Adolescent Medicine Report, 2009-10

Division Data Summary

<table>
<thead>
<tr>
<th>Research and Training Details</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Number of Faculty</td>
<td>16</td>
</tr>
<tr>
<td>Number of Joint Appointment Faculty</td>
<td>2</td>
</tr>
<tr>
<td>Number of Research Fellows</td>
<td>4</td>
</tr>
<tr>
<td>Number of Research Students</td>
<td>1</td>
</tr>
<tr>
<td>Number of Support Personnel</td>
<td>79</td>
</tr>
<tr>
<td>Direct Annual Grant Support</td>
<td>$2,803,913</td>
</tr>
<tr>
<td>Direct Annual Industry Support</td>
<td>$65,243</td>
</tr>
<tr>
<td>Peer Reviewed Publications</td>
<td>35</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Clinical Activities and Training</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Number of Clinical Staff</td>
<td>19</td>
</tr>
<tr>
<td>Number of Clinical Fellows</td>
<td>10</td>
</tr>
<tr>
<td>Number of Clinical Students</td>
<td>50</td>
</tr>
<tr>
<td>Number of Other Students</td>
<td>10</td>
</tr>
<tr>
<td>Inpatient Encounters</td>
<td>3,950</td>
</tr>
<tr>
<td>Outpatient Encounters</td>
<td>23,037</td>
</tr>
</tbody>
</table>

Significant Publications

Britto MT, Fuentes-Afflick E, Sectish TC, Stanton B. Federation of Pediatric Organizations Task Force on

This study demonstrated that many research intensive pediatric faculty, especially women, desire part-time and flexible work. Numerous institutional, attitudinal, and logistical barriers were identified. This work is guiding the next phase of the work of the FOPO Task Force on Women in Pediatrics II.


This study evaluated the association between anxiety and depressive symptoms and obesity among adolescent females using adiposity measures from DXA as well as more standard measures such as BMI calculated from measured height and weight. Trait anxiety and depressive symptoms were positively associated with BMI and percentage body fat; higher anxiety and depressive symptoms were associated with an increased BMI and a higher percentage of body mass from fat. The findings demonstrate a link between psychological distress and objective measures of adiposity during the critical developmental period of adolescence.


This manuscript introduced a novel statistical approach for examining the contribution of relative timing of pubertal maturation, using ordinal logistic modeling. This statistical approach could be extended to other analyses, especially those incorporating relative timing of an event as an important explanatory variable.


A Clinical Therapeutics review in The New England Journal of Medicine was entitled "HPV Vaccination for the Prevention of Cervical Intraepithelial Neoplasia." The article begins with a case vignette of a young woman requesting HPV vaccination. The remainder of the article is devoted to discussion of the pathophysiology and clinical sequelae of HPV infection, clinical trials data regarding HPV vaccines, clinical use of HPV vaccines, remaining areas of uncertainty, and published guidelines concerning use. The article concludes with author's recommendations for HPV vaccination. The article provides guidance for practicing clinicians regarding use of HPV vaccines.


Adolescents who had agreed to HIV testing were offered their choice of HIV testing method. Seventy percent of participants chose rapid HIV testing with oral fluid or fingerstick whole blood sampling, contrasted to traditional venipuncture enzyme immunoassay HIV testing. Adolescents who chose a rapid HIV testing method were significantly more likely to receive their HIV test results during the follow-up period when compared to those who chose traditional venipuncture testing (91.3% vs. 46.7%).

**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, Lipstein)

**Collaboration with Asthma Research**

**Collaborating Faculty:** Hershey, G
Cincinnati Genomic Control Cohort project (Spigarelli)

**Collaboration with Behavioral Medicine & Clinical Psychology**

**Collaborating Faculty:** Crawford, P
Center for Innovation in Chronic Disease Health Policy & Clinical Effectiveness (Britto)

**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, Lipstein)

**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:** Noll, J
Co-Investigator on grant submission and co-author of subsequent manuscripts (Dorn)

Collaboration with Behavioral Medicine & Clinical Psychology
Collaborating Faculty: Smolyansky, B
ADHD Collaborative (Biro)
Workshop: Mood Disorders in Teens (Braverman)
The Linder Center re: eating disorders (Biro & Mitan)

Collaboration with Biomedical Informatics
Collaborating Faculty: Medvedovich, M
Genomic and Proteomic Biomarkers of Biologic Responses to Exposure grant (Biro)

Collaboration with Biomedical Informatics
Collaborating Faculty: Spooner, A
EPIC Implementation Project (Britto)

Collaboration with Biostatistics & Epidemiology
Collaborating Faculty: Huang, B
Innovative Modeling of Puberty and Substance Use Risk (Biro)
Puberty and Cancer Initiation: Environment, Diet and Obesity (Biro)
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 Third Bank/Charlotte R Schmidlapp Women’s Scholars Program (Dorn)
New position as Assistant Chair of Academic Affairs & Faculty Development (Kahn)

Collaboration with Center for Better Health and Nutrition
Collaborating Faculty: Siegel, R
The Advanced Clinic held monthly at Oak location; Providing gynecologic and adolescent medicine consultation for obese adolescents with multiple obesity-related co-morbidities in a multidisciplinary clinic setting (Hillman)

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

Collaboration with Child & Adolescent Psychiatry
Collaborating Faculty: Sorter, M
The Linder Center re: eating disorders (Biro & Mitan)
Improving quality care of mental health needs of inpatient adolescents (Biro & Mitan)

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, Lipstein)

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)
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)
- Center for Point of Care Technologies Research for STDs (Huppert)
- Outcomes Research Project (Huppert)

**Collaboration with Emergency Medicine**

**Collaborating Faculty:** Vaughn, L
- Intiative on Poverty, Justice and Health Elective, and submitted publication regarding program (Lehmann)
- Qualitative study of barriers to care of HIV infected orphans in Southern Africa (Lehmann)
- 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 Endocrinology**

**Collaborating Faculty:** Lovell, D
- Parent decision-making about treatment with biologics (Lipstein)

**Collaboration with Endocrinology**

**Collaborating Faculty:** Rose, S
- Premature Adrenarche Study (Dorn)

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

**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:** Denson, L
- Parent decision-making about treatment with biologics (Lipstein)

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

**Collaborating Faculty:** Heubi, J
- Puberty and Cancer Initiation: Environment, Diet and Obesity (Biro)
- 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, Lipstein)

**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)
- Puberty and Cancer Initiation: Environment, Diet and Obesity (Biro)
- Smoking and Metabolic Complications in Adolescent Girls (Dorn)
- Metabolic Consequences of Substance Use in Adolescent Girls (Dorn)

**Collaboration with General & Community Pediatrics**

**Collaborating Faculty:** Vossmeyer, 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 (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 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)
Behavioral and Virologic Impact of HPV Vaccines (Kahn)
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)
Rotation of fellows through the pediatric HIV clinic. Provide related lectures (Lehmann)
Collaboration with Infectious Diseases

Collaborating Faculty: Frenck, R
Co-editor for AMSTARs Issue on Infectious Disease and Immunizations (Braverman)
Collaboration with Information Systems

Collaborating Faculty: Blacklidge, M
EPIC Inpatient Templates for Adolescent Medicine GIS/Green Team Service (Benson)
Collaboration with Mayerson Center

Collaborating Faculty: Makaroff, K
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: Grossoehme, D
Chronic Care Research Group, Center for Innovation in Chronic Disease Health Policy & Clinical Effectiveness (Britto, Lipstein)
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 Surgery

Collaborating Faculty: Levitt, M; Pena, A
Colorectal Center for Children (Breech)
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, Lipstein)

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
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

Establishing Best Practices
In our ongoing efforts to improve our clinical practice, the division continued a monthly seminar series examining current clinical behaviors and establishing best outcomes for specific conditions. We focused on conditions that occur frequently or have a high morbidity, including asthma, obesity, depression, STI/HIV screening and immunization.

For each condition, we studied current practices and reviewed scientific literature to determine national data and evidence-based practices. After establishing clinical markers, the group examines subsequent data and monitors improvement.

Based on recommendations from the NHLBI for asthma management, the asthma best practices group defined “perfect care” as documenting asthma severity, using controller and rescue medication appropriately and developing an asthma action plan.

Our most recent monthly chart survey showed that 75 percent of asthma patients at Cincinnati Children’s had received...
Our most recent monthly chart survey showed that 75 percent of asthma patients at Cincinnati Children’s had received “perfect care.” The division plans to launch programs to improve clinical outcomes of one additional condition each year.

Educating Ohio Students
Paula Braverman, MD, received funding through the State of Ohio to develop health, sexual health and HIV prevention curricula for middle- and high-school students. The Ohio Department of Health also posted her report on guidelines for sexual health and adoption education.

Most recently, Braverman and her team received funding from the National Campaign to Prevent Teen and Unplanned Pregnancy for the “Man2Man” project, currently implemented in local recreation centers and the Hamilton County Juvenile Detention Center. This innovative program includes weekly small group sessions for adolescent male students, led by adult male facilitators. The sessions include discussions about fatherhood, relationships, decision-making, abstinence, HIV risk behaviors, skills integration and contraceptive protection.

Division Publications

1.:

Grants, Contracts, and Industry Agreements

<table>
<thead>
<tr>
<th>Grant and Contract Awards</th>
<th>Annual Direct / Project Period Direct</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Biro, F</strong></td>
<td></td>
</tr>
<tr>
<td>Puberty and Cancer Initiation: Environment Diet and Obesity</td>
<td></td>
</tr>
<tr>
<td>University of Cincinnati (National Institutes of Health)</td>
<td></td>
</tr>
<tr>
<td>U01 ES 012770</td>
<td>09/29/03 - 07/31/10</td>
</tr>
<tr>
<td>Genomic and Proteomic Biomarkers of Biologic Responses to Exposure</td>
<td></td>
</tr>
<tr>
<td>University of Alabama-Birmingham (National Institutes of Health)</td>
<td></td>
</tr>
<tr>
<td>U01 ES 016003</td>
<td>08/15/07 - 05/31/11</td>
</tr>
<tr>
<td>Exposure Assessment of Biomarkers of Polyfluoroalkyl Compounds in Persons Living in the Ohio River Valley</td>
<td></td>
</tr>
<tr>
<td>University of Cincinnati (National Institutes of Health)</td>
<td></td>
</tr>
<tr>
<td>R21 ES 017176</td>
<td>08/19/08 - 07/31/10</td>
</tr>
<tr>
<td>Impact of Peripubertal Exposure to Xenohormones on Fat Distributions and Cytokines</td>
<td></td>
</tr>
<tr>
<td>National Institutes of Health</td>
<td></td>
</tr>
<tr>
<td>R21 ES 017315</td>
<td>04/01/10 - 03/31/12</td>
</tr>
<tr>
<td><strong>Braverman, P</strong></td>
<td></td>
</tr>
<tr>
<td>Male Youth-Juvenile Court</td>
<td></td>
</tr>
<tr>
<td>National Campaign to Prevent Teen and Unplanned Pregnancy</td>
<td></td>
</tr>
<tr>
<td>10/05/09 - 03/01/11</td>
<td></td>
</tr>
<tr>
<td>Health Educators Focus Groups: Investigating the Definition of Comprehensive Health Education on Ohio Schools</td>
<td></td>
</tr>
<tr>
<td>Ohio Department of Education</td>
<td></td>
</tr>
<tr>
<td>08/01/09 - 06/30/10</td>
<td></td>
</tr>
<tr>
<td><strong>HIV Prevention Guidelines</strong></td>
<td></td>
</tr>
<tr>
<td>Ohio Department of Education</td>
<td></td>
</tr>
<tr>
<td>12/22/09 - 06/30/11</td>
<td></td>
</tr>
<tr>
<td><strong>Britto, M</strong></td>
<td></td>
</tr>
<tr>
<td>Developing Quality Measures to Assess Pediatric Inpatient Respiratory Care</td>
<td></td>
</tr>
<tr>
<td>Children's Hospital &amp; Regional Medical Center-Seattle (National Institutes of Health)</td>
<td></td>
</tr>
<tr>
<td>R01 HL 088503</td>
<td>03/01/09 - 02/28/14</td>
</tr>
<tr>
<td><strong>Dorn, L</strong></td>
<td></td>
</tr>
<tr>
<td>Metabolic Consequences of Substance Use in Adolescent Girls</td>
<td></td>
</tr>
<tr>
<td>National Institutes of Health</td>
<td></td>
</tr>
<tr>
<td>R21 DA 025312</td>
<td>05/15/09 - 04/30/11</td>
</tr>
<tr>
<td><strong>Hillman, J</strong></td>
<td></td>
</tr>
<tr>
<td>Cincinnati Interdisciplinary Women’s Health Research Career Training Grant</td>
<td></td>
</tr>
<tr>
<td>Name</td>
<td>Project Title</td>
</tr>
<tr>
<td>---------------</td>
<td>-------------------------------------------------------------------------------</td>
</tr>
<tr>
<td>Huppert, J</td>
<td>Center for Point-of-Care Technologies Research for STDs</td>
</tr>
<tr>
<td></td>
<td>STD/HIV Prevention Training Centers</td>
</tr>
<tr>
<td>Kahn, J</td>
<td>ATN Coordinating Center</td>
</tr>
<tr>
<td></td>
<td>Behavioral and Virologic Impact of HPV Immunization</td>
</tr>
<tr>
<td></td>
<td>Behavioral and Virologic Impact of HPV Immunization - Summer Supplement</td>
</tr>
<tr>
<td></td>
<td>Recommendation of HPV Vaccination Among US Physicians</td>
</tr>
<tr>
<td></td>
<td>HPV Vaccination of Underserved Adolescent and Young Women in Pennsylvania</td>
</tr>
<tr>
<td></td>
<td>HPV Vaccination, Attitudes and Sequential Behaviors In Adolescent Women</td>
</tr>
<tr>
<td>Spigarelli, M</td>
<td>Clinical Trials for Antiviral Therapies</td>
</tr>
<tr>
<td>Widdice, E</td>
<td>Cincinnati Interdisciplinary Women's Health Research Career Training Grant</td>
</tr>
</tbody>
</table>

**Current Year Direct**  $2,803,913

**Industry Contracts**

<table>
<thead>
<tr>
<th>Name</th>
<th>Company</th>
<th>Funding Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>Huppert, J</td>
<td>Gen-Probe Incorporated</td>
<td>$ 43,120</td>
</tr>
<tr>
<td>Spigarelli, M</td>
<td>Pfizer, Inc.</td>
<td>$ 7,508</td>
</tr>
<tr>
<td></td>
<td>Takeda Global Research &amp; Development Ctr, Inc.</td>
<td>$ 14,615</td>
</tr>
</tbody>
</table>

**Current Year Direct Receipts**  $65,243

**Service Collaborations**

<table>
<thead>
<tr>
<th>Name</th>
<th>Organization</th>
<th>Funding Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>Braverman, P</td>
<td>FUN &amp; FIT; Clinical and Translational Science Awards (CTSA)</td>
<td>$ 18,074</td>
</tr>
<tr>
<td>Funded Collaborative Efforts</td>
<td></td>
<td></td>
</tr>
<tr>
<td>---------------------------------------------------------------------------------------------</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Biro, F</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Genome Wide Association Study of Bone Mineral Accretion During Childhood</td>
<td></td>
<td></td>
</tr>
<tr>
<td>NIHCD</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Kalkwarf, H</td>
<td></td>
<td></td>
</tr>
<tr>
<td>$\text{02/01/10 - 01/31/14}$</td>
<td></td>
<td></td>
</tr>
<tr>
<td>5 %</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Britto, M</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Open Source Science: Transforming Chronic Illness Care</td>
<td></td>
<td></td>
</tr>
<tr>
<td>National Institutes of Health/NIDDK</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Seid, M</td>
<td></td>
<td></td>
</tr>
<tr>
<td>$\text{09/01/09 - 08/31/10}$</td>
<td></td>
<td></td>
</tr>
<tr>
<td>5 %</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Lehmann, C</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Vaccine and Treatment Evaluation Units (VTEUs): Evaluation of Control Measures Against Diseases Other than AIDS</td>
<td></td>
<td></td>
</tr>
<tr>
<td>National Institutes of Health/NIAID</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Bernstein, D</td>
<td></td>
<td></td>
</tr>
<tr>
<td>$\text{05/01/02 - 08/31/10}$</td>
<td></td>
<td></td>
</tr>
<tr>
<td>5 %</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Widdice, L</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Vaccine and Treatment Evaluation Units (VTEUs): Evaluation of Control Measures Against Diseases Other than AIDS</td>
<td></td>
<td></td>
</tr>
<tr>
<td>National Institutes of Health/NIAID</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Bernstein, D</td>
<td></td>
<td></td>
</tr>
<tr>
<td>$\text{05/01/02 - 08/31/10}$</td>
<td></td>
<td></td>
</tr>
<tr>
<td>10 %</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Total</strong> $3,924,708**</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>