

DEPARTMENT OF HEALTH AND HUMAN SERVICES

National Institutes of Health

Office of the Director

2015 BIENNIAL ADVISORY COUNCIL REPORTS

CERTIFYING COMPLIANCE WITH THE

NIH POLICY ON INCLUSION GUIDELINES

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**2015 Biennial Advisory Council Report Certifying
Compliance with Inclusion Guidelines
Eunice Kennedy Shriver National Institute of Child Health and Human Development**

I. Background/Overview

Mission Statement

The NICHD was established by President John F. Kennedy, with the support of congress, in 1962 to study the "complex process of human development from conception to old age." The mission of the NICHD is to ensure that every person is born healthy and wanted, that women suffer no harmful effects from reproductive processes, and that all children have the chance to achieve their full potential for healthy and productive lives, free from disease or disability, and to ensure the health, productivity, independence, and well-being of all people through optimal rehabilitation.

Description of NICHD Portfolio.

In pursuit of its broad mission, the NICHD conducts and supports laboratory research, clinical trials, and epidemiological studies that explore health processes; examines the impact of disabilities, diseases, and variations on the lives of individuals; and sponsors training programs for scientists, health care providers, and researchers to ensure that NICHD research can continue. NICHD research programs incorporate the following concepts:

- **Events that happen prior to and throughout pregnancy, as well as during childhood, have a great impact on the health and well-being of children and adults.**
 - The Institute supports and conducts research to:
 - Advance knowledge of pregnancy, fetal development, and birth for developing strategies that prevent maternal, infant, and childhood mortality and morbidity;

- Identify and promote the prerequisites of optimal physical, mental, and behavioral growth and development through infancy, childhood, and adolescence; and
 - Contribute to the prevention of and treatment for intellectual and developmental disabilities.
- **Human growth and development is a life-long process that has many phases and functions.** Much of the research in this area focuses on cellular, molecular, and developmental biology to build understanding of the mechanisms and interactions that guide a single fertilized egg through its development into a multicellular, highly organized adult organism.
- **Learning about the reproductive health of women and men and educating people about reproductive practices is important to both individuals and societies.** Institute-supported basic, clinical, epidemiological, behavioral and social science research in the reproductive sciences seeks to:
 - Develop knowledge that enables women and men to overcome problems of infertility and to regulate their fertility in ways that are safe, effective, and acceptable for various population groups.
 - Understand the causes and consequences of reproductive behavior and population change.
- **Developing medical rehabilitation interventions can improve the health and well-being of people with disabilities.** Research in medical rehabilitation seeks to develop and improve techniques and technologies related to the quality of life and rehabilitation of individuals with physical, intellectual, and developmental disabilities resulting from diseases, disorders, injuries, or variations.

II. Strategies for Ensuring Compliance

Peer Review

NICHD's Scientific Review Branch (SRB) is responsible for a broad range of functions related to the review of grant applications for research and training and contract proposals for

research. The Branch also provides policy direction and coordination for planning and conducting initial scientific and technical merit reviews of applications for numerous types of grant applications, including:

- Program projects (P01s)
- Centers (P30s, U54s)
- Institutional training grants (T32s)
- Career development awards (various Ks)
- Conference grants (R13s)
- Small research grants (R03s)
- Multisite clinical trial (R01s)

Other mechanisms, such as fellowships (Fs), small business grants (SBIRs/STTRs), R21s, R01s and others are reviewed by the NIH Center for Scientific Review.

In addition, the SRB coordinates and conducts the review of grant applications for all mechanisms that are received by the NICHD in response to requests for applications (RFAs) or program announcements with referral (PARs), which are published with the aim of fostering work in a research area of particular relevance to the mission of the Institute. The Branch also manages the technical evaluation of contract proposals that arrive in response to requests for proposals (RFPs) issued by the Institute.

Procedures for Ensuring Compliance

The NICHD has implemented the following procedures to monitor the inclusion of women and minorities as subjects in research projects and to assure that the legislative requirement has been met:

- The procedures used by the Eunice Kennedy Shriver National Institute of Child Health and Human Development (NICHD) to implement NIH policy on the inclusion of woman and minorities in clinical research were presented to the National Advisory Child Health and Human Development (NACHHD) Council on January 22, 2015. Based on this review, The NACHHD Council certified NICHD compliance with the policy guidelines.

- Primary responsibility for implementation of the NIH inclusion policy resides with the Director, NIH, in collaboration with Directors of the NIH Institutes and Centers and various NIH Offices.
- Within NICHD, responsibility for direct oversight of inclusion requirements, including assuring that policy has been addressed, that institute staff and the research community are aware of and complying with policy updates, and that data entry and reporting are accurate and in compliance, has been consolidated and rests with the Office of Extramural Policy, NICHD.
- NICHD procedures to ensure compliance with the policy for tracking and inclusion of women and minorities include specific activities involving program, review, contracts management, grants management, support staff, and the Office of Extramural Policy. These staff members participate as appropriate throughout the process from pre-application through award, with continuing communication among the involved groups. The NICHD Office of Extramural Policy exercises oversight responsibilities for all of these activities. Specific activities include:
 - Communication by program staff with potential applicants in the pre-application stage to assure outreach and dissemination of policy requirements.
 - Administrative review of all grant applications and contract proposals by Scientific Review Officers (SROs) to assure accurate coding of applications for involvement of human subjects and identification of Phase III Clinical Trials prior to review. The SRO performs an administrative review of applications and proposals to assure that they have been accurately identified with respect to the involvement of human subjects and their clinical trial status (i.e., whether they are NIH-defined Phase III Clinical Trials). If the initial identification is erroneous, review staff assures that corrections are made in IMPAC II.
 - Peer review of the adequacy of the grant application or contract proposal with respect to meeting inclusion requirements. At the review group meeting, the SRO ensures that reviewers address the adequacy of inclusion plans, with both narrative comments and appropriate codes. The SRO directs special attention of reviewers to the requirements for Phase III Clinical Trials, assuring that the reviewers address the plans presented in the

application/proposal in the context of those requirements. The SRO intervenes, as appropriate, to assure that the codes assigned and comments made by the reviewers are reasonable with respect to the policy requirements.

- Following review, the assigned codes are entered into IMPAC II by review staff, with unacceptable codes leading to a bar-to-funding until acceptable plans are submitted, plans are approved by program staff, and the bar is removed by grants management. Overall, the Director of the NICHD Scientific Review Branch is responsible for monitoring and assuring compliance by review staff.
- Program staff interaction with investigators whose applications/proposals were deemed unacceptable with respect to inclusion requirements, working toward the development of acceptable inclusion plans. The NICHD Grants Management Branch has introduced a quality assurance checklist that requires program staff to verify a number of actions, including examination and approval of the target enrollment data, prior to making any new award.
- Upon receipt of an acceptable plan, communication between program staff and grants management or contracts management staff, who assure that the code is changed and funding proceeds.
- Review of annual progress reports (PHS Form 2590) by program staff to assure appropriate accrual and achievement of inclusion targets.
- Entry and approval of both target and actual enrollment data into the Population Tracking system. The Office of Extramural Policy coordinates and monitors this process, and maintains ongoing communication with program, contracts, grants management, and support staff to assure completeness and accuracy of data entered.

Training approaches

NICHD program, review, grants management, and contracts management staff are encouraged to participate in all NIH training opportunities relevant to the policies on inclusion; newly hired staff are required to have such training as soon as possible after assuming their position. Training opportunities are available live, via videocast, archived video, or computer-

based programs. The NICHD Office of Extramural Policy monitors participation and provides information about upcoming training opportunities.

The following are examples of formal NIH training related to the inclusion policy in which NICHD staff participates:

- NIH Core Training - Orientation to Extramural Activities
- Sex/Gender and Minority Inclusion in Clinical Research Staff Training (archived videocast available to staff)
- Human Subjects Update: A Symposium (archived videocast available to staff)
- Grants Policy Updates: Humans and Animals (archived videocast available to staff)
- Clinical Trials On Trial: Protecting Human Subjects of Clinical Research (archived videocast available to staff)
- Review and Approval of Newly Proposed Human Subjects Research in Active Awards (Delayed onset)
- Human Subjects Protections in Extramural R&D Grants and Contracts
- Human Subjects Protections – Proposed changes to the “Common Rule”
- Human Subjects Protections: Part I – Fundamentals of Human Subjects Protections for NIH Extramural Staff
- Human Subjects Protections: Part II – Using Existing Biospecimens in Research: Ethical and Regulatory Considerations
- Human Subjects Protections: Part III – Research Involving Vulnerable Subjects: Ethical and Regulatory Considerations

In addition to training opportunities offered by NIH, the institute is involved in continuous training and outreach efforts with staff and the research community. These efforts are developed, overseen, and monitored by the NICHD Office of Extramural Policy, which also serves as a resource for staff and the extramural community. These training and outreach efforts include:

- Three sessions outlining the new Inclusion Management System (IMS) were held for staff outlining: 1) Differences in Pop Tracking and IMS; 2) Roles and responsibilities of staff and grantees and; 3) How-to training for IMS program

III. ***Analysis and Interpretation of Data***

Table A shows the level of compliance of grant applications submitted to NICHD as assessed during scientific peer review in 2013 and 2014. It can be seen that the vast majority of grant applications satisfactorily addressed the inclusion requirement. Applications that are deemed unsatisfactory with regard to inclusion receive an administrative code that results in a bar-to-funding and awards cannot be made unless the bar is lifted.

Table B shows the very small number of awards there had been a bar-to-funding because the application had an unsatisfactory inclusion plan. In order to lift a bar-to-funding, NICHD staff worked with the applicant to resolve any problems with regard to inclusion. This was done by either obtaining additional information about the inclusion plan from the applicant or revising the planned enrollment if necessary.

Tables 1, 2, 5, 6, 9 and 10 show aggregate enrollment figures for both extramural and intramural NICHD projects for FY2013 and FY2014, as described below.

[Please note that the NIH database generated additional tables (e.g., Tables 3,4, 7, 8) that are not shown in this report. Those additional tables displayed aggregate enrollment data for various subsets of studies. Although instructive, those additional tables did not alter the overall trends in terms of inclusion that are reported here.]

All Extramural research protocols

- For all extramural research protocols supported in FY 2013, NICHD enrolment data indicate that the majority of subjects enrolled were female (71.17%) as illustrated in Table 1. Only 1.09% of participants were unidentified with respect to gender. In FY 2014, the majority of participants again were female (56.57%) as illustrated in the Table 2. In FY 2014, there was a significant increase in the number of subjects that were not identified with respect to gender which changed the aggregate unknowns to 15.82% for that year. This increase was due to one

single large survey study conducted in India, where the approved study design precluded accurate identification by gender.

- With respect to minority inclusion in FY 2013, significant numbers of minority subjects were enrolled in NICHD extramural studies. Enrollment of Black or African American participants was 16.64%. In addition, where self-identification is requested in two separate questions, first for Hispanic or Latino ethnicity and then for race, it was found that 18.16% of subjects identified themselves as Hispanic or Latino. The significant representation of Asian participants (38.12%) is attributable to some large studies conducted in Asia. In FY 2014, significant inclusion of minorities continued. Enrollment of Black or African American participants was 16.44%. Inclusion of Hispanic/Latino participants was 13.39%, in 2014, and Asian enrollment was 56.57%.

NICHD Extramural Phase III Clinical Trials

- Phase III clinical trials show a similar pattern to the overall data in both FY2013 and FY2014. As illustrated in table 5 and 6 the majority of subjects reported were women (FY2013 - 219,197 out of 291,590, or approximately 75.17% and FY2014 – 196,094 out of 268,670, or approximately 72.99%). The relatively high number of Asian subjects during this period (60.26% and 65.07% in FY2013 and FY2014) was due to studies conducted in India and Pakistan through the Global Network for Women’s & Children’s Health during this time frame.

NICHD Intramural Research Protocols

- As illustrated in Table 9 the majority of subjects enrolled in NICHD intramural studies in FY2013 were women (79.05%). Of the 132,955 subjects enrolled in intramural studies, 43,277 (32.55%) identified themselves as Hispanic or Latino; 26,642 (approximately 20.04%) identified themselves as Black or African American; and 12,009 (approximately 9.03%) identified themselves as Asian.
- Table 10 illustrates that the majority of subjects enrolled in NICHD intramural studies in FY2014 were also women (108,934 out of 132,913, or approximately 85.52%). Of the 132,913 subjects enrolled in intramural studies, 43,906 (approximately 33.26%) identified themselves as

Hispanic or Latino; 26,176 (approximately 21.34%) identified themselves as Black or African American; and 12,327 (approximately 9.34%) identified themselves as Asian.

CONCLUSIONS

NICHHD has strived to promote the objectives of the NIH inclusion policy, by implementing procedures to monitor and assure compliance with the legislative mandate and by providing appropriate training to staff. The NICHHD research mission is quite broad and scientifically diverse; much of our research portfolio focuses on topics relevant to women's health, and a number of our clinical trials are targeted specifically towards women as subjects. Data from the peer review process (Table A) and the award process (Table B) demonstrate that our internal procedures have been effective in assuring compliance with the inclusion requirements. The aggregate enrollment data provide an overview of our research portfolio and clearly show substantial inclusion of women and minorities as subject in clinical research projects and clinical trials supported by NICHHD. Not shown in these tables is the ongoing oversight of each individual project by NICHHD staff to monitor the progress made in recruitment of subjects to reach the planned enrollment goals set forth in the original application and to provide guidance to investigators as needed. Even more important than the numerical data are the numerous contributions to scientific knowledge that will be generalizable to different populations, as shown by the representative grants and publications listed at the end of this report.

Table A. Level of Compliance with Inclusion Policy in New Extramural Grant Applications as Assessed During Scientific Peer Review

EUNICE KENNEDY SHRVER NATIONAL INSTITUTE OF CHILD HEALTH & HUMAN DEVELOPMENT

Council Dates		Jan-13	May-13	Aug-13	Oct-13	Jan-14	May-14	Aug-14	Oct-14
Total number of Applications Reviewed	(#)	1,452	1,661	389	1,387	1,566	1,670	340	1,369
Number of Applications with Human Subjects	(#)	947	1,025	54	917	986	969	22	892
Number (percent) of Applications approved by IRG as submitted	(#)	934	1,002	51	911	971	944	22	876
	(%)	98.63%	97.76%	94.44%	99.35%	98.48%	97.42%	100%	98.21%
Number (percent) of Applications with unacceptable <i>minority-only</i> inclusion	(#)	3	8	0	5	10	9	0	11
	(%)	0.32%	0.78%	0%	0.55%	1.01%	0.93%	0%	1.23%
Number (percent) of Applications with unacceptable <i>sex/gender-only</i> inclusion	(#)	4	4	3	1	2	3	0	1
	(%)	0.42%	0.39%	5.56%	0.11%	0.2%	0.31%	0%	0.11%
Number (percent) of Applications with both unacceptable minority AND sex/gender inclusion	(#)	6	11	0	0	3	13	0	4
	(%)	0.63%	1.07%	0%	0%	0.3%	1.34%	0%	0.45%
Total Number (percent) of Applications with unacceptable minority inclusion	(#)	9	19	0	5	13	22	0	15
	(%)	0.95%	1.85%	0%	0.55%	1.32%	2.27%	0%	1.68%
Total Number (percent) of Applications with unacceptable sex/gender inclusion	(#)	10	15	3	1	5	16	0	5
	(%)	1.06%	1.46%	5.56%	0.11%	0.51%	1.65%	0%	0.56%
Total number (percent) of unacceptable Applications as submitted	(#)	13	23	3	6	15	25	0	16
	(%)	1.37%	2.24%	5.56%	0.65%	1.52%	2.58%	0%	1.79%

Table B. Extramural Research Awards: Bars-To-Funding and Resolutions

EUNICE KENNEDY SHRVER NATIONAL INSTITUTE OF CHILD HEALTH & HUMAN DEVELOPMENT

Council Dates		Jan-13	May-13	Aug-13	Oct-13	Jan-14	May-14	Aug-14	Oct-14
Total number of awards	(#)	214	224	117	178	212	243	125	92
Number of awards invoking Human Subjects	(#)	114	133	4	117	129	130	3	59
Number (percent) of awards invoking Human Subjects that met the inclusion requirements as submitted	(#)	114	130	4	117	129	128	3	59
	(%)	100%	98%	100%	100%	100%	98%	100%	100%
Number (percent) of awards where minority-only bar-to-funding was removed by program staff (M_U)	(#)	0	1	0	0	0	1	0	0
	(%)	0%	1%	0%	0%	0%	1%	0%	0%
Number (percent) of awards where sex/gender-only bar-to-funding was removed by program staff (G_U)	(#)	0	0	0	0	0	0	0	0
	(%)	0%	0%	0%	0%	0%	0%	0%	0%
Number (percent) of awards where both minority AND sex/gender bar-to-funding were removed by program staff	(#)	0	1	0	0	0	1	0	0
	(%)	0%	1%	0%	0%	0%	1%	0%	0%
Total Number (percent) of awards where minority bar-to-funding was removed by program staff	(#)	0	2	0	0	0	2	0	0
	(%)	0%	2%	0%	0%	0%	2%	0%	0%
Total Number (percent) of awards where sex/gender bar-to-funding was removed by program staff	(#)	0	1	0	0	0	1	0	0
	(%)	0%	1%	0%	0%	0%	1%	0%	0%
Total number (percent) of awards where bar-to-funding was removed	(#)	0	2	0	0	0	2	0	0
	(%)	0%	2%	0%	0%	0%	2%	0%	0%

Table 1: FY2013 Aggregate Enrollment Data for All Extramural Research Protocols
 EUNICE KENNEDY SHRVER NATIONAL INSTITUTE OF CHILD HEALTH & HUMAN DEVELOPMENT

Old Form: Total of All Subjects Reported Using the 1977 OMB Standards

Number of Protocols with Enrollment Data: 0

	American Indian/ Alaska Native	Asian	Black or African American	* Hawaiian/ Pacific Islander	Hispanic	White	* More than One Race	Unknown/ Other	Total
Female									
Male									
Unknown									
Total									

* Categories not in use in Old Forms, but are provided here for consistency with the 1997 OMB Standard.

New Form: Total of All Subjects Reported Using the 1997 OMB Standards

Number of Protocols with Enrollment Data: 723

	Total of All Subjects by Race								Total of All Subjects by Ethnicities			
	American Indian/ Alaska Native	Asian	Black or African American	Hawaiian/Pacific Islander	White	More Than One Race	Unknown/Not Reported	Total	Not Hispanic	Hispanic or Latino	Unknown Not Reported	Total
Female	136,765	573,679	257,373	2,022	491,783	8,174	68,988	1,538,784	944,383	233,703	360,698	1,538,784
	8.89%	37.28%	16.73%	0.13%	31.96	0.53%	4.48%	71.17%	61.37%	15.19%	23.44%	71.17%
Male	96,451	236,052	101,066	531	124,131	5,413	35,979	599,623	428,507	158,372	12,744	599,623
	16.09%	39.37%	16.85%	0.09%	20.7	0.9%	6%	27.73%	71.46%	26.41%	2.13%	27.73%
Unknown	44	14,477	1,314	116	871	149	6,596	23,572	16,860	59	6,113	23,572
	0.19%	61.42%	5.57%	0.49%	3.72	0.63%	27.98%	1.09%	71.53%	2.54%	25.93%	1.09%
Total	233,260	824,208	359,753	2,669	616,790	13,736	111,563	2,161,979	1,389,750	392,674	379,555	2,161,979
	10.79%	38.12%	16.64%	0.12%	28.53	0.64%	5.16%	100%	64.28%	18.16%	17.56%	100%

Table 2: FY2014 Aggregate Enrollment Data for All Extramural Research Protocols
 EUNICE KENNEDY SHRVER NATIONAL INSTITUTE OF CHILD HEALTH & HUMAN DEVELOPMENT

Old Form: Total of All Subjects Reported Using the 1977 OMB Standards

Number of Protocols with Enrollment Data: 0

	American Indian/ Alaska Native	Asian	Black or African American	* Hawaiian/ Pacific Islander	Hispanic	White	* More than One Race	Unknown/ Other	Total
Female									
Male									
Unknown									
Total									

* Categories not in use in Old Forms, but are provided here for consistency with the 1997 OMB Standard.

New Form: Total of All Subjects Reported Using the 1997 OMB Standards

Number of Protocols with Enrollment Data: 673

	Total of All Subjects by Race								Total of All Subjects by Ethnicities			
	American Indian/ Alaska Native	Asian	Black or African American	Hawaiian/Pacific Islander	White	More Than One Race	Unknown/Not Reported	Total	Not Hispanic	Hispanic or Latino	Unknown Not Reported	Total
Female	60,548	545,660	215,208	763	173,746	6,458	64,215	1,066,598	884,997	159,455	22,146	1,066,598
	5.68%	51.16%	20.18%	0.07%	16.29%	0.61%	6.02%	56.57%	82.97%	14.95%	2.08%	56.57%
Male	20,992	231,119	93,973	448	129,800	4,513	39,738	520,583	410,100	91,945	18,538	520,583
	4.03%	44.4%	18.05%	0.09%	24.93%	0.87%	7.63%	27.61%	78.78%	17.66%	3.56%	27.61%
Unknown	45	291,717	792	4	3,742	42	1,873	298,215	296,135	1,023	1,057	298,215
	0.02%	97.82%	0.27%	0%	1.25%	0.01%	0.63%	15.82%	99.3%	0.34%	0.35%	15.82%
Total	81,585	1,068,496	309,973	1,215	307,288	11,013	105,826	1,885,396	1,591,232	252,423	41,741	1,885,396
	4.33%	56.67%	16.44%	0.06%	16.3%	0.58%	5.61%	100%	84.4%	13.39%	2.21%	100%

Table 5: FY2013 Aggregate Enrollment Data for Extramural Phase III Research Protocols
 EUNICE KENNEDY SHRVER NATIONAL INSTITUTE OF CHILD HEALTH & HUMAN DEVELOPMENT

Old Form: Total of All Subjects Reported Using the 1977 OMB Standards

Number of Protocols with Enrollment Data: 0

	American Indian/ Alaska Native	Asian	Black or African American	* Hawaiian/ Pacific Islander	Hispanic	White	* More than One Race	Unknown/ Other	Total
Female									
Male									
Unknown									
Total									

* Categories not in use in Old Forms, but are provided here for consistency with the 1997 OMB Standard.

New Form: Total of All Subjects Reported Using the 1997 OMB Standards

Number of Protocols with Enrollment Data: 24

	Total of All Subjects by Race								Total of All Subjects by Ethnicities			
	American Indian/ Alaska Native	Asian	Black or African American	Hawaiian/Pacific Islander	White	More Than One Race	Unknown/Not Reported	Total	Not Hispanic	Hispanic or Latino	Unknown Not Reported	Total
Female	18,770	127,863	48,651	40	10,417	112	13,344	219,197	185,007	34,186	4	219,197
	8.56%	58.33%	22.2%	0.02%	4.75%	0.05%	6.09%	75.17%	84.4%	15.6%	0%	75.17%
Male	6,930	43,939	14,732	0	124	2	3,017	68,204	58,764	9,417	23	68,204
	9.37%	64.42%	21.6%	0%	0.18%	0%	4.42%	23.39%	86.16%	13.81%	0.03%	23.39%
Unknown	9	3,923	241	0	0	0	16	4,189	4,164	25	0	4,189
	0.21%	93.65%	5.75%	0%	0%	0%	0.38%	1.44%	99.4%	0.6%	0%	1.44%
Total	25,169	175,725	63,624	40	10,541	114	16,377	291,590	247,935	43,628	27	291,590
	8.63%	60.26%	21.82%	0.01%	3.62%	0.04%	5.62%	100%	85.03%	14.96%	0.01%	100%

Table 6: FY2014 Aggregate Enrollment Data for Extramural Phase III Research Protocols
 EUNICE KENNEDY SHRVER NATIONAL INSTITUTE OF CHILD HEALTH & HUMAN DEVELOPMENT

Old Form: Total of All Subjects Reported Using the 1977 OMB Standards

Number of Protocols with Enrollment Data: 0

	American Indian/ Alaska Native	Asian	Black or African American	* Hawaiian/ Pacific Islander	Hispanic	White	* More than One Race	Unknown/ Other	Total
Female									
Male									
Unknown									
Total									

* Categories not in use in Old Forms, but are provided here for consistency with the 1997 OMB Standard.

New Form: Total of All Subjects Reported Using the 1997 OMB Standards

Number of Protocols with Enrollment Data: 14

	Total of All Subjects by Race								Total of All Subjects by Ethnicities			
	American Indian/ Alaska Native	Asian	Black or African American	Hawaiian/Pacific Islander	White	More Than One Race	Unknown/Not Reported	Total	Not Hispanic	Hispanic or Latino	Unknown Not Reported	Total
Female	18,765	126,967	41,411	0	310	3	8,638	196,094	168,640	27,443	11	196,094
	9.57%	64.75%	21.12%	0%	0.16%	0%	4.41%	72.99%	86%	13.99%	0.01%	72.99%
Male	6,493	43,940	14,777	1	147	2	3,027	68,387	58,814	9,522	51	68,387
	9.49%	64.25%	21.61%	0%	0.21%	0%	4.43%	25.45%	86%	13.92%	0.07%	25.45%
Unknown	9	3,923	241	0	0	0	16	4,189	4,164	25	0	4,189
	0.21%	93.65%	5.75%	0%	0%	0%	0.38%	1.56%	99.4%	0.6%	0%	1.56%
Total	25,267	174,830	56,429	1	457	5	11,681	268,670	231,618	36,990	62	268,670
	9.4%	65.07%	21%	0%	0.17%	0%	4.35%	100%	86.21%	13.77%	0.02%	100%

Table 9: FY2013 Aggregate Enrollment Data for Intramural Research Protocols

For On-Site and Off-Site Combined

EUNICE KENNEDY SHRVER NATIONAL INSTITUTE OF CHILD HEALTH & HUMAN DEVELOPMENT

Old Form: Total of All Subjects Reported Using the 1977 OMB Standards

Number of Protocols with Enrollment Data: 0

	American Indian/ Alaska Native	Asian	Black or African American	* Hawaiian/ Pacific Islander	Hispanic	White	* More than One Race	Unknown/ Other	Total
Female									
Male									
Unknown									
Total									

* Categories not in use in Old Forms, but are provided here for consistency with the 1997 OMB Standard.

New Form: Total of All Subjects Reported Using the 1997 OMB Standards

Number of Protocols with Enrollment Data: 107

	Total of All Subjects by Race								Total of All Subjects by Ethnicities			
	American Indian/ Alaska Native	Asian	Black or African American	Hawaiian/Pacific Islander	White	More Than One Race	Unknown/Not Reported	Total	Not Hispanic	Hispanic or Latino	Unknown Not Reported	Total
Female	284	11,221	23,506	220	56,876	2,553	10,447	105,107	62,888	36,929	5,290	105,107
	0.27%	10.68%	22.36%	0.21%	54.11%	2.43%	9.94%	79.05%	59.83%	35.13%	5.03%	79.05%
Male	170	776	3,092	95	1,1234	1,207	4,830	21,404	13,431	6,219	1,754	21,404
	0.79%	3.63%	14.45%	0.44%	52.4%	5.64%	22.57%	16.1%	62.75	29.06%	8.19%	16.1%
Unknown	4	12	44	5	173	19	6,187	6,444	249	129	6,086	6,444
	0.06%	0.19%	0.68%	0.08%	2.68%	0.29%	96.01%	4.85%	3.55	2%	94.44%	4.85%
Total	458	12,009	26,642	320	68,233	3,779	21,464	132,955	76,548	43,277	13,130	132,955
	0.34%	9.03%	20.04%	0.24%	51.36%	2.84%	16.14%	100%	57.57	32.55%	9.88%	100%

Table 10: FY2014 Aggregate Enrollment Data for Intramural Research Protocols

For On-Site and Off-Site Combined

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Old Form: Total of All Subjects Reported Using the 1977 OMB Standards

Number of Protocols with Enrollment Data: 0

	American Indian/ Alaska Native	Asian	Black or African American	* Hawaiian/ Pacific Islander	Hispanic	White	* More than One Race	Unknown/ Other	Total
Female									
Male									
Unknown									
Total									

* Categories not in use in Old Forms, but are provided here for consistency with the 1997 OMB Standard.

New Form: Total of All Subjects Reported Using the 1997 OMB Standards

Number of Protocols with Enrollment Data: 103

	Total of All Subjects by Race								Total of All Subjects by Ethnicities			
	American Indian/ Alaska Native	Asian	Black or African American	Hawaiian/Pacific Islander	White	More Than One Race	Unknown/Not Reported	Total	Not Hispanic	Hispanic or Latino	Unknown Not Reported	Total
Female	284	11,502	24,844	236	57,950	2,632	11,486	108,934	65,630	37,378	5,926	108,934
	0.26%	10.56%	22.81%	0.22%	53.2%	2.42%	10.54%	82.52%	60.25%	34.31%	5.44%	82.52%
Male	174	821	3,301	107	12,263	1,262	4,822	22,750	14,285	6,440	2,025	22,750
	0.76%	3.61%	14.51%	0.47%	53.9%	5.55%	21.2%	17.23%	62.79%	28.31%	8.9%	17.23%
Unknown	4	4	31	2	47	12	229	329	81	88	160	329
	1.22%	1.22%	9.42%	0.61%	14.29%	3.65%	69.6%	0.25%	24.62%	26.75%	48.63%	0.25%
Total	462	12,327	28,176	345	70,260	3,906	16,537	132,013	79,996	43,906	8,111	132,013
	0.35%	9.34%	21.34%	0.26%	53.22%	2.96%	12.53%	100%	60.6%	33.26%	6.14%	100%

Additional information

Projects with analysis(es) on sex/gender, race, and/or ethnicity

Title	Grant Number
A Cohort Study of Preterm Delivery in Relation to Partner Abuse, Mood and Anxiety	R01 HD059835-05
A Controlled Trial of Gabapentin in Vulvodynia: Biological Correlates of Response	R01 HD065740
A Lifecourse Approach to Emerging Health Disparities in a US Birth Cohort	R01 HD058515
A longitudinal study: the influence of sex and puberty on neurodevelopment	F32 HD078084-01
A RCT of preconception weight loss vs. OCP in overweight infertile PCOS women	U10 HD038992
A US-UK Comparison of Discrimination & Disparities in Health & Health Service Use	R01 HD061320
Abused and non-abused females' high-risk online behaviors: Impact on development	R01 HD073130-03
Adapting a Decision-Making Task to Explore its ERP Correlates Through Adolescence	5R21HD072363-02
Administrative supplement for research on sex/gender differences – Host epigenetic and mitochondrial function in HIV-infected children	R01 HD073952
Adolescent Trials Network 15-site Behavioral and Demographic Characterization of the (vastly minority) Patient Population at each of the ATN sites	U01 HD40533, U01 HD40474
Adolescent Trials Network 15-site Community Prevention Intervention Aimed at Achieving Structural Changes in Potential HIV Risk Determinants for Minority Youth Across the United States	U01 HD40533, U01 HD40474
Adolescent Trials Network 15-site National Study Evaluating Human Papilloma Virus Vaccine in HIV-Infected Females	U01 HD40533, U01 HD40474
Adolescent Trials Network 15-site Study Looking at How to Best Identify Young Female Youth with Undiagnosed HIV Infection in the United States	U01 HD40533, U01 HD40474
Adolescent Trials Network 15-site Study Looking at How to Best Identify Latino Youth with Undiagnosed HIV Infection in the United States	U01 HD40533, U01 HD40474
Adolescent Trials Network Collaboration with the Centers for Disease Control and Prevention Aimed at Improving the Identification of Minority Youth with Undiagnosed HIV Infection and Linking Them to Care at the 15 US ATN sites	U01 HD40533, U01 HD40474
Adolescent Trials Network Collaboration with the Centers for Disease Control and Prevention and with the Health Resources and Services Administration Aimed at Improving the Retention of Minority Youth with Undiagnosed HIV Infection in Care at the 14 US ATN sites and 4 HRSA RWD sites	U01 HD40533, U01 HD40474

Title	Grant Number
Adolescent Trials Network Study “PHASES”, an Evaluation of the HHS-Core Indicators and Patterns of Risk among HIV+ Youth in Care.	U01 HD40533, U01 HD40474
Adolescent Trials Network Study “Project ACCEPT”, an Intervention Aimed at Engaging Newly Diagnosed HIV+ Youth to Care.	U01 HD40533, U01 HD40474
Adolescent Trials Network Study Assessing the Engagement of Transgender and Other Gender Minority Youth across the HIV Continuum of Care	U01 HD40533, U01 HD40474
Adolescent Trials Network Study Evaluating a Secondary Prevention Intervention for HIV- Positive Black Young Men Who Have Sex with Men	U01 HD40533, U01 HD40474
Adolescent Trials Network Study Evaluating the Safety, Feasibility, Acceptability, Adherence Patterns and Risk Profiles Among at Risk Youth Taking the Antiretroviral Medication Truvada as Pre-Exposure Prophylaxis from HIV Infection across all ATN sites	U01 HD40533, U01 HD40474
Adolescent Trials Network Study of Behavioral, Immunologic, and Virologic Correlates of Oral Human Papillomavirus Infection in Adolescents and Young Adults with Behaviorally Acquired HIV- Infection	U01 HD40533, U01 HD40474
Adolescent Trials Network Study of Epic Allies HIV ART Adherence Intervention	U01 HD40533, U01 HD40474
Adolescent Trials Network Study of the Feasibility of Using a Structured Daily Diary to Assess Mood, Stress, Support, Substance Use, and Sexual Behavior in HIV-Positive Young MSM	U01 HD40533, U01 HD40474
Adolescent Trials Network Study of Transitioning HIV+ Adolescents to Adult Care: Exploring Adolescent and Adult Medicine Clinics Role in the Process	U01 HD40533, U01 HD40474
Adolescent Trials Network Study, a Randomized, Double-Blind, Placebo-Controlled Trial of the Safety and Effectiveness of Vitamin D3 50,000 IU every 4 weeks to Increase Bone Mineral Density and Decrease Tenofovir-Induced Hyperparathyroidism in Youth with HIV infection being treated with Tenofovir-Containing Combination Antiretroviral Therapy	U01 HD40533, U01HD40474
Age-based Reference Ranges for Annual Height Velocity in U.S. Children	R01 HD076321
An Epidemiological and Longitudinal Study of Rural Child Literacy Trajectories	R01 HD080786
Appropriate Gestational Weight Gain in Overweight/Obese Women	R01 HD073572-02
Basis of Reading Deficits in African-American Children	R24 HD075454
Bilingual Proficiency and Memory: An Associative Strength Approach	R15 HD078921
Bimodal Bilingualism	R01HD047736
Bioenergetic and Metabolic Consequences of the Loss of Gonadal Function	P50 HD073063
Biomarkers of Infertility	R01 HD067683
Bone Mineral Density in Children Study	R01 HD058886

Title	Grant Number
Bone Morphogenic Protein Signaling Pathways in Uterine Biology	R01 HD032067
Carolina Population Center	R24 HD050924
CBPR Initiative in Reducing Infant Mortality in American Indian Communities	R01 HD080544-01
Center for Endometrial Biology and Endometriosis	U54 HD052668
Center for Family and Demographic Research	R24 HD050959
Center for Reproductive Biological Research	U54 HD007495
Center for Reproductive Health After Disease	P50 HD076188
Center for Reproductive Science and Medicine	U54 HD012303
Center for the Study of Reproductive Biology and Women's Health	U54 HD058155
Center for Women's Health and Reproduction	U54 HD040093
Children in Transition to Adulthood: Family and Sibling Connections	R01 HD033474
Children's implicit and explicit stereotypes about academic abilities	R03 HD072025
Clinical and Basic Studies in Polycystic Ovarian Syndrome	P50 HD028934
Cognitive and Language Development in Bilingual Children: Mechanisms, Limitation	R01 HD052523
Cognitive Architecture of Bilingual Language Processing	R01 HD059858
Colorado Multicenter Reproductive Medicine Network	U10 HD038998
Communication about sex in the nuclear family and beyond: Implications for health	R03 HD073381-02
Community-Based Prevention of Youth Violence in Latinos	K23 HD068401-05
Cooperative Multicenter Reproductive Medicine Network	U10 HD077841
Cooperative Multicenter Reproductive Medicine Network	U10 HD027049
Cooperative Multicenter Reproductive Medicine Network	U10 HD055936
Cooperative Multicenter Reproductive Medicine Network	U10 HD077844
Corpus Luteal Contribution to Maternal Pregnancy Physiology and Outcomes in ART	P01 HD065647
Cultural Equivalence of Autism Assessment Instruments for Latino Children	R03 HD064828-01
Data Collection for Older NLSY Children	R01 HD037078
Decision Making by Patients Seeking Care for Fertility Problems	R2 HD071332
Demographic Diversity in the Measurement and Meaning of Unintended Pregnancy	F31 HD079182
Demographic Vulnerability, Neighborhood Pollution, and Racial Health Disparities	R01 HD078501
Developing and Enacting Racial/Ethnic Identities	R01 HD048970
Developing Number Sense in Children at Risk for Mathematics Learning Disabilities	R01 HD059170
Differential Diagnosis in Learning Disabilities	P50 HD027802
Disorders of Sex Development: Platform for Basic and Translational Research	R01 HD068138
Disparities in Disability after Traumatic Brain Injury for Hispanic Children	K23 HD078453-02
Disparities in Health and Academics of Sexual Minorities in Urban Middle Schools	F32 HD075531-02

Title	Grant Number
Distal Determinants of Disparities in Unintended Fertility	R01 HD078412
Do Obstetrical Quality Measures Explain Racial Disparities in Perinatal Outcomes	R21 HD068765-02
Early Brain Development in One and Two Year Olds	R01 HD053000
Effect Of Iatrogenic Delivery at 34-38 Weeks Gestation on Pregnancy Outcome	R01 HD077592-01A1
Effect of Insulin on Estrogen Receptor Alpha in Human Endometrial Cells	K08 HD071010
Effects of Placental Transfusion on Early Brain Development	R01 HD076589-01
Effects of the second language on syntactic processing in the first language	R21 HD071758
Effects of Weight and Insulin Sensitivity on Reproductive Function in PCOS	R00 HD060762
Efficacy of Dexamethasone in Polycystic Ovary Syndrome-related Infertility	U10 HD055942
Emerging Disparities in Chronic Disease Risk Among Young Adults	R01 HD058535
Emotion processing in develop: An ERP Investigation	R03 HD074724
Enhancing Safe Sleep Practices of Urban Low-Income Mothers	R01 HD072821-02
Evaluating the Head's Response to Impulsive Forces in Young Athletes	K23 HD078502-02
Evaluation of Umbilical Cord Milking on Systemic Blood Flow in Premature Infants	R03 HD072934-01A1
Excess Androgen Production in Overweight Pubertal Girls - Precursor to PCOS	K23 HD070854
Exposure to violence and unsafe sex in late adolescent African American women	R01HD067511-04
Feasibility of an internet-based study of time-to-pregnancy in the United States	R21 HD072326
Fragile Families and Child Wellbeing in Adolescence	R01 HD036916
Function of Toll-Like Receptors Throughout Pregnancy	P01 HD054713
Generations in Families Talking Safe Sleep	R01HD076702-01A1
Genes, Androgens and Intrauterine Environment in PCOS	P50 HD044405
Genetic Analysis of Human First Trimester Trophoblast in Ongoing Pregnancies	R21 HD071408
Genetic Basis of Cryptorchidism	R01 HD060769
Genetic Determinants of Uterine Fibroids in African-American and Caucasian Women	R01 HD064398
Genetic Studies of Uterine Leiomyomata	R01 HD060530
Genetics of Delayed Puberty	R01 HD033004
Genomic Basis of Premature Ovarian Insufficiency	R01 HD070647
Genomic Integrity of the X Chromosome and Ovary-Specific Autosomal Genes	R21 HD074278
Genomics of Spermatogenic Impairment	R0 HD078641
GHSU/WSU Cooperative Multicenter Reproductive Medicine Network	U10 HD039005
Harvard Reproductive Endocrine Sciences Center	P50 HD028138

Title	Grant Number
Health trajectories from age 12-32: Disparities, discrimination, & socialization	R01 HD068298-03S1
Healthy Bodies, Healthy Minds: Helping Adolescents with PCOS	K23 HD061598
How economic and neighborhood factors modify effects of school obesity policies	R00 HD07327
Hyperandrogenemia, Diet and Female Reproductive Health	P50 HD071836
Identifying evidence based strategies to enhance prosocial behaviors of children	F32 HD081838
Improving the Self-Efficacy of African American Parents in Infant Supine Sleep	R01 HD064770-05
Incidence and Outcomes of Ectopic Pregnancy in the Medicaid Population	K08 HD060663-05
Increased Postpartum Testing for Gestational Diabetes	R21 HD075640-01A1
Indiana University Center for Pediatric Pharmacology	U54 HD071598
Innovative Venue-Based Strategies to Identify STI Core Transmitters	R21 HD052438
Intratesticular Sex Steroids and Spermatogenesis in Man	K23 HD073164
Kisspeptin Physiology in the Human	R01 HD043341
Kisspeptin/Kiss1r in the Female Neuroendocrine Axis	R01 HD049651
Lexical structure in monolingual and bilingual Spanish-Speaking Children in US	F31 HD081933
Lighting System for Premature Infant Incubators	R41 HD078126-01A1
Longitudinal Population-Based Study of Vulvodynia	R01 HD054767
Longitudinal study of adverse driving outcomes among adolescents with ADHD	R01 HD079398-01A1
Luteal Progesterone Supplementation in Clomiphene Citrate-IUI Cycles	U1 HD077680
Measuring Stress Among Diverse Adolescents	R21 HD082813-01A1
Mechanisms & Effects of Prenatal Maternal Affect on Pregnancy & Infant Development	R01 HD073491-02 MPI
Mechanisms & Effects of Prenatal Maternal Affect on Pregnancy & Infant Development	R01 HD 073491-01A1
Metformin Use During in Vitro Fertilization in Polycystic Ovarian Syndrome	U10 HD055944
Mexican Children of Immigrants Program	P01 HD062498
Modulation of Hormonal and Systemic Immunity by Hormonal Contraceptive Use	R01 HD072663
Modulation of the Receptive Endometrium by CG	R01 HD042280
Molecular and Metabolic Aspects of Implantation	R01 HD065435
Monitoring Brain Health in Neonatal Congenital Heart Disease with Bedside CMR02	R21HD072505-01A1
Motion-Controlled Gaming for Neuroscience Education	5R43 HD075438-02
Multimodal Evaluation of Sensory Processing and Neurodevelopment in NICU Infants	K23HD074736-01A1
Neighborhood and Family Effects on Disparities in Chronic Disease	R01 HD058514
Neonatal Resuscitation with Intact Cord (NRIC)	R21 HD080594-01
Neurobiological bases of paternal nurturance	R21 HD078778-0

Title	Grant Number
Neurosecretory Gene Expression in the Hypothalamus	R01 HD072754
Noninvasive, Optoacoustic Monitoring of Cerebral Circulation in Preterm Neonates	R42 HD076568-01
Novel RF Coils and k-t Space Imaging for Neonatal Chest MRI within NICUs	R21 HD071540-01A1
Nuestros Niños Program: Promoting School Readiness for English Language Learners	U01 HD060299
Online Social Networks and Risky Sexual Behavior in Maltreated Adolescents	K01 HD069457-03
Organizational and activational effects of sex steroids on child self-regulation	K99 HD077058
Origins and Biological Consequences of Human Infertility	P50 HD055764
Parental Trust and Racial Disparities in the Care of Discharged Premature Infants	R01 HD057168
Pathological Adaptation to Exposure to Community Violence in Minority Male Youth	R03 HD072112-02
Patterns of adolescent food intake: Consequences and contextual influences	R03 HD079504
Patterns of Hypoxia and Mortality in the SUPPORT Trial Cohort	R03 HD078528-01A1
Pediatric CFS in a Community-Based Sample	R01 HD072208-02
Pediatric HIV/AIDS Cohort Study (PHACS) Adolescent Master Protocol	U01HD052102, U01HD052104
Pediatric HIV/AIDS Cohort Study (PHACS) Adolescent Master Protocol for Participants 18 Years of Age and Older	U01HD052102, U01HD052104
Pediatric HIV/AIDS Cohort Study (PHACS) Surveillance Monitoring for ART Toxicities Study in HIV-uninfected Children Born to HIV-infected Women	U01 HD052102, U01 HD052104
Penn Center for Study of Epigenetics in Reproduction	P50 HD068157
Phthalates in Drugs and Male Genital Malformation	R01HD059861
Pluripotent Stem Cells: Modeling Syncytiotrophoblast Development and Pathogenesis	R01HD077108
Population Research Infrastructure Support	R24 HD041028
Population Research Institute	R24 HD041025
Population Research Training	T32 HD007168
Poverty, Chronic Stress and Neural Regulation of Maternal Mood and Parenting	R21 HD078797
Preconception and Prenatal Stress: Pathways to Child Biology and Behavior	R01 HD072021-01A1
Predictive Informatics Monitoring in the Neonatal Intensive Care Unit	R01 HD072071-01A1
Predictors of Early Menopause	R01HD078517
Predictors of High-Risk Behavior among Youth	R01 HD060072-06A1
Progesterone Action in the Endometrium of Women with Endometriosis	R01HD067721
Promoting Child Inhibitory Control Skills around Food	R21 HD074987-01A1
Pubertal Hyperandrogenemia, Modification of Day-Night GnRH Secretion and PCOS	R01 HD058671

Title	Grant Number
Pubertal Stress Recalibration Hypothesis	R01 HD075349
Race, contraceptive behavior, and unintended pregnancy	R21 HD068736
Race, stress and dysregulated eating: Maternal to child transmission of obesity	R01 HD073568
Race/Ethnicity, Poverty, and Connection Between Child Health and Early Education	R01HD055359
Regulation of Stem Spermatogonia in the Mature Testis	R01HD074542
Retinoid Effects of Inflammation and Cell Growth Associated with Endometriosis	R01HD055379
Role of leptin-mediated PI3 Kinase signaling on reproductive control	R01HD061539
Sexual Behavior Trajectories from Adolescence to Adulthood	R01 HD057046
Sexual Revictimization: Emotional and Psychosocial Mechanisms	R01HD062226-05
Short-term outcomes of interventions for reproductive dysfunction	R01 HD074579
Small RNA Pathways in Mammalian Gametogenesis	P50 HD076210
Social Ecological Model for Community and Home-based Nutrition Education	5R44 HD071679-03
Social Media And Risk-reduction Training for Infant Care Practices (SMART)	R01HD072815-03
Social perception and social communication in adults with traumatic brain injury	R01 HD071089-04
Study of Attitudes and Factors Affecting Infant Care	U10 HD059207-05
Testosterone and Cortisol Levels in Infant Health and Development	R01 HD076871
The FIRSST Trial: Assessing Outcomes of Minimally Invasive Leiomyoma Therapies	R01 HD060503
The Florida Learning Disabilities Research Center	P50 HD052120
The Genetics of Polycystic Ovary Syndrome	R01 HD65029
The Intergenerational Transmission of Race Disparities in Health	K01 HD064537
The Kiss1 system in the Neuroendocrine Control of Reproduction	K99HD071970
The National Longitudinal Study of Adolescent to Adult Health	P01 HD031921
The Path to Language and Literacy: A Cross-Linguistic Longitudinal Approach	R01 HD068458
Timing of Inguinal Hernia Repair in Premature Infants: A Randomized Trial	U01 HD076733-01A1
Tools of the Mind: Promoting ELLs' Language, Self-Regulation & School-Readiness	U01 HD060296
Translational Research in Polycystic Ovary Syndrome	U54 HD034449
Treatment of Hyperandrogenism vs. Insulin Resistance in Infertile PCOS Women	R01 422HD056510
Unbound fatty acids, Intralipid and Unbound Bilirubin in Preterm Infants	R03 HD077422-01A1
Understanding individual and gender differences in educational and career choices	R03 HD074731
Understanding the genetic risk underlying racial disparities in uterine fibroids	R01 HD074711
Using the Exome to Discover Genetic Determinants of Fibroids in African Americans	R03 HD078567

Title	Grant Number
Web-based Parenting Intervention for Mothers of Infants At-Risk for Maltreatment	R01 HD064870-04

Publications with analysis(es) on sex/gender, race, and/or ethnicity

- Abdou CM, Dominguez TP, Myers HF. Maternal familism predicts birthweight and asthma symptoms three years later. *Soc Sci Med.* 2013 Jan;76(1):28-38. doi: 10.1016/j.socscimed.2012.07.041. Epub 2012 Sep 1.
- Abel, BS, Shaw, ND, Brown, JM, Adams, JM, Alati, T, Martin, KA, Pitteloud, N, Seminara, SB, Plummer, L, Pignatelli, D, Crowley, WF Jr., Welt, CK, and Hall, JE “Responsiveness to a physiological regimen of GnRH therapy and relation to genotype in women with isolated hypogonadotropic hypogonadism.” *J Clin Endocrinol Metab.* 2013;98:E206-216.
- Abreu AP, Dauber A, Macedo DB, Noel SD, Brito VN, Gill JC, Cukier P, Thompson IR, Navarro VM, Gagliardi PC, Rodrigues T, Kochi C, Longui CA, Beckers D, de Zegher F, Montenegro LR, Mendonca BB, Carroll RS, Hirschhorn JN, Latronico AC, Kaiser UB. “Central precocious puberty caused by mutations in the imprinted gene MKRN3.” *N Engl J Med.* 2013 Jun 27;368(26):2467-75. doi: 10.1056/NEJMoa1302160. Epub 2013 Jun 5.
- Allen JS, Emmorey K, Bruss J, Damasio H. (2013). Neuroanatomical differences in visual, motor, and language cortices between congenitally deaf signers, hearing signers, and hearing non-signers. *Front Neuroanat.*, 7:26. PMC3731534.
- Allison E. Curry, Melissa R. Pfeiffer, Rachel K. Myers, Dennis R. Durbin, Michael R. Elliott. Statistical implications of using moving violations to determine crash responsibility in young driver crashes *Accident Analysis & Prevention* Volume 65, April 2014, Pages 28-35
- Alperen J, Brummel S, Tassiopoulos K, Mellins CA, Kacanek D, Smith R, Seage GR III, & Moscicki AB for the Pediatric HIV/AIDS Cohort Study. Prevalence of and risk factors for substance use among perinatally HIV-infected and perinatally exposed but uninfected youth. *Journal of Adolescent Health* 2014; 54(3):341-49.
- Blumenfeld, HK, Marian, V. (2013). Parallel language activation and cognitive control during spoken word recognition in bilinguals. *J Cogn Psychology*, 25(5). PMC3827904.
- Boivin MJ, Bangirana P, Nakasujja N, Page CF, Shohet C, Givon D, Bass JK, Opoka RO, Klein PS. *J Pediatr.* 2013 A year-long caregiver training program improves cognition in preschool Ugandan children with human immunodeficiency virus. Nov;163(5):1409-16.e1-5. doi: 10.1016/j.jpeds.2013.06.055. Epub 2013 Aug 16.
- Borah, Bijan J; Nicholson, Wanda K; Bradley, Linda; Stewart, Elizabeth A. “The impact of uterine leiomyomas: a national survey of affected women.” *Am J Obstet Gynecol.* 2013 Oct; 209: 319.e1-319.e20.
- Boyer C, Robles-Schrader G, Li SX, Miller R, Korelitz J, Price GN, Rivera Torres C, Chutuape K, Stines S, Straub D, Peralta L, Febo I, Hightow-Weidman L, Gonin R, Kapogiannis B, Ellen J, and the Adolescent Trials Network for HIV/AIDS Interventions. A Comparison of Network-based Strategies for Screening At-Risk Hispanic/Latino Adolescents and Young Adults for Undiagnosed Asymptomatic HIV Infection. *J Adolesc Health*, in press.
- Boyer CB, Hightow-Weidman L, Bethel J, Li SX, Henry-Reid L, Futterman D, Maturo D, Straub DM, Kapogiannis BG, Howell K, Reid S, Lowe J, Ellen JM, and the Adolescent Medicine Trials Network. An Assessment of the Feasibility and Acceptability of a Friendship-Based Social Network Recruitment Strategy to Screen At-Risk African American and

- Hispanic/Latina Young Women for HIV Infection. *JAMA Pediatr*, 2013 Mar 1;167(3):289-96.
- Brower MA, Jones MR, Rotter JI, Krauss RM, Legro RS, Azziz R, Goodarzi MO. "Further Investigation in Europeans of Susceptibility Variants for Polycystic Ovary Syndrome Discovered in Genome-wide Association Studies of Chinese Individuals." *J Clin Endocrinol Metab*. 2014 Oct 10;jc20142689. [Epub ahead of print] PMID: 25303487
- Brzyski RG, Diamond MP, Coutifaris C, Schlaff WD, Casson P, Christman GM, Huang H, Yan Q, Alvero R, Haisenleder DJ, Barnhart KT, Bates GW, Usadi R, Lucidi S, Baker V, Trussell JC, Krawetz SA, Snyder P, Ohl D, Santoro N, Eisenberg E, Zhang H; NICHD Reproductive Medicine Network. "Letrozole or clomiphene for infertility in the polycystic ovary syndrome." *N Engl J Med*. 2014 Jul 10;371(2):119-29. doi: 10.1056/NEJMoa1313517. Erratum in: *N Engl J Med*. 2014 Oct 9;317(15):1465. PMID: 25006718
- Calling S, Palmér K, Jönsson L, Sundquist J, Winkleby M, Sundquist K. Preterm birth and unintentional injuries: risks to children, adolescents and young adults show no consistent pattern. *Acta Paediatr*. 2013 Mar;102(3):287-93. doi: 10.1111/apa.12106. Epub 2012 Dec 27.
- Cavalcante JC, Bittencourt JC, Elias CF. "Distribution of the neuronal inputs to the ventral premammillary nucleus of male and female rats." *Brain Res*. 2014 Sep 25;1582:77-90. doi: 10.1016/j.brainres.2014.07.034. Epub 2014 Jul 30
- Choukas-Bradley S, Giletta M, Widman L1, Cohen GL, Prinstein MJ Experimentally measured susceptibility to peer influence and adolescent sexual behavior trajectories: A preliminary study. *Dev Psychol*. 2014 Sep;50(9):2221-7. doi: 10.1037/a0037300. Epub 2014 Jul 7.
- Collins JS, Beller JP, Burt Solorzano C, Patrie JT, Chang RJ, Marshall JC, McCartney CR. "Blunted day-night changes in luteinizing hormone pulse frequency in girls with obesity: the potential role of hyperandrogenemia." *J Clin Endocrinol Metab*. 2014 Aug;99(8):2887-96. doi: 10.1210/jc.2013-3258. Epub 2014 Apr 29. PMID: 24780043
- Costa-Barbosa FA, Balasubramanian R, Keefe KW, Shaw ND, Al-Tassan N, Plummer L, Dwyer AA, Buck CL, Choi JH, Seminara SB, Quinton R, Monies D, Meyer B, Hall JE, Pitteloud N, Crowley WF Jr. "Prioritizing genetic testing in patients with Kallmann syndrome using clinical phenotypes." *J Clin Endocrinol Metab*. 2013 May;98(5):E943-53. doi: 10.1210/jc.2012-4116. Epub 2013 Mar 26
- Crosnoe R. Obesity, family instability, and socioemotional health in adolescence. *Econ Hum Biol*. 2012 Dec;10(4):375-84. doi: 10.1016/j.ehb.2012.04.005. Epub 2012 May 15.
- DiMeglio L, Wang J, Siberry G, Miller T, Geffner M, Hazra R, Borkowsky W, Chen J, Dooley L, Patel K, Van Dyke R, Fielding R, Gurmu Y, Jacobson D for the Pediatric HIV/AIDS Cohort Study (PHACS). Bone mineral density in children and adolescents with perinatal HIV infection. *AIDS* 2013; 27(2):211-220.
- Duncan SC, Strycker LA, Chaumeton NRSchool influences on the physical activity of african american, latino, and white girls. *J Sch Health*. 2015 Jan;85(1):43-52. doi: 10.1111/josh.12218.
- Dyson, Nancy I; Jordan, Nancy C; Glutting, Joseph. A number sense intervention for low-income kindergartners at risk for mathematics difficulties. *Journal of learning disabilities*, 2014, 46(2) 166–181. PMID:3566272
- Ellen JM, Kapogiannis B, Fortenberry JD, Xu J, Willard N, DuVal A, Pace J, Loeb J, Monte D, Bethel J, and the Adolescent Medicine Trials Network. HIV Viral Load Levels and CD4⁺ Cell Counts of Youth in Fourteen U.S. Cities. *AIDS*, 2014 May 15;28(8):1213-9.

- Eltoukhi, Heba M; Modi, Monica N; Weston, Meredith; Armstrong, Alicia Y; Stewart, Elizabeth
“The health disparities of uterine fibroid tumors for African American women: a public health issue.” *Am J Obstet Gynecol*. 2014 Mar; 210:194-9.
- Everett BG. Sexual orientation disparities in sexually transmitted infections: examining the intersection between sexual identity and sexual behavior. *Arch Sex Behav*. 2013 Feb;42(2):225-36. doi: 10.1007/s10508-012-9902-1. Epub 2012 Feb 16.
- Everhart RS, Kopel SJ, Esteban CA, McQuaid EL, Klein R, McCue CE, Koinis-Mitchell D. Allergic rhinitis quality of life in urban children with asthma. *Ann Allergy Asthma Immunol*. 2014 Apr;112(4):365-70.e1. doi: 10.1016/j.anai.2014.02.002. Epub 2014 Feb 28.
- Fernandez MI, Huszti HC, Wilson PA, Kahana S, Nichols SL, Gonin R, Xu J, Kapogiannis BG, the ATN 086 Protocol Team, and the Adolescent Medicine Trials Network. Profiles of Risk Among HIV-Infected Youth in a Clinic Setting. *AIDS Behav*, in press.
- Fletcher J, Mailick M, Song J, Wolfe B. A sibling death in the family: common and consequential. *Demography*. 2013 Jun;50(3):803-26. doi: 10.1007/s13524-012-0162-4.
- Foraker RE, Patel MD, Whitsel EA, Suchindran CM, Heiss G, Rose KM. Neighborhood socioeconomic disparities and 1-year case fatality after incident myocardial infarction: the Atherosclerosis Risk in Communities (ARIC) Community Surveillance (1992-2002). *Am Heart J*. 2013 Jan;165(1):102-7. doi: 10.1016/j.ahj.2012.10.022. Epub 2012 Nov 20.
- Fried LE, Williams S, Cabral H, Hacker K. Differences in risk factors for suicide attempts among 9th and 11th grade youth: a longitudinal perspective. *J Sch Nurs*. 2013 Apr;29(2):113-22. doi: 10.1177/1059840512461010. Epub 2012 Sep 24.
- Garvie P, Zeldow B, Malee K, Nichols S, Smith R, Wilkins M, & Williams P for the Pediatric HIV/AIDS Cohort Study. Discordance of cognitive and academic achievement outcomes in youth with perinatal HIV exposure. *Pediatr Infect Dis J*. 2014; 33(9):e232.
- Gautron L, Cravo RM, Elmquist JK, Elias CF. “Discrete melanocortin-sensitive neuroanatomical pathway linking the ventral premammillary nucleus to the paraventricular hypothalamus.” *Neuroscience*. 2013 Jun 14;240:70-82. doi: 10.1016/j.neuroscience.2013.02.024. Epub 2013 Feb 26
- Gibbs L. Gender, relationship type and contraceptive use at first intercourse. *Contraception*. 2013 Jun;87(6):806-12. doi: 10.1016/j.contraception.2012.09.030. Epub 2012 Nov 7.
- Golden SD, Perreira KM, Durrance CP. Troubled times, troubled relationships: how economic resources, gender beliefs, and neighborhood disadvantage influence intimate partner violence. *J Interpers Violence*. 2013 Jul;28(10):2134-55. doi: 10.1177/0886260512471083. Epub 2013 Jan 8.
- Gullifer, J., Kroll, J. F., & Dussias, P. E. (2013). When language switching has no apparent cost: Lexical access in sentence context. *Frontiers in Psychology*. doi: 10.3389/fpsyg.2013.00278
- Havens PL, Hazra R, Stephensen CB, Kiser JJ, Flynn PM, Wilson CM, Rutledge B, Bethel J, Pan CG, Woodhouse LR, Van Loan MD, Liu N, Lujan-Zilbermann J, Baker A, Kapogiannis BG, Gordon CM, Mulligan K, and the Adolescent Medicine Trials Network. Vitamin D3 Supplementation Increases FGF23 in HIV-Infected Youth treated with Tenofovir Disoproxil Fumarate. *Antiviral Therapy*, in press.
- Havens PL, Kiser JJ, Stephensen CB, Hazra R, Flynn PM, Wilson CM, Rutledge B, Bethel J, Pan CG, Woodhouse LR, Van Loan MD, Liu N, Lujan-Zilbermann J, Baker A, Kapogiannis BG, Gordon C, Mulligan K and the Adolescent Medicine Trials Network for HIV/AIDS Interventions ATN 063 study team. Association of higher plasma vitamin D binding protein and lower free calcitriol with tenofovir disoproxil fumarate use and plasma and

- intracellular tenofovir pharmacokinetics: Cause of a functional vitamin D deficiency? *Antimicrob Agents Chemother*, 2013 Nov;57(11):5619-28.
- Haydon AA, Herring AH, Halpern CT. Associations between patterns of emerging sexual behavior and young adult reproductive health. *Perspect Sex Reprod Health*. 2012 Dec;44(4):218-27. doi: 10.1363/4421812. Epub 2012 Oct 3.
- Heerman WJ, Perrin EM, Yin HS, Sanders LM, Eden SK5, Shintani A, Coyne-Beasley T, Bronaugh AB, Barkin SL, Rothman RL. Health literacy and injury prevention behaviors among caregivers of infants. *Am J Prev Med*. 2014 May;46(5):449-56. doi: 10.1016/j.amepre.2014.01.005.
- Hicken MT, Gee GC, Morenoff J, Connell CM, Snow RC, Hu H. A novel look at racial health disparities: the interaction between social disadvantage and environmental health. *Am J Public Health*. 2012 Dec;102(12):2344-51. doi: 10.2105/AJPH.2012.300774. Epub 2012 Oct 18.
- Hillemeier MM, Lanza ST, Landale NS, Oropesa RS. Measuring early childhood health and health disparities: a new approach. *Matern Child Health J*. 2013 Dec;17(10):1852-61. doi: 10.1007/s10995-012-1205-6.
- Hoffmann HM, Tamrazian A, Xie H, Pérez-Millán MI, Kauffman AS, Mellon PL. "Heterozygous deletion of ventral anterior homeobox (*vax1*) causes subfertility in mice." *Endocrinology*. 2014 Oct;155(10):4043-53. doi: 10.1210/en.2014-1277. Epub 2014 Jul 25.
- Hosek SG, Siberry G, Bell M, Lally M, Kapogiannis B, Green K, Fernandez MI, Rutledge B, Martinez J, Garofalo R, Wilson CM, and the Adolescent Medicine Trials Network. Project PrEPare (ATN 082): The Acceptability and Feasibility of an HIV Pre-Exposure Prophylaxis (PrEP) Trial with Young Men who Have Sex With Men (YMSM). *J Acquir Immune Defic Syndr*, 1 April 2013;62(4):447-456.
- Kahana SY, Fernandez MI, Wilson PA, Lee S, Bauermeister JA, Wilson CM, Hightow-Weidman LB, the ATN 086 Protocol Team, and the Adolescent Trials Network for HIV/AIDS Interventions. Antiretroviral Use and Virologic Detectability among HIV+ Youth Linked to Care in the United States. *J Acquir Immune Defic Syndr*, in press.
- Kavanaugh ML, Moore AM, Akinyemi O, Adewole I, Dzekedzeke K, Awolude O, Arulogun O. Community attitudes towards childbearing and abortion among HIV-positive women in Nigeria and Zambia. *Cult Health Sex*. 2013;15(2):160-74. doi: 10.1080/13691058.2012.745271. Epub 2012 Nov 23.
- Kelly BC, Wells BE, Leclair A, Tracy D, Parsons JT, Golub SA. Prevalence and correlates of prescription drug misuse among socially active young adults. *Int J Drug Policy*. 2013 Jul;24(4):297-303. doi: 10.1016/j.drugpo.2012.09.002. Epub 2012 Oct 1. Kelly et al, 2014. *J Clin Endocrinol Metab*, 99:2104-12
- Khan MR, Berger A, Hemberg J, O'Neill A, Dyer TP, Smyrk K. Non-injection and injection drug use and STI/HIV risk in the United States: the degree to which sexual risk behaviors versus sex with an STI-infected partner account for infection transmission among drug users. *AIDS Behav*. 2013 Mar;17(3):1185-94. doi: 10.1007/s10461-012-0276-0.
- Kreager DA, Haynie DL, Hopfer S. Dating and substance use in adolescent peer networks: a replication and extension. *Addiction*. 2013 Mar;108(3):638-47. doi: 10.1111/j.1360-0443.2012.04095.x. Epub 2012 Nov 1.
- Legro RS, Brzyski RG, Diamond MP, Coutifaris C, Schlaff WD, Alvero R, Casson P, Christman GM, Huang H, Yan Q, Haiseneder DJ, Barnhart KT, Bates GW, Usadi R, Lucidi R, Baker V, Trussell JC, Krawetz SA, Snyder P, Ohl D, Santoro N, Eisenberg E, Zhang H, "National

- Institute of child Health and Human Development Reproductive Medicine Network." Fertil Steril. 2014 Jan, 1010(1) 258-269.
- Legro RS, Zhang H; Eunice Kennedy Shriver NICHD Reproductive Medicine Network. "Letrozole or clomiphene for infertility in the polycystic ovary syndrome." N Engl J Med. 2014 Oct 9;371(15):1463-4. doi: 10.1056/NEJMc1409550. No abstract available. PMID: 25295506
- Liu DM, Torchen LC, Sung Y, Papparodis R, Legro RS, Grebe SK, Singh RJ, Taylor RL, Dunaif A. "Evidence for gonadotrophin secretory and steroidogenic abnormalities in brothers of women with polycystic ovary syndrome." Hum Reprod. 2014 Dec;29(12):2764-72. doi: 10.1093/humrep/deu282. Epub 2014 Oct 21. PMID: 25336708
- Longmore MA, Johnson WL, Manning WD, Giordano PC. HIV testing among heterosexual young adults: the influence of partners' risk behaviors and relationship dynamics. J Sex Res. 2013;50(5):489-501. doi: 10.1080/00224499.2012.661101. Epub 2012 Apr 10.
- MacDonell K, Naar-King S, Huszti H, Belzer M, and the Adolescent Medicine Trials Network. Barriers to Medication Adherence in Behaviorally and Perinatally Infected Youth Living With HIV. *AIDS Behav*, 2013 Jan;17(1):86-93.
- Maddox Shaw AM, Rhoades GK, Allen ES, Stanley SM, Markman HJ. Predictors of extradyadic sexual involvement in unmarried opposite-sex relationships. J Sex Res. 2013;50(6):598-610. doi: 10.1080/00224499.2012.666816. Epub 2012 Apr 23.
- Malee KM, Mellins CA, Huo Y, Tassiopoulos K, Smith R, Sirois PA, Allison SM, Kacanek D, Kapetanovic S, Williams PL, Grant ML, Marullo D, & Aidala AA for the Pediatric HIV/AIDS Cohort Study (PHACS). Prevalence, incidence and persistence of psychiatric and substance use disorders among mothers living with HIV. J Acquir Immune Defic Syndro 2013;65(5):526-34.
- Marian V, Blumenfeld HK, Mizrahi E, Kania U, Cordes AK. (2013). Multilingual Stroop performance: Effects of trilingualism and proficiency on inhibitory control. *Int J Multiling*, 10(1), 82-104. PMID: PMC3772737.
- Marian V, Shook A, Schroeder SR. (2013). Bilingual Two-Way Immersion Programs Benefit Academic Achievement. *Bilingual Research Journal*, 36(2), 167-186. PMID: 3838203.
- Martikainen P, Ho JY, Preston S, Elo IT. The changing contribution of smoking to educational differences in life expectancy: indirect estimates for Finnish men and women from 1971 to 2010. J Epidemiol Community Health. 2013 Mar;67(3):219-24. doi: 10.1136/jech-2012-201266. Epub 2012 Nov 30.
- Martin SR1, Chorney JM, Cohen LL, Kain ZN. Sequential analysis of mothers' and fathers' reassurance and children's postoperative distress. J Pediatr Psychol. 2013 Nov;38(10):1121-9. doi: 10.1093/jpepsy/jst061. Epub 2013 Aug 20.
- Martins SS, Kim JH, Chen L, Levin D, Keyes KM, Cerdá M, Storr CL. Nonmedical prescription drug use among US young adults by educational attainment. Soc Psychiatry Psychiatr Epidemiol. 2014 Nov 27. [Epub ahead of print]
- McQuaid EL, Fedele DA, Adams SK, Koinis-Mitchell D, Mitchell J, Kopel SJ, Seifer R, Jandasek B2, Fritz GK, Canino G. Complementary and alternative medicine use and adherence to asthma medications among Latino and non-Latino white families. Acad Pediatr. 2014 Mar-Apr;14(2):192-9. doi: 10.1016/j.acap.2013.09.006.
- Nicodemus B, Emmorey K. Direction asymmetries in spoken and signed language interpreting. *Bilingualism*, 16(3):624-636. PMID: 3698981.
- Nozyce ML, Huo Y, Williams PL, Kapetanovic S, Hazra R, Nichols S, Hunter S, Smith R, Seage GR III, & Sirois P for the Pediatric HIV/AIDS Cohort Study. Safety of in utero neonatal ARV exposure: cognitive and academic outcomes in HIV-exposed, uninfected children age 5-13 years. Pediatr Infect Dis J. 2014; 33(11):1128-33.

- Parker ME, Tembo M, Adair L, Chasela C, Piwoz EG, Jamieson DJ, Ellington S, Kayira D, Soko A, Mkhomawanthu C, Martinson F, van der Horst CM, Bentley ME; BAN Study Team. The health of HIV-exposed children after early weaning. *Matern Child Nutr.* 2013 Apr;9(2):217-32. doi: 10.1111/j.1740-8709.2011.00369.x. Epub 2011 Nov 20.
- Pauli SA, Session DR, Shang W, Easley K, Wieser F, Taylor RN, Pierzchalski K, Napoli JL, Kane MA, Sidell N "Analysis of Follicular Fluid Retinoids in Women Undergoing In Vitro Fertilization: Retinoic Acid Influences Embryo Quality and Is Reduced in Women With Endometriosis." *Reprod Sci.* 2013;20: 1116-1124.
- Peck SC, Brodish AB, Malanchuk O, Banerjee M, Eccles JS. Racial/ethnic socialization and identity development in Black families: the role of parent and youth reports. *Dev Psychol.* 2014 Jul;50(7):1897-909. doi: 10.1037/a0036800. Epub 2014 May 5.
- Philbin MM, Tanner AE, DuVal A, Ellen J, Xu J, Kapogiannis B, Bethel J, Fortenberry JD, and the Adolescent Medicine Trials Network. Factors affecting linkage to care and engagement in care for newly diagnosed HIV-positive adolescents within fifteen Adolescent Medicine Clinics in the United States. *AIDS Behav.* 2014 Aug;18(8): 1501-10.
- Pierzchalski K, Taylor RN, Nezhat C, Jones JW, Napoli JL, Yang G, Kane MA, Sidell N "Retinoic acid biosynthesis is impaired in human and murine endometriosis." *Biol Reprod.* 2014, 91: 84-92.
- Polk S, Ellen JM, Fichtenberg C, Huettner S, Jennings JM. HIV prevalence overall and among high-HIV-risk behaviorally defined subgroups among heterosexuals at community-based venues in a Mid-Atlantic, US City. *J Urban Health.* 2013 Aug;90(4):747-57. doi: 10.1007/s11524-012-9776-5.
- Popa SM, Moriyama RM, Caligioni CS, Yang JJ, Cho CM, Concepcion TL, Oakley AE, Lee IH, Sanz E, Amieux PS, Caraty A, Palmiter RD, Navarro VM, Chan YM, Seminara SB, Clifton DK, Steiner RA. "Redundancy in Kiss1 expression safeguards reproduction in the mouse." *Endocrinology.* 2013 Aug;154(8):2784-94. doi: 10.1210/en.2013-1222. Epub 2013 Jun 4
- Porter TR, Li X, Stephensen CB, Mulligan K, Rutledge B, Flynn PM, Lujan-Zilbermann J, Hazra R, Wilson CM, Havens PL, Tang J, and the Adolescent Medicine Trials Network. Genetic Associations with 25-Hydroxyvitamin D Deficiency in HIV-1-Infected Youth: Fine-Mapping for the *GC/DBP* Gene That Encodes the Vitamin D-Binding Protein. *Front Genet.* 4:234.
- Przybyla SM, Golin CE, Widman L, Grodensky CA, Earp JA, Suchindran C. Serostatus disclosure to sexual partners among people living with HIV: examining the roles of partner characteristics and stigma. *AIDS Care.* 2013;25(5):566-72. doi: 10.1080/09540121.2012.722601. Epub 2012 Sep 28.
- Qiu X, Dowling AR, Marino JS, Faulkner LD, Bryant B, Brüning JC, Elias CF, Hill JW. "Delayed puberty but normal fertility in mice with selective deletion of insulin receptors from Kiss1 cells." *Endocrinology.* 2013 Mar;154(3):1337-48. doi: 10.1210/en.2012-2056. Epub 2013 Feb 7
- Reed, Barbara D; Legocki, Laurie J; Plegue, Melissa A; Sen, Ananda; Haefner, Hope K; Harlow, Sioban D. "Factors associated with vulvodynia incidence." *Obstet Gynecol.* 2014 Feb; 123:225-31.
- Rice ML, Zeldow B, Siberry GK, Purswani M, Malee K, Hoffman H, Frederick T, Buchanan A, Sirois PA, Allison SM, & Williams PL, for the Pediatric HIV/AIDS Cohort Study. Evaluation of risk for late language emergence after In Utero antiretroviral drug exposure in HIV-exposed uninfected infants. *Pediatr Infect Dis J.* 2013; 32(10):e406-413.

- Roberts AL, Glymour MM, Koenen KC. Does maltreatment in childhood affect sexual orientation in adulthood? *Arch Sex Behav*. 2013 Feb;42(2):161-71. doi: 10.1007/s10508-012-0021-9. Epub 2012 Sep 14.
- Roberts AL, Rosario M, Calzo JP, Corliss HL, Frazier L, Austin SB. Masculine boys, feminine girls, and cancer risk behaviors: an 11-year longitudinal study. *J Adolesc Health*. 2014 Sep;55(3):373-9. doi: 10.1016/j.jadohealth.2014.02.020. Epub 2014 Apr 16.
- Rough K, Tassiopoulos K, Kacanek D, Griner R, Yogev R, Rich KC, & Seage GR III for the Pediatric HIV/AIDS Cohort Study. Dramatic decline in substance use by HIV-infected pregnant women in the United States from 1990 to 2012. *AIDS* 2015; 29(1):117-123.
- Rubinstein ML, Harris DR, Rudy BJ, Kapogiannis BG, Aldrovandi GM, Mulligan K, the ATN 021 protocol team, and the Adolescent Medicine Trials Network. Exploration of the Effect of Tobacco Smoking on Metabolic Measures in Young People Living with HIV. *AIDS Res Treat*, 2014; 2014: 740545.
- Saberi P, Mayer K, Vittinghoff E, Naar-King S, and the Adolescent Medicine Trials Network. Correlation between Use of Antiretroviral Adherence Devices by HIV-infected Youth and Plasma HIV RNA and Self-reported Adherence. *AIDS Behav*, in press.
- Sastry N, Gregory J. The effect of Hurricane Katrina on the prevalence of health impairments and disability among adults in New Orleans: differences by age, race, and sex. *Soc Sci Med*. 2013 Mar;80:121-9. doi: 10.1016/j.socscimed.2012.12.009. Epub 2012 Dec 20.
- Schoenfeld EA, Loving TJ. I do...do you? Dependence and biological sex moderate daters' cortisol responses when accommodating a partner's thoughts about marriage. *Int J Psychophysiol*. 2013 Jun;88(3):325-33. doi: 10.1016/j.ijpsycho.2012.06.182. Epub 2012 Jul 16.
- Sheehan CM, Rogers RG, Williams GW 4th, Boardman JD. Gender differences in the presence of drugs in violent deaths. *Addiction*. 2013 Mar;108(3):547-55. doi: 10.1111/j.1360-0443.2012.04098.x. Epub 2012 Nov 1. Erratum in: *Addiction*. 2013 Jun;108(6):1176.
- Sidhoum VF, Chan YM, Lippincott MF, Balasubramanian R, Quinton R, Plummer L, Dwyer A, Pitteloud N, Hayes FJ, Hall JE, Martin KA, Boepple PA, Seminara SB. "Reversal and relapse of hypogonadotropic hypogonadism: resilience and fragility of the reproductive neuroendocrine system." *J Clin Endocrinol Metab*. 2014 Mar;99(3):861-70. doi: 10.1210/jc.2013-2809. Epub 2013 Jan 1.
- Sirois P, Huo Y, Williams PL, Malee K, Garvie P, Kammerer B, Rich K, Van Dyke RB, & Nozyce ML for the Pediatric HIV/AIDS Cohort Study. Safety of perinatal exposure to antiretroviral medications: developmental outcomes in infants. *Pediatr Infect Dis J*. 2013; 32(6):648-655.
- Skinner AC, Skelton JA. Prevalence and trends in obesity and severe obesity among children in the United States, 1999-2012. *JAMA Pediatr*. 2014 Jun;168(6):561-6. doi: 10.1001/jamapediatrics.2014.21.
- Sorber R, Winston S, Koech J, Ayuku D, Hu L, Hogan J, Braitstein P. Social and economic characteristics of street youth by gender and level of street involvement in Eldoret, Kenya. *PLoS One*. 2014 May 14;9(5):e97587. doi: 10.1371/journal.pone.0097587. eCollection 2014.
- Stewart, Elizabeth A; Nicholson, Wanda K; Bradley, Linda; Borah, Bijan J. "The burden of uterine fibroids for African-American women: results of a national survey." *J Womens Health*. 2013 Oct; 22:807-16.
- Swisher RR, Roettger ME. Father's Incarceration and Youth Delinquency and Depression: Examining Differences by Race and Ethnicity. *J Res Adolesc*. 2012 Dec 1; 22(4):597-603. Epub 2012 Jun 8.

- Tassiopoulos K, Moscicki B, Mellins C, Kacanek D, Malee K, Allison S, Hazra R, Siberry G, Smith R, Paul M, Van Dyke R, & Seage GR III for the Pediatric HIV/AIDS Cohort Study. Sexual risk behavior among youth with perinatal HIV infection in the US: Predictors and implications for intervention development. *Clin Infect Dis* 2013; 56(2):283-290. PMID: 3526253.
- Taylor LK, Merrilees CE, Goeke-Morey MC, Shirlow P, Cummings EM. Trajectories of Adolescent Aggression and Family Cohesion: The Potential to Perpetuate or Ameliorate Political Conflict. *J Clin Child Adolesc Psychol*. 2014 Oct 13:1-15. [Epub ahead of print]
- Telugu BP, Adachi K, Schlitt JM, Ezashi T, Schust DJ, Roberts RM, Schulz LC "Comparison of extravillous trophoblast cells derived from human embryonic stem cells and from first trimester human placentas." *Placenta*. 2013;34:536-543.
- The NS, Richardson AS, Gordon-Larsen P. Timing and duration of obesity in relation to diabetes: findings from an ethnically diverse, nationally representative sample. *Diabetes Care*. 2013 Apr;36(4):865-72. doi: 10.2337/dc12-0536. Epub 2012 Dec 5. Vernarelli JA, Lambert JD. Tea consumption is inversely associated with weight status and other markers for metabolic syndrome in US adults. *Eur J Nutr*. 2013 Apr; 52(3):1039-48. doi: 10.1007/s00394-012-0410-9. Epub 2012 Jul 10.
- Wang, Ming-Te; Degol, Jessica. Motivational Pathways to STEM Career Choices: Using Expectancy-Value Perspective to Understand Individual and Gender Differences in STEM Fields *Dev Rev* 2013 v33-4 p 304–340. PMID:3843492
- Watts D, Williams P, Kacanek D, Griner R, Rich K, Hazra R, Mofenson L, and Mendez H for the Pediatric HIV/AIDS Cohort Study. Combination antiretroviral use and preterm birth. *J Infect Dis* 2013; 207(4):612-621.
- Wells BE, Kelly BC, Pawson M, Leclair A, Parsons JT, Golub SA. Correlates of concurrent energy drink and alcohol use among socially active adults. *Am J Drug Alcohol Abuse*. 2013 Jan; 39(1):8-15. doi: 10.3109/00952990.2012.720320. Epub 2012 Oct 3.
- Whiteley LB, Brown LK, Swenson R, Kapogiannis BG, Harper GW, and the Adolescent Medicine Trials Network. Mental Health Care among HIV Infected Youth in Medical Care: Disparities and Equalities. *J Int Assoc Provid AIDS Care*, 2014 Jan-Feb; 13(1):29-34.
- Williams LR, Russell ST. Shared social and emotional activities within adolescent romantic and non-romantic sexual relationships. *Arch Sex Behav*. 2013 May; 42(4):649-58. doi: 10.1007/s10508-012-0043-3. Epub 2013 Jan 8.
- Williams PL, Abzug MJ, Jacobson DL, Wang J, Van Dyke RB, Hazra R, Patel K, DiMeglio LA, McFarland EJ, Silio M, Borkowsky W, Seage GR III, Oleske JM, & Geffner ME, for the International Maternal Pediatric and Adolescent AIDS Clinical Trials P219/219C Study and the Pediatric HIV/AIDS Cohort Study. Pubertal onset in perinatally HIV-infected children in the era of combination antiretroviral treatment. *AIDS* 2013; 27(12):1959-70.
- Williams PL, Crain M, Yildirim C, Hazra R, Van Dyke RB, Rich K, Read JS, Stuard E, Rathore M, Mendez HA, & Watts DH for the Pediatric HIV/AIDS Cohort Study (PHACS). Congenital anomalies and in utero antiretroviral exposure in human immunodeficiency virus - exposed uninfected infants. *JAMA Pediatrics* 2015; 169 (1):48-55.
- Wilson AC, Moss A, Palermo TM, Fales JL. Parent pain and catastrophizing are associated with pain, somatic symptoms, and pain-related disability among early adolescents. *J Pediatr Psychol*. 2014 May; 39(4):418-26. doi: 10.1093/jpepsy/jst094. Epub 2013 Dec 24.
- Wise LA, Palmer JR, Rosenberg L. "Body size and time-to-pregnancy in black women." *Hum Reprod*. 2013 Oct; 28(10):2856-64. doi: 10.1093/humrep/det333. Epub 2013 Aug 19. PMID: 23958939

Wright R, Holloway S, Ellis M. Gender and the neighborhood location of mixed-race couples. *Demography*. 2013 Apr; 50(2):393-420. doi: 10.1007/s13524-012-0158-0.

Wu J, Taylor RN, Sidell N, "Retinoic acid regulates gap junction intercellular communication in human endometrial stromal cells through modulation of the phosphorylation status of connexin 43." *J Cell Physiol* 2013, 228: 903-910.

Yang P, Dai A, Alexenko AP, Liu Y, Stephens AJ, Schulz LC, Schust DJ, Roberts RM, Ezashi T "Abnormal oxidative stress responses in fibroblasts from preeclampsia infants." *PLoS One* 2014, 9:e10