



FY 2011 DATA BOOK

Extramural Loan Repayment Programs

NIH Division of Loan Repayment

Revised: March 1, 2014

[Fiscal Year 2011 Highlights](#)

Fiscal Year period covers
October 1, 2010 to September 30, 2011

[Application Cycle:](#)

September 1 - November 15, 2011

Table of Contents

NIH Institutes and Centers	3
The Year in Review	4
The Five Extramural Loan Repayment Programs	5
Funded and Unfunded Applications by Program	6
Applications, Awards, and Success Rates by Program	9
Funding by Program	10
Funding by NIH Institutes and Centers	13
Applications, Awards, and Success Rates by Post-Degree Years	15
LRP Awards by Doctoral Degree	16
Applications, Awards, and Success Rates by Source of Research Funding	18
Educational Debt Levels of LRP Awardees	19
Number of Prior Awards Received	20
Applications, Awards, and Success Rates by Gender	21
Awardee Demographics - Ethnicity	22
Awardee Demographics - Race	23
Number of Awardees by State	24

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 on Minority Health and Health Disparities (NIMHD)
National Institute of Neurological Disorders and Stroke (NINDS)
National Institute of Nursing Research (NINR)

Centers

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) 2011, 3,159 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, 1,572 were awarded contracts totaling \$72,402,447. The combined (new and renewal applicants) success rate for the Extramural LRPs was 50 percent.

The Extramural Clinical Research LRP received 51 percent (1,604) of all applications.

New applicants (those not previously funded) constituted 61 percent of all applications while renewal applicants (those previously funded) comprised 39 percent of all applicants. Success rates for new and renewal applicants were 39 and 67 percent, respectively.

The LRPs are open to health professionals with doctoral level degrees or advanced certifications and varying levels of experience. Most new FY 2011 awardees are beginning their careers, with 62 percent having received their qualifying degrees within the last 5 years and 94 percent within the past 10 years.

Physician doctorates (including dual physician doctorates and academic doctorates, for example, MD/PhD degrees) comprised 51 percent of the 1,572 awards, while those with academic doctoral level degrees comprised 47 percent of the total awards.

Seventy-five percent of the new awardees had educational debt greater than \$50,000, with 10 percent having debt levels greater than \$200,000. Women received 853 of the 1,572 LRP awards. Black/African American applicants received 118 awards. Asians received 171 awards. Hispanics received 86 awards. American Indians/Alaska Natives were recipients of 9 awards.

The Division of Loan Repayment offers multiple resources for assisting applicants. This includes two webinars that have been watched over 7,000 times. An *Overview of the Loan Repayment Programs* summarizes the programs and gives tips for applying, and the Application Tutorial outlines the four sections of the application and shows applicants how to avoid common pitfalls. The LRP web site www.lrp.nih.gov contains links for both webinars.

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:

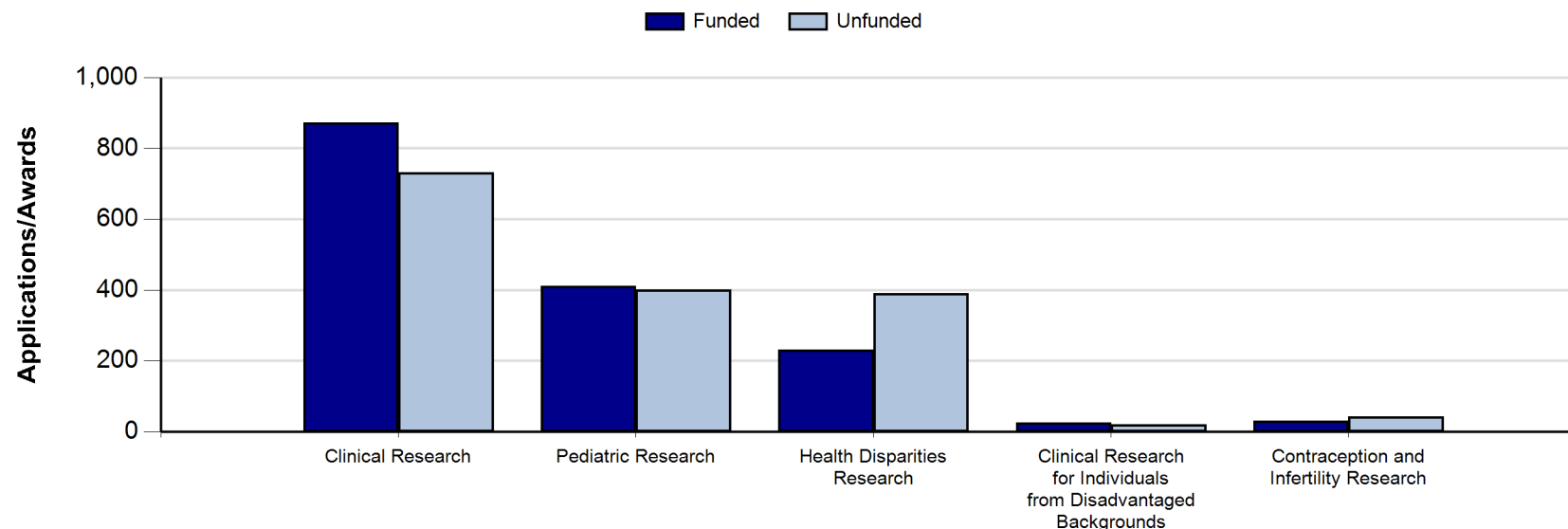
For this program, an individual from a disadvantaged background is defined according to low family income levels set by the U.S. Bureau of the Census – as published in the Federal Register.

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:

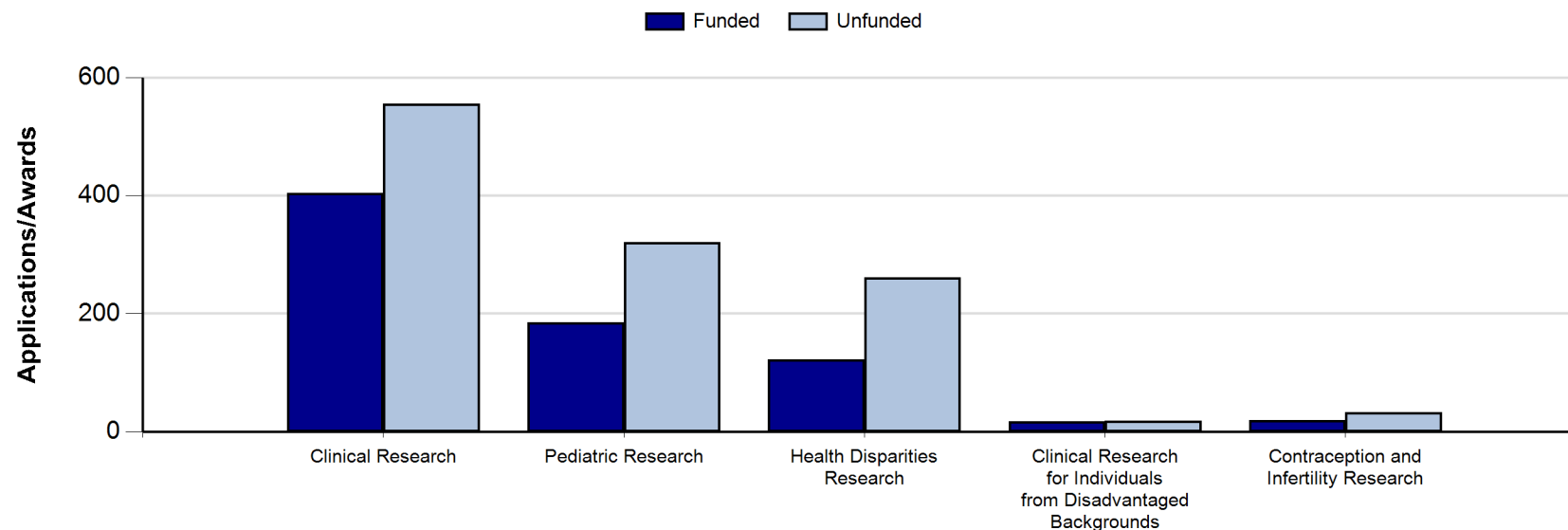
Contraception research is defined as research whose ultimate goal is to provide new or improved methods of preventing pregnancy. Infertility research is defined as research whose long-range objective is to evaluate, treat, or ameliorate conditions which result in the failure of couples to either conceive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

Funded and Unfunded Applications by Program (New + Renewal)



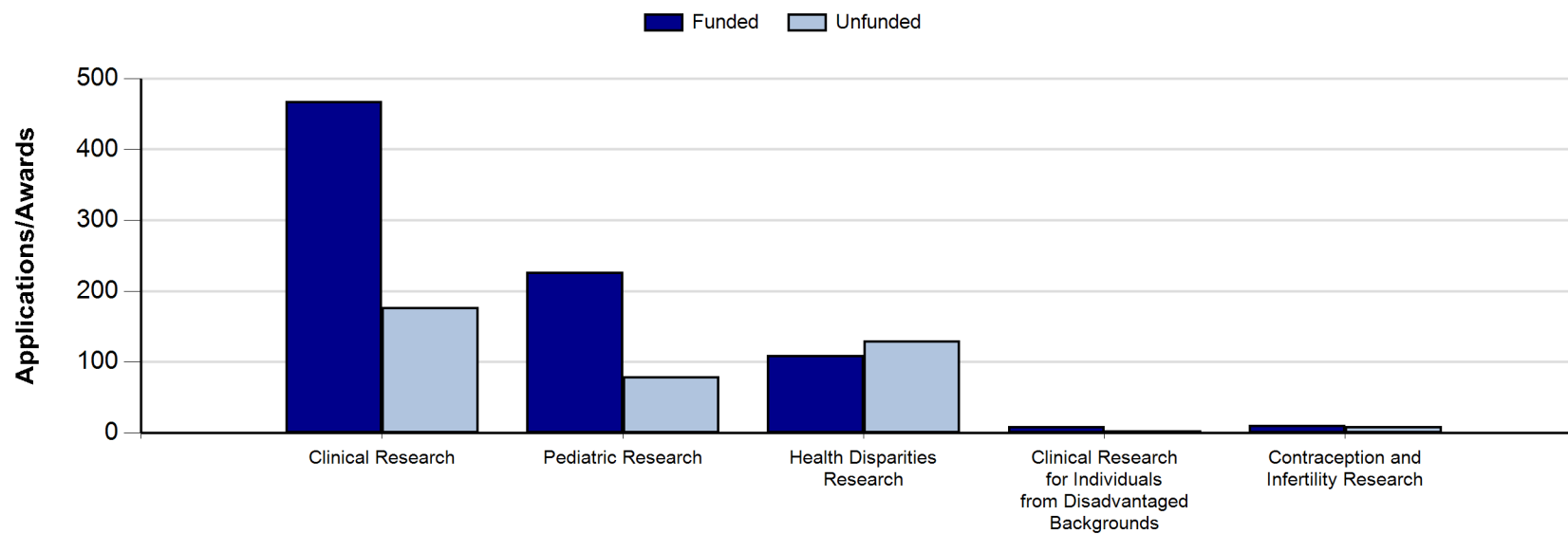
Applications, N	1,604		813		623		47		72	
Funded n, %	872	54	412	51	232	37	26	55	30	42
Unfunded n, %	732	46	401	49	391	63	21	45	42	58

Funded and Unfunded Applications by Program (New)



Applications, N	959		506		383		35		52	
Funded n, %	404	42	185	37	122	32	17	49	19	37
Unfunded n, %	555	58	321	63	261	68	18	51	33	63

Funded and Unfunded Applications by Program (Renewal)



Applications, N	645		307		240		12		20	
Funded, n, %	468	73	227	74	110	46	9	75	11	55
Unfunded, n, %	177	27	80	26	130	54	3	25	9	45

Applications, Awards, and Success Rates by Program

	New + Renewal			New			Renewal		
LRP	Applications	Awards	Success Rate %	Applications	Awards	Success Rate %	Applications	Awards	Success Rate %
	N	n	%	N	n	%	N	n	%
Clinical Research	1,604	872	54	959	404	42	645	468	73
Pediatric Research	813	412	51	506	185	37	307	227	74
Health Disparities Research	623	232	37	383	122	32	240	110	46
Clinical Research for Individuals from Disadvantaged Backgrounds	47	26	55	35	17	49	12	9	75
Contraception and Infertility Research	72	30	42	52	19	37	20	11	55
Total	3,159	1,572	50	1,935	747	39	1,224	825	67

Funding by Program (New + Renewal)

LRP	Awards	Funding	Mean Award	Standard Deviation
Clinical Research	872	\$40,453,513	\$46,392	\$30,411
Pediatric Research	412	\$18,366,597	\$44,579	\$30,900
Health Disparities Research	232	\$10,453,874	\$45,060	\$29,401
Clinical Research for Individuals from Disadvantaged Backgrounds	26	\$1,750,481	\$67,326	\$33,253
Contraception and Infertility Research	30	\$1,325,779	\$44,193	\$30,482
Total	1,572	\$72,350,244	\$46,024	\$30,541

Funding by Program (New)

LRP	Awards	Funding	Mean Award	Standard Deviation
Clinical Research	404	\$25,278,584	\$62,571	\$30,094
Pediatric Research	185	\$11,338,986	\$61,292	\$29,876
Health Disparities Research	122	\$6,763,239	\$55,436	\$29,651
Clinical Research for Individuals from Disadvantaged Backgrounds	17	\$1,310,158	\$77,068	\$25,296
Contraception and Infertility Research	19	\$1,106,873	\$58,256	\$28,419
Total	747	\$45,797,839	\$61,309	\$29,960

Funding by Program (Renewal)

LRP	Awards	Funding	Mean Award	Standard Deviation
Clinical Research	468	\$15,174,929	\$32,425	\$22,835
Pediatric Research	227	\$7,027,612	\$30,959	\$24,387
Health Disparities Research	110	\$3,690,634	\$33,551	\$24,532
Clinical Research for Individuals from Disadvantaged Backgrounds	9	\$440,324	\$48,925	\$39,914
Contraception and Infertility Research	11	\$218,906	\$19,901	\$14,690
Total	825	\$26,552,405	\$32,185	\$23,709

Funding by NIH Institutes and Centers (New)

IC	Awards	Funding	Mean Award	Standard Deviation
NCMHD	139	\$8,073,397	\$58,082	\$29,928
NCI	100	\$6,648,549	\$66,485	\$29,068
NHLBI	88	\$5,927,004	\$67,352	\$30,453
NICHD	60	\$3,573,605	\$59,560	\$27,964
NIAID	51	\$3,041,676	\$59,641	\$30,373
NIMH	50	\$2,677,180	\$53,544	\$28,114
NCRR	42	\$1,969,636	\$46,896	\$30,142
NIDDK	40	\$2,899,530	\$72,488	\$28,842
NIDA	34	\$2,071,962	\$60,940	\$30,539
NIA	29	\$1,660,085	\$57,244	\$33,434
NINDS	28	\$2,270,888	\$81,103	\$22,885
NIAMS	17	\$992,710	\$58,395	\$31,186
NIAAA	14	\$690,207	\$49,301	\$27,357
NEI	13	\$785,628	\$60,433	\$24,326
NIEHS	9	\$377,952	\$41,995	\$19,215
NIGMS	7	\$586,136	\$83,734	\$26,188
NIDCR	7	\$521,784	\$74,541	\$28,061
NIDCD	7	\$472,079	\$67,440	\$27,914
NCCAM	5	\$239,587	\$47,917	\$29,224
NHGRI	4	\$144,148	\$36,037	\$24,474
NIBIB	2	\$137,901	\$68,950	\$10,370
NINR	1	\$36,193	\$0	\$0
Total	747	\$45,797,839	\$61,309	\$29,960

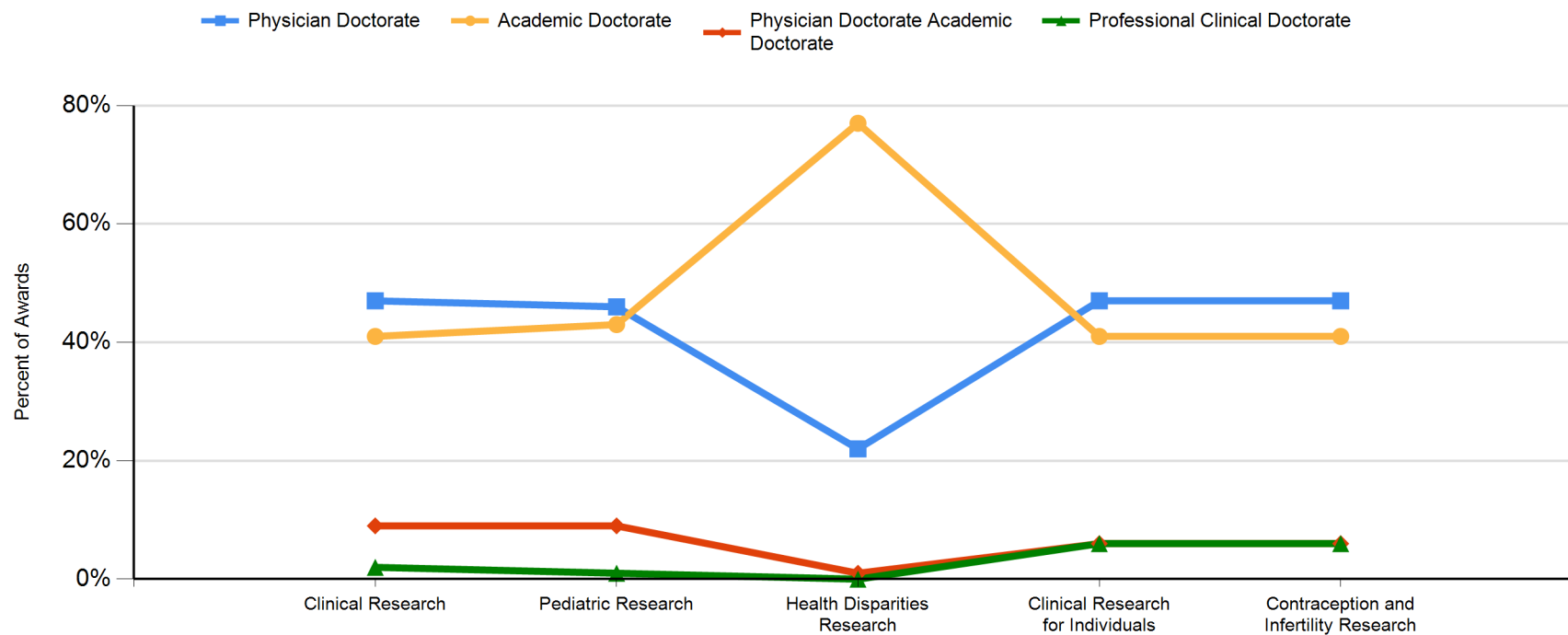
Funding by NIH Institutes and Centers (Renewal)

IC	Awards	Funding	Mean Award	Standard Deviation
NCMHD	119	\$4,130,958	\$34,714	\$26,088
NCI	102	\$3,574,231	\$35,041	\$22,016
NHLBI	85	\$3,824,754	\$44,997	\$29,834
NICHD	79	\$1,966,689	\$24,895	\$15,168
NIMH	79	\$1,950,759	\$24,693	\$19,885
NIAID	70	\$2,602,922	\$37,185	\$26,264
NIDA	62	\$1,437,566	\$23,187	\$14,778
NINDS	34	\$1,225,475	\$36,043	\$22,824
NIDDK	33	\$1,106,859	\$33,541	\$18,257
NCRR	28	\$830,790	\$29,671	\$27,755
NIAAA	26	\$821,011	\$31,577	\$24,372
NIA	26	\$581,637	\$22,371	\$16,314
NIAMS	20	\$838,561	\$41,928	\$28,218
NEI	19	\$761,426	\$40,075	\$27,635
NIEHS	11	\$199,349	\$18,123	\$13,742
NIDCD	11	\$169,729	\$15,430	\$13,119
NCCAM	7	\$149,865	\$21,409	\$15,769
NIDCR	6	\$138,465	\$23,077	\$12,364
NIGMS	4	\$116,857	\$29,214	\$14,581
NHGRI	3	\$92,950	\$30,983	\$1,504
NIBIB	1	\$31,550	\$0	\$0
NINR	0	\$0	\$0	\$0
Total	825	\$26,552,405	\$32,185	\$23,709

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

Years Since Degree	Applications N	Awards n	Success rate %
<1 Year	14	3	21
1 to 5 Years	1,189	445	37
6 to 10 Years	608	253	42
11 to 15 Years	102	40	39
15+ Years	22	6	27
Total	1,935	747	39

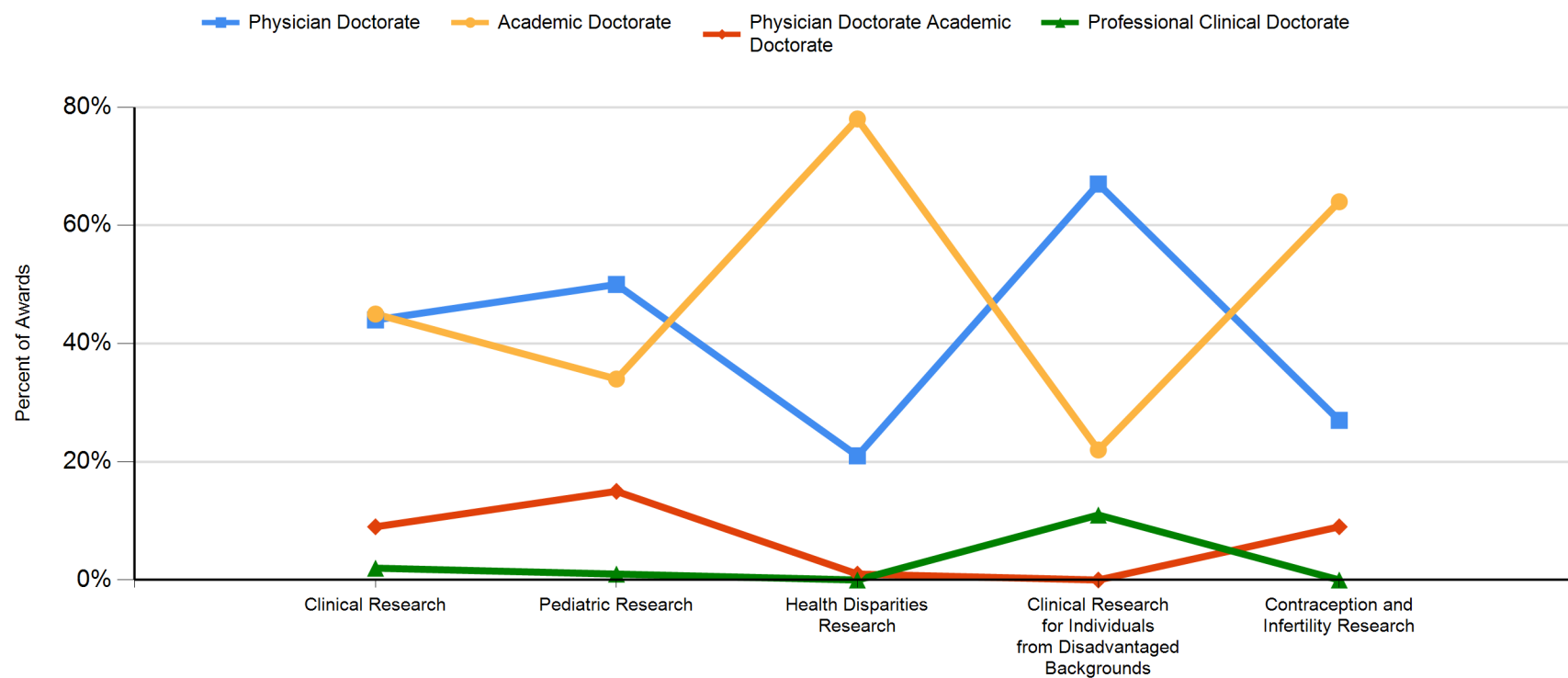
LRP Awards by Doctoral Degree (New)



	n	%	n	%	n	%	n	%	n	%
Physician Doctorate	190	47	86	46	27	22	8	47	8	47
Academic Doctorate	166	41	80	43	94	77	7	41	7	41
Physician Doctorate/Academic Doctorate	38	9	17	9	1	1	1	6	1	6
Professional Clinical Doctorate	10	2	2	1	0	0	1	6	1	6

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

LRP Awards by Doctoral Degree (Renew)

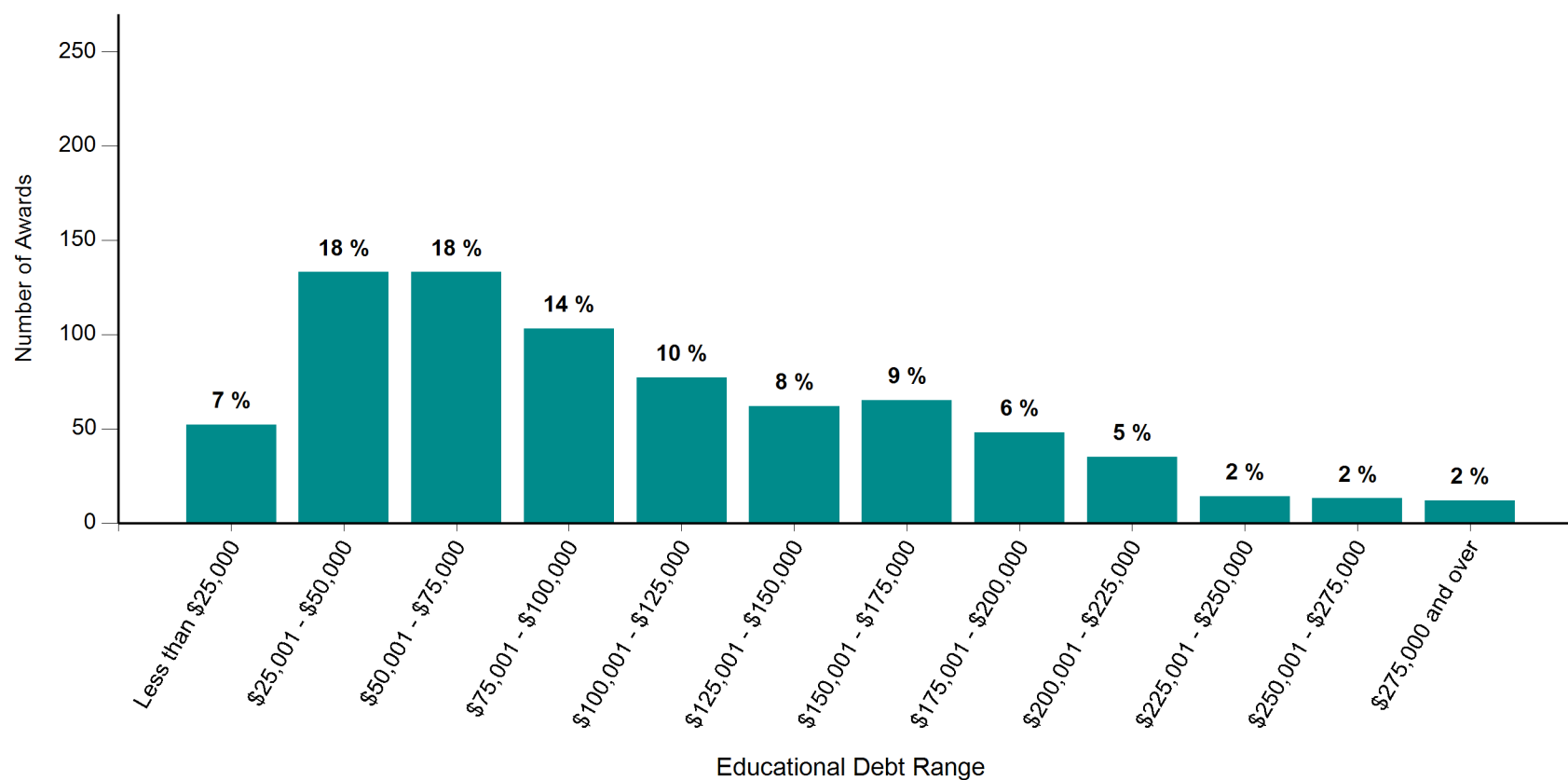


	n	%	n	%	n	%	n	%	n	%
Physician Doctorate	208	44	114	50	23	21	6	67	3	27
Academic Doctorate	211	45	78	34	86	78	2	22	7	64
Physician Doctorate/Academic Doctorate	40	9	33	15	1	1	0	0	1	9
Professional Clinical Doctorate	9	2	2	1	0	0	1	11	0	0

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

Source of Research Funding	Applications N	Awards n	Success Rate %
NIH Only	1,065	530	50
NIH and Non Profit	1,215	717	59
Non Profit Only	879	325	37
Total	3,159	1,572	50

Educational Debt Levels of LRP Awardees (New Awards)



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

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	259	144	45	16	4	0	468
Pediatric Research	106	73	29	17	2	0	227
Health Disparities Research	70	32	4	4	0	0	110
Clinical Research for Individuals from Disadvantaged Backgrounds	5	0	2	2	0	0	9
Contraception and Infertility Research	7	2	2	0	0	0	11
Total	447	251	82	39	6	0	825

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	792	452	57	812	420	52	52	48
Pediatric Research	347	191	55	466	221	47	46	54
Health Disparities Research	162	58	36	461	174	38	25	75
Clinical Research for Individuals from Disadvantaged Backgrounds	13	9	69	34	17	50	35	65
Contraception and Infertility Research	21	9	43	51	21	41	30	70
Total	1,335	719	54	1,824	853	47	46	54

Awardee Demographics by Ethnicity (New + Renewal)

LRP	Awards	Hispanic or Latino		Not Hispanic or Latino	
	N	n	%	n	%
Clinical Research	872	36	4	836	96
Pediatric Research	412	15	4	397	96
Health Disparities Research	232	30	13	202	87
Clinical Research for Individuals from Disadvantaged Backgrounds	26	*	*	22	85
Contraception and Infertility Research	30	*	*	29	97
Total	1,572	86	5	1,486	95

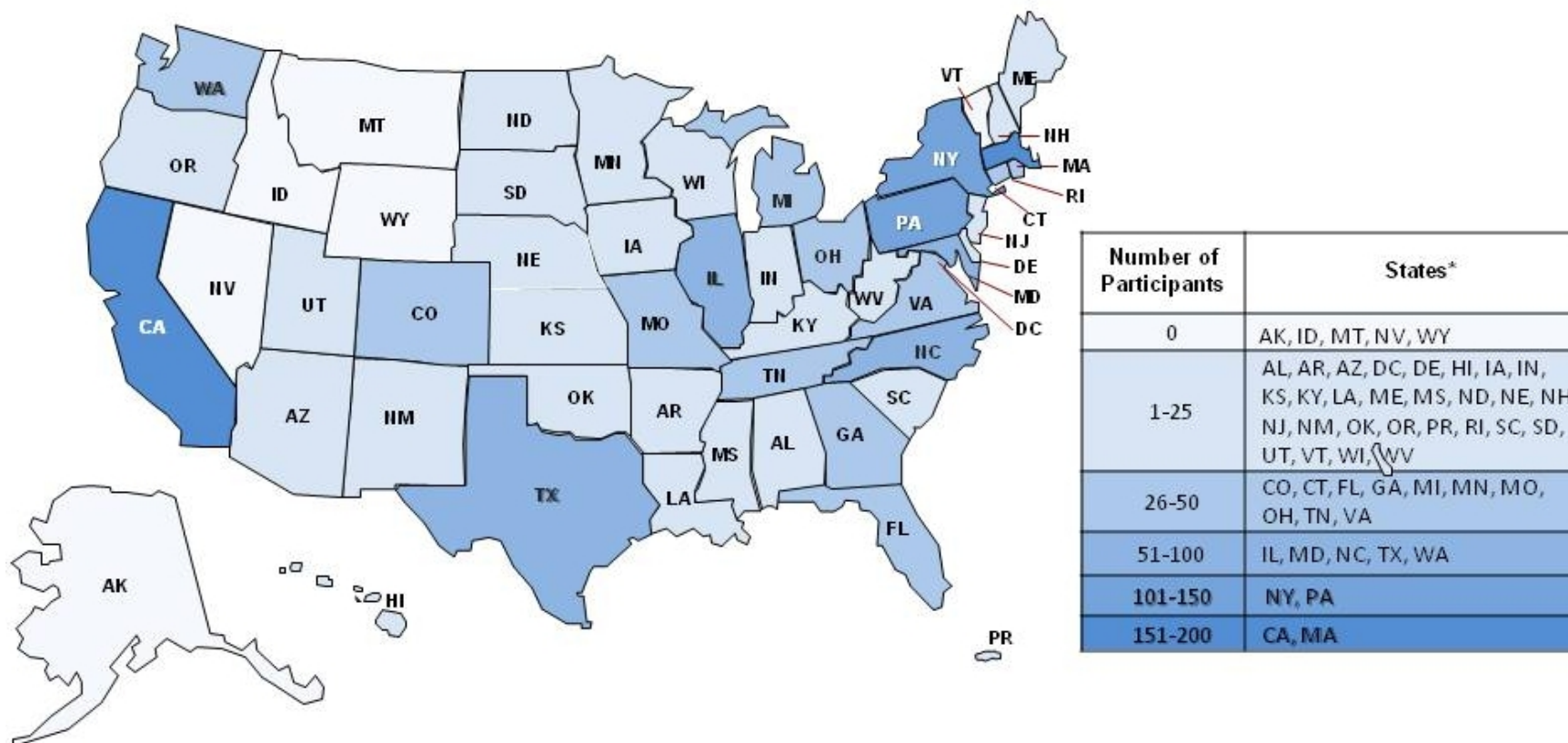
*Restricted Data – small-sized groups cannot be reported due to participant confidentiality considerations.

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	%
Clinical Research	872	*	*	27	3	90	10	*	*	653	75	25	3	74	8
Pediatric Research	412	*	*	15	4	50	12	*	*	299	73	8	2	37	9
Health Disparities Research	232	*	*	68	29	28	12	*	*	88	38	20	9	23	10
Clinical Research for Individuals from Disadvantaged Backgrounds	26	*	*	8	31	*	*	*	*	7	27	*	*	*	*
Contraception and Infertility Research	30	*	*	*	*	*	*	*	*	22	73	*	*	*	*
Total	1,572	9	1	118	8	171	11	*	*	1,069	68	59	4	144	9

*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>**