

Division Photo



First Row: J. Kahn, L. Dorn, M. Britto, L. Breech, J. Hillman; Second Row: L. Widdice, F. Biro, J. Huppert, L. Ayensu-Coker

Division Data Summary

Research and Training Details

Number of Faculty	15
Number of Research Fellows	3
Number of Research Students	2
Number of Support Personnel	77
Direct Annual Grant Support	\$1,555,991
Direct Annual Industry Support	\$49,970
Peer Reviewed Publications	42

Clinical Activities and Training

Number of Clinical Staff	20
Number of Clinical Fellows	6
Number of Clinical Students	21
Number of Other Students	4
Inpatient Encounters	2,726
Outpatient Encounters	23,155

Significant Publications

Dorn LD, Susman EJ, Pabst S, Huang B, Kalkwarf H, Grimes S. Association of depressive symptoms and anxiety with bone mass and density in ever-smoking and never-smoking adolescent girls. Arch Pediatr Adolesc Med 2008 Dec;162(12):1181-1188.

Previous studies in adults have shown that depressed women, in particular, are more likely to have osteoporosis or that there is a negative association with depression and bone density. Further, in adult and lower animal studies smoking has been shown to have a negative impact on bone. In a cohort of healthy pubertal age girls we show for the first time that there is a negative association of symptoms of anxiety and/or depression with measures of BMD and BMC. The association varies depending upon smoking status of the girls. During puberty adolescent girls attain over 50% of bone mass. Thus this period is crucial for developing maximal bone bank in order to decrease the likelihood of osteoporosis or fractures. Our longitudinal follow-up will be important to determine mechanisms impacting this association.

Biro FM, Wolff MS, Kushi LH. Impact of yesterday's genes and today's diet and chemicals on tomorrow's women. J Pediatr Adolesc Gynecol 2009 Feb;22(1):3-6.

This editorial investigates the interaction between genetic traits; contemporary diet, activity, and environmental exposures; and pubertal maturation and reproductive factors in young women. A growing list of chemicals have been identified as potential endocrine disruptor chemicals (EDCs). These EDCs interact with dietary intake, changes in activity levels, and genetic programming (such as the "thrifty phenotype"), leading to earlier maturation of girls. The editorial also investigates the impact of earlier maturation on contemporary girls.

Alexander D, Boat T, Britto M, Burke A, Homes A, Sectish T, Stanton B, Stevenson D. Federation of Pediatric Organizations Task Force on Women in Pediatrics: Considerations for part-time training and employment for research-intensive fellows and faculty. J Pediatr 2009 Jan;154(1):1-3 e2.

Describes innovative models at several leading pediatrics programs to enhancing career flexibility, work life balance and productivity of research intensive junior faculty.

Pattullo L, Griffeth S, Ding L, Mortensen J, Reed J, Kahn J, Huppert J. Stepwise diagnosis of Trichomonas vaginalis infection in adolescent women. J Clin Microbiol 2009 Jan;47(1):59-63.

The main implication of this study is that our findings support and expand upon the CDC's recommendation to provide additional TV testing for wet mount negative women. First, when a wet mount is routinely performed, a rapid test for TV can be delayed until after the wet mount is read and it can be performed on the used wet mount swab with no loss of sensitivity. Wet mount followed by rapid test was the most sensitive strategy using two tests (86.4%, CI 75.3 - 93.4%). A stepwise approach using an additional TV test for wet mount-negative women will increase the detection of TV and is recommended for all adolescent women. Secondly, we emphasize that it is important from a public health perspective to screen asymptomatic adolescent women for TV. Further study is needed to assess the degree to which the increased cost of additional TV testing may be balanced by public health benefits.

Feemster KA, Winters SE, Fiks AG, Kinsman S, Kahn JA. Pediatricians' intention to recommend human papillomavirus (HPV) vaccines to 11- to 12-year-old girls postlicensing. J Adolesc Health 2008 Sep;43(4):408-411.

This was the first study examining pediatricians' intention to recommend HPV vaccines after the vaccines were licensed. We found that intention to administer the vaccine to 11-12 year-old girls, the group targeted for vaccination, was high in this sample of Philadelphia pediatricians. Intention was especially high among providers who were early adopters of new vaccines and who did not have concerns about vaccine safety or efficacy. These results can inform educational initiatives designed to promote clinician recommendations for HPV vaccines.

Division Collaboration

Collaboration with Asthma Innovation Lab

Collaborating Faculty: Byczkowski, T

Chronic Care Research Group, Center for Innovation in Chronic Disease Health Policy & Clinical Effectiveness (Britto)

Collaboration with Asthma Research

Collaborating Faculty: Hershey, G

Cincinnati Genomic Control Cohort project (Spigarelli)

Collaboration with Behavioral Medicine & Clinical Psychology

Collaborating Faculty: Crosby, L

Chronic Care Research Group, Center for Innovation in Chronic Disease Health Policy & Clinical Effectiveness (Britto)

Collaboration with Behavioral Medicine & Clinical Psychology

Collaborating Faculty: Myers, J

Workshop: ADHD, Conduct Disorder, and Oppositional Defiant Disorder (Braverman)

Collaboration with Behavioral Medicine & Clinical Psychology

Collaborating Faculty: Smolyansky, B

ADHD Collaborative (Biro)

Collaboration with Behavioral Medicine & Clinical Psychology

Collaborating Faculty: Smolyansky, B

Workshop: Mood Disorders in Teens (Braverman)

Collaboration with Behavioral Medicine & Clinical Psychology

Collaborating Faculty: Smolyansky, B

Collaboration with The Linder Center re: eating disorders (Biro & Mitan)

Collaboration with Behavioral Medicine & Clinical Psychology

Collaborating Faculty: Crawford, P

Center for Innovation in Chronic Disease Health Policy & Clinical Effectiveness (Britto)

Collaboration with Biomedical Informatics

Collaborating Faculty: Spooner, A

EPIC Implementation Project (Britto)

Collaboration with Biomedical Informatics

Collaborating Faculty: Medvedovich, M

Genomic and Proteomic Biomarkers of Biologic Responses to Exposure grant (Biro)

Collaboration with Biostatistics & Epidemiology

Collaborating Faculty: Huang, B

Innovative Modeling of Puberty and Substance Use Risk (Biro)

Collaboration with Biostatistics & Epidemiology

Collaborating Faculty: Huang, B

Puberty and Cancer Initiation: Environment, Diet and Obesity (Biro)

Collaboration with Biostatistics & Epidemiology

Collaborating Faculty: Huang, B

Smoking and Metabolic Complications in Adolescent Girls (Dorn)

Collaboration with Biostatistics & Epidemiology

Collaborating Faculty: Huang, B

Behavioral and Virologic Impact of HPV Immunization (Kahn)

Collaboration with Biostatistics & Epidemiology

Collaborating Faculty: Morrow, A

Cincinnati Genomic Control Cohort project (Spigarelli)

Collaboration with Cardiology

Collaborating Faculty: Morrison, J

NHLBI Growth & Health Study (Biro)

Collaboration with Career Development

Collaborating Faculty: Degen, S

Fifth ThirdBank/Charlotte R Schmidlapp Women's Scholars Program (Dorn)

Collaboration with Career Development

Collaborating Faculty: Degen, S

New position as Assistant Chair of Academic Affairs & Faculty Development (Kahn)

Collaboration with Center for Health Care Quality

Collaborating Faculty: Margolis, P
Outcomes Research Project (Huppert)

Collaboration with Child & Adolescent Psychiatry

Collaborating Faculty: Brown, D
Workshop: Addressing Issues of Gay, Lesbian, Bisexual, Transgender, and Questioning Youth (Benson, Braverman, & Spigarelli)

Collaboration with Child & Adolescent Psychiatry

Collaborating Faculty: Burger, J; Collins, Y; Nelly, P; Nelson, D; Schappacher, S; Sorter, M
Workshop: Mood Disorders in Teens (Braverman)

Collaboration with Child & Adolescent Psychiatry

Collaborating Faculty: Sorter, M
Collaboration with The Linder Center re: eating disorders (Biro & Mitan)

Collaboration with Child & Adolescent Psychiatry

Collaborating Faculty: Sorter, M
Improving quality care of mental health needs of inpatient adolescents (Biro & Mitan)

Collaboration with Child & Adolescent Psychiatry

Collaborating Faculty: Engel, C
Psychiatric consultation (all Adolescent Medicine care providers)

Collaboration with Clinical Research Center

Collaborating Faculty: Heubi, J
Smoking and Metabolic Complications in Adolescent Girls (Dorn)

Collaboration with Clinical Research Center

Collaborating Faculty: Heubi, J
Smoking and Metabolic Complications in Adolescent Girls (Dorn)

Collaboration with Developmental & Behavioral Pediatrics

Collaborating Faculty: Schonfeld, D
ADHD Collaborative (Biro)

Collaboration with Emergency Medicine

Collaborating Faculty: Byczkowski, T
Chronic Care Research Group, Center for Innovation in Chronic Disease Health Policy & Clinical Effectiveness (Britto)

Collaboration with Emergency Medicine

Collaborating Faculty: Fitzgerald, M
UC medical education grant: A computer-based tool for providing feedback to residents (Lehmann)

Collaboration with Emergency Medicine

Collaborating Faculty: McAneney, C
Medical Student Scholars Program in Pediatrics; workshop of program at annual COMSEP meeting (Lehmann)

Collaboration with Emergency Medicine

Collaborating Faculty: McAneney, C
Ad-hoc task force for improvements for medical student communication/IT at CCHMC (Lehmann)

Collaboration with Emergency Medicine

Collaborating Faculty: Reed, J
A Strategy to Improve STI Testing and Results Notification in Adolescents: Advanced Improvement Methods (Huppert)

Collaboration with Emergency Medicine

Collaborating Faculty: Reed, J
Center for Point of Care Technologies Research for STDs (Huppert)

Collaboration with Emergency Medicine

Collaborating Faculty: Reed, J

Outcomes Research Project (Huppert)

Collaboration with Emergency Medicine

Collaborating Faculty: Vaughn, L

Initiative on Poverty, Justice and Health Elective, and submitted publication regarding program (Lehmann)

Collaboration with Emergency Medicine

Collaborating Faculty: Vaughn, L

Qualitative study of barriers to care of HIV infected orphans in Southern Africa (Lehmann)

Collaboration with Emergency Medicine

Collaborating Faculty: Vaughn, L

Attachment styles and eating disordered behavior in college age women (Lehmann)

Collaboration with Endocrinology

Collaborating Faculty: Backeljauw, P

Discussions re: a center for treatment of patients with adrenogenital disorders (Ayensu-Coker)

Collaboration with Endocrinology

Collaborating Faculty: Backeljauw, P; Rose, S

Young Adults with Turner Syndrome (Pediatric & Adolescent Gynecology Team)

Collaboration with Endocrinology

Collaborating Faculty: Backeljauw, P; Rutter, M

Disorders of Sexual Development Group (Pediatric & Adolescent Gynecology Team)

Collaboration with Gastroenterology

Collaborating Faculty: Denson, L

Metabolic Consequences of Substance Use in Adolescent Girls (Dorn)

Collaboration with Gastroenterology, Hepatology and Nutrition, & General Clinical Research Center

Collaborating Faculty: Heubi, J

Puberty and Cancer Initiation: Environment, Diet and Obesity (Biro)

Collaboration with Gastroenterology, Hepatology and Nutrition, & General Clinical Research Center

Collaborating Faculty: Heubi, J

Clinical Translational Sciences Award (Spigarelli)

Collaboration with General & Community Pediatrics

Collaborating Faculty: Brinkman, W

Chronic Care Research Group, Center for Innovation in Chronic Disease Health Policy & Clinical Effectiveness (Britto)

Collaboration with General & Community Pediatrics

Collaborating Faculty: Copeland, K

Behavioral and Virologic Impact of HPV Vaccines (Kahn)

Collaboration with General & Community Pediatrics

Collaborating Faculty: Guiot, A; Klein, M; Peltier, C

Ad-hoc task force for improvements for medical student communication/IT at CCHMC (Lehmann)

Collaboration with General & Community Pediatrics

Collaborating Faculty: Kalkwarf, H

Bone Mineral Density in Childhood (Biro)

Collaboration with General & Community Pediatrics

Collaborating Faculty: Kalkwarf, H

Puberty and Cancer Initiation: Environment, Diet and Obesity (Biro)

Collaboration with General & Community Pediatrics

Collaborating Faculty: Kalkwarf, H

Smoking and Metabolic Complications in Adolescent Girls (Dorn)

Collaboration with General & Community Pediatrics

Collaborating Faculty: Kalkwarf, H

Metabolic Consequences of Substance Use in Adolescent Girls (Dorn)

Collaboration with General & Community Pediatrics

Collaborating Faculty: Vossmeier, M

General Inpatient Service (GIS) (Biro)

Collaboration with Health Policy & Clinical Effectiveness

Collaborating Faculty: Kotagal, U

Center for Innovation in Chronic Disease Health Policy & Clinical Effectiveness; EPIC Implementation Project (Britto)

Collaboration with Hematology/Oncology

Collaborating Faculty: Burns, K; Pereutesis, J

Cancer survivorship and fertility preservation collaboration (Ayensu-Coker)

Collaboration with Hematology/Oncology

Collaborating Faculty: Mullins, E

Young Women with Bleeding Disorders Program (Ayensu-Coker)

Collaboration with Hematology/Oncology

Collaborating Faculty: Wells, S

Mentor, Building Interdisciplinary Careers in Women's Health (BICWH) (Widdice)

Collaboration with Hematology/Oncology

Collaborating Faculty: Wells, S

Mentor, Building Interdisciplinary Careers in Women's Health (BICWH) (Widdice)

Collaboration with Hereditary Cancer Program

Collaborating Faculty: Rushman, J

Puberty and Cancer Initiation: Environment, Diet and Obesity (Biro)

Collaboration with House Staff

Collaborating Faculty: Gonzalez, J; Mallory, M

Medical student and resident education (Lehmann)

Collaboration with Human Genetics

Collaborating Faculty: Hopkin, R; Saal, H

Disorders of Sexual Development Group; Discussions re: a center for treatment of patients with adrenogenital disorders (Breech)

Collaboration with Infectious Diseases

Collaborating Faculty: Bernstein, D

Mentor, Vaccine & Treatment Evaluation Unit (VTEU) grant; VTEU Network (Spigarelli)

Collaboration with Infectious Diseases

Collaborating Faculty: Bernstein, D

Behavioral and Virologic Impact of HPV Vaccines (Kahn)

Collaboration with Infectious Diseases

Collaborating Faculty: Bernstein, D

Mentor, Building Interdisciplinary Careers in Women's Health (BICWH) (Widdice)

Collaboration with Infectious Diseases

Collaborating Faculty: Brady, R

A Pharmacokinetic/Pharmacodynamic and Safety Evaluation of Tamiflu (Spigarelli)

Collaboration with Infectious Diseases

Collaborating Faculty: Brady, R

Rotation of fellows through the pediatric HIV clinic. Provide related lectures (Lehmann)

Collaboration with Mayerson Center

Collaborating Faculty: Makaroff, K

Collaboration re: guidelines for non-occupational exposure of HIV (Lehmann)

Collaboration with Pathology & Laboratory Medicine

Collaborating Faculty: Mortensen, J

Center for Point of Care Technologies Research for STDs; Rapid Trichomonas Tests: A Teen STI Prevention Strategy (Huppert)

Collaboration with Nursing

Collaborating Faculty: Ekstrand, R

A Strategy to Improve STI Testing and Results Notification in Adolescents: Advanced Improvement Methods (Huppert)

Collaboration with Pastoral Care

Collaborating Faculty: Grosseohme, D

Chronic Care Research Group, Center for Innovation in Chronic Disease Health Policy & Clinical Effectiveness (Britto)

Collaboration with Pediatric Surgery

Collaborating Faculty: Levitt, M; Pena, A

Colorectal Center for Children (Breech)

Collaboration with Pediatric Surgery

Collaborating Faculty: Inge, T

Provides gynecological and reproductive health consultation as part of the pre-operative bariatric surgery evaluation (Surgical Weight Loss Program for Teens (SWLPT)) (Pediatric & Adolescent Gynecology Team & Hillman)

Collaboration with Pediatric Urology

Collaborating Faculty: Alam, S; DeFoor, R; Minevich, E; Noh, P; Reddy, P; Sheldon, C; Traxel, E

Disorders of Sexual Development Group; Urogenital Center (Breech)

Collaboration with Pediatric Urology

Collaborating Faculty: DeFoor, W

Research on vesicoureteral reflux (Spigarelli)

Collaboration with Personalized & Predictive Medicine

Collaborating Faculty: Kovacic, M

R01 application on HPV in Fanconis anemia patients (Widdice)

Collaboration with Preventive Cardiology

Collaborating Faculty: Urbina, E

Cardiovascular risk factors (Biro)

Collaboration with Pulmonary Medicine

Collaborating Faculty: Seid, M

Chronic Care Research Group, Center for Innovation in Chronic Disease Health Policy & Clinical Effectiveness (Britto)

Collaboration with Rheumatology

Collaborating Faculty: Glass, D

Cincinnati Genomic Control Cohort project (Spigarelli)

Collaboration with Rheumatology

Collaborating Faculty: Thornton, S

SURF and medical student scholars program in Pediatrics (Lehmann)

Collaboration with Sports Medicine Biodynamics Center

Collaborating Faculty: Hewett, T

Identifying Female Athletes at High Risk for ACL Injury (Biro)

Faculty Members

Frank Biro, MD, Professor Clinical ; *Rauh Chair of Adolescent Medicine; Director, Division of Adolescent Medicine; Member, Search Committee, Director of Clinical Epidemiology & Biostatistics*

Research Interests: Environmental influences on body composition and pubertal timing; impact of peripubertal changes on risk factors for breast cancer.

Leslie Ayensu-Coker, MD, Assistant Professor Clinical

Research Interests: Hormone replacement therapy in ovarian insufficiency; conditions of sexual differentiation; adrenogenital disorders; fertility preservation in patients receiving chemotherapy; disorders of sexual development

Paul Benson, MD, MPH, Assistant Professor Clinical ; *Co-Director, GLBTA, CCHMC; Faculty Assessor, University of Cincinnati Annual Cincinnati Scholarship Competition*

Research Interests: Health care access for GLBT adolescents; obesity treatment

Paula Braverman, MD, Professor Clinical ; *Director of Community Programs, Division of Adolescent Medicine*

Research Interests: Program development of community programs, including "FUN & FIT" and the Postponing Sexual Involvement (PSI) Program

Lesley Breech, MD, Associate Professor Clinical ; *Section Leader, Section of Pediatric & Adolescent Gynecology*

Research Interests: Outcomes after surgical treatment of genital anomalies; management of young women with bleeding disorders.

Maria Britto, MD, MPH, Professor ; *Director, Center for Innovation in Chronic Care; Assistant Vice-President, Chronic Care Programs; Co-Director, Clinical Epidemiology and Clinical Effectiveness Track of the Masters of Science in Clinical Research; Faculty Lead, EPIC-Quality Integration Initiative; Faculty Lead, Patient Portals; Co-Leader, Advanced Improvement Methods Course*

Research Interests: Health care quality, especially for adolescents with chronic illness

Lorah Dorn, PhD, Professor ; *Director of Research, Division of Adolescent Medicine; Chairman, Fifth Third Bank/Charlotte R Schmidlapp Womens Scholars Program*

Research Interests: Behavioral endocrinology with respect to puberty and adolescence

Jennifer Hillman, MD, Assistant Professor Clinical

Research Interests: The association of anxiety, depression, and obesity among adolescent girls; hormonal contraception and polycystic ovary syndrome among severely obese adolescent females.

Jill Huppert, MD, MPH, Assistant Professor Clinical

Research Interests: Reduction of the negative health consequences of STIs, especially Trichomoniasis, in young women.

Jessica Kahn, MD, MPH, Associate Professor ; *Director of Research Training, Division of Adolescent Medicine; Assistant Chair for Academic Affairs and Faculty Development*

Research Interests: Cervical cancer prevention, human papillomavirus (HPV) in adolescents, HPV and other adolescent vaccines, HIV in adolescents, global delivery of HPV vaccines

Corinne Lehmann, MD, Associate Professor Clinical ; *Director, Medical Student & Resident Rotations; Director, Medical Students Scholar Program in Pediatrics; Medical Director, Special Care Clinic (for pediatric HIV patients)*

Research Interests: Medical education of physician residents

Laurie Mitan, MD, Associate Professor Clinical ; *Director, Eating Disorders Program, Division of Adolescent Medicine*

Research Interests: Treatment issues in patients with eating disorders

Joseph Rauh, MD, Professor Clinical ; *Professor Emeritus*

Michael Spigarelli, MD, PhD, Assistant Professor Clinical ; *Director, Adolescent Medicine Fellowship; Director, Clinical Trials Office*

Research Interests: Understanding how pubertal and nutritional status affect pharmacokinetics, pharmacodynamics, and pharmacogenetics in adolescents

Lea Widdice, MD, Assistant Professor Clinical

Research Interests: Epidemiology of HPV and effects of HPV vaccination

Clinical Staff Members

- Susan Brown, MD

- **Ann Marie Dougherty, RD, LD**
- **James Ebert, MD**
- **Carol Engel, MD**
- **Lauren Ettinger, RD**
- **Susannah Grimes, MSN, PNP**
- **Linda Kollar, MSN, PNP**
- **Linda Martin, MSSW, LISW**
- **Anne Martina, MSN, CNP**
- **Edith Morris, PhD, RN, CS-PNP**
- **Tanya Kowalczyk Mullins, MD**
- **Shannon Myatt, RN, MSN, CPNP**
- **Janet Nash, LISW**
- **Lisa Reebals, RN, CNP**
- **Jane Parker Smith, RN, CNP**
- **Ronna Staley, MD**
- **Anna Liisa Vockell, CNP**
- **Louise Watts, MSN**
- **Giselle Schneider Weller, MD**
- **Janet Wimberg, MSW**

Trainees

- **Kenisha Campbell, MD**, 1st yr, University of Rochester Medical Center
- **Michele Dritz, MD**, 2nd yr, St Louis Children's Hospital
- **Jason Mehrtens, MD**, 2nd yr, Gen Leonard Wood Army Community Hospital
- **Tanya Mullins, MD**, 2nd yr, Medical Univ of South Carolina
- **Sonya Negriff, PhD**, 2nd yr, Univ of Southern California
- **Lisa Lam Park, MD**, 3rd yr, Georgetown University
- **Chad Shenk, PhD**, 2nd yr, Univ of Rochester Medical Center
- **Akilah Weber-Lashore, MD**, 1st yr, John H Stroger Hospital of Cook County, Chicago IL

Significant Accomplishments

BIRCWH Fellowship

The Building Interdisciplinary Research Careers in Women's Health (BIRCWH) award supports the research career development of junior faculty members who have recently completed clinical training or postdoctoral fellowships, and who are commencing basic, translational, or clinical research, and/or health services research relevant to women's health. The Division of Adolescent Medicine is proud to have two scholars currently in this program, Drs Lea Widdice and Jennifer Hillman.

Dr. Widdice has been exploring the transmission of HPV between sexually active couples and the reasons for the development of persistent infections. Persistent HPV infections are the known cause of cervical cancer in women. She is also examining the immunogenicity of the HPV vaccine when the three doses are given at intervals not recommended by clinical guidelines, and reasons why patients do not get the vaccine doses at the recommended times, a component of Dr. Jessica Kahn's HPV project.

Dr. Hillman is exploring the relationship between anxiety and depressive disorders with obesity among school-age and adolescent girls. She is evaluating behavioral and neuroendocrine factors that may represent shared pathophysiological mechanisms in anxiety/depressive disorders and obesity. She is examining two ongoing longitudinal studies of school-age and adolescent girls within the Division, Health Behavior Study (L Dorn, PI) and Growing Up Female Study (F Biro, PI).

Center for Innovation in Chronic Disease Care

The mission of the Center for Innovation in Chronic Disease Care, under the direction of Maria Britto, MD, MPH, is to improve outcomes for children and adolescents with chronic illnesses by accelerating the development of effective care

delivery models. The Center's asthma innovation lab, located in the Teen Health Center, develops and tests many of these innovations. This year, it focused on translating key recommendations from CCHMC's evidence-based practice guideline for self-management into usable clinical tools. It prototyped and tested these tools, which have been incorporated subsequently into Epic and are now in use in six other CCHMC clinics. Using these tools, the lab provided evidence-based self-management support, and through this work and other efforts led to a 25% increase in the proportion of teens achieving optimal asthma control.

Sexual Health and Adoption Education Project

The Sexual Health and Adoption Education Project was conducted by a team consisting of Paula Braverman MD, Director of Community Programs, and Christopher Kraus JD, MTS, Advocacy Director, in the Division of Adolescent Medicine at CCHMC; and Keith King, PhD, CHES in Health Promotion and Education at the University of Cincinnati. This one year project, which began in the summer of 2008, was funded by the Ohio Department of Health under their project "Abstinence Plus Adoption Education Project." The team developed guidelines for comprehensive sexual health and adoption education which included sections on topic content, program selection and program implementation. Existing evidence-based curricula on comprehensive sex education were highlighted, and two 45 minute pilot modules on adoption were developed. These new modules included an original video developed by the team which included members of the adoption triad talking about their experiences with adoption.

In the winter of 2009, the team, along with Tony Davis, Health Educator, and Dr. Kenisha Campbell, Adolescent Medicine Fellow, conducted four training sessions for teachers throughout Ohio. Seven schools participated in the pilot during the spring of 2009 and included urban, suburban, and rural sites. The teachers, students, and school administrators filled out surveys at the end of the pilot. Initial review of the data indicates that the majority of students were very satisfied with the knowledge gained in the program and confident in their ability to make healthy decisions regarding sexual behaviors and in considering adoption as an unplanned pregnancy outcome option. The majority of the teachers reported being very satisfied with the program and likely to continue using the program in the future. A detailed analysis of the data is underway along with a final program report.

Division Publications

1. Levitt MA, Bischoff A, Breech L, Pena A. [Rectovestibular fistula--rarely recognized associated gynecologic anomalies](#). *J Pediatr Surg*. 2009 ; 44: 1261-7; discussion 1267.
2. Biro FM. ["Precocious puberty."](#) *Clinical cases in pediatric & adolescent gynecology CD-ROM*. Washington, D.C.: American College of Obstetricians and Gynecologists and the North American Society for Pediatric and Adolescent Gynecology; 2009:
3. Biro FM. ["Puberty in girls."](#) *Pediatric, adolescent, & young adult gynecology*. Chichester, UK ; Hoboken, NJ: Wiley-Blackwell; 2009: 141-144.
4. Braverman PK. ["Chronic abdominal pain."](#) *Handbook of adolescent health care*. Philadelphia: Wolters Kluwer Health/Lippincott Williams & Wilkins; 2009: 342-346.
5. Braverman PK. ["Dysmenorrhea and premenstrual syndrome."](#) *Handbook of adolescent health care*. Philadelphia: Wolters Kluwer Health/Lippincott Williams & Wilkins; 2009: 460-466.
6. Hillman JB, Spigarelli MG. ["Sexuality: its development and direction."](#) *Developmental-behavioral pediatrics*. Philadelphia, PA: Saunders/Elsevier; 2009: 415-425.
7. Huppert JS, Biro FM. ["Adolescents and sexually transmitted infections."](#) *Clinical pediatric and adolescent gynecology*. New York, NY: Informa Healthcare; 2009: 263-276.
8. Kahn JA. ["Human papillomavirus infection and anogenital warts."](#) *Handbook of adolescent health care*. Philadelphia: Wolters Kluwer Health/Lippincott Williams & Wilkins; 2009: 580-583.
9. Mitan LAP, Slap GB. ["dysfunctional uterine bleeding."](#) *Handbook of adolescent health care*. Philadelphia: Wolters Kluwer Health/Lippincott Williams & Wilkins; 2009: 467-469.
10. Susman EJ, Dorn LD. ["Puberty: its role in development."](#) *Handbook of adolescent psychology*. Hoboken, NJ: John Wiley & Sons, Inc.; 2009: 116-151.
11. Widdice LE, Moscicki AB. ["Human papillomavirus and abnormal cervical cytology in adolescents."](#) *Clinical pediatric and adolescent gynecology*. New York, NY: Informa Healthcare; 2009: 124-139.
12. Dorn LD, Kolko DJ, Susman EJ, Huang B, Stein H, Music E, Bukstein OG. [Salivary gonadal and adrenal hormone differences in boys and girls with and without disruptive behavior disorders: Contextual variants](#). *Biol Psychol*. 2009; 81: 31-9.
13. Gunderson EP, Striegel-Moore R, Schreiber G, Hudes M, Biro F, Daniels S, Crawford PB. [Longitudinal study of growth and adiposity in parous compared with nulligravid adolescents](#). *Arch Pediatr Adolesc Med*. 2009; 163:

14. Yi MS, Britto MT, Sherman SN, Moyer MS, Cotton S, Kotagal UR, Canfield D, Putnam FW, Carlton-Ford S, Tsevat J. [Health values in adolescents with or without inflammatory bowel disease](#) . *J Pediatr*. 2009; 154: 527-34.
15. Auslander BA, Biro FM, Succop PA, Short MB, Rosenthal SL. [Racial/ethnic differences in patterns of sexual behavior and STI risk among sexually experienced adolescent girls](#) . *J Pediatr Adolesc Gynecol*. 2009; 22: 33-9.
16. Biro FM, Wolff MS, Kushi LH. [Impact of yesterday's genes and today's diet and chemicals on tomorrow's women](#) . *J Pediatr Adolesc Gynecol*. 2009; 22: 3-6.
17. Diler RS, Birmaher B, Axelson D, Goldstein B, Gill M, Strober M, Kolko DJ, Goldstein TR, Hunt J, Yang M, Ryan ND, Iyengar S, Dahl RE, Dorn LD, Keller MB. [The Child Behavior Checklist \(CBCL\) and the CBCL-bipolar phenotype are not useful in diagnosing pediatric bipolar disorder](#) . *J Child Adolesc Psychopharmacol*. 2009; 19: 23-30.
18. Linam WM, Margolis PA, Staat MA, Britto MT, Hornung R, Cassidy A, Connelly BL. [Risk factors associated with surgical site infection after pediatric posterior spinal fusion procedure](#) . *Infect Control Hosp Epidemiol*. 2009; 30: 109-16.
19. Alexander D, Boat T, Britto M, Burke A, Homes A, Sectish T, Stanton B, Stevenson D. [Federation of Pediatric Organizations Task Force on Women in Pediatrics: considerations for part-time training and employment for research-intensive fellows and faculty](#) . *J Pediatr*. 2009; 154: 1-3 e2.
20. Britto MT, Wimberg J. [Pediatric personal health records: current trends and key challenges](#) . *Pediatrics*. 2009; 123 Suppl 2: S97-9.
21. Pattullo L, Griffeth S, Ding L, Mortensen J, Reed J, Kahn J, Huppert J. [Stepwise diagnosis of Trichomonas vaginalis infection in adolescent women](#) . *J Clin Microbiol*. 2009; 47: 59-63.
22. Versteeg KM, Knopf JM, Posluszny S, Vockell AL, Britto MT. [Teenagers wanting medical advice: Is MySpace the answer?](#) . *Arch Pediatr Adolesc Med*. 2009; 163: 91-2.
23. Kahn JA, Ding L, Huang B, Zimet GD, Rosenthal SL, Frazier AL. [Mothers' intention for their daughters and themselves to receive the human papillomavirus vaccine: a national study of nurses](#) . *Pediatrics*. 2009; 123: 1439-45.
24. Marklein E, Negriff S, Dorn LD. [Pubertal timing, friend smoking, and substance use in adolescent girls](#) . *Prev Sci*. 2009; 10: 141-50.
25. Pabst SR, Negriff S, Dorn LD, Susman EJ, Huang B. [Depression and anxiety in adolescent females: the impact of sleep preference and body mass index](#) . *J Adolesc Health*. 2009; 44: 554-60.
26. Weber-LaShore A, Biro F. [Cervicitis and sexually transmitted infections in the adolescent population](#) . *Female Patient*. 2009; 34: 34-6.
27. Breech LL, Laufer MR. [Mullerian anomalies](#) . *Obstet Gynecol Clin North Am*. 2009; 36: 47-68.
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Grants, Contracts, and Industry Agreements

Grant and Contract Awards

Annual Direct / Project Period Direct

BIRO, F

Puberty and Cancer Initiation: Environment Diet and Obesity

National Institutes of Health (University of Cincinnati)

U01 ES 012770 09/29/03 - 07/31/10 \$223,281 / \$1,904,529

Puberty and Cancer Initiation: Environment Diet and Obesity

National Institutes of Health (University of Cincinnati)

U01 ES 012770 (supplement) 08/01/08 - 07/31/09 \$35,844 / \$35,844

Genomic and Proteomic Biomarkers of Biologic Responses to Exposure

National Institutes of Health (University of Alabama at Birmingham)

U01 ES 016003 08/15/07 - 05/31/11 \$43,880 / \$219,800

Exposure Assessment of Biomarkers of Polyfluoroalkyl Compounds in Persons Living in the Ohio River Valley

National Institutes of Health (University of Cincinnati)

R21 ES 017176 08/19/08 - 07/31/10 \$12,052 / \$24,200

BRAVERMAN, P

Child and Family Health Services - Adolescent Medicine Program

Ohio Department of Health (Hamilton County Family & Children First Council)

S31000-A 07/01/08 - 06/30/09 \$88,000 / \$88,000

Postponing Sexual Involvement Youth Development

City of Cincinnati

01/01/08 - 01/14/10 \$63,750 / \$188,750

BRITTO, M

Developing Quality Measures to Assess Pediatric Inpatient Respiratory Care

National Institutes of Health (Children's Hosp & Reg Med Ct-Seattle)

R01 HL 088503 03/01/09 - 02/28/14 \$68,910 / \$390,478

DORN, L

Metabolic Consequences of Substance Use in Adolescent Girls

National Institutes of Health

R21 DA 025312 05/15/09 - 04/30/11 \$150,000 / \$275,000

HILLMAN, J

Cincinnati Interdisciplinary Women's Health Research Training Grant

National Institutes of Health (University of Cincinnati)

K12 HD 051953 05/01/09 - 07/31/09 \$28,756 / \$28,756

HUPPERT, J

Rapid Trichomonas Tests: A Teen STI Prevention Strategy

National Institutes of Health

K23 AI 063182 07/01/05 - 05/31/10 \$116,500 / \$582,500

Center for Point of Care Technologies Research for STDs

National Institutes of Health (Johns Hopkins University)

U54 EB 007958 09/30/07 - 06/30/12 \$32,178 / \$245,624

STD/HIV Prevention Training Centers

Centers for Disease Control and Prevention (City of Cincinnati Health Department)

04/01/07 - 03/31/09

\$22,256 / \$43,847

KAHN, J.**ATN Coordinating Center**

National Institutes of Health (University of Alabama at Birmingham)

U01 HD 040533

03/01/07 - 02/28/10

\$59,213 / \$99,029

Behavioral and Virologic Impact of HPV Immunization

National Institutes of Health

R01 AI 073713

01/15/08 - 12/31/12

\$383,997 / \$1,906,862

Behavioral and Virologic Impact of HPV Immunization

National Institutes of Health

R01 AI 073713 (supplement)

06/19/09 - 09/30/10

\$10,000 / \$10,000

Recommendation of HPV Vaccination Among US Physicians

National Institutes of Health (H Lee Moffit Cancer Center & Research Institute)

R01 AI 076440

07/02/08 - 06/30/12

\$10,816 / \$43,470

SPIGARELLI, M**A Pharmacokinetic/Pharmacodynamic and Safety Evaluation of Tamiflu**

National Institutes of Health (University of Alabama at Birmingham)

N01 AI 030025

10/01/07 - 07/31/10

\$91,538 / \$188,691

WIDDICE, E**Cincinnati Interdisciplinary Women's Health Research Career Training Grant**

National Institutes of Health (University of Cincinnati)

K12 HD 051953

01/01/07 - 07/31/09

\$115,020 / \$219,126

Current Year Direct**\$ 1,555,991****Industry Contracts****Hillard, P**

Duramed Research, Inc.

\$ 7,715

Widdice, E

Merck & Company, Inc.

\$ 42,255

Current Year Direct Receipts**\$ 49,970****Service Collaborations****Braverman, P**

Hamilton County Juvenile Court

\$ 953,350

Kahn, J

World Health Organization

\$ 44,003

Current Year Direct**\$ 1,009,353****Funded Collaborative Efforts****Biro, F****Identifying Female Athletes at High Risk of ACL Injury**

National Institutes of Health

Hewett, T

09/21/04 - 08/31/09

5 %

Innovative Modeling of Puberty and Substance Use Risk

National Institutes of Health

Huang, B

04/10/06 - 12/31/09

4 %

Bone Mineral Density in Childhood Study

National Institutes of Health/NIHCD Kalkwarf, H	05/01/06 - 07/30/09	7 %
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Britto, M

Determinants of Health-Related Quality of Life for Children with JIA National Institutes of Health Seid, M	05/01/08 - 04/30/13	3 %
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Developing an In Vivo Adherence Intervention National Institutes of Health Seid, M	05/01/08 - 04/30/13	5 %
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Dorn, L

Innovative Modeling of Puberty and Substance Use Risk National Institutes of Health Huang, B	04/10/06 - 12/31/09	16 %
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Widdice, E

Vaccine and Treatment Evaluation Units (VTEUs): Evaluation of Control Measures Against Diseases Other than AIDS National Institutes of Health/NIAID Bernstein, D	11/01/07 - 01/31/14	10 %
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Total	\$
	2,615,314
