

FY 2011



## THE INTRAMURAL LOAN REPAYMENT PROGRAMS DATA BOOK



### Fiscal Year 2011 Highlights

October 1, 2010  
to September 30, 2011

### Application Cycles:

New:

September 1, 2010 - April 1, 2011

Renewal:

September 1, 2010 – February 1, 2011

NIH Division of Loan Repayment

## 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)**  
**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)**  
**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)**  
**Clinical Center (CC)**  
**Center for Information Technology (CIT)**

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## The Year in Review

In Fiscal Year (FY) 2011, 91 individuals applied to the Intramural Loan Repayment Programs (LRPs) in General Research, AIDS Research, Clinical Research for Individuals from Disadvantaged Backgrounds, and General Research for Accreditation Council for Graduate Medical Education (ACGME) Fellows. Of those applicants, 86 were awarded contracts totaling \$4,810,295. The combined (new and renewal applicants) success rate for the Intramural LRPs was 95 percent.

The NIH will repay up to \$35,000 per year of outstanding educational debt for the General, AIDS, and Clinical Research for Individuals from Disadvantaged Backgrounds and up to \$20,000 per year for the ACGME LRP. In return, participants must sign a contract agreeing to conduct appropriately qualified research activities as NIH employees for a minimum of two years for the AIDS and Clinical Research (Disadvantaged Background) LRPs, or three years for the General or ACGME LRPs.

The Intramural General Research LRP received 67 percent of all applications.

New applicants (those not previously funded) constituted 40 percent of all applications while renewal applicants (those previously funded) comprised 60 percent of all applicants. Success rates for new and renewal applicants were 97 and 93 percent, respectively.

The LRPs are open to health professionals with doctoral level, P.A., B.S.N. or A.D.N. degrees and varying levels of experience. Most new FY 2011 awardees are beginning their careers, with 72 percent having received their qualifying degrees within the last five years and 23 percent within the past six to ten years.

Physician doctorates (including dual physician doctorates, for example, MD/PhD degrees) comprised 85 percent of the awards, while those with academic doctoral level degrees received 13 percent of the total awards.

Eighty-nine percent of the new awardees had educational debt greater than \$50,000, with 31 percent having debt levels greater than \$200,000.

Women received 49 (57%) of the 86 LRP awards. Black/African American applicants received 4 (5%) awards. Asians received 10 (12%) awards, and Hispanics received 7 (8%) awards.

## The Four Intramural Loan Repayment Programs

### **AIDS Research LRP:**

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In November 1988, Public Law (P.L.) 100-607 introduced Section 487A of the Public Health Service (PHS) Act (42 USC 288-1), authorizing the National Institutes of Health (NIH) to establish a program of educational loan repayment to attract additional health professionals into Acquired Immunodeficiency Syndrome (AIDS) research. The mission of the NIH AIDS Research Loan Repayment Program (AIDS-LRP) is to attract highly qualified physicians, nurses, and scientists to HIV/AIDS research by countering the growing economic disincentives to embark on biomedical research careers, using loan repayment as an incentive.

### **General Research LRP:**

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In June 1993, P.L. 103-43 authorized Section 487C (42 USC 288-3), which established a program of educational loan repayment to attract highly qualified health professionals, particularly physicians, to conduct research at the NIH. The mission of the General Research Loan Repayment Program is to attract talented researchers to public service as employees of the NIH using loan repayment as an economic incentive. Generally, those at a tenure track or above level are given priority for funding of LRP awards.

### **General Research LRP for ACGME Fellows:**

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General Research LRP for ACGME Fellows provides \$20,000 per year in loan repayment (plus tax reimbursement) and is currently available to fellows offered employment by the NIH in subspecialty and residency training programs accredited by the Accreditation Council for Graduate Medical Education (ACGME). Qualifying fellows must hold a three-year appointment.

### **Clinical Research LRP for Individuals from Disadvantaged Background:**

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Clinical research is patient-oriented research that is conducted with human subjects or research on the causes and consequences of disease in human populations involving material of human origin 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; epidemiologic or behavioral studies; outcomes research or health services research; or developing new technologies, therapeutic interventions, or clinical trials. The NIH Clinical Research Loan Repayment Program's mission is to recruit highly qualified health professionals from disadvantaged backgrounds to serve as clinical researchers, using loan repayment as an economic incentive.

## Applications, Awards, and Success Rates By Program

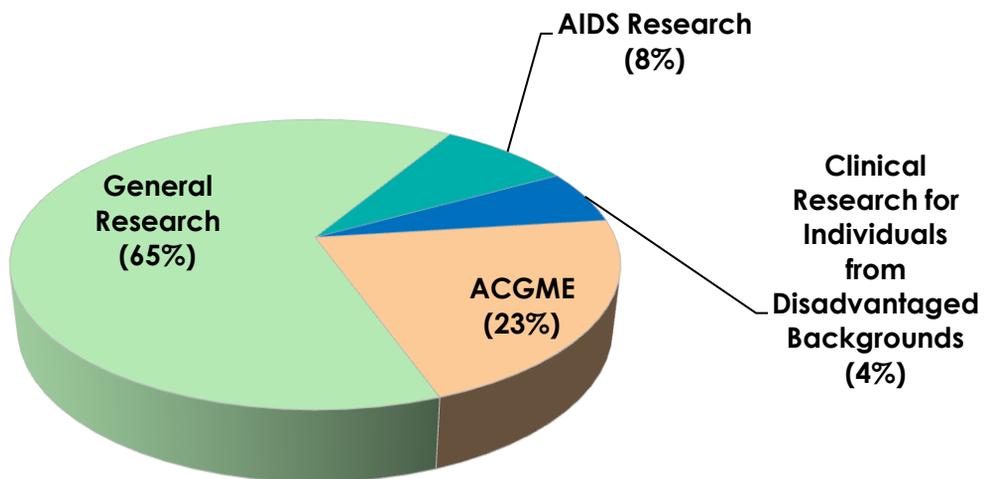
In FY 2011, the NIH received 91 applications. 40 percent of the applications were from new applicants. 95 percent of all applicants were awarded contracts.

	Applications	Awards	Success Rate	Applications	Awards	Success Rate	Applications	Awards	Success Rate
General Research	15	14	93%	45	41	98%	60	55	92%
AIDS Research	1	1	100%	6	6	100%	7	7	100%
Clinical Research for Individuals from Disadvantaged Backgrounds	0	0	N/A	4	4	100%	4	4	100%
ACGME	20	20	100%	N/A	N/A	N/A	20	20	100%

## Funding by Program

	Awards	Funding	Awards	Funding	Awards	
<span style="color: green;">■</span> General Research	14	\$1,639,108	41	\$1,212,336	55	\$2,851,444
<span style="color: teal;">■</span> AIDS Research	1	\$69,201	6	\$164,368	7	\$233,569
<span style="color: blue;">■</span> Clinical Research for Individuals from Disadvantaged Backgrounds	0	\$0	4	\$64,252	4	\$64,252
<span style="color: orange;">■</span> ACGME	20	\$1,661,030	N/A	N/A	20	\$1,661,030

### Percentage of Total Awards by LRP



## Funding by NIH Institutes and Centers New Awards

The Intramural Loan Repayment Programs awarded 35 new LRP contracts from 11 different ICs in FY 2011.

CC	2	\$241,725
NCI	14	\$1,471,004
NHGRI	4	\$483,450
NHLBI	2	\$175,800
NIAID	4	\$372,592
NICHD	1	\$87,900
NIDDK	1	\$72,455
NIEHS	1	\$45,644
NIMH	4	\$306,583
NIMHD	1	\$69,201
NINDS	1	\$42,985

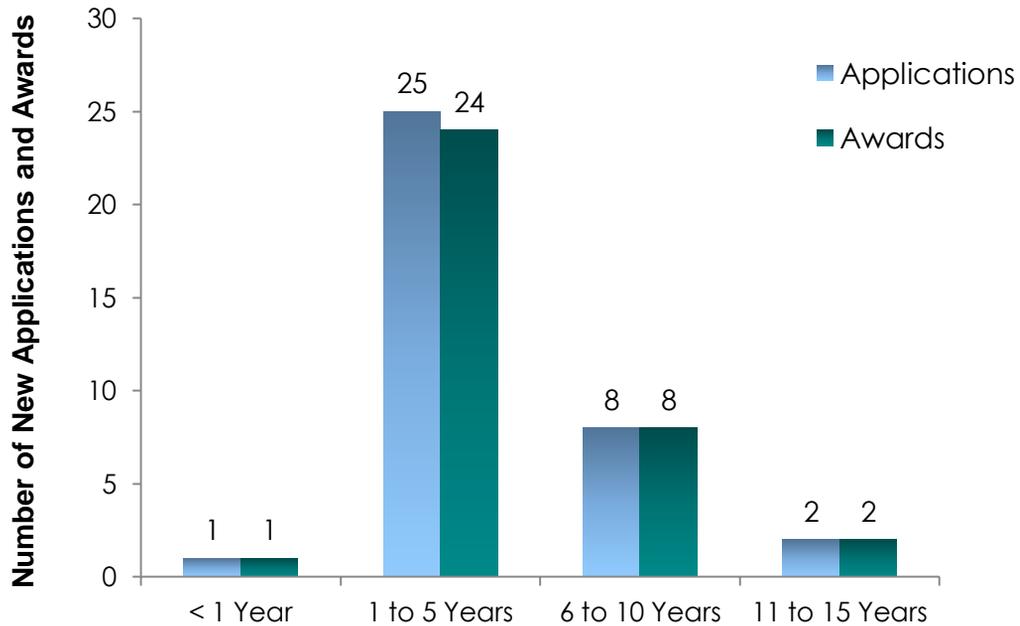
## Funding by NIH Institutes and Centers Renewal Awards

The Intramural Loan Repayment Programs awarded 51 renewal LRP contracts from 14 different ICs in FY 2011.

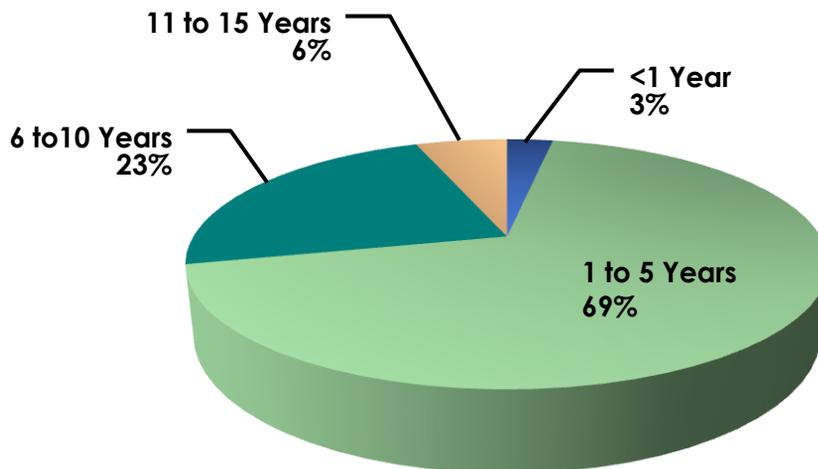
CC	3	\$144,890
NCI	15	\$417,646
NHGRI	2	\$67,266
NHLBI	2	\$32,619
NIA	1	\$6,708
NIAID	14	\$438,577
NIAMS	1	\$51,275
NICHD	2	\$62,753
NIDA	1	\$18,725
NIDCR	1	\$19,290
NIEHS	4	\$51,900
NIMH	1	\$51,275
NINDS	3	\$60,813
NINR	1	\$17,219

## Applications, Awards, and Success Rates

### New Applications and Awardees By Post-Degree Years



### Distribution of Awards \*



\*Percentages may not total 100% as a result of rounding.

## LRP Awards by Degree New Awards

**Physician Doctorate:** 29 (83%) held MD or DO degrees.

**Professional Clinical Doctorate:** None held DDS, DMD, DVM, DPT, ND, OD, PharmD, or PsyD degrees.

**Academic Doctorate:** 3 (9%) held PhD, DrPH, EdD, or ScD degrees.

**Physician Doctorate / Academic Doctorate:** 3 (9%) held dual MD/PhD degrees.

**Other:** None held an MS/MPH degree.

\*Percentages may not total 100% as a result of rounding.

LRP	Physician Doctorate	Professional Clinical Doctorate	Academic Doctorate	Physician Doctorate / Academic Doctorate	Other	Total
General Research	11	0	2	1	0	14
AIDS Research	0	0	1	0	0	1
Clinical Research for Individuals from Disadvantaged Backgrounds	0	0	0	0	0	0
ACGME	18	0	0	2	0	20
<b>Totals</b>	<b>29</b>	<b>0</b>	<b>3</b>	<b>3</b>	<b>0</b>	<b>35</b>

## LRP Awards by Degree Renewal Awards

**Physician Doctorate:** 37 (72%) held MD or DO degrees.

**Professional Clinical Doctorate:** 2 (4%) held DDS, DMD, DVM, DPT, ND, OD, PharmD, or PsyD degrees.

**Academic Doctorate:** 8 (16%) held PhD, DrPH, EdD, or ScD degrees.

**Physician Doctorate / Academic Doctorate:** 4 (8%) held dual MD/PhD degrees.

**Other:** None held B.S.N., M.S.N., or M.H.S degrees.

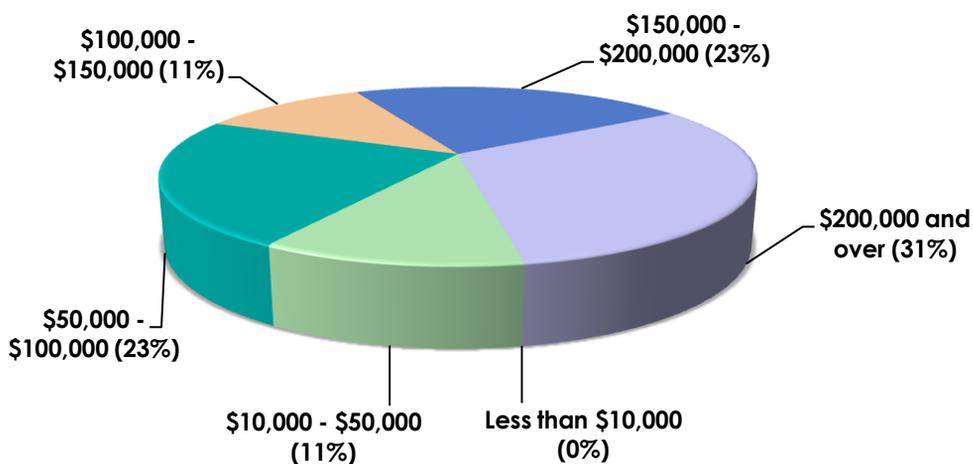
LRP	Physician Doctorate	Professional Clinical Doctorate	Academic Doctorate	Physician Doctorate / Academic Doctorate	Other	Total
General Research	29	2	7	3	0	41
AIDS Research	4	0	1	1	0	6
Clinical Research for Individuals from Disadvantaged Backgrounds	4	0	0	0	0	4
<b>Totals</b>	<b>37</b>	<b>2</b>	<b>8</b>	<b>4</b>	<b>0</b>	<b>51</b>

## Educational Debt Levels of LRP Awardees New Awards

**89 percent of new FY 2011 awardees had educational debt levels in excess of \$50,000.**

Debt Range	Number of Awardees
Less than \$10,000	0
\$10,000 - \$50,000	4
\$50,000 - \$100,000	8
\$100,000 - \$150,000	4
\$150,000 - \$200,000	8
\$200,000 and over	11
<b>Total</b>	<b>35</b>

**Distribution of Awards by Debt Level \***



\*Percentages may not total 100% as a result of rounding.

## Applications, Awards, and Success Rates By Gender New and Renewal Awards

LRP	Male Applicants			Female Applicants			Gender Distribution	
	Applications	Awards	Success Rate	Applications	Awards	Success Rate	% Male Awardees	% Female Awardees
General Research	30	25	83%	30	30	100%	45%	55%
AIDS Research	2	2	100%	5	5	100%	29%	71%
Clinical Research for Individuals from Disadvantaged Backgrounds	1	1	100%	3	3	100%	25%	75%
ACGME *	8	8	100%	11	11	100%	42%	58%
<b>Total*</b>	<b>41</b>	<b>36</b>	<b>88%</b>	<b>49</b>	<b>49</b>	<b>100%</b>	<b>42%</b>	<b>58%</b>

\*One applicant/awardee did not specify gender.

## Awardee Demographics By Ethnicity

LRP	Awards	Hispanic or Latino	Not Hispanic or Latino
All Intramural LRPs	86	7	79
<b>Percentage of Awards</b>	<b>100%</b>	<b>8%</b>	<b>92%</b>

## Awardee Demographics By Race

LRP	American Indian or Alaska Native	Black or African American	Asian	Native Hawaiian or Other Pacific Islander	White	Other / No Response/ More than One Race	Award Totals
All Intramural LRPs	0	4	10	0	57	8	79
<b>Percentage of Awards</b>	<b>0%</b>	<b>5%</b>	<b>13%</b>	<b>0%</b>	<b>72%</b>	<b>10%</b>	<b>100%</b>

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

