



FY 2013 DATA BOOK

Extramural Loan Repayment Programs

NIH Division of Loan Repayment

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Fiscal Year 2013 Highlights

Fiscal Year period covers
October 1, 2012 to September 30, 2013

Application Cycle:

September 1 - November 15, 2012

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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 Advancing Translational Sciences (NCATS)

* Participating in the Extramural Loan Repayment Programs

The Year in Review

In Fiscal Year (FY) 2013, 2,721 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, 1,328 were awarded contracts totaling \$66,747,267. The combined (new and renewal applicants) success rate for the Extramural LRPs was 49 percent.

The Extramural Clinical Research LRP received 55 percent (1,508) of all applications.

New applicants (those not previously funded) constituted 66 percent of all applications while renewal applicants (those previously funded) comprised 34 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 2013 awardees are beginning their careers, with 58 percent having received their qualifying degrees within the last 5 years and 93 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 1,328 awards, while those with academic doctoral level degrees comprised 55 percent of the total awards.

Seventy-seven percent of the new awardees had educational debt greater than \$50,000, with 13 percent having debt levels greater than \$200,000.

Women received 729 of the 1,328 LRP awards. Black/African American applicants received 110 awards. Asians received 137 awards. Hispanics received 89 awards. American Indians/Alaska Natives were recipients of 10 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:

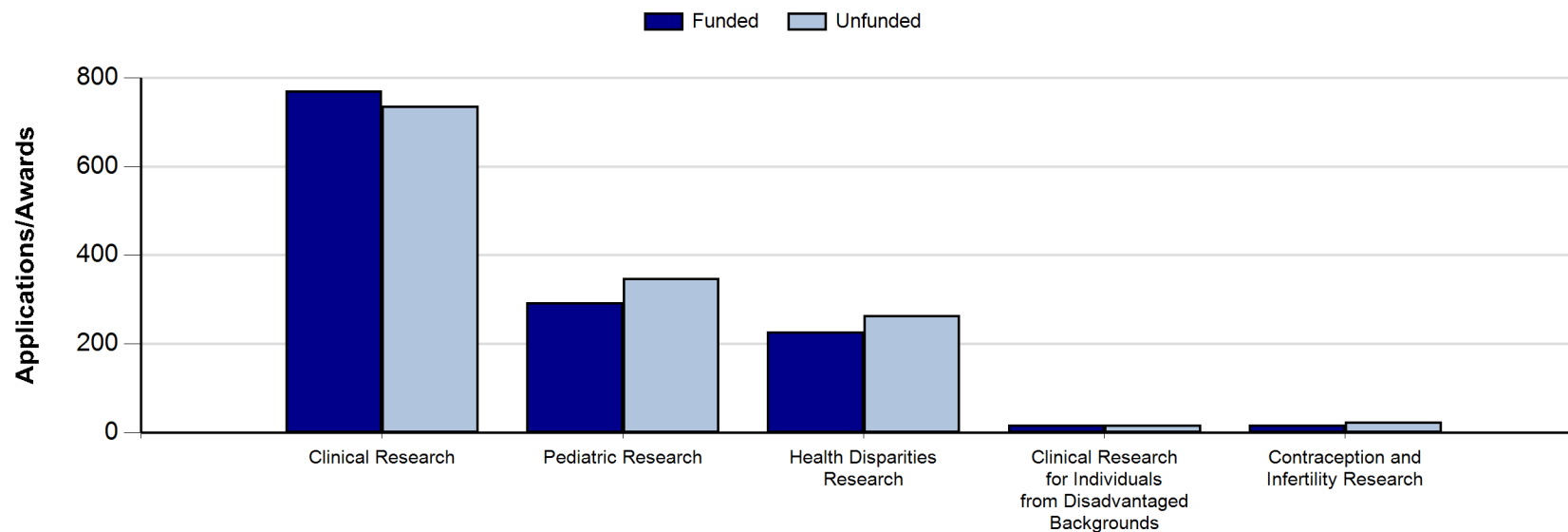
For this program, an individual from a disadvantaged background is defined according to low family income levels set by the U.S. Bureau of the Census – as published in the Federal Register.

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:

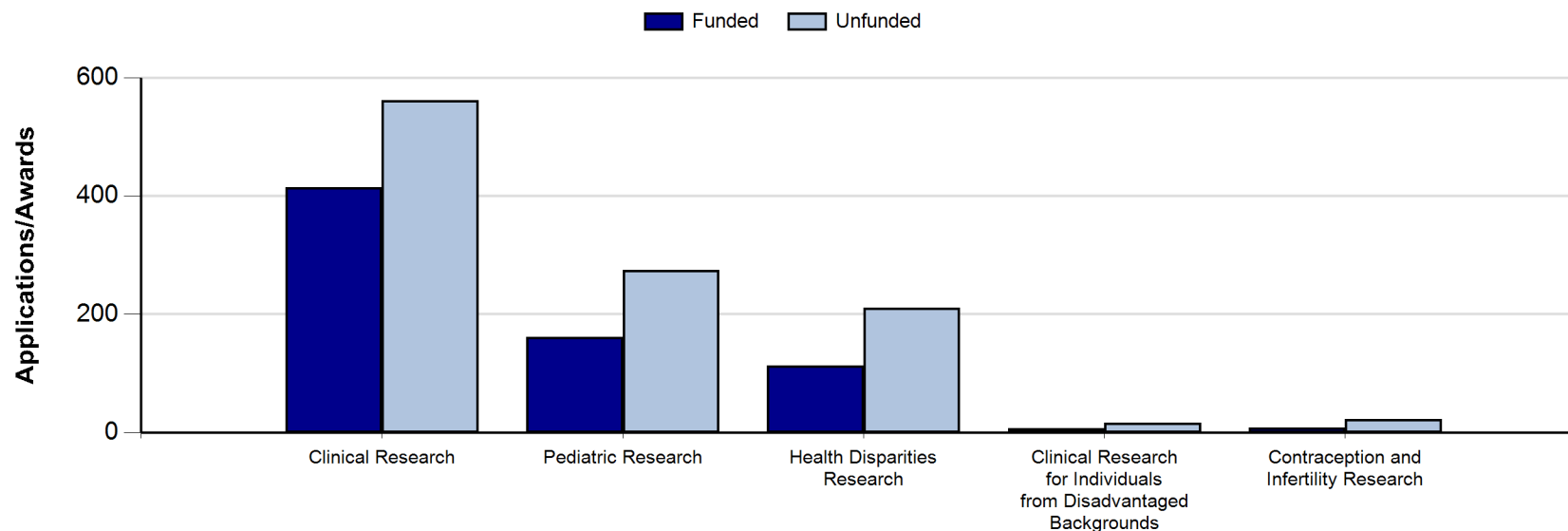
Contraception research is defined as research whose ultimate goal is to provide new or improved methods of preventing pregnancy. Infertility research is defined as research whose long-range objective is to evaluate, treat, or ameliorate conditions which result in the failure of couples to either conceive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

Funded and Unfunded Applications by Program (New + Renewal)



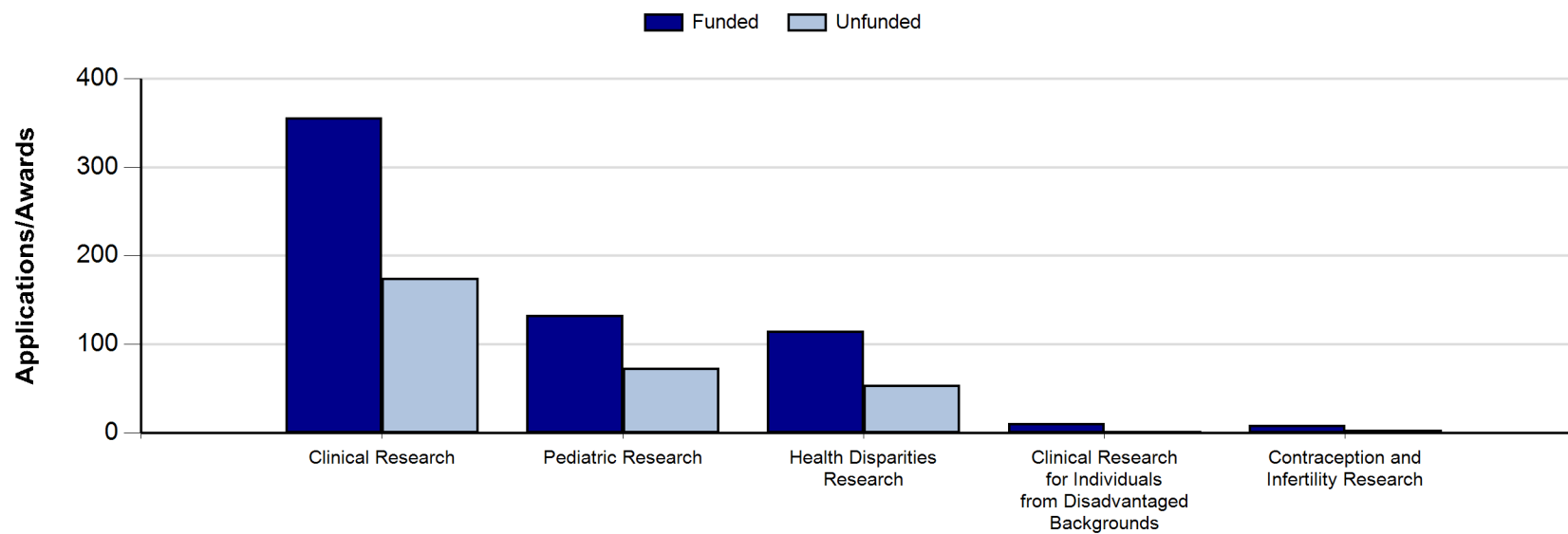
Applications, N	1,508		642		493		36		42	
Funded n, %	771	51	294	46	228	46	18	50	17	40
Unfunded n, %	737	49	348	54	265	54	18	50	25	60

Funded and Unfunded Applications by Program (New)



Applications, N	977		436		324		23		30	
Funded n, %	415	42	161	37	113	35	7	30	8	27
Unfunded n, %	562	58	275	63	211	65	16	70	22	73

Funded and Unfunded Applications by Program (Renewal)



Applications, N	531		206		169		13		12	
Funded, n, %	356	67	133	65	115	68	11	85	9	75
Unfunded, n, %	175	33	73	35	54	32	2	15	3	25

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	1,508	771	51	977	415	42	531	356	67
Pediatric Research	642	294	46	436	161	37	206	133	65
Health Disparities Research	493	228	46	324	113	35	169	115	68
Clinical Research for Individuals from Disadvantaged Backgrounds	36	18	50	23	7	30	13	11	85
Contraception and Infertility Research	42	17	40	30	8	27	12	9	75
Total	2,721	1,328	49	1,790	704	39	931	624	67

Funding by Program (New + Renewal)

LRP	Awards	Funding	Mean Award	Standard Deviation
Clinical Research	771	\$38,881,079	\$50,429	\$30,926
Pediatric Research	294	\$14,882,945	\$50,622	\$30,798
Health Disparities Research	228	\$10,934,036	\$47,956	\$30,940
Clinical Research for Individuals from Disadvantaged Backgrounds	18	\$1,030,668	\$57,259	\$31,865
Contraception and Infertility Research	17	\$1,018,539	\$59,914	\$29,350
Total	1,328	\$66,747,267	\$50,261	\$30,893

Funding by Program (New)

LRP	Awards	Funding	Mean Award	Standard Deviation
Clinical Research	415	\$26,679,435	\$64,288	\$30,840
Pediatric Research	161	\$10,187,282	\$63,275	\$30,775
Health Disparities Research	113	\$7,197,589	\$63,695	\$30,349
Clinical Research for Individuals from Disadvantaged Backgrounds	7	\$516,569	\$73,796	\$28,503
Contraception and Infertility Research	8	\$582,998	\$72,875	\$30,762
Total	704	\$45,163,873	\$64,153	\$30,672

Funding by Program (Renewal)

LRP	Awards	Funding	Mean Award	Standard Deviation
Clinical Research	356	\$12,201,645	\$34,274	\$21,887
Pediatric Research	133	\$4,695,663	\$35,306	\$22,929
Health Disparities Research	115	\$3,736,448	\$32,491	\$22,681
Clinical Research for Individuals from Disadvantaged Backgrounds	11	\$514,098	\$46,736	\$30,421
Contraception and Infertility Research	9	\$435,540	\$48,393	\$24,033
Total	624	\$21,583,394	\$34,589	\$22,519

Funding by NIH Institutes and Centers (New)

IC	Awards	Funding	Mean Award	Standard Deviation
NIMHD	120	\$7,714,158	\$64,285	\$30,224
NCI	103	\$7,265,876	\$70,542	\$30,821
NHLBI	80	\$5,289,111	\$66,114	\$30,338
NIMH	67	\$3,604,320	\$53,796	\$30,931
NICHD	60	\$3,767,066	\$62,784	\$29,171
NIAID	53	\$3,533,361	\$66,667	\$30,182
NIDDK	46	\$3,148,187	\$68,439	\$27,636
NINDS	30	\$2,211,718	\$73,724	\$29,294
NIA	22	\$1,428,523	\$64,933	\$31,619
NEI	18	\$1,161,824	\$64,546	\$34,726
NIAAA	17	\$803,726	\$47,278	\$23,760
NIAMS	16	\$1,133,245	\$70,828	\$29,734
NIDA	16	\$792,407	\$49,525	\$28,735
NCATS	14	\$831,418	\$59,387	\$31,301
NIDCD	11	\$596,042	\$54,186	\$36,376
NIGMS	9	\$528,463	\$58,718	\$34,367
NIEHS	9	\$432,832	\$48,092	\$30,579
NIDCR	6	\$411,039	\$68,507	\$40,753
NCCAM	3	\$291,900	\$97,300	\$0
NHGRI	2	\$160,626	\$80,313	\$24,023
NIBIB	2	\$58,031	\$29,016	\$1,140
Total	704	\$45,163,873	\$64,153	\$30,672

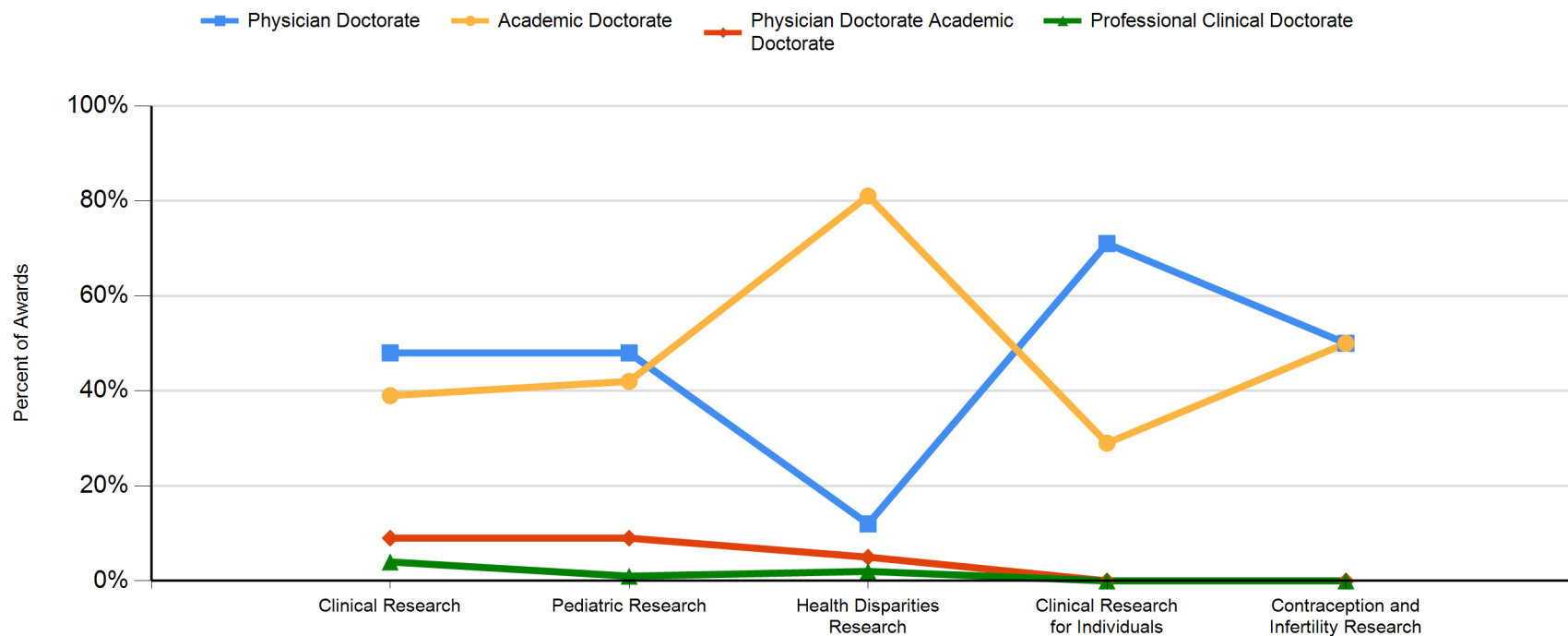
Funding by NIH Institutes and Centers (Renewal)

IC	Awards	Funding	Mean Award	Standard Deviation
NIMHD	126	\$4,250,546	\$33,734	\$23,654
NCI	100	\$2,956,558	\$29,566	\$15,757
NIAID	55	\$2,081,920	\$37,853	\$19,557
NICHD	53	\$2,164,984	\$40,849	\$27,132
NCATS	52	\$1,861,237	\$35,793	\$25,224
NHLBI	45	\$1,730,954	\$38,466	\$21,510
NIMH	36	\$1,064,426	\$29,567	\$23,137
NIA	25	\$819,477	\$32,779	\$23,006
NIAAA	25	\$742,909	\$29,716	\$23,761
NINDS	21	\$857,458	\$40,831	\$27,263
NIDA	20	\$485,636	\$24,282	\$14,230
NIDDK	18	\$843,798	\$46,878	\$27,512
NIAMS	16	\$701,781	\$43,861	\$23,951
NEI	7	\$186,849	\$26,693	\$21,140
NCCAM	6	\$149,395	\$24,899	\$12,587
NIDCR	5	\$193,810	\$38,762	\$16,327
NIEHS	5	\$150,856	\$30,171	\$12,873
NIGMS	3	\$169,133	\$56,378	\$13,384
NHGRI	3	\$89,302	\$29,767	\$18,713
NIDCD	3	\$82,366	\$27,455	\$19,307
NIBIB	0	\$0	\$0	\$0
Total	624	\$21,583,394	\$34,589	\$22,519

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

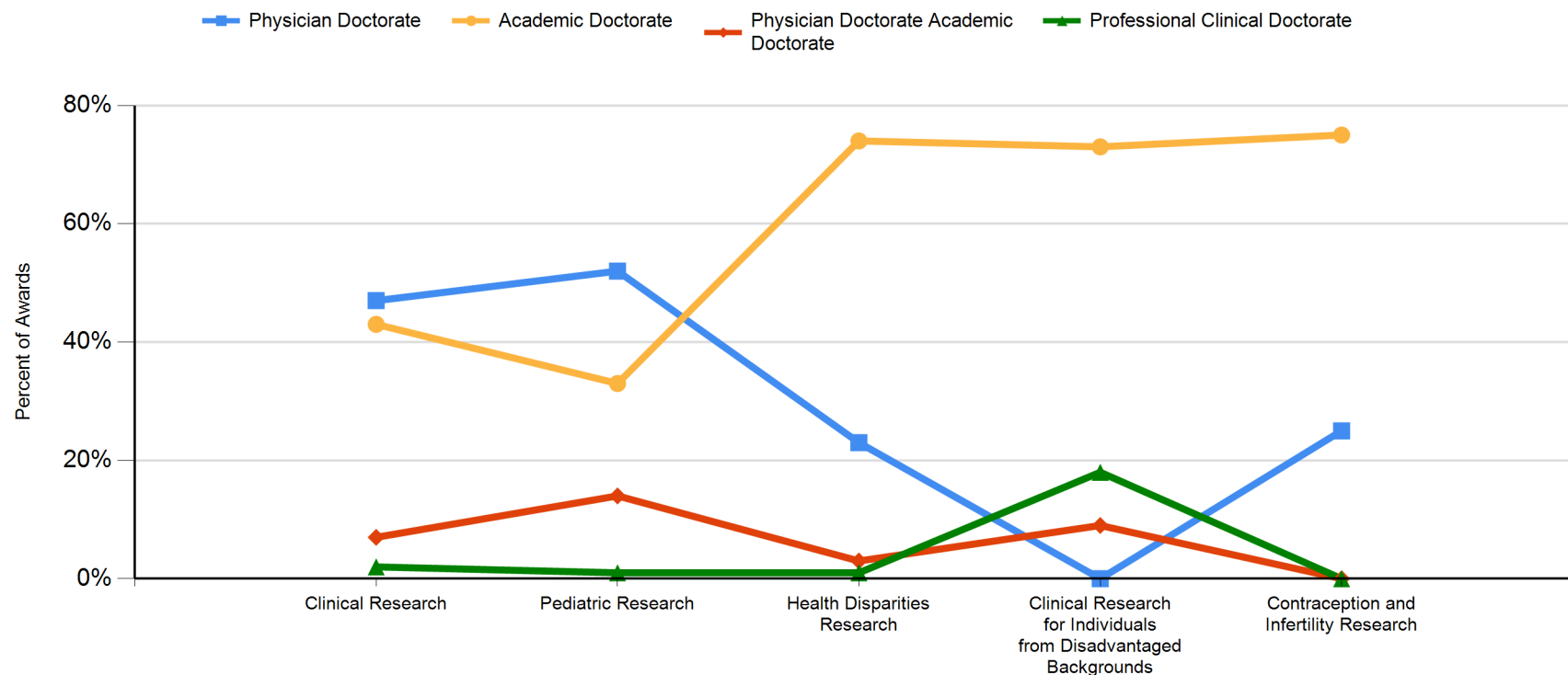
Years Since Degree	Applications N	Awards n	Success rate %
<1 Year	13	8	62
1 to 5 Years	1,026	381	37
6 to 10 Years	618	256	41
11 to 15 Years	112	51	46
15+ Years	21	8	38
Total	1,790	704	39

LRP Awards by Doctoral Degree (New)



	n	%	n	%	n	%	n	%	n	%
Physician Doctorate	199	48	77	48	14	12	5	71	4	50
Academic Doctorate	163	39	67	42	91	81	2	29	4	50
Physician Doctorate/Academic Doctorate	38	9	15	9	6	5	0	0	0	0
Professional Clinical Doctorate	15	4	2	1	2	2	0	0	0	0

LRP Awards by Doctoral Degree (Renewal)



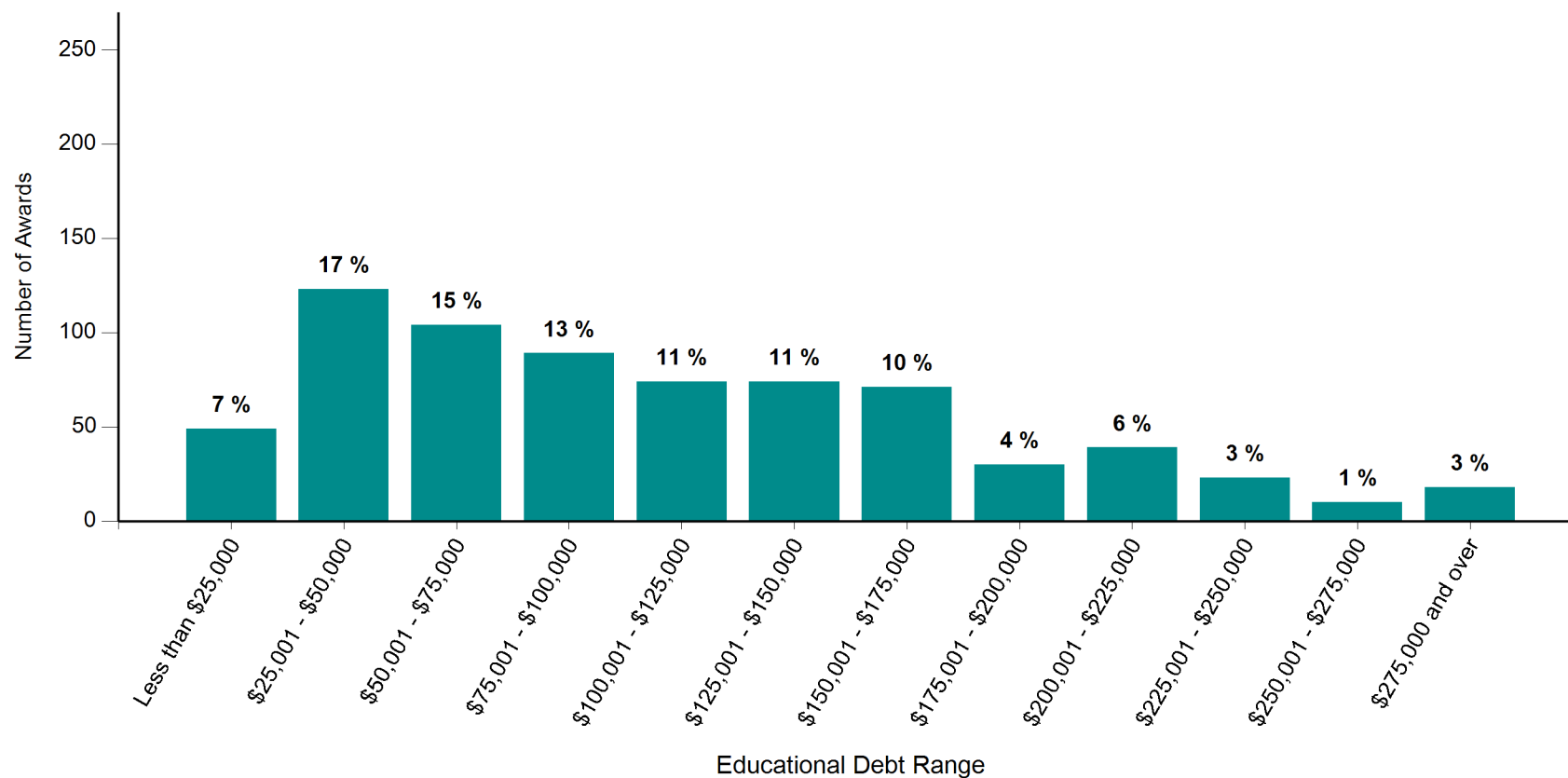
	n	%	n	%	n	%	n	%	n	%
Physician Doctorate	169	47	69	52	26	23	0	0	2	25
Academic Doctorate	154	43	44	33	85	74	8	73	6	75
Physician Doctorate/Academic Doctorate	26	7	19	14	3	3	1	9	0	0
Professional Clinical Doctorate	7	2	1	1	1	1	2	18	0	0

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	834	425	51
NIH and Non Profit	1,141	632	55
Non Profit Only	746	271	36
Total	2,721	1,328	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 Participants (Renewal)

LRP	1 Prior Award	2 Prior Awards	3 Prior Awards	4 Prior Awards	5 Prior Awards	6 Prior Awards	Total
Clinical Research	202	100	40	10	4	0	356
Pediatric Research	74	39	11	9	0	0	133
Health Disparities Research	73	29	12	1	0	0	115
Clinical Research for Individuals from Disadvantaged Backgrounds	7	4	0	0	0	0	11
Contraception and Infertility Research	8	1	0	0	0	0	9
Total	364	173	63	20	4	0	624

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	749	405	54	759	366	48	53	47
Pediatric Research	267	131	49	375	163	43	45	55
Health Disparities Research	110	52	47	383	176	46	23	77
Clinical Research for Individuals from Disadvantaged Backgrounds	14	7	50	22	11	50	39	61
Contraception and Infertility Research	11	4	36	31	13	42	24	76
Total	1,151	599	52	1,570	729	46	45	55

Awardee Demographics by Ethnicity (New + Renewal)

LRP	Awards	Hispanic or Latino		Not Hispanic or Latino	
	N	n	%	n	%
Clinical Research	771	38	5	733	95
Pediatric Research	294	12	4	282	96
Health Disparities Research	228	32	14	196	86
Clinical Research for Individuals from Disadvantaged Backgrounds	18	*	*	15	83
Contraception and Infertility Research	17	*	*	13	76
Total	1,328	89	7	1,239	93

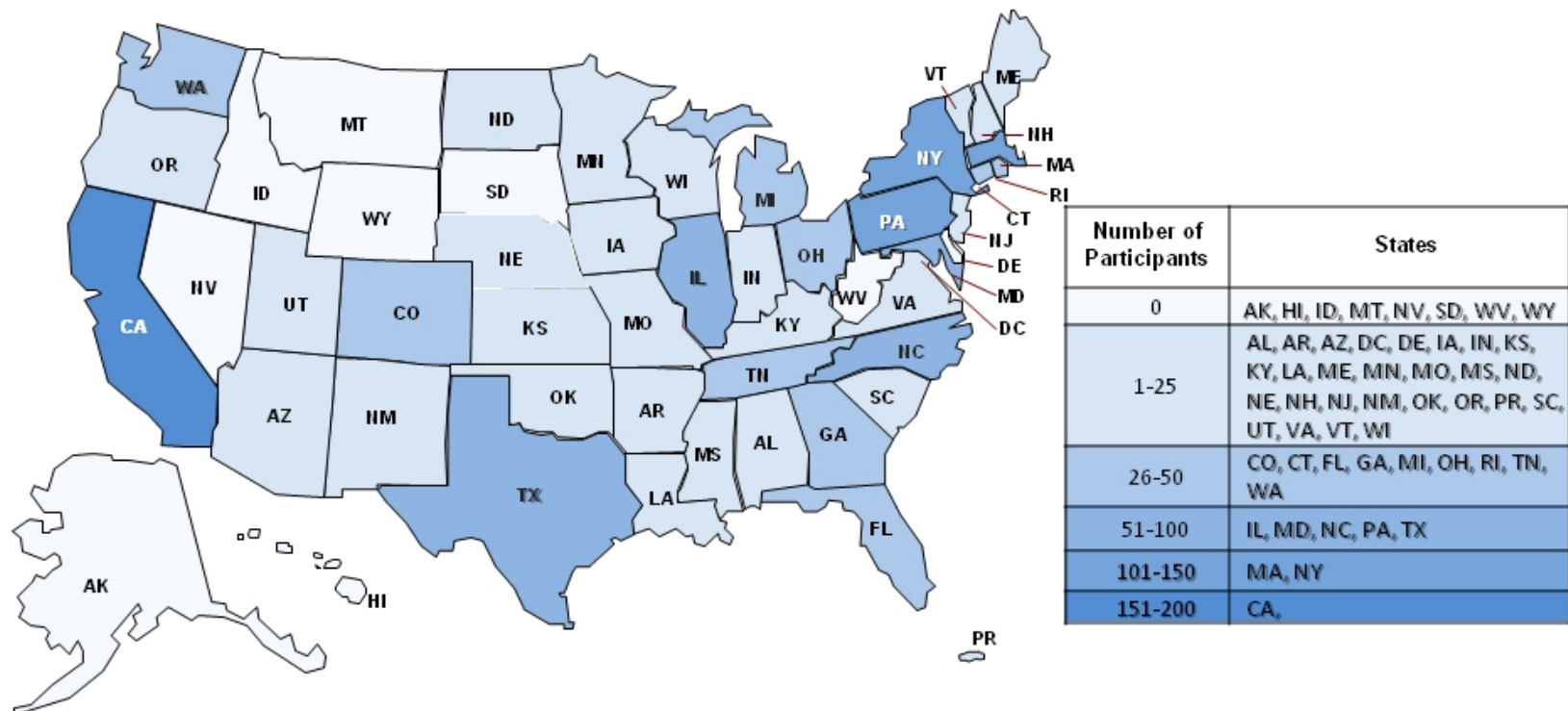
*Restricted Data – small-sized groups cannot be reported due to participant confidentiality considerations.

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	%	
Clinical Research	771	*	*	26	3	87	11	*	*	572	74	19	2	65	8
Pediatric Research	294	*	*	12	4	26	9	*	*	227	77	*	*	23	8
Health Disparities Research	228	7	3	68	30	20	9	*	*	96	42	18	8	18	8
Clinical Research for Individuals from Disadvantaged Backgrounds	18	*	*	*	*	*	*	*	*	10	56	*	*	*	*
Contraception and Infertility Research	17	*	*	*	*	*	*	*	*	11	65	*	*	*	*
Total	1,328	10	1	110	8	137	10	*	*	916	69	43	3	111	8

*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>**