

Adolescent and Transition Medicine

Division Details

RESEARCH AND TRAINING DETAILS

Faculty	16
Joint Appointment Faculty	2
Research Graduate Students	3
Total Annual Grant Award Dollars	\$1,985,020
Total Publications	60

CLINICAL ACTIVITIES AND TRAINING

Clinical Fellows	5
Inpatient Encounters	1,259
Outpatient Encounters	17,335



Row 1: D Thornton, M Britto, L Conard, C Gordon, C Lehmann, J Kahn

Row 2: P Braverman, E Lipstein, A Nye, F Biro, T Mullins, S Patterson-Rose

Research Highlights

Frank Biro, MD

[Dr. Biro, MD](#), is the director of research in the [Division of Adolescent and Transition Medicine](#). His research focuses on pubertal maturation; how the timing of puberty is impacted by the physical, chemical and social environment; and how changes associated with puberty impact adolescent and adult morbidity and mortality. Publications this year have examined how thyroid antagonists affect childhood growth among American girls. He was also part of a collaborative report examining the relation between brominated flame retardants, other organohalogenated compounds, and the timing of puberty. [Dr. Gordon, MD, MSc](#), has joined his collaborative team to understand how environment chemical exposure during adolescence may impact insulin-like growth factor I secretion and implications for breast cancer risk. Dr. Biro's research repeatedly draws attention from the national media.

Catherine Gordon, MD, MsC

Since her arrival in 2015, [Dr. Gordon, MD, MSc](#), has launched a new clinical program at Cincinnati Children's Hospital Medical Center, The Center for Primary Ovarian Insufficiency (POI), from which have stemmed new clinical research studies. One project enrolls young adolescents with POI (also termed, "early menopause") to understand the relationship between hormone replacement therapy and bone health, among other medical and psychological outcomes. Dr. Gordon has also launched a study to investigate yoga as a therapy to decrease anxiety and counter bone loss in adolescent girls with restrictive eating disorders. Dr. Gordon's scientific articles this year highlight work carried out in adolescents and young adults with anorexia nervosa, cystic fibrosis, and congenital heart disease. She also co-authored an international committee report that proposes a life-course approach to nutrition and bone health, and another report on factors that influence peak bone mass. The latter report stimulated the organization of a conference on the determinants of peak bone mass at the [National Institutes of Health](#) in November 2015, for which Dr. Gordon served on the planning committee..

Ellen Lipstein, MD

[Dr. Lipstein, MD, MPH](#), conducts research focusing on improving the care and health of both children and adolescents with chronic disease by improving the treatment decision-making process. Findings from a recent study in the [Journal of Pediatrics](#) found that physicians have an interest in sharing decisions with parents and adolescents. Most providers indicated that parent and adolescent trust and emotional readiness facilitated shared decision making and that, other than insurance limitations, there were few barriers to sharing decisions. Interestingly, these findings were in contrast to prior observational work, suggesting that even physicians interested in engaging in shared decision making may not always have the skills and resources needed to fully implement it. Another report examined the process of decision making around treatment for pediatric chronic disease, and differences noted with respect to the patient vs. parents. Many of Dr. Lipstein's studies were carried out with [Dr. Maria Britto, MD, MPH](#), director, [Center for Innovation in Chronic Disease Care](#) at Cincinnati Children's. Dr. Lipstein is one of the 2015 Charlotte R. Schmidlapp Scholars, a prestigious funding program that recognizes outstanding women scientists at Cincinnati Children's.

Jessica Kahn, MD, MPH

[Dr. Kahn](#) conducts interdisciplinary research on the prevention of disease related to human papillomavirus (HPV) in young men and women. This year, she published results from a study examining the epidemiology of oral HPV in HIV-infected youth. Another report examined adolescents' intention and self-efficacy to follow Pap testing recommendations after receiving the HPV vaccine. Other ongoing studies are examining the epidemiology and risk factors for genital HPV infection among adolescents and predictors of HPV vaccine recommendations by clinics and uptake by both parents and adolescents. Her work is funded by an R01 from the [NIAID](#), and a U01 from the [NICHD](#) which supports the [Adolescent Medicine Trials Network for HIV/AIDS Interventions](#), for which Dr. Kahn has served as a member of the Therapeutic Leadership Group.

Tanya Mullins MD

Dr. Mullins' research focuses on the outcomes of human papillomavirus (HPV) vaccination in adolescents and use of new biomedical HIV prevention methods among adolescents, such as pre-exposure prophylaxis (PrEP). Dr. Mullins was the lead author on a report in *Vaccine* that examined risk perceptions, sexual attitudes, and sexual behavior after HPV vaccination in young adolescent girls. Dr. Mullins was an invited participant for the UNICEF-sponsored conference, "Consultation on Clinical and Operational Considerations for the Implementation of PrEP in Sexually Active Older Adolescents."

Eleanor Widdice, MD

[Dr. Widdice](#) conducts research focusing on optimal testing for sexually transmitted infections (STI) in adolescents and young adults. She collaborates with community organizations to demonstrate acceptability and feasibility of providing STI screening and treatment in the community. She is especially interested in rapid tests that may contribute to national efforts to avoid the overuse of antibiotics for STIs, a practice that has contributed to the emerging increase in antibiotic-resistant gonorrhea. This year, she was a co-author on a report with Drs. [Eric Mullins](#) and [Jessica Kahn](#) examining risk perception, and sexual attitudes and behaviors after receipt of the HPV vaccination.

Significant Publications

Donaldson A, Feldman HA, O'Donnell J, Gopalakrishnan G, [Gordon CM](#). [Spinal bone texture assessed by trabecular bone score \(TBS\) in adolescent girls with anorexia nervosa](#). *J Clin Endocrinol Metab*. 2015 Sep;100(9):3436-42.

The annual meeting of the Pediatric Academic Societies chose this article as one of the "Top 10 articles for 2015". Trabecular bone score (TBS) is a bone assessment tool that offers information beyond that afforded by standard dual-energy x-ray absorptiometry (DXA) bone mineral density (BMD) measurements. TBS showed evidence of degraded microarchitecture in over 40% of this sample of 57 adolescent girls with anorexia nervosa, and strongly correlated with anthropometric data and measures of BMD and skeletal strength. TBS is a novel tool that captures another dimension of bone health in these patients.

[Braverman PK](#), Adelman WP, Alderman EM, Breuner CC, Levine DA, Marcell AV, O'Brien R. COUNCIL ON FOSTER CARE; ADOPTION, AND KINSHIP CARE; COMMITTEE ON ADOLESCENCE, and COUNCIL ON EARLY CHILDHOOD. [Health care issues for children and adolescents in foster care and kinship care](#). *Pediatrics*. 2015 Oct;136(4):e1131-40.

This Position Statement was a collaborative effort by several committees of the American Academy of Pediatrics. In addition to outlining the recommended clinical care for youth in foster and kinship care who commonly have unmet health needs, there was emphasis on the importance of pediatricians providing a medical home, educating the youth themselves on their medical needs, and addressing coordination of care. Recommendations were also given about the role of pediatricians in advocacy efforts at the larger community and state level to ensure comprehensive health care for these youth.

Dodds CM, Britto MT, Denson LA, Lovell DJ, Saeed S, Lipstein EA. Physician's perceptions of shared decision making in chronic disease and its barriers and facilitators. *J Pediatr.* 2016 Apr;171:307-9.e1-2.

Findings from this study reveal that physicians want to share decisions with both parents and adolescents. Most physicians indicated that parent and adolescent trust and emotional readiness facilitated shared decision making and that, other than insurance limitations, there were few barriers to sharing decisions. These results contrast with our prior observational work, suggesting that even physicians who want to engage in shared decision making may not always have the skills and resources needed to fully implement it.

Kahn JA, Rudy BJ, Xu J, Kapogiannis B, Secord E, Gillison M. Prevalence and risk factors for oral DNA tumor viruses in HIV-infected youth. *J Med Virol.* 2016 Nov;88(11):1944-52.

Human papillomavirus (HPV), Epstein-Barr virus (EBV), and Kaposi sarcoma-associated herpes virus (KSHV) may promote oral cancers, especially among immunosuppressed individuals. The incidence rates of HPV-associated oropharyngeal cancers are rising. In this study, HIV-infected youth tested for oral HPV, EBV, and KSHV infection and viral load. The study identified common risks for infection, which included substance use and HIV-related factors. Understanding oral tumor virus co-infections in HIV-infected individuals is important, as effective interventions will help to prevent viral-associated oral cancers in this population.

Division Publications

1. Becnel JN, Zeller MH, Noll JG, Sarwer DB, Reiter-Purtill J, Michalsky M, Peugh J, Biro FM, TeenView Study Group in cooperation with Teen Labs Consortium. **Romantic, Sexual, and Sexual Risk Behaviours of Adolescent Females with Severe Obesity.** *Pediatr Obes.* 2016.
2. Ben-Harush Negari S, Kahn J. **Human Papillomavirus Infection and Anogenital Warts.** In: L Neinstein, D Katzman, S Callahan et al, eds. *Neinstein's Adolescent and Young Adult Health Care: A Practical Guide.* Philadelphia: Wolters Kluwer; 2016:502-07.
3. Bialo SR, Gordon CM. **The Weight of Vitamin D on Obesity Outcomes: What Do We Know?** *J Adolesc Health.* 2015; 57:1-2.
4. Biro F. **Normal Puberty.** In: E Bieber, J Sanfilippo, I Horowitz, M Shafi, eds. *Clinical Gynecology, Second Edition.* New York: Cambridge University Press; 2015:493-505.
5. Biro F, Chan Y. **Puberty.** Waltham MA: UpToDate; 2016 [updated April 1, 2016].
6. Biro F, Keiss W. **Contemporary Trends in Onset of Completion of Puberty, Gain in Height and Adiposity.** In: J Bourguignon, A Parent, eds. *Puberty from Bench to Clinic: Lessons for Clinical Management of Pubertal Disorders (Endocrine Development).* Basel, Switzerland: S. Karger; 2015:122-33.
7. Biro FM, Kiess W. **Contemporary Trends in Onset and Completion of Puberty, Gain in Height and Adiposity.** *Endocr Dev.* 2016; 29:122-33.
8. Boss EF, Mehta N, Nagarajan N, Links A, Benke JR, Berger Z, Espinel A, Meier J, Lipstein EA. **Shared Decision Making and Choice for Elective Surgical Care: A Systematic Review.** *Otolaryngol Head Neck Surg.* 2016; 154:405-20.
9. Braverman P. **Chronic Abdominal Pain.** In: L Neinstein, D Katzman, T Callahan et al, eds. *Neinstein's Adolescent and Young Adult Health Care: A Practical Guide.* Philadelphia: Wolters Kluwer; 2016:322-28.

10. Braverman P. **Dysmenorrhea and Premenstrual Disorders**. In: L Neinstein, D Katzman, T Callahan et al, eds. *Neinstein's Adolescent and Young Adult Health Care: A Practical Guide*. Philadelphia: Wolters Kluwer; 2016:405-11.
11. Cheng HH, Carmona F, McDavitt E, Wigmore D, Perez-Rossello JM, Gordon CM, Pigula FA, Laussen PC, Rajagopal SK. **Fractures Related to Metabolic Bone Disease in Children with Congenital Heart Disease**. *Congenit Heart Dis*. 2016; 11:80-6.
12. Council On Foster Care, Adoption and Kinship Care, Committee on Adolescence, Council On Early Childhood, Braverman PK. **Health Care Issues for Children and Adolescents in Foster Care and Kinship Care**. *Pediatrics*. 2015; 136:e1131-40.
13. DiVasta AD, Feldman HA, Gallagher JS, Stokes NA, Laufer MR, Hornstein MD, Gordon CM. **Hormonal Add-Back Therapy for Females Treated with Gonadotropin-Releasing Hormone Agonist for Endometriosis: A Randomized Controlled Trial Editorial Comment**. *Obstet Gynecol Surv*. 2015; 70:693-94.
14. DiVasta AD, Feldman HA, Sadler Gallagher J, Stokes NA, Laufer MR, Hornstein MD, Gordon CM. **Hormonal Add-Back Therapy for Females Treated with Gonadotropin-Releasing Hormone Agonist for Endometriosis: A Randomized Controlled Trial**. *Obstet Gynecol*. 2015; 126:617-27.
15. Dodds CM, Britto MT, Denson LA, Lovell DJ, Saeed S, Lipstein EA. **Physicians' Perceptions of Shared Decision Making in Chronic Disease and Its Barriers and Facilitators**. *J Pediatr*. 2016; 171:307-9 e1-2.
16. Donaldson AA, Feldman HA, O'Donnell JM, Gopalakrishnan G, Gordon CM. **Spinal Bone Texture Assessed by Trabecular Bone Score in Adolescent Girls with Anorexia Nervosa**. *J Clin Endocrinol Metab*. 2015; 100:3436-42.
17. Donaldson AA, Gordon CM. **Skeletal Complications of Eating Disorders**. *Metabolism*. 2015; 64:943-51.
18. Ewan LA, McLinden D, Biro F, DeJonckheere M, Vaughn LM. **Mapping the Views of Adolescent Health Stakeholders**. *J Adolesc Health*. 2016; 58:24-32.
19. Fleischman A, Gordon C. **Amenorrhea, the Polycystic Ovary Syndrome, and Hirsutism**. In: L Neinstein, D Katzman, S Callahan et al, eds. *Neinstein's Adolescent and Young Adult Health Care: A Practical Guide*. Philadelphia: Wolters Kluwer; 2016:415-27.
20. Gallagher JS, Feldman HA, Stokes NA, Laufer MR, Hornstein MD, Gordon CM, DiVasta AD. **The Effects of GnRha Plus Add-Back Therapy on Quality of Life for Adolescents with Endometriosis: A Randomized Controlled Trial**. *J Pediatr Adolesc Gynecol*. 2016.
21. Gordon CM, Kanaoka T, Nelson LM. **Update on Primary Ovarian Insufficiency in Adolescents**. *Curr Opin Pediatr*. 2015; 27:511-9.
22. Grosseohme D, Lipstein E. **Analyzing Longitudinal Qualitative Data: The Application of Trajectory and Recurrent Cross-Sectional Approaches**. *BMC Res Notes*. 2016; 9:136.
23. Grosseohme DH, Teeters A, Jelinek S, Dimitriou SM, Conard LA. **Screening for Spiritual Struggle in an Adolescent Transgender Clinic: Feasibility and Acceptability**. *J Health Care Chaplain*. 2016; 22:54-66.
24. Grout RL, Beal SJ, Kahn JA, Widdice LE. **Provider-Level Characteristics Associated with Adolescent Varicella, Meningococcal, and Human Papillomavirus Immunization Initiation**. *Clin Pediatr (Phila)*. 2016; 55:44-7.
25. Higgins LM, Dirksing KN, Ding L, Morrow CD, Widdice LA, Kahn JA. **Adolescents' Intention and Self-Efficacy to Follow Pap Testing Recommendations after Receiving the Hpv Vaccine**. *Hum Vaccin Immunother*. 2016; 12:1498-503.
26. In-lw S, Braverman PK, Bates JR, Biro FM. **The Impact of Health Education Counseling on Rate of Recurrent Sexually Transmitted Infections in Adolescents**. *J Pediatr Adolesc Gynecol*. 2015; 28:481-5.
27. Joffe A, Boyer CB, Britto MT. **Call for Papers on Adolescent and Young Adult Health**. *JAMA Pediatr*. 2015; 169:714.
28. Kahn JA, Rudy BJ, Xu J, Kapogiannis B, Secord E, Gillison M. **Prevalence and Risk Factors for Oral DNA Tumor Viruses in HIV-Infected Youth**. *J Med Virol*. 2016; 88:1944-52.

29. Kasting ML, Shapiro GK, Rosberger Z, Kahn JA, Zimet GD. **Tempest in a Teapot: A Systematic Review of Hpv Vaccination and Risk Compensation Research.** *Hum Vaccin Immunother.* 2016; 12:1435-50.
30. Kinnear B, O'Toole JK. **Care of Adults in Children's Hospitals: Acknowledging the Aging Elephant in the Room.** *JAMA Pediatr.* 2015; 169:1081-2.
31. Lewiecki EM, Binkley N, Morgan SL, Shuhart CR, Camargos BM, Carey JJ, Gordon CM, Jankowski LG, Lee JK, Leslie WD, International Society for Clinical Densitometry. **Best Practices for Dual-Energy X-Ray Absorptiometry Measurement and Reporting: International Society for Clinical Densitometry Guidance.** *J Clin Densitom.* 2016; 19:127-40.
32. Lipstein EA. **1400 Miles.** *J Pediatr.* 2015; 167:950-1.
33. Lipstein EA, Britto MT. **Evolution of Pediatric Chronic Disease Treatment Decisions: A Qualitative, Longitudinal View of Parents' Decision-Making Process.** *Med Decis Making.* 2015; 35:703-13.
34. Lipstein EA, Dodds CM, Lovell DJ, Denson LA, Britto MT. **Making Decisions About Chronic Disease Treatment: A Comparison of Parents and Their Adolescent Children.** *Health Expect.* 2016; 19:716-26.
35. Lipstein EA, Lindly OJ, Anixt JS, Britto MT, Zuckerman KE. **Shared Decision Making in the Care of Children with Developmental and Behavioral Disorders.** *Matern Child Health J.* 2016; 20:665-73.
36. Mervish NA, Pajak A, Teitelbaum SL, Pinney SM, Windham GC, Kushi LH, Biro FM, Valentin-Blasini L, Blount BC, Wolff MS, Breast C, Environment Research Project. **Thyroid Antagonists (Perchlorate, Thiocyanate, and Nitrate) and Childhood Growth in a Longitudinal Study of Us Girls.** *Environ Health Perspect.* 2016; 124:542-9.
37. Mitan L, Schwartz B. **Abnormal Uterine Bleeding.** In: L Neinstein, D Katzman, T Callahan et al, eds. *Neinstein's Adolescent and Young Adult Health Care: A Practical Guide.* Philadelphia: Wolters Kluwer; 2016:412-41.
38. Mitchell PJ, Cooper C, Dawson-Hughes B, Gordon CM, Rizzoli R. **Life-Course Approach to Nutrition.** *Osteoporos Int.* 2015; 26:2723-42.
39. Mullins TL, Miller RJ, Mullins ES. **Evaluation and Management of Adolescents with Abnormal Uterine Bleeding.** *Pediatr Ann.* 2015; 44:e218-22.
40. Mullins TL, Widdice LE, Rosenthal SL, Zimet GD, Kahn JA. **Risk Perceptions, Sexual Attitudes, and Sexual Behavior after Hpv Vaccination in 11-12 Year-Old Girls.** *Vaccine.* 2015; 33:3907-12.
41. Neinstein L. *Neinstein's Adolescent and Young Adult Health Care: A Practical Guide.* The Netherlands:Wolters Kluwer.
42. Patterson-Rose S, Braverman P. **Vaginitis and Vaginosis.** In: L Neinstein, D Katzman, T Callahan et al, eds. *Neinstein's Adolescent and Young Adult Health Care: A Practical Guide.* Philadelphia: Wolters Kluwer; 2016:433-37.
43. Pavel M, Jimison HB, Korhonen I, Gordon CM, Saranummi N. **Behavioral Informatics and Computational Modeling in Support of Proactive Health Management and Care.** *IEEE Trans Biomed Eng.* 2015; 62:2763-75.
44. Pinney SM, Biro FM. **Letter to the Editor Re Morollo-Frosh Communicating Results in Post-Belmont Era Biomonitoring Studies.** *Environ Res.* 2015; 142:756.
45. Postenrieder NR, Reed JL, Hesse E, Kahn JA, Ding L, Gaydos CA, Rompalo A, Widdice LE. **Rapid Antigen Testing for Trichomoniasis in an Emergency Department.** *Pediatrics.* 2016; 137.
46. Putman MS, Baker JF, Uluer A, Herlyn K, Lapey A, Sicilian L, Tillotson AP, Gordon CM, Merkel PA, Finkelstein JS. **Trends in Bone Mineral Density in Young Adults with Cystic Fibrosis over a 15 Year Period.** *J Cyst Fibros.* 2015; 14:526-32.
47. Putman MS, Greenblatt LB, Sicilian L, Uluer A, Lapey A, Sawicki G, Gordon CM, Bouxsein ML, Finkelstein JS. **Young Adults with Cystic Fibrosis Have Altered Trabecular Microstructure by Its-Based Morphological Analysis.** *Osteoporos Int.* 2016; 27:2497-505.

48. Rahmandar M, Biro F. **Suicide and Self-Worth**. In: H Omar, ed. *Youth Suicide Prevention: Everybody's Business*. New York, NY: Nova Science Publishing Inc.; 2015.
49. Reed J, Huppert J, Taylor R, Gillespie G, Alessandrini E, Kahn J. **The Impact of Post-Visit Emergency Department Follow-up on Sexually Transmitted Infection Related Return Visits**. *Ann Public Health Res*. 2015; 2:1026.
50. Simoneau T, Sawicki GS, Milliren CE, Feldman HA, Gordon CM. **A Randomized Controlled Trial of Vitamin D Replacement Strategies in Pediatric Cf Patients**. *J Cyst Fibros*. 2016; 15:234-41.
51. Society for Adolescent H, Medicine. **Emergency Contraception for Adolescents and Young Adults: Guidance for Health Care Professionals**. *J Adolesc Health*. 2016; 58:245-8.
52. Szilagyi MA, Rosen DS, Rubin D, Zlotnik S, Council On Foster Care, Adoption Kinship Care, Committee On Adolescence, Council On Early Childhood. **Health Care Issues for Children and Adolescents in Foster Care and Kinship Care**. *Pediatrics*. 2015; 136:e1142-66.
53. Thomas R, Higgins L, Ding L, Widdice LE, Chandler E, Kahn JA. **Factors Associated with Hpv Vaccine Initiation, Vaccine Completion, and Accuracy of Self-Reported Vaccination Status among 13- to 26-Year-Old Men**. *Am J Mens Health*. 2016.
54. Thornton D, Gordon CM. **Restrictive Eating Disorders and Skeletal Health in Adolescent Girls and Young Women**. *Calcif Tissue Int*. 2016:1.
55. Topor L, Borus J, Aspinwall S, Gilbert C, Gordon C, Huh S. **Fractures among Inpatients in a Pediatric Hospital**. *Hosp Pediatr*. 6:143.
56. Van Rompay MI, McKeown NM, Goodman E, Eliasziw M, Chomitz VR, Gordon CM, Economos CD, Sackeck JM. **Sugar-Sweetened Beverage Intake Is Positively Associated with Baseline Triglyceride Concentrations, and Changes in Intake Are Inversely Associated with Changes in Hdl Cholesterol over 12 Months in a Multi-Ethnic Sample of Children**. *J Nutr*. 2015; 145:2389-95.
57. Weaver CM, Gordon CM, Janz KF, Kalkwarf HJ, Lappe JM, Lewis R, O'Karma M, Wallace TC, Zemel BS. **The National Osteoporosis Foundation's Position Statement on Peak Bone Mass Development and Lifestyle Factors: A Systematic Review and Implementation Recommendations**. *Osteoporos Int*. 2016; 27:1281-386.
58. Windham GC, Pinney SM, Voss RW, Sjodin A, Biro FM, Greenspan LC, Stewart S, Hiatt RA, Kushi LH. **Brominated Flame Retardants and Other Persistent Organohalogenated Compounds in Relation to Timing of Puberty in a Longitudinal Study of Girls**. *Environ Health Perspect*. 2015; 123:1046-52.
59. Wolff MS, Teitelbaum SL, McGovern K, Pinney SM, Windham GC, Galvez M, Pajak A, Rybak M, Calafat AM, Kushi LH, Biro FM, Breast C, Environment Research Program. **Environmental Phenols and Pubertal Development in Girls**. *Environ Int*. 2015; 84:174-80.
60. Wong JM, Gallagher M, Gooding H, Feldman HA, Gordon CM, Ludwig DS, Ebbeling CB. **A Randomized Pilot Study of Dietary Treatments for Polycystic Ovary Syndrome in Adolescents**. *Pediatr Obes*. 2016; 11:210-20.

Grants, Contracts, and Industry Agreements

Annual Grant Award Dollars

Investigator	Title	Sponsor	ID	Dates	Amount
Frank Michael Biro, MD	Continued Studies of Environmental Impact on Puberty	National Institutes of Health	U01 ES019453	9/1/2010 - 4/30/2017	\$684,754
Frank Michael Biro, MD	Mammary Carcinogenesis: Pubertal and Adult Effects of	National Institutes of Health (Michigan State University)	U01 ES026119	9/30/2015 - 6/30/2020	\$61,654

High Fat Diet

Paula K Braverman, MD	Obesity Prevention Program	Hamilton County Public Health	School-based nutriti	7/1/2014 - 9/30/2016	\$77,910
Paula K Braverman, MD	Education Curriculum and Train the Trainer Program	Ohio Department of Health	2015G99SU15	4/1/2016 - 2/1/2017	\$20,000
Jessica A Kahn, MD	Building Interdisciplinary Research Careers in Women's Health Research	National Institutes of Health (University of Cincinnati)	K12 HD051953	7/1/2015 - 6/30/2020	\$12,252
Jessica A Kahn, MD	Epidemiologic Impact of HPV Vaccination	National Institutes of Health	R01 AI104709	1/1/2016 - 12/31/2017	\$675,052
Jessica A Kahn, MD	ATN Coordinating Center	National Institutes of Health (University of Alabama-Birmingham)	U01 HD040533	5/28/2011 - 2/29/2016	\$6,272
Ellen A Lipstein, MD	Shared Decision Making In Pediatric Chronic Conditions: Bilogics in IBD & JIA	National Institutes of Health	K23 HD073149	8/15/2012 - 7/31/2016	\$131,490
Tanya Lilliane Kowalczyk Mullins, MD-MS	Physician Attitudes toward New Biomedical HIV Prevention Interventions in Youth	National Institutes of Health	K23 HD072807	9/19/2013 - 8/31/2018	\$130,086
Eleanor Widdice, MD	Center for Point-of-care Technologies Research for Sexually Transmitted Diseases	National Institutes of Health (Johns Hopkins School of Medicine)	U54 EB007958	7/1/2012 - 6/30/2017	\$158,926
Eleanor Widdice, MD	Microwave-Accelerated Metal-Enhanced Fluorescence (MAMEF) of CT & GC	National Institutes of Health (University of Maryland (College Park))	R03 AI117272	7/6/2015 - 6/30/2017	\$26,624

Total Annual Grant Award Dollars

\$1,985,020