc Dis* 2005;14(6):239-243.
19. Bernstein JA, Levin L, Crandall MS, Perez A, Lanphear B. A pilot study to investigate the effects of combined dehumidification and HEPA filtration on dew point and airborne mold spore counts in day care centers. *Indoor Air* 2005;15(6):402-7.
20. Eggleston PA, Diette G, Lipsett M, Lewis T, Tager I, McConnell R, Chrischilles E, Lanphear B, Miller R, Krishnan J. Lessons Learned for the Study of Childhood Asthma from the Centers for Children's Environmental Health and Disease Prevention Research. *Environ Health Perspect* 2005;113(10):1430-6.
21. Eskenazi B, Gladstone EA, Berkowitz GS, Drew CH, Faustman EM, Holland NT, Lanphear B, Meisel SJ, Perera FP, Rauh VA, Sweeney A, Whyatt RM, Yolton K. Methodologic and logistic issues in conducting longitudinal birth cohort studies: lessons learned from the Centers for Children's Environmental Health and Disease Prevention Research. *Environ Health Perspect* 2005;113(10):1419-29.
22. Lanphear BP, Hornung R, Khoury J, Yolton K, Baghurst P, Bellinger DC, Canfield RL, Dietrich KN, Bornschein R, Greene T, Rothenberg SJ, Needleman HL, Schnaas L, Wasserman G, Graziano J, Roberts R. Low-level environmental lead exposure and children's intellectual function: an international pooled analysis. *Environ Health Perspect* 2005;113(7):894-9.
23. Nagaraja J, Menkedick J, Phelan KJ, Ashley P, Zhang X, Lanphear BP. Deaths from residential injuries in US children and adolescents, 1985-1997. *Pediatrics* 2005;116(2):454-61.
24. Wigle DT, Lanphear BP. Human health risks from low-level environmental exposures: no apparent safety thresholds [online]. *PLoS Med* 2005;2(12):e350. Available at <http://medicine.plosjournals.org/>.
25. Lewis KO, Baker RC. Physician contribution developing an online master's degree in education program for health care professionals [online]. *J Educators Online* 2006;3(1):np. Available at <http://www.thejeo.com/>.
26. Lewis KO, Swami P. Online master's degree in education for physicians and other health care professionals. *Indian J Open Learn* 2006;15(2):127-139.
27. Rose BL, Mansour M, Kohake K. Building a partnership to evaluate school-linked health services: the Cincinnati School Health Demonstration Project. *J Sch Health* 2005;75(10):363-9.

28. Spanier A, Lanphear BP. Follow-up testing among children with elevated screening blood lead levels. *J Pediatr* 2005;147(5):708-9.
29. Dietrich KN, Eskenazi B, Schantz S, Yolton K, Rauh VA, Johnson CB, Alkon A, Canfield RL, Pessah IN, Berman RF. Principles and practices of neurodevelopmental assessment in children: lessons learned from the Centers for Children's Environmental Health and Disease Prevention Research. *Environ Health Perspect* 2005;113(10):1437-46.

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