

# Adolescent and Transition Medicine

## Division Details

### RESEARCH AND TRAINING DETAILS

|                                  |             |
|----------------------------------|-------------|
| Faculty                          | 16          |
| Joint Appointment Faculty        | 4           |
| Total Annual Grant Award Dollars | \$1,401,702 |

### CLINICAL ACTIVITIES AND TRAINING

|                       |        |
|-----------------------|--------|
| Clinical Fellows      | 7      |
| Inpatient Encounters  | 1,141  |
| Outpatient Encounters | 15,015 |



Row 1: J Kahn, C Lehmann, J Woodward, C Gordon

Row 2: E Widdice, E Chandler, F Biro, E Lipstein

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## Division Publications

- Gordon LB; Kleinman ME; Massaro J; D'Agostino RB; Shappell H; Gerhard-Herman M; Smoot LB; Gordon CM; Cleveland RH; Nazarian A. **Clinical Trial of the Protein Farnesylation Inhibitors Lonafarnib, Pravastatin, and Zoledronic Acid in Children With Hutchinson-Gilford Progeria Syndrome.** *Circulation.* 2016; 134:114-125.
- Havens PL; Stephensen CB; Van Loan MD; Schuster GU; Woodhouse LR; Flynn PM; Gordon CM; Pan CG; Rutledge B; Liu N. **Decline in Bone Mass With Tenofovir Disoproxil Fumarate/Emtricitabine Is Associated With Hormonal Changes in the Absence of Renal Impairment When Used by HIV-Uninfected Adolescent Boys and Young Men for HIV Preexposure Prophylaxis.** *Clinical Infectious Diseases.* 2017; 64:317-325.
- Kahn JA; Widdice LE; Ding L; Huang B; Brown DR; Franco EL; Bernstein DI. **Substantial Decline in Vaccine-Type Human Papillomavirus (HPV) Among Vaccinated Young Women During the First 8 Years After HPV Vaccine Introduction in a Community.** *Clinical Infectious Diseases.* 2016; 63:1281-1287.
- Meshner D; Soldan K; Lehtinen M; Beddows S; Brisson M; Brotherton JML; Chow EPF; Cummings T; Drolet M; Fairley CK. **Population-Level Effects of Human Papillomavirus Vaccination Programs on Infections with Nonvaccine Genotypes.** *Emerging infectious diseases.* 2016; 22:1732-1740.
- Deierlein AL; Wolff MS; Pajak A; Pinney SM; Windham GC; Galvez MP; Silva MJ; Calafat AM; Kushi LH; Biro FM. **Longitudinal Associations of Phthalate Exposures During Childhood and Body Size Measurements in Young Girls.** *Epidemiology.* 2016; 27:492-499.

6. Paik JM; Rosen HN; Gordon CM; Curhan GC. **Diuretic Use and Risk of Vertebral Fracture in Women.** *American Journal of Medicine.* 2016; 129:1299-1306.
7. Gordon CM; Ackerman KE; Berga SL; Kaplan JR; Mastorakos G; Misra M; Murad MH; Santoro NF; Warren MP. **Functional Hypothalamic Amenorrhea: An Endocrine Society Clinical Practice Guideline.** *Journal of Clinical Endocrinology and Metabolism.* 2017; 102:1413-1439.
8. Jarin J; Pine-Twaddell E; Trotman G; Stevens J; Conard LA; Tefera E; Gomez-Lobo V. **Cross-Sex Hormones and Metabolic Parameters in Adolescents With Gender Dysphoria.** *Pediatrics.* 2017; 139:e20163173.
9. Bachrach LK; Gordon CM; SECTION ON ENDOCRINOLOGY. **Bone Densitometry in Children and Adolescents..** *Pediatrics.* 2016; 138:e20162398.
10. Golden NH; Schneider M; Wood C; Daniels S; Abrams S; Corkins M; De Ferranti S; Magge SN; Schwarzenberg S; Critch J. **Preventing obesity and eating disorders in adolescents.** *Pediatrics.* 2016; 138:e20161649.
11. Gordon CM; Zemel BS; Wren TAL; Leonard MB; Bachrach LK; Rauch F; Gilsanz V; Rosen CJ; Winer KK. **The Determinants of Peak Bone Mass.** *The Journal of Pediatrics.* 2017; 180:261-269.
12. DiVasta AD; Feldman HA; O'Donnell JM; Long J; Leonard MB; Gordon CM. **Effect of Exercise and Antidepressants on Skeletal Outcomes in Adolescent Girls With Anorexia Nervosa.** *Journal of Adolescent Health.* 2017; 60:229-232.
13. Kahn JA; Xu J; Kapogiannis BG; Sleasman JW. **Antibody Responses to Quadrivalent HPV Vaccination in HIV-Infected Young Women as Measured by Total IgG and Competitive Luminex Immunoassay.** *Journal of acquired immune deficiency syndromes and human retrovirology : official publication of the International Retrovirology Association.* 2017; 75:241-245.
14. Vadaparampil ST; Malo TL; Sutton SK; Ali KN; Kahn JA; Casler A; Salmon D; Walkosz B; Roetzheim RG; Zimet GD. **Missing the Target for Routine Human Papillomavirus Vaccination: Consistent and Strong Physician Recommendations Are Lacking for 11-to 12-Year-Old Males.** *Cancer epidemiology, biomarkers & prevention : a publication of the American Association for Cancer Research, cosponsored by the American Society of Preventive Oncology.* 2016; 25:1435-1446.
15. Mullins TLK; Zimet G; Lally M; Kahn JA; HIV AMTN. **Adolescent Human Immunodeficiency Virus Care Providers' Attitudes Toward the Use of Oral Pre-Exposure Prophylaxis in Youth.** *AIDS patient care.* 2016; 30:339-348.
16. DiVasta AD; Feldman HA; Rubin CT; Gallagher JS; Stokes N; Kiel DP; Snyder BD; Gordon CM. **The ability of low-magnitude mechanical signals to normalize bone turnover in adolescents hospitalized for anorexia nervosa.** *Osteoporosis International.* 2017; 28:1255-1263.
17. DiVasta AD; Feldman HA; O'Donnell JM; Long J; Leonard MB; Gordon CM. **Skeletal outcomes by peripheral quantitative computed tomography and dual-energy X-ray absorptiometry in adolescent girls with anorexia nervosa.** *Osteoporosis International.* 2016; 27:3549-3558.
18. 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.** *Osteoporosis International.* 2016; 27:2497-9.
19. Mullins TLK; Zimet GD; Rosenthal SL; Morrow C; Ding L; Huang B; Kahn JA. **Human papillomavirus vaccine-related risk perceptions and subsequent sexual behaviors and sexually transmitted infections among vaccinated adolescent women.** *Vaccine.* 2016; 34:4040-4045.
20. Peterson CM; Tissot AM; Matthews A; Hillman JB; Peugh JL; Rawers E; Tong J; Mitan L. **Impact of short-term refeeding on appetite and meal experiences in new onset adolescent eating disorders.** *Appetite.* 2016; 105:298-305.
21. Thornton D; Gordon CM. **Restrictive Eating Disorders and Skeletal Health in Adolescent Girls and Young Women.** *Calcified Tissue International.* 2017; 100:449-460.

22. Wolff MS; Pajak A; Pinney SM; Windham GC; Galvez M; Rybak M; Silva MJ; Ye X; Calafat AM; Kushi LH. **Associations of urinary phthalate and phenol biomarkers with menarche in a multiethnic cohort of young girls.** *Reproductive Toxicology*. 2017; 67:56-64.
23. Lipstein EA; Lovell DJ; Denson LA; Kim SC; Spencer C; Ittenbach RF; Britto MT. **High Levels of Decisional Conflict and Decision Regret When Making Decisions About Biologics.** *Journal of Pediatric Gastroenterology and Nutrition*. 2016; 63:e176-e181.
24. Brinkman WB; Lipstein EA; Taylor J; Schoettker PJ; Naylor K; Jones K; Vora SS; Mims CC; Roth-Wojcicki E; Gottlieb B. **Design and implementation of a decision aid for juvenile idiopathic arthritis medication choices.** *Pediatric Rheumatology Online Journal*. 2017; 15:48.
25. Lipstein EA; Lovell DJ; Denson LA; Kim SC; Spencer C; Britto MT. **Parents' information needs and influential factors when making decisions about TNF-alpha inhibitors.** *Pediatric Rheumatology Online Journal*. 2016; 14:53.

## Grants, Contracts, and Industry Agreements

### Annual Grant Award Dollars

| Investigator            | Title  | Sponsor   | ID                          | Dates                         | Amount    |
|-------------------------|--|---|-----------------------------|-------------------------------|-----------|
| Jessica A Kahn, MD      | ATN Coordinating Center  | National Institutes of Health<br>(University of Alabama-<br>Birmingham)               | U01<br>HD040533             | 05/28/2011<br>-<br>12/31/2017 | \$17,701  |
| Eleanor Widdice, MD     | Center for Point-of-care<br>Technologies Research for<br>Sexually Transmitted Diseases | National Institutes of Health<br>(Johns Hopkins School of<br>Medicine)                | U54<br>EB007958             | 07/01/2012<br>-<br>06/30/2017 | \$160,588 |
| Paula K Braverman, MD   | Obesity Prevention Program   | Hamilton County Public Health   | School-<br>based<br>nutriti | 07/01/2014<br>-<br>09/30/2016 | \$18,897  |
| Eleanor Widdice, MD     | Microwave-Accelerated Metal-<br>Enhanced Fluorescence<br>(MAMEF) of CT and GC          | National Institutes of Health<br>(University of Maryland<br>(College Park))           | R03<br>AI117272             | 07/06/2015<br>-<br>06/30/2017 | \$28,436  |
| Frank Michael Biro, MD  | Mammary Carcinogenesis:<br>Pubertal and Adult effects of<br>High Fat Diet+ Oxybenzone  | National Institutes of Health<br>(Michigan State University)                          | U01<br>ES026119             | 09/30/2015<br>-<br>06/30/2020 | \$61,547  |
| Jessica A Kahn, MD      | Epidemiologic Impact of HPV<br>Vaccination   | National Institutes of Health)  | R01<br>AI104709             | 01/01/2016<br>-<br>12/31/2017 | \$646,404 |
| Ellen A Lipstein, MD    | PCORnet Obesity<br>Demonstration Projects:<br>Antibiotics Study                        | Patient-Centered Outcome<br>Research Inst. (Children's<br>Hospital of Philadelphia)   | obs-1505-<br>30699          | 02/01/2016<br>-<br>01/31/2018 | \$153,117 |
| Maria T Britto, MD, MPH | Pediatric Hospital Care<br>Improvement Project   | Agcy for Healthcare Research<br>and Quality (Children's Hosp &<br>Reg Med Ct-Seattle) | U18<br>HS025291             | 09/30/2016<br>-<br>09/29/2020 | \$48,787  |
| Ellen A Lipstein, MD    | Shared Decision Making In<br>Pediatric Chronic Conditions:<br>Biologics in IBD and JIA | National Institutes of Health   | K23<br>HD073149             | 08/01/2016<br>-<br>10/31/2017 | \$131,490 |

|   |  |                                      |                 |                               |           |
|---|--|--------------------------------------|-----------------|-------------------------------|-----------|
| Tanya Lilliane Kowalczyk<br>Mullins, MD, MS | Physician Attitudes toward New<br>Biomedical HIV Prevention<br>Interventions in Youth                                    | National Institutes of Health        | K23<br>HD072807 | 09/01/2016<br>-<br>08/31/2018 | \$129,735 |
| Paula K Braverman, MD                       | Education Curriculum and Train<br>the Trainer Program on<br>Comprehensive Sexual Health<br>and Teen Pregnancy Prevention | Ohio Department of Youth<br>Services | 7TI120          | 03/01/2017<br>-<br>06/30/2017 | \$5,000   |

**Total Annual Grant Award Dollars**

**\$1,401,702**

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