



NIH LRP Trends Report

**Extramural Loan Repayment Programs (LRP)
Fiscal Years 2004-2013**

Revised: March 1, 2014

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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 Loan Repayment Programs

Facilitating the Path to a Biomedical Research Career

The National Institutes of Health (NIH) Extramural Loan Repayment Programs (LRP) help attract and retain early career health professionals by helping them to repay the high educational debt associated with medical education and training.

Since 1998, the U.S. Congress has created eight loan repayment programs administered by NIH -- three for individuals who conduct research as employees of the NIH (Intramural) and five for individuals who conduct research funded by domestic non-profit institutions or U.S. government organizations (Extramural). Extramural programs are available in five research areas: clinical, pediatric, health disparities, contraception and infertility, and clinical research for individuals from disadvantaged backgrounds.

The LRPs repay up to \$35,000 of eligible educational debt per year, and to be considered for these programs, applicants must commit to performing qualified research for at least two years. They must also possess a doctoral degree or advanced certification; have educational loan debt equal to at least 20 percent of their annual salary; conduct research for an average of at least 20 hours per week; and be a U.S. citizen or permanent resident. Awardees may apply for additional one- or two-year renewal awards as long as they continue to meet the eligibility requirements.

Acronyms

IC = NIH Institutes and Centers

LRP = Loan Repayment Program(s)

New = First award

Renew = Subsequent award(s)

Academic Doctorate = PhD, DrPH, EdD, or ScD degree

Physician Doctorate = MD or DO degree

Physician Doctorate + Academia Doctorate = dual MD/PhD degrees

Professional Clinical Doctorate = DDS, DMD, DVM, DPT, ND, OD, PharmD, or PsyD degrees

NIH Institutes and Centers (IC)

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 Institute of Biomedical Imaging and Bioengineering (NIBIB)
National Library of Medicine (NLM)
National Institute on Minority Health and Health Disparities (NIMHD)

Centers

John E. Fogarty International Center (FIC)
National Center for Complementary and Alternative Medicine (NCCAM)
National Center for Advancing Translational Sciences (NCATS; established in 2011)
National Center for Research Resources (NCRR; discontinued in 2011)
Clinical Center (CC)
Center for Information Technology (CIT)

Legislative History

1988

Public Law (PL) 100-67:

PHS Act, Sec. 487A (42 USC 288-1) authorizes the AIDS Research LRP (Intramural) – (AIDS-LRP)

1993

PL 103-43 - NIH Revitalization Act:

PHS Act, Sec. 487B (42 USC 288-2) authorizes the Contraception & Infertility Research LRP (CIR-LRP)

PL 103-43 – NIH Revitalization Act:

PHS Act, Sec. 487C (42 USC 288-3) authorizes the General Research LRP (Intramural) – (GR-LRP)

PL 103-43 – NIH Revitalization Act

PHS Act, Sec. 487E (42 USC 288-5) authorizes the Clinical Research LRP for Individuals from Disadvantaged Backgrounds (Intramural) – (CR-LRP)

2000

PL 106-310 - Children's Health Act of 2000:

PHS Act, Sec. 487F (42 USC 288-6) authorizes the Pediatric Research LRP (PR-LRP).

2001

PL 106-505 - Public Health Improvement Act:

PHS Act, Sec 487F (42 USC 288-5a) authorizes the Loan Repayment Program Regarding Clinical Researchers (LRP-CR)

PL 106-525 - Minority Health and Health Disparities Research & Education Act:

PHS Act, Sec 485G (42 USC 287c-33) authorizes the Health Disparities LRP (HD-LRP)

PL 106-554 - Consolidated Appropriations Act of 2001:

PHS Act, Sec. 487E expanded to include non-NIH employees, authorizing the Extramural Clinical Research for Individuals from Disadvantaged Backgrounds (ECR-LRP)

Executive Summary

- The NIH LRP have made approximately 15,508 awards totaling more than \$714 million.
- 26 NIH Institutes and Centers have distributed awards. Since 2003, the National Cancer Institute (NCI), National Heart, Lung, and Blood Institute (NHLBI), National Institute on Minority Health and Health Disparities (NIHMD), National Institute of Allergy and Infectious Diseases (NIAID) and National Institute of Child Health and Human Development (NICHD) have each contributed more than \$50 million to the LRPs.*
- Applicants' overall success rate is 50 percent. Thirty-nine percent of new and 69 percent of renewal applicants have received awards.
- Of the 5 programs, Clinical Research and Pediatric Research are the largest and account for nearly 81 percent of all awards.
- Applications grew by 32 percent from 2004 to 2005, but have been stable since 2005.
- The average debt of new award recipients is \$95,235. Over 40 percent of new awardees have reported more than \$100,000 of eligible educational debt.
- Overall, men and women have been equally competitive. However, more women have received awards from the Health Disparities Research LRP.

** For a full list of NIH Institutes and Centers, please see page 6.*

The Five Extramural Loan Repayment Programs

Clinical Research

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

Qualified Pediatric Research is defined as research directly related to diseases, disorders, and other conditions in children.

Health Disparities Research

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

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.

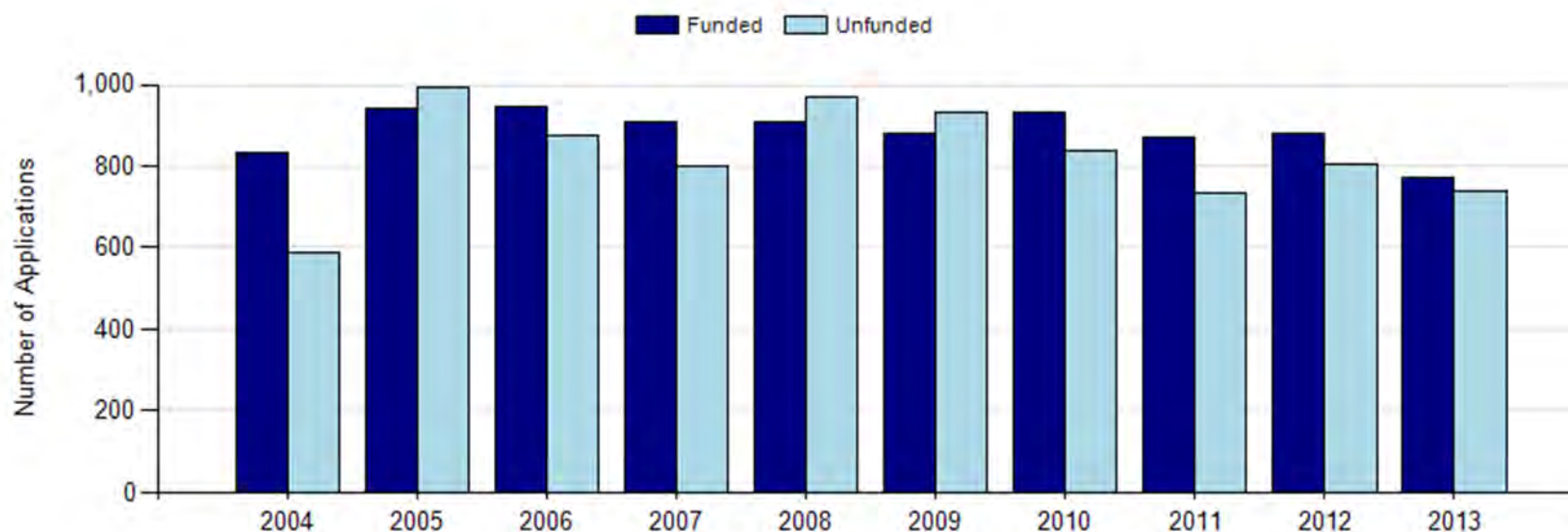
To meet this low-income requirement candidates must demonstrate their disadvantaged status by submitting (1) a written statement from former school(s) where he/she qualified for Federal disadvantaged assistance, (2) verification of receipt of loans from either the Health Professions Student Loans (HPSL) 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

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 (New + Renewal)

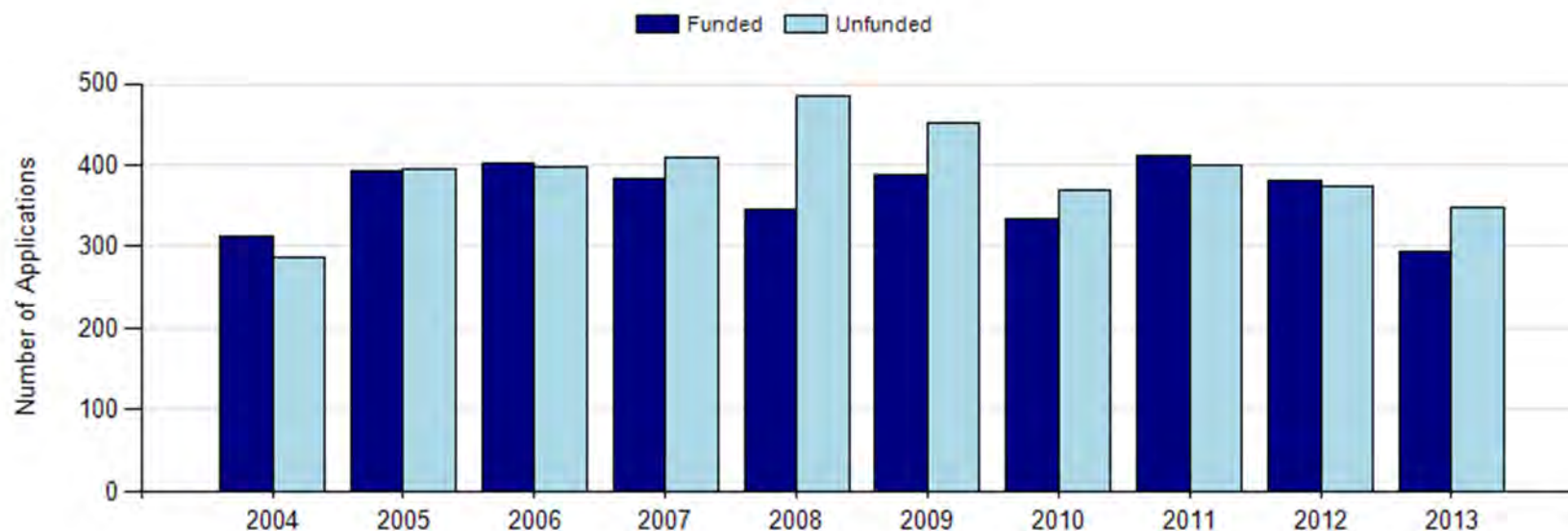
Clinical Research



Total, N	1,420	1,937	1,821	1,711	1,881	1,810	1,772	1,604	1,685	1,508
Funded, n, %	834 59	942 49	945 52	909 53	909 48	879 49	934 53	872 54	882 52	771 51
Unfunded, n, %	586 41	995 51	876 48	802 47	972 52	931 51	838 47	732 46	803 48	737 49

Funded and Unfunded Applications (New + Renewal)

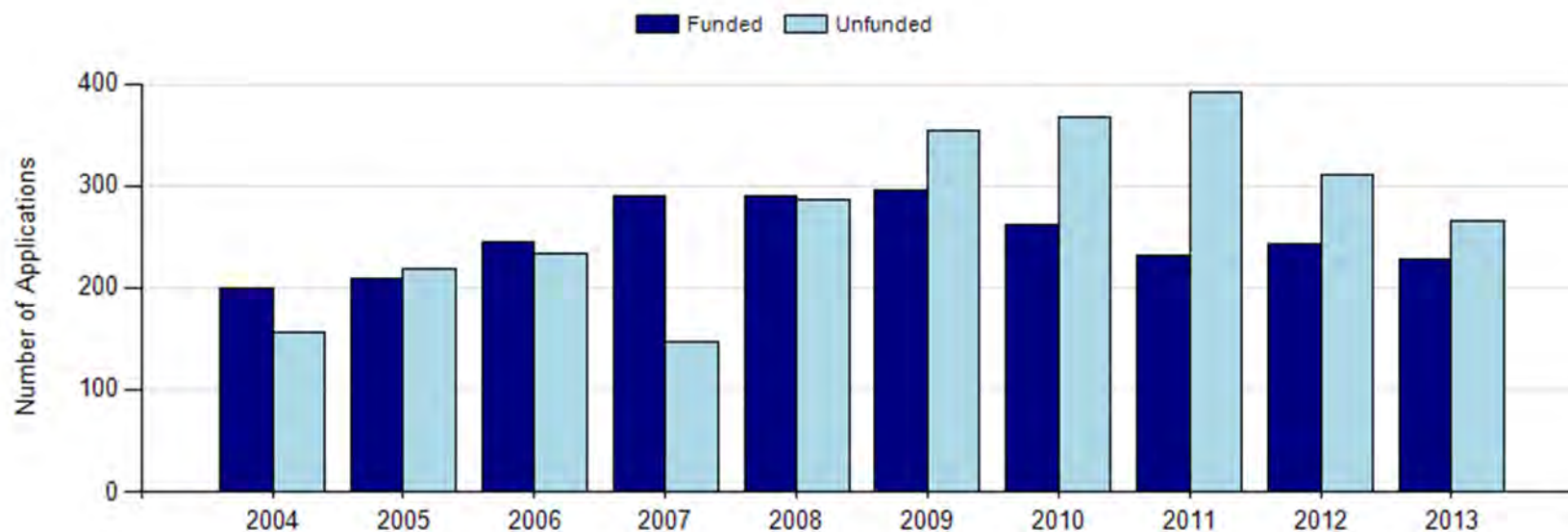
Pediatric Research



Total, N	601		789		801		793		833		841		705		813		757		642	
Funded, n, %	313	52	393	50	403	50	383	48	347	42	388	46	335	48	412	51	382	50	294	46
Unfunded, n, %	288	48	396	50	398	50	410	52	486	58	453	54	370	52	401	49	375	50	348	54

Funded and Unfunded Applications (New + Renewal)

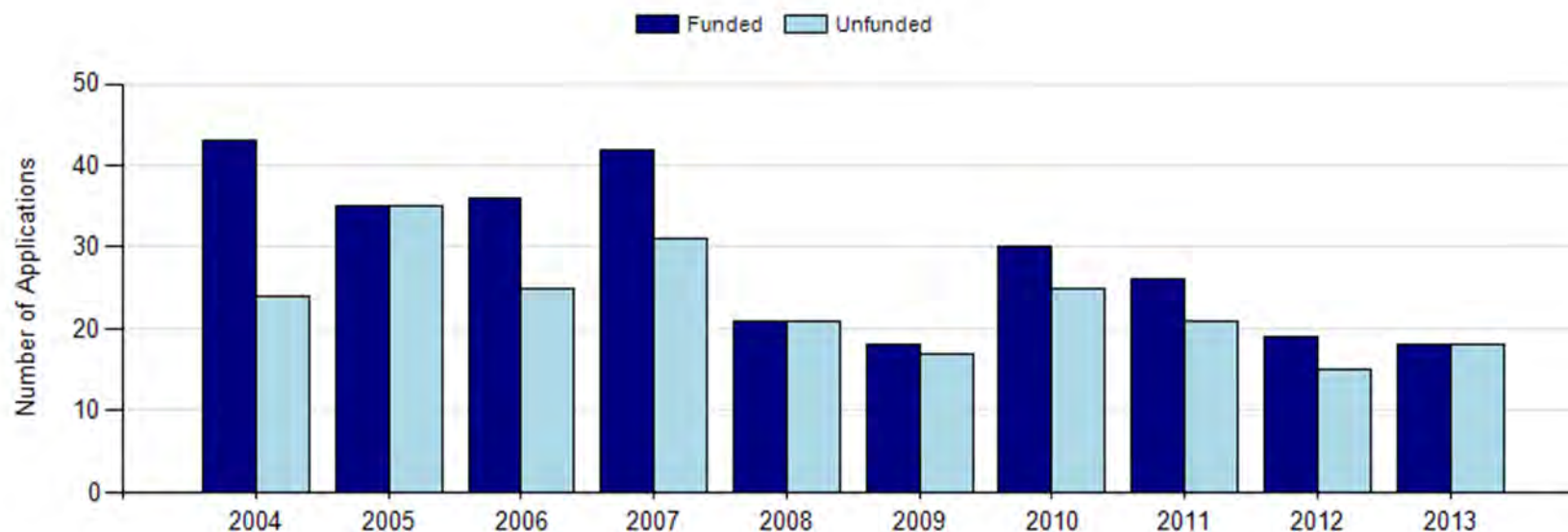
Health Disparities Research



Total, N	356		427		478		435		575		649		630		623		553		493	
Funded, n, %	200	56	208	49	245	51	289	66	289	50	295	45	262	42	232	37	242	44	228	46
Unfunded, n, %	156	44	219	51	233	49	146	34	286	50	354	55	368	58	391	63	311	56	265	54

Funded and Unfunded Applications (New + Renewal)

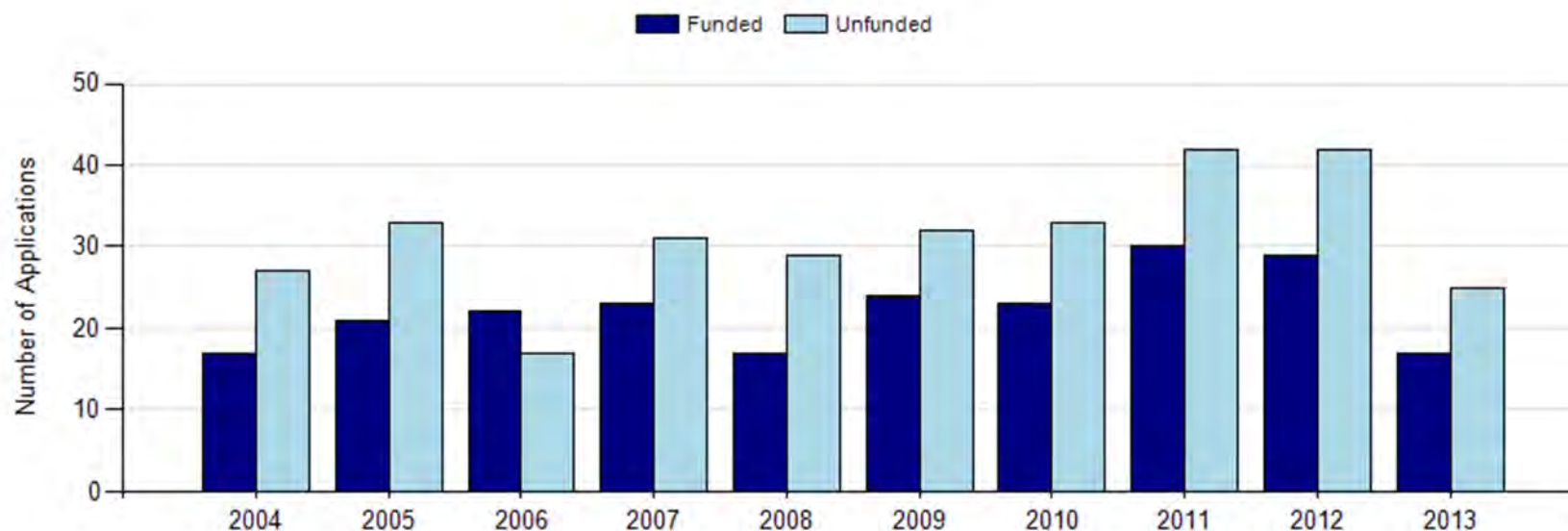
Clinical Research for Individuals from Disadvantaged Backgrounds



Total, N	67		70		61		73		42		35		55		47		34		36	
Funded, n, %	43	64	35	50	36	59	42	58	21	50	18	51	30	55	26	55	19	56	18	50
Unfunded, n, %	24	36	35	50	25	41	31	42	21	50	17	49	25	45	21	45	15	44	18	50

Funded and Unfunded Applications (New + Renewal)

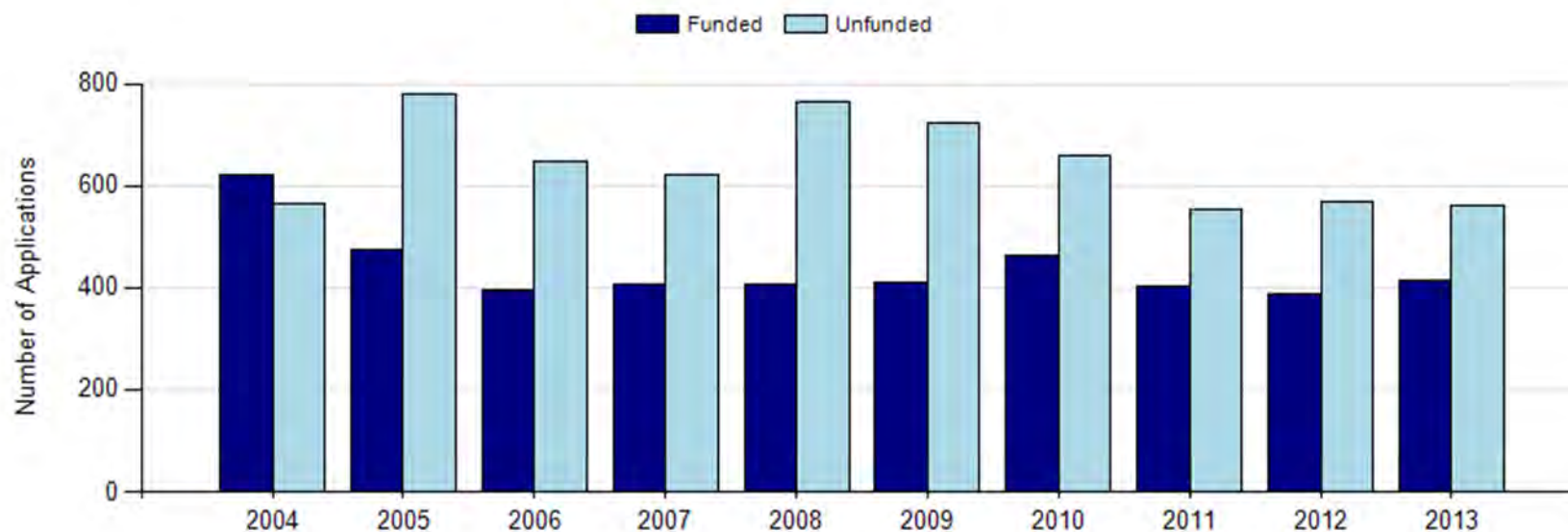
Contraception and Infertility Research



Total, N	44	54	39	54	46	56	56	72	71	42
Funded, n, %	17 39	21 39	22 56	23 43	17 37	24 43	23 41	30 42	29 41	17 40
Unfunded, n, %	27 61	33 61	17 44	31 57	29 63	32 57	33 59	42 58	42 59	25 60

Funded and Unfunded Applications (New)

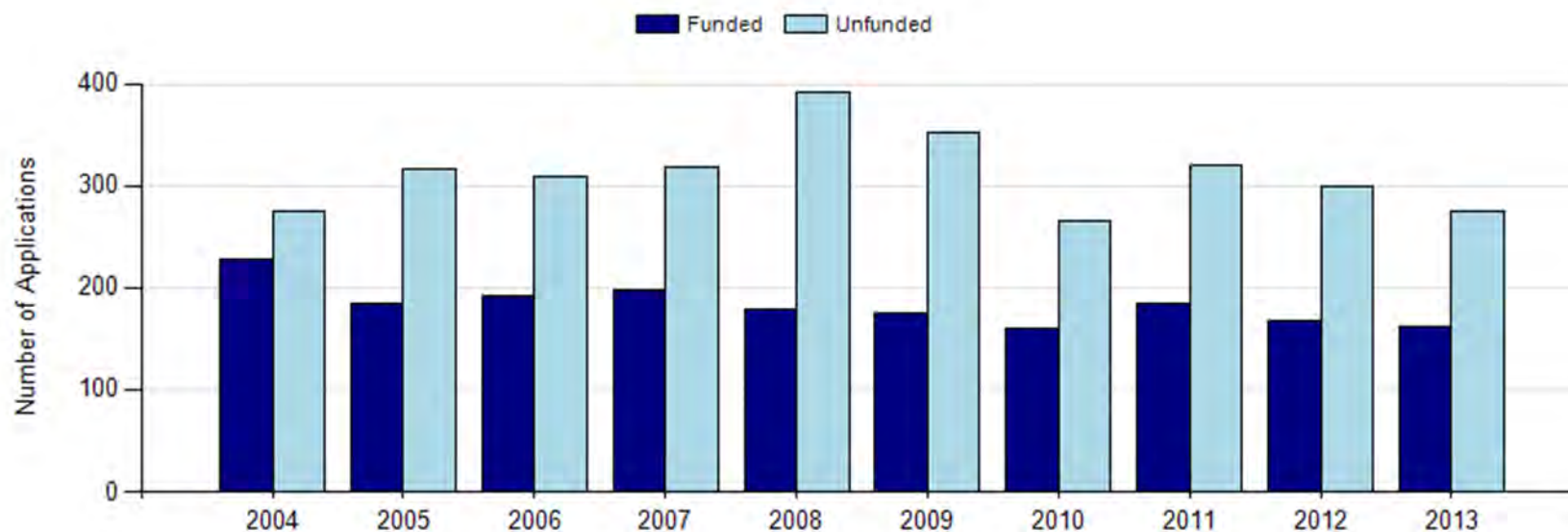
Clinical Research



Total, N	1,185		1,255		1,044		1,026		1,171		1,135		1,124		959		959		977	
Funded, n, %	622	52	476	38	396	38	406	40	407	35	410	36	464	41	404	42	389	41	415	42
Unfunded, n, %	563	48	779	62	648	62	620	60	764	65	725	64	660	59	555	58	570	59	562	58

Funded and Unfunded Applications (New)

Pediatric Research

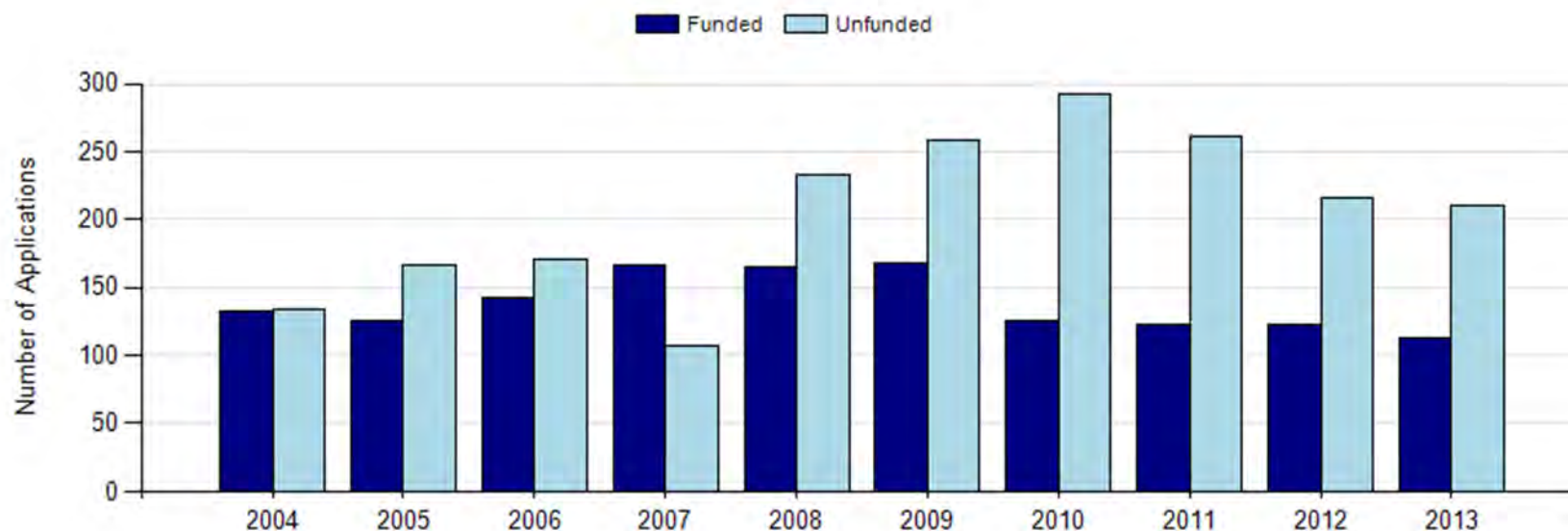


Total, N	502	500	501	517	571	528	424	506	467	436
Funded, n, %	228 45	184 37	192 38	198 38	179 31	175 33	159 38	185 37	168 36	161 37
Unfunded, n, %	274 55	316 63	309 62	319 62	392 69	353 67	265 63	321 63	299 64	275 63

Note: Percents do not total to 100 due to rounding error.

Funded and Unfunded Applications (New)

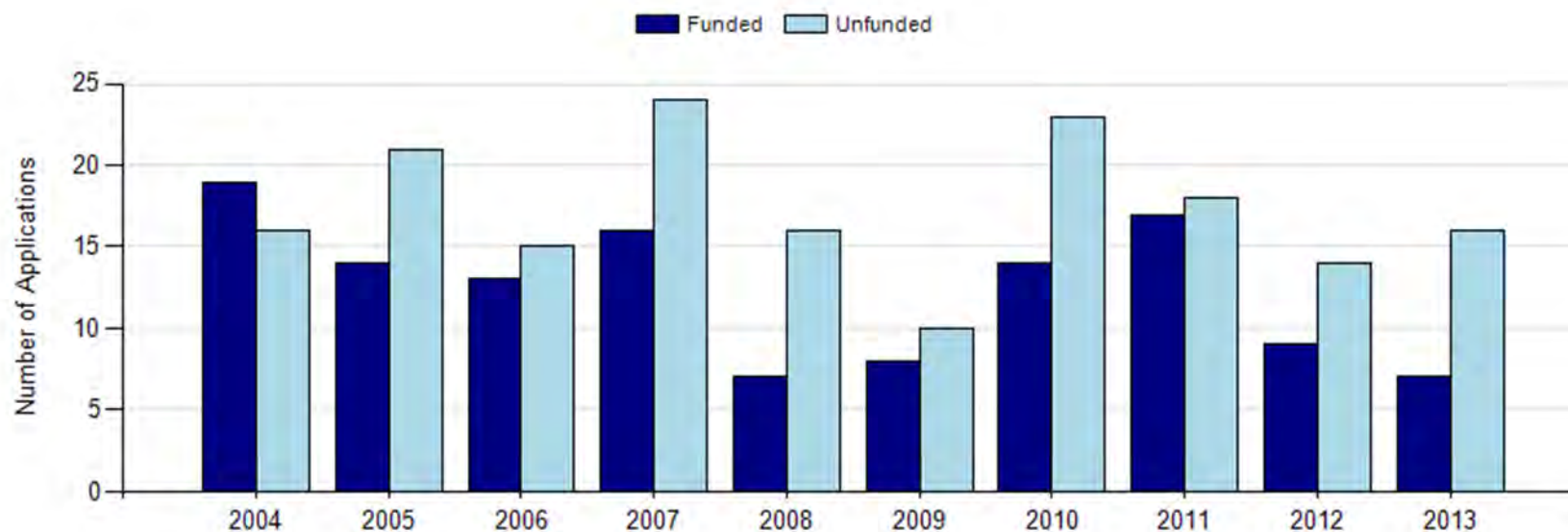
Health Disparities Research



Total, N	266		292		314		274		398		426		419		383		338		324	
Funded, n, %	132	50	126	43	143	46	167	61	165	41	168	39	126	30	122	32	122	36	113	35
Unfunded, n, %	134	50	166	57	171	54	107	39	233	59	258	61	293	70	261	68	216	64	211	65

Funded and Unfunded Applications (New)

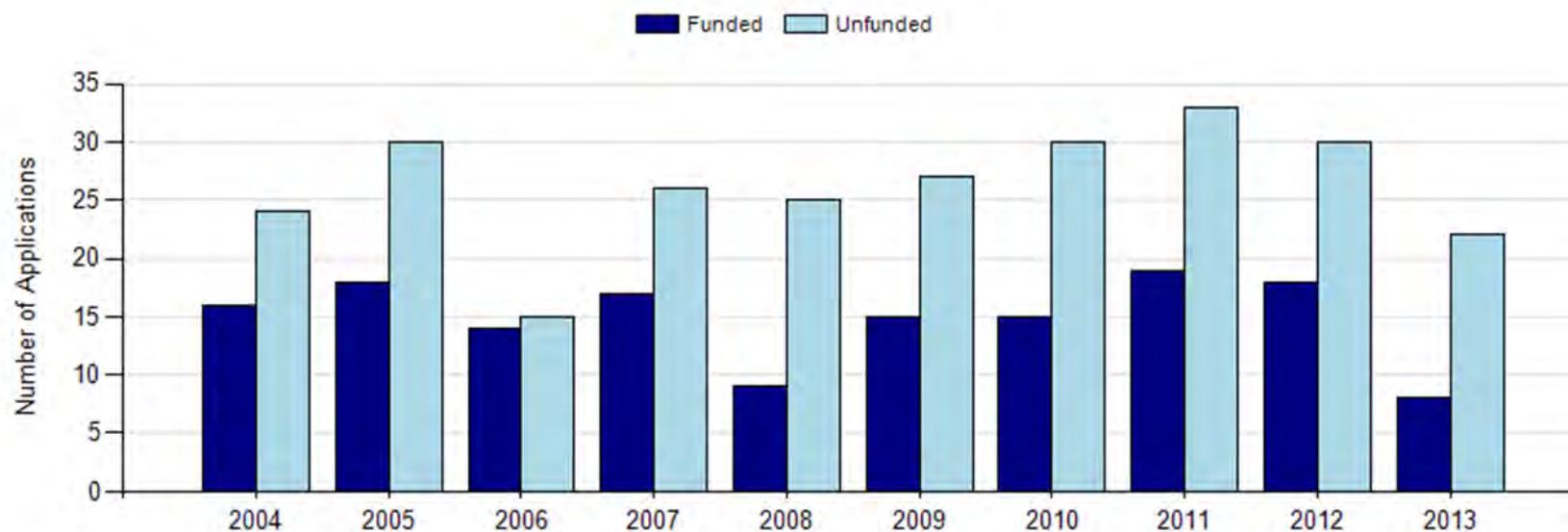
Clinical Research for Individuals from Disadvantaged Backgrounds



Total, N	35		35		28		40		23		18		37		35		23		23	
Funded, n, %	19	54	14	40	13	46	16	40	7	30	8	44	14	38	17	49	9	39	7	30
Unfunded, n, %	16	46	21	60	15	54	24	60	16	70	10	56	23	62	18	51	14	61	16	70

Funded and Unfunded Applications (New)

Contraception and Infertility Research

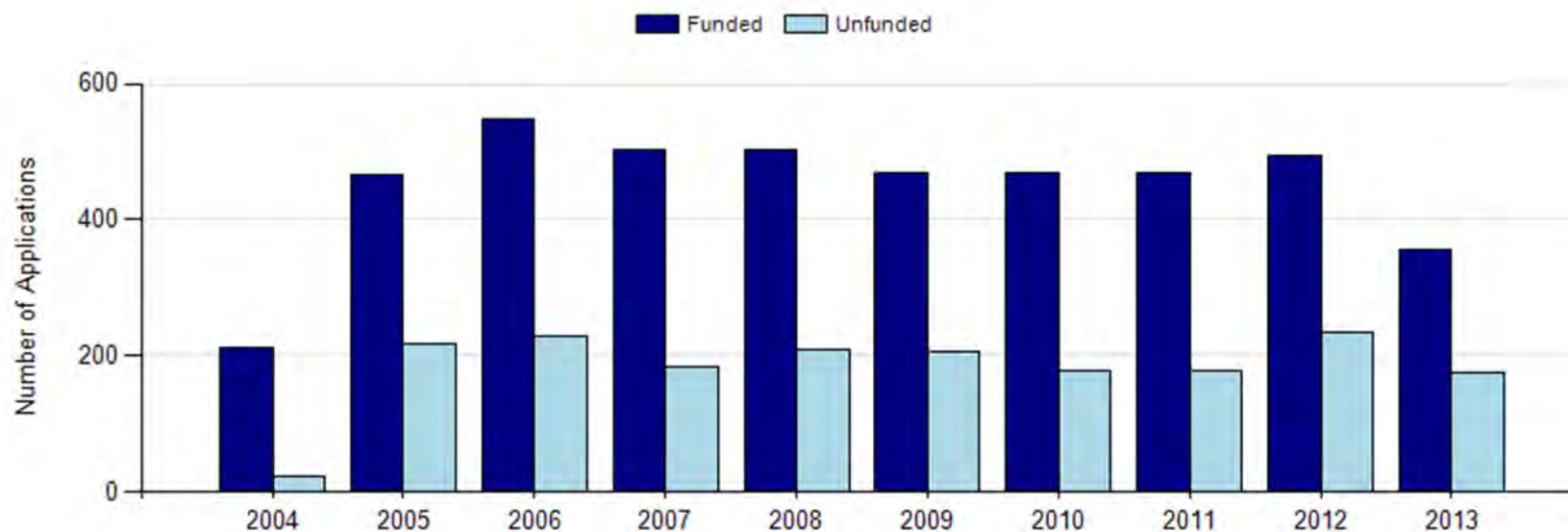


Total, N	40		48		29		43		34		42		45		52		48		30	
Funded, n, %	16	40	18	38	14	48	17	40	9	26	15	36	15	33	19	37	18	38	8	27
Unfunded, n, %	24	60	30	63	15	52	26	60	25	74	27	64	30	67	33	63	30	63	22	73

Note: Percents do not total to 100 due to rounding error.

Funded and Unfunded Applications (Renewal)

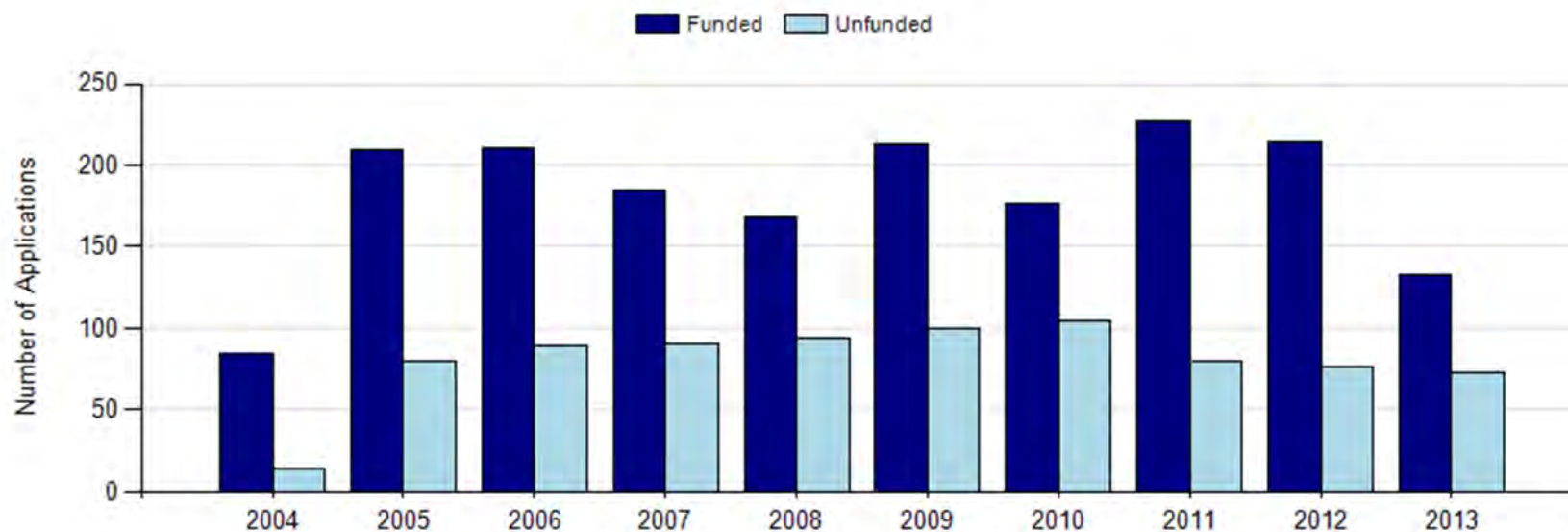
Clinical Research



Total, N	235		682		777		685		710		675		648		645		726		531	
Funded, n, %	212	90	466	68	549	71	503	73	502	71	469	69	470	73	468	73	493	68	356	67
Unfunded, n, %	23	10	216	32	228	29	182	27	208	29	206	31	178	27	177	27	233	32	175	33

Funded and Unfunded Applications (Renewal)

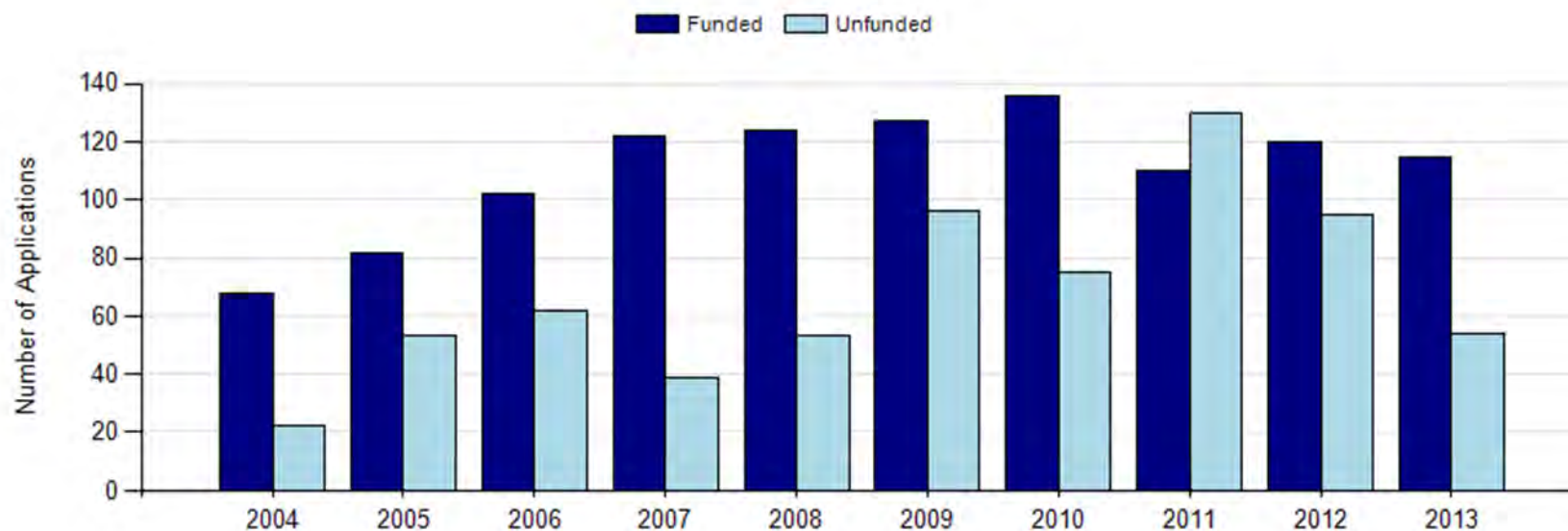
Pediatric Research



Total, N	99		289		300		276		262		313		281		307		290		206	
Funded, n, %	85	86	209	72	211	70	185	67	168	64	213	68	176	63	227	74	214	74	133	65
Unfunded, n, %	14	14	80	28	89	30	91	33	94	36	100	32	105	37	80	26	76	26	73	35

Funded and Unfunded Applications (Renewal)

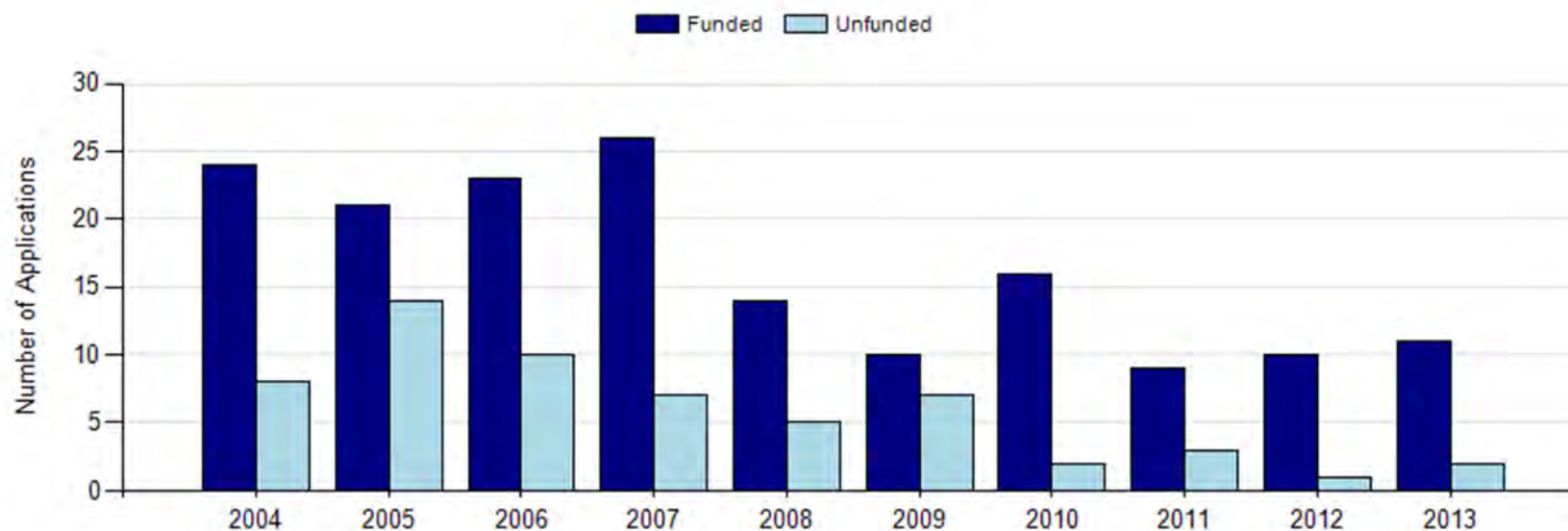
Health Disparities Research



Total, N	90		135		164		161		177		223		211		240		215		169	
Funded, n, %	68	76	82	61	102	62	122	76	124	70	127	57	136	64	110	46	120	56	115	68
Unfunded, n, %	22	24	53	39	62	38	39	24	53	30	96	43	75	36	130	54	95	44	54	32

Funded and Unfunded Applications (Renewal)

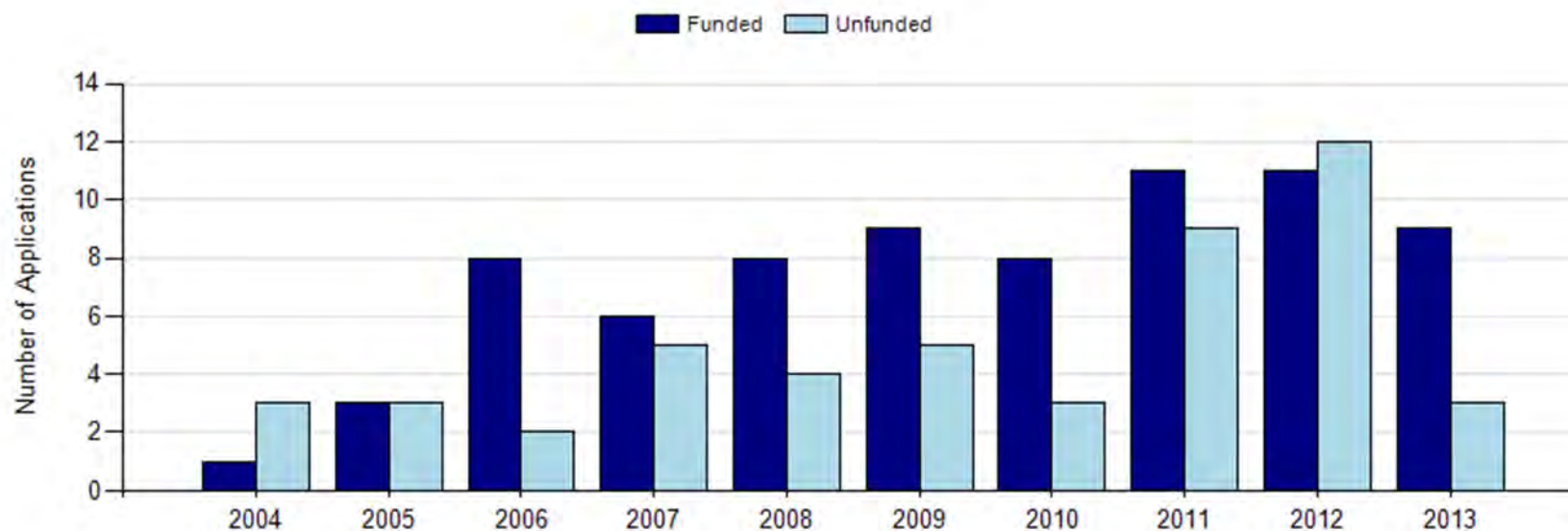
Clinical Research for Individuals from Disadvantaged Backgrounds



Total, N	32		35		33		33		19		17		18		12		11		13	
Funded, n, %	24	75	21	60	23	70	26	79	14	74	10	59	16	89	9	75	10	91	11	85
Unfunded, n, %	8	25	14	40	10	30	7	21	5	26	7	41	2	11	3	25	1	9	2	15

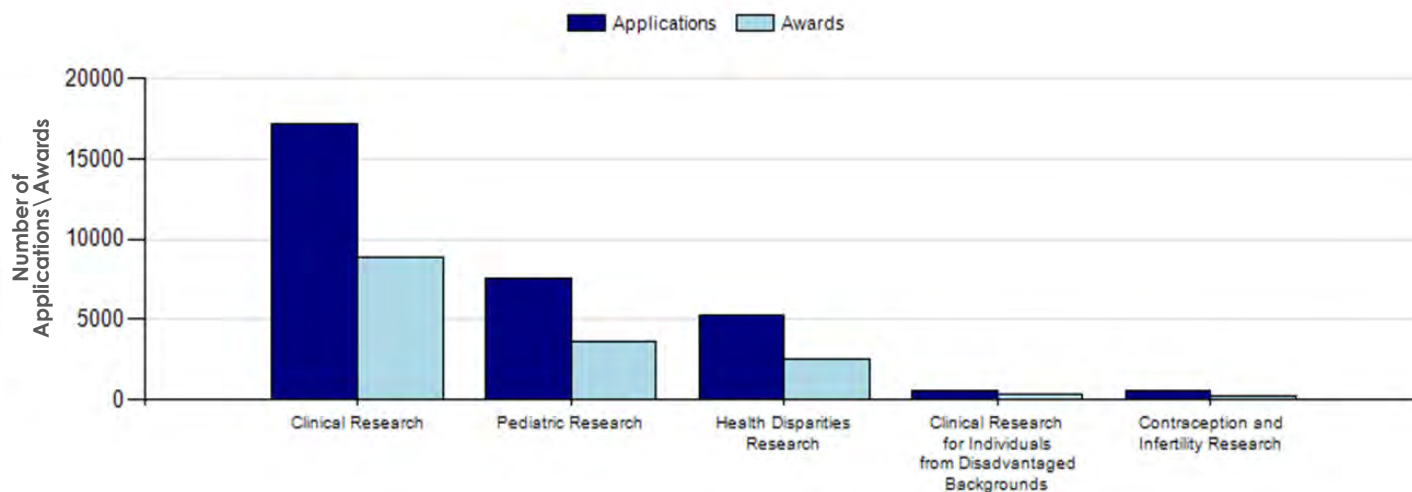
Funded and Unfunded Applications (Renewal)

Contraception and Infertility Research



Total, N	4	6	10	11	12	14	11	20	23	12
Funded, n, %	1 25	3 50	8 80	6 55	8 67	9 64	8 73	11 55	11 48	9 75
Unfunded, n, %	3 75	3 50	2 20	5 45	4 33	5 36	3 27	9 45	12 52	3 25

Applications and Awards by LRP (New + Renewal)



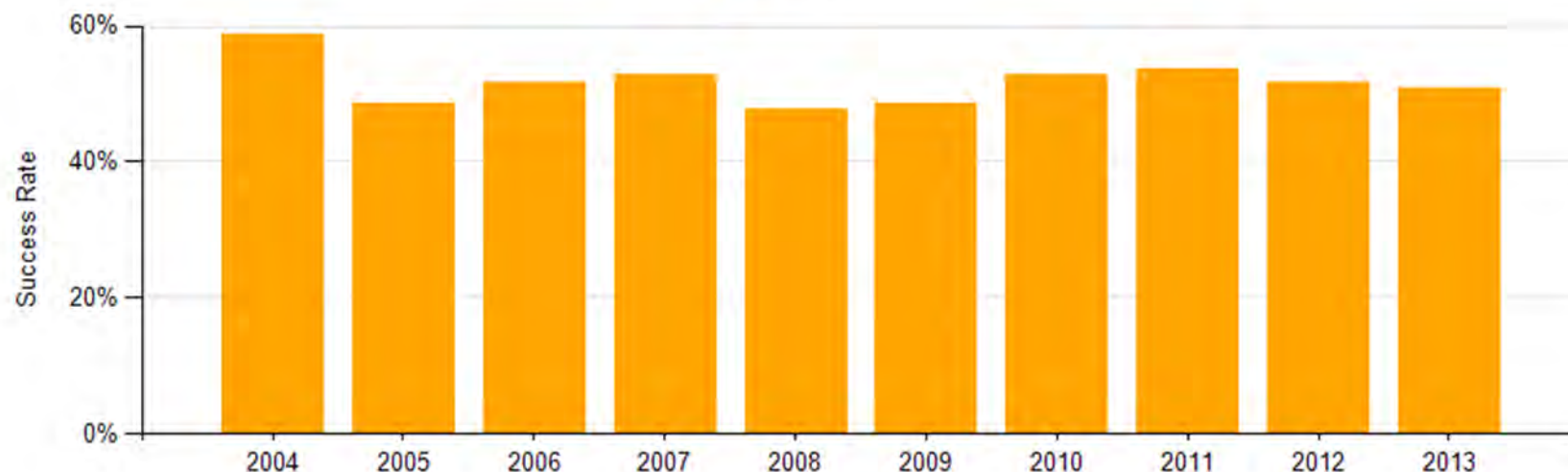
						Totals
Total Number of Applications	17,149	7,575	5,219	520	534	30,997
Percent of Total Applications	55	24	17	2	2	100
Total Number of Awards	8,877	3,650	2,490	288	223	15,528
Percent of Total Awards	57	24	16	2	1	100

Applications Success Rate (New + Renewal)

Clinical Research

Total Applications: 17,149
Total Awards: 8,877
Success Rate: 52%

Success Rate



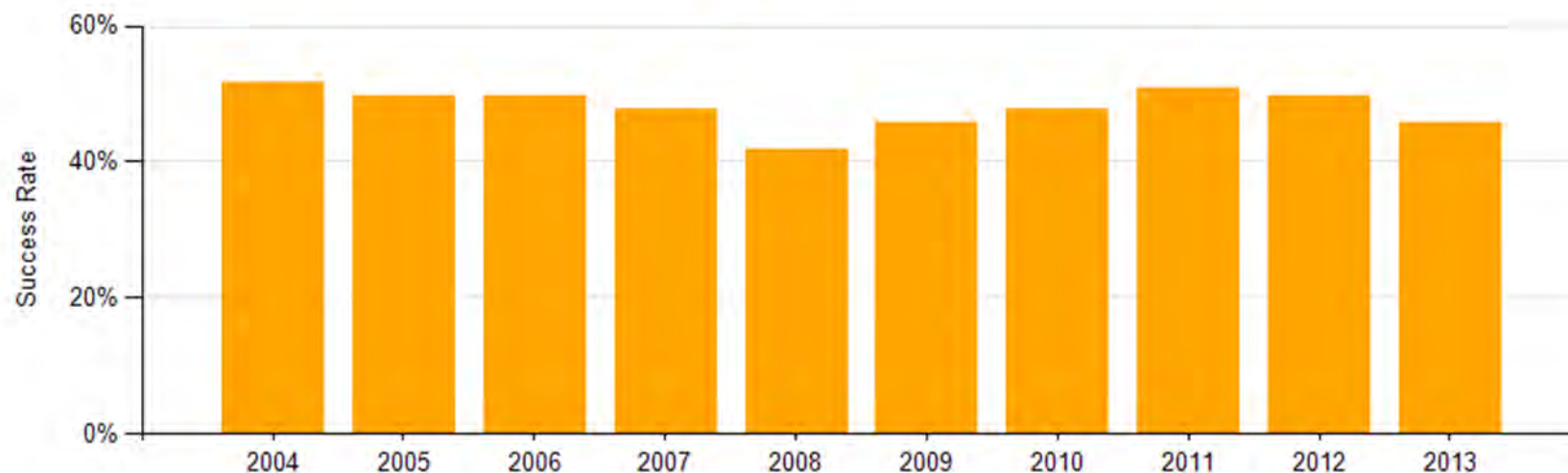
Applications, N	1,420	1,937	1,821	1,711	1,881	1,810	1,772	1,604	1,685	1,508
Awards, n	834	942	945	909	909	879	934	872	882	771
Success rate, %	59	49	52	53	48	49	53	54	52	51

Applications Success Rate (New + Renewal)

Pediatric Research

Total Applications: 7,575
Total Awards: 3,650
Success Rate: 48%

Success Rate



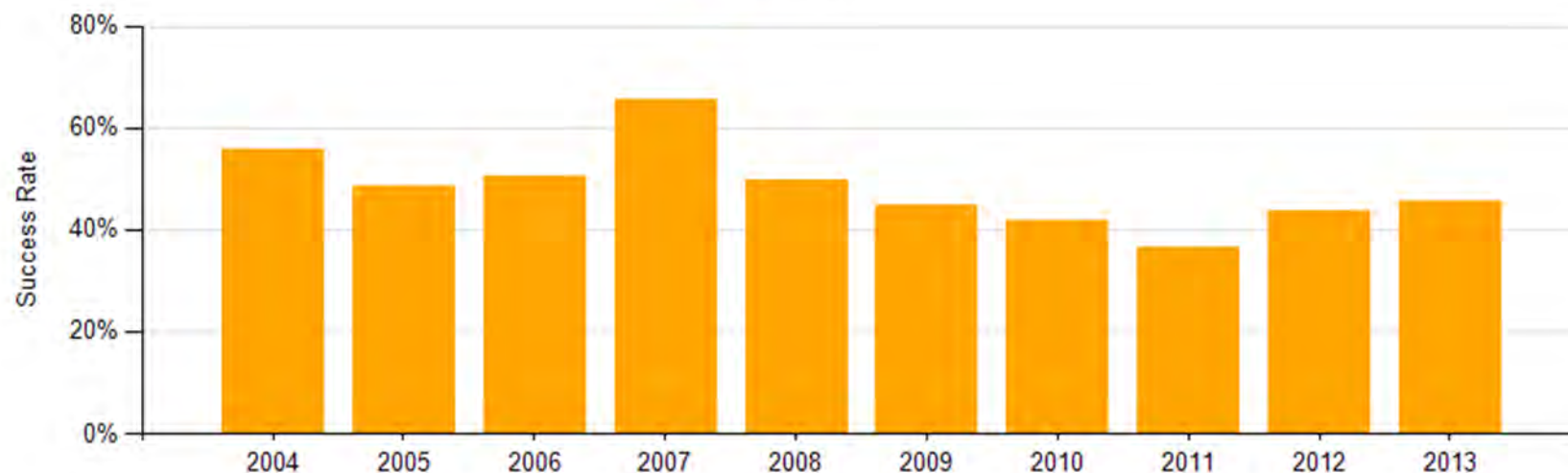
Applications, N	601	789	801	793	833	841	705	813	757	642
Awards, n	313	393	403	383	347	388	335	412	382	294
Success rate, %	52	50	50	48	42	46	48	51	50	46

Applications Success Rate (New + Renewal)

Health Disparities Research

Total Applications: 5,219
Total Awards: 2,490
Success Rate: 48%

Success Rate



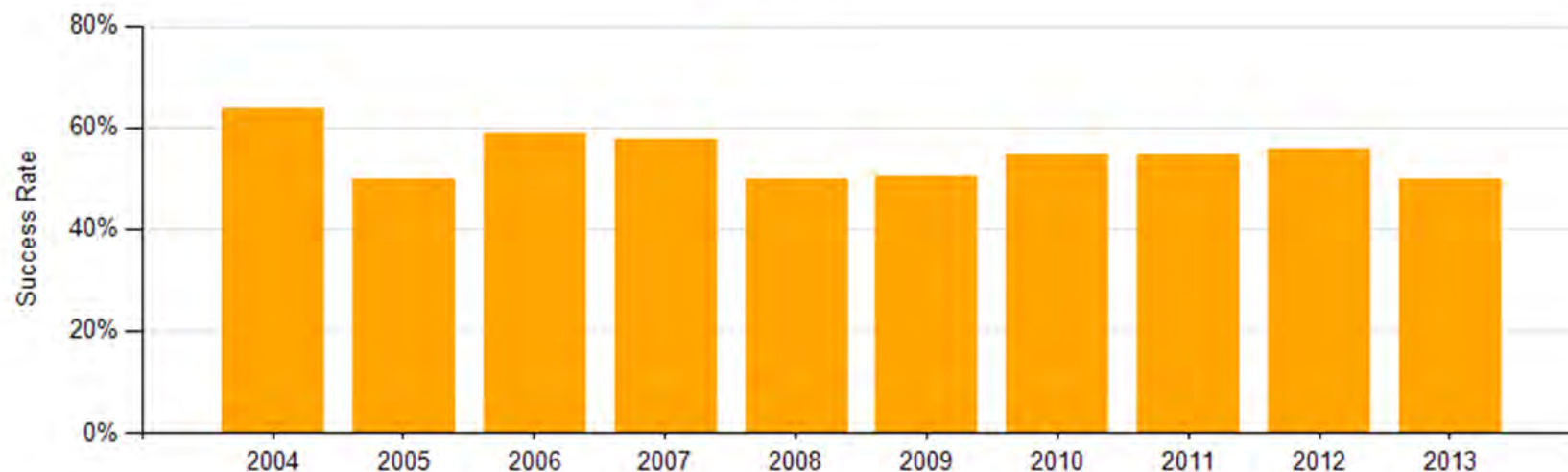
Applications, N	356	427	478	435	575	649	630	623	553	493
Awards, n	200	208	245	289	289	295	262	232	242	228
Success rate, %	56	49	51	66	50	45	42	37	44	46

Applications Success Rate (New + Renewal)

Clinical Research for Individuals from Disadvantaged Backgrounds

Total Applications: 520
Total Awards: 288
Success Rate: 55%

Success Rate



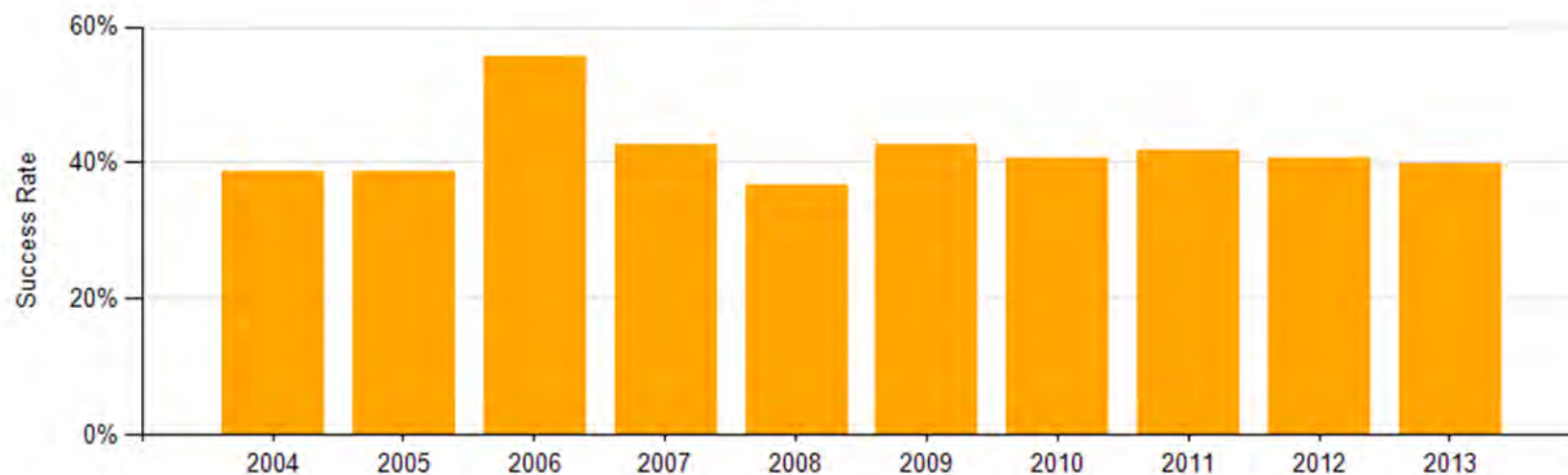
Applications, N	67	70	61	73	42	35	55	47	34	36
Awards, n	43	35	36	42	21	18	30	26	19	18
Success rate, %	64	50	59	58	50	51	55	55	56	50

Applications Success Rate (New + Renewal)

Contraception and Infertility Research

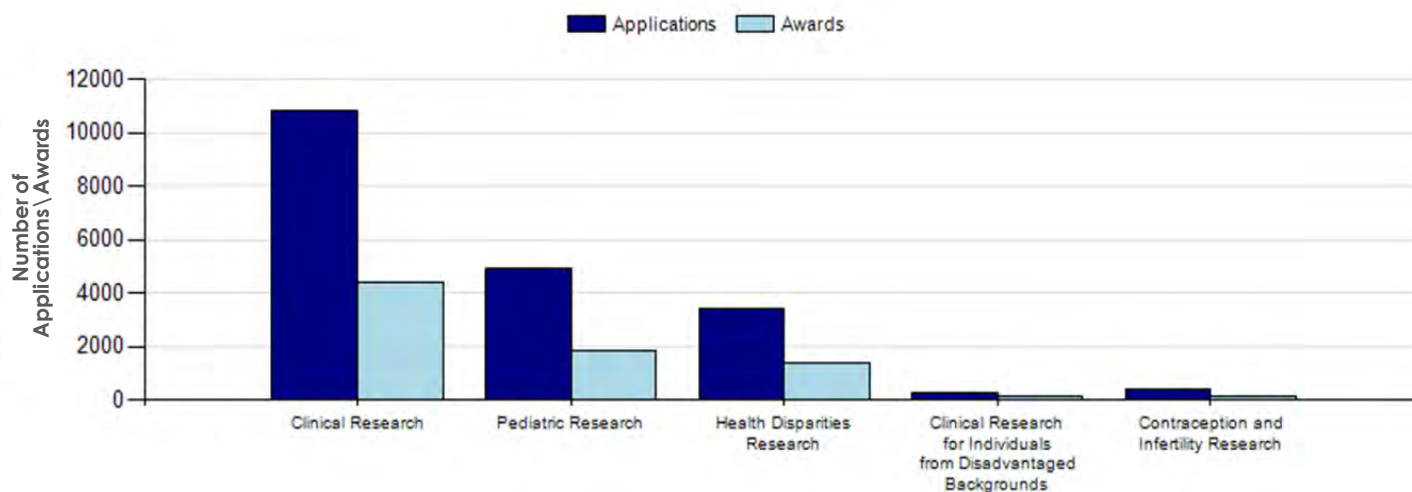
Total Applications: 534
Total Awards: 223
Success Rate: 42%

Success Rate



Applications, N	44	54	39	54	46	56	56	72	71	42
Awards, n	17	21	22	23	17	24	23	30	29	17
Success rate, %	39	39	56	43	37	43	41	42	41	40

Applications and Awards by LRP (New)



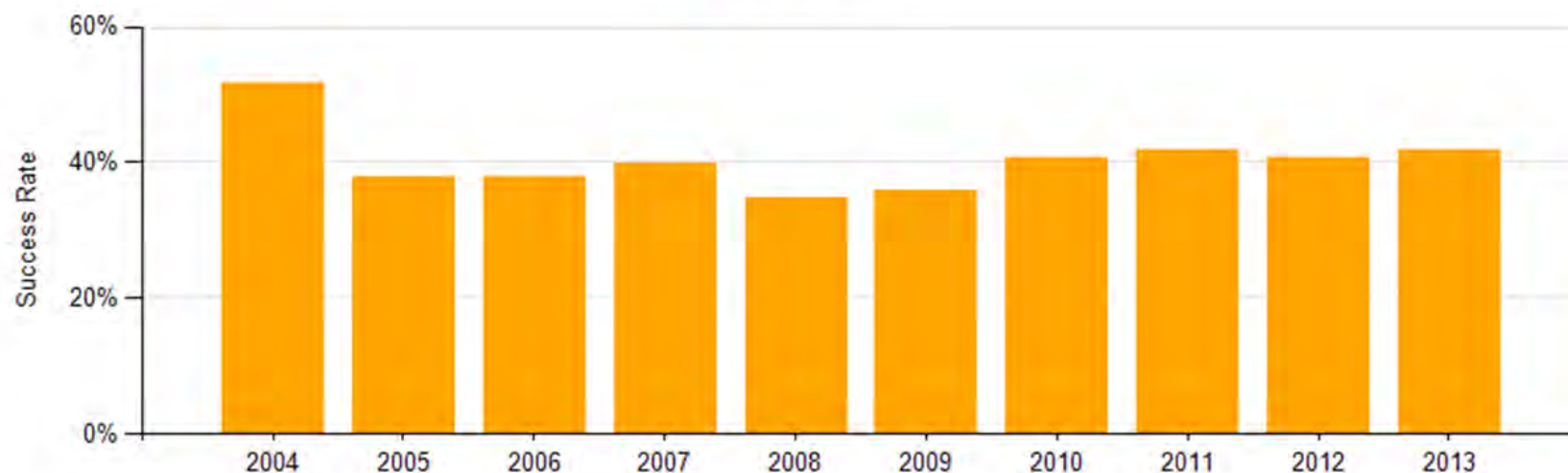
						Totals
Total Number of Applications	10,835	4,952	3,434	297	411	19,929
Percent of Total Applications	54	25	17	1	2	99
Total Number of Awards	4,389	1,829	1,384	124	149	7,875
Percent of Total Awards	56	23	18	2	2	101

Applications Success Rate (New)

Clinical Research

Total Applications: 10,835
Total Awards: 4,389
Success Rate: 40%

Success Rate



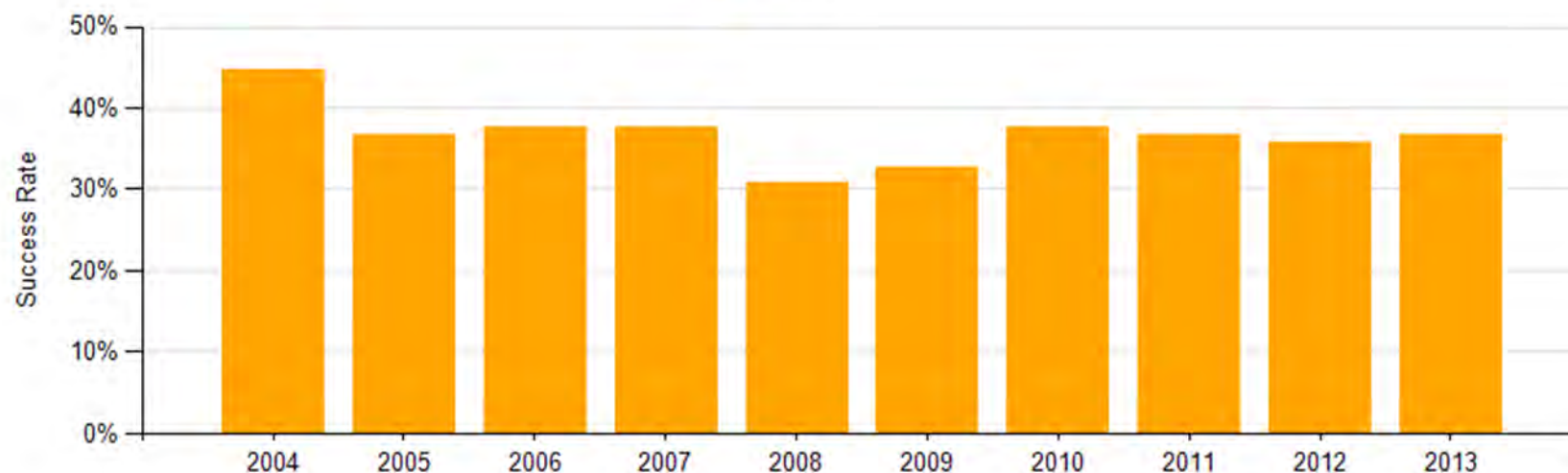
Applications, N	1,185	1,255	1,044	1,026	1,171	1,135	1,124	959	959	977
Awards, n	622	476	396	406	407	410	464	404	389	415
Success rate, %	52	38	38	40	35	36	41	42	41	42

Applications Success Rate (New)

Pediatric Research

Total Applications: 4,952
Total Awards: 1,829
Success Rate: 37%

Success Rate



Applications, N	502	500	501	517	571	528	424	506	467	436
Awards, n	228	184	192	198	179	175	159	185	168	161
Success rate, %	45	37	38	38	31	33	38	37	36	37

Applications Success Rate (New)

Health Disparities Research

Total Applications: 3,434
Total Awards: 1,384
Success Rate: 40%



Applications, N	266	292	314	274	398	426	419	383	338	324
Awards, n	132	126	143	167	165	168	126	122	122	113
Success rate, %	50	43	46	61	41	39	30	32	36	35

Applications Success Rate (New)

Clinical Research for Individuals from Disadvantaged Backgrounds

Total Applications: 297
Total Awards: 124
Success Rate: 42%

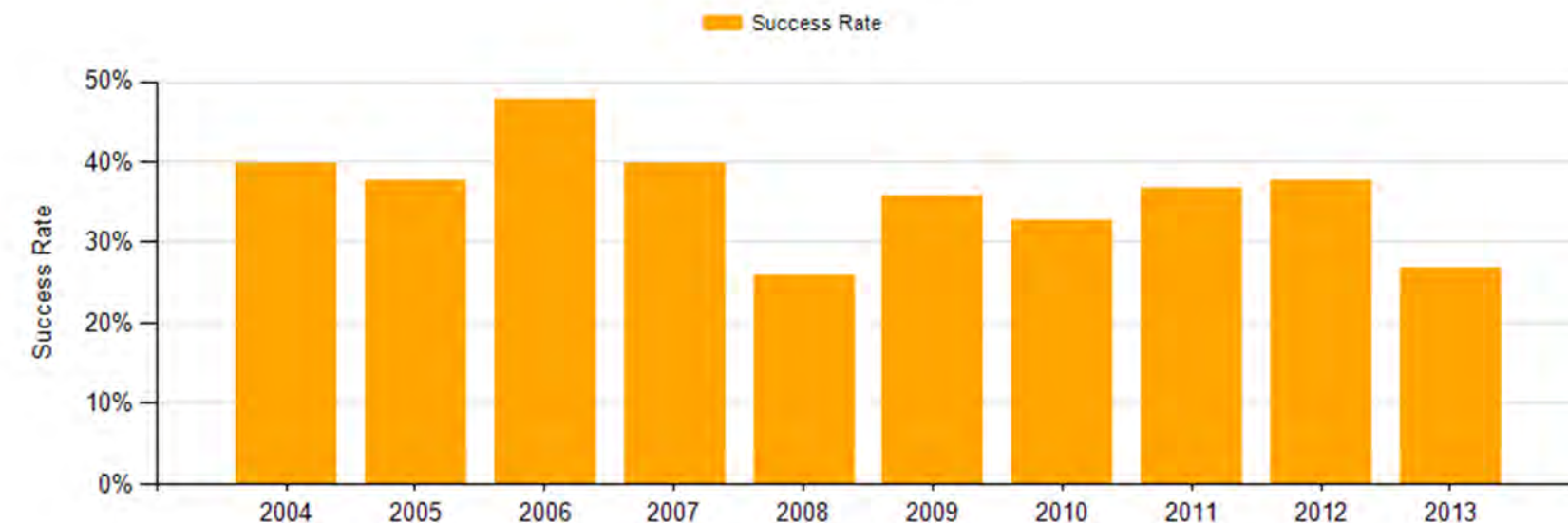


Applications, N	35	35	28	40	23	18	37	35	23	23
Awards, n	19	14	13	16	7	8	14	17	9	7
Success rate, %	54	40	46	40	30	44	38	49	39	30

Applications Success Rate (New)

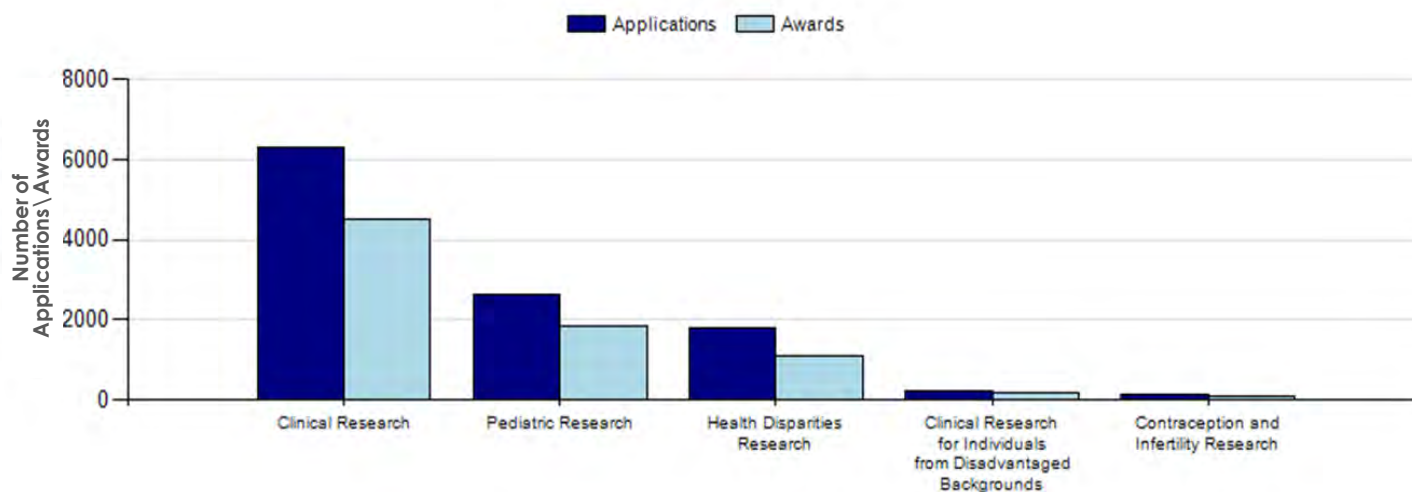
Contraception and Infertility Research

Total Applications: 411
Total Awards: 149
Success Rate: 36%



Applications, N	40	48	29	43	34	42	45	52	48	30
Awards, n	16	18	14	17	9	15	15	19	18	8
Success rate, %	40	38	48	40	26	36	33	37	38	27

Applications and Awards by LRP (Renewal)



						Totals
Total Number of Applications	6,314	2,623	1,785	223	123	11,068
Percent of Total Applications	57	24	16	2	1	100
Total Number of Awards	4,488	1,821	1,106	164	74	7,653
Percent of Total Awards	59	24	14	2	1	100

Applications Success Rate (Renewal)

Clinical Research

Total Applications: 6,314
Total Awards: 4,488
Success Rate: 71%



Applications, N	235	682	777	685	710	675	648	645	726	531
Awards, n	212	466	549	503	502	469	470	468	493	356
Success rate, %	90	68	71	73	71	69	73	73	68	67

Applications Success Rate (Renewal)

Pediatric Research

Total Applications: 2,623
Total Awards: 1,821
Success Rate: 69%



Applications, N	99	289	300	276	262	313	281	307	290	206
Awards, n	85	209	211	185	168	213	176	227	214	133
Success rate, %	86	72	70	67	64	68	63	74	74	65

Applications Success Rate (Renewal)

Health Disparities Research

Total Applications: 1,785
Total Awards: 1,106
Success Rate: 62%



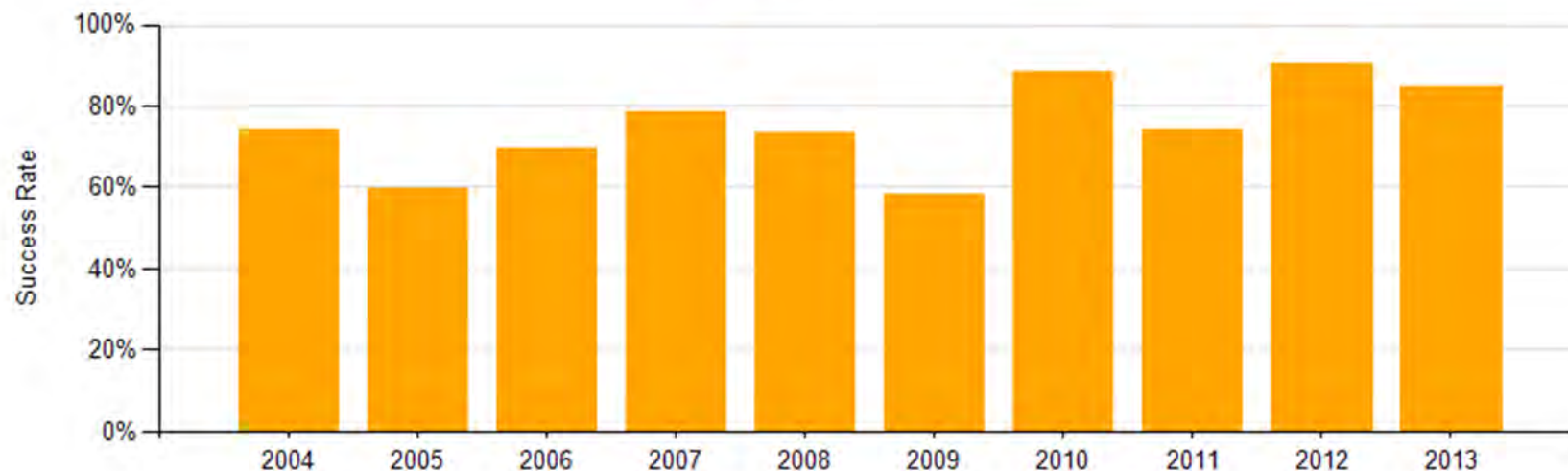
Applications, N	90	135	164	161	177	223	211	240	215	169
Awards, n	68	82	102	122	124	127	136	110	120	115
Success rate, %	76	61	62	76	70	57	64	46	56	68

Applications Success Rate (Renewal)

Clinical Research for Individuals from Disadvantaged Backgrounds

Total Applications: 223
Total Awards: 164
Success Rate: 74%

Success Rate



Applications, N	32	35	33	33	19	17	18	12	11	13
Awards, n	24	21	23	26	14	10	16	9	10	11
Success rate, %	75	60	70	79	74	59	89	75	91	85

Applications Success Rate (Renewal)

Contraception and Infertility Research

Total Applications: 123
Total Awards: 74
Success Rate: 60%



Applications, N	4	6	10	11	12	14	11	20	23	12
Awards, n	1	3	8	6	8	9	8	11	11	9
Success rate, %	25	50	80	55	67	64	73	55	48	75

Funding (New + Renewal) Clinical Research



Funding (New + Renewal)

Pediatric Research



Funding (New + Renewal)

Health Disparities Research



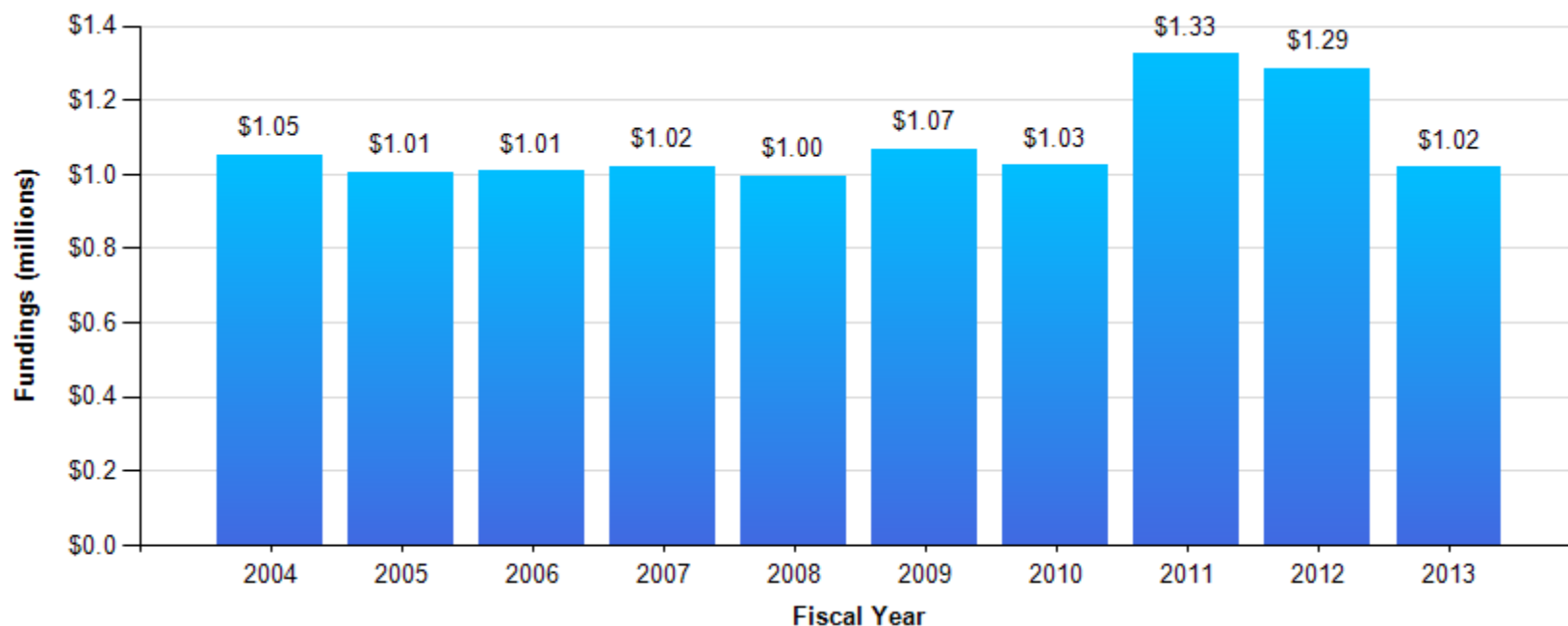
Funding (New + Renewal)

Clinical Research for Individuals from Disadvantaged Backgrounds



Funding (New + Renewal)

Contraception and Infertility Research



Funding by Institutes and Centers (New & Renewal)

IC	Funding	Awards	Percent	Mean Award	Standard Deviation
NCMHD	\$101,397,041	2,263	14%	\$44,732	\$31,237
NHLBI	\$95,739,779	1,708	13%	\$56,008	\$33,676
NCI	\$89,585,084	1,813	13%	\$49,264	\$32,854
NIAID	\$57,840,017	1,271	8%	\$44,880	\$32,150
NICHD	\$54,813,242	1,190	8%	\$45,365	\$32,714
NIMH	\$47,726,038	1,231	7%	\$38,188	\$29,544
NIDDK	\$41,929,495	735	6%	\$56,521	\$31,289
NIDA	\$32,696,654	921	5%	\$35,501	\$28,870
NINDS	\$28,305,022	579	4%	\$47,795	\$32,880
NCRR*	\$24,228,979	608	3%	\$46,521	\$34,162
NIA	\$22,780,766	507	3%	\$39,123	\$29,929
NIAMS	\$22,550,699	486	3%	\$48,046	\$33,406
NEI	\$17,786,311	364	2%	\$47,550	\$33,272
NIAAA	\$15,565,655	324	2%	\$33,703	\$27,824
NIMHD	\$15,533,482	456	2%	\$41,441	\$26,757
NIDCD	\$9,636,449	277	1%	\$34,061	\$26,105
NIGMS	\$7,134,518	113	1%	\$63,732	\$35,260
NIDCR	\$6,880,927	144	1%	\$47,189	\$32,206
NIEHS	\$5,480,498	125	1%	\$31,964	\$27,202
NCCAM	\$5,026,683	153	1%	\$47,096	\$33,435
NCATS*	\$4,532,142	95	1%	\$47,252	\$31,088
NHGRI	\$2,491,970	54	<1%	\$45,756	\$30,497
NLM	\$1,986,656	35	<1%	\$56,762	\$33,165
NIBIB	\$1,404,258	26	<1%	\$56,093	\$32,516
FIC	\$636,099	7	<1%	\$90,871	\$28,716
NINR	\$418,533	23	<1%	\$18,197	\$13,002
Total	\$714,106,994	15,528	100%	\$46,048	\$32,182

* See page 6 for changes to these NIH centers

Applications, Awards, and Success Rates by LRP (1 of 4) (New + Renewal) FY 2012 – FY 2013

LRP	FY 2004-2013			FY 2013			FY 2012		
	Applications N	Awards n	Success Rate %	Applications N	Awards n	Success Rate %	Applications N	Awards n	Success Rate %
Clinical Research	17,149	8,877	52	1,508	771	51	1,685	882	52
Pediatric Research	7,575	3,650	48	642	294	46	757	382	50
Health Disparities Research	5,219	2,490	48	493	228	46	553	242	44
Clinical Research for Individuals from Disadvantaged Backgrounds	520	288	55	36	18	50	34	19	56
Contraception and Infertility Research	534	223	42	42	17	40	71	29	41
Total	30,997	15,528	50						

Applications, Awards, and Success Rates by LRP (2 of 4) (New + Renewal) FY 2009 – FY 2011

LRP	FY 2011			FY 2010			FY 2009		
	Applications N	Awards n	Success Rate %	Applications N	Awards n	Success Rate %	Applications N	Awards n	Success Rate %
Clinical Research	1,604	872	54	1,772	934	53	1,810	879	49
Pediatric Research	813	412	51	705	335	48	841	388	46
Health Disparities Research	623	232	37	630	262	42	649	295	45
Clinical Research for Individuals from Disadvantaged Backgrounds	47	26	55	55	30	55	35	18	51
Contraception and Infertility Research	72	30	42	56	23	41	56	24	43

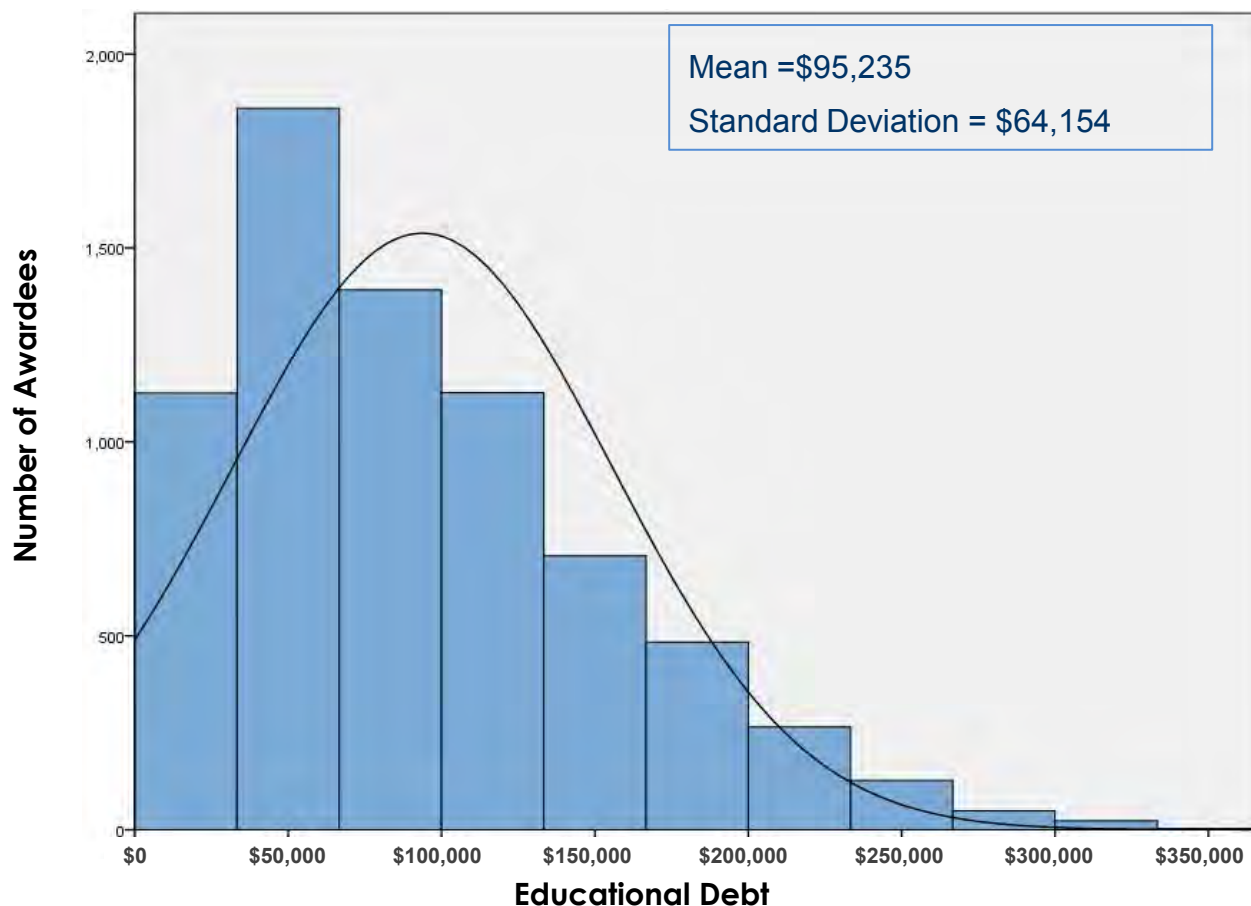
Applications, Awards, and Success Rates by LRP (3 of 4) (New + Renewal) FY 2006 – FY 2008

LRP	FY 2008			FY 2007			FY 2006		
	Applications N	Awards n	Success Rate %	Applications N	Awards n	Success Rate %	Applications N	Awards n	Success Rate %
Clinical Research	1,881	909	48	1,711	909	53	1,821	945	52
Pediatric Research	833	347	42	793	383	48	801	403	50
Health Disparities Research	575	289	50	435	289	66	478	245	51
Clinical Research for Individuals from Disadvantaged Backgrounds	42	21	50	73	42	58	61	36	59
Contraception and Infertility Research	46	17	37	54	23	43	39	22	56

Applications, Awards, and Success Rates by LRP (4 of 4) (New + Renewal) FY 2004 – FY 2005

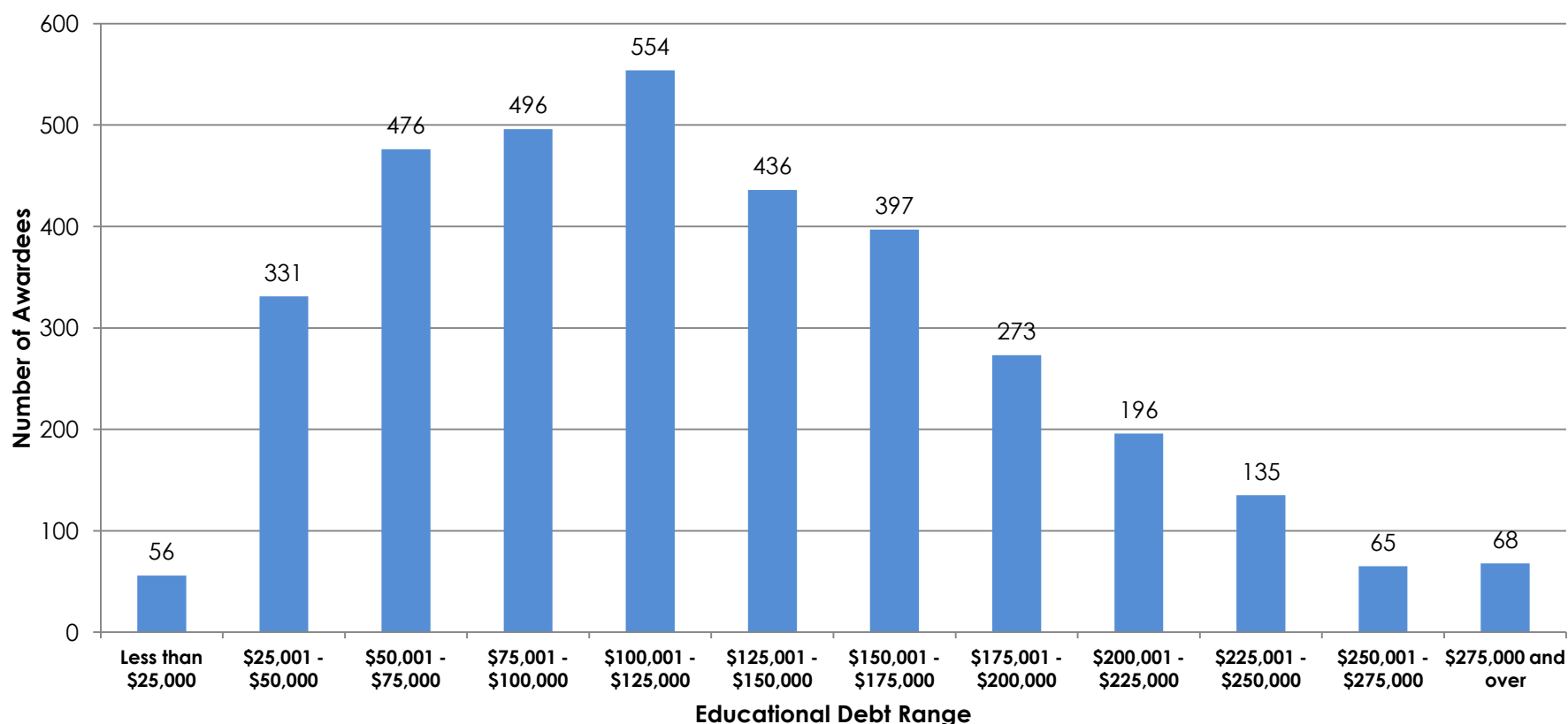
LRP	FY 2005			FY 2004		
	Applications N	Awards n	Success Rate %	Applications N	Awards n	Success Rate %
Clinical Research	1,937	942	49	1,420	834	59
Pediatric Research	789	393	50	601	313	52
Health Disparities Research	427	208	49	356	200	56
Clinical Research for Individuals from Disadvantaged Backgrounds	70	35	50	67	43	64
Contraception and Infertility Research	54	21	39	44	17	39

Distribution of Educational Debt for Awardees (New)



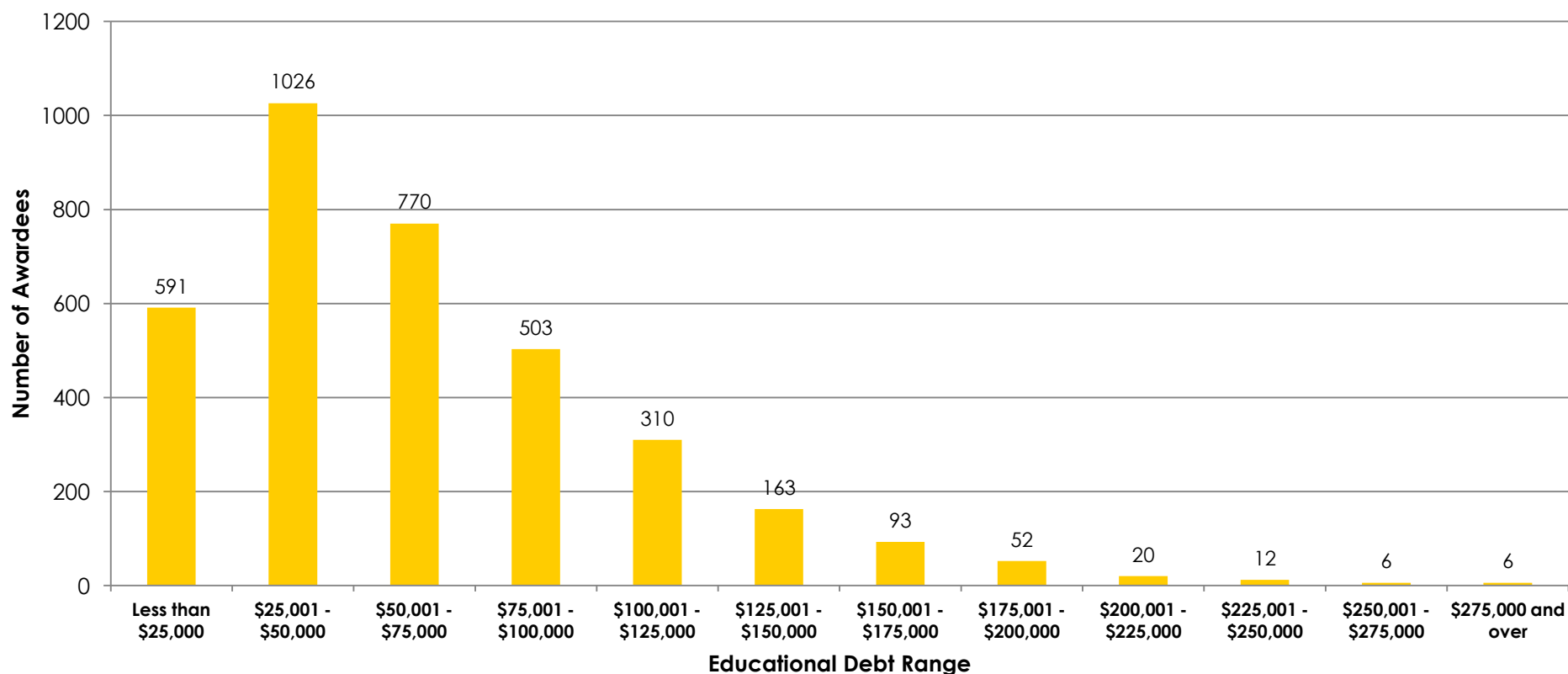
Distribution of Educational Debt for Awardees by Degree (New)

Physician Doctorate



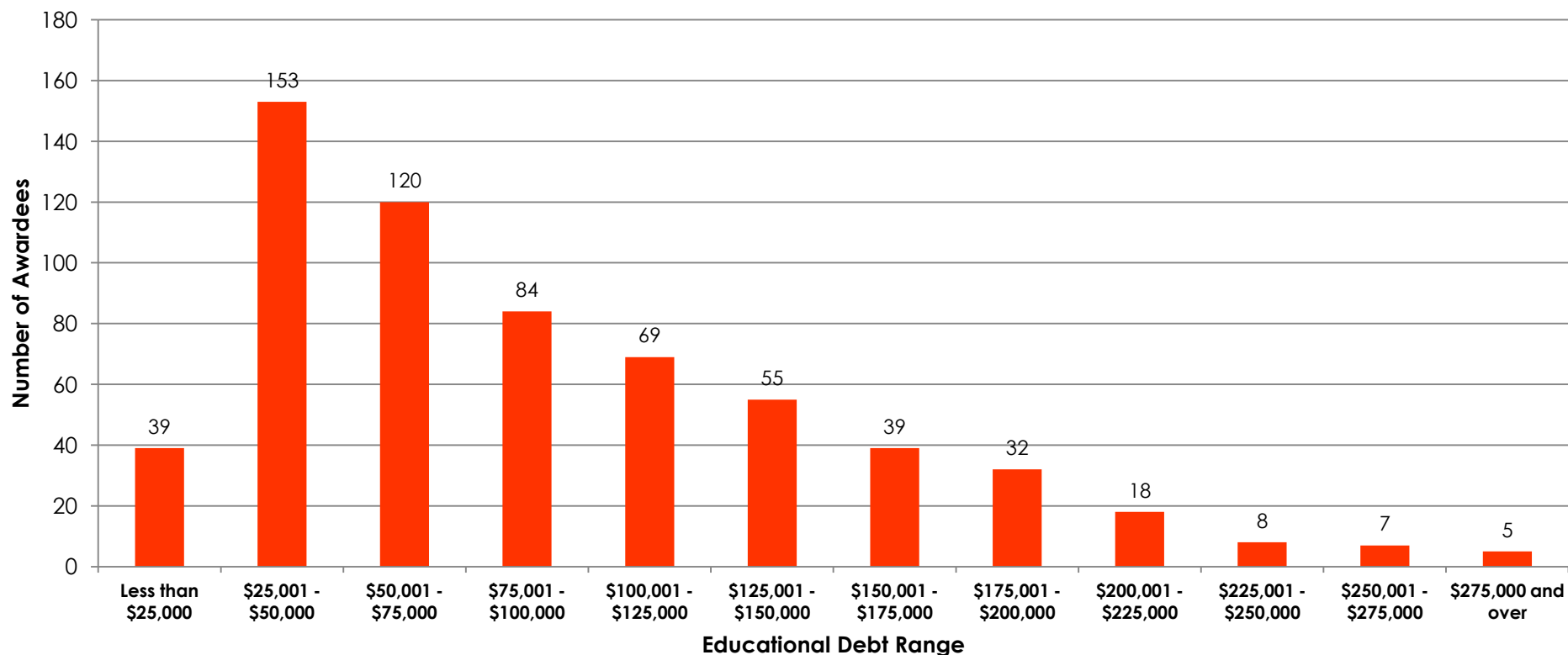
Distribution of Educational Debt for Awardees by Degree (New)

Academic Doctorate



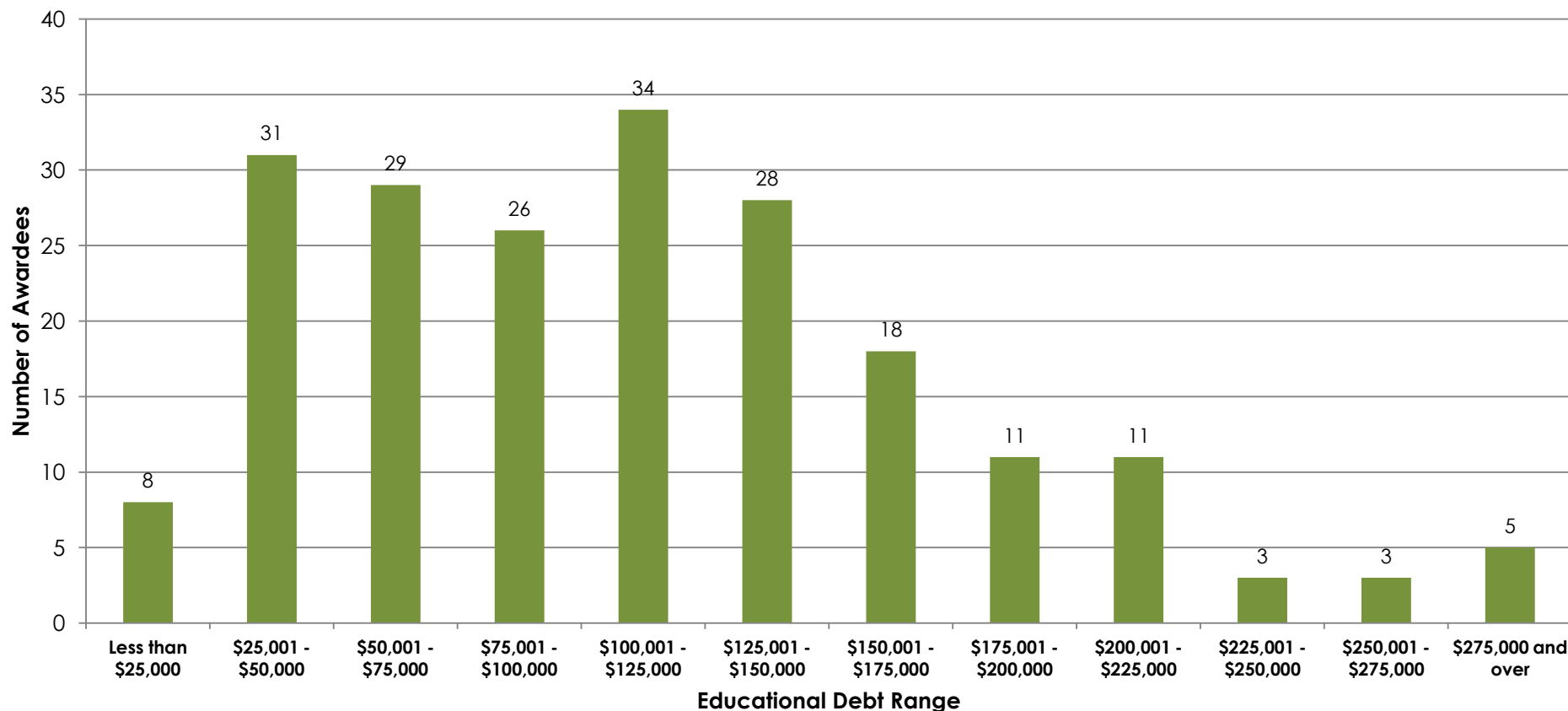
Distribution of Educational Debt for Awardees by Degree (New)

Physician Doctorate + Academic Doctorate

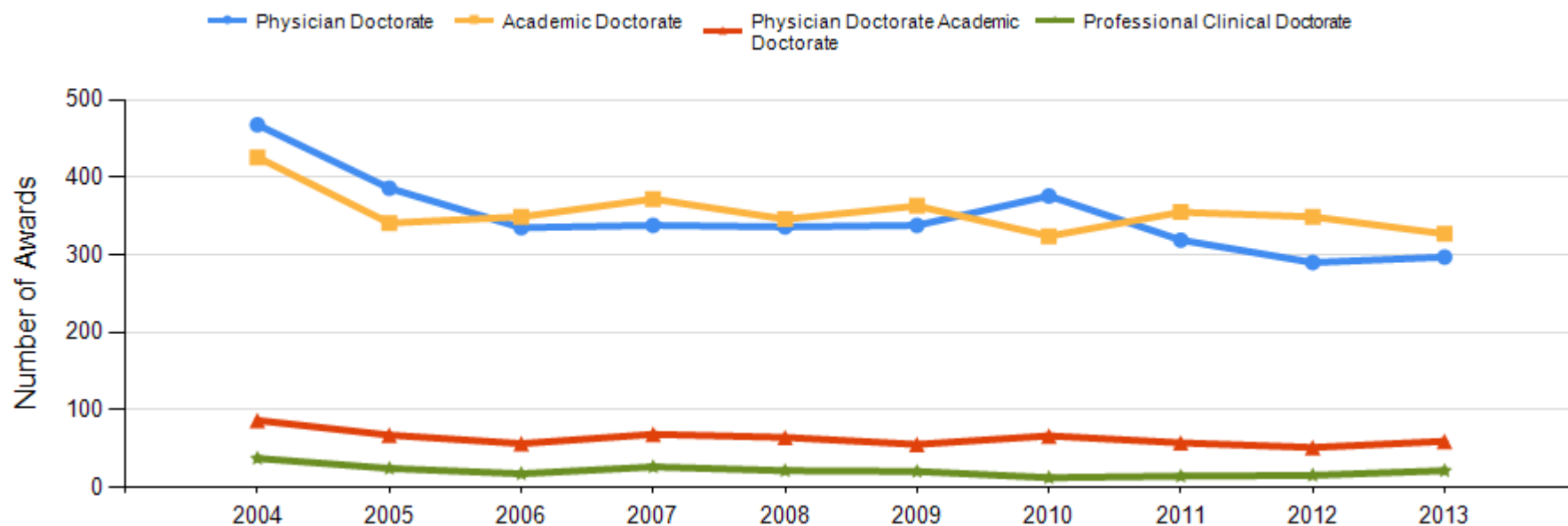


Distribution of Educational Debt for Awardees by Degree (New)

Professional Clinical Doctorate



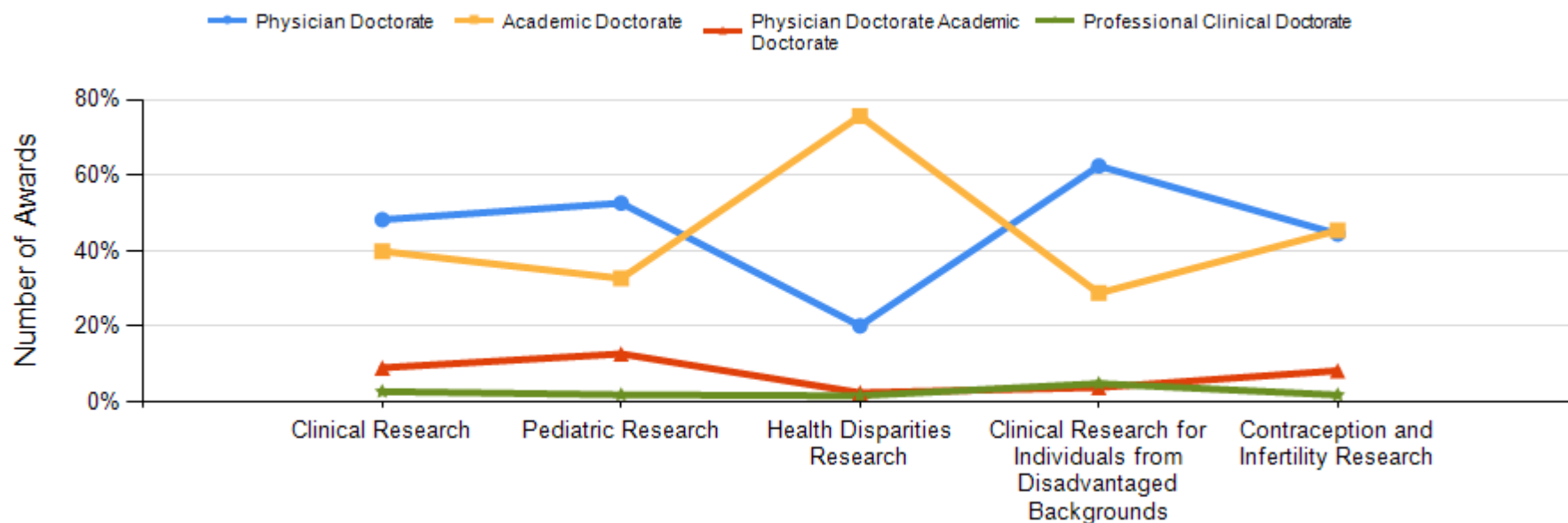
Distribution of Awards by Degree Type (New)



	N	%	N	%	N	%	N	%	N	%	N	%	N	%	N	%	N	%
Physician Doctorate	468	46	386	47	335	44	338	42	336	44	338	44	376	48	319	43	290	41
Academic Doctorate	426	42	341	42	349	46	373	46	346	45	363	47	324	42	355	48	349	50
Physician Doctorate + Academic Doctorate	86	8	67	8	56	7	68	8	64	8	55	7	66	8	57	8	51	7
Professional Clinical Doctorate	37	4	24	3	17	2	26	3	21	3	20	2	12	2	14	2	15	2

Note: Percents do not total to 100 due to rounding error.

Distribution of Awards by Degree Type and LRP (New + Renewal)



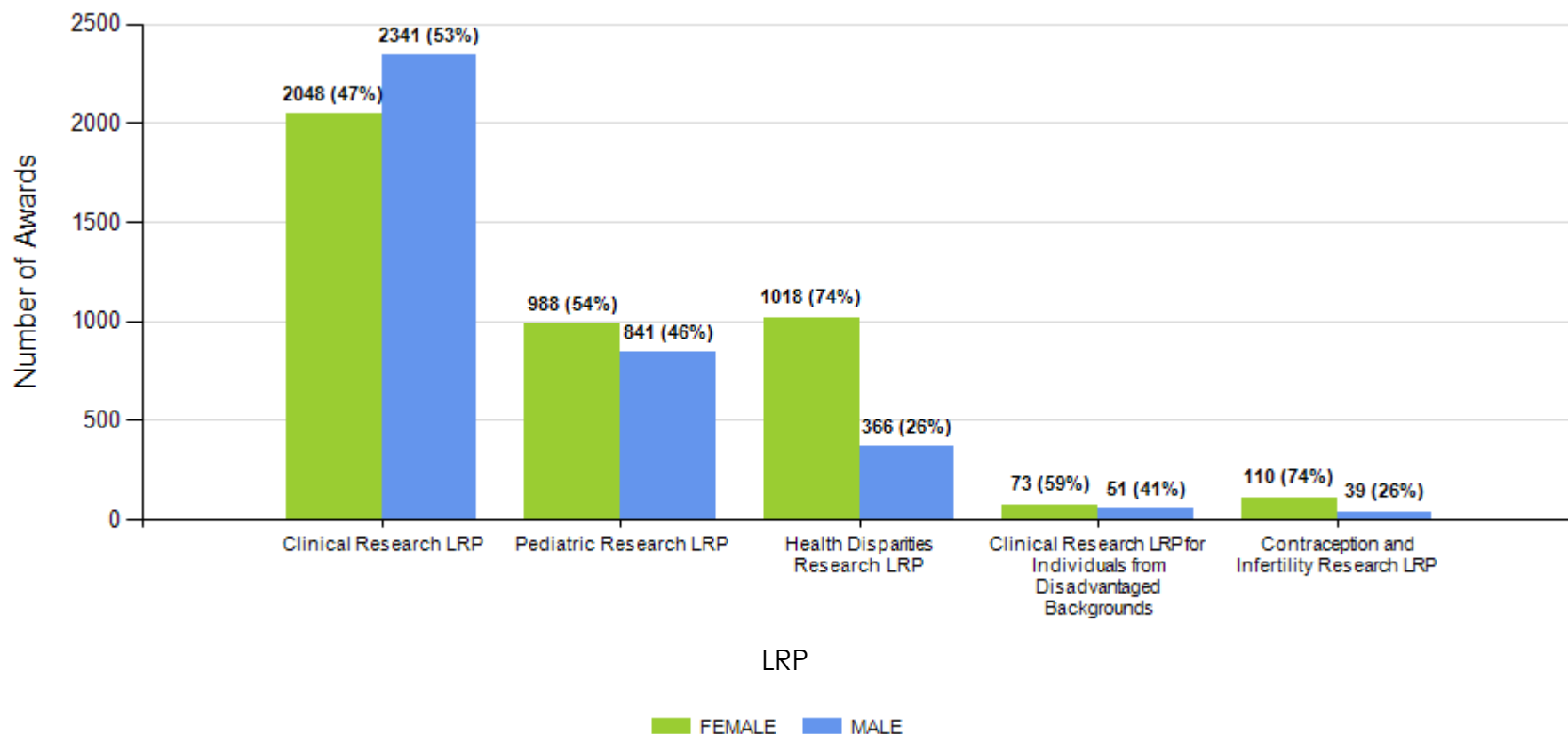
	<u>N</u>	<u>%</u>	<u>N</u>	<u>%</u>	<u>N</u>	<u>%</u>	<u>N</u>	<u>%</u>	<u>N</u>	<u>%</u>
Physician Doctorate	4285	48	1922	53	502	20	180	63	97	44
Academic Doctorate	3543	40	1194	33	1886	76	83	29	99	45
Physician Doctorate + Academic Doctorate	804	9	465	13	61	2	11	4	18	8
Professional Clinical Doctorate	245	3	69	2	41	2	14	5	4	2

Note: Percents do not total to 100 due to rounding error.

Gender Distribution Among New LRP Applicants

Fiscal Year	Females			Males		
	Applications	Awards	Success Rate	Applications	Awards	Success Rate
	N	n	%	N	n	%
2004	1,081	540	50	947	477	50
2005	1,109	412	37	1,021	406	40
2006	1,055	402	38	861	356	41
2007	1,047	444	42	853	360	42
2008	1,217	421	35	980	346	35
2009	1,196	415	35	953	361	38
2010	1,153	407	35	896	371	41
2011	1,119	402	36	816	345	42
2012	1,082	403	37	753	303	40
2013	1,061	391	37	729	313	43

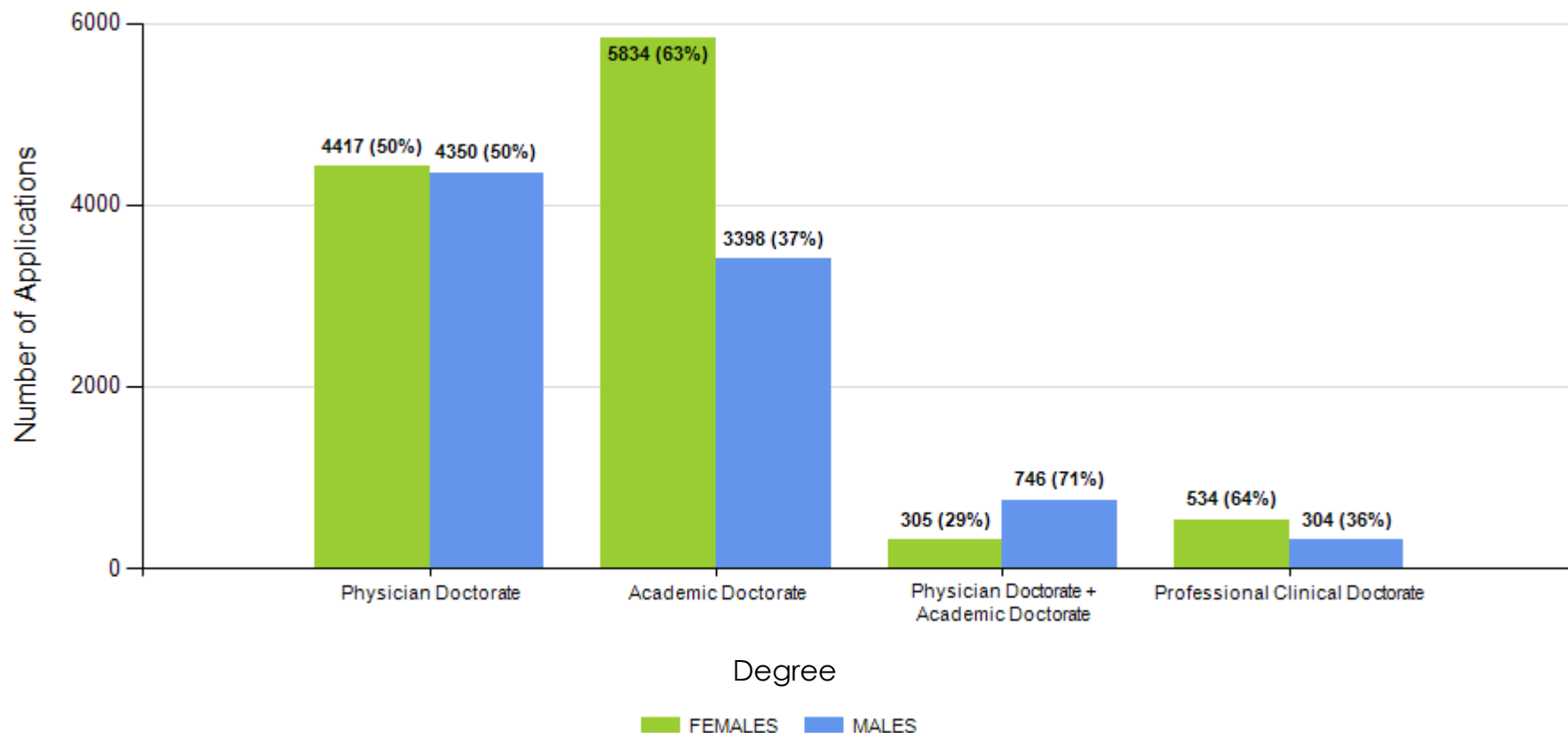
Gender Distribution Among New Awardees by LRP



Success Rates by Gender Among New Awardees by LRP

LRP	Females			Males		
	Applications	Awards	Success Rate	Applications	Awards	Success Rate
	N	n	%	N	n	%
Clinical Research	5,350	2,048	38	5,485	2,341	43
Pediatric Research	2,838	988	35	2,114	841	40
Health Disparities Research	2,456	1,018	41	978	366	37
Clinical Research for Individuals from Disadvantaged Backgrounds	185	73	39	112	51	46
Contraception and Infertility Research	291	110	38	120	39	33

Distribution of Degrees by Gender Among New LRP Applicants



Note: Percents do not total to 100 due to rounding error.

Distribution of New Awards by Race

Fiscal Year	White		Other/No Response		Asian		Black or African American		More Than One Race		American Indian/Alaskan Native		Native Hawaiian or Other Pacific Islander	
	n	%	n	%	n	%	n	%	n	%	n	%	n	%
2004	684	67	135	13	114	11	68	7	10	1	6	1	--*	--
2005	518	63	122	15	79	10	78	10	18	2	--*	--	--*	--
2006	477	63	113	15	79	10	80	11	--*	--	5	1	--*	--
2007	483	60	117	15	89	11	96	12	15	2	5	1	--*	--
2008	485	63	101	13	91	12	75	10	12	2	--*	--	--*	--
2009	524	67	83	11	72	9	68	9	22	3	6	1	--*	--
2010	510	66	93	12	94	12	51	7	19	2	10	1	--*	--
2011	478	64	73	10	90	12	61	8	38	5	7	1	--*	--
2012	469	66	69	10	87	12	56	8	21	3	--*	--	--*	--
2013	487	96	60	9	73	10	62	9	20	3	--*	--	--*	--
2004 - 2013	5,113	65	966	12	867	11	694	9	179	2	49	1	7	<1%

*Excluded from the graph are cases in which fewer than 5 awardees were counted in a given year. The category Native Hawaiian or Other Pacific Islander had no year with 5 or more awardees.

**Percents do not total to 100 due to rounding error.

Distribution of Applications by LRP and Race (New)

LRP	White		Other/No Response		Asian		Black or African American		More Than One Race		American/Alaskan Native		Native Hawaiian or Other Pacific Islander	
	n	%	n	%	n	%	n	%	n	%	n	%	n	%
Clinical Research	7,602	70	1,335	12	1,134	10	539	5	190	2	30	<1	--*	--
Pediatric Research	3,569	72	587	12	486	10	202	4	82	2	18	<1	8	<1
Health Disparities Research	1,341	39	459	13	258	8	1,167	34	150	4	53	2	6	<1
Clinical Research for Individuals from Disadvantaged Backgrounds	85	28	62	21	31	10	96	32	15	5	8	<1	--*	--
Contraception and Infertility Research	272	66	51	12	45	11	29	7	11	3	--*	--	--*	--

*Excluded from the table are cases in which fewer than 5 awardees were counted in a given year.

**Percents do not total to 100 due to rounding error.

Distribution of Awards by Race (New)

LRP	White		Other/No Response		Asian		Black or African American		More Than One Race		American/Alaskan Native		Native Hawaiian or Other Pacific Islander	
	n	%	n	%	n	%	n	%	n	%	n	%	n	%
Clinical Research	3,119	71	512	12	527	12	148	3	69	2	13	<1	--*	--
Pediatric Research	1,337	73	207	11	191	10	52	3	33	2	6	<1	--*	--
Health Disparities Research	519	38	194	14	121	9	458	33	65	4	24	2	--*	--
Clinical Research for Individuals from Disadvantaged Backgrounds	39	31	27	22	16	13	30	24	8	7	--*	--	--*	--
Contraception and Infertility Research	99	66	26	17	12	8	6	4	--*	--	--*	--	--*	--

*Excluded from the table are cases in which fewer than 5 awardees were counted in a given year.

**Percents do not total to 100 due to rounding error.

Applicant Demographics by Ethnicity (New)

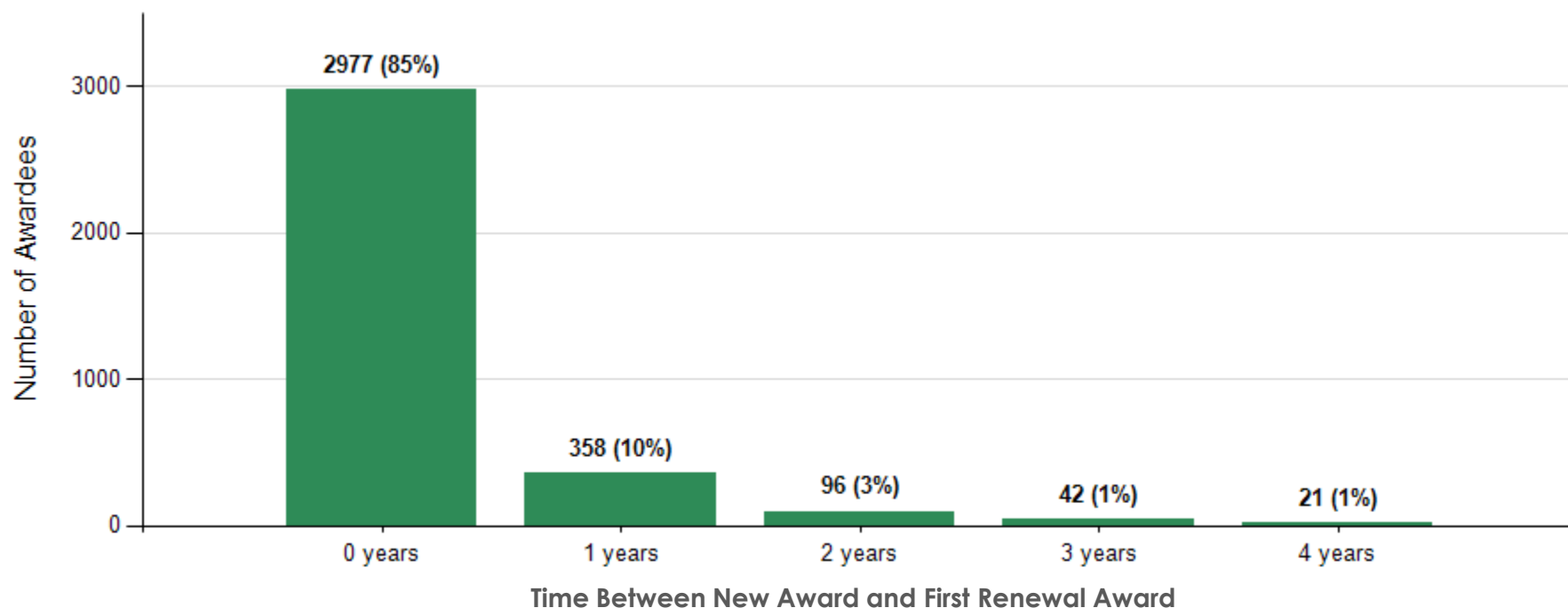
LRP	Applications	Hispanic or Latino		Not Hispanic or Latino	
	N	n	%	n	%
Clinical Research	10,835	516	5	10,319	95
Pediatric Research	4,952	253	5	4,699	95
Health Disparities Research	3,434	419	12	3,015	88
Clinical Research for Individuals from Disadvantaged Backgrounds	297	66	22	231	78
Contraception and Infertility Research	411	2829	7	382	93
Total	19,929	1,283	6	18,646	94

Awardees Demographics by Ethnicity (New)

LRP	Awards	Hispanic or Latino		Not Hispanic or Latino	
	N	n	%	n	%
Clinical Research	4,389	197	4	4,192	96
Pediatric Research	1,829	75	4	1,754	96
Health Disparities Research	1,384	174	13	1,210	87
Clinical Research for Individuals from Disadvantaged Backgrounds	124	36	29	88	71
Contraception and Infertility Research	149	14	9	135	91
Total	7,175	451	6	6,724	94

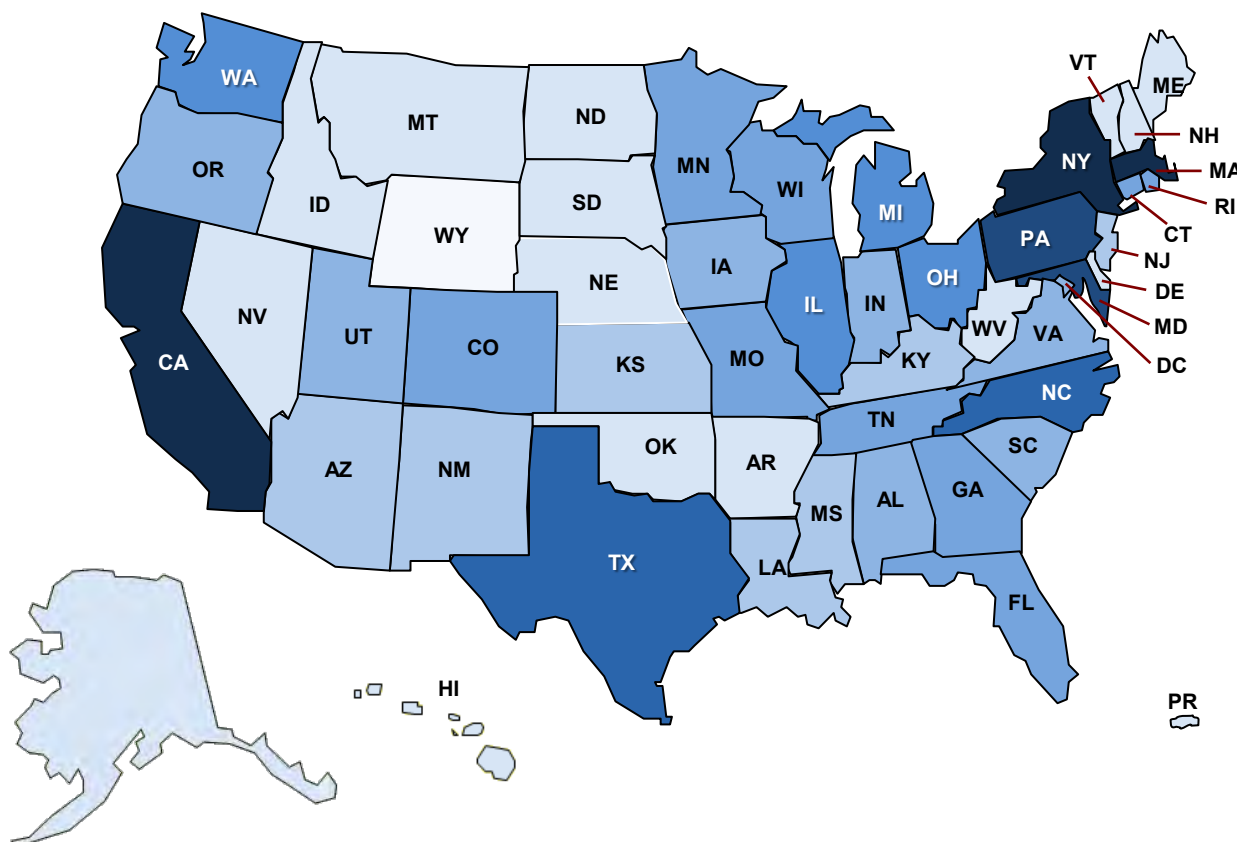
Years To First Renewal Award

(Awardees whose 1st award began 2004-2011 and were awarded with renewal award, n=3,494*)



*Excluded are 21 individuals who had first renewal awards shorter than one year and total years in LRP was less than 3 years. For individuals that changed program during 2004-2011 (n=6) each program that has one new and one renewal award is counted. All 6 individuals that changed programs between 2004 and 2011 had only one program with one new and one renewal award that was counted. Excluded are 3 individuals that had award length longer than 2 years.

Distribution of Awardees by State (New)



Number of Participants	States*
0	WY
1-25	AK, AR, DE, HI, ID, ME, MT, ND, NE, NH, NV, OK, PR, SD, VT, WV
26-50	AZ, KS, KY, LA, MS, NJ, NM
51-100	AL, DC, IA, IN, OR, SC, UT, VA
101-200	CO, CT, FL, GA, MN, MO, RI, WI, TN
201-300	IL, MI, OH, WA
301-400	NC, TX
401-500	MD, PA
501-1000	CA, MA, NY

* Includes District of Columbia and Puerto Rico;
Eleven participants didn't provide correct work state.

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