2014 Research Annual Report

Behavioral Medicine and Clinical Psychology

Significant Accomplishments

Cognitive Behavior Therapy helps children with migraines
An estimated 20 percent of children experience chronic pain and yet, children are one of the most underserved of all pain populations. Our researchers and clinicians have been leaders in developing evidence-based approaches to treating pediatric chronic pain. Last year, a randomized trial led by Susmita Kashikar-Zuck, PhD, showed that cognitive behavior therapy (CBT) produced strong improvements in daily functioning. This year, a randomized trial led by Scott Powers, PhD, ABPP, demonstrated that medication plus CBT resulted in a five-fold decrease in chronic migraines for children compared to medication alone. Anne Lynch-Jordan, PhD, also demonstrated that children with chronic pain treated with CBT in our clinical pain service showed rapid improvements in daily functioning even prior to pain reduction. Powers’ findings were published as a featured article in the Journal of the American Medical Association (JAMA), which included online video interviews and an accompanying editorial highlighting the importance of these findings.

Translating findings into practice
Our Outpatient Behavioral Pain Management Service is an ideal example of how we work to shorten the estimated 17 years it can take to move an innovative treatment into routine clinical care. Our program includes four psychologists who focus on treating pain, with additional psychologists and advanced trainees incorporating behavioral pain management into their clinical work. We also have pain psychologists embedded...
in the Division of Neurology’s Headache Center and in the Department of Anesthesiology’s Pain Management Center. Our outcome data show that 84 percent of outpatients treated with CBT for pain management demonstrate significant improvement in functioning and/or pain.

For inpatients with chronic intractable pain, Sara Williams, PhD, worked with Anesthesiology and Physical Medicine and Rehabilitation to develop an intensive pain rehabilitation program. In its first eight months, the program has demonstrated 80 percent success in improving patients’ day-to-day functioning despite pain. Our pain psychologists also provide group-based behavioral pain management treatment as part of an intensive physical therapy summer program for youth with joint hypermobility.

**Improving treatment adherence**

Our Center for Adherence and Self-Management, launched in 2007 under the leadership of Dennis Drotar, PhD, has become the nationally recognized leader for treatment adherence and self-management research. Drotar stepped down this year as the center’s director, but not before recruiting a team of talented researchers. The center’s faculty members have secured $11.3 million in NIH funding in the past seven years and have trained 11 fellows, eight PhD-level graduate students, 14 research assistants and 57 undergraduate volunteers.

Avani Modi, PhD, has been named the new director of the Adherence Center. Kevin Hommel, PhD has become associate director and will oversee the NIH award for the nation’s only post-doctoral training program for treatment adherence. Meanwhile, Sandra Cortina, PhD, works with the Anderson Center and the Solid Organ Transplant Program to improve adherence and Ahna Pai, PhD, leads the Wellness Program for the Cancer and Blood Diseases Institute.

**Research Highlights**

Avani Modi, PhD, Shanna Guilfoyle, PhD, Katherine Junger, PhD

In 2011, a joint collaboration between the Comprehensive Epilepsy Center and Behavioral Medicine & Clinical Psychology led to the development of the Epilepsy Psychosocial Service, which provides universal comprehensive care to all youth with epilepsy given their high risk for psychological comorbidities. Specifically, a three- to six-fold increased risk exists for learning, attentional, behavioral, and mood disorders. Drs. Guilfoyle, Junger, and Modi work side by side with medical colleagues (e.g., epileptologists, nurse practitioners, pharmacists, social workers, and nurses) in the New Onset Seizure and Advanced Therapy clinics to proactively identify and treat a range of psychological disorders that can result from seizures, side effects, or underlying neuropathology. Self-management and adherence to improve epilepsy treatment efficacy are also emphasized.

Epilepsy expert consensus guidelines have implored the need for interdisciplinary care, including routine psychological care. Our Epilepsy Psychosocial Service at Cincinnati Children’s is one of the first in the nation to successfully implement these guidelines to provide holistic evidence-based care within pediatric epilepsy clinics. The success of our program was highlighted in a recent publication (Guilfoyle, Junger, Modi, 2013, Development and Preliminary Implementation of a Psychosocial Service into Standard Medical Care for Pediatric Epilepsy, *Clinical Practice in Pediatric Psychology*) that demonstrated high rates of service acceptability over the first six months of implementation and described how our model could serve as a prototype for other epilepsy centers. Notably, this model has been sustainable and has expanded over time. In line with Cincinnati Children’s strategic initiatives, we use systematic data collection to continuously improve our patient outcomes, including optimizing seizure control, health-related quality of life, and psychological functioning. Finally, we lead NIH-funded clinical trials in pediatric antiepileptic drug adherence, with the
ultimate goal of disseminating evidence-based treatment from the bench to the bedside.

Dean Beebe, PhD
The average American adolescent is chronically sleep-deprived, sleeping one - three hours less on school nights than is recommended. Teens now sleep less than at any other time in modern history, after having undergone a secular decline that is matched neither by younger children nor by adults. Using funds from the NIH and Cincinnati Children’s Hospital Research Foundation, researchers in the Division of Behavioral Medicine and Clinical Psychology have shed new light on the impact of this endemic level of chronic sleep deprivation.

Dr. Beebe’s lab has used experimental methods to show that exposing adolescents for five nights to the low sleep levels experienced by millions of high school students on a regular basis can cause or contribute to poor emotional, behavioral, health, and safety outcomes. The Beebe lab has shown that, after sleep restriction, adolescents were less attentive, had poorer ability to regulate their emotions, learned less in a classroom-like situation, and consumed more calories, especially from unhealthy sweet/dessert foods. Preliminary data also show that such shortened sleep worsens driving skills in a driving simulator, particularly lateral (side-to-side) vehicle control.

His team is conducting more extensive follow-up on these effects, including a study funded by the Ohio Emergency Medical Service which will investigate whether extending the sleep of short-sleeping adolescents on school nights improves driving skills and safety. Findings from this program have inspired similar projects at other institutions looking at the role of sleep in pediatric asthma and type 1 diabetes. Further, it has helped to fuel public health initiatives that promote adolescent sleep spearheaded by the National Sleep Foundation, Ohio Adolescent Health Consortium, and other groups.

Jessica Kichler, PhD
Starting in January 2011 in the Diabetes Clinic, Dr. Jessica Kichler, working as part of the multidisciplinary research team comprised of both endocrinologists and psychologists, implemented into standard care during routine visits a well-defined measure for depression screening, the Children’s Depression Inventory (CDI), as well as objective mental health referral criteria. This process has since expanded to the Cincinnati Children’s Liberty satellite Diabetes Clinic. This screening algorithm includes a guide for the providers’ responses to scores in the low, moderate, and high-risk ranges. Specifically, recommendations include a same-day social work evaluation for scores in the moderate and high-risk ranges. A referral to Behavioral Medicine and Clinical Psychology (BMCP) is also completed for those who score in the high-risk range. Screening has resulted in identification and evaluation of 20% of the population with moderate or elevated CDI scores and 7% endorsing suicidal ideation. The initial feasibility and implementation phase of the quality improvement project was published by members of the multidisciplinary research team in Pediatrics. It was determined that systematic depression screening in adolescents with type 1 diabetes can be reliably implemented and can lead to timely and needed intervention. A systematic approach, such as described in the study, can also serve as a model for other chronic health conditions.

Significant Publications


Cognitive behavioral therapy (CBT) plus amitriptyline for youth ages 10-17 with chronic migraine is safe, effective, and durable, resulting in clinically significant reductions in headache days and disability compared to
an active drug comparator plus education/behavioral placebo control. This NIH-funded trial is relevant as the first report of a successful evidence-based therapy for youth with chronic migraine. Children with migraine very often continue to struggle with this disease as they grow into adulthood. Early, safe and effective interventions which have lasting effects have the potential to change the course of a person’s experience of migraine over time, and to reduce the disability, negative impact on overall quality of life, and health care costs (direct and indirect) associated with such a prevalent condition (10% of youth and up to 28% of young adult women). Now that there is strong evidence for CBT in headache management, CBT should be routinely offered as a first-line treatment for chronic migraine along with medications and not an add-on if medications are not found to be sufficiently effective. Published in JAMA as the feature article in December 2013, this paper has been described by leaders of the American Headache Society as “one of the most clinically relevant headache publications of the last year for all health care providers” from “the well-known Cincinnati Children’s Group” (Headache, May 2014, p. 930-31).


Mothers participating in home visiting programs often bring with them elevated risk for developing major depression. Depression has potentially devastating effects for mothers and their young children, and undermines the effectiveness of home visiting. Yet, depressed mothers in home visiting rarely obtain effective treatment in the community. This article presents findings from a clinical trial of In-Home Cognitive Behavioral Therapy (IH-CBT). IH-CBT was specifically developed to meet the needs of mothers in home visiting. It is provided in the home by masters level clinicians, focused on the unique issues and challenges faced by new mothers, and leverages concurrent home visiting in order to optimize outcomes. The clinical trial found that mothers who received IH-CBT and concurrent home visiting, relative to those who received home visiting alone, reported decreased depressive symptoms, increased social support, decreased psychological distress, and improved functioning following treatment and at three month follow up. IH-CBT is the first evidence-based treatment for depressed mothers in home visiting programs, and is now being adopted by other states as a result of these findings.


This is the first paper to demonstrate the negative impact of non-adherence on seizure outcomes in pediatric epilepsy. Our data indicated that children who are non-adherent to antiepileptic drug therapy in the first six months of treatment were 3.24 times more likely to have seizures 4 year post-diagnosis compared to children with near-perfect adherence. Specifically, at the 4 year post-diagnosis milestone, only 12% of children in the near-perfect adherence group were continuing to experience seizures compared to 31% of children in the non-adherent group. These results suggest that adherence intervention early in the course of treatment could play a role in improving long term seizure freedom rates in children with epilepsy.


This is the first systematic and prospective long-term study of the prognosis of adolescent patients with juvenile fibromyalgia (JFM) as they transition to young adulthood. Results demonstrated that pain and other symptoms persisted into adulthood for 80% of JFM patients with associated impairments in physical functioning and mood. At follow-up, half of the sample met full criteria for adult fibromyalgia (FM). Information from this study raises awareness in the pediatric community that JFM is a long-term condition and early identification and treatment is an important priority.

Motor vehicle crashes result in an estimated 32,788 deaths and 2.8 million injuries per year. Studies of adults with ADHD have shown that having a diagnosis of attention-deficit/hyperactivity disorder (ADHD) dramatically increases one’s risk for being involved in a motor vehicle crash. Using a sample of 61 teens (28 with an ADHD diagnosis and 33 without an ADHD diagnosis), we demonstrated that teens with ADHD exhibited worse driving behavior as evidenced by greater variability in speed and lane position (e.g., leaving one’s lane) than teens without ADHD. Moreover, we demonstrated that across all teens, text messaging while driving dramatically impaired driving performance. This study extends the literature regarding attention-related driving impairments to a newly licensed, adolescent population. This study clearly shows the negative impact of both ADHD diagnosis and cell phone use while driving. This study also suggests the need for targeted interventions to address ADHD-related driving deficits as well as policy changes and increased enforcement to reduce the use of cell phones while driving.

**Division Publications**


64. Langberg JM, Dvorsky MR, Evans SW. What specific facets of executive function are associated with academic functioning in youth with attention-deficit/hyperactivity disorder?. *J Abnorm Child Psychol.* 2013; 41:1145-59.


78. Modi AC, Guilfoyle SM, Rausch J. Preliminary feasibility, acceptability, and efficacy of an innovative


113. Voigt RG, Mellon MW, Katusic SK, Weaver AL, Matern D, Mellon B, Jensen CL, Barbaresi WJ. Dietary


**Faculty, Staff, and Trainees**

**Faculty Members**

**Lori J. Stark, PhD**, Professor

**Leadership** Division Director

**Research Interests** Improving health and nutritional outcomes of children with chronic conditions including cystic fibrosis and obesity through behavioral interventions.

**Robert T. Ammerman, PhD**, Professor

**Leadership** Scientific Director, Every Child Succeeds

**Research Interests** Development of early childhood preventive interventions to promote optimal child development and reduce negative behavioral and health outcomes.

**Cynthia Austin, PhD**, Assistant Professor

**Research Interests** Traumatic Brain Injury; Process, outcomes, and parent satisfaction with pediatric neuropsychological assessment.

**Dean Beebe, PhD**, Professor

**Leadership** Director, Neuropsychology Program
Research Interests Investigating the daytime cognitive, behavioral, and functional neurological effects of pediatric sleep problems.

Heather Bensman, PsyD, Assistant Professor
Research Interests The assessment and treatment of children and adolescents who have experienced trauma (e.g., physical/sexual abuse, neglect, domestic violence)

Kelly Byars, PsyD, Associate Professor
Research Interests The assessment and treatment of pediatric sleep disorders.

Heather Ciesielski, PhD, Assistant Professor
Research Interests Assessment and treatment of Attention Deficit/Hyperactivity Disorder and related issues; Bioethics

Sandra Cortina, PhD, Assistant Professor
Research Interests Understanding and improving adherence to treatment in pediatric chronic illness.

Lori Crosby, PsyD, Associate Professor
Leadership Co-Director, Innovations in Community Research; Director, Training CCTST Community Engagement Core
Research Interests Understanding the impact of psychosocial factors on sickle cell disease, treatment adherence and self-management, the transition to adult care, health outcomes, community-based research, and health disparities.

Dennis Drotar, PhD, Professor
Leadership Director, Center for Adherence and Self-Management
Research Interests Understanding and improving adherence to treatment in pediatric chronic illness.

Jeffrey N. Epstein, PhD, Professor
Leadership Director, Center for ADHD
Research Interests Improving health and behavioral outcomes of children with ADHD through development and dissemination of evidence-based treatments.

Michelle Ernst, PhD, Associate Professor
Research Interests Clinical effectiveness of pediatric psychology interventions within the inpatient pediatric setting; coping with chronic illness.

Stephanie (Spear) Filigno, PhD, Assistant Professor
Research Interests Developing, testing, and disseminating family-based interventions with an early intervention focus to improve the outcomes for young children with cystic fibrosis and obesity, quality improvement, team-based management of psychosocial risk in CF.

Melissa Gerstle, PhD, Assistant Professor
Research Interests Neuropsychological sequelae of chronic medical illness in pediatric populations

Shanna Guilfoyle, PhD, Assistant Professor
Research Interests Focus on the psychological comorbidities associated with pediatric epilepsy and how the family context (i.e., including factors at the patient, parent, and family levels) can optimize epilepsy management; understanding how family functioning impacts treatment adherence and management across various pediatric chronic health conditions.

Kevin Hommel, PhD, Associate Professor
Leadership Director, Center for Health Technology Research; Director, Divisional Data Core

Research Interests Use of technology to improve disease management and health outcomes in pediatric chronic conditions, particularly inflammatory bowel disease; self-management and adherence assessment and intervention; design and evaluation of behavioral treatment protocols for treatment nonadherence.

Naomi Joffe, PhD, Assistant Professor
Research Interests Adherence/self-management and coping among patients with Sickle Cell Disease and patients undergoing Bone Marrow Transplant.

Abigail Johnson, PhD, Assistant Professor
Leadership Associate Director, Eating Disorders Program

Katherine Junger, PhD, Assistant Professor
Research Interests Clinical effectiveness of pediatric psychology interventions within the epilepsy population.

Susmita Kashikar-Zuck, PhD, Professor
Leadership Research Director
Research Interests Psychosocial issues in pediatric pain, longitudinal studies of youth with chronic pain as they transition to young adulthood, behavioral and combined behavioral and exercise interventions for children and adolescents with chronic musculoskeletal pain.

Jessica Kichler, PhD, Associate Professor
Research Interests Improving child and family adjustment, coping, and adherence as well as understanding psychosocial outcomes associated with chronic illness, including diabetes.

Joshua Langberg, PhD, Adjunct
Research Interests Development of effective treatments for adolescents with ADHD.

Patricia Logan, PhD, Assistant Professor
Research Interests Neurodevelopmental outcomes for pediatric patients with congenital cardiac disease.

Richard Loren, PhD, Assistant Professor
Leadership Clinical Director Center for ADHD
Research Interests Measuring the impact of group-based behavioral parent training on the functional impairments of children with ADHD; development and dissemination of group-based behavioral parent training to reduce negative impact of ADHD in preschoolers; and applying quality improvement methods to the delivery of services for families of children with ADHD.

Anne Lynch-Jordan, PhD, Associate Professor
Leadership Director, BMCP Outpatient Behavioral Pain Management Service
Research Interests Understanding the role of pain expression in the pediatric pain experience; investigating parenting factors and family dynamics surrounding chronic pain; collecting and improving clinical outcomes in behavioral pain management.

Michael Mellon, PhD, Associate Professor
Research Interests Measuring the effectiveness of acceptance and commitment therapy for children who
have inflammatory bowel disease.

**Erica (Pearl) Messer, PsyD, Assistant Professor**


**Monica J. Mitchell, PhD, Associate Professor**

**Leadership** Senior Director, Community Relations; Co-Director, INNOVATIONS in Community Research

**Research Interests** To develop culturally-appropriate, family-based interventions and community-based interventions to improve health outcomes in children

**Avani C. Modi, PhD, Associate Professor**

**Leadership** Associate Training Director, O’Grady Residency Program in Psychology; Co-Director, New Onset Seizure Clinic in Neurology

**Research Interests** Adherence to medical regimens for children with epilepsy and its impact on health outcomes.

**Jennie G. Noll, PhD, Professor**

**Research Interests** Understanding long-term bio-psycho-social sequelae of childhood abuse, high-risk internet and social media behaviors for at-risk teens.

**Lisa Opipari-Arrigan, PhD, Associate Professor**

**Research Interests** Development and implementation of interventions to optimize co-production of healthcare, development and implementation of mobile health applications linked to care management.

**Ahna Pai, PhD, Associate Professor**

**Leadership** Director, Patient and Family Wellness Center in the CBDI

**Research Interests** Understanding and improving adherence to pediatric oncology as well as solid organ and hematopoietic stem cell transplant regimens.

**James Peugh, PhD, Assistant Professor**

**Research Interests** Monte Carlo simulation methods to test the efficacy of various latent variable mixture models.

**Carrie Piazza-Waggoner, PhD, Associate Professor**

**Leadership** Training Director, O’Grady Residency Program in Psychology; Director, BMCP Consultation-Liaison Service

**Research Interests** Understanding the impact of family functioning and chronic illness outcomes.

**Scott Powers, PhD, Professor**

**Leadership** Director of Clinical and Translational Research; Director, Center for Child Behavior and Nutrition Research and Training; Co-Director, The Headache Center

**Research Interests** Three primary foci: Child Behavior and Nutrition, Pediatric Pain/Headache, and Clinical Trials

**Megan B. Ratcliff, PhD, Assistant Professor**

**Research Interests** Understanding child and family motivation for and engagement in various types of overweight/obesity treatment including behavioral weight management and bariatric surgery; motivational interviewing.

**Joseph Rausch, PhD, Associate Professor**
**Janet R. Schultz, PhD, Adjunct**

**Research Interests** Longitudinal data analysis, analysis of randomized clinical trials, adherence to treatment regimens.

**Chad Shenk, PhD, Adjunct**

**Research Interests** Psychological & biological responses to severe and chronic stress, namely childhood maltreatment; Evaluating prevention and intervention programs that facilitate coping with traumatic events.

**Shalonda Slater, PhD, Assistant Professor**

**Research Interests** Ensuring the psychological well-being of children under consideration for organ transplantation and children with chronic pain conditions.

**Leanne Tamm, PhD, Associate Professor**

**Research Interests** Numerous aspects of the functioning of children with ADHD including brain-behavior relationships, executive function, efficacy of treatment, and prevention/early intervention.

**Aimee Thompson, PsyD, Assistant Professor**

**Research Interests** Psychosocial hematology/oncology, Clinical effectiveness of pediatric psychology interventions within the pediatric hematology/oncology population

**Aaron Vaughn, PhD, Assistant Professor**

**Research Interests** The assessment and treatment of ADHD including better understanding of the social, academic, and behavioral impairments exhibited by children and adolescents with Attention-Deficit/Hyperactivity Disorder (ADHD) from a developmental psychopathology perspective.

**Nicolay Walz, PhD, Associate Professor**

**Research Interests** Understanding and improving child and family outcomes following traumatic brain injury.

**Sara Williams, PhD, Assistant Professor**

**Leadership** Clinical Director, Functional Independence Restoration Program for Chronic Pain Rehabilitation

**Research Interests** Psychosocial factors affecting pediatric chronic pain; parent-child interaction; collecting and improving outcomes for inpatient pediatric pain rehabilitation.

**Meg Zeller, PhD, Professor**

**Leadership** Co-Director, Center for Child Behavior and Nutrition; Director, Psychology Fellowship Training

**Research Interests** Psychosocial correlates of pediatric obesity. Psychosocial health and risks of adolescent severe obesity and adolescent bariatric surgery outcomes.

**Joint Appointment Faculty Members**

**Richard Ittenbach, PhD, Associate Professor (Division of Biostatistics and Epidemiology)**

**Research Interests** Measurement of treatment adherence, research bioethics, and mixed methods studies, particularly as they relate to study and design-related issues.

**Sian Cotton, PhD, Associate Professor (UC Center for Integrative Health and Wellness)**

**Research Interests** Complementary and integrative health approaches.

**Clinical Staff Members**

- Lydia Barhight, PhD
- Anne Bradley, PhD
• James Brewer, EdD
• Joanne Carey, PsyD
• Teri Caudill, PsyD
• Sanford Chertock, PhD
• Jennifer Creedon, PhD
• Jessica Cyran, PhD
• Kristine Huiet, PhD
• Rebecca Kniskern, PhD
• Brenna LeJeune, PhD
• Wendi Lopez, PsyD
• Jessica McClure, PsyD,
  *Clinical Director*
• Lynne Merk, PhD
• James Myers, PhD,
  *Lead Satellite Psychologist*
• Robert Nestheide, PhD
• Irina Parkins, PhD
• S. Rachelle Plummer, PsyD
• Tara Proano-Raps, PsyD
• Angela Roddenberry-Vaz, PhD
• Grace Shelby, PhD
• William Sirbu, PhD
• Beverly Smolyansky, PhD
• Julie Tiemeier, PsyD
• Christian von Thomsen, PsyD
• Nicole Zahka, PhD

**Trainees**

• Katherine Baum, PhD, PL-2, University of Cincinnati, Cincinnati, Ohio
• Jennifer Becnel, PhD, PL-1, Arizona State University
• Cassie Brode, PhD, PL-1, Virginia Commonwealth University
• Natoshia Cunningham, PhD, PL-3, Virginia Polytechnic Institute State University, Blacksburg, Virginia
• Annie Garner, PhD, PL-2, University of Alabama at Birmingham, Birmingham, Alabama
• Margaret Hudepohl, MA, PL-1, Georgia State University
• Shannon Looney, PhD, PL-1, University of Tennessee
• Meghan McGrady, PhD, PL-2, University of Cincinnati, Cincinnati, Ohio
• Lauren Perazzo, PsyD, PL-1, Xavier University, Cincinnati, Ohio
• Jamie Ryan, PhD, PL-1, Oklahoma State University
• Angelique Teeters, PhD, PL-2, Xavier University, Cincinnati, Ohio

**Division Collaboration**

Dr. Robert Ammerman is Scientific Director of Every Child Succeeds (ESC). He works closely with Dr. Judith B. Van Ginkel in development, implementation, and coordination of research carried out in Every Child Succeeds.

(Robert T. Ammerman, PhD)

*Every Child Succeeds* » Judith Van Ginkel, PhD
Dr. Robert Ammerman is working with Mekibib Altaye, PhD, biostatistician, who is co-investigator on funded studies of retention and adherence in home visitation and treatment of postpartum depression in mothers in home visitation. (Robert T. Ammerman, PhD)

**Biostatistics and Epidemiology** » Mekibib Altaye, PhD

Dr. Robert Ammerman is working with Alonzo Folger, PhD, epidemiologist, on the evaluation of the Every Child Succeeds program. (Robert T. Ammerman, PhD)

**Biostatistics and Epidemiology** » Alonzo Folger, PhD

Dr. Ammerman is a co-investigator on Place Outcome Award to examine identification of developmental delay in home visiting. (Robert T. Ammerman, PhD)

**Biostatistics and Epidemiology** » Katherine Bowers, PhD and Alonzo Folger, PhD

Dr. Ammerman is the mentor for Neera Goyal, MD on her KL2 award examining the impact of home visiting on birth outcomes with a particular emphasis on prematurity. (Robert T. Ammerman, PhD)

**Section of Neonatology, Perinatal and Pulmonary Biology** » Neera Goyal, MD

Dr. Ammerman, scientific director of Every Child Succeeds, is collaborating with Neera Goyal, MD and Eric Hall, PhD examining use of public datasets and geocoding to better understand preterm birth and infant mortality in high risk mothers. (Robert T. Ammerman, PhD)

**Section of Neonatology, Perinatal and Pulmonary Biology** » Neera Goyal, MD and Eric Hall, PhD

Dr. Ammerman, scientific director of Every Child Succeeds, is working with James Greenberg, MD, and Louis Muglia, MD on factors involved in prematurity in high-risk mothers. (Robert T. Ammerman, PhD)

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

Dr. Robert Ammerman is co-investigator alongside principal investigator, Kieran Phelan, MD, on an R01 study (NICHD) on prevention of childhood injury in Every Child Succeeds. (Robert T. Ammerman, PhD)

**James M. Anderson Center for Health Systems Excellence** » Kieran Phelan, MD

Dr. Robert Ammerman is working with Robert Kahn, MD on the StartStrong project to improve birth outcomes in high-risk neighborhoods in Cincinnati. (Robert T. Ammerman, PhD)

**James M. Anderson Center for Health Systems Excellence** » Robert Kahn, MD

Dr. Robert Ammerman is working with Dr. Jacqueline Grupp-Phelan on her work with developing and testing suicide prevention interventions for the emergency department setting (Robert T. Ammerman, PhD)

**Emergency Medicine** » Jacqueline Grupp-Phelan, MD

Dr. Robert Ammerman is working with Dr. Melinda Mahabee-Gittens from Emergency Medicine on Dr. Mahabee-Gittens’ research examining smoking cessation interventions for parents of children seen in the pediatric emergency setting (Robert T. Ammerman, PhD)

**Emergency Medicine** » Melinda Mahabee-Gittens, MD

Dr. Robert Ammerman is working with Dr. Cinnamon Dixon on her research on prevention of accidental injury.
Dr. Cynthia Austin is working with Dr. Shari Wade to provide direct treatment to families as part of the PCORI grant investigating web based and traditional treatment for families following Traumatic Brain Injury (TBI). (Cynthia Austin, PhD)

**Physical Medicine and Rehabilitation** » Shari Wade, PhD

Dr. Dean Beebe is working as a co-investigator on the CHAT study, an NIH supported, multi-site study investigating the impact of adenotonsillectomy on the sleep and daytime neurobehavioral functioning of children with obstructive sleep apnea. (Dean W. Beebe, PhD)

**Otolaryngology** » J. Paul Willging, MD

**Pulmonary Medicine** » Raouf Amin, MD

Dr. Dean Beebe is the PI on an NIH-funded study of the impact of experimental sleep restriction on neurobehavioral and functional neural activation in otherwise healthy adolescents. (Dean W. Beebe, PhD)

**Neurology** » Douglas Rose, MD

**Radiology** » Mark DiFrancesco, PhD and Scott Holland, PhD

Dr. Dean Beebe is working as a co-investigator on an NIH-funded grant investigating the neurocognitive and functional neuroimaging sequelae of pediatric lupus. (Dean W. Beebe, PhD)

**Radiology** » Mark DiFrancesco, PhD and Scott Holland, PhD

**Rheumatology** » Hermine Brunner, MD

Dr. Dean Beebe is working as a co-investigator on a pilot study examining the impact of melatonin treatment on sleep, seizure frequency, and neurobehavioral functioning in children with epilepsy. (Dean W. Beebe, PhD)

**Neurology** » Tracy A. Glauser, MD and Sejal Jain, MD,

**Pulmonary Medicine** » Narong Simakajornboon, MD

Dr. Kelly Byars works closely with the pulmonary medicine faculty in the context of multidisciplinary management of pediatric sleep disorders and with the clinical team that provides comprehensive management of autism spectrum disorders (TKOC). Research within both divisions is focused on better understanding the management and treatment of insomnia in healthy children, children with chronic illness including pulmonary disorders, and autism spectrum disorders. (Kelly C. Byars, PsyD)

**Developmental and Behavioral Pediatrics** » Patricia Manning, M.D.

**Pulmonary Medicine** » Narong Simakajornboon, M.D.,

Dr. Cortina collaborates with Drs. Ting and Kudalkar and other collaborators on the usefulness of cellular text messaging for improving adherence among adolescents and young adults with systemic lupus. (Sandra Cortina, PhD)

**Rheumatology** » Tracy V. Ting, MD

Dr. Cortina collaborates with Dr. Saeed and with other faculty in manuscript development and preparation regarding treatment needs for families presenting from the Middle East. (Sandra Cortina, PhD)

**Gastroenterology, Hepatology and Nutrition** » Shehzad A. Saeed, MD
Dr. Cortina collaborates with Dr. Kochoshis in manuscript development and preparation regarding treatment adherence and psychosocial functioning in families presenting post-small bowel transplant. (Sandra Cortina, PhD)

Gastroenterology, Hepatology and Nutrition » Samuel Kocoshis, MD

Dr. Lori Crosby works Dr. Karen Kalinyak on a variety of Sickle Cell Disease (SCD) related projects including Dr. Monica Mitchell’s project piloting a problem-solving intervention to improve treatment adherence and quality in improvement projects related to pain home management and adherence with Transcranial Doppler procedures (Lori Crosby, PsyD, Monica Mitchell, PhD)

Hematology » Karen Kalinyak, MD

Dr. Lori Crosby is a co-investigator on a HRSA-funded newborn screening project aimed at improving services for families affected by sickle cell disease across the life-span. Recent studies include an examination of health literacy and self-management. (Lori Crosby, PsyD)

Hematology » Lisa Shook, MA, CHES

Dr. Lori Crosby is a co-investigator on a HRSA-funded newborn screening project aimed at improving services for families affected by sickle cell disease across the life-span. Recent studies include an examination of health literacy and self-management. (Lori Crosby, PsyD)

Emergency Medicine » Terri Byczkowski, PhD

Dr. Lori Crosby is collaborating with Dr. Maria Britto on several studies to understand if, and how, patient-centered, technology-based tools can improve the health of individuals with sickle cell disease during care transitions. (Lori Crosby, PsyD)

Adolescent and Transition Medicine » Maria Britto, MD, MPH

Dr. Lori Crosby is collaborating with Dr. Esi Morgan Dewitt on her study aimed at developing a new computerized assessment system (PROMIS – Patient Reported Outcomes Measurement Information System) that will be used to measure pain behaviors in children. (Lori Crosby, PsyD)

Rheumatology » Esi Morgan Dewitt, MD

Dr. Lori Crosby is collaborating with Dr. Kathleen Walsh on a study examining medication adherence and a study to develop decision support tools for parents of patients with sickle cell anemia making the decision to initiate hydroxyurea treatment. (Lori Crosby, PsyD)

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

Dr. Dennis Drotar has been working with Dr. Larry Dolan on an R01: multisite prospective study of adherence and self-management in adolescents with type 1 diabetes. This study has been re-funded. (Dennis Drotar, PhD)

Endocrinology » Larry Dolan, MD

Dr. Dennis Drotar has been working with Dr. John Perentesis and Dr. Sander Vinks on an R01: multi-site randomized trial of problem solving intervention to promote treatment adherence in ALL. (Dennis Drotar, PhD)

Clinical Pharmacology » Sander A. Vinks, PharmD, PhD

Oncology » John P. Perentesis, MD

Dr. Dennis Drotar has been working with Dr. Maria Britto on a pilot study of the effectiveness of interventions to
promote treatment adherence in adolescents with asthma. (Dennis Drotar, PhD)

**Adolescent and Transition Medicine** » Maria Britto, MD

Dr. Dennis Drotar has been working with Dr. John Bucuvalas on a multisite R01 to validate a bioassay based measure of treatment adherence. (Dennis Drotar, PhD)

**Gastroenterology, Hepatology and Nutrition** » John Bucuvalas, MD

Dr. Dennis Drotar has been working with Dr. Bradley Marino in ongoing studies of health-related quality of life in congenital heart disease. (Dennis Drotar, PhD)

**Cardiology** » Bradley Marino, MD

Dr. Dennis Drotar is working with Dr. Rob Kahn on a R01 on Racial Disparities in Pediatric Asthma Morbidity and is a member of Dr. Bill Brinkman's K23 award mentorship team. (Dennis Drotar, PhD)

**General and Community Pediatrics** » William Brinkman, MD and Robert Kahn, MD

Dr. Jeff Epstein is the primary mentor on Dr. Brinkman’s K23 award. (Jeffrey N. Epstein, PhD)

**General and Community Pediatrics** » William Brinkman, MD

Dr. Jeff Epstein collaborates with Dr. Carole Lannon on his research with the myADHDportal Improvement Program. (Jeffrey N. Epstein, PhD)

**General and Community Pediatrics** » Carole Lannon, MD

Dr. Jeff Epstein is on the advisory board for Dr. Holland’s and Dr. Vannest’s C-MIND grant. (Jeffrey N. Epstein, PhD)

**Neurology** » Scott Holland, PhD and Jennifer Vannest, PhD

Dr. Jeff Epstein is a sponsor on Dr. Kurowski’s K-award. (Jeffrey N. Epstein, PhD).

**Physical Medicine and Rehabilitation** » Brad Kurowski, MD

Dr. Jeff Epstein is a sponsor on Dr. Harris’ K-award. (Jeffrey N. Epstein, PhD)

**Psychiatry** » Elana Harris, MD

Dr. Jeff Epstein is the Principal investigator on a grant submission examining safety and efficacy of stimulants in children with Down syndrome and ADHD. (Jeffrey N. Epstein, PhD)

**Developmental and Behavioral Pediatrics** » Julia Anixt, MD and Anna Esbensen, PhD

**Heart Institute** » Jeffrey Anderson, MD and Bradley Marino, MD

Dr. Jeff Epstein is the primary mentor on Dr. Froehlich’s K23 award. (Jeffrey N. Epstein, PhD)

**Developmental and Behavioral Pediatrics** » Tanya Froehlich, MD

Dr. Jeff Epstein is collaborating with Dr. Kiefer on research examining interventions for improving the driving performance of adolescents with ADHD. (Jeffrey N. Epstein, PhD)

**Sports Medicine** » Adam Kiefer, PhD

Dr. Stephanie Filigno collaborates with Drs. McPhail, Amin, Burns, Chini and Clancy from the Division of
Pulmonary Medicine on ongoing quality improvement, behavior-nutrition research projects, in addition to clinical
care delivery within the Cystic Fibrosis Center. (Stephanie S. Filigno, PhD)

**Pulmonary Medicine** » Raouf Amin, MD, Lisa Burns, MD, Barbara Chini, MD, John Clancy, MD, and Gary
McPhail, MD

Dr. Stephanie Filigno collaborates on research with Daniel Grossoehme, DMin, BCC, examining individual and
family factors that impact Cystic Fibrosis care management. (Stephanie S. Filigno, PhD)

**Pulmonary Medicine** » Daniel Grossoehme, DMin, BCC

Dr. Melissa Gerstle is working with Dr. Marino from Cardiology and Dr. Cassedy from Biostatistics and
Epidemiology as well as other faculty in manuscript development and preparation regarding executive
functioning in survivors of complex congenital heart disease. (Melissa Gerstle, PhD)

**Biostatistics and Epidemiology** » Amy Cassedy, PhD

**Cardiology** » Brad Marino, MD,

Dr. Avani Modi and Dr. Shanna Guilfoyle are working with neurology collaborators to study psychosocial outcomes
for patients newly diagnosed with epilepsy, including epilepsy management, epilepsy specific health-related quality
of life, and psychological comorbidities. (Shanna Guilfoyle, PhD, Avani Modi, PhD)

**Neurology** » Tracy A. Glauser, MD, Sally Monahan, DNP, and Diego Morita, MD

Dr. Kevin Hommel and Dr. Lee Denson have collaborated on several NIH grant-funded projects. One of these
current projects (R01) is a multisite RCT using telehealth delivery of behavioral treatment to treat medication non-
adherence in adolescents with inflammatory bowel disease. (Kevin Hommel, PhD)

**Gastroenterology, Hepatology and Nutrition** » Lee A. Denson, MD

Dr. Kevin Hommel and Dr. Lee Denson are collaborating on a U01 grant which is a multisite RCT examining
standardized therapy on steroid-free remission in pediatric ulcerative colitis. (Kevin Hommel, PhD)

**Gastroenterology, Hepatology and Nutrition** » Lee A. Denson, MD

Dr. Kevin Hommel, Dr. Peter Margolis, and Dr. Michael Seid work together on the Collaborative Clinical Care
Network (C3N) in Inflammatory Bowel Disease R01 grant from the NIH. Dr. Hommel leads the Self-Management
aspects of the Project. (Kevin Hommel, PhD)

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

Dr. Abigail Johnson is working with Dr. Mitan to develop a standardized, brief family-based intervention for children
hospitalized for medical complications related to eating disorder symptoms. (Abigail L. Johnson, PhD)

**Adolescent and Transition Medicine** » Laurie Mitan, MD

Dr. Katherine Junger is working with physicians and nurse practitioners within the Comprehensive Epilepsy Center
to deliver evidence-based pediatric psychology assessments and interventions to improve the outcomes for youth
with epilepsy in a multidisciplinary clinic setting (Katherine Junger, PhD)

**Neurology** » Lisa Garrity, PharmD, Tracy Glauser, MD, Sally Monahan, DNP, Diego Morita, MD, Jeffrey R.
Tenney, MD, PhD, Michele Tumer, CNP, Alison Wasserman, CNP, and Cindy Wesolowski, CNP
Dr. Susmita Kashikar-Zuck completed a multi-site randomized clinical trial of cognitive behavioral therapy (CBT) for juvenile fibromyalgia syndrome with Dr. Daniel Lovell and Dr. Tracy Ting. (Susmita Kashikar-Zuck, PhD)

**Rheumatology** » Daniel J. Lovell, MD and Tracy V. Ting, MD

Dr. Susmita Kashikar-Zuck is leading a project on the longitudinal determination of outcomes of adolescents with fibromyalgia. (Susmita Kashikar-Zuck, PhD)

**Rheumatology** » Daniel J. Lovell, MD and Tracy V. Ting, MD

Dr. Susmita Kashikar-Zuck is a co-investigator with Dr. Esi Morgan DeWitt on a project focused on assessment of patient-related outcomes (PROMIS) in pediatric pain, rheumatology and rehabilitation. (Susmita Kashikar-Zuck, PhD)

**Rheumatology** » Esi M. Morgan DeWitt, MD

Dr. Ting, Dr. Morgan-Dewitt and Dr. Kashikar-Zuck are collaborating on a new clinical trial of combined Cognitive Behavioral Therapy and exercise intervention for teens with juvenile fibromyalgia. (Susmita Kashikar-Zuck, PhD)

**Rheumatology** » Esi M. Morgan DeWitt, MD and Tracy V. Ting, MD

Dr. Susmita Kashikar-Zuck, along with researchers in Sports Medicine developed an innovative intervention combining psychological treatment (CBT) with specialized neuromuscular exercise training for the management of pain and disability in adolescents with juvenile fibromyalgia. Pilot work on the new Fibromyalgia Integrative Training Program for Teens (FIT Teens) has shown promising results and they are testing the intervention in a small randomized trial funded by an NIH R21 grant. (Susmita Kashikar-Zuck, PhD)

**Sports Medicine** » Gregory D. Myer, PhD

Dr. Susmita Kashikar-Zuck and Dr. Anne Lynch-Jordan are working with Dr. Kenneth Goldschneider and Dr. Alex Szabova (Pain Management), on integrating routine assessment of clinical outcomes in pediatric chronic pain through the multidisciplinary pain program. (Susmita Kashikar-Zuck, PhD, Anne M. Lynch-Jordan, PhD)

**Anesthesiology** » Kenneth R. Goldschneider, MD and Alexandra Szabova, MD

Dr. Susmita Kashikar-Zuck collaborates with Dr. Scott Powers and Dr. Andrew Hershey, Directors of the CCHMC Headache Center, on pharmacologic and behavioral trials of interventions for youth with migraine headaches. She is particularly involved in developing and modifying CBT-based interventions for headache management. (Susmita Kashikar-Zuck, PhD, Scott W. Powers, PhD)

**Neurology** » Andrew Hershey, MD

Dr. Susmita Kashikar-Zuck and her fellow, Dr. Natoshia Cunningham are conducting studies on the assessment and treatment of youth with functional abdominal pain and co-occurring anxiety, funded by a fellowship (F32) grant to Dr. Cunningham. (Susmita Kashikar-Zuck, PhD, Natoshia Cunningham, PhD)

**Gastroenterology, Hepatology and Nutrition** » Mitchell Cohen, MD and Michael Farrell, MD

Dr. Kichler is collaborating with Drs. Crimmins and Sheanon on an impact of diabetes camp study. (Jessica Kichler, PhD)

**Endocrinology** » Nancy A. Crimmins, MD and Nicole M. Sheanon, MD

Dr. Kichler is currently collaborating with Dr. Dolan on the SEARCH as well as a Diabetes Group Therapy
Dr. Kichler is collaborating with Drs. Dolan and Seid on the FL3X diabetes intervention study for adolescents (Jessica Kichler, PhD)

**Endocrinology** » Lawrence M. Dolan, MD

Pulmonary Medicine » Michael Seid, PhD

Dr. Kichler is collaborating with Drs. Dolan and Corathers on diabetes and depression studies (Jessica Kichler, PhD)

**Endocrinology** » Sarah Corathers, MD and Lawrence M. Dolan, MD

Dr. Kichler is currently collaborating with providers from **Division of Developmental and Behavioral Pediatrics** (DDBP) and Endocrinology on a transition to adult medical care readiness study for young adults with chronic illnesses (Jessica Kichler, PhD)

**Developmental and Behavioral Pediatrics** » Amie Duncan, PhD and Ilka K. Riddle, PhD

**Endocrinology** » Lori Casnellie, CNP, Sarah Corathers, MD, and Andrea N. Houchen, MMSW, LISW-S

Dr. Kichler, along with Dr. Stark, is collaborating with Christopher Bolling, MD on a clinic and home family-based intervention study of obesity in preschoolers. (Jessica Kichler, PhD, Lori J. Stark, PhD)

**General and Community Pediatrics** » Christopher F. Bolling, MD

Patricia Logan is working with Dr. Cnota on her research examining neurodevelopmental outcomes for children and adolescents with Single Ventricle Reconstruction (Patricia Logan, PhD)

**Cardiology** » James Cnota, MD

Dr. Richard Loren is working with Dr. William Brinkman on his project to develop and test strategies to enable adolescents with ADHD to effectively collaborate with their parents and healthcare providers to achieve shared goals. (Richard Loren, PhD)

**General and Community Pediatrics** » William Brinkman, MD, Med, MSc

Dr. Anne Lynch-Jordan is working with physicians in Pain Management on the process of identifying, collecting, and improving clinical outcomes through the multidisciplinary pain program and CCHMC Care Coordination and Outcomes (CCO) Improvement Initiative. (Anne Lynch-Jordan, PhD)

**Anesthesiology** » Kenneth R. Goldschneider, MD, John B. Rose, MD, and Alexandra Szabova, MD

Dr. Lynch-Jordan is collaborating with Dr. Kenneth Goldschneider and a multi-disciplinary panel of international experts to develop a consensus statement for pain management for individuals with Epidermolysis Bullosa. Additionally, they have completed a project investigating the temporal relationship of functional disability and pain intensity during the course of psychology treatment for pediatric chronic pain. (Anne Lynch-Jordan, PhD)

**Anesthesiology** » Kenneth R. Goldschneider, MD

Dr. Lynch-Jordan is collaborating with Dr. Alex Szabova (Director) and faculty in Pain Management on expanding their one-year old fellowship in Pediatric Pain Medicine. Additionally, she and Dr. Szabova are collaborating on a manuscript describing multi-disciplinary treatment for pediatric chronic back pain. (Anne Lynch-Jordan, PhD)
Dr. Michael Mellon collaborates with Drs. Pena and Dickey on multidisciplinary care of complex medical conditions affecting bowel continence. (Michael Mellon, PhD)

**Pediatric General and Thoracic Surgery** » Belinda Dickey, MD and Alberto Pena, MD

Dr. Mellon and Dr. Hommel have worked with Drs. Denson and Saeed on developing a screening methodology to monitor the psychosocial functioning of IBD patients with the use of electronic tablets. (Kevin Hommel, PhD, Michael Mellon, PhD)

**Gastroenterology, Hepatology and Nutrition** » Ted Denson, MD and Shehzad Saeed, MD

Dr. Messer provided bi-monthly consultation to clinicians and a 3 day training to education and mental health specialists on trauma-informed treatment as well as behavioral and relationship enhancement techniques at the College Hill Residential location. (Erica P. Messer, PsyD)

**Psychiatry**

Dr. Messer sees patients for mental health treatment who are seen for forensic interviews at the Mayerson Center. She provides clinical consultation to interdisciplinary staff at the Center (Erica P. Messer, PsyD)

**Mayerson Center for Safe and Healthy Children**

Dr. Messer provided training for the LEND program on trauma and Post-traumatic stress disorder. (Erica P. Messer, PsyD)

**Developmental and Behavioral Pediatrics**

Dr. Messer provided training for the annual Every Child Succeeds conference and joined the Moving Beyond Depression Team led by Dr. Ammerman, assisting with consultation and training. (Robert Ammerman, PhD, Erica P. Messer, PsyD)

**Every Child Succeeds** » Robert Ammerman, PhD

Dr. Monica Mitchell serves as the Senior Director of Community Relations. (Monica J. Mitchell, PhD)

**Marketing and Communications** » Jane Garvey

Dr. Monica Mitchell collaborates with Anderson Center/Population Health. (Monica J. Mitchell, PhD)

**James M. Anderson Center for Health Care Excellence** » Robert S Kahn, MD, MPH

Dr. Monica Mitchell is the co-director for Community Engagement for the CCTST (Monica J. Mitchell, PhD)

**Center for Clinical and Translational Science and Training (CCTST)** » James Heubi, MD

Dr. Glauser served as a mentor on Dr. Avani Modi’s K23 award. Dr. Modi collaborates on multiple projects related to clinical outcomes in the New Onset Seizure Disorder clinic with both Drs. Glauser and Morita. Studies are focused on examining long-term adherence patterns in children with newly diagnosed epilepsy, validation of a side effects questionnaire, examining quality of life for patients with seizures, and pharmacokinetic modeling of antiepileptic drugs. (Avani C. Modi, PhD)

**Neurology** » Tracy A. Glauser, MD and Diego A. Morita, MD
Dr. Avani Modi has been working with Dr. Inge on a U01 grant examining outcomes of adolescent bariatric surgery, including adherence to the post-operative multivitamin regimen. (Avani C. Modi, PhD)

**Pediatric General and Thoracic Surgery** » Thomas H. Inge, MD, PhD

Dr. Avani Modi has been working with Drs. Amin and Sawnani on a R34 grant examining hyperinsufflation in children with congenital muscular dystrophy. (Avani C. Modi, PhD)

**Pulmonary Medicine** » Rauof Amin, MD and Hemant Sawnani, MD

Along with a team of BMI specialists headed by Michal Kouril, PhD, Dr. Noll and others have worked to develop software that will allow naturalistic observation of adolescents' “Internet Footprint”. This software allows them to gain a thorough understanding of patterns of internet use and quantify adolescents' propensity to visit and spend time on websites containing sexual and other adult content. They have successfully piloted this software on adolescents and have demonstrated efficacy with regard to feasibility and viability. As a result, they developed an R01, funded this in 2013, aimed at recording and quantifying the compromised internet safety experienced by at-risk adolescents aged 12-18. (Jennie G. Noll, PhD)

**Biomedical Informatics** » Michal Kouril, Ph.D

Dr. Lisa Opipari-Arrigan has been working with Dr. Peter Margolis, Dr. Michael Seid and Dr. Heather Kaplan on the Collaborative Chronic Care Network (C3N) in Inflammatory Bowel Disease R01 grant. Dr. Opipari-Arrigan has been collaborating on developing and implementing mobile health applications to optimize health and healthcare. (Lisa Opipari-Arrigan, PhD)

**James M Anderson Center for Health Systems Excellence** » Heather Kaplan, MD, MSCE, Peter Margolis, MD, PhD, and Michael Seid, PhD

Dr. Lisa Opipari-Arrigan is also collaborating with Dr. Peter Margolis and Dr. Michael Seid on the Patient Powered Research Network PCORI grant. Dr. Opipari-Arrigan is leading the development of interventions that facilitate patients, families, clinicians, and researchers to co-produce improvements and innovations in healthcare delivery for chronic conditions. (Lisa Opipari-Arrigan, PhD)

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

Dr. Ahna Pai has been working with Dr. Jens Goebel from the Division of Nephrology on a project examining the relationship between adherence to clinic visits and health outcomes in the pediatric renal transplant population. (Ahna L. Pai, PhD)

**Nephrology and Hypertension** » Jens W. Goebel, MD

Dr. Pai has been working with Dr. Goebel on a study funded by the NIDDK. It is a multisite randomized clinical trial of an intervention to promote adherence in adolescent and young adult kidney transplant patients. (Ahna L. Pai, PhD)

**Nephrology and Hypertension** » Jens W. Goebel, MD

Dr. Ahna Pai submitted an NIH grant to evaluate the efficacy of an intervention to decrease uncertainty and psychological distress for parents of children newly diagnosed with cancer; (Ahna L. Pai, PhD)

**Oncology** » John P. Perentesis, MD
Dr. Ahna Pai has been working with Dr. Nagarajan, on a project examining adherence to follow-up medical care among adolescent and adult survivors of childhood cancer. (Ahna L. Pai, PhD)

**Oncology » Rajaram Nagarajan, MD**

Dr. Ahna Pai has been collaborating with Dr. Davies on a project examining oral medication adherence in children following stem cell transplant. (Ahna L. Pai, PhD)

**Bone Marrow Transplantation and Immune Deficiency » Stella M. Davies, PhD**

Dr. Scott Powers has been working with the Headache Center on a range of clinical and translational research studies, ranging from genomics to clinical trials to outcomes research. (Scott W. Powers, PhD)

**The Headache Center, Neurology » Marielle Kabbouche, MD, Joanne Kacperski, MD, Milena Korostenskaja, PhD, Andrew D. Hershey, MD, PhD, Hope L. O'Brien, MD, and Jing Xiang, MD, PhD**

Dr. Scott Powers has been collaborating with the Diabetes Center on studies that focus on type 1 diabetes and type 2 diabetes. Most studies involve NIH T32 fellows. A major line of research is a multi-site effort with Dr. Susana Patton at the Kansas University Medical Center and focuses on dietary adherence and diabetes outcomes in young children with type 1 diabetes. (Scott W. Powers, PhD)

**Endocrinology » Lawrence M. Dolan, MD**

Dr. Scott Powers is working with the Cystic Fibrosis Center on clinical and translational research in cystic fibrosis, including clinical trials, studies through the CF Foundation Therapeutics Development Network, and health outcomes research. (Scott W. Powers, PhD)

**Cystic Fibrosis Center, Pulmonary Medicine » Raouf Amin, MD, John Clancy, MD, William D. Hardie MD, Gary McPhail, MD, and Bruce Trapnell, MD**

Dr. Scott Powers has been working with the Division of Radiology on studies funded by the CF Foundation examining lung disease in young children with CF via high resolution CT tests as part of a multi-center NIH funded clinical trial focused on improving growth in young children with CF via behavioral and nutrition treatment. (Scott W. Powers, PhD)

**Radiology » Alan S. Brody, MD**

Dr. Scott Powers has been working with the Division of Rheumatology on Fibromyalgia trials and institutional studies (Scott W. Powers, PhD)

**Rheumatology » Daniel J. Lovell, MD**

Dr. Scott Powers co-directs the Behavioral Core of the Clinical Translational Research Center and is a member of the Steering Committee for the CCTST (Scott W. Powers, PhD)

**Center for Clinical and Translational Science and Training » James E. Heubi, MD and Joel Tsevat, MD, PhD**

Dr. Scott Powers collaborates with the Anderson Center for Health Systems Excellence and its Quality Scholars program in the training and development of fellows and faculty. (Scott W. Powers, PhD)

**James M. Anderson Center for Health Systems Excellence » Evaline A. Alessandrini, MD**

Dr. Megan Ratcliff collaborates with the interdisciplinary Healthworks team to provide clinical care and to
participate in nutrition and physical activity research, including screening for psychosocial issues, among overweight youth and their families. (Megan B. Ratcliff, PhD, MPH)

**Center for Better Health and Nutrition/ Cardiology** » Shelley Kirk, PhD and Robert M. Siegel, MD

Dr. Megan Ratcliff collaborates with Dr. Inge and Dr. Helmrath on research assessing adherence to lifestyle behaviors among adolescent weight loss surgery patients. (Megan B. Ratcliff, PhD, MPH)

**Surgical Weight Loss Program for Teens (SWLPT)** » Michael Helmrath, MD, MS, Kathleen Hrovat, MS, RD, LD, and Thomas Inge MD, PhD

Dr. Shalonda Slater has been working with the Headache Center on clinical research studies along with clinical care. (Shalonda Slater, PhD)

**Neurology** » Andrew D. Hershey, MD, PhD, Marielle Kabbouche, MD, and Hope L. O'Brien, MD

Dr. Lori Stark is working with Dr. Michal Kouril to improve the design and functionality of a web-based intervention designed to help parents of children with cystic fibrosis achieve the dietary treatment recommendations. This work has been funded by the CF Foundation, a Cincinnati Children's Place Award. (Lori Stark, PhD)

**Biomedical Informatics (BMI)** » Michal Kouril, PhD

Dr. Vaughn is co-authoring a manuscript with Dr. Julia Anixt that examines medication use and the quality of life for adolescents with ADHD. (Aaron Vaughn, PhD)

**Developmental and Behavioral Pediatrics** » Julia S. Anixt, MD

Dr. Walz has been collaborating with Drs. Wade and Kurowski on studies of child and family outcomes following pediatric traumatic brain injury, as well as randomized controlled trials of behavioral interventions. (Nicolay Walz, PhD)

**Physical Medicine and Rehabilitation** » Brad Kurowski, MD, S and Shari Wade, PhD

Dr. Walz is collaborating with Drs. Wheeler, Wong, Geis and Hallinan as the site neuropsychologist on a NIHNHLBI program project grant evaluating moderate hypothermia as a treatment for pediatric cardiac arrest. (Nicolay Walz, PhD)

**Critical Care Medicine** » Derek Wheeler, MD and Hector R. Wong, MD

**Emergency Medicine** » Gary L. Geis, MD

**Neurology** » Barbara E. Hallinan, MD, PhD

Dr. Sara Williams is working with Dr. John Rose and Dr. Dave Pruitt on developing the FIRST program for chronic pain rehabilitation on the inpatient rehab unit. (Sara Williams, PhD)

**Anesthesiology** » John B. Rose, MD

**Physical Medicine and Rehabilitation** » David W. Pruitt, MD

Dr. Meg H. Zeller has been working with Drs. Inge and Jenkins as a Co-Investigator on a UM1 consortium grant examining health and quality of life outcomes of adolescent bariatric surgery. (Margaret H. Zeller, PhD)

**Pediatric General and Thoracic Surgery** » Thomas H. Inge, MD, PhD and Todd M. Jenkins, PhD, MPH

Drs. Inge and Jenkins collaborate on Dr. Zeller's two ancillary R01 studies focused on psychosocial health and risk behaviors of adolescents following bariatric surgery (Margaret H. Zeller, PhD)
### Grants, Contracts, and Industry Agreements

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| Engaging Fathers in Home Visitation: Incorporation of a Co-Parenting Intervention  
National Institutes of Health  
R01 HD 069431  
08/10/12-06/30/17  | $422,097 |
| Treatment of Maternal Depression in Home Visitation  
National Institutes of Health  
R01 MH 087499  
08/15/10-06/30/15 | $382,192 |
| **BENSMAN, H**            |               |
| Health & Wellbeing of Sexually Abused Females & Offspring: 25 and 27 yr. Follow-up  
National Institutes of Health(Pennsylvania State University)  
R01 HD 072468  
08/15/13-01/31/17 | $203,880 |
| **CROSBY, L**             |               |
| Patient-Provider Interventions to Improve Transition to Adult Care in SCD  
National Institutes of Health  
K07 HL 108720  
08/18/11-07/31/15 | $377,606 |
| **CUNNINGHAM, N**         |               |
| ADAPTing CBT for Youth with Functional Abdominal Pain and Co-occurring Anxiety  
National Institutes of Health  
F32 HD 078049  
05/06/14-05/05/16 | $57,650 |
| **DROTAR, D**             |               |
| Enhancing Treatment Adherence and Health Outcomes  
National Institutes of Health  
T32 HD 068223  
05/01/12-04/30/17 | $225,789 |
| Self-Management of Type 1 Diabetes During Adolescence  
National Institutes of Health  
R01 DK 069486  
07/01/13-06/30/18 | $499,539 |
| **EPSTEIN, J**            |               |
| Evaluation of an Intervention for Improving Community-Based Pediatric ADHD Care  
National Institutes of Health  
R01 MH 083665  
08/12/10-07/31/15 | $349,643 |
| Examining the Biological Basis of ADHD  
National Institutes of Health  
K24 MH 064478  
07/15/10-06/30/15 | $166,066 |
DHA Augmentation of Cortical Attention Networks in ADHD
DSM Nutritional Products, LLC (University of Cincinnati)

12/01/12-11/30/14 $5,258

HOMMEL, K

Development of the Self-Management Transition Enhancement Program (STEP)
Crohn’s & Colitis Foundation of America

10/01/13-09/30/16 $90,000

Self-Management Assistance for Recommended Treatment (SMART) Portal
National Institutes of Health

R21 HD 074842 07/05/13-06/30/15 $175,000

Telehealth Enhancement of Adherence to Medication in Pediatric IBD
National Institutes of Health

R01 HD 067174 08/01/11-07/31/16 $386,653

KASHIKAR-ZUCK, S

Behavioral Interventions and Long Term Outcomes in Juvenile Fibromyalgia Syndrome
National Institutes of Health

K24 AR 056687 08/01/09-07/31/14 $101,908

Fibromyalgia Integrative Training Program for Teens
National Institutes of Health

R21 AR 063412 09/20/13-08/31/15 $127,500

Longitudinal Determination of Outcomes of Adolescents with Fibromyalgia
National Institutes of Health

R01 AR 054842 08/01/09-07/31/14 $254,962

MESSER, E

Training of Marine Corps Therapists in PCIT and Care
Department of Defense

H0111-C-0007 09/21/11-09/30/15 $9,577

MITCHELL, M

Cincinnati Center for Clinical and Translational Sciences and Training (Community Engagement)
National Institutes of Health (University of Cincinnati)

UL1 TR 000077 04/03/09-03/31/15 $69,767

MODI, A

Supporting Treatment Adherence Regimens in Pediatric Epilepsy: The STAR Trial
National Institutes of Health

R01 HD 073115 04/01/13-03/31/18 $358,839

NOLL, J

Abused and Non-abused Females High Risk Online Behaviors: Impact on Development
National Institutes of Health
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<td>Tracking Adolescents After Bariatric Surgery: Substance, HIV and Suicide Risks</td>
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