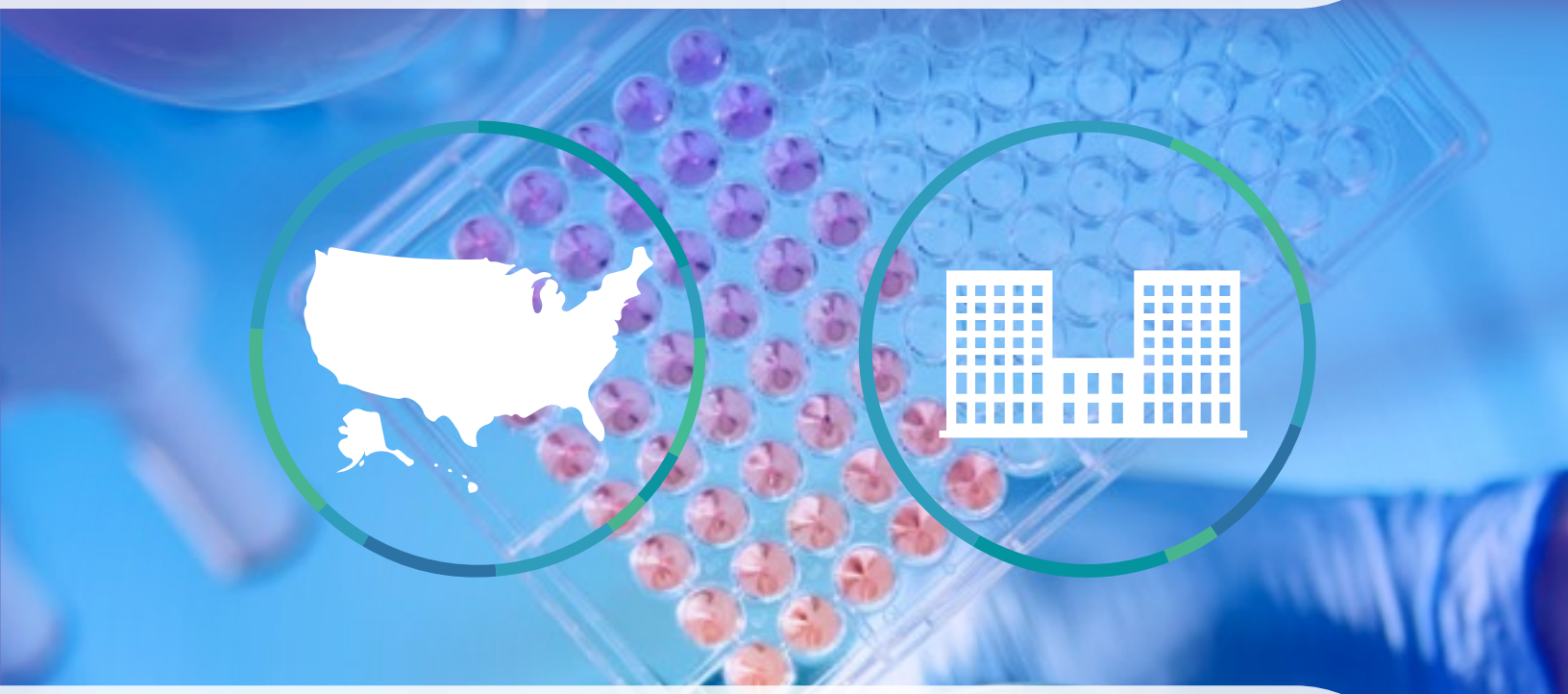
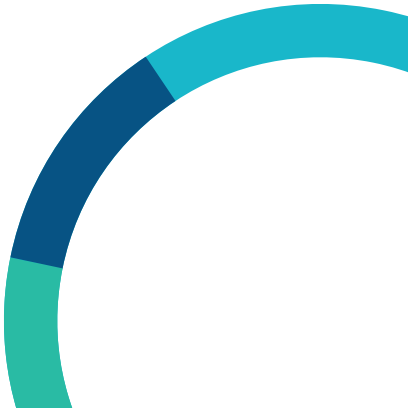
NIH NATIONAL CANCER INSTITUTE

Budget Fact Book for Fiscal Year 2014



U.S. Department of Health & Human Services | National Institutes of Health

TABLE OF CONTENTS



Introduction

The Budget Fact Book provides a summary of the distribution of the National Cancer Institute (NCI) budget for past fiscal years among the various NCI research programs and funding mechanisms. The Budget Fact Book also provides NCI funding policies related to research grant awards.

Fiscal Year 2014 Highlights

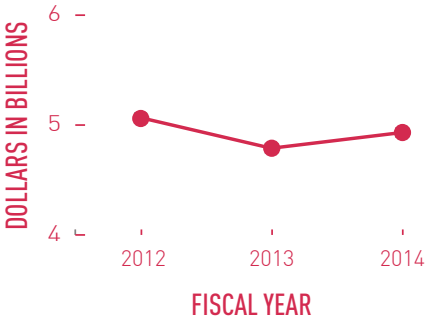
Funds available to the NCI totaled $4.932 billion, an increase of 2.9% which is $143 million more than the previous fiscal year.

- 40.8% of the total NCI Budget was allocated for Research Project Grants (RPGs).
- Including SBIR, the total number of RPGs funded was 4,814.
- Over one-fourth of the RPGs awarded were new (Type 1) or competing renewal (Type 2) awards.
- 1,207 competing RPGs were funded.
- Almost one-third of the budget supported ongoing, non-competing (Type 5) RPGs.
- R01 grants were funded to the 9th percentile.
- 217 grants – totaling $81.8 million – were funded as Small Business Innovation Research (SBIR) and Small Business Technology Transfer (STTR) awards.
- Intramural Research comprised 17.1% of the total NCI budget. Of this amount, about 79% was for laboratory and bench research; the remaining was for research infrastructure and support.

To better identify what the Fact Book contains, NCI is re-titling the “NCI Fact Book” to the “NCI Budget Fact Book”, starting with the 2014 edition. This year, NCI has created a digital version of the Budget Fact Book, with data visualizations and data available for easy download.

Information provided in previous Fact Books can now be found online. For example, view NCI’s Organization Chart on the NIH Office of Management Assessment website. Cancer statistics can be found on the NCI website, as well as more detailed NCI Organization information. A limited number of Fact Books from prior years are available as hardcopy publications through the NCI Publications Locator. Find PDFs of all the NCI Budget Fact Books, dating back to 1971.

NATIONAL CANCER INSTITUTE BUDGET AT A GLANCE FISCAL YEAR 2014



NCI BUDGET INCREASED BY **$143 MILLION** (2.9%) FROM FISCAL YEAR 2013

40.8%

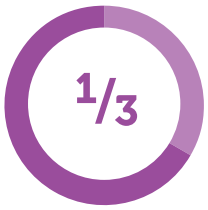
OF THE TOTAL NCI BUDGET ALLOCATED FOR RESEARCH PROJECT GRANTS

THE NATIONAL CANCER INSTITUTE (NCI) PROVIDES FUNDING AND SUPPORT FOR HEALTH-RELATED RESEARCH AND DEVELOPMENT THROUGH THE RPG (R01) GRANT MECHANISM.

4,814

TOTAL NCI-FUNDED RPGs (INCLUDING SBIR)

OF RPG AWARDS WERE NEW (TYPE 1) OR COMPETING RENEWAL (TYPE 2) AWARDS



OF THE TOTAL NCI BUDGET SUPPORTED ONGOING, NON-COMPETING (TYPE 5) RPGs

1,207

NCI-FUNDED COMPETING RPGs

R01 GRANTS FUNDED TO THE 9TH PERCENTILE

totaling over $81.8 million funded as Small Business Innovation Research (SBIR) and Small Business Technology Transfer (STTR) awards.

INTRAMURAL RESEARCH...

comprised 17.1% of the total NCI budget. Of this amount, about 79% was for laboratory and bench research and the remaining was for research infrastructure and support.

www.cancer.gov

Source: 2014 NCI Budget Fact Book

NCI Budget Summary Data

This section of the NCI Budget Fact Book provides data about funds available to NCI and information on how NCI obligated its funding.

Most Recent Fiscal Year Budget

For FY 2014, Congress passed an Omnibus that appropriated $4.923 billion for NCI. After permissive transfers, $4.932 billion was available to NCI to obligate due to additional funding from the NIH Office of Director.

In addition to the appropriated amount for the fiscal year, NCI entered into inter- and intra-agency agreements with other Federal agencies and NIH institutes and centers (ICs). These agreements often provide reimbursements for materials, supplies, equipment, work, or services to assist other agencies and ICs accomplish their missions.

Fiscal Year 2014 Budget

(Whole Dollars)

Actual Obligations Resulting from Appropriated Funds	FY 2014 Amount
FY 2014 Appropriation (Continuing Resolution)	$4,923,238,000
Transfer under the HHS Secretary's transfer authority	-12,359,000
Transfer under the HHS Secretary's transfer authority	-965,000
Transfer from National Children's Study	16,180,552
Transfer from NIH Office of AIDS Research	6,307,000
Lapse	-33,327
Actual Obligations Subtotal	**$4,932,368,225**
Reimbursable Obligations	$20,493,609
Total FY 2014 NCI Obligations	**$4,952,861,834**

Funding Allocated to Major NCI Program Areas

Each fiscal year, NCI and other NIH institutes and centers report their obligations by mechanism. In addition to reporting by mechanism, reporting obligations by program structure is another way of showing how NCI obligates its funding each fiscal year.

For the purposes of reporting by program structure, NCI programs are categorized by budget activity. These budget activities include:

- Research – categorized by the following research thrusts: cancer causation; detection and diagnosis; treatment; cancer biology
- Resource Development – cancer centers support, research manpower development, buildings and facilities
- Cancer Prevention and Control
- Program Management and Support

NATIONAL CANCER INSTITUTE
PROGRAM STRUCTURE
FISCAL YEAR 2014

RESEARCH

69.5% | $3,427,038,225

Cancer Causation	$1,154,410,879	23.4%
Detection & Diagnosis Research	$437,632,502	8.9%
Treatment Research	$1,110,270,383	22.5%
Cancer Biology	$724,724,461	14.7%

RESOURCE DEVELOPMENT

14.2% | $701,486,305

Cancer Centers Support	$523,811,502	10.6%
Research Manpower Development	$169,674,803	3.4%
Buildings & Facilities	$8,000,000	0.2%

CANCER PREVENTION & CONTROL

6.6% | $323,809,715

PROGRAM MANAGEMENT & SUPPORT

9.7% | $480,033,980

TOTAL NCI BUDGET FY 2014*

$4,932,368,225

cancer.gov

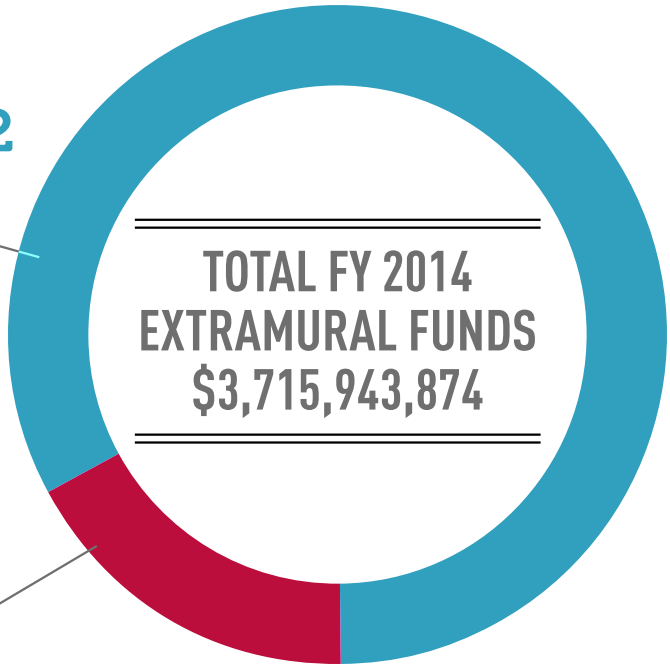
Source: 2014 NCI Budget Fact Book

Extramural Funding

Overall, NCI obligations for its extramural program, which includes grants and contracts, totaled $3.715 billion in FY 2014.

- Obligations for grants totaled approximately 82% of extramural funding
- Obligations for contracts totaled approximately 18% of extramural funding
- Overall, extramural obligations amounted to approximately 75% of the NCI budget in FY 2014

NATIONAL CANCER INSTITUTE
EXTRAMURAL FUNDS
FISCAL YEAR 2014



www.cancer.gov
Source: 2014 NCI Budget Fact Book

Grant Funding, FY 2014

(Whole Dollars)

Type	Amount	Percent
Research Project Grants (RPGs)	$2,012,559,745	54.2%
Cancer Centers/Specialized Centers (SPORES)	543,838,567	14.6%
National Research Service Award (NRSA)	69,217,148	1.9%
Other Research Grants	430,045,912	11.6%
Grants Subtotal	**$3,055,661,372**	**82.2%**

Contracts Funding, FY 2014

(Whole Dollars)

Type	Amount	Percent
Research & Development (R&D) Contracts	$652,282,502	17.6%
Buildings & Facilities	8,000,000	0.2%
Construction Contracts	0	0.0%
Contracts Subtotal	**$660,282,502**	**17.8%**

Obligations by Budget Mechanism & Division

All NIH Institutes and Centers report their actual obligations each fiscal year by budget mechanism. The tables below display NCI funding by mechanism and division. The number of awards, trainees, or employees for each mechanism, as well as the dollar amount and percent share of the total NCI budget for each funding mechanism is also included.

NCI OBLIGATIONS

NCI Obligations by Mechanism, FY 2014

(Whole Dollars)

Type of Mechanism	Mechanism	Number	Amount	% of Total
Research Project Grants (RPGs)	Non-Competing	3,390	$1,455,388,665	29.5%
	Administrative Supplements	216	24,854,023	0.5%
	Competing	1,207	450,476,095	9.1%
	Subtotal, without SBIR/ STTR Grants	4,597	1,930,718,783	39.1%
	SBIR/STTR Grants	217	81,840,962	1.7%
	Subtotal, RPGs	**4,814**	**2,012,559,745**	**40.8%**
Centers & SPOREs	Cancer Centers Grants-P20/P30	68	281,845,225	5.7%
	SPOREs-P50	50	104,601,905	2.1%
	Other P50s/P20s	11	18,203,343	0.4%
	Other Specialized Centers	111	139,188,094	2.8%
	Subtotal, Centers	**240**	**543,838,567**	**11%**
Career Program	Temin & Minority Mentored Awards-K01	49	6,243,040	0.1%
	Estab. Inv. Award-K05	15	1,787,792	0.0%
	Preventive Oncology-K07	59	8,745,014	0.2%
	Clinical Investigator-K08	100	16,018,409	0.3%

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Career Program	Clinical Oncology-K12	15	11,647,327	0.2%
	Stem Cell Research-K18	0	0	0.0%
	Transitional Career Development-K22	27	4,481,622	0.1%
	Mentored Patient Oriented RCDA-K23	31	5,166,481	0.1%
	Mid-Career Invest. & Patient Orient. Res-K24	17	2,921,508	0.1%
	Mentored Quant. Res Career-K25	15	2,103,468	0.0%
	Pathway to Independence Awards-K99	71	8,410,172	0.2%
	Subtotal, Career Program	**399**	**67,524,833**	**1.4%**
Other Research	Cancer Education Program-R25	96	32,932,180	0.7%
	Clinical Cooperative Groups-U10/UG1	102	271,634,579	5.5%
	Minority Biomedical Support-S06	2	240,000	0.0%
	Rsch Enhance-SC1 & Pilot Research - SC2	0	0	0.0%
	Continuing Education	1	100,323	0.0%
	Resource Grants-R24/ U24	25	55,897,698	1.1%
	Explor Coop Agreement-U56	0	0	0.0%

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Other Research	Global Infect. Disease Rsrch Training Prog - D43	0	958,051	0.0%
	Conference Grants-R13	54	758,248	0.0%
	Subtotal, Other Research Grants	**280**	**362,521,079**	**7.3%**
Subtotal, Research Grants		**5,733**	**2,986,444,224**	**60.6%**
National Research Service Award (NRSA) Fellowships	Trainees	1,432	69,217,148	1.4%
R&D Contracts	R&D Contracts	384	614,864,537	12.5%
	SBIR Contracts	63	37,417,965	0.8%
	Subtotal, Contracts	**447**	**652,282,502**	**13.2%**
Intramural Research	Program	1,814	666,866,737	13.5%
	NIH Management Fund/ SSF Assessment	0	178,207,895	3.6%
	Subtotal, Intramural Research *(FTEs)*	**1,814**	**845,074,632**	**17.1%**
Research Management & Support (RMS)	RMS	1,226	304,430,905	6.2%
	SBIR RMS	0	442,900	0.0%
	NIH Management Fund/ SSF Assessment	0	66,475,914	1.4%
	Subtotal, RMS (FTEs)	**1,226**	**371,349,719**	**7.5%**

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Buildings & Facilities		0	8,000,000	0.2%
***Total NCI**	***FTEs:***	**3,040**	**$4,932,368,225**	**100.0%**

DIVISION OBLIGATIONS

Total Division Obligations, FY 2014

(Whole Dollars)

Division	Total
Center for Cancer Research (CCR)	$400,614,445
Division of Cancer Epidemiology and Genetics (DCEG)	89,651,330
Division of Cancer Treatment and Diagnosis (DCTD)	456,295,699
Division of Cancer Biology (DCB)	47,159,910
Division of Cancer Control and Population Sciences (DCCPS)	127,575,634
Division of Cancer Prevention (DCP)	183,799,489
Division of Extramural Activities (DEA)	22,391,913
Office of the Director (OD)	1,592,320,060
Total Division*	**$2,919,808,480**

*Total excludes Research Grants

CENTER FOR CANCER RESEARCH (CCR)

CCR Obligations

(Whole Dollars)

Type of Mechanism	Mechanism	Amount
Intramural Research	Program	$400,614,445
	NIH Management Fund	0
Total CCR*		**$400,614,445**

*Total excludes Research Grants

DIVISION OF CANCER EPIDEMIOLOGY & GENETICS (DCEG)

DCEG Obligations

(Whole Dollars)

Type of Mechanism	Mechanism	Amount
R&D Contracts	R&D Contracts	$23,212,780
	SBIR Contracts	0
Intramural Research	Program	66,438,550
	NIH Management Fund	0
Total DCEG*		**$89,651,330**

*Total excludes Research Grants

DIVISION OF CANCER TREATMENT AND DIAGNOSIS (DCTD)

DCTD Obligations

(Whole Dollars)

Type of Mechanism	Mechanism	Amount
Centers & SPOREs	Cancer Centers Grants-P20/P30	0
	SPOREs-P50	104,476,926
	Other P50s/P20s	9,340,717
	U54s	3,711,513
	Subtotal, Centers	**117,529,156**
Other Research–Grants	Cancer Education Program-R25	0
	Clinical Cooperative Groups-U10/UG1	156,715,537
	Minority Biomedical Support-S06	0
	Sci Eval-U09/T09 & Rsch Enhance-SC1	0
	Continuing Education	0
	Resource Grants-R24/U24	**0**
	Explor Coop Agreement-U56	0
	Global Infect. Disease Rsrch Training Prog - D43	0
	Conference Grants-R13/U13	0
	Subtotal, Other Research Grants	**156,715,537**

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Subtotal, Research Grants		**274,244,693**
R&D Contracts	R&D Contracts	134,250,276
	SBIR Contracts	0
Research Management & Support (RMS)	RMS	47,800,730
	SBIR RMS	0
	NIH Management Fund	0
Total DCTD*		**$456,295,699**

*Total excludes Research Grants

DIVISION OF CANCER BIOLOGY (DCB)

DCB Obligations

(Whole Dollars)

Type of Mechanism	Mechanism	Amount
Centers & SPOREs	Cancer Centers Grants-P20/P30	0
	SPOREs-P50	0
	Other P50s/P20s	0
	U54s	35,497,355
	Subtotal, Centers	**35,497,355**
Research Management & Support (RMS)	RMS	11,662,555
	SBIR RMS	0

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	NIH Management Fund	0
	Subtotal, RMS (FTEs:)	**11,662,555**
Total DCB*		**$47,159,910**

*Total excludes Research Grants

DIVISION OF CANCER CONTROL & POPULATION SCIENCES (DCCPS)

DCCPS Obligations

(Whole Dollars)

Type of Mechanism	Mechanism	Amount
Centers & SPOREs	Cancer Centers Grants-P20/P30	0
	SPOREs-P50	0
	Other P50s/P20s	8,461,256
	U54s	18,567,193
	Subtotal, Centers	**27,028,449**
R&D Contracts	R&D Contracts	69,539,891
	SBIR Contracts	0
	Subtotal, Contracts	**69,539,891**
Research Management & Support (RMS)	RMS	31,007,294
	SBIR RMS	0
	NIH Management Fund	0

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	Subtotal, RMS	**31,007,294**
Total DCCPS*		**$127,575,634**

*Total excludes Research Grants

DIVISION OF CANCER PREVENTION (DCP)

DCP Obligations

(Whole Dollars)

Type of Mechanism	Mechanism	Amount
Centers & SPOREs	Cancer Centers Grants-P20/P30	0
	SPOREs-P50	0
	Other P50s/P20s	388,000
	U54s	2,730,165
	Subtotal, Centers	**3,118,165**
Other Research–Grants	Cancer Education Program-R25	0
	Clinical Cooperative Groups-U10/UG1	110,196,504
	Minority Biomedical Support-S06	0
	Sci Eval-U09/T09 & Rsch Enhance-SC1	0
	Continuing Education	0
	Resource Grants-R24/U24	0
	Explor Coop Agreement-U56	0

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	Global Infect. Disease Rsrch Training Prog - D43	0
	Conference Grants-R13/U13	0
	Subtotal, Other Research Grants	**110,196,504**
Subtotal, Research Grants		**113,314,669**
R&D Contracts	R&D Contracts	49,325,630
	SBIR Contracts	0
	Subtotal, Contracts	**49,325,630**
Research Management & Support (RMS)	RMS	21,159,190
	SBIR RMS	0
	NIH Management Fund	0
	Subtotal, RMS	**21,159,190**
Total DCP*		**$183,799,489**

*Total excludes Research Grants

DIVISION OF EXTRAMURAL ACTIVITIES (DEA)

DEA Obligations

(Whole Dollars)

Type of Mechanism	Mechanism	Amount
Research Management & Support (RMS)	RMS	$22,391,913
	SBIR RMS	0
	NIH Management Fund	0
Total DEA*		**$22,391,913**

*Total excludes Research Grants

OFFICE OF THE DIRECTOR (OD)

OD Obligations

(Whole Dollars)

Type of Mechanism	Mechanism	Amount
Centers & SPOREs	Cancer Centers Grants-P20/P30	$281,845,225
	SPOREs-P50	124,979
	Other P50s/P20s	13,370
	U54s	78,681,868
	Subtotal, Centers	**360,665,442**
Other Research–Career Program	Career Program	0
	Temin & Minority Mentored Awards-K01	6,243,040
	Estab. Inv. Award-K05	1,787,792

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	Preventive Oncology-K07	8,745,014
	Clinical Investigator-K08	16,018,409
	Clinical Oncology-K12	11,647,327
	Stem Cell Research-K18	0
	Transitional Career Development-K22	4,481,622
	Mentored Patient Oriented RCDA-K23	5,166,481
	Mid-Career Invest. & Patient Orient. Res-K24	2,921,508
	Mentored Quant. Res Career-K25	2,103,468
	Pathway Award-K99	8,410,172
	Subtotal, Career Program	**67,524,833**
Other Research–Grants	Cancer Education Program-R25	32,932,180
	Clinical Cooperative Groups-U10/UG1	4,722,538
	Minority Biomedical Support-S06	240,000
	Sci Eval-U09/T09 & Rsch Enhance-SC1	0
	Continuing Education	100,323
	Resource Grants-R24/U24	55,897,698
	Explor Coop Agreement-U56	0

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	Global Infect. Disease Rsrch Training Prog - D43	958,051
	Conference Grants-R13/U13	758,248
	Subtotal, Other Research–Grants	**95,609,038**
Subtotal, Research Grants		**523,799,313**
NRSA Fellowships		69,217,148
R&D Contracts	R&D Contracts	338,535,960
	SBIR Contracts	37,417,965
	Subtotal, Contracts	**375,953,925**
Intramural Research	Program	199,813,742
	NIH Management Fund	178,207,895
	Subtotal, Intramural Research	**378,021,637**
Research Management & Support (RMS)	RMS	170,409,223
	SBIR RMS	442,900
	NIH Management Fund	66,475,914
	Subtotal, RMS	**237,328,037**
Buildings and Facilities		8,000,000
Total OD*		**$1,592,320,060**

*Total excludes Research Grants

RESEARCH GRANTS AND PROGRAM SUPPORT

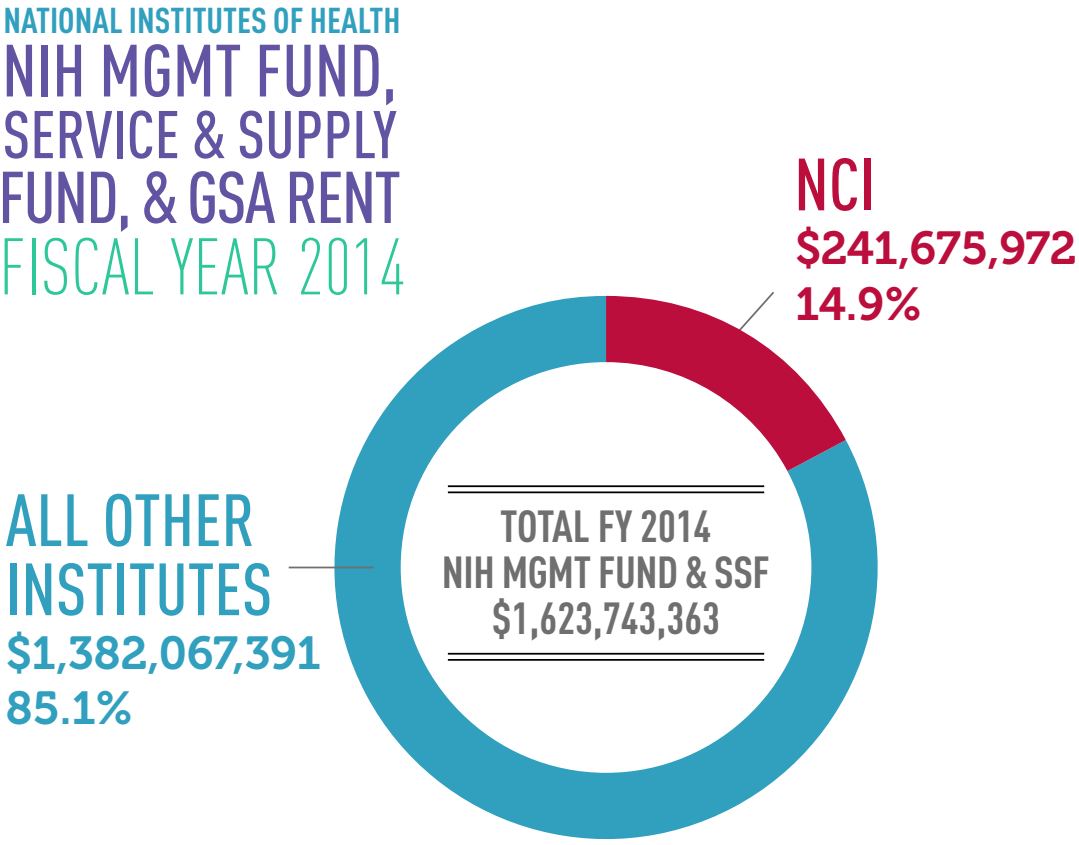
Research Grant and Program Support Obligations

(Whole Dollars)

Type of Mechanism	Mechanism	Amount	Program Support Amount
Research Project Grants	Non-Competing	$1,382,452,665	$72,936,000
	Administrative Supplements	24,854,023	0
	Competing	450,476,095	0
	Subtotal, without SBIR/STTR Grants	1,857,782,783	0
	SBIR/STTR Grants	81,840,962	0
Subtotal, RPGs		**$1,939,623,745**	**$72,936,000**

NIH Management Fund, Service and Supply Fund (SSF), and GSA Rent

The Management Fund provides financing for many common research and administrative support activities to maintain NIH scientific operations. The chart and table below show the distribution of NCI's payment for these common activities and NCI's share as a percent of NIH total.



www.cancer.gov
Source: 2014 NCI Budget Fact Book

NIH Management Fund, SSF, and GSA Rent FY 2014

(Whole Dollars)

Distribution of NCI Payment	Amount	Share of NCI
Clinical Center	$118,085,195	48.9%
Center for Scientific Review	13,166,686	5.5%
Center for Information Technology	5,324,681	2.2%
Service & Supply Fund Assessment (SSF)	79,142,610	32.8%
Other Research Services	13,791,054	5.7%
Other OD	12,165746	5.0%
Total NCI Management Fund & SSF	**$241,675,972**	**100%**

Management Fund & SSF Subtotals

(Whole Dollars)

Type	Amount	Percent
NCI	$241,675,972	14.9%
Other NIH Institutes	$1,382,067,391	85.1%
Total NIH MFUND	**$1,623,743,363**	**100%**

The Management Fund provides for the financing of certain common research and administrative support activities to maintain NIH scientific operations.

- **Clinical Center**: Admissions and follow-up anesthesiology, diagnostic x-ray, nuclear medicine, clinical pathology, blood bank, rehabilitation medicine, pharmacy, medical records, nursing services, patient nutrition services, housekeeping services, laundry, and social work

- **Center for Scientific Review**: Initial scientific review of applications and assignment of research grant applications to institutes

- **Center for Information Technology**: Research and development program in which concepts and methods of computer science are applied to biomedical problems

- **GSA Rental Payments for Space**: All building rental costs, including utilities and guard services

- **Other Research Services**: Procurement, safety, engineering, biomedical engineering, veterinary resources, and library services

- **Service & Supply Fund (SSF)**: Mainframe computing, enterprise IT software planning and development, engineering planning and design, printing, telecommunications, procurement, shipping and receiving, motor pool, research animals, fabrication and maintenance of scientific equipment, utilities and plant maintenance, and biomedical engineering

Special Sources of Funds

COOPERATIVE RESEARCH AND DEVELOPMENT AGREEMENTS (CRADAS)

Under the Federal Technology Transfer Act of 1986 (PL 99-502), government laboratories are authorized to enter into Cooperative Research and Development Agreements (CRADAs) with private sector entities. Licensing agreements are usually incorporated into the CRADA document that address patent rights attributable to research supported under the CRADA.

CRADA Receipts Deposited to the U.S. Treasury

(Dollars in Thousands)

Fiscal Year	Carryover from Prior Year	Collections	Obligations
2004	11,351	5,080	5,469
2005	10,962	6,858	4,253
2006	13,567	6,142	7,125
2007	12,584	9,410	8,360
2008	13,634	6,677	7,200
2009	13,111	5,466	4,765
2010	13,813	5,024	5,644
2011	13,150	8,582	5,894
2012	15,504	9,253	5,668
2013	10,587	11,226	8,470
2014	21,173	9,335	5,673

ROYALTY INCOME

NCI retains a portion of the royalty income generated by the patents related to NCI-funded research. A major portion of this royalty income is used to support employees of the laboratory, further scientific exchange, and provide education and training based on the terms of the Federal Technology Transfer Act (PL 99-502). Royalty income is also used to support costs associated with processing and collecting royalty income and for technology transfer efforts at NCI and NIH.

NCI Royalty Income Funding History

(Dollars in Thousands)

Years	Collections*	Inventor Payments	Others
2004/2006	26,923	4,950	21,973
2005/2007	34,086	5,745	28,341
2006/2008	29,811	6,853	22,958
2007/2009	36,344	7,210	29,134
2008/2010	50,269	8,192	42,077
2009/2011	51,621	10,225	41,396
2010/2012	58,515	5,729	52,786
2011/2013	69,155	23,271	45,884
2012/2014	84,876	33,279	51,597
**2013/2015	91,324	16,571	74,753
**2014/2016	112,668	22,154	90,514

*Does not include assessments by NIH.

**2013/2015 and 2014/2016 payments are estimates.

STAMP OUT BREAST CANCER ACT

The Stamp Out Breast Cancer Act (PL 105-41) was established in August 1997, extended in July 2000 (PL 106-253), November 2005 (PL 109-100), December 2007 (PL 110-150), and again in December 2011 (PL 112-80). This act allows postal customers to contribute funding to breast cancer research through their voluntary purchases of special rate postage stamps from the U.S. Postal Service (USPS). Of the funds collected above the postage costs and administrative costs, the Act requires the USPS to transfer 70% to NIH and 30% to the Department of Defense. As of September 2014, NCI has received $55,076,253. NCI has used these funds for research projects directed towards breast cancer research. Thus far, four major programs have been funded, including the Insight Awards to Stamp Out Breast Cancer, the Breast Cancer Research Stamp Exception Program, the Breast Cancer Premalignancy Program, and a clinical trial to determine the risk of breast cancer recurrence. In FY 2014, $1,477,149 million was obligated on Breast Cancer Stamp Fund programs.

Funding for Research Areas

The National Cancer Institute reports how appropriated funds are spent based on different categories or classifications, including specific cancer sites, cancer types, diseases related to cancer, as well as types of NCI research mechanisms. The table below identifies funding levels for frequently requested areas of cancer research.

The research areas in this table do not represent the entire NCI research portfolio. Moreover, funding for research areas often overlap, and therefore the total for all research areas does not add to the total NCI budget. For example, funding for a clinical trial on breast cancer would be included in both the Breast Cancer and the Clinical Trials lines in the table below. Similarly, a basic cancer research project may be relevant to cervical, uterine, and ovarian cancers, and relevant amounts would be included in the amounts for all three areas of cancer research.

The research areas and amounts displayed in the Funding for Research Areas table reflect information that appears in the NCI Funded Research Portfolio (NFRP) web site.

When making decisions about which research projects to fund, NCI leadership focuses on supporting the best science, not setting funding targets for specific research categories or disease areas. All research project applications – regardless of the disease area or research category they address – are subject to rigorous peer-review, which judges applications for funding based on criteria that emphasize scientific merit.

In addition to scientific merit, other factors can affect the funding levels that NCI reports in NFRP. These include factors such as an overall increase or decrease in NCI funding, whether research programs are commencing or terminating, whether the funding for a program has shifted from NCI to another NIH institute, the number of research proposals that qualify for funding, and similar factors.

Finally, although NFRP reports funding levels for research related to specific disease areas and research categories, much of cancer research does not fit neatly into such categories. For example, the NCI spends nearly half of its budget on basic research that is not disease specific. Basic research contributes to our knowledge of the underlying biology of cancer, and what we learn from basic research supports advances for many types of cancer.

Funding by Research Areas

(Dollars in Millions)

Disease Area	FY 2010	FY 2011	FY 2012	FY 2013
Total NCI Budget	**$5,098.1**	**$5,058.1**	**$5,067.3**	**$4,789.0**
AIDS	272.1	270.0	271.7	261.6
Brain & CNS	156.8	172.6	177.5	176.8
Breast Cancer	631.2	625.1	602.9	559.2
Cervical Cancer	77.0	81.4	72.6	63.4
Clinical Trials	852.3	877.8	752.8	676.5
Colorectal Cancer	270.4	265.1	256.3	238.3
Head & Neck Cancers	62.7	61.8	71.1	57.6
Hodgkin Disease	14.6	13.4	15.6	14.5
Leukemia	239.7	227.0	234.7	234.9
Liver Cancer	72.6	66.2	64.6	64.0
Lung Cancer	281.9	296.8	315.1	285.9
Melanoma	102.3	115.6	121.2	122.5
Multiple Myeloma	48.5	54.9	61.3	45.4
Non-Hodgkin Lymphoma	122.4	126.4	119.5	113.7

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Ovarian Cancer	112.3	110.8	111.7	100.6
Pancreatic Cancer	97.1	99.5	105.4	101.9
Prostate Cancer	300.5	288.3	265.1	255.6
Stomach Cancer	14.5	13.4	12.1	11.2
Uterine Cancer	14.2	15.9	19.1	17.8

Note: The figures in this table were created using NCI's coding methodology. More information about this methodology, as well as the research projects associated with these and other disease area categories, are available on the NCI Funded Research Portfolio website.

FY 2014 funds available to the NCI totaled $4.932 billion, reflecting an increase of 2.986 percent, or $143 million from the previous fiscal year. Under the NCI RPG funding policy for FY 2014, non-competing grants were awarded with a 3 percent reduction from the committed level. For more information on NCI's grant funding policy, visit the NCI Division of Extramural Affairs website.

NCI Extramural Programs

The NCI uses most of its budget to fund extramural grants and contracts. The following links provide information about extramural funding by grant activity, institution, state, and country.

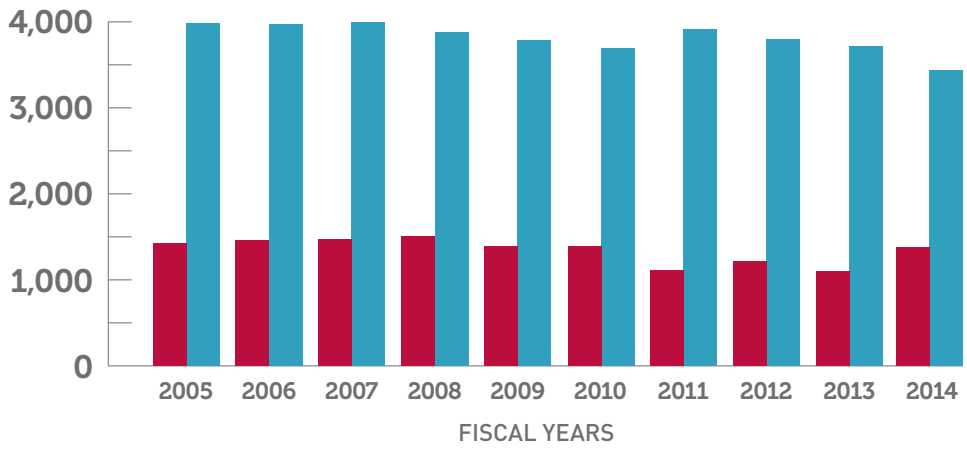
Research Project Grants (RPGs)

During fiscal year 2014,

- About half of NCI funding for competing grants supported grants awarded within the established payline and the amount for Request for Applications (RFAs)
- The other half supported grants as an exception to the fundable range
- RFA funds accounted for 14.1% of the FY 2014 competing dollars. NCI funded a total of 1,207 competing RPGs

NUMBER OF RPG AWARDS

NATIONAL CANCER INSTITUTE
RPGs NUMBER OF AWARDS
FISCAL YEARS 2005-2014



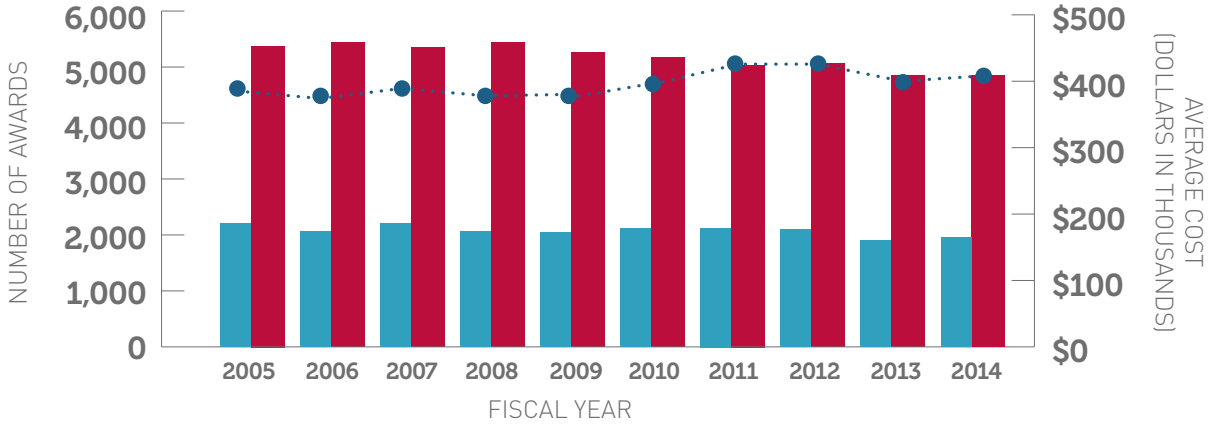
	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
COMPETING	1,428	1,455	1,475	1,503	1,388	1,387	1,106	1,220	1,095	1,378
NON-COMPETING	3,984	3,980	3,997	3,877	3,791	3,692	3,913	3,801	3,721	3,436
TOTAL	5,412	5,435	5,472	5,380	5,179	5,079	5,019	5,021	4,816	4,814

cancer.gov
Source: 2014 NCI Budget Fact Book

NATIONAL CANCER INSTITUTE

RPG FUNDING AND AVERAGE COST

FISCAL YEARS 2005-2014



	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
NO. OF AWARDS	5,435	5,472	5,435	5,472	5,380	5,179	5,019	5,021	4,816	4,814
$ IN MILLIONS	$2,098	$2,053	$2,098	$2,053	$2,021	$2,063	$2,088	$2,075	$1,925	$1,940
AVG. COST	$386.0	$375.2	$386.0	$375.2	$375.7	$398.3	$416.1	$413.3	$399.7	$403.0

www.cancer.gov
Source: 2014 NCI Budget Fact Book

RPGS SUMMARY, FY 2013-2014

RPG Awards Funded

(Dollars in Thousands)

RPG Awards Funded	2013 Number	2013 Amount	2014 Number	2014 Amount
Total Funding for RPGs	4,816	$2,000,161	4,814	$2,012,560
SBIR/STTR	159	71,260	217	81,841
Funding for RPGs without SBIR/STTR Program	4,657	1,928,902	4,597	1,930,719
Continuation or Noncompeting Grants Funded	3,562	1,411,156	3,390	1,480,243

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Competing Grants Funded	1,095	403,945	1,207	450,477
Administrative Supplements	214	38,444	216	24,854
Partial Assessment for DHHS Program Evaluation		75,357		72,936

Funds Set Aside Within Competing Dollars

(Dollars in Thousands)

Grant Category	R01 or Share	2013 Number or %	2013 Amount	2014 Number or %	2014 Amount
Grants within Paylines		663	$196,720	724	$217,174
	Traditional R01	354	139,613	379	154,332
RFA Grants		82	35,925	139	63,344
	Share of Competing Grant Funds	8.9%		14.1%	
Exception Grants		432	207,224	483	233,303
	Share of Competing Grant Funds	51.3%		51.8%	

Competing RPGs

Statistical Measure	2013	2014
Total Competing Application Requests*	7,974	8,568
Funding Success Rate	13.7%	14.1%
Percentile Funding for R01 Grants	9th	9th
Average Cost-Competing	$0	$373
Average Reduction from Recommended/ Requested Levels	-17%	-17%

*Excludes SBIR/STTR

RPGS REQUESTED & AWARDED

The following table displays requested and awarded RPGs and the success rate for fiscal years 2013 and 2014. These numbers include Small Business Innovation Research (SBIR) and Small Business Technology Transfer (SBTT) awards.

RPGs Requested, Awarded, and Success Rate

(Dollars in Thousands)

Fiscal Year	Type	Number Requested	Amount Requested	Number Awarded	Amount Awarded	Success Rate
2013	Competing New	8,191	2,964,897	1,017	342,519	
	Competing Renewal	615	350,678	178	95,545	
	Competing Supplement	6	1,649	0	0	

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	Competing Subtotal	8,812	3,317,224	1,195	438,064	13.6%
	Non-Competing			3,621	1,486,740	
	FY 2013 RPG Total			**4,816**	**$1,924,804**	
2014	Competing New	8,805	3,183,390	1,195	393,121	
	Competing Renewal	619	351,443	179	108,852	
	Competing Supplement	18	7,201	4	915	
	Competing Subtotal	9,442	3,542,034	1,378	502,888	14.6%
	Non-Competing			3,436	1,509,672	
	FY 2014 RPG Total			**4,814**	**$2,012,560**	

RPG AWARDS BY GRANT ACTIVITY CODES

The table displayed below shows annual spending on NCI grant mechanisms for fiscal years 2013 and 2014.

RPG Awards by Grant Codes, FY 2013-2014

(Dollars in Thousands)

Grant Code	2013 Number	2013 Amount	2014 Number	2014 Amount
R01	3,306	$1,182,491	3,085	$1,166,410
DP1	5	2,528	4	4,024
DP2	2	4,755	3	7,489
DP5	5	1,846	6	2,318
P01	124	231,618	109	211,171
R00	72	16,639	84	19,652
R37	38	16,900	25	11,391
RFA	324	204,023	364	201,101
U01	98	57,050	131	72,618
U19	1	1,147	2	3,421
UH2	1	306	1	194
UH3			0	433
UM1	11	23,554	15	29,649
R03	199	15,286	194	15,078
R21	441	82,799	551	102,958
R33	2	662		
R15	28	11,939	23	9,875

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SBIR/STTR	159	71,260	217	81,841
Total	**4,816**	**$1,924,803**	**4,814**	**$1,939,623**

RPGS FUNDING MECHANISMS

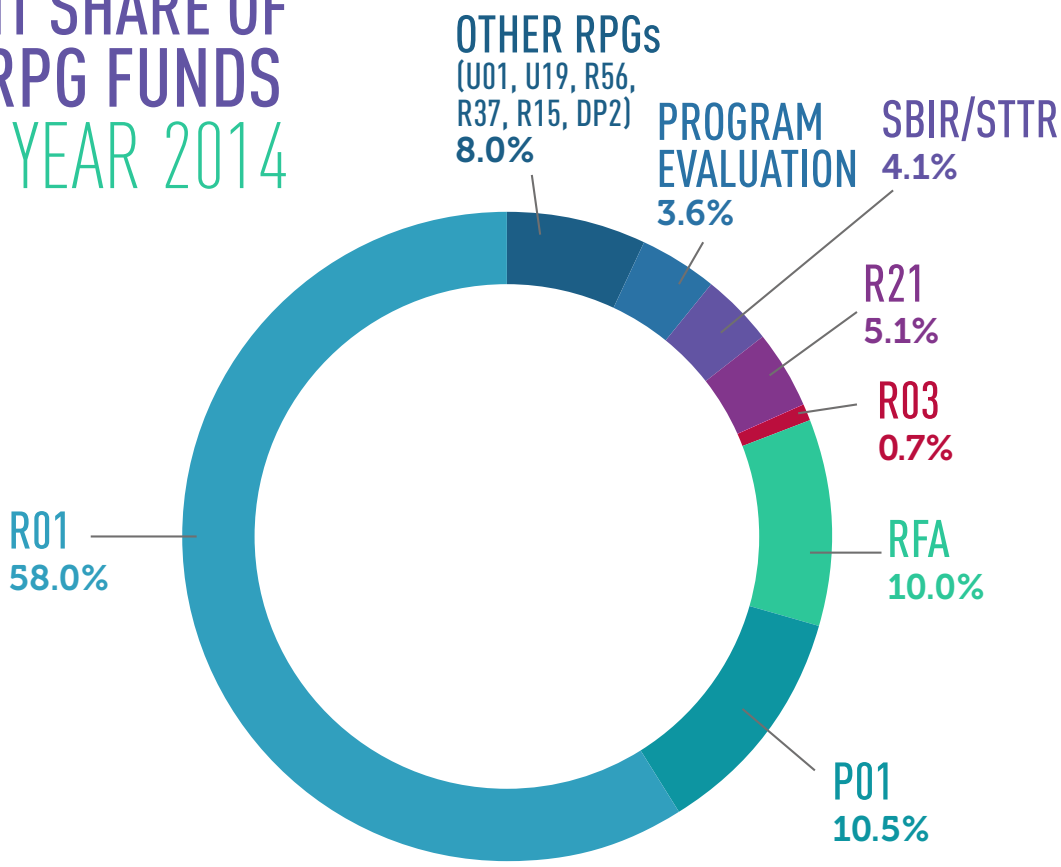
Grant Funding Paylines

RPG Mechanism	2013	2014	Description
R01 Traditional Grants	9th	9th	Percentile
P01 Program Projects	N/A	N/A	SPL* Selected
R03 Small Grants	25	25	Impact Score
R21 Exploratory Phase I	9th	9th	Percentile
R33 Exploratory Phase II	N/A	N/A	SPL* Selected
R41/R42 STTR	28	30	Impact Score
R43/R44 SBIR	28	30	Impact Score

*SPL = Scientific Program Leaders (NCI)

NATIONAL CANCER INSTITUTE

PERCENT SHARE OF TOTAL RPG FUNDS FISCAL YEAR 2014



RPG: Research Project Grant

SBIR/STTR: Small Business Innovation Research/ Small Business Technology Transfer

RFA: Request for Application

www.cancer.gov

Source: 2014 NCI Budget Fact Book

Grants to NCI-Designated Cancer Centers

NCI-designated cancer centers are institutions dedicated to research to develop more effective approaches to prevent, diagnose, and treat cancer.

NCI-Designated Cancer Center Totals, FY 2014

(Whole Dollars)

Mechanism	Count	Amount
Total P30s	68	$269,978,923
Planning Grants (P20s)	18	3,178,787
Other P20, P30 & U41	0	8,687,515
Total Cancer Centers	**86**	**$281,845,225**

NCI-Designated Cancer Centers by State, FY 2014

(Whole Dollars)

State	Grantee Institution	Code	Amount
Alabama	University of Alabama at Birmingham	Comprehensive Core	$5,379,279
Arizona	University of Arizona	Comprehensive Core	3,960,199
California	Burnham Institute for Medical Research	Basic Core	3,848,959
	City of Hope/Beckman Research Institute	Comprehensive Core	2,131,661
	Salk Institute for Biological Studies	Basic Core	2,909,796
	Stanford University	Clinical Core	3,396,915
	University of California San Diego	Comprehensive Core	3,838,810

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	University of California Davis	Comprehensive Core	3,319,207
	University of California Irvine	Comprehensive Core	1,285,288
	University of California Los Angeles	Comprehensive Core	4,678,192
	University of California San Francisco	Comprehensive Core	7,174,995
	University of Southern California	Comprehensive Core	6,289,895
Colorado	University of Colorado Denver	Comprehensive Core	3,761,683
Connecticut	Yale University	Comprehensive Core	3,280,007
Dist. of Col	Georgetown University	Comprehensive Core	2,325,000
Florida	H. Lee Moffitt Cancer Center & Research Institute	Comprehensive Core	3,067,201
Georgia	Emory University	Clinical Core	1,634,858
Hawaii	University of Hawaii at Manoa	Comprehensive Core	1,583,805
Illinois	Northwestern University at Chicago	Comprehensive Core	4,811,132
	University of Chicago	Comprehensive Core	4,248,660

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Indiana	Indiana Univ-Purdue Univ at Indianapolis	Clinical Core	1,634,792
	Purdue University West Lafayette	Basic Core	1,525,000
Iowa	University of Iowa	Comprehensive Core	2,651,000
Kansas	University of Kansas Medical Center	Clinical Core	1,585,000
Kentucky	University of Kentucky	Clinical Core	1,725,000
Maine	Jackson Laboratory	Basic Core	2,023,677
Maryland	Johns Hopkins University	Comprehensive Core	7,184,409
	University of Maryland Baltimore	Clinical Core	1,535,000
Massachusetts	Dana-Farber Cancer Institute	Comprehensive Core	10,915,166
	Massachusetts Institute of Technology	Basic Core	3,738,697
Michigan	University of Michigan at Ann Arbor	Comprehensive Core	6,349,946
	Wayne State University	Comprehensive Core	2,534,346
Minnesota	Mayo Clinic Rochester	Comprehensive Core	5,613,500
	University of Minnesota Twin Cities	Comprehensive Core	3,366,367

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Missouri	Washington University	Comprehensive Core	4,374,022
Nebraska	University of Nebraska Medical Center	Clinical Core	1,485,000
New Hampshire	Dartmouth College	Comprehensive Core	3,183,736
New Jersey	Rutgers Cancer Institute of New Jersey	Comprehensive Core	2,933,772
New Mexico	University of New Mexico	Clinical Core	2,001,081
New York	Albert Einstein College of Medicine Yeshiva University	Clinical Core	3,808,748
	Cold Spring Harbor Laboratory	Basic Core	4,608,416
	Columbia University Health Sciences	Comprehensive Core	4,041,904
	New York University School of Medicine	Clinical Core	2,562,445
	Roswell Park Cancer Institute Corp	Comprehensive Core	4,105,617
	Memorial Sloan-Kettering Institute for Cancer Res	Comprehensive Core	12,543,138
	Wayne State University	Comprehensive Core	2,534,346

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North Carolina	Duke University	Comprehensive Core	5,627,084
	University of North Carolina Chapel Hill	Comprehensive Core	6,834,718
	Wake Forest University Health Sciences	Comprehensive Core	1,603,998
Ohio	Case Western Reserve University	Comprehensive Core	4,997,054
	Ohio State University	Comprehensive Core	4,669,673
Oregon	Oregon Health and Science University	Clinical Core	1,615,000
Pennsylvania	Fox Chase Cancer Center	Comprehensive Core	4,014,812
	Thomas Jefferson University	Clinical Core	2,796,731
	University of Pennsylvania	Comprehensive Core	7,524,698
	University of Pittsburgh at Pittsburgh	Comprehensive Core	5,058,094
	Wistar Institute	Basic Core	2,516,380
South Carolina	Medical University of South Carolina	Clinical Core	1,710,467
Tennessee	St. Jude Children's Research Hospital	Comprehensive Core	5,840,603
	Vanderbilt University	Comprehensive Core	6,196,112

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Texas	Baylor College of Medicine	Clinical Core	3,020,376
	University of Texas M.D. Anderson Cancer Center	Comprehensive Core	10,361,108
	University of Texas San Antonio Health Science Center	Clinical Core	1,875,000
	University of Texas Southwestern Medical Center	Clinical Core	1,983,000
Utah	University of Utah	Clinical Core	1,761,512
Virginia	University of Virginia Charlottesville	Clinical Core	2,580,037
	Virginia Commonwealth University	Clinical Core	1,600,000
Washington	Fred Hutchinson Cancer Research Center	Comprehensive Core	10,191,159
Wisconsin	University of Wisconsin Madison	Comprehensive Core	4,645,986

Specialized Programs of Research Excellence (SPOREs)

In 1992, the NCI established the Specialized Programs of Research Excellence (SPORE). The NCI Translational Research Program (TRP) is the home of the SPOREs, and a cornerstone of NCI's efforts to promote collaborative, interdisciplinary translational cancer research. SPORE grants involve both basic and clinical/applied science, and support projects that will result in new and diverse approaches to the prevention, early detection, diagnosis and treatment of human cancers.

Each SPORE focuses on a specific organ site, such as breast or lung cancer, or on a group of highly related cancers, such as gastrointestinal cancers. SPOREs are designed to enable the rapid and efficient movement of basic scientific findings into clinical settings, as well as to determine the biological basis for observations made in individuals with cancer or in populations at risk for cancer.

FY 2014 Funding for SPORE Grants

(Whole Dollars)

Mechanism	Site	Number	Amount
P50 SPOREs	Brain	5	$10,568,414
	Breast	6	13,335,061
	Cervical	1	2,162,000
	Genitourinary	1	1,910,079
	Gastrointestinal	5	10,340,662
	Head and Neck	3	6,325,987
	Leukemia	2	4,323,447
	Lung	3	6,458,998
	Lymphoma	3	6,486,003
	Melanoma	2	4,324,000
	Ovarian	3	4,878,120
	Pancreatic	3	6,486,000

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	Prostate	6	12,357,354
	Skin	6	12,455,780
	Uterine	1	2,162,000
P50 Subtotal		**50**	**$104,600,905**
Co-funded	Head & Neck with NIDCR	0	
Total Co-funded			**$1,000**
Total SPOREs		**50**	**$104,601,905**

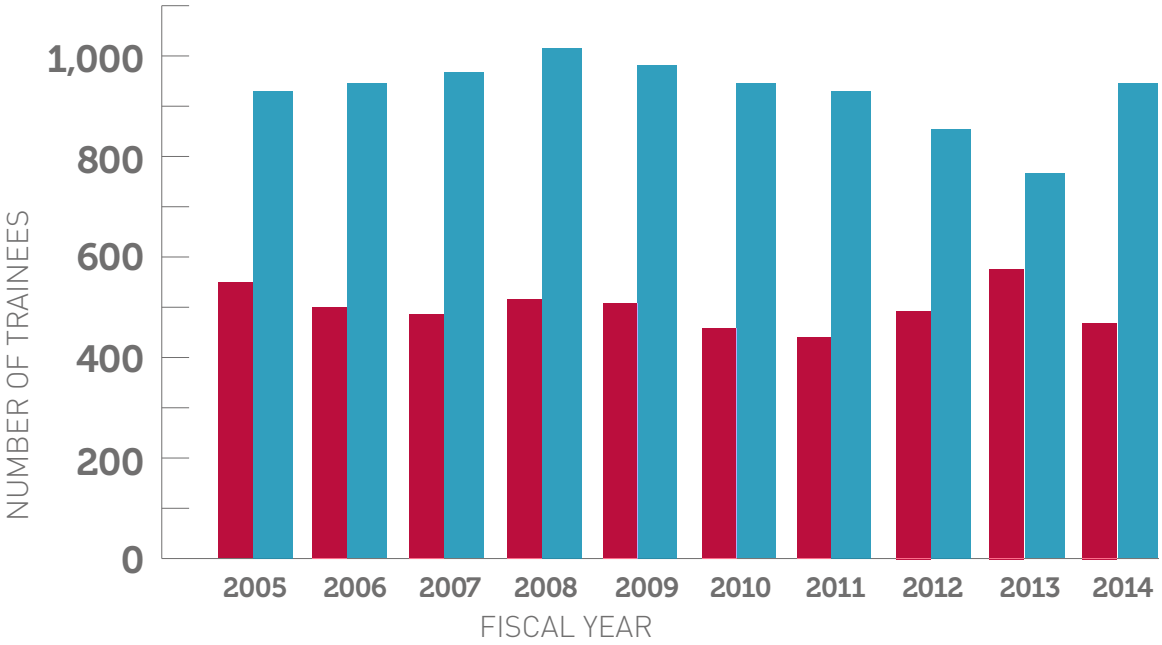
Dr. Ruth L. Kirschstein National Research Service Awards (NRSA)

This trainee award program is named after Dr. Ruth L. Kirschstein, a polio vaccine researcher and a champion of research training and inclusion of underrepresented individuals in the scientific workforce. Dr. Kirschstein was the first woman to become director of an NIH institute.

The NCI Ruth L. Kirschstein National Research Service Award (NRSA) program helps ensure that a diverse pool of highly trained scientists is available in appropriate scientific disciplines to meet the Nation's biomedical, behavioral, and clinical research needs.

NATIONAL CANCER INSTITUTE
NATIONAL RESEARCH SERVICE AWARDS (NRSAs)
PREDOCTORAL AND POSTDOCTORAL TRAINEES
FISCAL YEARS 2005-2014

Full-time trainee positions



	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
PREDOC	546	499	492	511	503	476	464	497	587	485
POSTDOC	923	934	963	1,003	989	952	911	845	766	947
TOTAL	1,469	1,433	1,455	1,514	1,492	1,428	1,375	1,342	1,353	1,432

www.cancer.gov
Source: 2014 NCI Budget Fact Book

Research Career Awards "K" Program

The National Cancer Institute (NCI) career development (K) awards program includes a broad range of funding mechanisms and provides scientists with support to further develop their cancer research careers, transition to independence, expand their existing research programs, or mentor junior investigators. The K awards are a significant component of NCI's training effort.

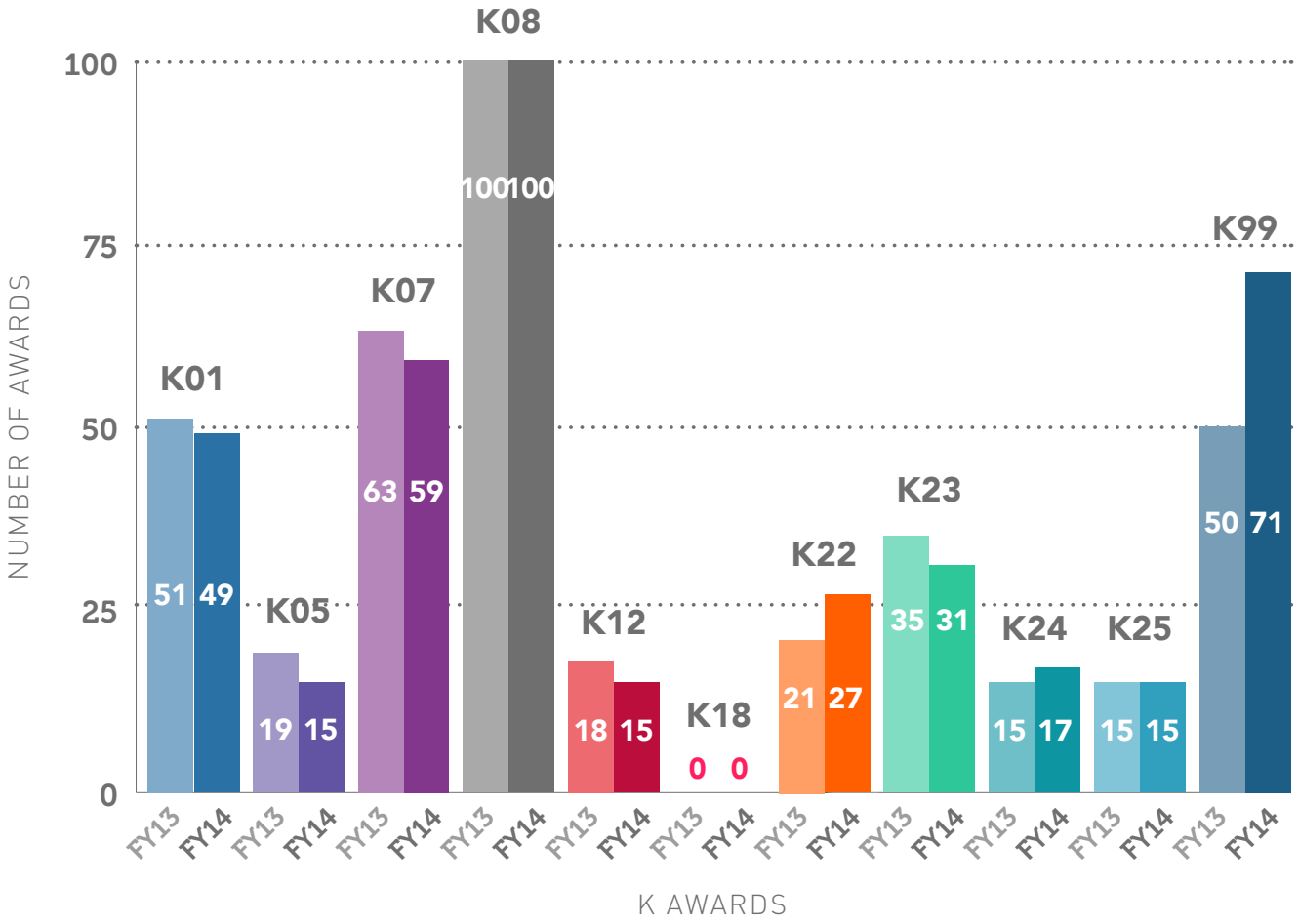
Highlights of the NCI K Program in the past two fiscal years include:

- The total Research Career Award mechanism remained flat in FY 2014
- The number of Research Career Awards increased by 12 between FY 2013 and FY 2014
- NCI funded 71 awards for the NIH Pathway to Independence Program

NATIONAL CANCER INSTITUTE

RESEARCH CAREER AWARDS K PROGRAM

FY 2014 TOTAL AWARDS: 399



K01: Temin & Minority-Mentored Career Development Awards

K05: Research Scientist Awards

K07: Preventive Oncology

K08: Clinical Investigator

K12: Institutional Clinical Oncology

K18: Career Enhancement Award for Stem Cell Research

K22: Transition Career Development

K23: Patient-Oriented Career

K24: Patient-Oriented Career: Mid-Career

K25: Mentored Quantitative Research Career Development Awards

K99: Pathway to Independence Awards

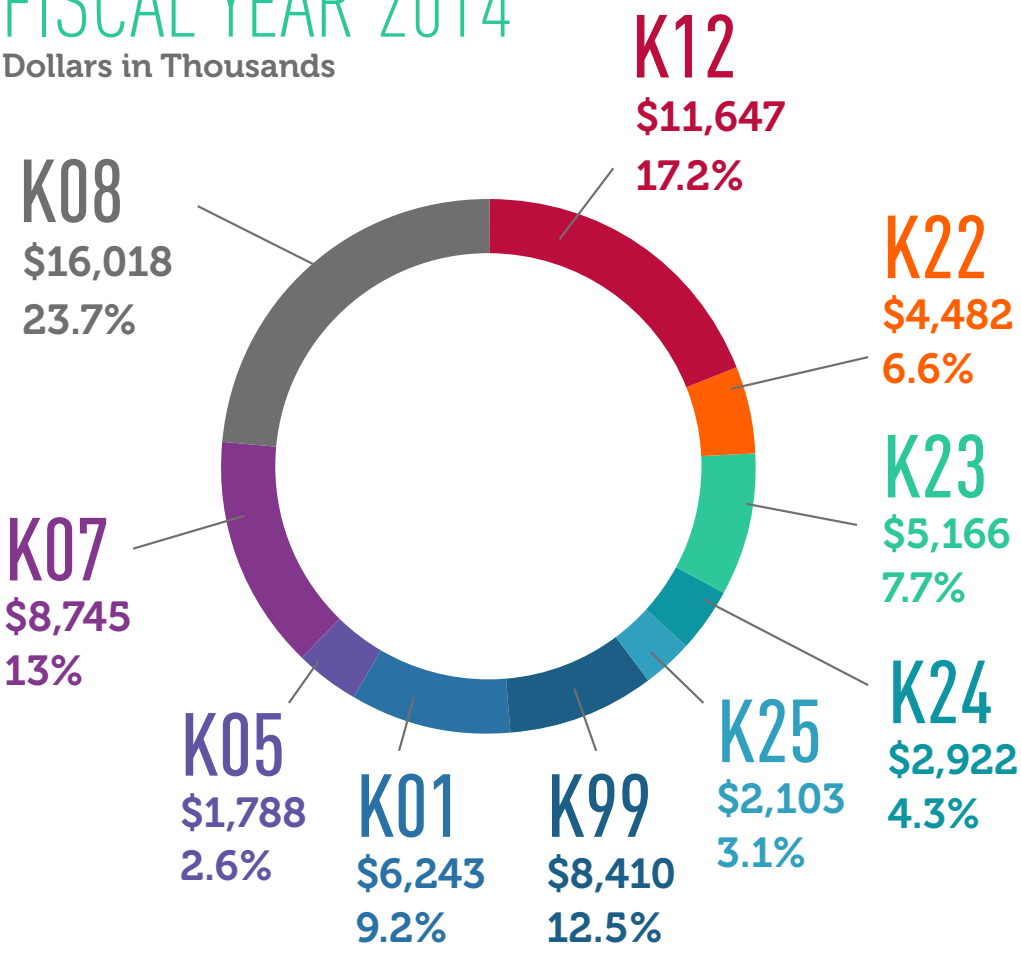
NCI funded 50 awards for the NIH Pathway to Independence Program.

www.cancer.gov

Source: 2014 NCI Budget Fact Book

NATIONAL CANCER INSTITUTE
PERCENT OF TOTAL RESEARCH CAREER AWARD FUNDS
FISCAL YEAR 2014

Dollars in Thousands



K01: Temin & Minority-Mentored Career Development Awards

K05: Research Scientist Awards

K07: Preventive Oncology

K08: Clinical Investigator

K12: Institutional Clinical Oncology

K18: Career Enhancement Award for Stem Cell Research

K22: Transition Career Development

K23: Patient-Oriented Career

K24: Patient-Oriented Career: Mid-Career

K25: Mentored Quantitative Research Career Development Awards

K99: Pathway to Independence Awards

www.cancer.gov

Source: 2014 NCI Budget Fact Book

Research Career Awards "K" Program, FY 2013 and FY 2014

(Dollars in Thousands)

Research Career Award	Number of 2013 Awards	2013 Amt	Number of 2014 Awards	2014 Amt
K01 Temin Awards	10	$1,284	10	$1,195
K01 Minority Mentored Career Development Award	41	5,247	39	5,048
K01 Subtotal	51	6,531	49	6,243
K05 Research Scientist Award	19	2,742	15	1,788
K07 Preventive Oncology	63	9,419	59	8,745
K08 Clinical Investigator	100	16,094	100	16,018
K12 Institutional Clinical Oncology Research	18	12,763	15	11,647
K18 Career Enhancement Award for Stem Cell Research	0	0	0	0
K22 Transitional Career Development	21	3,562	27	4,482
K23 Patient-Oriented Career	35	5,823	31	5,166
K24 Patient- Oriented Career – Mid Career	15	2,599	17	2,922
K25 Mentored Quantitative Research Career Development Award	15	2,061	15	2,103
K99 NIH Pathway to Independence Awards	50	5,930	71	8,410
Research Career Program Total	**387**	**$67,524**	**399**	**$67,525**

Grant and Contract Awards

The following displays the number and dollar amount of grant and contract awards, by state and by country.

Grants are used when no substantial programmatic involvement is anticipated between the NCI and the grant recipient during performance of the financially assisted activities and when there is no expectation on the part of the NCI of a specified service or product for NCI.

Contract mechanisms are used to procure cancer research services and other resources that the Federal government needs to advance the NCI Cancer Research Mission.

GRANT AND CONTRACT AWARDS BY STATE

Grant and Contract Awards by State, FY 2014

(Whole Dollars)

State	No. of Grants	Amount for Grants	No. of Contracts	Amount for Contracts	Total Number	Total Amount
Alabama	67	$29,255,181	4	$1,312,308	71	$30,567,489
Alaska	2	456,480	0	0	2	456,480
Arizona	62	30,282,085	1	3,052,930	63	33,335,015
Arkansas	18	4,670,539	0	0	18	4,670,539
California	897	418,767,498	35	29,278,636	932	448,046,134
Colorado	98	31,176,591	0	0	98	31,176,591
Connecticut	88	32,541,899	1	2,415,394	89	34,957,293
Delaware	3	3,372,706	0	0	3	3,372,706
District of Columbia	59	23,407,567	11	2,764,966	70	26,172,533
Florida	165	67,392,714	7	3,108,245	172	70,500,959
Georgia	133	41,155,213	7	4,848,522	140	46,003,735

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Hawaii	16	16,371,454	1	1,308,045	17	17,679,499
Idaho	0	0	0	0	0	0
Illinois	232	92,148,924	8	8,118,197	240	100,267,121
Indiana	66	23,344,870	1	208,489	67	23,553,359
Iowa	34	14,261,977	1	4,117,645	35	18,379,622
Kansas	33	14,181,386	0	0	33	14,181,386
Kentucky	51	16,750,644	1	1,662,834	52	18,413,478
Louisiana	22	7,033,945	1	1,781,031	23	8,814,976
Maine	8	5,187,992	1	35,887	9	5,223,879
Maryland	206	89,908,149	71	474,295,582	277	564,203,731
Massachusetts	607	303,811,504	12	5,243,839	619	309,055,343
Michigan	189	85,781,334	3	4,652,763	192	90,434,097
Minnesota	189	104,772,626	9	5,894,939	198	110,667,565
Mississippi	5	1,576,897	0	0	5	1,576,897
Missouri	117	46,971,818	4	8,219,968	121	55,191,786
Montana	4	1,165,797	0	0	4	1,165,797
Nebraska	37	15,289,765	0	0	37	15,289,765
Nevada	3	1,514,133	0	0	3	1,514,133
New Hampshire	44	18,699,321	2	209,462	46	18,908,783
New Jersey	63	22,032,408	4	6,252,273	67	28,284,681

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New Mexico	22	12,520,805	1	2,673,036	23	15,193,841
New York	597	273,926,704	5	2,990,119	602	276,916,823
North Carolina	254	111,007,449	7	1,377,102	261	112,384,551
North Dakota	0	0	0	0	0	0
Ohio	223	100,119,588	5	6,030,213	228	106,149,801
Oklahoma	14	4,888,478	2	2,979,162	16	7,867,640
Oregon	53	39,056,536	1	1,000,000	54	40,056,536
Pennsylvania	460	278,894,448	3	648,402	463	279,542,850
Rhode Island	21	4,225,435	1	86,563	22	4,311,998
South Carolina	65	19,297,500	1	1,975,209	66	21,272,709
South Dakota	4	2,573,199	0	0	4	2,573,199
Tennessee	185	92,577,945	0	0	185	92,577,945
Texas	453	200,846,984	4	8,313,388	457	209,160,372
Utah	50	22,554,248	1	1,784,078	51	24,338,326
Vermont	7	5,772,599	0	0	7	5,772,599
Virginia	91	41,340,579	23	32,392,722	114	73,733,301
Washington	218	142,913,402	6	7,676,461	224	150,589,863
West Virginia	3	1,016,278	0	0	3	1,016,278
Wisconsin	92	46,145,569	2	934,235	94	47,079,804
Wyoming	0	0	0	0	0	0

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Subtotal	**6,330**	**$2,962,961,163**	**247**	**$639,642,645**	**6,577**	**$3,602,603,808**
Guam	0	0	0	0	0	0
Puerto Rico	0	0	0	0	0	0
Total	**6,330**	**$2,962,961,163**	**247**	**$639,642,645**	**6,577**	**$3,602,603,808**

GRANT AND CONTRACT AWARDS BY COUNTRY

Grant and Contract Awards by Country, FY 2014

(Whole Dollars)

Country	No. of Grants	Amount for Grants	No. of Contracts	Amount for Contracts	Total Number	Total Amount
Australia	2	$357,673	1	$45,000	3	$402,673
Belgium	1	155,961	0	0	1	155,961
Canada	19	8,572,315	2	1,738,261	21	10,310,576
France	4	2,280,181	0	0	4	2,280,181
India	1	189,801	0	0	1	189,801
Israel	4	974,929	0	0	4	974,929
Japan	0	0	1	209,449	1	209,449
Korea	0	150,000	0	0	0	150,000
Sweden	0	250,000	0	0	0	250,000
Switzerland	5	1,147,380	0	0	5	1,147,380

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United Kingdom	5	0	2	732,218	7	732,218
Total	**42**	**$14,126,430**	**6**	**$2,724,928**	**48**	**$16,851,358**

A "0" indicates an award funded by other NIH Institutes that NCI also co-funded.

Institutions Receiving More Than $15 Million in NCI Support

The following institutions received more than $15 million in support (grants, contracts, or both) from NCI during FY 2014.

Institutions Receiving More Than $15 Million in NCI Support, FY 2014

(Whole Dollars)

State	Institution	Grants	Contracts	Total NCI Support
Alabama	University of Alabama at Birmingham	$24,602,090	$1,034,198	$25,636,288
Arizona	University of Arizona	17,153,598	3,052,930	20,206,528
California	Burnham Institute for Medical Research	18,692,547	0	18,692,547
	City of Hope's Beckman Research Institute	26,644,463	0	26,644,463
	Kaiser Foundation Research Institute	16,278,293	0	16,278,293

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	Stanford University	55,049,282	0	55,049,282
	University of California System	166,821,961	1,151,242	167,973,203
	University of Southern California	32,870,894	3,348,201	36,219,095
Colorado	University of Colorado Health Sciences Center	23,159,114	0	23,159,114
Connecticut	Yale University	27,609,332	0	27,609,332
District of Columbia	Georgetown University	15,875,903	0	15,875,903
Florida	H. Lee Moffitt Cancer Center & Research Institute	26,578,249	490,080	27,068,329
Georgia	Emory University	22,747,588	1,985,031	24,732,619
Hawaii	University of Hawaii at Manoa	15,196,657	1,308,045	16,504,702
Illinois	Northwestern University	26,722,103	2,073,589	28,795,692
	University of Chicago	23,467,902	1,150,388	24,618,290
	University of Illinois at Chicago	15,081,882	37,575	15,119,457

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Iowa	University of Iowa	11,651,068	4,117,645	15,768,713
Indiana	Indiana University - Purdue Univ at Indianapolis	15,045,875	0	15,045,875
Maryland	Information Management Service	0	17,594,335	17,594,335
	The Johns Hopkins University	69,814,718	6,427,925	76,242,643
	Leidos BioMedical Research, Inc	0	296,673,020	296,673,020
	Westat, Inc.	0	26,799,783	26,799,783
Massachusetts	Brigham and Women's Hospital	49,125,708	0	49,125,708
	Dana-Farber Cancer Institute	78,451,654	0	78,451,654
	Harvard University	17,034,231	0	17,034,231
	Massachusetts General Hospital	47,904,147	0	47,904,147
	Massachusetts Institute of Technology	22,421,972	0	22,421,972

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Michigan	University of Michigan at Ann Arbor	54,650,446	0	54,650,446
	Wayne State University	14,492,163	3,906,757	18,398,920
Minnesota	Mayo Clinic in Rochester	58,786,566	2,797,504	61,584,070
	University of Minnesota	31,248,600	124,183	31,372,783
Missouri	Washington University	41,491,411	0	41,491,411
New Hampshire	Dartmouth College	17,750,933	149,462	17,900,395
New York	Albert Einstein College of Medicine	21,672,159	0	21,672,159
	Columbia University Health Sciences	35,592,740	0	35,592,740
	Mount Sinai School of Medicine	23,371,748	0	23,371,748
	New York University	17,583,995	0	17,583,995
	Roswell Park Cancer Institute Corporation	21,468,771	0	21,468,771
	Sloan-Kettering Institute for Cancer Research	72,740,502	1,769,778	74,510,280

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North Carolina	Duke University	34,466,685	0	34,466,685
	University of North Carolina at Chapel Hill	52,306,352	0	52,306,352
Ohio	Case Western Reserve University	22,298,010	0	22,298,010
	Ohio State University	45,033,755	1,195,983	46,229,738
Oregon	Oregon Health and Science University	36,957,924	0	36,957,924
Pennsylvania	ECOG-ACRIN Medical Research Foundation	18,660,055	0	18,660,055
	NRG Oncology Foundation, INC	30,145,719	0	30,145,719
	University of Pennsylvania	59,601,131	0	59,601,131
	University of Pittsburgh	49,684,170	228,432	49,912,602
	Wistar Institute	20,190,797	0	20,190,797
	Children's Hospital of Philadelphia	46,105,334	0	46,105,334

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Tennessee	St. Jude Children's Research Hospital	21,377,684	0	21,377,684
	Vanderbilt University	63,411,306	0	63,411,306
Texas	Baylor College of Medicine	31,842,999	0	31,842,999
	University of Texas, MD Anderson Cancer Center	90,804,059	2,222,953	93,027,012
	University of Texas, SW Medical Center at Dallas	22,736,843	0	22,736,843
Utah	University of Utah	20,264,402	1,784,078	22,048,480
Virginia	University of Virginia	17,175,702	0	17,175,702
Washington	Fred Hutchinson Cancer Research Center	91,445,883	3,845,519	95,291,402
	University of Washington	28,502,639	0	28,502,639
Wisconsin	University of Wisconsin	25,484,368	709,235	26,193,603
	Total	**$2,105,347,082**	**$385,977,871**	**$2,491,324,953**

Includes Manpower Development Grants

NCI Historical Trends

Established in 1937, the National Cancer Institute (NCI) was among the first Institutes of the National Institutes of Health (NIH). From the outset, NCI served as a scientific cornerstone of the NIH. The following links provide information about the history of NCI appropriations and the Professional Judgment (Bypass) Budget, as well as data on funding trends and staffing levels.

Bypass Budget Requests and NCI Appropriations

NCI APPROPRIATIONS

NCI receives its budget from the United States Congress as part of the federal budget process for the Department of Health and Human Services and NIH. The Office of Budget and Finance supports the NCI Director and senior NCI staff on budget-related activities.

The NCI budget for FY 2015 (October 1, 2014 through September 30, 2015) is $4.95 billion, which is slightly above the $4.932 billion budget for FY 2014. The NCI budget has been relatively flat in recent years. During the period from 2005 through 2013, the NCI budget averaged $4.9 billion per year.

Appropriations of the NCI, 1938-2015

(Whole Dollars)

Fiscal Years	Amount	Notes
1938 - 2015	**$116,815,327,220**	
2015	4,950,396,000	
2014	4,923,238,000	Prior to -$12,359,000 HHS Secretary's transfer. -$965,000 Secretary's Cybersecurity Transfer (authorized by section 206 of P.L. 113-76). $16,180,552 Transfer from National Children's Study. Transfer from NIH Office of AIDS Research $6,307,000.
2013	5,072,183,000	Prior to -$254,589,000 under sequestration (Budget Control Act, 2011, PL 112–25), -28,044,000 HHS Secretary's transfer and $9,714,000 restored from the National Children's Study and National Eye Institute HIV/AIDS funding, and $106,000 lapse. Includes 261,550,471 of AIDS funding.

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2012	5,072,183,000	Prior to -$1,445,000 HHS Secretary's transfer, -$3,342,000 HHS Secretary's transfer for Alzheimer's research, and $54,000 lapse. Includes $271,692,000 of AIDS funding.
2011	5,058,577,000	Prior to $472,000 lapse. Includes $269,953,000 of AIDS funding.
2010	5,103,388,000	Prior to -$760,000 HHS Secretary's transfer, -$4,459,000 in NIH transfer for activities, and $22,000 lapse. Includes $272,130,000 of AIDS funding.
2009	4,968,973,000	Prior to reductions in PL 111-8 (-$2,042,631 NIH transfer for activities, and $4,000 lapse). Includes $265,882,000 of AIDS funding.
2008	4,827,556,000	Includes supplemental appropriation of $25,559,000. Includes $258,499,000 of AIDS funding.
2007	4,797,639,000	Prior to reductions in PL 110-5 (-$5,015,000 NIH transfer for GEI activities, and $9,000 lapse). Includes $253,866,000 of AIDS funding.
2006	4,841,774,000	Prior to reductions in PL 109-149 (-$48,418,000 for Labor/HHS/ED rescission; -$3,293,000 HHS transfer for CMS activities; -$42,834,000 NIH 1% transfer for roadmap activities, and $4,000 lapse). Includes $253,866,000 of AIDS funding.
2005	4,865,525,000	Prior to reductions in PL 108-447($38,914,000 .8% across the board reduction; -$1,353,000 for Labor/HHS/ED rescission; -$30,505,000 NIH 1% transfer assessment, and $9,000 lapse). Includes $265,907,000 of AIDS funding.
2004	4,770,519,000	Prior to reductions in PL 108-199(-$3,136,000 for Labor/HHS/ED rescission; $28,128,000 for across the board reduction; -$15,357,000 NIH 1% transfer assessment, and $5,000 lapse). Includes $266,975,000 of AIDS funding.
2003	4,622,394,000	Prior to reductions in PL 108-7(-$30,046,000 for the enacted rescission and -$2,000 lapse). Includes $263,442,000 of AIDS funding.
1938 - 2002	**$52,940,982,220**	

PROFESSIONAL JUDGMENT (BYPASS) BUDGET REQUESTS

The National Cancer Act of 1971 (P.L. 92-218) gives NCI special authority to submit an annual budget estimate directly to the President. Each year, NCI develops the Professional Judgment Budget, commonly known as the Bypass Budget, which reflects NCI cancer research priorities and identifies areas of potential investment in cancer research. NCI submitted its first Professional Judgment Budget, often referred to as the Bypass Budget, for the FY 1974 request.

The NCI Bypass Budget authority in section 407 of the National Cancer Act states:

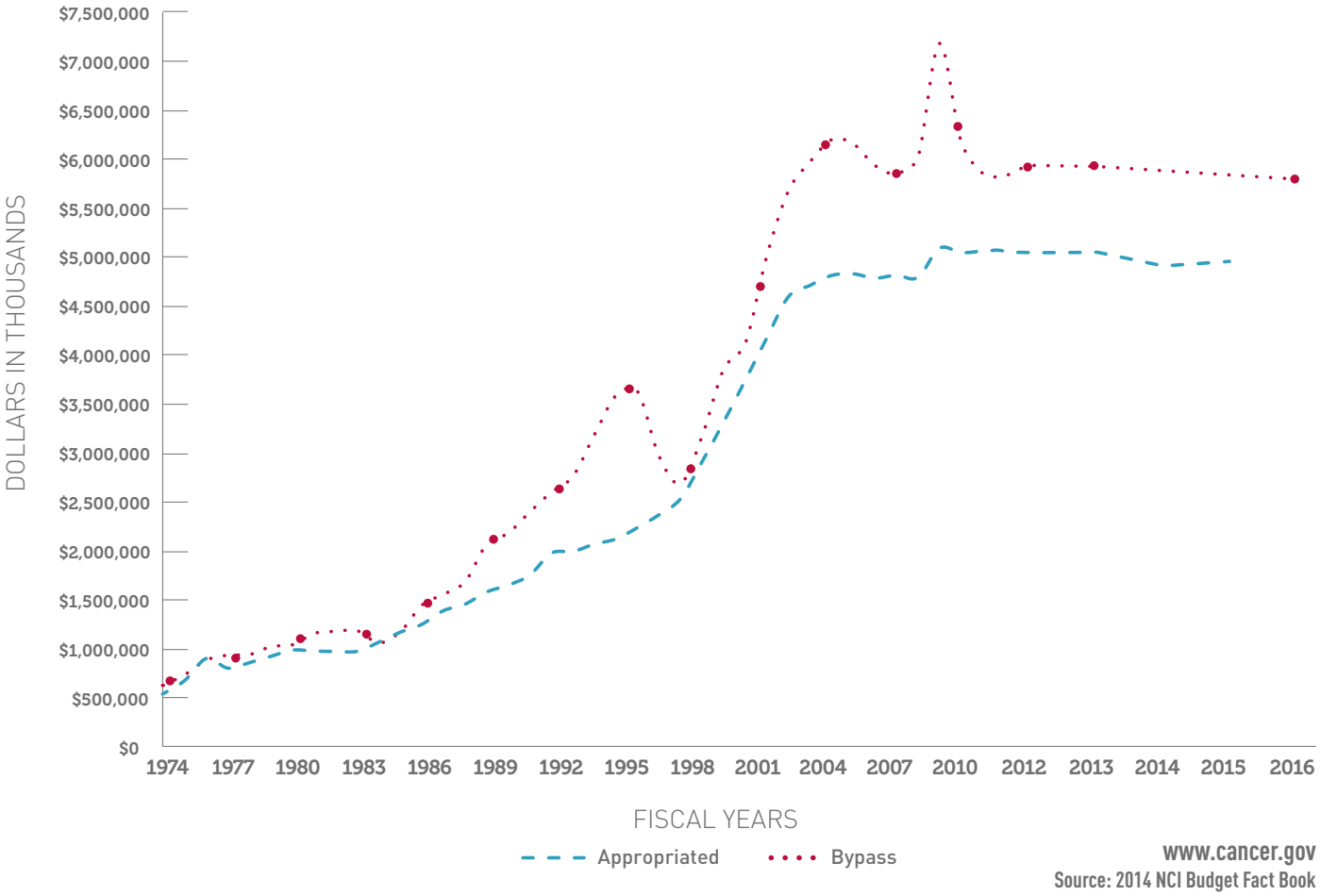
The Director of the Institute in carrying out the National Cancer Program [shall] prepare and submit, directly to the President for review and transmittal to Congress, an annual budget estimate (including an estimate of the number and type of personnel needs for the Institute) for the National Cancer Program, after reasonable opportunity for comment (but without change) by the Secretary [of the Department of Health and Human Services], the Director of NIH, and the Institute's advisory council.

Bypass Budget Requests of the Past 10 Fiscal Years

(Whole Dollars)

Fiscal Year	Request
2016	$5,754,000,000
2013	5,833,010,000
2012	5,869,857,000
2011	6,199,666,000
2010	7,193,393,000
2009	6,028,386,000
2008	5,865,788,000
2007	5,949,714,000
2006	6,170,000,000
2005	6,211,000,000

NATIONAL CANCER INSTITUTE
BYPASS REQUESTS & NCI APPROPRIATIONS
FISCAL YEARS 1974-2016



www.cancer.gov
Source: 2014 NCI Budget Fact Book

NCI Funding Trends

Funding amounts and percentages reflect actual obligations for each fiscal year. The NCI Budget has decreased by $165.8 million, or 3.3%, since 2010.

From FY 2010 to FY 2014, the mechanism shares of the total budget have remained relatively stable except for a decrease in Specialized Grants, and increases in other P50s/P20s and in Other Mechanisms.

NCI FUNDING

Funding, FY 2010-2014

(Dollars in Millions)

Mechanism	2010	2011	2012	2013	2014
Total NCI	**$5,098.1**	**$5,058.1**	**$5,067.3**	**$4,789.0**	**$4,932.4**
Research Project Grants	2,168.1	2,163.7	2,150.6	2,000.2	2,012.6
Cancer Centers	295.9	278.3	279.9	262.2	281.8
SPOREs	133.8	121.9	113.5	104.3	104.6
Other P50s/P20s	38.8	35.2	33.4	21.5	18.2
Other Specialized Centers	142.7	162.7	186.0	146.0	139.2
Clinical Cooperative Groups	254.5	243.9	229.8	235.4	271.6
R&D Contracts	613.8	587.0	589.7	616.0	652.3
Intramural Research	805.3	833.7	857.8	811.6	845.1
Other Mechanisms*	645.5	631.8	626.5	591.8	607.0

*Other mechanisms includes Research Career Program Cancer Education, Minority Biomedical Research Support, Other Grants, National Research Service Awards (NRSA), Research Management & Support, Buildings & Facilities.

PERCENT CHANGE BY MECHANISM

Percent Change by Mechanism, FY 2010-2014

Mechanism	2010 to 2011	2011 to 2012	2012 to 2013	2013 to 2014	2010 to 2014
Total NCI	**-0.8%**	**0.2%**	**-5.5%**	**-3.6%**	**-3.3%**
Research Project Grants	-0.2%	-0.6%	-7.0%	-6.3%	-7.7%
Cancer Centers	-5.9%	0.6%	-6.3%	-8.2%	-11.4%
SPOREs	-8.9%	-6.9%	-8.1%	-20.6%	-22.1%
Other P50s/P20s	-9.3%	-4.9%	-35.8%	-23.6%	-44.6%
Specialized Centers	14.0%	14.4%	-21.5%	25.4%	2.3%
Clinical Cooperative Groups	-4.2%	-5.8%	2.4%	0.4%	-7.5%
R&D Contracts	-4.4%	0.5%	4.5%	1.0%	0.4%
Intramural Research	3.5%	2.9%	-5.4%	3.9%	0.8%
Other Mechanisms*	-2.1%	-0.8%	-5.5%	-8.3%	-8.3%

*Other mechanisms includes Research Career Program Cancer Education, Minority Biomedical Research Support, Other Grants, National Research Service Awards (NRSA), Research Management & Support, Buildings & Facilities.

PERCENT SHARE OF TOTAL NCI DOLLARS

Mechanism Share of NCI Budget, FY 2010-2014

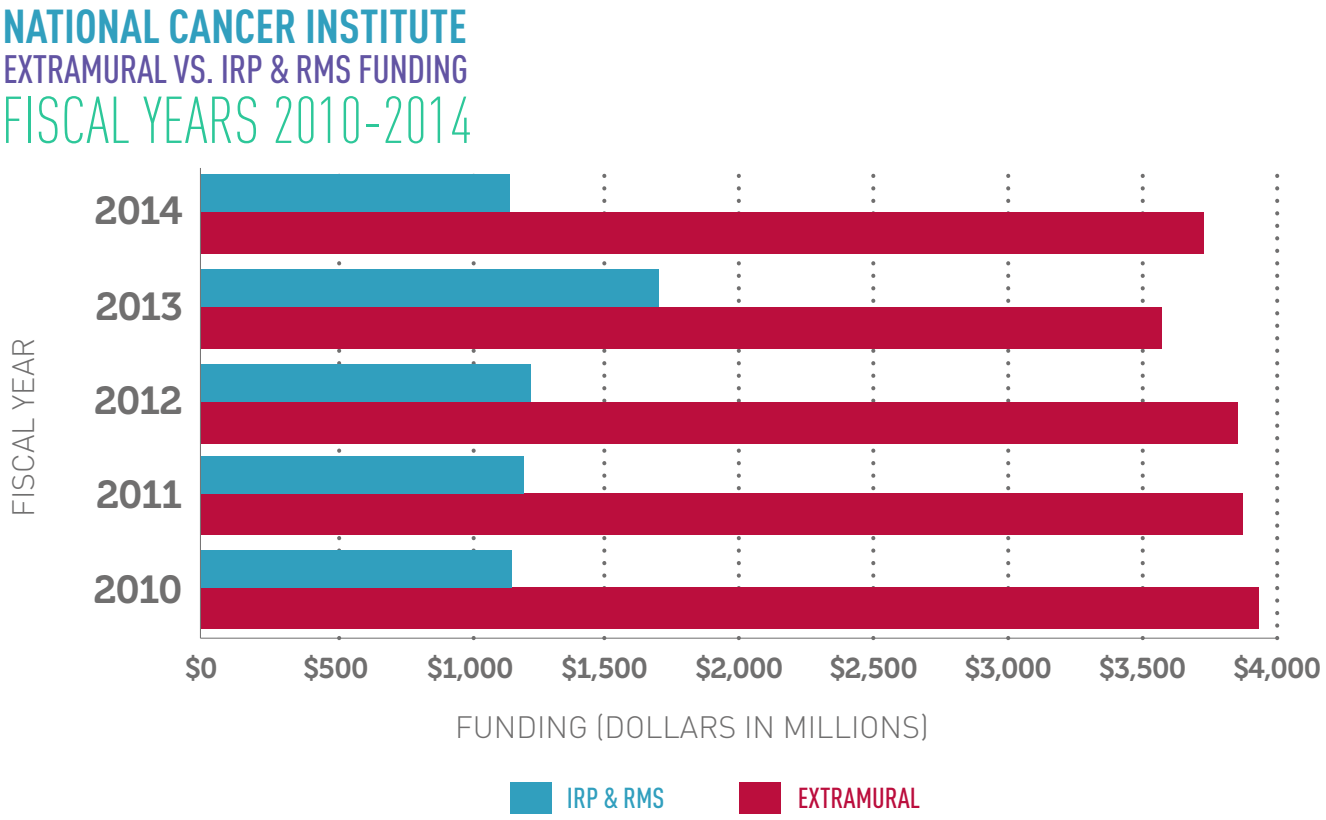
Mechanism	2010	2011	2012	2013	2014
Research Project Grants	42.5%	42.8%	42.4%	41.8%	40.8%
Cancer Centers	5.8%	5.5%	5.5%	5.5%	5.7%
SPOREs	2.6%	2.4%	2.2%	2.2%	2.1%
Specialized Centers	2.8%	3.2%	3.7%	3.0%	0.4%
Other P50s/P20s	0.8%	0.7%	0.7%	0.4%	2.8%
Clinical Cooperative Groups	5.0%	4.8%	4.5%	4.9%	5.5%
R&D Contracts	12.0%	11.6%	11.6%	12.9%	13.2%
Intramural Research	15.8%	16.5%	16.9%	16.9%	17.1%
Other Mechanisms*	12.7%	12.5%	12.4%	12.4%	12.3%

*Other mechanisms includes Research Career Program Cancer Education, Minority Biomedical Research Support, Other Grants, National Research Service Awards (NRSA), Research Management & Support, Buildings & Facilities.

Extramural vs Intramural and RMS Funding

The NCI Budget has decreased by $165.8 million — or 3.3% — since 2010. For most extramural activities, funding has decreased, particularly for SPOREs and Other P50s/P20s. There has been a slight increase in extramural funding for NRSA, R&D Contracts, and Buildings and Facilities between FY 2010 and FY 2014. During this time, intramural research funding has increased, but Research Management and Support (RMS) has decreased.

The following is a comparison broken out by mechanism and total between Extramural dollars spent vs Intramural and RMS.



www.cancer.gov
Source: 2014 NCI Budget Fact Book

FY 2010-2014 Extramural, Intramural and RMS Funding

(Dollars in Millions)

Funding	Mechanism	2010	2011	2012	2013	2014	2010-2014 % Change
Extramural	Research Project Grants	$2,168.1	$2,163.7	$2,150.6	$2,000.2	$2,012.6	-7.2%
	Cancer Centers	295.9	278.3	279.9	262.2	281.8	-4.7%
	SPOREs	133.8	121.9	113.5	104.3	104.6	-21.8%
	Other P50s/ P20s	38.8	35.2	33.4	22.2	18.2	-53.1%
	Other Specialized Centers	142.7	162.7	186.0	145.3	139.2	-2.5%
	Other Research Grants	442.5	425.5	407.5	387.5	430.0	-2.8%
	NRSA	67.6	67.7	66.0	65.8	69.2	2.4%
	R&D Contract	613.8	587.0	589.7	616.0	652.3	6.3%
	Buildings & Facilities	7.9	7.9	7.9	7.9	8.0	1.3%
	Total Extramural Funds	**3,911.0**	**3,849.9**	**3,834.5**	**3,611.5**	**3,715.9**	**-5.0%**
Intramural & RMS	Intramural Research	805.3	833.7	857.8	811.6	845.0	4.9%
	RMS	381.8	374.5	374.9	366.1	371.4	-2.7%
	Total IRP & RMS Funds	**1,187.1**	**1,208.2**	**1,232.8**	**1,177.6**	**1,216.4**	**2.5%**
Total NCI		**5,098.1**	**5,058.1**	**5,067.3**	**4,789.1**	**4,932.3**	**-3.3%**

Comparison of Dollars, Positions, and Space

Funds represent the obligations against the annual NCI appropriation. FTEs are the number of work years for NCI employees. A work year equals 2,080 hours. Space is in thousands of square feet, excluding the facility space at NCI-Frederick.

The increase in space (measured in square feet) during FY 2013 is due to NCI's lease of its Shady Grove complex, a new consolidated facility in Rockville, MD. This facility has the advantage of providing additional space for NCI scientific programs, and includes conference and meeting rooms, a cafeteria and a data center that serves multiple NCI facilities. During FY 2013, NCI was working to decommission their vacated leased facilities. NCI must continue to lease a portion of the vacant space as they complete the decommissioning process.

NCI Personnel

The table below displays NCI-staffing levels, by type of appointment, for the previous 10 fiscal years.

- Full-time equivalents represent 2,080 hours per person employed
- Full-time and part-time appointments include employees from NIH Employment Report 71E
- Training Fellows including visiting fellows, Cancer Research Training Award (CRTA) and the few remaining Intramural Research Training Award (IRTA), biotech, and tech transfers
- Total employees include full-time and part-time permanent tours

NCI Personnel, FY 2004-2014

Fiscal Year	Full Time Permanent	Other Than Full Time Permanent	Training Fellows	Total Personnel Resources
2004	2,083	990	1,232	4,305
2005	1,959	882	1,077	3,918
2006	2,579	289	1,113	3,981
2007	2,421	498	1,111	4,030
2008	2,075	920	1,016	4,011

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2009	2,118	959	1,058	4,135
2010	2,148	1,011	1,073	4,232
2011	2,180	1,029	1,108	4,317
2012	2,139	997	906	4,042
2013	2,173	948	847	3,968
2014	2,139	923	841	3,903

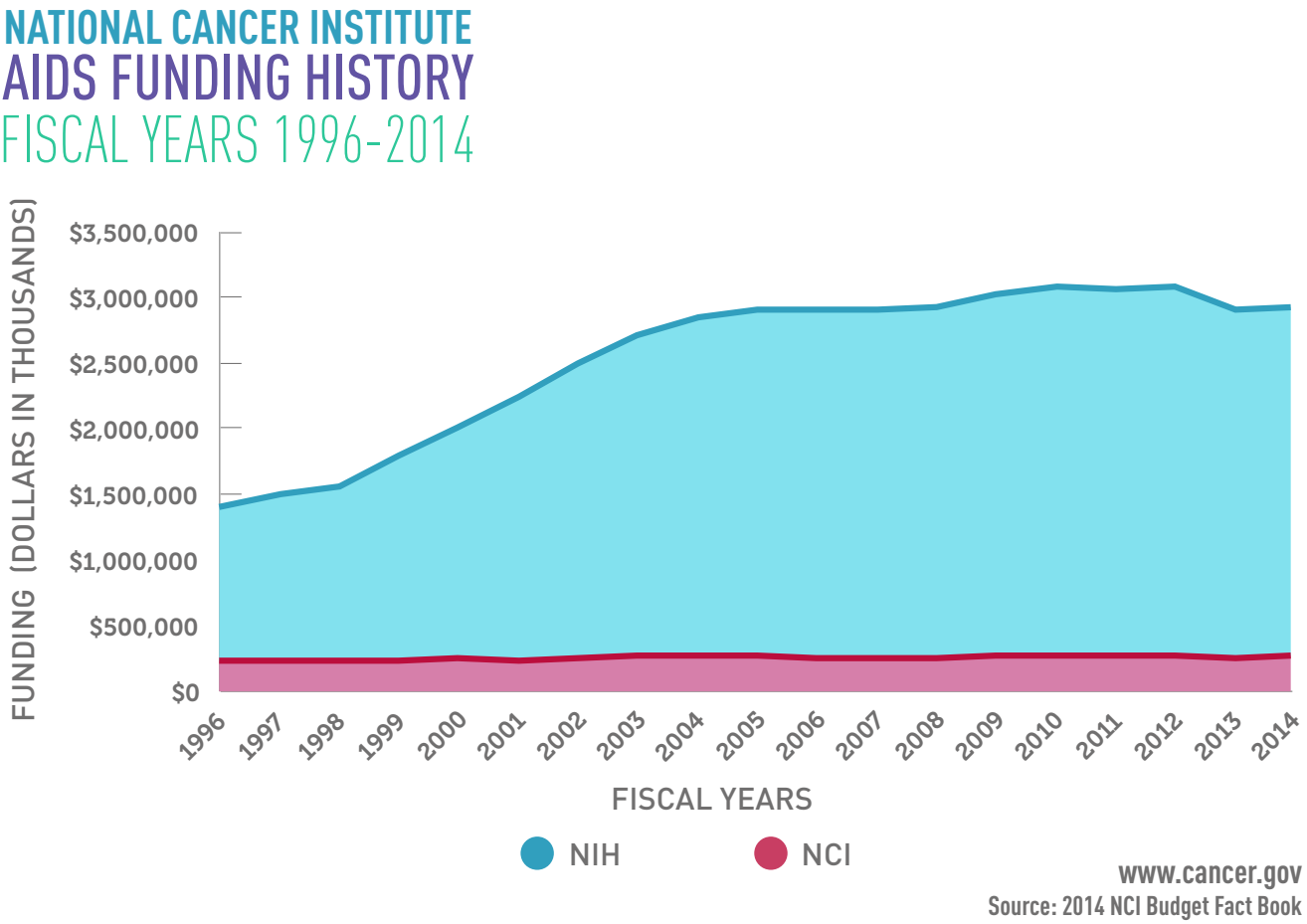
Numbers represent bodies not FTEs

NCI and NIH AIDS Funding History

The NCI has played a major role in HIV/AIDS research since the beginning of the AIDS epidemic. Scientists within and supported by the NCI have made a number of key discoveries. HIV/AIDS research is conducted throughout the Divisions and Offices of the NCI and is coordinated by the NCI Office of HIV and AIDS Malignancy.

In addition, because HIV/AIDS transcends every area of clinical medicine and basic scientific investigation, the NIH AIDS research effort involves every NIH Institute and Center. The NIH Office of AIDS Research has primary responsibility for planning and coordinating AIDS research across the NIH.

The graph below compares NCI and NIH funding of HIV/AIDS research since 1996.



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