



FY 2010 DATA BOOK

Extramural Loan Repayment Programs

NIH Division of Loan Repayment

Revised: March 1, 2014

Fiscal Year 2010 Highlights

Fiscal Year period covers
October 1, 2009 to September 30, 2010

Application Cycle:

September 1 - November 15, 2009

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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)
National Library of Medicine (NLM)

Centers

John E. Fogarty International Center (FIC)
National Center for Complementary and Alternative Medicine (NCCAM)
National Center on Minority Health and Health Disparities (NCMHD)
National Center for Research Resources (NCRR)

* Participating in the Extramural Loan Repayment Programs

The Year in Review

In Fiscal Year (FY) 2010, 3,217 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, 1,584 were awarded contracts totaling \$73,577,093.95. The combined (new and renewal applicants) success rate for the Extramural LRPs was 47 percent.

The Extramural Clinical Research LRP received 55 percent (1,771) of all applications.

New applicants (those not previously funded) constituted 63 percent of all applications while renewal applicants (those previously funded) comprised 37 percent of all applicants. Success rates for new and renewal applicants were 36 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 2010 awardees are beginning their careers, with 58 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 52 percent of the 1,604 awards, while those with academic doctoral level degrees comprised 45 percent of the total awards.

Seventy-four percent of the new awardees had educational debt greater than \$50,000, with 10 percent having debt levels greater than \$200,000. In comparison, 36 percent of the renewal awardees had educational debt greater than \$50,000, with 1 percent having debt levels greater than \$200,000.

Women received 857 of the 1,604 LRP awards. Black/African American applicants received 143 awards, Asians received 149 awards, Hispanics received 90 awards, and American Indians/Alaska Natives were recipients of 9 awards.

The Five Extramural Loan Repayment Programs

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:

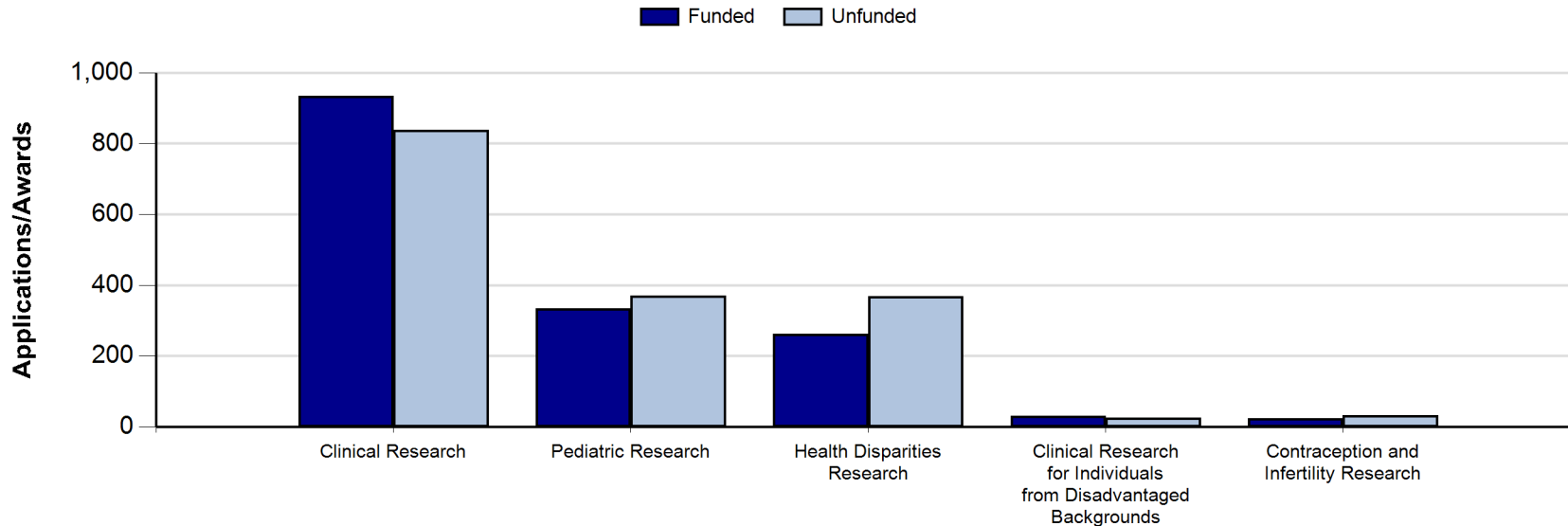
For this program, an individual from a disadvantaged background is defined according to low family income levels set by the U.S. Bureau of the Census – as published in the Federal Register.

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:

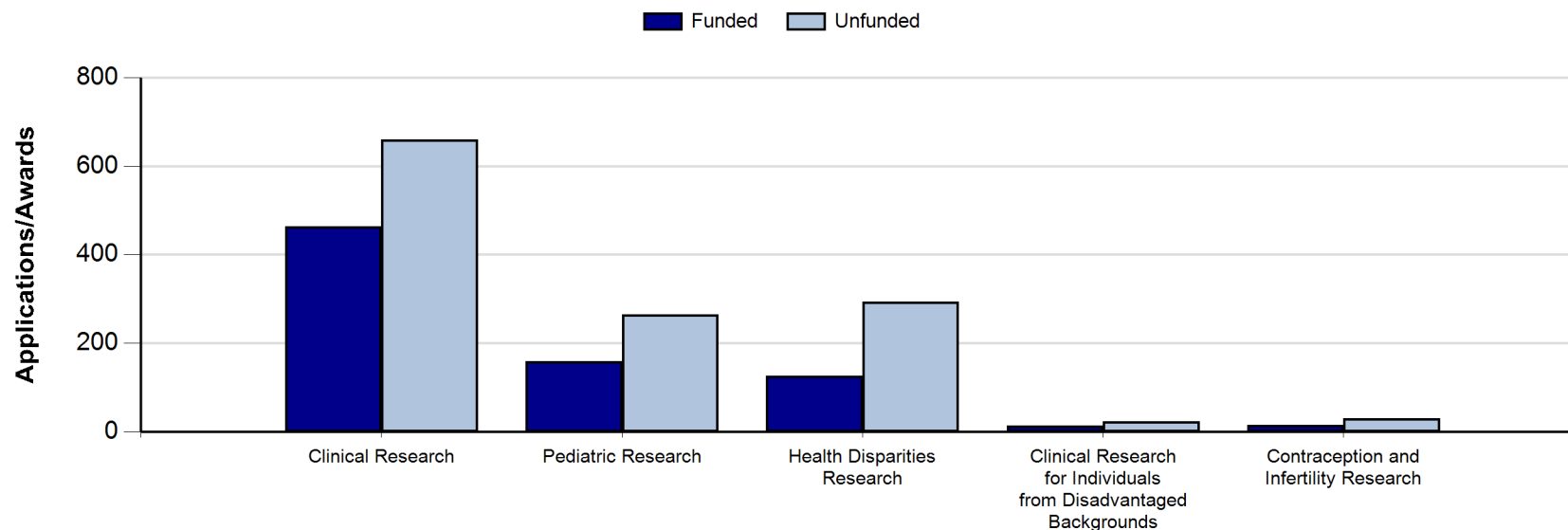
Contraception research is defined as research whose ultimate goal is to provide new or improved methods of preventing pregnancy. Infertility research is defined as research whose long-range objective is to evaluate, treat, or ameliorate conditions which result in the failure of couples to either conceive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

Funded and Unfunded Applications by Program (New + Renewal)



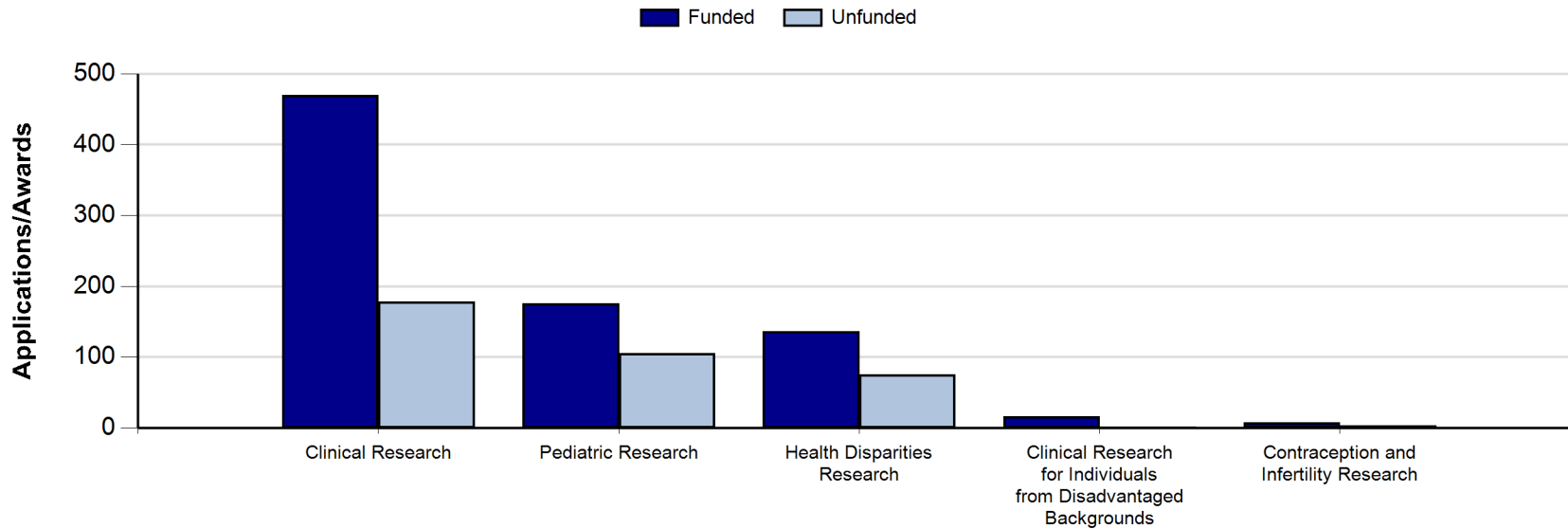
Applications, N	1,772		705		630		55		56	
Funded n, %	934	53	335	48	262	42	30	55	23	41
Unfunded n, %	838	47	370	52	368	58	25	45	33	59

Funded and Unfunded Applications by Program (New)



Applications, N	1,124		424		419		37		45	
Funded n, %	464	41	159	38	126	30	14	38	15	33
Unfunded n, %	660	59	265	63	293	70	23	62	30	67

Funded and Unfunded Applications by Program (Renewal)



Applications, N	648		281		211		18		11	
Funded, n, %	470	73	176	63	136	64	16	89	8	73
Unfunded, n, %	178	27	105	37	75	36	2	11	3	27

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	1,772	934	53	1,124	464	41	648	470	73
Pediatric Research	705	335	48	424	159	38	281	176	63
Health Disparities Research	630	262	42	419	126	30	211	136	64
Clinical Research for Individuals from Disadvantaged Backgrounds	55	30	55	37	14	38	18	16	89
Contraception and Infertility Research	56	23	41	45	15	33	11	8	73
Total	3,218	1,584	49	2,049	778	38	1,169	806	69

Funding by Program (New + Renewal)

LRP	Awards	Funding	Mean Award	Standard Deviation
Clinical Research	934	\$44,865,171	\$48,036	\$33,167
Pediatric Research	335	\$16,273,539	\$48,578	\$33,646
Health Disparities Research	262	\$11,848,933	\$45,225	\$30,938
Clinical Research for Individuals from Disadvantaged Backgrounds	30	\$1,464,372	\$48,812	\$32,275
Contraception and Infertility Research	23	\$1,025,942	\$44,606	\$35,709
Total	1,584	\$75,477,956	\$47,650	\$32,913

Funding by Program (New)

LRP	Awards	Funding	Mean Award	Standard Deviation
Clinical Research	464	\$29,510,099	\$63,599	\$30,992
Pediatric Research	159	\$10,552,141	\$66,366	\$32,610
Health Disparities Research	126	\$7,020,941	\$55,722	\$30,399
Clinical Research for Individuals from Disadvantaged Backgrounds	14	\$887,972	\$63,427	\$32,562
Contraception and Infertility Research	15	\$684,957	\$45,664	\$36,921
Total	778	\$48,656,111	\$62,540	\$31,564

Funding by Program (Renewal)

LRP	Awards	Funding	Mean Award	Standard Deviation
Clinical Research	470	\$15,355,072	\$32,670	\$27,641
Pediatric Research	176	\$5,721,397	\$32,508	\$25,560
Health Disparities Research	136	\$4,827,991	\$35,500	\$28,228
Clinical Research for Individuals from Disadvantaged Backgrounds	16	\$576,400	\$36,025	\$26,855
Contraception and Infertility Research	8	\$340,985	\$42,623	\$35,699
Total	806	\$26,821,845	\$33,278	\$27,340

Funding by NIH Institutes and Centers (New)

IC	Awards	Funding	Mean Award	Standard Deviation
NCMHD	140	\$7,908,913	\$56,492	\$30,587
NCI	101	\$6,869,933	\$68,019	\$30,629
NHLBI	93	\$6,472,521	\$69,597	\$31,107
NIAID	65	\$4,376,593	\$67,332	\$30,146
NICHD	64	\$3,978,755	\$62,168	\$34,399
NIDDK	51	\$3,550,562	\$69,619	\$28,250
NIMH	50	\$3,083,291	\$61,666	\$30,635
NIA	37	\$1,761,600	\$47,611	\$29,371
NIDA	35	\$2,190,116	\$62,575	\$33,904
NINDS	28	\$1,822,991	\$65,107	\$31,141
NCRR	25	\$1,468,404	\$58,736	\$35,752
NIAMS	17	\$999,627	\$58,802	\$33,944
NIAAA	17	\$927,418	\$54,554	\$33,703
NIDCD	14	\$638,951	\$45,639	\$17,843
NIGMS	10	\$554,167	\$55,417	\$39,538
NEI	8	\$529,093	\$66,137	\$39,945
NIDCR	5	\$238,573	\$47,715	\$36,349
NCCAM	4	\$353,802	\$88,450	\$10,359
NIEHS	4	\$254,455	\$63,614	\$26,049
NLM	3	\$180,720	\$60,240	\$30,002
NHGRI	3	\$173,581	\$57,860	\$23,387
NIBIB	2	\$172,720	\$86,360	\$23,728
FIC	1	\$103,138	\$0	\$0
NINR	1	\$46,187	\$0	\$0
Total	778	\$48,656,111	\$62,540	\$31,564

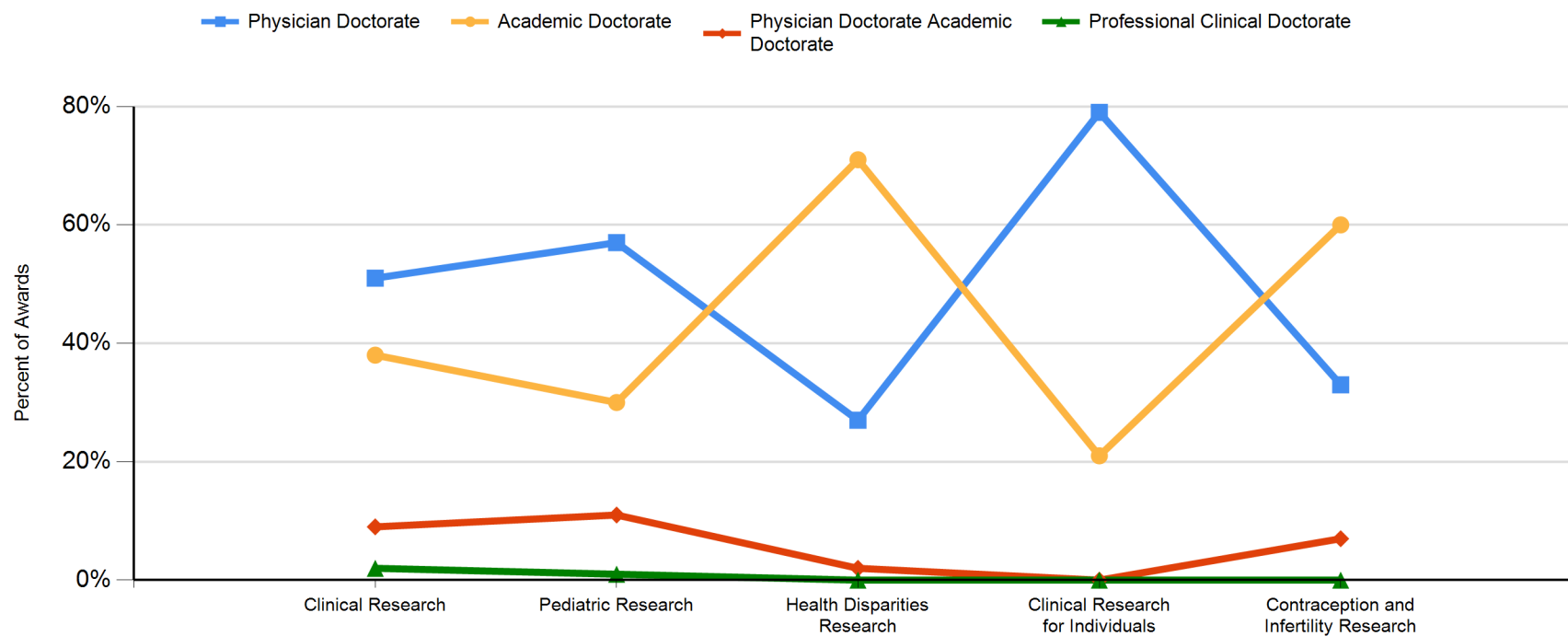
Funding by NIH Institutes and Centers (Renewal)

IC	Awards	Funding	Mean Award	Standard Deviation
NCMHD	152	\$5,404,391	\$35,555	\$28,001
NCI	98	\$3,344,104	\$34,124	\$26,400
NHLBI	83	\$4,041,875	\$48,697	\$33,794
NIDA	63	\$1,303,902	\$20,697	\$15,414
NIMH	55	\$1,549,455	\$28,172	\$24,927
NIAID	51	\$1,460,536	\$28,638	\$23,809
NICHD	50	\$1,561,759	\$31,235	\$26,923
NCRR	37	\$1,215,763	\$32,858	\$27,818
NIA	37	\$738,786	\$19,967	\$17,911
NINDS	32	\$986,328	\$30,823	\$21,155
NIAAA	29	\$611,779	\$21,096	\$16,922
NIDDK	28	\$1,409,938	\$50,355	\$29,872
NEI	22	\$1,017,729	\$46,260	\$31,762
NIAMS	21	\$754,488	\$35,928	\$29,600
NIDCD	20	\$458,721	\$22,936	\$19,209
NIEHS	10	\$258,324	\$25,832	\$20,251
NIDCR	8	\$377,035	\$47,129	\$32,522
NCCAM	5	\$100,327	\$20,065	\$12,640
NIGMS	2	\$148,919	\$74,460	\$32,372
NHGRI	2	\$59,256	\$29,628	\$30,206
NLM	1	\$18,428	\$0	\$0
FIC	0	\$0	\$0	\$0
NIBIB	0	\$0	\$0	\$0
NINR	0	\$0	\$0	\$0
Total	806	\$26,821,845	\$33,278	\$27,340

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

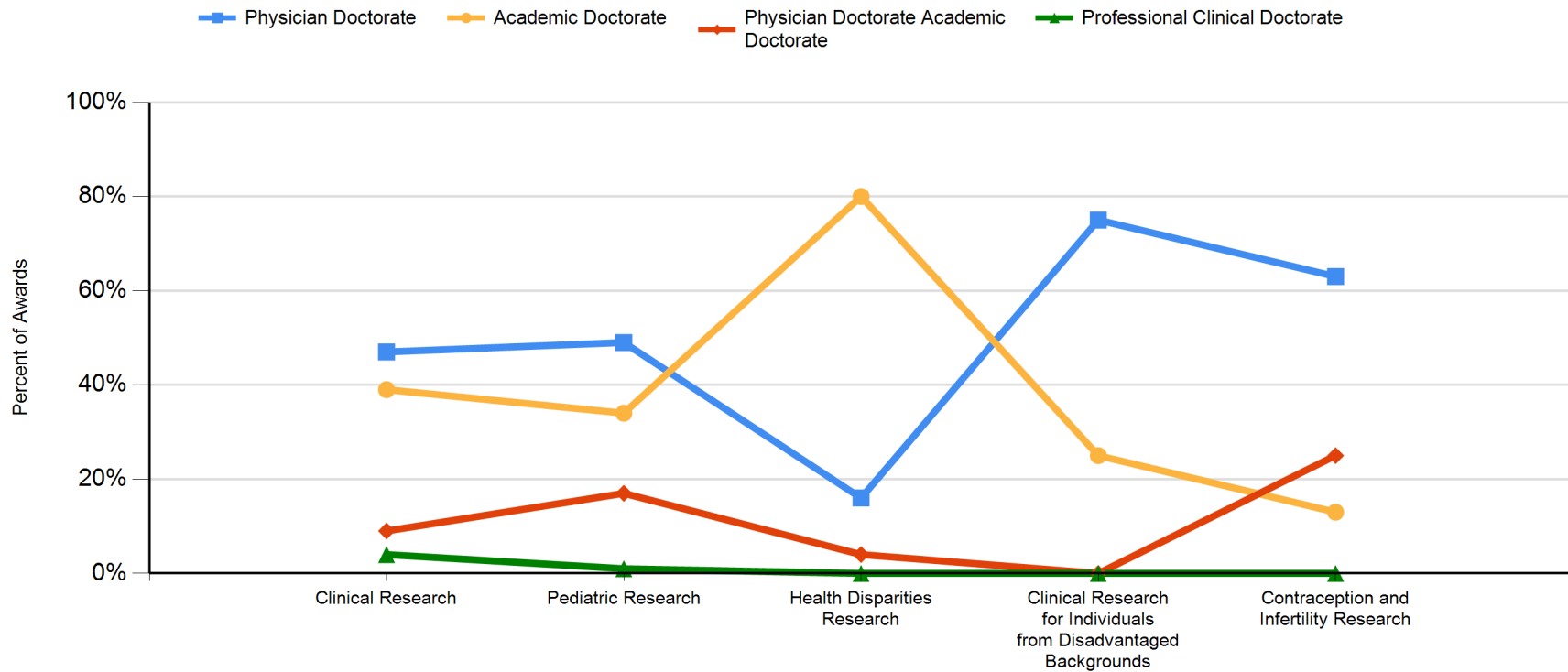
Years Since Degree	Applications N	Awards n	Success rate %
<1 Year	20	5	25
1 to 5 Years	1,267	439	35
6 to 10 Years	636	284	45
11 to 15 Years	105	43	41
15+ Years	21	7	33
Total	2,049	778	38

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	235	51	91	57	34	27	11	79	5	33
Academic Doctorate	175	38	48	30	89	71	3	21	9	60
Physician Doctorate/Academic Doctorate	44	9	18	11	3	2	0	0	1	7
Professional Clinical Doctorate	10	2	2	1	0	0	0	0	0	0

LRP Awards by Doctoral Degree (Renewal)



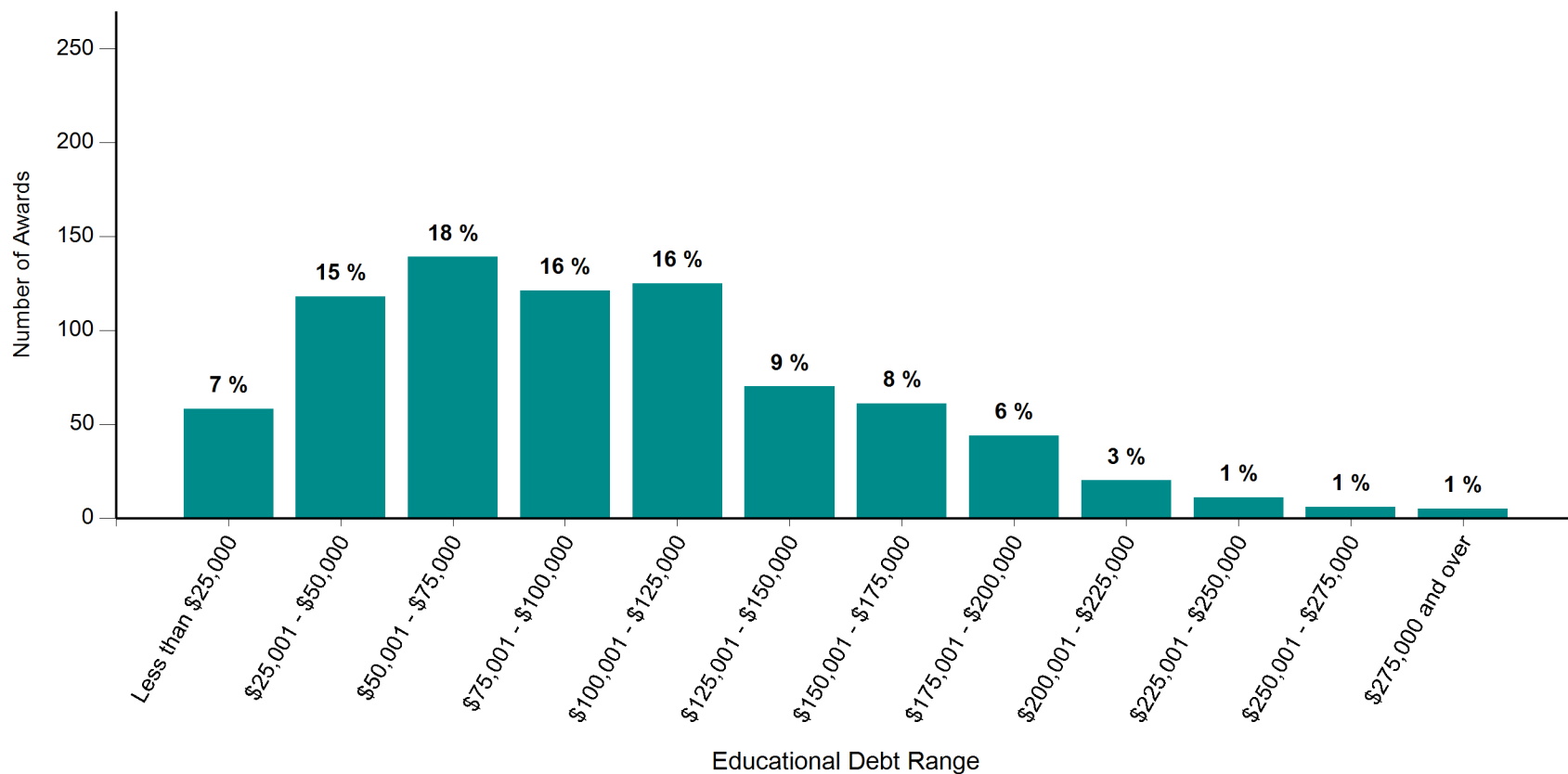
	n	%	n	%	n	%	n	%	n	%
Physician Doctorate	223	47	86	49	22	16	12	75	5	63
Academic Doctorate	183	39	59	34	109	80	4	25	1	13
Physician Doctorate/Academic Doctorate	43	9	30	17	5	4	0	0	2	25
Professional Clinical Doctorate	21	4	1	1	0	0	0	0	0	0

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	1,069	533	50
NIH and Non Profit	1,245	721	58
Non Profit Only	904	330	37
Total	3,218	1,584	49

Educational Debt Levels of LRP Awardees (New)



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

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

LRP	1 Prior Award	2 Prior Awards	3 Prior Awards	4 Prior Awards	5 Prior Awards	6 Prior Awards	Total
Clinical Research	261	130	59	17	2	0	469
Pediatric Research	100	44	24	7	1	0	176
Health Disparities Research	90	34	10	0	0	0	134
Clinical Research for Individuals from Disadvantaged Backgrounds	9	3	4	0	0	0	16
Contraception and Infertility Research	5	3	0	0	0	0	8
Total	465	214	97	24	3	0	803

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	895	502	56	877	432	49	54	46
Pediatric Research	324	162	50	381	173	45	48	52
Health Disparities Research	177	64	36	453	198	44	24	76
Clinical Research for Individuals from Disadvantaged Backgrounds	21	12	57	34	18	53	40	60
Contraception and Infertility Research	10	3	30	46	20	43	13	87
Total	1,427	743	52	1,791	841	47	47	53

Awardee Demographics by Ethnicity (New + Renewal)

LRP	Awards	Hispanic or Latino		Not Hispanic or Latino	
	N	n	%	n	%
Clinical Research	934	39	4	895	96
Pediatric Research	335	13	4	322	96
Health Disparities Research	262	32	12	230	88
Clinical Research for Individuals from Disadvantaged Backgrounds	30	9	30	21	70
Contraception and Infertility Research	23	*	*	19	83
Total	1,584	97	6	1,487	94

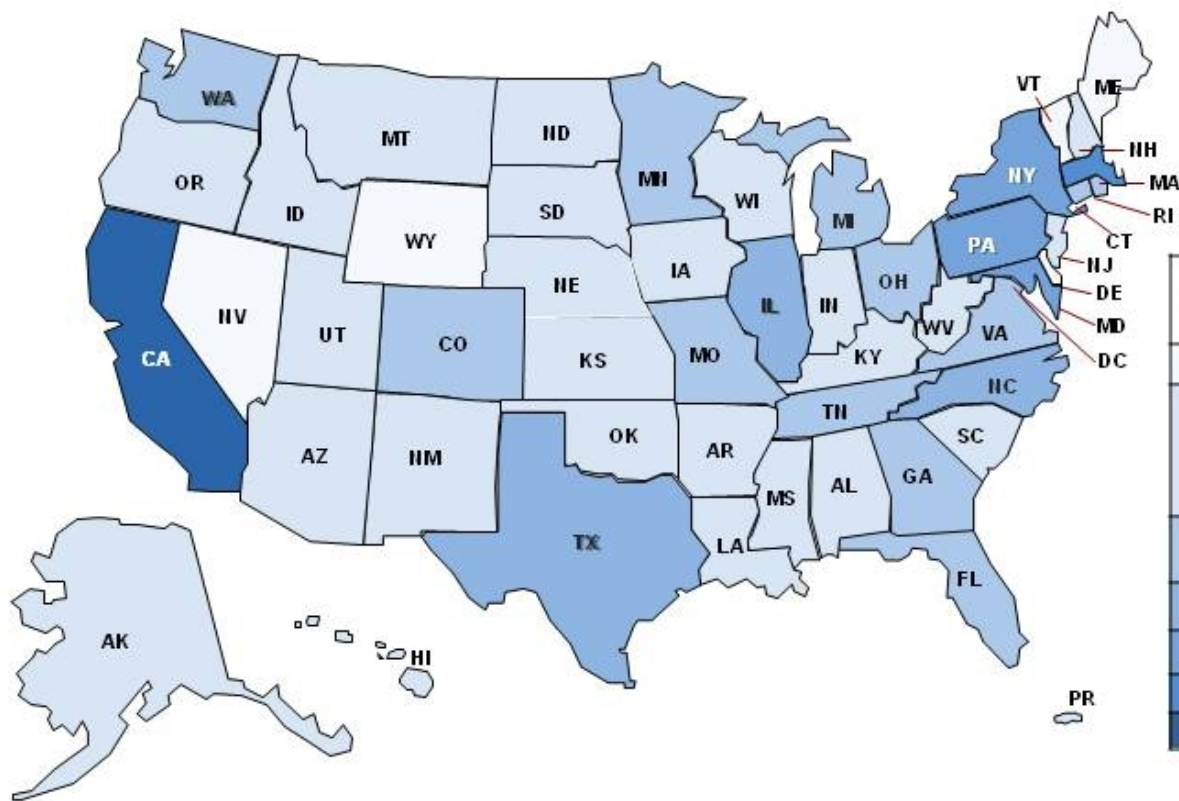
*Restricted Data – small-sized groups cannot be reported due to participant confidentiality considerations.

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	934	*	*	23	2	116	12	*	*	698	75	13	1	81	9
Pediatric Research	335	*	*	6	2	31	9	*	*	249	74	6	2	42	13
Health Disparities Research	262	8	3	77	29	24	9	*	*	105	40	16	6	31	12
Clinical Research for Individuals from Disadvantaged Backgrounds	30	*	*	9	30	*	*	*	*	11	37	*	*	*	*
Contraception and Infertility Research	23	*	*	*	*	*	*	*	*	15	65	*	*	*	*
Total	1,584	13	1	116	7	179	11	*	*	1,078	68	36	2	160	10

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

Number of Awardees by State (New + Renewal)



Number of Participants	States*
0	DE, ME, NV, WY
1-25	AK, AL, AR, AZ, DC, HI, IA, ID, IN, KS, KY, LA, MS, MT, ND, NE, NH, NJ, NM, OK, OR, PR, SC, SD, UT, VT, WI, WV
26-50	CO, CT, FL, GA, IL, MI, MN, MO, RI, TN, VA, WA
51-100	NC, OH, PA, TX
101-150	MD, NY
151-200	MA
201-250	CA

**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>**