



FY 2007 DATA BOOK

Extramural Loan Repayment Programs

NIH Division of Loan Repayment

Revised: March 1, 2014

Fiscal Year 2007 Highlights

Fiscal Year period covers
October 1, 2006 to September 30, 2007

Application Cycle:

September 1 - December 1, 2006

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Note: Numbers and statistics reported on the program are the result of a consistent methodology established by the revision date of this document. Documents published previously may show slight discrepancies.

NIH Institutes and Centers*

Institutes

National Cancer Institute (NCI)
National Eye Institute (NEI)
National Heart, Lung, and Blood Institute (NHLBI)
National Human Genome Research Institute (NHGRI)
National Institute on Aging (NIA)
National Institute on Alcohol Abuse and Alcoholism (NIAAA)
National Institute of Allergy and Infectious Diseases (NIAID)
National Institute of Arthritis and Musculoskeletal and Skin Diseases (NIAMS)
National Institute of Biomedical Imaging and Bioengineering (NIBIB)
***Eunice Kennedy Shriver* National Institute of Child Health and Human Development (NICHD)**
National Institute on Deafness and Other Communication Disorders (NIDCD)
National Institute of Dental and Craniofacial Research (NIDCR)
National Institute of Diabetes and Digestive and Kidney Diseases (NIDDK)
National Institute on Drug Abuse (NIDA)
National Institute of Environmental Health Sciences (NIEHS)
National Institute of General Medical Sciences (NIGMS)
National Institute of Mental Health (NIMH)
National Institute of Neurological Disorders and Stroke (NINDS)
National Institute of Nursing Research (NINR)

Centers

John E. Fogarty International Center (FIC)
National Center for Complementary and Alternative Medicine (NCCAM)
National Center for Research Resources (NCRR)

* Participating in the Extramural Loan Repayment Programs

The Year in Review

In Fiscal Year (FY) 2007, 3,066 individuals applied to the five Extramural Loan Repayment Programs (LRPs): Clinical Research, Pediatric Research, Health Disparities Research, Clinical Research for Individuals from Disadvantaged Backgrounds, and Contraception and Infertility Research. Of those applicants, 1,646 were awarded contracts totaling \$73,749,265. The combined (new and renewal applicants) success rate for the Extramural LRPs was 54 percent.

The Extramural Clinical Research LRP received 56 percent (1,711) of all applications.

New applicants (those not previously funded) constituted 62 percent of all applications while renewal applicants (those previously funded) comprised 38 percent of all applicants. Success rates for new and renewal applicants were 42 and 72 percent, respectively.

The LRPs are open to health professionals with doctoral level degrees or advanced certifications and varying levels of experience. Many FY2007 awardees are beginning their careers, with 26 percent having received their qualifying degrees within the last 5 years and 78 percent within the past 10 years.

MDs (including those with MD/PhD degrees) comprised 53 percent of the 1,646 awards, while those with PhDs or other doctoral level degrees comprised 47 percent of the total awards.

Fifty-one percent of the 1,646 awardees had educational debt greater than \$50,000, with approximately 4 percent having debt levels greater than \$200,000.

Women received 869 of the 1,646 LRP awards. African-Americans received 170 awards, Asian/Pacific Islanders received 178 awards, Hispanics received 109 awards, and Native Americans were recipients of 18 awards.

The Five Extramural Loan Repayment Programs (LRP)

Clinical Research LRP:

Clinical research is patient-oriented clinical research conducted with human subjects, or research on the causes and consequences of disease in human populations involving material of human origin (such as tissue specimens and cognitive phenomena) for which an investigator or colleague directly interacts with human subjects in an outpatient or inpatient setting to clarify a problem in human physiology, pathophysiology or disease, or epidemiologic or behavioral studies, outcomes research or health services research, or developing new technologies, therapeutic interventions, or clinical trials.

Pediatric Research LRP:

Qualified Pediatric Research is defined as research directly related to diseases, disorders, and other conditions in children.

Health Disparities Research LRP:

The scope of research qualified for this program includes basic research, clinical research or behavioral research directly related to health disparity populations and the medically underserved. Group is defined as a health disparity population: if there is a significant disparity in the overall rate of disease incidence, prevalence, morbidity, mortality, or survival rates in the population as compared to the health status of the general population.

Clinical Research for Individuals from Disadvantaged Backgrounds LRP:

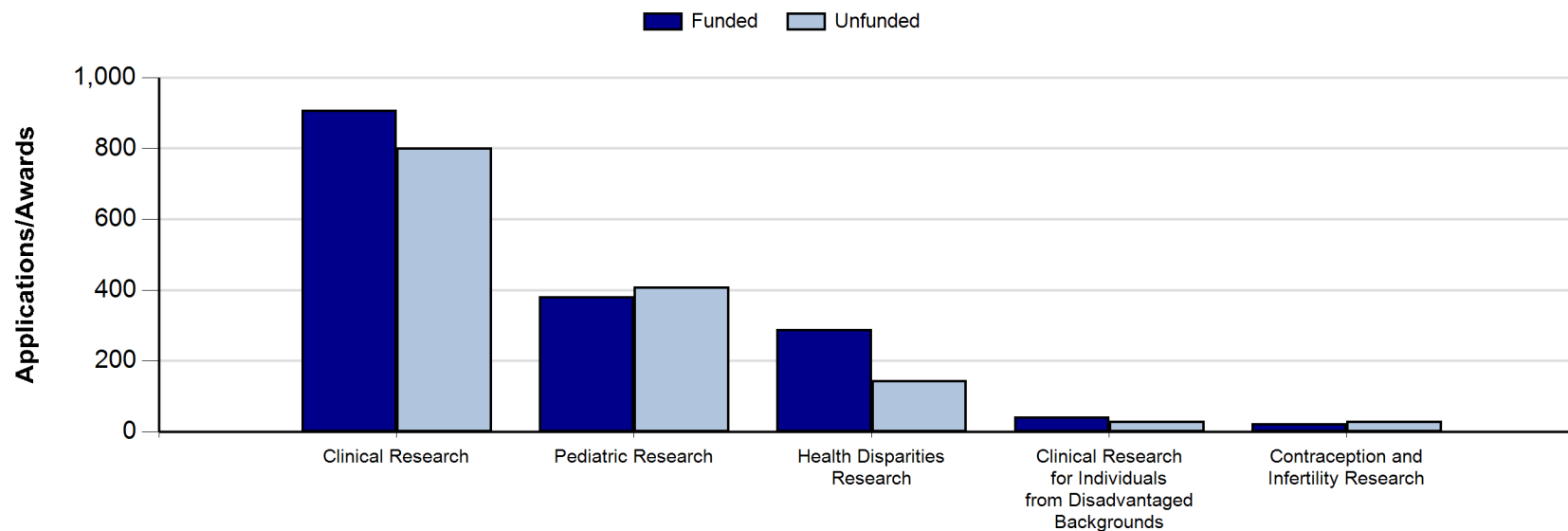
For this program, an individual from a disadvantaged background is defined according to low family income levels set by the U.S. Bureau of the Census – as published in the Federal Register.

To meet this low-income requirement candidates must demonstrate their disadvantaged status by submitting (1) a written statement from former school(s) where he/she qualified for Federal disadvantaged assistance, (2) verification of receipt of loans from either the Health Professions Student Loans (HPSL) or Loans for Disadvantaged Student Program, or (3) verification of a scholarship from the U.S. Department of Health and Human Services under the Scholarship for Individuals with Exceptional Financial Need.

Contraception and Infertility Research LRP:

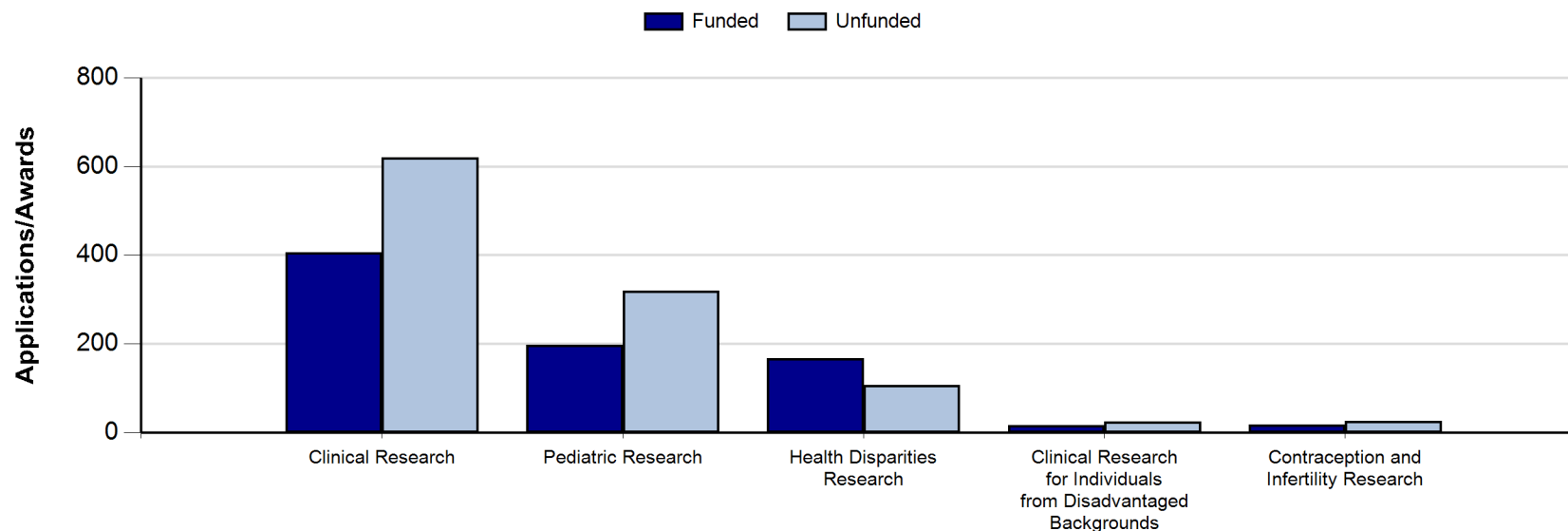
Contraception research is defined as research whose ultimate goal is to provide new or improved methods of preventing pregnancy. Infertility research is defined as research whose long-range objective is to evaluate, treat, or ameliorate conditions which result in the failure of couples to either conceive or bear young.

Funded and Unfunded Applications by Program (New + Renewal)



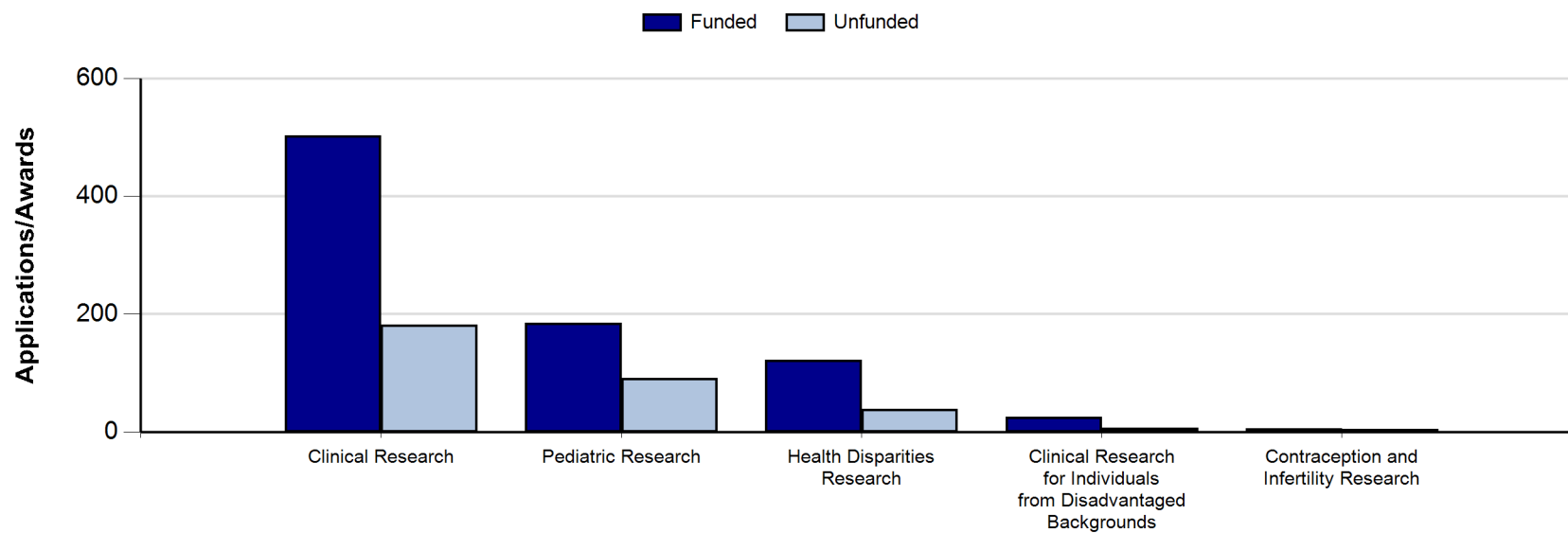
Applications, N	1,711		793		435		73		54	
Funded n, %	909	53	383	48	289	66	42	58	23	43
Unfunded n, %	802	47	410	52	146	34	31	42	31	57

Funded and Unfunded Applications by Program (New)



Applications, N	1,026		517		274		40		43	
Funded n, %	406	40	198	38	167	61	16	40	17	40
Unfunded n, %	620	60	319	62	107	39	24	60	26	60

Funded and Unfunded Applications by Program (Renewal)



Applications, N	685		276		161		33		11	
Funded, n, %	503	73	185	67	122	76	26	79	6	55
Unfunded, n, %	182	27	91	33	39	24	7	21	5	45

Applications, Awards, and Success Rates by Program

LRP	New + Renewal			New			Renewal		
	Applications	Awards	Success Rate	Applications	Awards	Success Rate	Applications	Awards	Success Rate
	N	n	%	N	n	%	N	n	%
Clinical Research	1,711	909	53	1,026	406	40	685	503	73
Pediatric Research	793	383	48	517	198	38	276	185	67
Health Disparities Research	435	289	66	274	167	61	161	122	76
Clinical Research for Individuals from Disadvantaged Backgrounds	73	42	58	40	16	40	33	26	79
Contraception and Infertility Research	54	23	43	43	17	40	11	6	55
Total	3,066	1,646	54	1,900	804	42	1,166	842	72

Funding by Program (New + Renewal)

LRP	Awards	Funding	Mean Award	Standard Deviation
Clinical Research	909	\$39,485,785	\$43,439	\$32,888
Pediatric Research	383	\$17,940,791	\$46,843	\$33,943
Health Disparities Research	289	\$13,347,986	\$46,187	\$32,301
Clinical Research for Individuals from Disadvantaged Backgrounds	42	\$1,982,389	\$47,200	\$33,084
Contraception and Infertility Research	23	\$1,021,176	\$44,399	\$35,558
Total	1,646	\$73,778,128	\$44,823	\$33,074

Funding by Program (New)

LRP	Awards	Funding	Mean Award	Standard Deviation
Clinical Research	406	\$24,433,742	\$60,182	\$33,111
Pediatric Research	198	\$11,941,746	\$60,312	\$33,048
Health Disparities Research	167	\$9,476,942	\$56,748	\$32,633
Clinical Research for Individuals from Disadvantaged Backgrounds	16	\$1,103,815	\$68,988	\$28,450
Contraception and Infertility Research	17	\$819,902	\$48,230	\$36,068
Total	804	\$47,776,147	\$59,423	\$32,993

Funding by Program (Renewal)

LRP	Awards	Funding	Mean Award	Standard Deviation
Clinical Research	503	\$15,052,043	\$29,925	\$25,734
Pediatric Research	185	\$5,999,046	\$32,427	\$28,607
Health Disparities Research	122	\$3,871,044	\$31,730	\$25,645
Clinical Research for Individuals from Disadvantaged Backgrounds	26	\$878,574	\$33,791	\$28,612
Contraception and Infertility Research	6	\$201,275	\$33,546	\$34,771
Total	842	\$26,001,981	\$30,881	\$26,495

Funding by NIH Institutes and Centers (New)

IC	Awards	Funding	Mean Award	Standard Deviation
NCMHD	183	\$10,580,757	\$57,818	\$32,404
NHLBI	84	\$5,525,263	\$65,777	\$32,408
NCI	83	\$5,490,290	\$66,148	\$33,104
NICHD	66	\$3,732,926	\$56,559	\$34,632
NIMH	63	\$3,164,997	\$50,238	\$29,719
NIAID	57	\$3,585,147	\$62,897	\$35,357
NIDA	41	\$2,059,910	\$50,242	\$30,556
NIDDK	36	\$2,674,182	\$74,283	\$27,095
NIA	31	\$1,673,947	\$53,998	\$30,276
NINDS	25	\$1,701,630	\$68,065	\$29,592
NCRR	22	\$1,397,297	\$63,513	\$34,023
NIAAA	22	\$1,074,061	\$48,821	\$38,037
NIDCD	21	\$859,801	\$40,943	\$29,959
NIAMS	19	\$1,115,914	\$58,732	\$33,777
NEI	15	\$1,020,323	\$68,022	\$33,670
NIDCR	9	\$592,903	\$65,878	\$40,521
NIEHS	7	\$358,368	\$51,195	\$23,617
NIGMS	6	\$505,970	\$84,328	\$29,759
NLM	4	\$180,379	\$45,095	\$35,710
NCCAM	3	\$254,400	\$84,800	\$23,394
NIBIB	3	\$154,295	\$51,432	\$30,929
NINR	3	\$26,128	\$8,709	\$695
NHGRI	1	\$47,260	\$0	\$0
FIC	0	\$0	\$0	\$0
Total	804	\$47,776,147	\$59,423	\$32,993

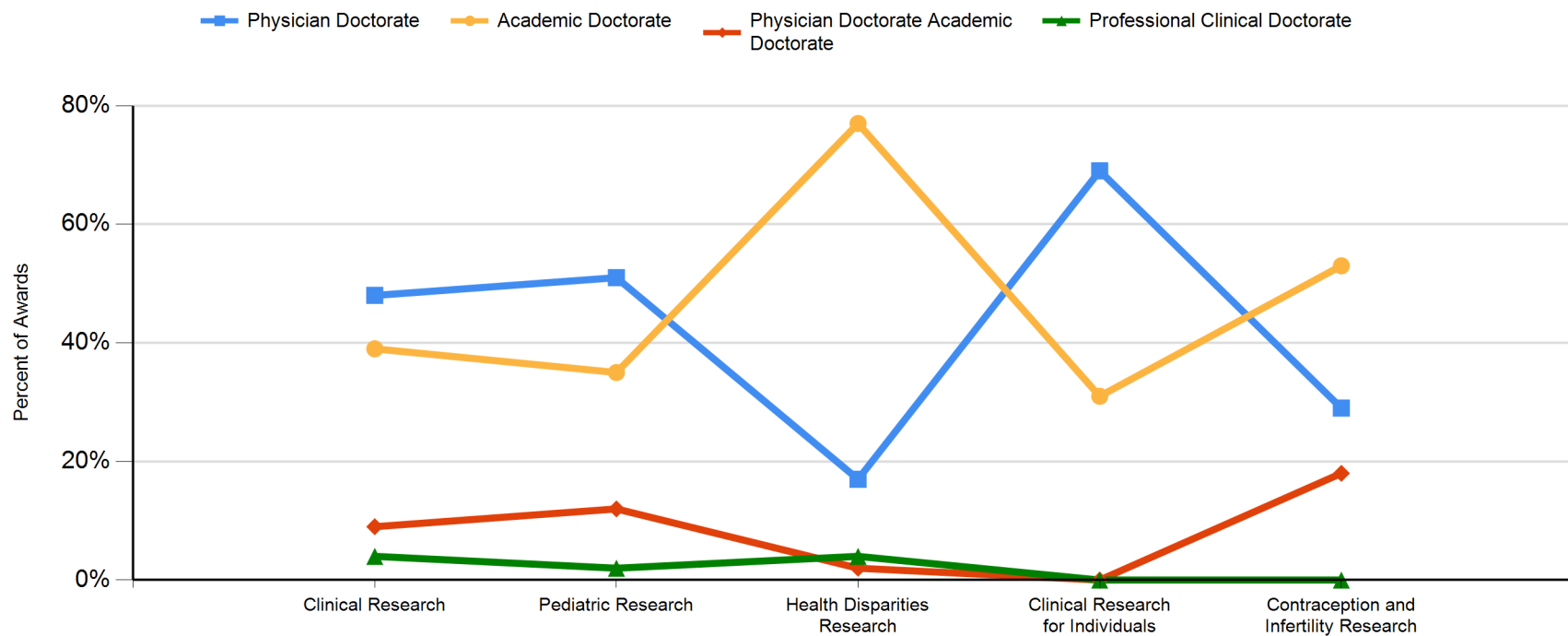
Funding by NIH Institutes and Centers (Renewal)

IC	Awards	Funding	Mean Award	Standard Deviation
NCMHD	148	\$4,749,618	\$32,092	\$26,100
NHLBI	113	\$4,178,921	\$36,982	\$28,317
NIAID	85	\$2,041,529	\$24,018	\$17,602
NIDA	72	\$1,474,470	\$20,479	\$15,642
NIMH	70	\$1,784,790	\$25,497	\$23,638
NCI	66	\$2,544,683	\$38,556	\$30,502
NICHD	53	\$1,579,174	\$29,796	\$28,623
NIAAA	34	\$499,746	\$14,698	\$11,926
NCRR	30	\$1,449,195	\$48,306	\$37,503
NIA	29	\$845,064	\$29,140	\$28,161
NIDDK	28	\$1,268,543	\$45,305	\$32,183
NINDS	23	\$893,767	\$38,859	\$28,018
NIAMS	23	\$665,489	\$28,934	\$25,459
NEI	16	\$546,603	\$34,163	\$31,376
NIDCD	14	\$251,189	\$17,942	\$10,348
NCCAM	10	\$314,364	\$31,436	\$28,789
NIEHS	8	\$94,069	\$11,759	\$5,544
NIDCR	6	\$248,754	\$41,459	\$20,793
NIGMS	5	\$211,197	\$42,239	\$13,143
NHGRI	5	\$199,539	\$39,908	\$24,126
NINR	2	\$22,598	\$11,299	\$1,642
FIC	1	\$87,111	\$0	\$0
NLM	1	\$51,569	\$0	\$0
NIBIB	0	\$0	\$0	\$0
Total	842	\$26,001,981	\$30,881	\$26,495

Applications, Awards, and Success Rates by Post-Degree Years (New)

Years Since Degree	Applications N	Awards n	Success rate %
<1 Year	25	10	40
1 to 5 Years	1,203	488	41
6 to 10 Years	567	256	45
11 to 15 Years	85	46	54
15+ Years	20	4	20
Total	1,900	804	42

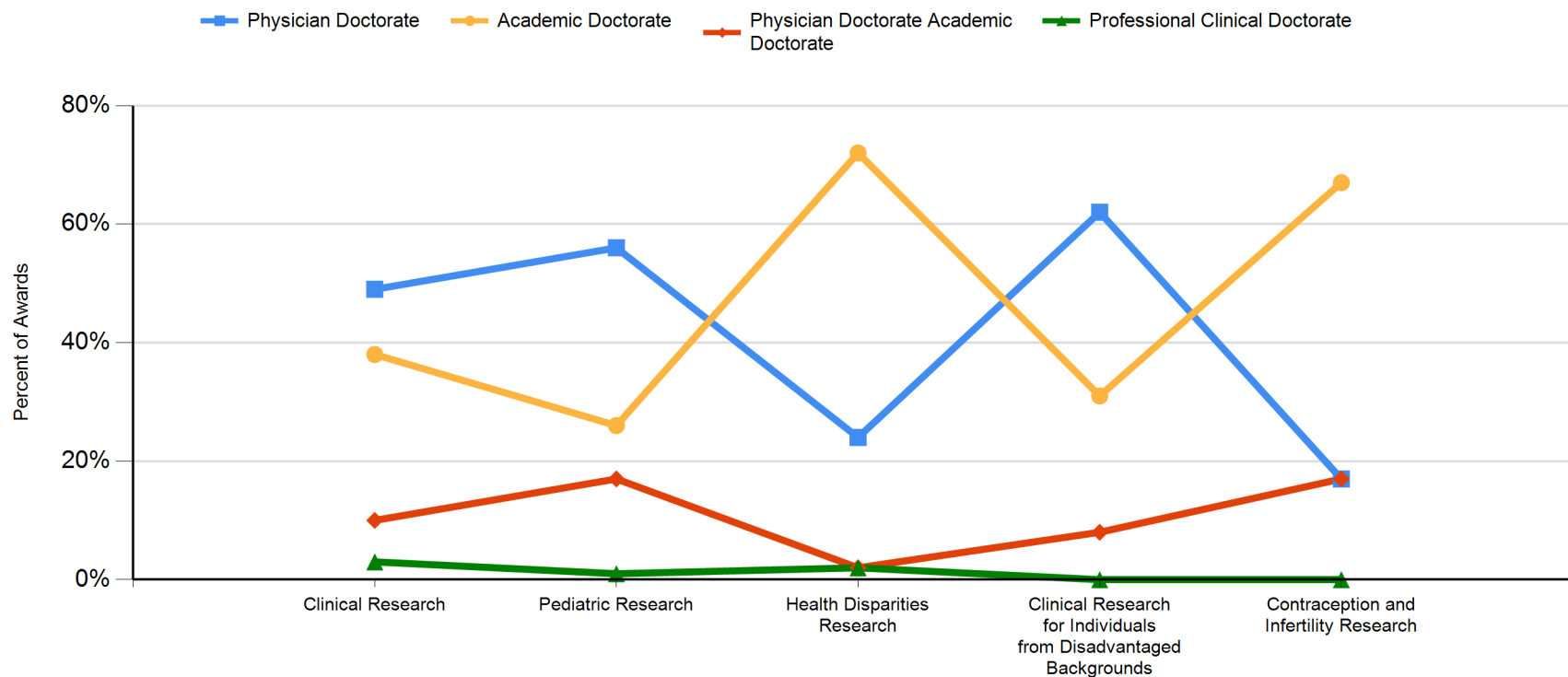
LRP Awards by Doctoral Degree (New)



	Clinical Research		Pediatric Research		Health Disparities Research		Clinical Research for Individuals from Disadvantaged Backgrounds		Contraception and Infertility Research	
	n	%	n	%	n	%	n	%	n	%
Physician Doctorate	193	48	101	51	28	17	11	69	5	29
Academic Doctorate	159	39	69	35	129	77	5	31	9	53
Physician Doctorate/Academic Doctorate	38	9	24	12	4	2	0	0	3	18
Professional Clinical Doctorate	16	4	4	2	6	4	0	0	0	0

Note: Percentages do not total to 100% due to rounding error.

LRP Awards by Doctoral Degree (Renewal)



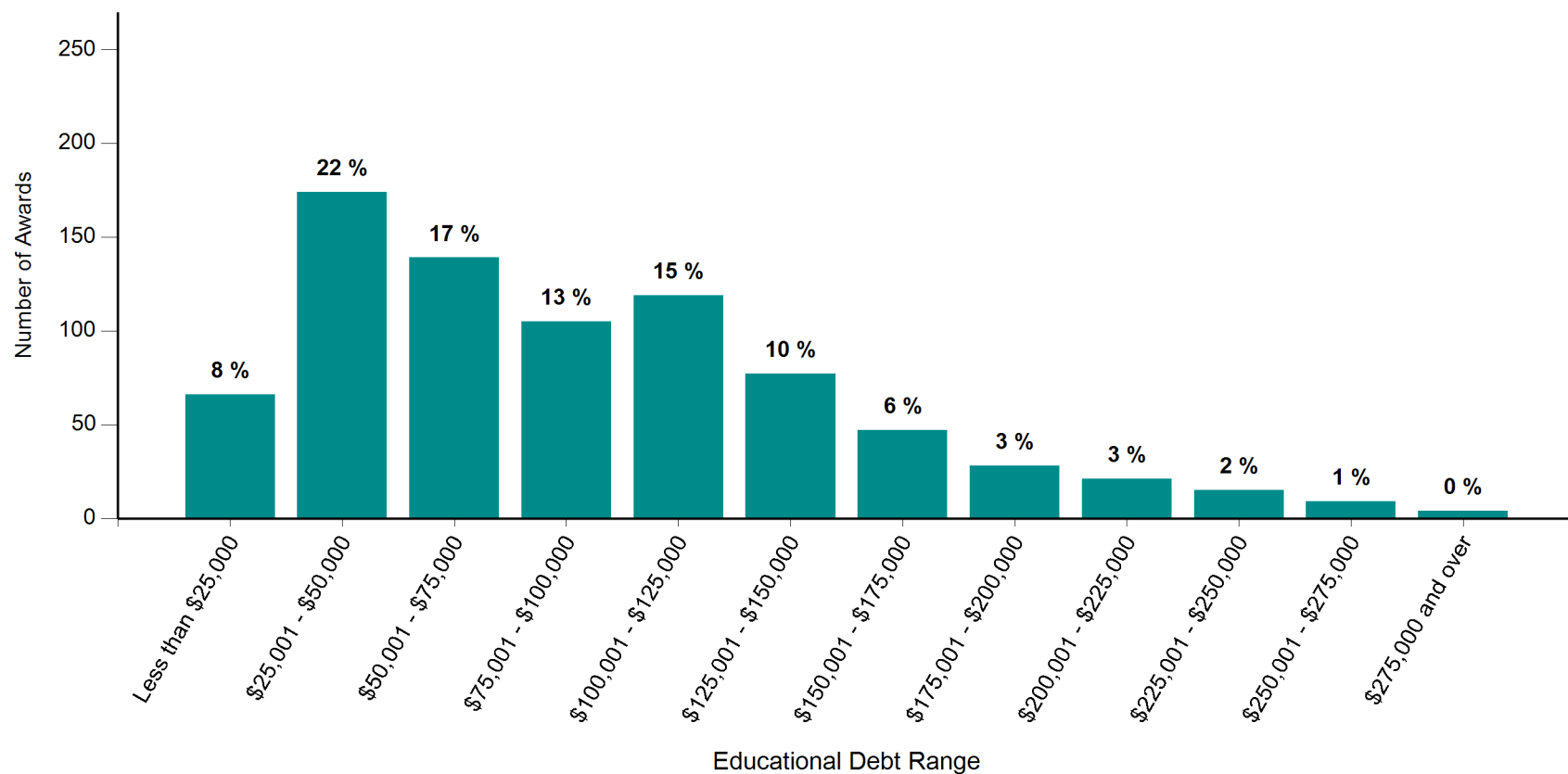
	n	%	n	%	n	%	n	%	n	%
Physician Doctorate	246	49	104	56	29	24	16	62	1	17
Academic Doctorate	192	38	48	26	88	72	8	31	4	67
Physician Doctorate/Academic Doctorate	49	10	31	17	3	2	2	8	1	17
Professional Clinical Doctorate	16	3	2	1	2	2	0	0	0	0

Note: Percentages do not total to 100% due to rounding error.

Applications, Awards, and Success Rates by Source of Research Funding (New + Renewal)

Source of Research Funding	Applications N	Awards n	Success Rate %
NIH Only	1,023	600	59
NIH and Non Profit	1,210	725	60
Non Profit Only	833	321	39
Total	3,066	1,646	54

Educational Debt Levels of LRP Awardees (New)



Number of Prior LRP Awards Received by LRP Participants (Renewal)

LRP	1 Prior Award	2 Prior Awards	3 Prior Awards	4 Prior Awards	5 Prior Awards	6 Prior Awards	Total
Clinical Research	360	129	0	0	0	0	489
Pediatric Research	140	40	0	0	0	0	180
Health Disparities Research	106	16	0	0	0	0	122
Clinical Research for Individuals from Disadvantaged Backgrounds	16	6	1	0	0	0	23
Contraception and Infertility Research	6	0	0	0	0	0	6
Total	628	191	1	0	0	0	820

Applications, Awards, and Success Rates by Gender (New + Renewal)

LRP	Male Applicants			Female Applicants			Gender Distribution	
	Applications	Awards	Success Rate	Applications	Awards	Success Rate	Male Awards	Female Awards
	N	n	%	N	n	%	%	%
Clinical Research	894	503	56	817	406	50	55	45
Pediatric Research	349	164	47	444	219	49	43	57
Health Disparities Research	132	85	64	303	204	67	29	71
Clinical Research for Individuals from Disadvantaged Backgrounds	28	15	54	45	27	60	36	64
Contraception and Infertility Research	24	10	42	30	13	43	43	57
Total	1,427	777	54	1,639	869	53	47	53

Awardee Demographics by Ethnicity (New + Renewal)

LRP	Awards	Hispanic or Latino		Not Hispanic or Latino	
	N	n	%	n	%
Clinical Research	909	33	4	876	96
Pediatric Research	383	21	5	362	95
Health Disparities Research	289	41	14	248	86
Clinical Research for Individuals from Disadvantaged Backgrounds	42	13	31	29	69
Contraception and Infertility Research	23	*	*	22	96
Total	1,646	109	7	1,537	93

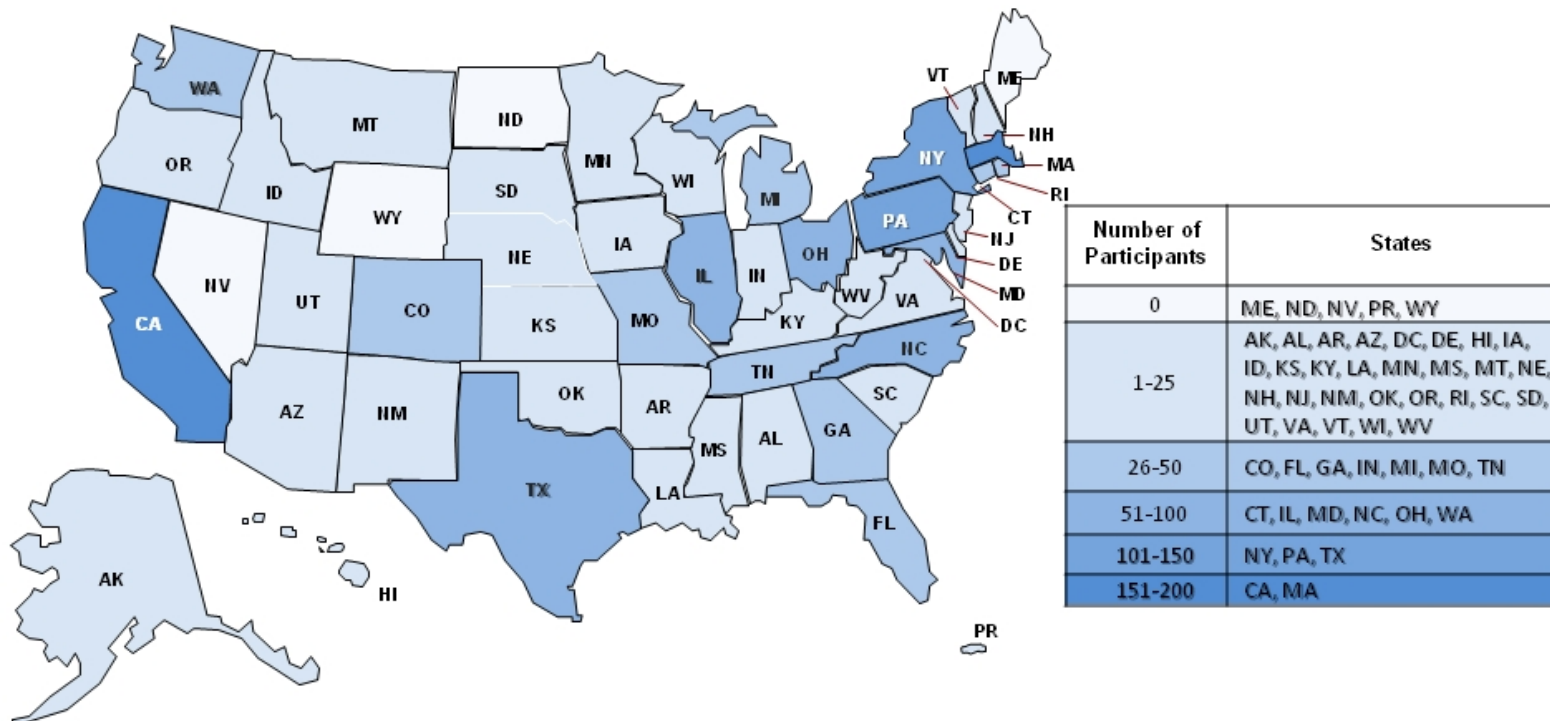
*Restricted Data – small-sized groups cannot be reported due to participant confidentiality considerations.

Awardee Demographics by Race (New + Renewal)

LRP	Awards	American Indian or Alaska Native		Black or African American		Asian		Native Hawaiian or Other Pacific Islander		White		More Than One Race		Other No Response	
		N	n	%	n	%	n	%	n	%	n	%	n	%	n
Clinical Research	909	*	*	25	3	92	10	*	*	657	72	10	1	123	14
Pediatric Research	383	*	*	13	3	43	11	*	*	278	73	*	*	45	12
Health Disparities Research	289	*	*	109	38	23	8	*	*	87	30	10	3	56	19
Clinical Research for Individuals from Disadvantaged Backgrounds	42	*	*	13	31	*	*	*	*	11	26	*	*	14	33
Contraception and Infertility Research	23	*	*	*	*	*	*	*	*	13	57	*	*	*	*
Total	1,646	*	*	162	10	164	10	*	*	1,046	64	24	1	242	15

*Restricted Data – small-sized groups cannot be reported due to participant confidentiality considerations.

Number of Awardees by State (New + Renewal)



**Division of Loan Repayment
Office of Extramural Programs
Office of Extramural Research
Office of the Director
National Institutes of Health
Department of Health and Human Services**

**Web site:
Loan Repayment Programs (LRP)
<http://www.lrp.nih.gov>**