



# FY 2006 DATA BOOK

Extramural Loan Repayment Programs

NIH Division of Loan Repayment

Revised: March 1, 2014

## Fiscal Year 2006 Highlights

Fiscal Year period covers  
October 1, 2005 to September 30, 2006

## Application Cycle:

September 1 - December 1, 2005

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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 for Research Resources (NCRR)

\* Participating in the Extramural Loan Repayment Programs

## The Year in Review

In Fiscal Year (FY) 2006, 3,200 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, 1,651 were awarded contracts totaling \$70,806,489. The combined (new and renewal applicants) success rate for the Extramural LRPs was 52 percent.

The Extramural Clinical Research LRP received 57 percent (1,821) of all applications.

New applicants (those not previously funded) constituted 60 percent of all applications while renewal applicants (those previously funded) comprised 40 percent of all applicants. Success rates for new and renewal applicants were 40 and 70 percent, respectively.

The LRPs are open to health professionals with doctoral level degrees or advanced certifications with varying levels of experience. Many of FY 2006 awardees are beginning their careers, with 43 percent having received their postgraduate degrees within the last 5 years, and 86 percent within the past 10 years.

MDs (including those with MD/PhD degrees) comprised 54 percent of the 1,651 awardees, while those with PhDs or other doctoral level degree comprised 46 percent of the total awards.

Forty-six percent of the 1,651 awardees had educational debt greater than \$50,000 with approximately three percent having debt levels greater than \$200,000.

Women received 52 percent (851) of the LRP awards. Minorities, including Asian/Pacific Islanders, African-Americans, Hispanics, and Native Americans, were recipients of 26 percent (427) of the 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:

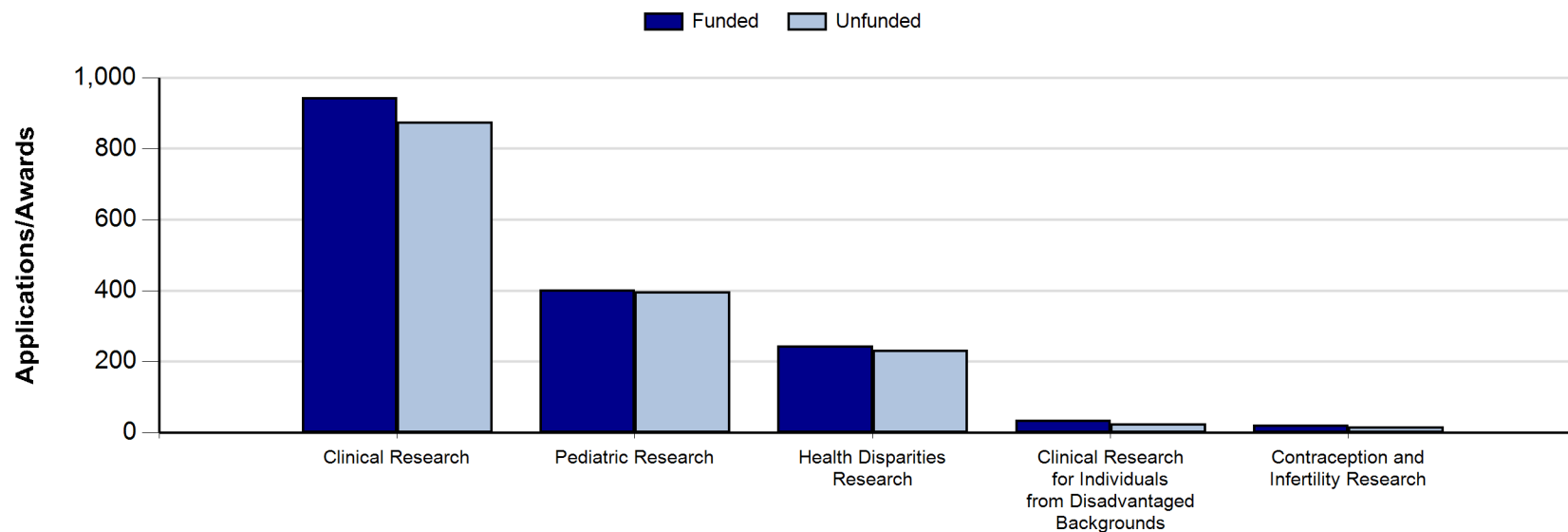
For this program, an individual from a disadvantaged background is defined according to low family income levels set by the U.S. Bureau of the Census – as published in the Federal Register.

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:

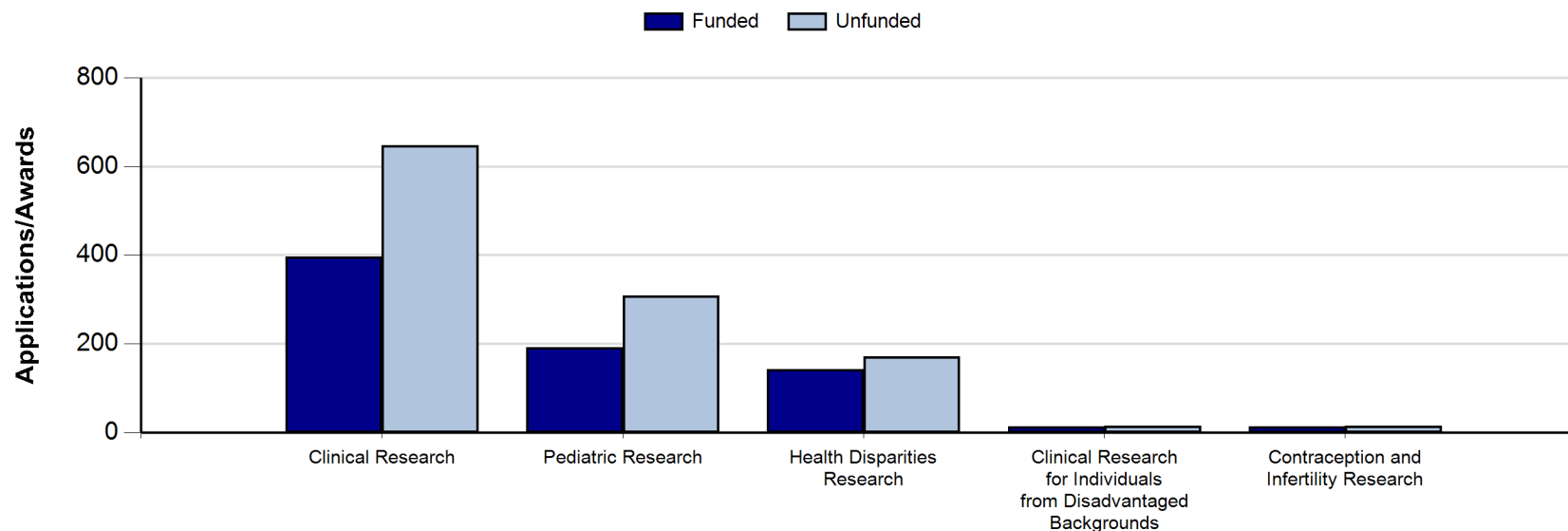
Contraception research is defined as research whose ultimate goal is to provide new or improved methods of preventing pregnancy. Infertility research is defined as research whose long-range objective is to evaluate, treat, or ameliorate conditions which result in the failure of couples to either conceive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

## Funded and Unfunded Applications by Program (New + Renewal)



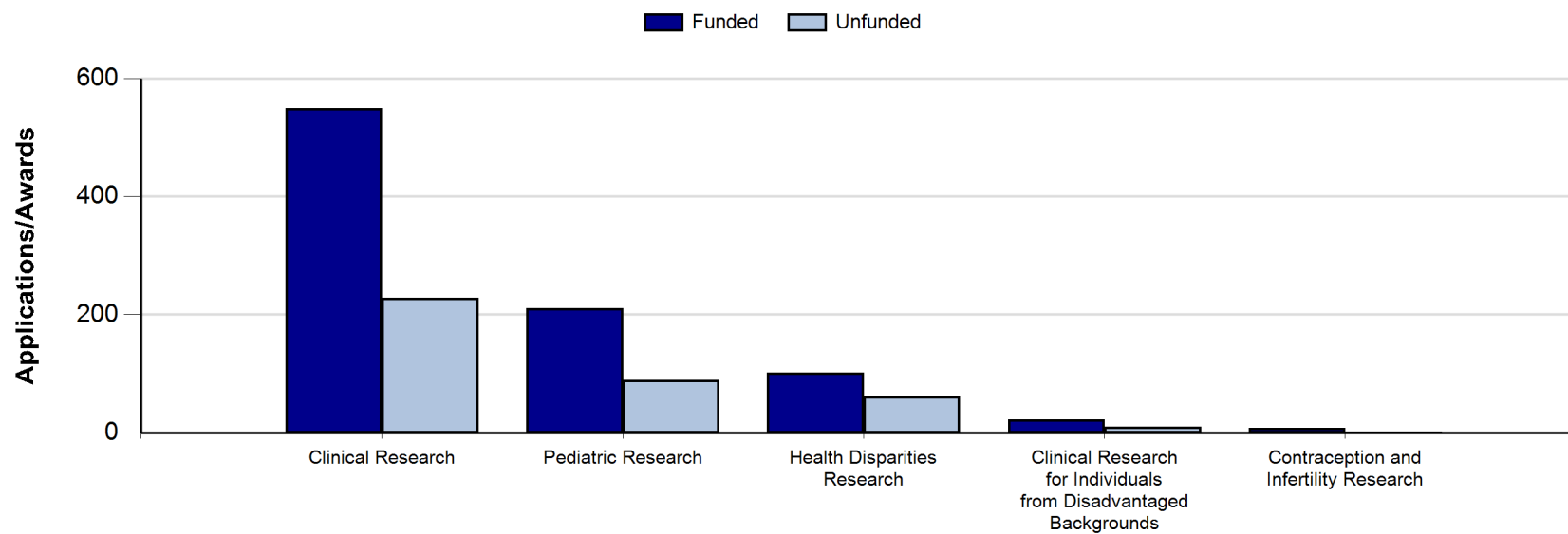
Applications, N	1,821		801		478		61		39	
Funded n, %	945	52	403	50	245	51	36	59	22	56
Unfunded n, %	876	48	398	50	233	49	25	41	17	44

## Funded and Unfunded Applications by Program (New)



Applications, N	1,044		501		314		28		29	
Funded n, %	396	38	192	38	143	46	13	46	14	48
Unfunded n, %	648	62	309	62	171	54	15	54	15	52

## Funded and Unfunded Applications by Program (Renewal)



Applications, N	777		300		164		33		10	
Funded, n, %	549	71	211	70	102	62	23	70	8	80
Unfunded, n, %	228	29	89	30	62	38	10	30	2	20



## 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	1,821	945	52	1,044	396	38	777	549	71
Pediatric Research	801	403	50	501	192	38	300	211	70
Health Disparities Research	478	245	51	314	143	46	164	102	62
Clinical Research for Individuals from Disadvantaged Backgrounds	61	36	59	28	13	46	33	23	70
Contraception and Infertility Research	39	22	56	29	14	48	10	8	80
<b>Total</b>	<b>3,200</b>	<b>1,651</b>	<b>52</b>	<b>1,916</b>	<b>758</b>	<b>40</b>	<b>1,284</b>	<b>893</b>	<b>70</b>

## Funding by Program (New + Renewal)

LRP	Awards	Funding	Mean Award	Standard Deviation
Clinical Research	945	\$40,021,349	\$42,351	\$31,300
Pediatric Research	403	\$18,996,041	\$47,137	\$34,071
Health Disparities Research	245	\$9,946,677	\$40,599	\$30,334
Clinical Research for Individuals from Disadvantaged Backgrounds	36	\$1,371,604	\$38,100	\$29,032
Contraception and Infertility Research	22	\$1,009,755	\$45,898	\$35,609
<b>Total</b>	<b>1,651</b>	<b>\$71,345,426</b>	<b>\$43,213</b>	<b>\$31,926</b>

## Funding by Program (New)

LRP	Awards	Funding	Mean Award	Standard Deviation
Clinical Research	396	\$23,512,230	\$59,374	\$31,926
Pediatric Research	192	\$12,350,620	\$64,326	\$32,073
Health Disparities Research	143	\$7,043,734	\$49,257	\$30,739
Clinical Research for Individuals from Disadvantaged Backgrounds	13	\$811,354	\$62,412	\$30,936
Contraception and Infertility Research	14	\$685,511	\$48,965	\$36,288
<b>Total</b>	<b>758</b>	<b>\$44,403,448</b>	<b>\$58,580</b>	<b>\$32,148</b>

## Funding by Program (Renewal)

LRP	Awards	Funding	Mean Award	Standard Deviation
Clinical Research	549	\$16,509,120	\$30,071	\$24,341
Pediatric Research	211	\$6,645,422	\$31,495	\$27,759
Health Disparities Research	102	\$2,902,943	\$28,460	\$25,290
Clinical Research for Individuals from Disadvantaged Backgrounds	23	\$560,250	\$24,359	\$16,498
Contraception and Infertility Research	8	\$324,244	\$40,530	\$36,150
<b>Total</b>	<b>893</b>	<b>\$26,941,977</b>	<b>\$30,170</b>	<b>\$25,247</b>

## Funding by NIH Institutes and Centers (New)

IC	Awards	Funding	Mean Award	Standard Deviation
NCMHD	156	\$7,855,088	\$50,353	\$30,871
NHLBI	90	\$6,002,800	\$66,698	\$31,736
NCI	81	\$4,903,177	\$60,533	\$33,377
NIMH	64	\$3,151,880	\$49,248	\$30,422
NICHD	63	\$3,965,019	\$62,937	\$31,627
NIAID	52	\$3,629,247	\$69,793	\$32,628
NIDDK	46	\$3,070,776	\$66,756	\$27,571
NIDA	36	\$2,124,361	\$59,010	\$31,291
NIA	24	\$1,290,738	\$53,781	\$28,198
NIAMS	22	\$1,319,012	\$59,955	\$33,423
NINDS	21	\$1,253,899	\$59,709	\$37,724
NEI	19	\$994,286	\$52,331	\$33,750
NIAAA	19	\$982,422	\$51,706	\$27,876
NCRR	17	\$1,231,410	\$72,436	\$27,902
NIDCD	17	\$651,038	\$38,296	\$23,544
NIEHS	7	\$268,922	\$38,417	\$34,822
NIDCR	6	\$424,324	\$70,721	\$37,600
NIGMS	6	\$422,119	\$70,353	\$40,807
NLM	5	\$374,242	\$74,848	\$29,333
NCCAM	3	\$217,940	\$72,647	\$51,508
NIBIB	2	\$147,206	\$73,603	\$18,851
NHGRI	1	\$96,065	\$0	\$0
NINR	1	\$27,479	\$0	\$0
FIC	0	\$0	\$0	\$0
<b>Total</b>	<b>758</b>	<b>\$44,403,448</b>	<b>\$58,580</b>	<b>\$32,148</b>

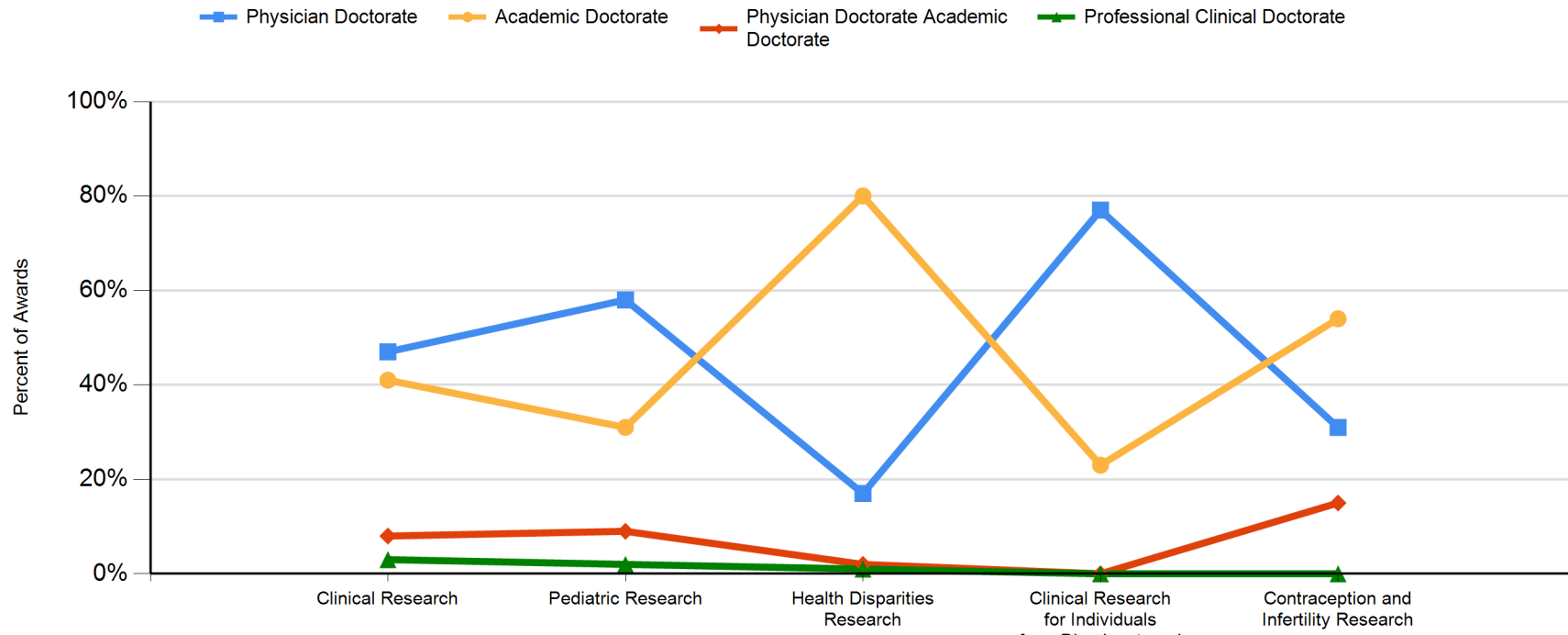
## Funding by NIH Institutes and Centers (Renewal)

IC	Awards	Funding	Mean Award	Standard Deviation
NCMHD	125	\$3,463,193	\$27,706	\$23,912
NHLBI	104	\$4,920,023	\$47,308	\$31,967
NCI	99	\$3,353,201	\$33,871	\$30,869
NIAID	92	\$2,061,379	\$22,406	\$15,902
NIMH	90	\$1,840,257	\$20,447	\$13,335
NIDA	61	\$1,354,735	\$22,209	\$14,638
NICHD	52	\$1,416,089	\$27,232	\$22,295
NCRR	41	\$1,605,388	\$39,156	\$29,544
NIA	41	\$1,198,875	\$29,241	\$25,233
NINDS	40	\$1,363,745	\$34,094	\$28,407
NIAAA	27	\$592,134	\$21,931	\$12,804
NIDDK	26	\$922,771	\$35,491	\$21,347
NEI	21	\$593,502	\$28,262	\$26,952
NIAMS	18	\$471,310	\$26,184	\$18,589
NIDCD	17	\$446,525	\$26,266	\$18,925
NIDCR	9	\$268,190	\$29,799	\$18,794
NIEHS	9	\$191,232	\$21,248	\$26,562
NIGMS	6	\$311,418	\$51,903	\$35,886
NCCAM	6	\$222,533	\$37,089	\$21,863
NHGRI	5	\$163,047	\$32,609	\$25,962
NINR	2	\$30,678	\$15,339	\$13,431
FIC	1	\$103,138	\$0	\$0
NLM	1	\$48,616	\$0	\$0
NIBIB	0	\$0	\$0	\$0
<b>Total</b>	<b>893</b>	<b>\$26,941,977</b>	<b>\$30,170</b>	<b>\$25,247</b>

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

Years Since Degree	Applications N	Awards n	Success rate %
<1 Year	37	12	32
1 to 5 Years	1,199	451	38
6 to 10 Years	573	262	46
11 to 15 Years	79	28	35
15+ Years	28	5	18
<b>Total</b>	<b>1,916</b>	<b>758</b>	<b>40</b>

## LRP Awards by Doctoral Degree (New)

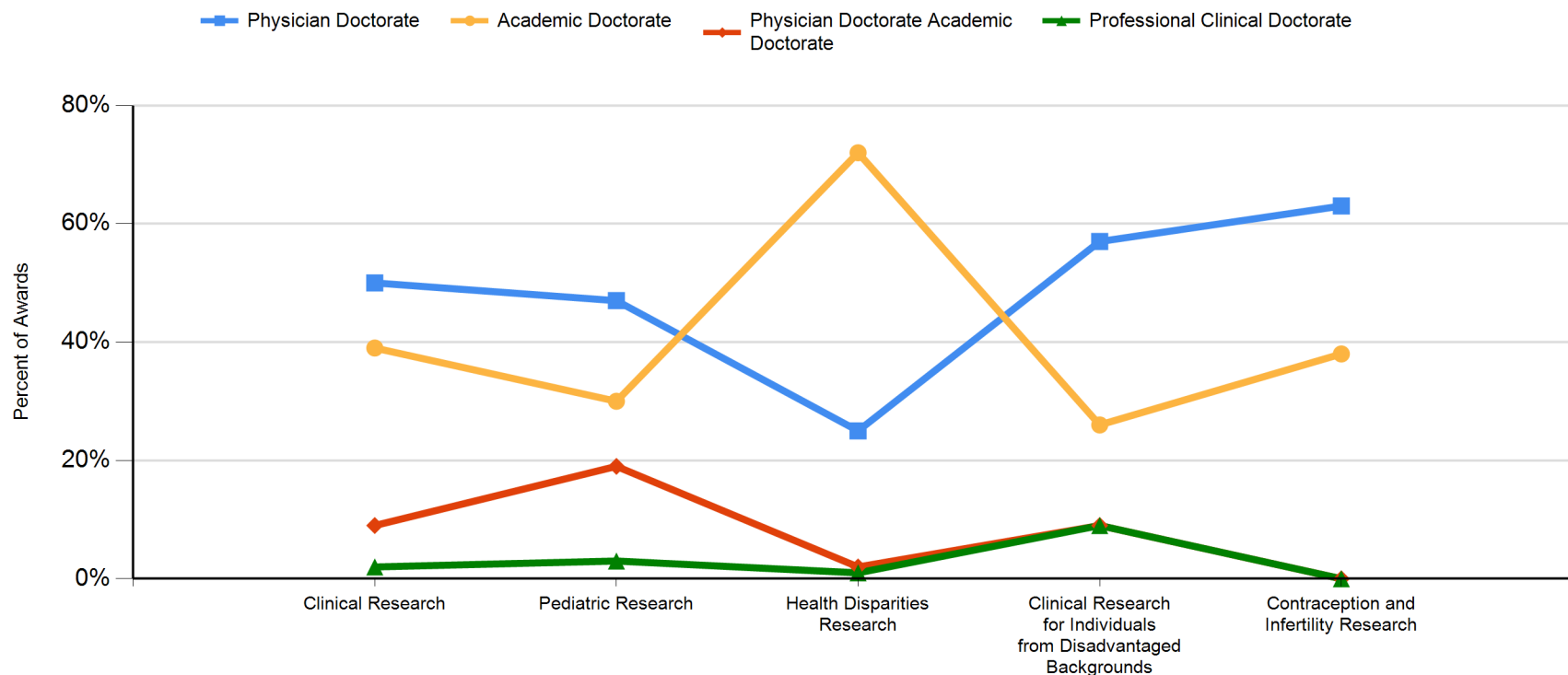


	Clinical Research		Pediatric Research		Health Disparities Research		Clinical Research for Individuals from Disadvantaged Backgrounds		Contraception and Infertility Research	
	n	%	n	%	n	%	n	%	n	%
Physician Doctorate	186	47	111	58	24	17	10	77	4	31
Academic Doctorate	164	41	60	31	115	80	3	23	7	54
Physician Doctorate/Academic Doctorate	33	8	18	9	3	2	0	0	2	15
Professional Clinical Doctorate	13	3	3	2	1	1	0	0	0	0

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



## LRP Awards by Doctoral Degree (Renewal)



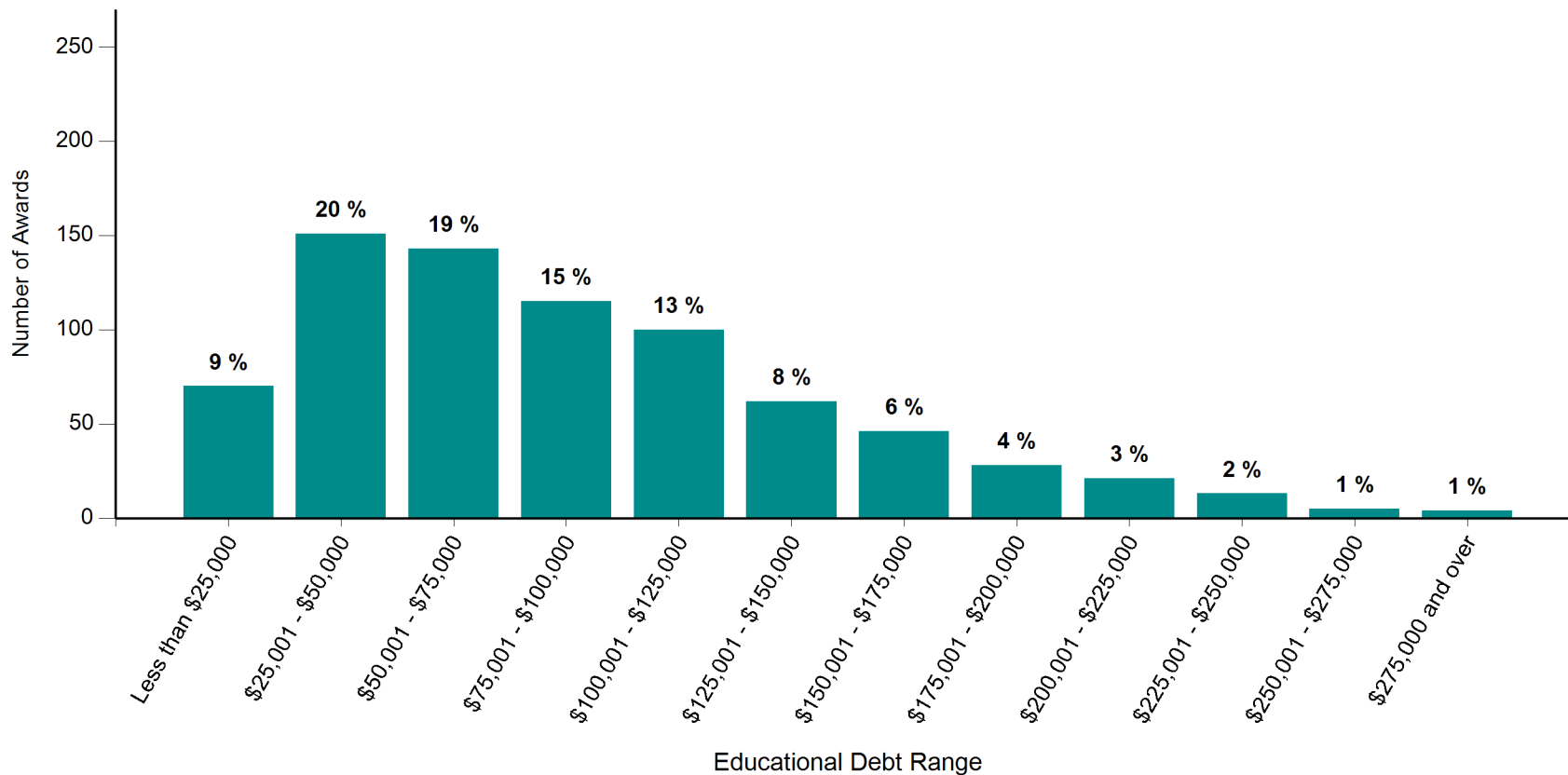
	n	%	n	%	n	%	n	%	n	%
Physician Doctorate	274	50	100	47	26	25	13	57	5	63
Academic Doctorate	215	39	64	30	73	72	6	26	3	38
Physician Doctorate/Academic Doctorate	48	9	40	19	2	2	2	9	0	0
Professional Clinical Doctorate	12	2	7	3	1	1	2	9	0	0

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	1,113	592	53
NIH and Non Profit	1,258	727	58
Non Profit Only	829	332	40
<b>Total</b>	<b>3,200</b>	<b>1,651</b>	<b>52</b>

### 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	492	8	0	0	0	0	500
Pediatric Research	190	8	0	0	0	0	198
Health Disparities Research	90	4	0	0	0	0	94
Clinical Research for Individuals from Disadvantaged Backgrounds	17	2	0	0	0	0	19
Contraception and Infertility Research	8	0	0	0	0	0	8
<b>Total</b>	<b>797</b>	<b>22</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>819</b>

## 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	954	506	53	867	439	51	54	46
Pediatric Research	358	193	54	443	210	47	48	52
Health Disparities Research	146	81	55	332	164	49	33	67
Clinical Research for Individuals from Disadvantaged Backgrounds	20	14	70	41	22	54	39	61
Contraception and Infertility Research	14	11	79	25	11	44	50	50
<b>Total</b>	<b>1,492</b>	<b>805</b>	<b>54</b>	<b>1,708</b>	<b>846</b>	<b>50</b>	<b>49</b>	<b>51</b>

## Awardee Demographics by Ethnicity (New + Renewal)

LRP	Awards	Hispanic or Latino		Not Hispanic or Latino	
	N	n	%	n	%
Clinical Research	945	41	4	904	96
Pediatric Research	403	14	3	389	97
Health Disparities Research	245	23	9	222	91
Clinical Research for Individuals from Disadvantaged Backgrounds	36	8	22	28	78
Contraception and Infertility Research	22	*	*	18	82
<b>Total</b>	<b>1,651</b>	<b>90</b>	<b>5</b>	<b>1,561</b>	<b>95</b>

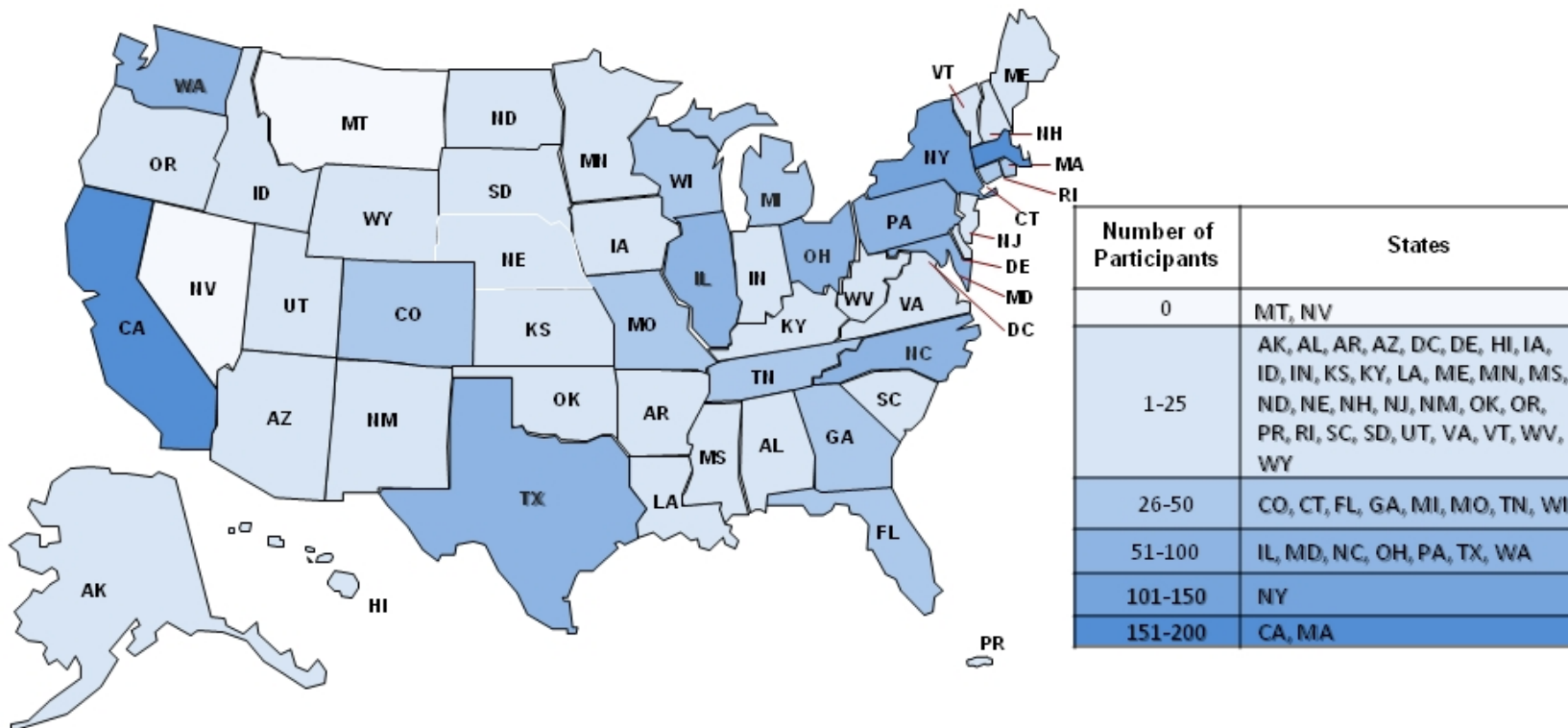
\*Restricted Data – small-sized groups cannot be reported due to participant confidentiality considerations.

## Awardee Demographics by Race (New + Renewal)

LRP	Awards N	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	945	*	*	29	3	111	12	*	*	679	72	8	1	116	12
Pediatric Research	403	*	*	9	2	39	10	*	*	302	75	*	*	48	12
Health Disparities Research	245	6	2	91	37	17	7	*	*	86	35	6	2	38	16
Clinical Research for Individuals from Disadvantaged Backgrounds	36	*	*	10	28	*	*	*	*	12	33	*	*	9	25
Contraception and Infertility Research	22	*	*	*	*	*	*	*	*	13	59	*	*	8	36
<b>Total</b>	<b>1,651</b>	<b>11</b>	<b>1</b>	<b>139</b>	<b>8</b>	<b>172</b>	<b>10</b>	<b>*</b>	<b>*</b>	<b>1,092</b>	<b>66</b>	<b>17</b>	<b>1</b>	<b>219</b>	<b>13</b>

\*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>**