



FY 2008 DATA BOOK

Extramural Loan Repayment Programs

NIH Division of Loan Repayment

Revised: March 1, 2014

Fiscal Year 2008 Highlights

Fiscal Year period covers
October 1, 2007 to September 30, 2008

Application Cycle:

September 1 - November 15, 2007

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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) 2008, 3,377 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, 1,583 were awarded contracts totaling \$71,361,754. The combined (new and renewal applicants) success rate for the Extramural LRPs was 47 percent.

The Extramural Clinical Research LRP received 56 percent (1,881) of all applications.

New applicants (those not previously funded) constituted 65 percent of all applications while renewal applicants (those previously funded) comprised 35 percent of all applicants. Success rates for new and renewal applicants were 35 and 69 percent, respectively.

The LRPs are open to health professionals with doctoral level degrees or advanced certifications and varying levels of experience. Most new FY 2008 awardees are beginning their careers, with 57 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 53 percent of the 1,583 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 9 percent having debt levels greater than \$200,000. In comparison, 32 percent of the renewal awardees had educational debt greater than \$50,000, with 1% having debt levels greater than \$200,000.

Women received 840 of the 1,583 LRP awards. Black/African American applicants received 134 awards, Asians received 164 awards, Hispanics received 84 awards, and American Indians/Alaska Natives were recipients of 7 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:

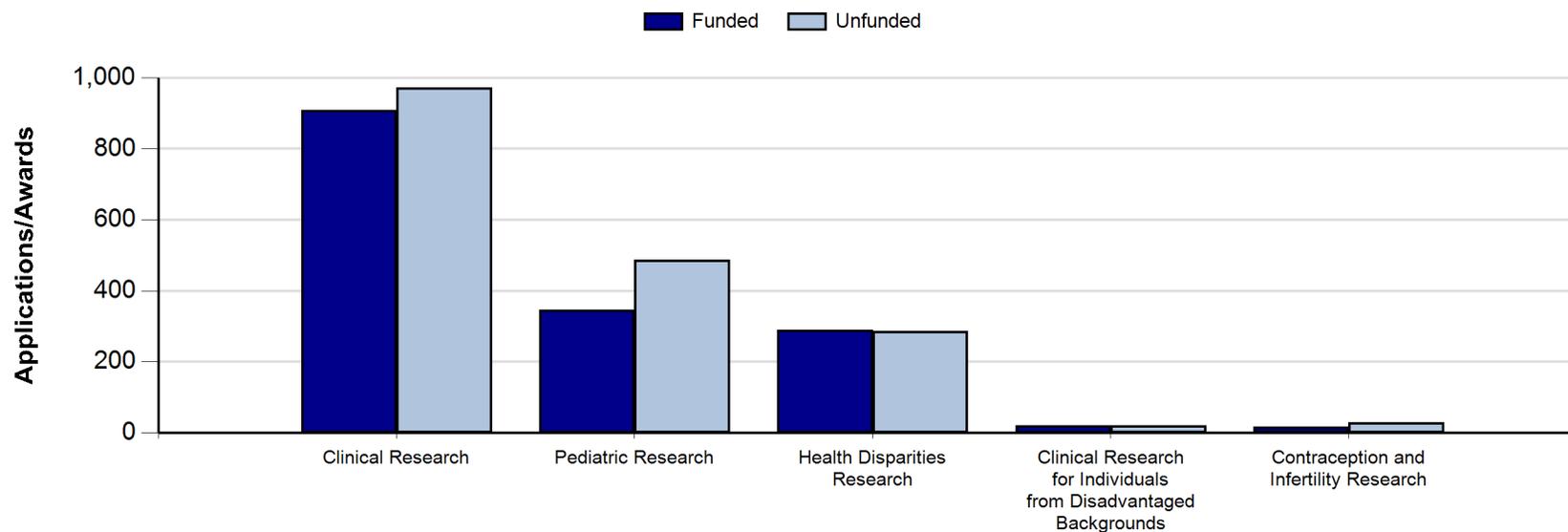
For this program, an individual from a disadvantaged background is defined according to low family income levels set by the U.S. Bureau of the Census – as published in the Federal Register.

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:

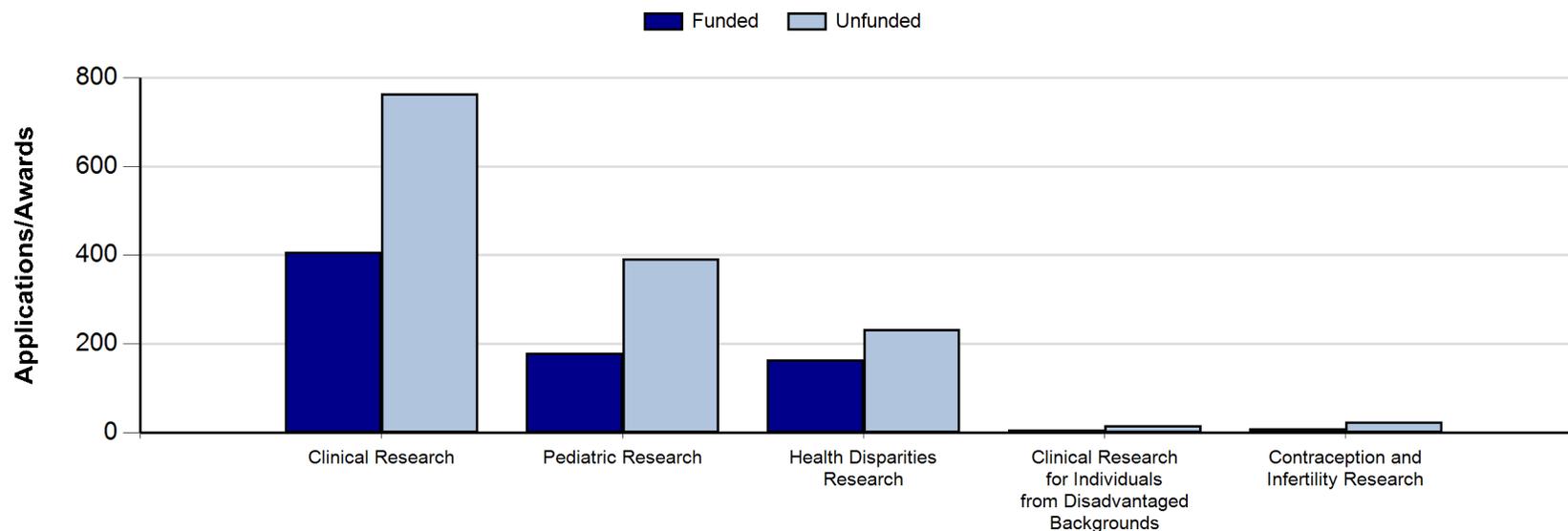
Contraception research is defined as research whose ultimate goal is to provide new or improved methods of preventing pregnancy. Infertility research is defined as research whose long-range objective is to evaluate, treat, or ameliorate conditions which result in the failure of couples to either conceive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

Funded and Unfunded Applications by Program (New + Renewal)



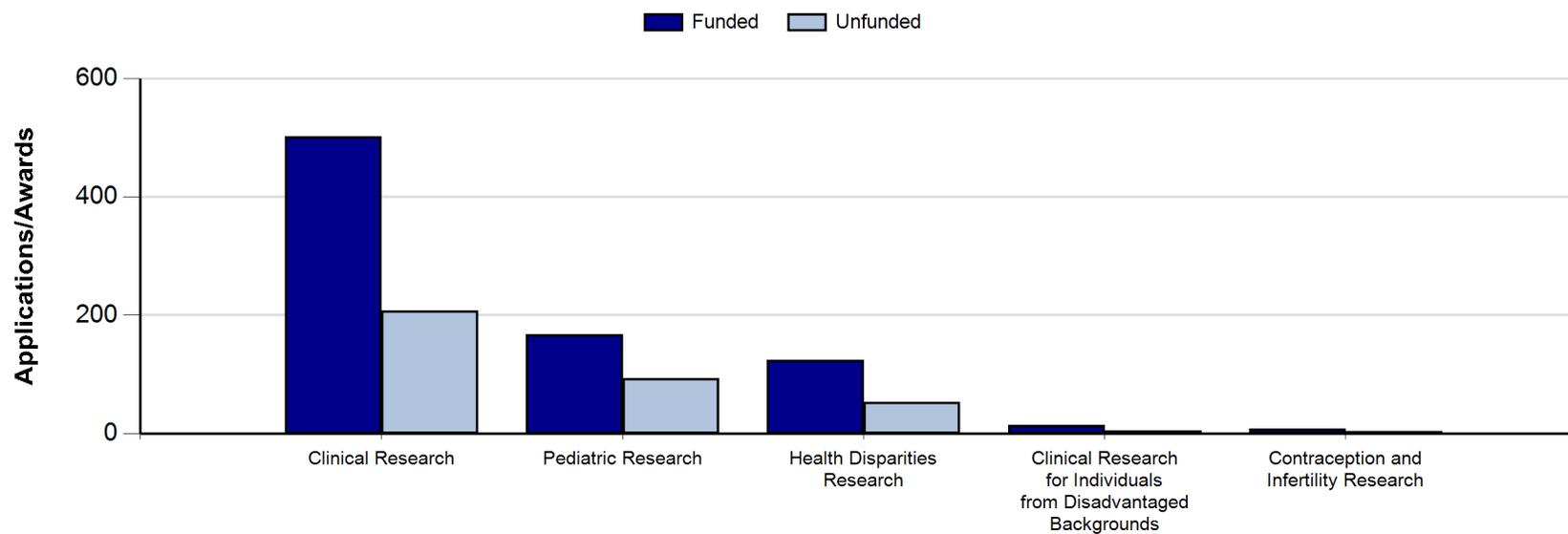
Applications, N	1,881		833		575		42		46	
Funded n, %	909	48	347	42	289	50	21	50	17	37
Unfunded n, %	972	52	486	58	286	50	21	50	29	63

Funded and Unfunded Applications by Program (New)



Applications, N	1,171		571		398		23		34	
Funded n, %	407	35	179	31	165	41	7	30	9	26
Unfunded n, %	764	65	392	69	233	59	16	70	25	74

Funded and Unfunded Applications by Program (Renewal)



Applications, N	710		262		177		19		12	
Funded, n, %	502	71	168	64	124	70	14	74	8	67
Unfunded, n, %	208	29	94	36	53	30	5	26	4	33

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	1,881	909	48	1,171	407	35	710	502	71
Pediatric Research	833	347	42	571	179	31	262	168	64
Health Disparities Research	575	289	50	398	165	41	177	124	70
Clinical Research for Individuals from Disadvantaged Backgrounds	42	21	50	23	7	30	19	14	74
Contraception and Infertility Research	46	17	37	34	9	26	12	8	67
Total	3,377	1,583	47	2,197	767	35	1,180	816	69

Funding by Program (New + Renewal)

LRP	Awards	Funding	Mean Award	Standard Deviation
Clinical Research	909	\$38,593,631	\$42,457	\$33,289
Pediatric Research	347	\$17,373,528	\$50,068	\$34,546
Health Disparities Research	289	\$13,283,485	\$45,964	\$33,241
Clinical Research for Individuals from Disadvantaged Backgrounds	21	\$979,694	\$46,652	\$34,286
Contraception and Infertility Research	17	\$996,450	\$58,615	\$35,849
Total	1,583	\$71,226,788	\$44,995	\$33,729

Funding by Program (New)

LRP	Awards	Funding	Mean Award	Standard Deviation
Clinical Research	407	\$23,836,440	\$58,566	\$33,870
Pediatric Research	179	\$11,752,529	\$65,657	\$32,473
Health Disparities Research	165	\$9,851,223	\$59,704	\$33,024
Clinical Research for Individuals from Disadvantaged Backgrounds	7	\$511,993	\$73,142	\$26,357
Contraception and Infertility Research	9	\$771,871	\$85,763	\$22,035
Total	767	\$46,724,056	\$60,918	\$33,380

Funding by Program (Renewal)

LRP	Awards	Funding	Mean Award	Standard Deviation
Clinical Research	502	\$14,757,190	\$29,397	\$26,402
Pediatric Research	168	\$5,620,999	\$33,458	\$28,472
Health Disparities Research	124	\$3,432,262	\$27,680	\$23,300
Clinical Research for Individuals from Disadvantaged Backgrounds	14	\$467,700	\$33,407	\$30,351
Contraception and Infertility Research	8	\$224,579	\$28,072	\$19,204
Total	816	\$24,502,732	\$30,028	\$26,423

Funding by NIH Institutes and Centers (New)

IC	Awards	Funding	Mean Award	Standard Deviation
NCMHD	172	\$10,363,216	\$60,251	\$32,823
NCI	73	\$4,614,826	\$63,217	\$34,661
NHLBI	72	\$5,297,844	\$73,581	\$31,945
NIAID	62	\$3,563,645	\$57,478	\$33,928
NIMH	61	\$3,335,978	\$54,688	\$32,366
NICHD	60	\$3,533,197	\$58,887	\$30,574
NIDDK	41	\$3,107,629	\$75,796	\$28,343
NIDA	38	\$2,139,075	\$56,291	\$31,311
NIA	32	\$1,453,330	\$45,417	\$33,584
NINDS	27	\$1,868,010	\$69,186	\$33,712
NCRR	21	\$1,238,651	\$58,983	\$38,880
NIAMS	18	\$1,146,759	\$63,709	\$35,076
NIDCD	17	\$912,546	\$53,679	\$25,253
NEI	16	\$1,183,038	\$73,940	\$31,085
NIAAA	16	\$617,771	\$38,611	\$26,271
NIDCR	10	\$531,843	\$53,184	\$33,576
NIGMS	7	\$681,290	\$97,327	\$12,983
NIEHS	6	\$399,841	\$66,640	\$40,177
NCCAM	6	\$310,694	\$51,782	\$31,137
NINR	4	\$46,738	\$11,684	\$5,029
NHGRI	3	\$177,232	\$59,077	\$46,511
NIBIB	3	\$152,193	\$50,731	\$46,402
NLM	2	\$48,711	\$24,356	\$18,130
FIC	0	\$0	\$0	\$0
Total	767	\$46,724,056	\$60,918	\$33,380

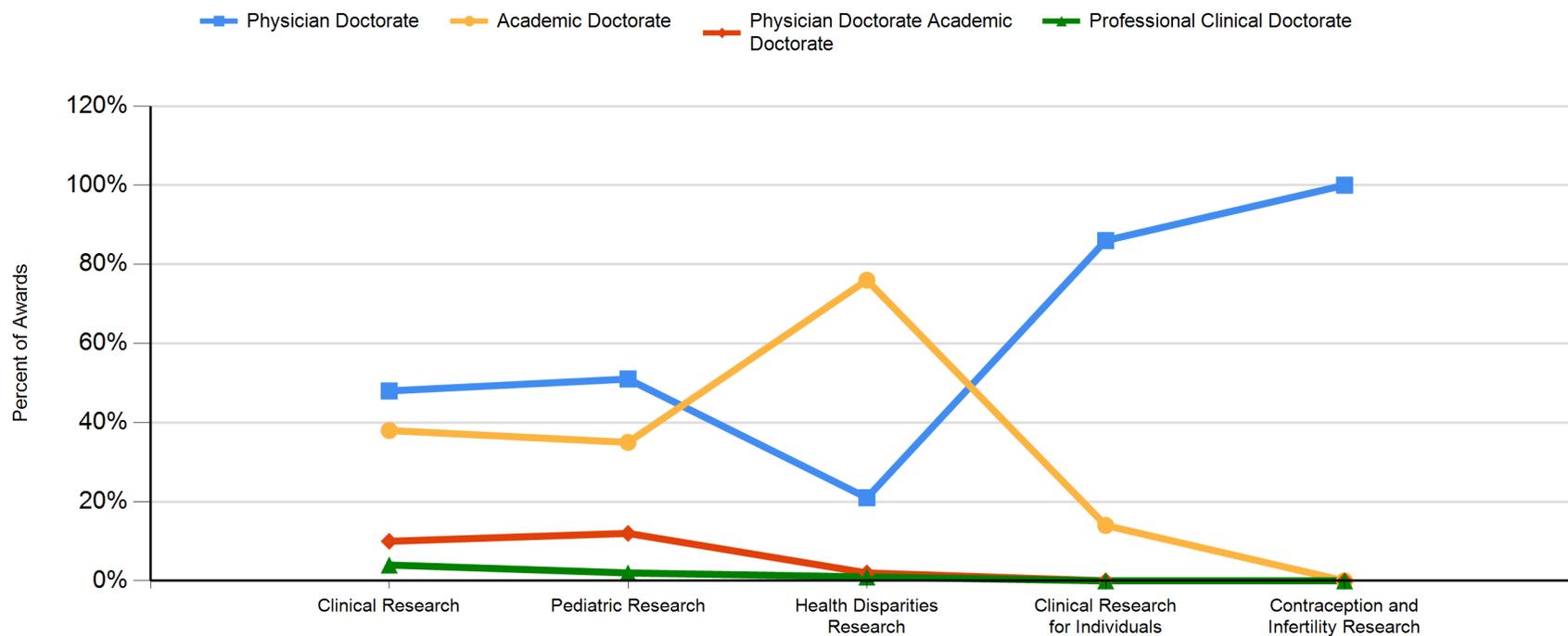
Funding by NIH Institutes and Centers (Renewal)

IC	Awards	Funding	Mean Award	Standard Deviation
NCMHD	138	\$3,899,963	\$28,261	\$24,038
NCI	85	\$3,476,895	\$40,905	\$31,356
NHLBI	82	\$3,652,506	\$44,543	\$33,679
NIAID	79	\$2,041,723	\$25,845	\$18,001
NIDA	73	\$1,292,739	\$17,709	\$14,560
NIMH	63	\$1,298,982	\$20,619	\$17,868
NICHD	47	\$1,750,914	\$37,253	\$32,544
NCRR	42	\$1,552,147	\$36,956	\$30,705
NIA	42	\$1,040,881	\$24,783	\$21,201
NIAAA	35	\$891,280	\$25,465	\$24,927
NINDS	35	\$807,512	\$23,072	\$18,809
NIAMS	22	\$643,373	\$29,244	\$30,519
NIDDK	20	\$964,362	\$48,218	\$25,501
NEI	19	\$369,799	\$19,463	\$16,987
NIDCD	12	\$202,699	\$16,892	\$6,016
NCCAM	5	\$138,099	\$27,620	\$22,050
NIDCR	5	\$115,338	\$23,068	\$16,747
NIEHS	4	\$48,120	\$12,030	\$8,104
NIGMS	3	\$35,698	\$11,899	\$2,003
NHGRI	2	\$90,609	\$45,305	\$42,335
NLM	2	\$85,955	\$42,978	\$12,150
FIC	1	\$103,138	\$0	\$0
NIBIB	0	\$0	\$0	\$0
NINR	0	\$0	\$0	\$0
Total	816	\$24,502,732	\$30,028	\$26,423

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

Years Since Degree	Applications N	Awards n	Success rate %
<1 Year	31	11	35
1 to 5 Years	1,318	432	33
6 to 10 Years	710	276	39
11 to 15 Years	100	39	39
15+ Years	38	9	24
Total	2,197	767	35

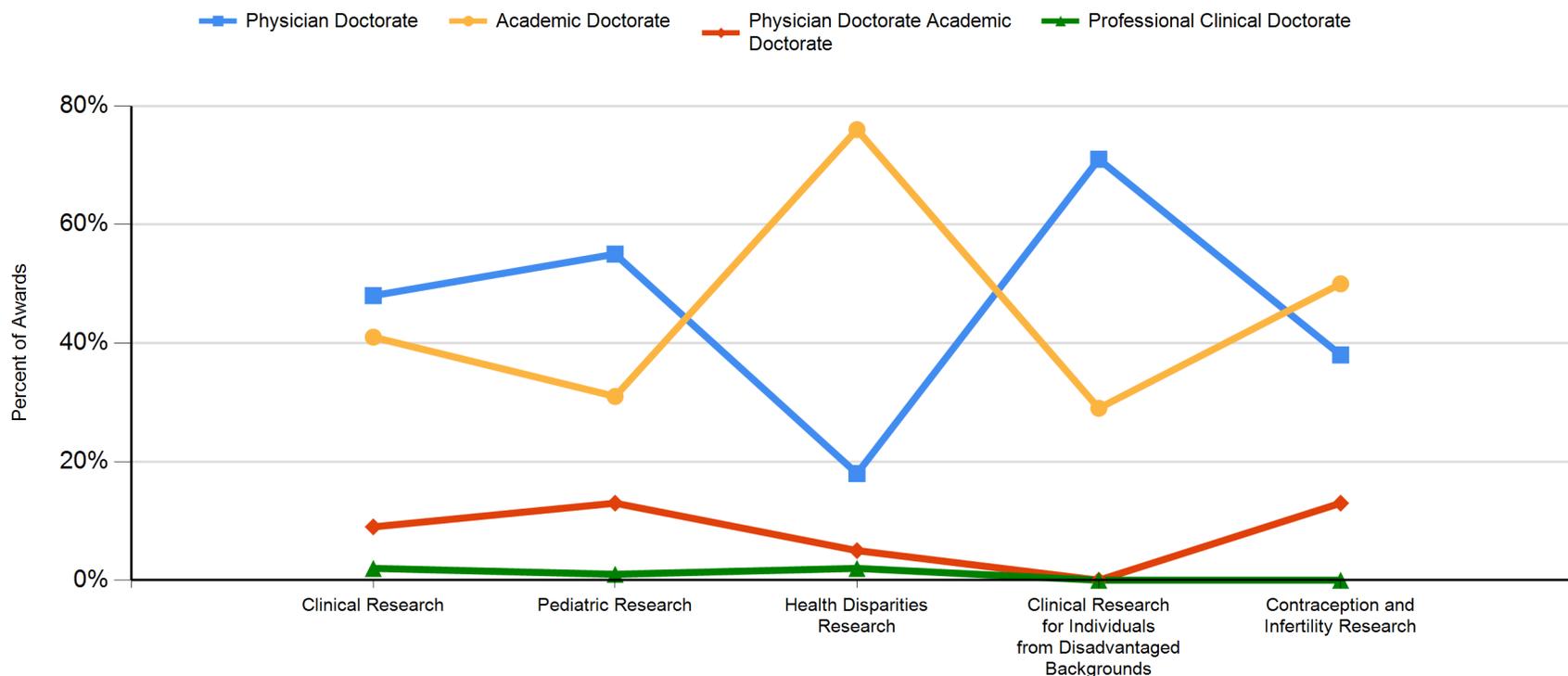
LRP Awards by Doctoral Degree (New)



	n	%	n	%	n	%	n	%	n	%
Physician Doctorate	196	48	91	51	35	21	6	86	9	100
Academic Doctorate	156	38	62	35	126	76	1	14	0	0
Physician Doctorate/Academic Doctorate	40	10	22	12	3	2	0	0	0	0
Professional Clinical Doctorate	15	4	4	2	1	1	0	0	0	0

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

LRP Awards by Doctoral Degree (Renewal)



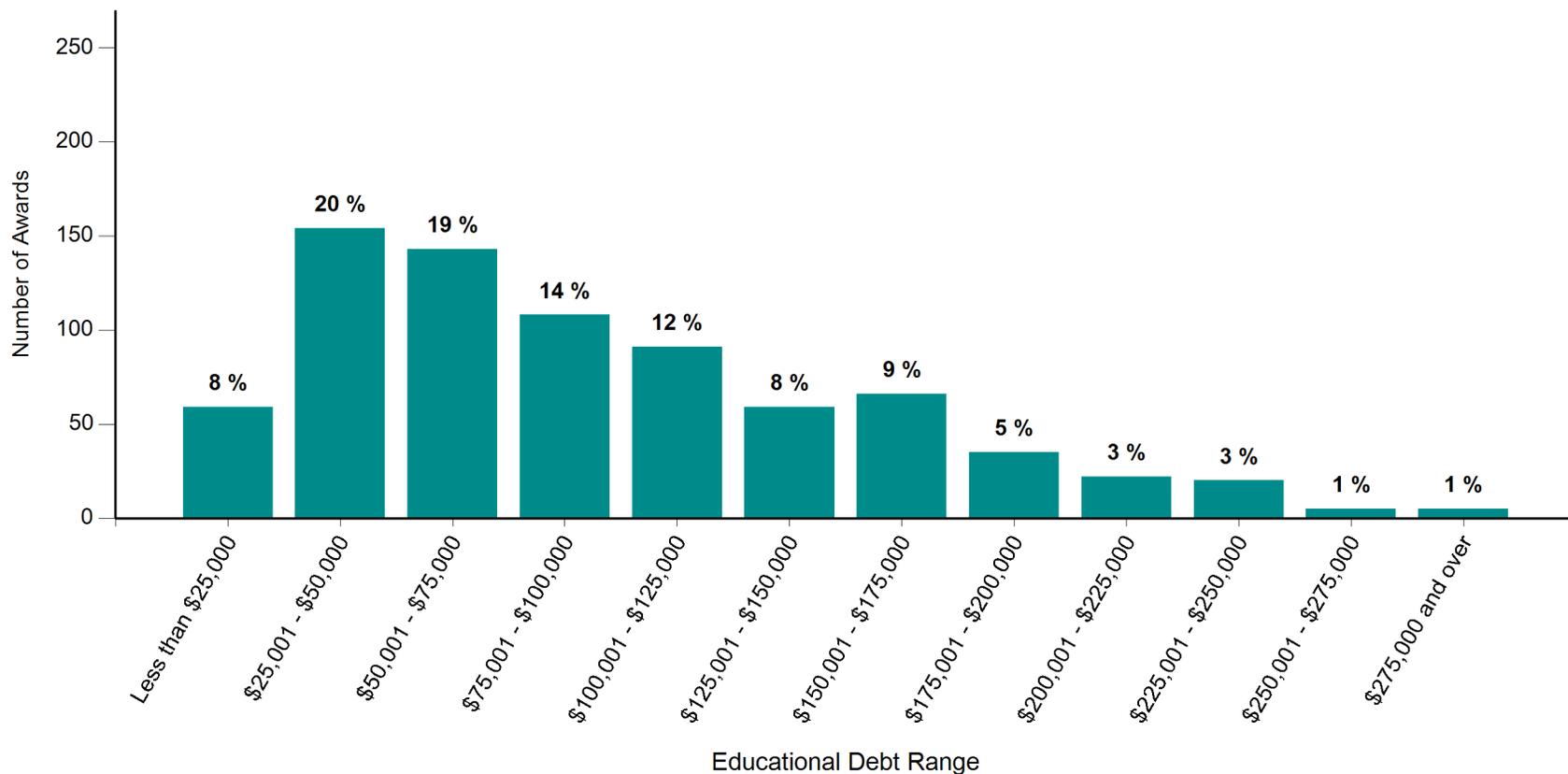
	n	%	n	%	n	%	n	%	n	%
Physician Doctorate	239	48	93	55	22	18	10	71	3	38
Academic Doctorate	204	41	52	31	94	76	4	29	4	50
Physician Doctorate/Academic Doctorate	47	9	21	13	6	5	0	0	1	13
Professional Clinical Doctorate	12	2	2	1	2	2	0	0	0	0

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	1,027	497	48
NIH and Non Profit	1,354	754	56
Non Profit Only	996	332	33
Total	3,377	1,583	47

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	3	112	222	120	39	6	502
Pediatric Research	2	42	71	29	21	3	168
Health Disparities Research	3	59	48	12	2	0	124
Clinical Research for Individuals from Disadvantaged Backgrounds	0	4	6	1	3	0	14
Contraception and Infertility Research	0	5	3	0	0	0	8
Total	8	222	350	162	65	9	816

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	965	478	50	916	431	47	53	47
Pediatric Research	392	170	43	441	177	40	49	51
Health Disparities Research	175	84	48	400	205	51	29	71
Clinical Research for Individuals from Disadvantaged Backgrounds	16	7	44	26	14	54	33	67
Contraception and Infertility Research	11	4	36	35	13	37	24	76
Total	1,559	743	48	1,818	840	46	47	53

Awardee Demographics by Ethnicity (New + Renewal)

LRP	Awards	Hispanic or Latino		Not Hispanic or Latino	
	N	n	%	n	%
Clinical Research	909	29	3	880	97
Pediatric Research	347	14	4	333	96
Health Disparities Research	289	35	12	254	88
Clinical Research for Individuals from Disadvantaged Backgrounds	21	*	*	18	86
Contraception and Infertility Research	17	*	*	14	82
Total	1,583	84	5	1,499	95

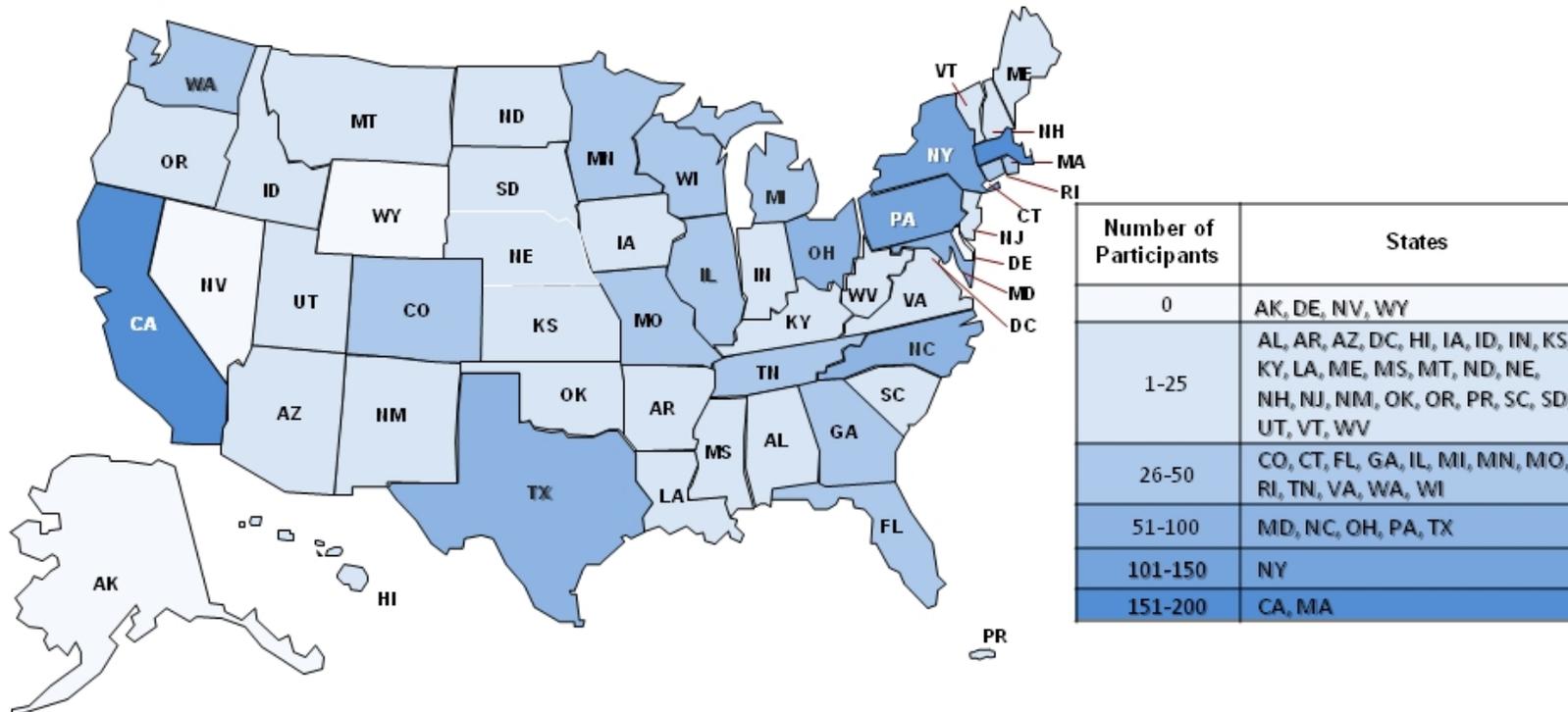
*Restricted Data – small-sized groups cannot be reported due to participant confidentiality considerations.

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	909	*	*	23	3	97	11	*	*	681	75	11	1	95	10
Pediatric Research	347	*	*	9	3	35	10	*	*	262	76	*	*	38	11
Health Disparities Research	289	*	*	96	33	28	10	*	*	102	35	10	3	49	17
Clinical Research for Individuals from Disadvantaged Backgrounds	21	*	*	*	*	*	*	*	*	6	29	*	*	6	29
Contraception and Infertility Research	17	*	*	*	*	*	*	*	*	11	65	*	*	*	*
Total	1,583	7	0	134	8	164	10	*	*	1,062	67	24	2	192	12

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