

Budget Fact Book for Fiscal Year 2015



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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 2015 Highlights

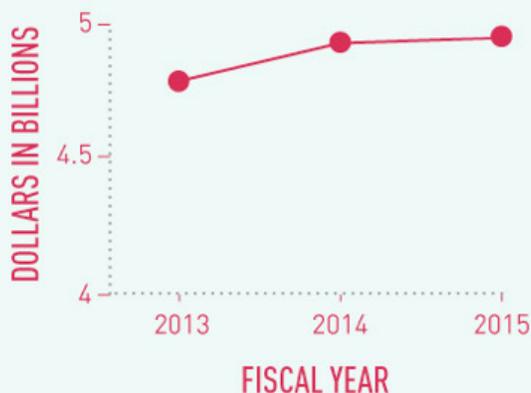
Funds available to the NCI totaled \$4.952 billion, an increase of .09% which is \$20 million more than the previous fiscal year.

- 42.3% of the total NCI Budget was allocated for Research Project Grants (RPGs).
- Including SBIR, the total number of RPGs funded was 4,767.
- Over one-fourth of the RPGs awarded were new (Type 1) or competing renewal (Type 2) awards.
- 1,236 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.
- 194 grants – totaling \$92.6 million – were funded as Small Business Innovation Research (SBIR) and Small Business Technology Transfer (STTR) awards.

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.

The NCI Budget Fact Book data is organized into the following sections. If you have any questions, please contact the Office of Budget and Finance (OBF).

Budget At A Glance: Fiscal Year 2015



NCI BUDGET INCREASED BY \$20 MILLION (0.09%) FROM FISCAL YEAR 2014

42.3%

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.



R01 GRANTS FUNDED TO THE **9TH** PERCENTILE



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

1,236

NCI-FUNDED COMPETING RPGs



194
GRANTS

TOTALING OVER \$92.6 MILLION FUNDED AS SMALL BUSINESS INNOVATION RESEARCH (SBIR) AND SMALL BUSINESS TECHNOLOGY TRANSFER (STTR) AWARDS.

4,767

TOTAL NCI-FUNDED RPGs (INCLUDING SBIR)

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 2015, Congress passed an Omnibus that appropriated \$4.950 billion for NCI. After permissive transfers, \$4.953 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 2015 Budget

(Whole Dollars)

Actual Obligations Resulting from Appropriated Funds	FY 2015 Amount
FY 2015 Appropriation	\$4,950,396,000
Transfer from NIH Office of AIDS Research	2,632,000
Lapse	-434,811
Total FY 2015 NCI Obligations	\$4,952,593,189

Funding Allocated to Major NCI Program Areas

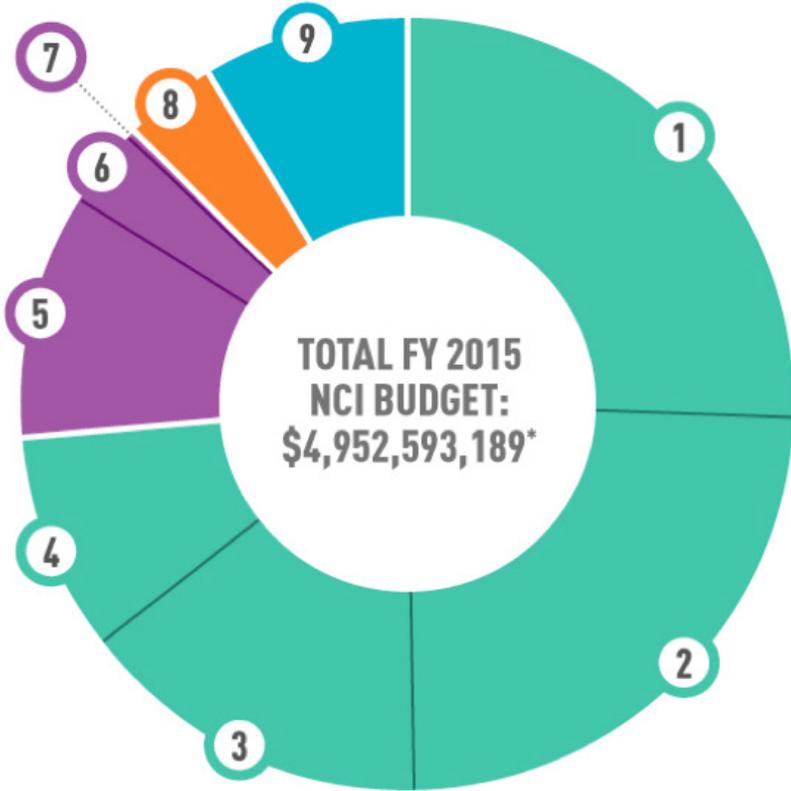
Each fiscal year, NCI and other NIH institutes and centers report their obligations by mechanism. In addition to reporting by mechanism, reporting obligations by program structure is another way of showing how NCI obligates its funding each fiscal year.

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

Program Structure: Fiscal Year 2015

(Whole Dollars)



RESEARCH

1	Cancer Causation	\$1,273,084,708.....25.7%
2	Treatment Research	\$1,190,400,743.....24.0%
3	Cancer Biology	\$733,219,753.....14.8%
4	Detection & Diagnosis Research	\$462,534,811.....9.3%

RESOURCE DEVELOPMENT

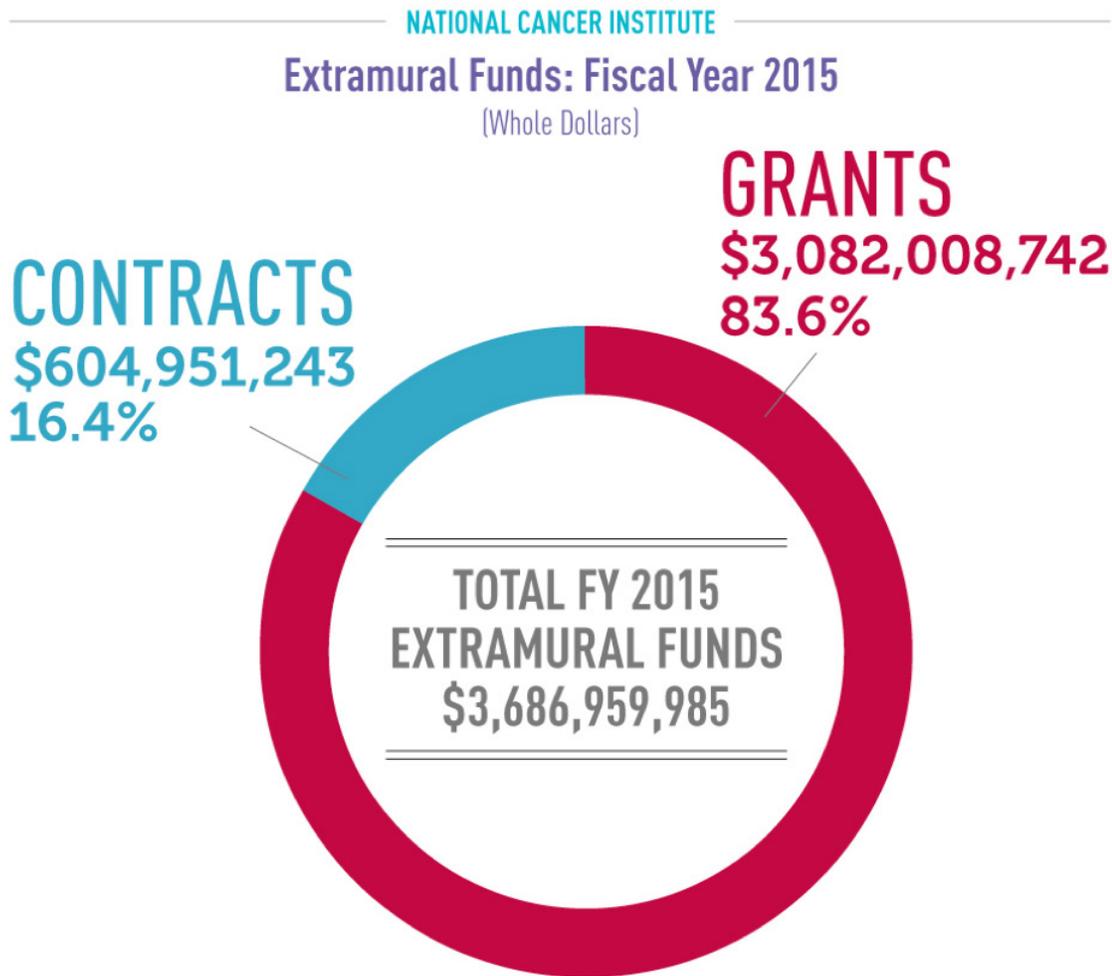
5	Cancer Centers	\$501,763,813.....10.1%
6	Research Manpower Development	\$166,634,464.....3.4%
7	Buildings & Facilities	\$8,000,000.....0.2%
8	CANCER PREVENTION & CONTROL	\$194,483,918.....3.9%
9	PROGRAM MANAGEMENT & SUPPORT	\$422,470,978.....8.5%

*Excludes projects awarded with Stamp Out Breast Cancer funds as well as Royalty income

Extramural Funding

Overall, NCI obligations for its extramural program, which includes grants and contracts, totaled \$3.687 billion in FY 2015.

- Obligations for grants totaled approximately 84% of extramural funding
- Obligations for contracts totaled approximately 16% of extramural funding
- Overall, extramural obligations amounted to approximately 74% of the NCI budget in FY 2015



cancer.gov
Source: 2015 NCI Budget Fact Book

Grant Funding, FY 2015

(Whole Dollars)

Type	Amount	Percent
Research Project Grants (RPGs)	\$2,092,634,914	56.8%
Cancer Centers/Specialized Centers (SPORES)	509,474,614	13.8%
National Research Service Award (NRSA)	69,803,491	1.9%
Other Research Grants	410,095,723	11.1%
Grants Subtotal	\$3,082,008,742	83.6%

Contracts Funding, FY 2015

(Whole Dollars)

Type	Amount	Percent
Research & Development (R&D) Contracts	\$596,951,243	16.2%
Buildings & Facilities	8,000,000	0.2%
Contracts Subtotal	\$604,951,243	16.4%

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 2015

(Whole Dollars)

Type of Mechanism	Mechanism	Number	Amount	% of Total Amount
Research Project Grants (RPGs)	Non-Competing	3,337	\$1,471,436,288	29.7%
	Administrative Supplements	226	20,474,501	0.4%
	Competing	1,236	508,125,718	10.3%
	Subtotal, without SBIR/STTR Grants	4,573	2,000,036,507	40.4%
	SBIR/STTR Grants	194	92,598,407	1.9%
	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	49	102,679,849	2.1%
	Other P50s/P20s	4	5,838,527	0.1%
	Other Specialized Centers	103	112,283,802	2.3%
	Subtotal, Centers	249	509,474,614	10.3%
Career Program	Temin & Minority Mentored Awards-K01	49	6,227,444	0.1%
	Pathway to Independence Awards K-99	64	7,918,241	0.2%
	Clinical Investigator-K08	95	15,276,138	0.3%

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	Clinical Oncology-K12	17	12,265,773	0.3%
	Transitional Career Development-K22	41	6,985,148	0.1%
	Mentored Patient Oriented RCDA-K23	27	4,479,483	0.1%
	Mid-Career Invest. & Patient Orient. Res-K24	17	2,689,074	0.1%
	Mentored Quant. Res Career-K25	11	1,665,557	0.0%
	Estab. Inv. Award-K-05	14	1,448,094	0.0%
	Preventive Oncology-K07	66	9,866,299	0.2%
	Subtotal, Career Program	401	68,821,271	1.4%
Other Research	Cancer Education Program-R25	85	28,025,961	0.6%
	Clinical Cooperative Groups-U10/UG1	102	250,836,831	5.1%
	Minority Biomedical Support-S06	2	240,000	0.0%
	Rsch Enhance-SC1 & Pilot Research - SC2	1	157,000	0.0%
	Resource Grants-R24/ U24	34	59,846,454	1.2%
	Global Infect. Disease Rsrch Training Prog - D43	0	1,415,900	0.0%
	Conference Grants-R13	54	752,306	0.0%

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Subtotal, Research Grants	Subtotal, Other Research Grants	278	341,274,452	6.9%
		5,695	3,012,205,251	60.8%
National Research Service Award (NRSA) Fellowships	Trainees	1,431	69,803,491	1.4%
R&D Contracts	R&D Contracts	386	550,317,518	11.1%
	SBIR Contracts	44	29,256,922	0.6%
	NIH Management Fund/SSF Assessment/Program Evaluation		17,376,803	0.4%
	Subtotal, Contracts	430	596,951,243	12.1%
Intramural Research	Program (FTEs)	1,767	659,609,119	13.3%
	NIH Management Fund/SSF Assessment/Program Evaluation	0	183,553,107	3.7%
	Subtotal, Intramural Research	1,767	843,162,226	17.0%
Research Management & Support (RMS)	RMS (FTEs)	1,231	345,409,286	7.0%
	SBIR RMS	0	1,868,414	0.0%
	NIH Management Fund/SSF Assessment/Program Evaluation	0	75,193,278	1.5%
	Subtotal, RMS	1,231	422,470,978	8.5%

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Buildings & Facilities		0	8,000,000	0.2%
Total NCI	(FTEs)	2,998	\$4,952,593,18	

DIVISION OBLIGATIONS

Total Division Obligations, FY 2015

(Whole Dollars)

Division	Total
Center for Cancer Research (CCR)	\$410,618,027
Division of Cancer Epidemiology and Genetics (DCEG)	90,487,601
Division of Cancer Treatment and Diagnosis (DCTD)	1,114,288,313
Division of Cancer Biology (DCB)	768,354,586
Division of Cancer Control and Population Sciences (DCCPS)	482,293,779
Division of Cancer Prevention (DCP)	319,397,557
Division of Extramural Activities (DEA)	85,687,689
Office of the Director (OD)	1,248,272,548
Total Division*	\$4,519,400,100

*Total excludes Research Grants

CENTER FOR CANCER RESEARCH (CCR)

CCR Obligations

(Whole Dollars)

Type of Mechanism	Mechanism	Amount
Intramural Research	Program	\$410,618,027
	NIH Management Fund	0
Total CCR*		\$410,618,027

*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	\$22,031,578
	SBIR Contracts	0
Intramural Research	Program	68,456,023
	NIH Management Fund	0
Total DCEG*		\$90,487,601

*Total excludes Research Grants

DIVISION OF CANCER TREATMENT AND DIAGNOSIS (DCTD)

DCTD Obligations

(Whole Dollars)

Type of Mechanism	Mechanism	Amount
Research Project Grants (RPGs)	Non-Competing	\$476,184,694
	Administrative Supplements	791,379
	Competing	162,978,079
	Subtotal, RPGs	639,954,152
Centers & SPORES	Cancer Centers Grants-P20/P30	1,008,880
	SPORES-P50	102,460,004
	Other P50s/P20s	5,763,697
	U54s	5,451,184
	Subtotal, Centers	114,683,765
Other Research-Grants	Cancer Education Program-R25	0
	Clinical Cooperative Groups-U10/UG1	147,093,105
	Minority Biomedical Support-S06	0
	Sci Eval-U09/T09 & Rsch Enhance-SC1	0
	Continuing Education	0
	Resource Grants-R24/U24	35,114,190
	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	182,207,295
Subtotal, Research Grants		936,845,212
R&D Contracts	R&D Contracts	129,139,081
	SBIR Contracts	0
	Subtotal, Contracts	129,139,081
Research Management & Support (RMS)	RMS	48,304,020
	SBIR RMS	0
	NIH Management Fund	0
	Subtotal, RMS	48,304,020
Total DCTD*		\$1,114,288,313

*Total excludes Research Grants

DIVISION OF CANCER BIOLOGY (DCB)

DCB Obligations

(Whole Dollars)

Type of Mechanism	Mechanism	Amount
Research Project Grants (RPGs)	Non-Competing	\$528,938,090

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	Administrative Supplements	2,956,146
	Competing	194,916,386
	Subtotal, RPGs	726,810,622
Centers & SPOREs	Cancer Centers Grants-P20/P30	0
	SPOREs-P50	0
	Other P50s/P20s	0
	U54s	25,395,737
	Subtotal, Centers	25,395,737
Other Research-Grants	Resource Grants-R24/U24	3,759,362
	Subtotal, Other Research-Grants	3,759,362
Research Management & Support (RMS)	RMS	12,388,865
	SBIR RMS	0
	NIH Management Fund	0
	Subtotal, RMS	12,388,865
Total DCB*		\$768,354,586

*Total excludes Research Grants

DIVISION OF CANCER CONTROL & POPULATION SCIENCES (DCCPS)

DCCPS Obligations

(Whole Dollars)

Type of Mechanism	Mechanism	Amount
Research Project Grants (RPGs)	Non-Competing	\$260,243,730
	Administrative Supplements	1,771,323
	Competing	85,065,460
	Subtotal, RPGs	347,080,513
Centers & SPORES	Cancer Centers Grants-P20/P30	0
	SPORES-P50	0
	Other P50s/P20s	74,830
	U54s	18,695,252
	Subtotal, Centers	18,770,082
Other Research-Grants	Resource Grants-R24/U24	6,594,268
	Subtotal, Other Research-Grants	6,594,268
R&D Contracts	R&D Contracts	79,678,164
	SBIR Contracts	0
	Subtotal, Contracts	79,678,164
Research Management & Support (RMS)	RMS	30,170,752

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	SBIR RMS	0
	NIH Management Fund	0
	Subtotal, RMS	30,170,752
Total DCCPS*		\$482,293,779

*Total excludes Research Grants

DIVISION OF CANCER PREVENTION (DCP)

DCP Obligations

(Whole Dollars)

Type of Mechanism	Mechanism	Amount
Research Project Grants (RPGs)	Non-Competing	\$100,687,401
	Administrative Supplements	3,708,477
	Competing	43,536,501
	Subtotal, RPGs	147,932,379
Centers & SPORES	Cancer Centers Grants-P20/P30	0
	SPORES-P50	0
	Other P50s/P20s	0
	U54s	2,736,979
	Subtotal, Centers	2,736,979

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Other Research-Grants	Cancer Education Program-R25	0
	Clinical Cooperative Groups-U10/UG1	98,460,569
	Minority Biomedical Support-S06	0
	Sci Eval-U09/T09 & Rsch Enhance-SC1	0
	Continuing Education	0
	Resource Grants-R24/U24	822,647
	Explor Coop Agreement-U56	0
	Global Infect. Disease Rsrch Training Prog - D43	0
	Conference Grants-R13/U13	0
	Subtotal, Other Research Grants	99,283,216
Subtotal, Research Grants		249,952,574
R&D Contracts	R&D Contracts	46,582,636
	SBIR Contracts	0
	Subtotal, Contracts	46,582,636
Research Management & Support (RMS)	RMS	22,862,347
	SBIR RMS	0

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	NIH Management Fund	0
	Subtotal, RMS	22,862,347
Total DCP*		\$319,397,557

*Total excludes Research Grants

DIVISION OF EXTRAMURAL ACTIVITIES (DEA)

DEA Obligations

(Whole Dollars)

Type of Mechanism	Mechanism	Amount
Research Project Grants (RPGs)	Non-Competing	\$32,055,373
	Administrative Supplements	11,247,176
	Competing	21,629,292
	Subtotal, RPGs	64,931,841
Research Management & Support (RMS)	RMS	20,755,848
	SBIR RMS	0
	NIH Management Fund	0
Total DEA*		\$85,687,689

*Total excludes Research Grants

OFFICE OF THE DIRECTOR (OD)

OD Obligations

(Whole Dollars)

Type of Mechanism	Mechanism	Amount
Research Project Grants (RPGs)	Non-Competing	\$0
	Administrative Supplements	0
	Competing	0
	Subtotal, without SBIR/STTR Grants	0
	SBIR/STTR Grants	92,598,407
	Subtotal, RPGs	\$92,598,407
Centers & SPOREs	Cancer Centers Grants-P20/P30	287,663,556
	SPOREs-P50	219,845
	Other P50s/P20s	0
	U54s	60,004,913
	Subtotal, Centers	347,888,051
Other Research–Career Program	Career Program	0
	Temin & Minority Mentored Awards-K01	6,227,444
	Estab. Inv. Award-K05	1,448,094
	Preventive Oncology-K07	9,866,299
	Clinical Investigator-K08	15,276,138

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	Clinical Oncology-K12	12,265,773
	Stem Cell Research-K18	0
	Transitional Career Development-K22	6,985,148
	Mentored Patient Oriented RCDA-K23	4,479,483
	Mid-Career Invest. & Patient Orient. Res-K24	2,689,074
	Mentored Quant. Res Career-K25	1,665,577
	Pathway Award-K99	7,918,241
	Subtotal, Career Program	68,821,271
Other Research-Grants	Cancer Education Program-R25	28,025,961
	Clinical Cooperative Groups-U10/UG1	5,283,157
	Minority Biomedical Support-S06	240,000
	Sci Eval-U09/T09 & Rsch Enhance-SC1	0
	Continuing Education	157,000
	Resource Grants-R24/U24	13,555,987
	Explor Coop Agreement-U56	0
	Global Infect. Disease Rsrch Training Prog - D43	1,415,900
	Conference Grants-R13/U13	752,306

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	Subtotal, Other Research-Grants	49,430,311
Subtotal, Research Grants		558,738,040
NRSA Fellowships		69,803,491
R&D Contracts	R&D Contracts	191,906,885
	SBIR Contracts	29,256,922
	NIH Management Fund/ SSF Assessment/Program Evaluation	0
	Subtotal, Contracts	221,163,807
Intramural Research	Program	177,771,342
	NIH Management Fund/ SSF Assessment/Program Evaluation	0
	Subtotal, Intramural Research	177,771,342
Research Management & Support (RMS)	RMS	210,927,454
	SBIR RMS	1,868,414
	NIH Management Fund/ SSF Assessment/Program Evaluation	0
	Subtotal, RMS	212,795,868
Buildings and Facilities		8,000,000
Total OD		\$1,248,272,548

RESEARCH PROJECT GRANTS OBLIGATIONS

Research Project Grants Obligations

(Whole Dollars)

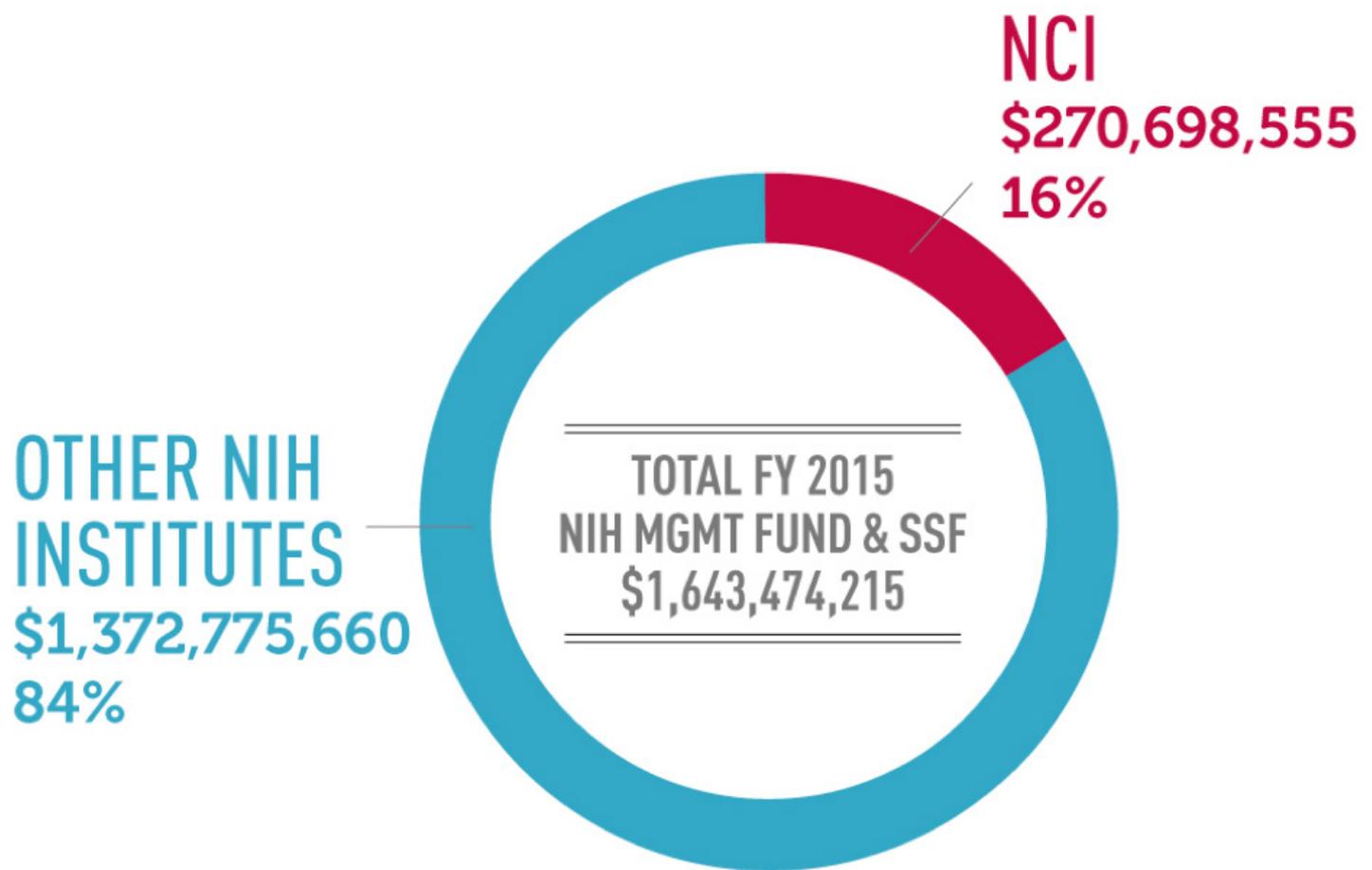
Type of Mechanism	Mechanism	Amount
Research Project Grants	Non-Competing	\$1,471,436,288
	Administrative Supplements	20,474,501
	Competing	508,125,718
	Subtotal, without SBIR/STTR Grants	2,000,036,507
	SBIR/STTR Grants	92,598,407
Subtotal, RPGs		\$2,092,634,914

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.

NATIONAL CANCER INSTITUTE

NIH Management Fund, Service & Supply Fund, and GSA Rent: Fiscal Year 2015



cancer.gov
Source: 2015 NCI Budget Fact Book

NIH Management Fund, SSF, and GSA Rent FY 2015

(Whole Dollars)

Distribution of NCI Payment	Amount	Share of NCI
Clinical Center	\$118,827,710	42.9%
Center for Scientific Review	19,652,435	7.1%
Center for Information Technology	6,020,814	2.2%
Service & Supply Fund Assessment (SSF)	105,668,328	40.4%
Other Research Services	12,851,168	4.6%
Other OD	7,678,100	2.8%
Total NCI Management Fund & SSF	\$270,698,555	100%

Management Fund & SSF Subtotals

(Whole Dollars)

Type	Amount	Percent
NCI	\$270,698,555	16.7%
Other NIH Institutes	1,372,775,660	83.3%
Total NIH MFUND	\$1,623,474,215	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
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	4,987	5,643
2011	13,157	8,291	5,894
2012	15,554	9,408	5,668
2013	19,294	10,070	8,470
2014	20,894	9,446	5,667
2015	24,673	15,071	11,670

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
2005/2007	34,086	5,745	28,341
2006/2008	29,811	6,843	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	48,433	42,891
**2014/2016	112,668	31,147	81,521
**2015/2017	122,037	33,000	89,037

*Does not include assessments by NIH.

**2014/2016 and 2015/2017 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), December 2011 (PL 112-80), and in December 2015 (PL 114-99). 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 \$56,327,730.30. NCI has used these funds for research projects directed towards breast cancer research. Thus far, five 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, a clinical trial to determine the risk of breast cancer recurrence, and the Molecular and Cellular Characterization of Screen Detected Lesions Consortium. In FY 2015, \$1,634,938 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, 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	FY 2014
Total NCI Budget	\$5,098.1	\$5,058.1	\$5,067.3	\$4,789.0	\$4,932.0
AIDS	272.1	270.0	271.7	261.6	269.2
Brain & CNS	156.8	172.6	177.5	176.8	180.4
Breast Cancer	631.2	625.1	602.9	559.2	528.5
Cervical Cancer	77.0	81.4	72.6	63.4	71.0
Colorectal Cancer	270.4	265.1	256.3	238.3	223.0
Head & Neck Cancers	62.7	61.8	71.1	57.6	57.1
Hodgkin Disease	14.6	13.4	15.6	14.5	15.4
Leukemia	239.7	227.0	234.7	234.9	236.7
Liver Cancer	72.6	66.2	64.6	64.0	60.0
Lung Cancer	281.9	296.8	315.1	285.9	254.1
Melanoma	102.3	115.6	121.2	122.5	126.2
Multiple Myeloma	48.5	54.9	61.3	45.4	46.6
Non-Hodgkin Lymphoma	122.4	126.4	119.5	113.7	118.0

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Ovarian Cancer	112.3	110.8	111.7	100.6	91.5
Pancreatic Cancer	97.1	99.5	105.4	101.9	122.4
Prostate Cancer	300.5	288.3	265.1	255.6	217.8
Stomach Cancer	14.5	13.4	12.1	11.2	11.3
Uterine Cancer	14.2	15.9	19.1	17.8	15.5

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 2015 funds available to the NCI totaled \$4.952 billion, reflecting an increase of .09 percent, or \$20 million from the previous fiscal year. Under the NCI RPG funding policy for FY 2015, non-competing grants were awarded at 100 percent of the committed level. For more information on NCI's grant funding policy, visit the NCI Division of Extramural Affairs website.

NCI Extramural Programs

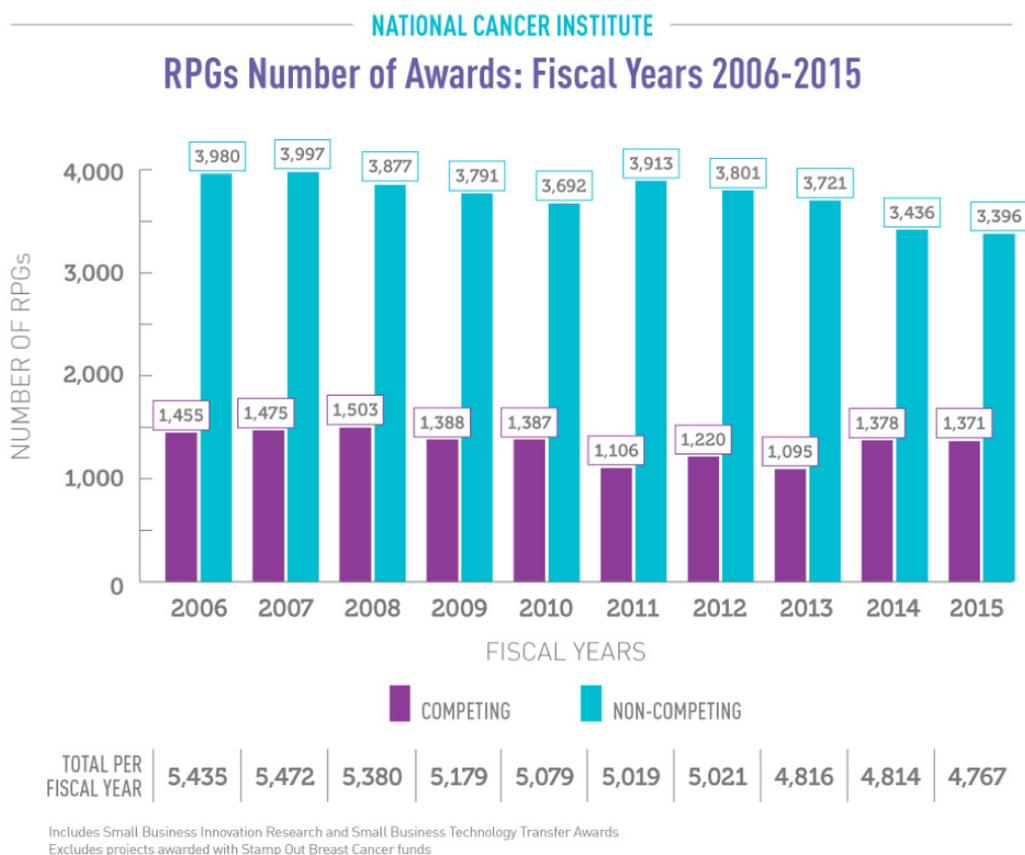
The NCI uses most of its budget to fund extramural grants and contracts. The following links provide information about extramural funding by grant activity, institution, state, and country.

Research Project Grants (RPGs)

During fiscal year 2015,

- About half of competing dollars supported grants awarded within the established payline and RFAs and half supported grants as an exception to the fundable range.
- RFA funds accounted for 10.4% of the FY 2015 competing dollars.
- A total of 1,236 competing RPGs were funded.

NUMBER OF RPG AWARDS



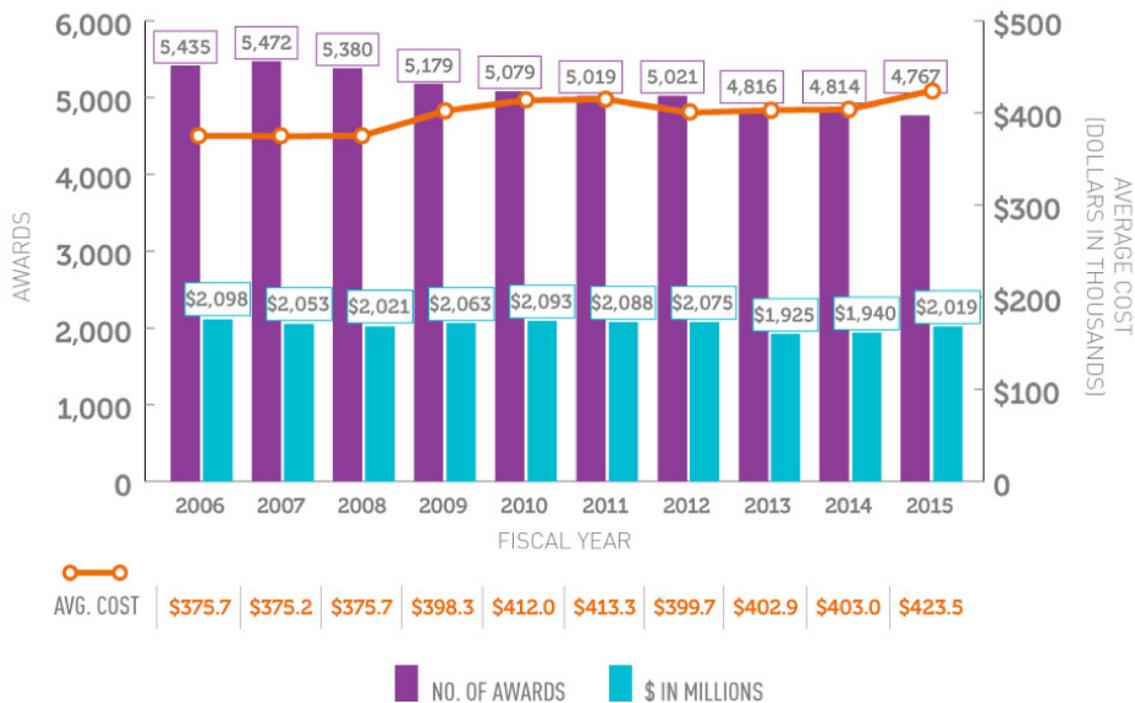
cancer.gov
Source: 2015 NCI Budget Fact Book

RPG FUNDING AND AVERAGE COST

NATIONAL CANCER INSTITUTE

RPG Funding & Average Cost: Fiscal Years 2006-2015

(Dollars in Thousands)



RPGS SUMMARY, FY 2014-2015

RPG Awards Funded

(Dollars in Thousands)

RPG Awards Funded	2014 Number	2014 Amount	2015 Number	2015 Amount
Total Funding for RPGs	4,814	\$2,012,560	4,767	\$2,092,635
SBIR/STTR	217	81,841	194	92,598
Funding for RPGs without SBIR/STTR Program	4,597	1,930,719	4,573	2,000,037
Continuation or Noncompeting Grants Funded	3,390	1,382,453	3,337	1,398,109

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Competing Grants Funded	1,207	450,476	1,236	508,126
Administrative Supplements	216	24,854	226	20,475
Partial Assessment for DHHS Program Evaluation		72,936		73,327

Funds Set Aside Within Competing Dollars

(Dollars in Thousands)

Grant Category	R01 or Share	2014 Number or %	2014 Amount	2015 Number or %	2015 Amount
Grants within Paylines		724	\$217,174	745	\$240,874
	Traditional R01	379	154,332	383	173,076
RFA Grants		139	63,344	84	52,809
	Share of Competing Grant Funds	14.1%		10.4%	
Exception Grants		483	233,303	491	267,252
	Share of Competing Grant Funds	51.8%		52.6%	

Competing RPGs

Statistical Measure	2014	2015
Total Competing Application Requests*	8,568	9,525
Funding Success Rate	14.1%	13.0%
Percentile Funding for R01 Grants	9th	9th
Average Cost-Competing	\$373	\$411
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 2014 and 2015. These numbers include Small Business Innovation Research (SBIR) and Small Business Technology Transfer (SBTT) awards. The Download the Data link contains data for the prior ten years.

RPGs Requested, Awarded, and Success Rate

(Dollars in Thousands)

Fiscal Year	Type	Number Requested	Amount Requested	Number Awarded	Amount Awarded	Success Rate
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	

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	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	
2015	Competing New	8,919	3,582,501	1,089	416,796	
	Competing Renewal	586	341,149	146	90,955	
	Competing Supplement	20	7,482	1	375	
	Competing Subtotal	9,525	3,931,132	1,236	508,126	13%
	Non-Competing			3,337	1,471,436	
	FY 2015 RPG Total			4,573	\$1,979,562	

RPG AWARDS BY GRANT ACTIVITY CODES

The table displayed below shows annual spending on NCI grant mechanisms for fiscal years 2014 and 2015. The Download the Data link contains data for the prior ten years. Find descriptions of the NIH Activity Codes.

RPG Awards by Grant Codes, FY 2014-2015

(Dollars in Thousands)

Grant Code	2014 Number	2014 Amount	2015 Number	2015 Amount
R01	3,085	\$1,166,410	2,949	\$1,174,944
DP1	4	4,024	2	2,413
DP2	3	7,489	0	402
DP5	6	2,318	8	3,501
P01	109	211,171	100	193,818
R00	84	19,652	93	22,841
R37	25	11,391	12	5,695
RFA	364	201,101	363	203,518
U01	131	72,618	165	106,463
U19	2	3,421	2	3,606
UH2	1	194	1	2,283
R35			43	34,740
UH3	0	433		
UM1	15	29,649	15	28,572
R03	194	15,078	162	12,868
R21	551	102,958	639	123,378
R33			0	86

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R15	23	9,875	18	7,317
R56			1	263
SBIR/STTR	217	81,841	194	92,598
Total	4,814	\$1,939,623	4,767	\$2,019,308

RPGS FUNDING MECHANISMS

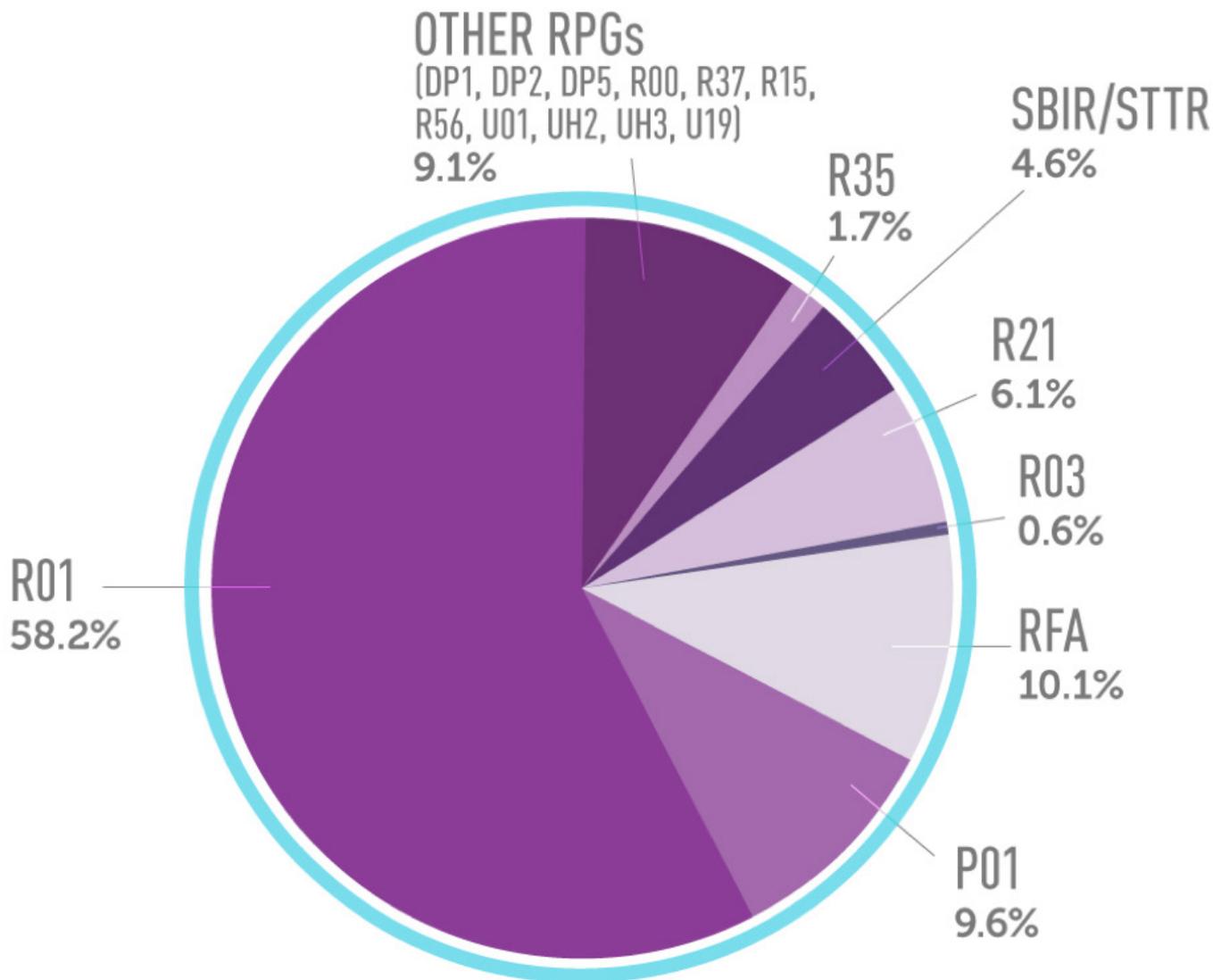
Grant Funding Paylines

RPG Mechanism	2014	2015	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	30	30	Impact Score
R43/R44 SBIR	30	30	Impact Score

*SPL = Scientific Program Leaders (NCI)

NATIONAL CANCER INSTITUTE

Percent Share of Total RPG Funds: FY 2015



RPG: Research Project Grant
SBIR/STTR: Small Business Innovation Research/ Small Business Technology Transfer
RFA: Request for Application

Excludes projects awarded with the Stamp Out Breast Cancer Funds and Program Evaluation.
The "Other" category includes DP1, DP2, DP5, R00, R37, U01, U19, UH2, UH3, UM1, R15, and R56 activities.

cancer.gov
Source: 2015 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. Find an NCI designated cancer center near you and learn about its patient services and research capabilities.

NCI-Designated Cancer Center Totals, FY 2015

(Whole Dollars)

Mechanism	Count	Amount
Total P30s	69	\$266,803,507
Planning Grants (P20s)	24	5,113,835
Other P20, P30 & U41	0	16,755,094
Total Cancer Centers	93	\$288,672,436

NCI-Designated Cancer Centers by State, FY 2015

(Whole Dollars)

State	Grantee Institution	Code	Amount
Alabama	University of Alabama at Birmingham	Comprehensive Core	\$5,640,574
Arizona	University of Arizona	Comprehensive Core	1,917,600
California	Burnham Institute for Medical Research	Basic Core	2,184,600
	City of Hope/Beckman Research Institute	Comprehensive Core	3,092,538
	Salk Institute for Biological Studies	Basic Core	3,887,448
	Stanford University	Clinical Core	2,249,153

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	University of California San Diego	Comprehensive Core	3,138,579
	University of California Davis	Comprehensive Core	4,295,192
	University of California Irvine	Comprehensive Core	3,795,641
	University of California Los Angeles	Comprehensive Core	7,651,538
	University of California San Francisco	Comprehensive Core	1,213,480
	University of Southern California	Comprehensive Core	6,231,178
Colorado	University of Colorado Denver	Comprehensive Core	3,950,378
Connecticut	Yale University	Comprehensive Core	2,600,006
Dist of Col	Georgetown University	Comprehensive Core	2,246,754
Florida	H. Lee Moffitt Cancer Center & Research Institute	Comprehensive Core	2,946,954
Georgia	Emory University	Clinical Core	1,560,000
Hawaii	University of Hawaii at Manoa	Comprehensive Core	1,539,392
Illinois	Northwestern University at Chicago	Comprehensive Core	4,814,560
	University of Chicago	Comprehensive Core	4,272,677

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Indiana	Indiana Univ-Purdue Univ at Indianapolis	Clinical Core	2,208,826
	Purdue University West Lafayette	Basic Core	1,527,821
Iowa	University of Iowa	Comprehensive Core	2,818,028
Kansas	University of Kansas Medical Center	Clinical Core	1,689,698
Kentucky	University of Kentucky	Clinical Core	1,505,000
Maine	Jackson Laboratory	Basic Core	2,023,677
Maryland	Johns Hopkins University	Comprehensive Core	7,181,067
	University of Maryland Baltimore	Clinical Core	1,735,000
Massachusetts	Dana-Farber Cancer Institute	Comprehensive Core	11,362,542
	Massachusetts Institute of Technology	Basic Core	3,572,644
Michigan	University of Michigan at Ann Arbor	Comprehensive Core	6,296,066
	Wayne State University	Comprehensive Core	2,529,146
Minnesota	Mayo Clinic Rochester	Comprehensive Core	5,755,389
	University of Minnesota Twin Cities	Comprehensive Core	3,561,178

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Missouri	Washington University	Comprehensive Core	4,455,711
Nebraska	University of Nebraska Medical Center	Clinical Core	1,485,000
New Hampshire	Dartmouth College	Comprehensive Core	3,139,824
New Jersey	Rutgers Cancer Institute of New Jersey	Comprehensive Core	2,922,756
New Mexico	University of New Mexico	Clinical Core	2,073,543
New York	Albert Einstein College of Medicine Yeshiva University	Clinical Core	3,896,009
	Cold Spring Harbor Laboratory	Basic Core	4,418,824
	Columbia University Health Sciences	Comprehensive Core	3,949,853
	Ichan School of Medicine at Mount Sinai	Clinical Core	1,695,000
	New York University School of Medicine	Clinical Core	2,436,664
	Roswell Park Cancer Institute Corp	Comprehensive Core	4,090,043
	Memorial Sloan-Kettering Institute for Cancer Res	Comprehensive Core	12,587,475
North Carolina	Duke University	Comprehensive Core	5,661,203

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	University of North Carolina Chapel Hill	Comprehensive Core	6,849,830
	Wake Forest University Health Sciences	Comprehensive Core	1,479,130
Ohio	Case Western Reserve University	Comprehensive Core	4,878,887
	Ohio State University	Comprehensive Core	4,642,429
Oregon	Oregon Health and Science University	Clinical Core	1,540,000
Pennsylvania	Fox Chase Cancer Center	Comprehensive Core	1,969,906
	Thomas Jefferson University	Clinical Core	2,807,751
	University of Pennsylvania	Comprehensive Core	7,704,373
	University of Pittsburgh at Pittsburgh	Comprehensive Core	5,129,654
	Wistar Institute	Basic Core	2,578,347
South Carolina	Medical University of South Carolina	Clinical Core	1,495,000
Tennessee	St. Jude Children's Research Hospital	Comprehensive Core	6,012,603
	Vanderbilt University	Comprehensive Core	6,261,958
Texas	Baylor College of Medicine	Clinical Core	3,338,211

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	University of Texas M.D. Anderson Cancer Center	Comprehensive Core	1,800,000
	University of Texas San Antonio Health Science Center	Clinical Core	10,605,362
	University of Texas Southwestern Medical Center	Clinical Core	1,615,000
Utah	University of Utah	Clinical Core	1,967,513
Virginia	University of Virginia Charlottesville	Clinical Core	2,617,468
	Virginia Commonwealth University	Clinical Core	1,630,017
Washington	Fred Hutchinson Cancer Research Center	Comprehensive Core	9,785,343
Wisconsin	University of Wisconsin Madison	Comprehensive Core	4,288,496

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 2015 Funding for SPORE Grants

(Whole Dollars)

Mechanism	Site	Number	Amount
P50 SPOREs	Brain	5	\$10,785,138
	Breast	5	10,515,709
	Cervical	2	2,196,719
	Genitourinary	9	18,735,208
	Gastrointestinal	7	14,810,601
	Head and Neck	4	6,049,831
	Leukemia	4	5,394,576
	Lung	5	8,902,042
	Lymphoma	3	5,476,410
	Melanoma	4	7,676,743
	Myeloma	2	4,370,000
	Ovarian	4	6,116,310
	Pancreatic	5	6,725,762

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	Prostate	6	12,434,808
	Skin	4	8,254,611
	P50 Subtotal	70	130,629,468
U54s	SARC Sarcoma	3	2,927,900
	HyperActive Ras	3	5,309,550
	Subtotal U54s	6	5,309,550
Co-funded	Head & Neck with NIDCR	0	831,000
	Total Co-funded	0	831,000
Total number of SPOREs, Total SPORE funding		76	\$136,770,018

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 & Postdoctoral Trainees: Fiscal Years 2006-2015 (Full-Time Trainee Positions)



TOTAL PER FISCAL YEAR	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015
	1,433	1,455	1,514	1,492	1,428	1,375	1,342	1,353	1,432	1,431

cancer.gov
Source: 2015 NCI Budget Fact Book

Research Career Awards “K” Program

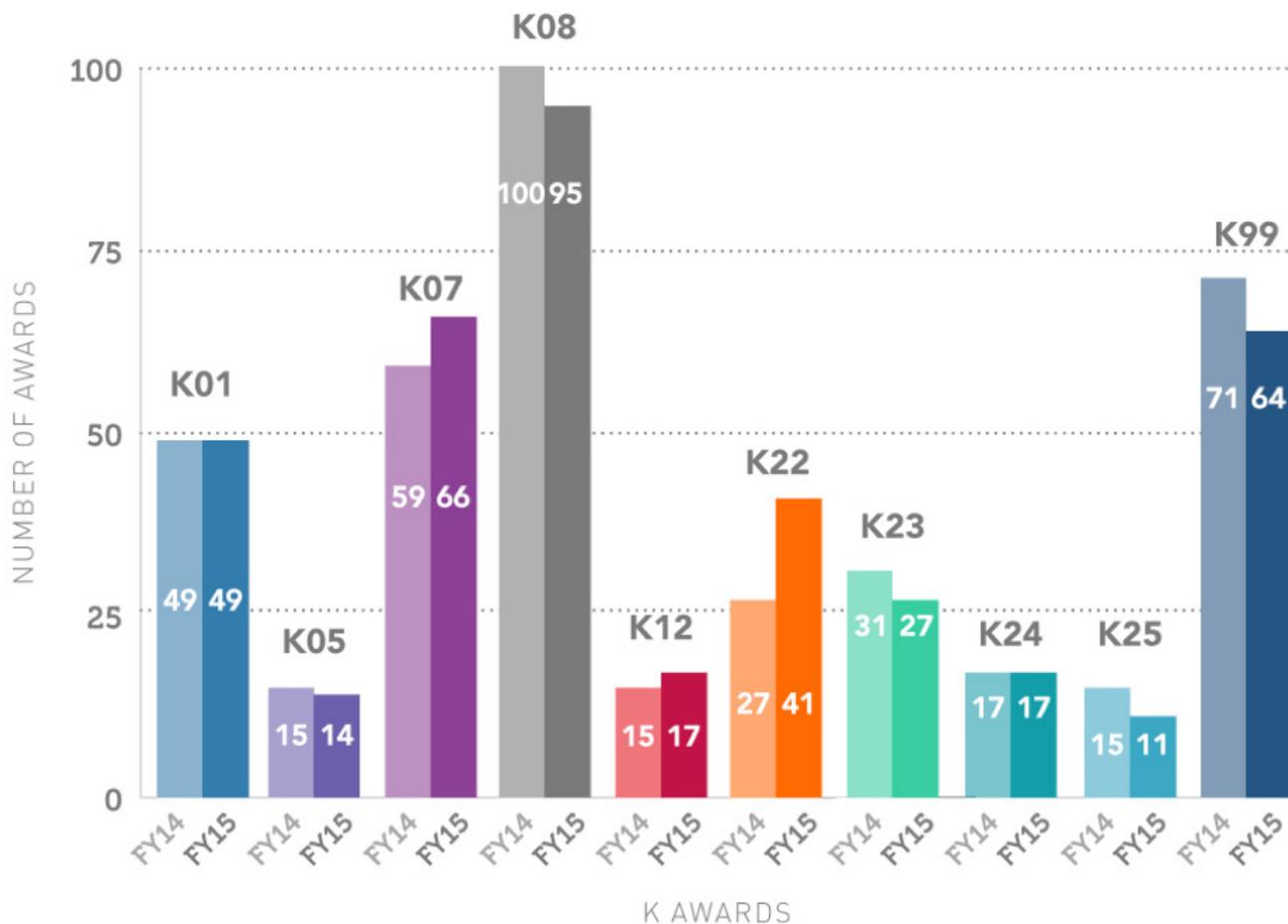
The National Cancer Institute (NCI) career development (K) awards program includes a broad range of funding mechanisms and provides scientists with support to further develop their cancer research careers, transition to independence, expand their existing research programs, or mentor junior investigators. 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 increased by 2 percent in FY 2015
- The number of Research Career Awards increased by 2 between FY 2014 and FY 2015
- NCI funded 64 awards for the NIH Pathway to Independence Program

Research Career Awards “K” Program: FY 2014 & 2015

Number Awarded, Amount Funded, Percent of Total Awards Funded (Dollars in Thousands)



K01: Temin & Minority-Mentored Career Development Awards

K05: Research Scientist Awards

K07: Preventive Oncology

K08: Clinical Investigator

K12: Institutional Clinical Oncology

K22: Transitional Career Development

K23: Patient-Oriented Career

K24: Patient-Oriented Career: Mid-Career

K25: Mentored Quantitative Research Career Development Awards

K99: NIH Pathway to Independence Awards

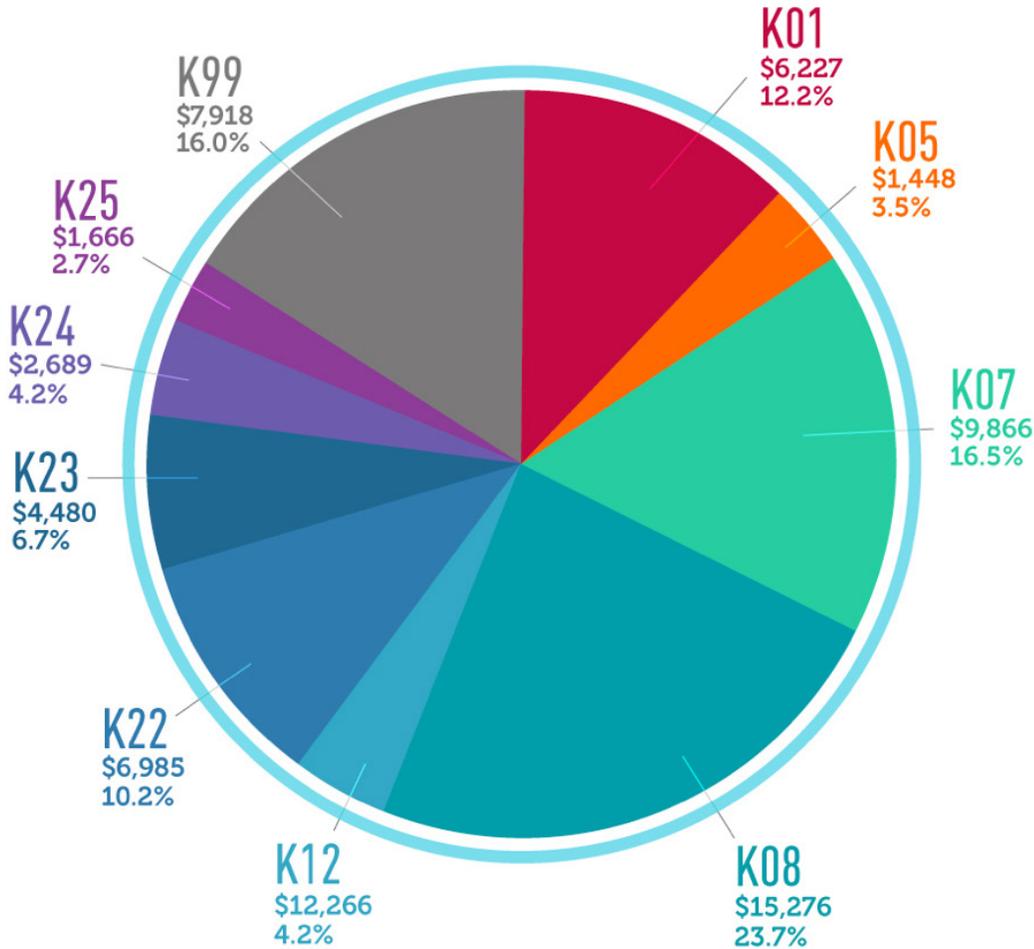
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cancer.gov

Source: 2015 NCI Budget Fact Book

FY 2015 Percent of Total Research Career Award Funds

(Dollars in Thousands)



K01: Temin & Minority-Mentored Career Development Awards

K05: Research Scientist Awards

K07: Preventive Oncology

K08: Clinical Investigator

K12: Institutional Clinical Oncology Research

K22: Transitional Career Development

K23: Patient-Oriented Career

K24: Patient-Oriented Career: Mid-Career

K25: Mentored Quantitative Research Career Development Awards

K99: NIH Pathway to Independence Awards

cancer.gov
Source: 2015 NCI Budget Fact Book

Research Career Awards “K” Program, FY 2014 and FY 2015

(Dollars in Thousands)

Research Career Award	Number of 2014 Awards	2014 Amt	Number of 2015 Awards	2015 Amt
K01 Temin Awards	10	\$1,195	0	\$0
K01 Minority Mentored Career Development Award	39	5,048	49	6,227
K01 Subtotal	49	6,243	49	6,227
K05 Research Scientist Award	15	1,788	14	1,448
K07 Preventive Oncology	59	8,745	66	9,866
K08 Clinical Investigator	100	16,018	95	15,276
K12 Institutional Clinical Oncology Research	15	11,647	17	12,266
K22 Transitional Career Development	27	4,482	41	6,985
K23 Patient-Oriented Career	31	5,166	27	4,479
K24 Patient- Oriented Career – Mid Career	17	2,922	17	2,689
K25 Mentored Quantitative Research Career Development Award	15	2,103	11	1,666
K99 NIH Pathway to Independence Awards	71	8,410	64	7,918
Research Career Program Total	399	\$67,525	401	\$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.

For more information on grants and contracts, see Research Funding Mechanisms.

GRANT AND CONTRACT AWARDS BY STATE

Grant and Contract Awards by State, FY 2015

(Whole Dollars)

State	No. of	Amount for Grants	No. of	Amount for Contracts	Total Number	Total Amount
Alabama	64	\$27,413,541	5	\$3,567,107	69	\$30,980,648
Alaska	2	374,662	0	0	2	374,662
Arizona	69	32,580,925	2	2,761,712	71	35,342,637
Arkansas	13	3,748,520	0	0	13	3,748,520
California	885	426,742,379	22	20,986,482	907	447,728,861
Colorado	97	31,210,089	2	1,698,852	99	32,908,941
Connecticut	99	36,799,175	5	3,650,646	104	40,429,821
Delaware	4	3,251,950	0	0	4	3,251,950
District of Columbia	60	25,920,629	13	3,591,689	73	29,512,318

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Florida	157	66,698,134	5	1,036,102	162	67,734,236
Georgia	128	41,463,362	9	4,982,744	137	44,446,106
Hawaii	17	16,354,813	1	1,570,231	18	17,925,044
Idaho	0	0	0	0	0	0
Illinois	235	97,458,838	7	4,465,710	242	101,924,548
Indiana	64	25,416,715	0	0	64	25,416,715
Iowa	29	15,067,266	2	4,619,102	31	19,686,368
Kansas	32	12,436,235	1	299,813	33	12,736,048
Kentucky	50	16,311,256	2	2,538,488	52	18,849,744
Louisiana	29	8,298,668	2	2,342,329	31	10,640,997
Maine	9	5,107,369	0	0	9	5,107,369
Maryland	207	86,423,876	46	358,409,620	253	444,833,496
Massachusetts	605	303,863,114	8	5,175,945	613	309,039,059
Michigan	184	86,907,491	4	6,446,638	188	93,354,129
Minnesota	188	105,529,328	4	1,095,980	192	106,625,308
Mississippi	4	1,321,178	0	0	4	1,321,178
Missouri	109	52,334,635	3	4,331,769	112	56,666,404
Montana	2	702,500	0	0	2	702,500
Nebraska	37	14,650,210	0	0	37	14,650,210
Nevada	3	1,363,068	0	0	3	1,363,068

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New Hampshire	39	20,182,038	1	149,971	40	20,332,009
New Jersey	63	24,293,977	2	1,945,176	65	26,239,153
New Mexico	20	9,862,805	2	2,901,056	22	12,763,861
New York	665	296,130,007	8	4,095,845	673	300,225,852
North Carolina	261	112,426,409	7	1,179,706	268	113,606,115
North Dakota	2	557,893	0	0	2	557,893
Ohio	257	115,856,332	2	746,261	259	116,602,593
Oklahoma	24	8,141,468	1	1,830,350	25	9,971,818
Oregon	54	33,696,337	0	0	54	33,696,337
Pennsylvania	455	274,385,004	2	80,656	457	274,465,660
Rhode Island	21	2,839,862	2	1,613,954	23	4,453,816
South Carolina	63	19,822,376	2	245,000	65	20,067,376
South Dakota	4	2,337,390	0	0	4	2,337,390
Tennessee	173	94,958,083	0	0	173	94,958,083
Texas	420	180,113,411	6	5,917,051	426	186,030,462
Utah	47	16,990,738	2	2,200,493	49	19,191,231
Vermont	3	2,819,888	0	0	3	2,819,888
Virginia	81	42,118,661	7	5,919,808	88	48,038,469
Washington	208	139,887,701	5	7,809,274	213	147,696,975
West Virginia	3	825,397	0	0	3	825,397

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Wisconsin	85	46,232,057	5	2,797,868	90	49,029,925
Wyoming	0	0	0	0	0	0
Subtotal	6,331	2,990,207,760	197	473,003,428	6,528	3,463,211,188
Guam	1	385,192	0	0	1	385,192
Puerto Rico	4	4,247,868	0	0	4	4,247,868
Total	6,336	\$2,994,840,820	197	\$473,003,428	6,533	\$3,467,844,248

GRANT AND CONTRACT AWARDS BY COUNTRY

Grant and Contract Awards by Country, FY 2015

(Whole Dollars)

Country	No. of Grants	Amount for Grants	No. of Contracts	Amount for Contracts	Total Number	Total Amount
Australia	2	\$638,769	0	\$0	2	\$638,769
Belgium	1	250,025	0	0	1	250,025
Canada	12	6,562,679	3	2,275,686	15	8,838,365
China	0	0	2	12,600	2	12,600
France	6	1,908,146	0	0	6	1,908,146
India	0	224,973	0	0	0	224,973
Israel	3	781,842	0	0	3	781,842
Italy	0	0	1	24,000	1	24,000
Germany	1	224,100	0	0	1	224,100
Peru	0	273,848	0	0	0	273,848

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So AFR	3	360,119	0	0	3	360,119
Switzerland	1	300,690	0	0	1	300,690
United Kingdom	5	1,396,842	0	0	5	1,396,842
Total	34	\$12,922,033	6	\$2,312,286	40	\$15,234,319

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 2015.

Institutions Receiving More Than \$15 Million in NCI Support, FY 2015

(Whole Dollars)

State	Institution	Grants	Contracts	Total NCI Support
Alabama	University of Alabama at Birmingham	\$21,906,124	\$1,258,848	\$23,164,972
California	Burnham Institute for Medical Research	16,836,544	0	16,836,544
	City of Hope's Beckman Research Institute	27,625,875	0	27,625,875
	Kaiser Foundation Research Institute	15,251,708	0	15,251,708

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	Stanford University	57,685,513	0	57,685,513
	University of California Los Angeles	48,070,393	0	48,070,393
	University of California Davis	19,321,148	237,565	19,558,713
	University of California San Diego	39,193,301	0	39,193,301
	University of California San Francisco	76,527,473	31,396	76,558,869
	University of Southern California	31,805,418	3,626,436	35,431,854
Colorado	University of Colorado Health Sciences Center	22,831,449	0	22,831,449
Connecticut	Yale University	30,148,936	0	30,148,936
District of Columbia	Georgetown University	17,097,451	52,752	17,150,203
Florida	H. Lee Moffitt Cancer Center & Research Institute	26,127,869	124,761	26,252,630
Georgia	Emory University	24,722,831	2,335,643	27,058,474

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Hawaii	University of Hawaii at Manoa	15,504,890	1,570,231	17,075,121
Illinois	Northwestern University	35,984,235	1,038,448	37,022,683
	University of Chicago	24,915,761	258,585	25,174,346
Indiana	Indiana University - Purdue Univ at Indianapolis	18,024,922	0	18,024,922
Maryland	Information Management Service	0	20,628,134	20,628,134
	The Johns Hopkins University	65,906,398	4,838,250	70,744,648
	Leidos BioMedical Research, Inc	0	255,154,865	255,154,865
	Westat, Inc.	0	25,138,980	25,138,980
Massachusetts	Brigham and Women's Hospital	43,274,536	0	43,274,536
	Beth Israel Deaconess Medical Center	16,265,062	0	16,265,062
	Dana-Farber Cancer Institute	86,203,116	0	86,203,116
	Harvard University	18,196,490	0	18,196,490

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	Massachusetts General Hospital	51,532,887	0	51,532,887
	Massachusetts Institute of Technology	17,864,772	0	17,864,772
Michigan	University of Michigan at Ann Arbor	56,747,807	0	56,747,807
Minnesota	Mayo Clinic in Rochester	69,593,164	973,479	70,566,643
	University of Minnesota	29,109,146	122,501	29,231,647
Missouri	Washington University	47,058,251	0	47,058,251
New Hampshire	Dartmouth College	17,333,641	149,971	17,483,612
New York	Albert Einstein College of Medicine	19,902,870	137,084	20,039,954
	Columbia University Health Sciences	38,936,699	0	38,936,699
	Mount Sinai School of Medicine	27,310,796	0	27,310,796
	New York University School of Medicine	26,116,741	0	26,116,741

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	Roswell Park Cancer Institute Corporation	25,283,593	0	25,283,593
	Sloan-Kettering Institute for Cancer Research	71,643,495	0	71,643,495
	University of Rochester	15,693,636	0	15,693,636
North Carolina	Duke University	36,691,697	0	36,691,697
	University of North Carolina at Chapel Hill	50,442,795	0	50,442,795
Ohio	Case Western Reserve University	24,627,417	0	24,627,417
	Ohio State University	51,070,847	656,324	51,727,171
Oregon	Oregon Health and Science University	31,560,934	0	31,560,934
Pennsylvania	ECOG-ACRIN Medical Research Foundation	21,324,605	0	21,324,605
	NRG Oncology Foundation, INC	30,388,291	0	30,388,291
	University of Pennsylvania	63,018,545	0	63,018,545
	University of Pittsburgh	47,041,172	76,841	47,118,013

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	Wistar Institute	20,065,005	0	20,065,005
	Children's Hospital of Philadelphia	41,058,819	0	41,058,819
Tennessee	St. Jude Children's Research Hospital	25,509,315	0	25,509,315
	Vanderbilt University	62,531,700	0	62,531,700
Texas	Baylor College of Medicine	32,725,761	0	32,725,761
	University of Texas, MD Anderson Cancer Center	79,458,075	3,827,572	83,285,647
	University of Texas, SW Medical Center at Dallas	24,016,618	0	24,016,618
Utah	University of Utah	15,354,414	2,145,493	17,499,907
Virginia	University of Virginia	20,864,588	0	20,864,588
Washington	Fred Hutchinson Cancer Research Center	91,057,799	4,541,124	95,598,923
	University of Washington	30,015,920	0	30,015,920

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Wisconsin	University of Wisconsin	26,637,937	1,836,946	28,474,883
	Total	\$2,139,017,195	\$330,762,229	\$2,469,779,424

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 2016 (October 1, 2015 through September 30, 2016) is \$5.21 billion, which is slightly above the \$4.950 billion budget for FY 2015. 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	Prior to -\$435,000 lapse. Prior to transfer from NIH Office of AIDS Research of \$2,632,000.

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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.
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.

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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
2017	\$5,453,000,000
2016	5,754,000,000
2013	5,833,010,000

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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

BYPASS BUDGET COMPARED TO NCI APPROPRIATIONS

NATIONAL CANCER INSTITUTE

Bypass Requests & NCI Appropriations: Fiscal Years 1974-2017



cancer.gov
Source: 2015 NCI Budget Fact Book

NCI Funding Trends

Funding amounts and percentages reflect actual obligations for each fiscal year. The NCI Budget has decreased by \$105.6 million, or 2.1%, since 2011.

From FY 2011 to FY 2015, 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 2011-2015

(Dollars in Millions)

Mechanism	2011	2012	2013	2014	2015
Total NCI	\$5,058.1	\$5,067.3	\$4,789.0	\$4,932.4	\$4,952.6
Research Project Grants	2,163.7	2,150.6	2,000.2	2,012.6	2,092.6
Cancer Centers	278.3	279.9	262.2	281.8	288.7
SPOREs	121.9	113.5	104.3	104.6	102.7
Other P50s/P20s	35.2	33.4	21.5	18.2	5.8
Specialized Centers	162.7	186.0	146.0	139.2	112.3
Clinical Cooperative Groups	243.9	229.8	235.4	271.6	250.8
R&D Contracts	587.0	589.7	616.0	652.3	597.0
Intramural Research	833.7	857.8	811.6	845.1	843.2
Other Mechanisms*	631.8	626.5	591.8	607.0	659.6

*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 2011-2015

Mechanism	2011 to 2012	2012 to 2013	2013 to 2014	2014 to 2015	2010 to 2014
Total NCI	0.2%	-5.5%	3.0%	0.4%	-3.3%
Research Project Grants	-0.6%	-7.0%	0.6%	4.0%	-7.7%
Cancer Centers	0.6%	-6.3%	7.5%	2.4%	-11.4%
SPOREs	-6.9%	-8.1%	0.3%	-1.8%	-22.1%
Other P50s/P20s	-4.9%	-35.8%	-15.2%	-68.1%	-44.6%
Specialized Centers	14.4%	-21.5%	-4.6%	-19.3%	2.3%
Clinical Cooperative Groups	-5.8%	2.4%	15.4%	-7.7%	-7.5%
R&D Contracts	0.5%	4.5%	5.9%	-8.5%	0.4%
Intramural Research	2.9%	-5.4%	4.1%	-0.2%	0.8%
Other Mechanisms*	-0.8%	-5.5%	2.6%	8.6%	-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 2011-2015

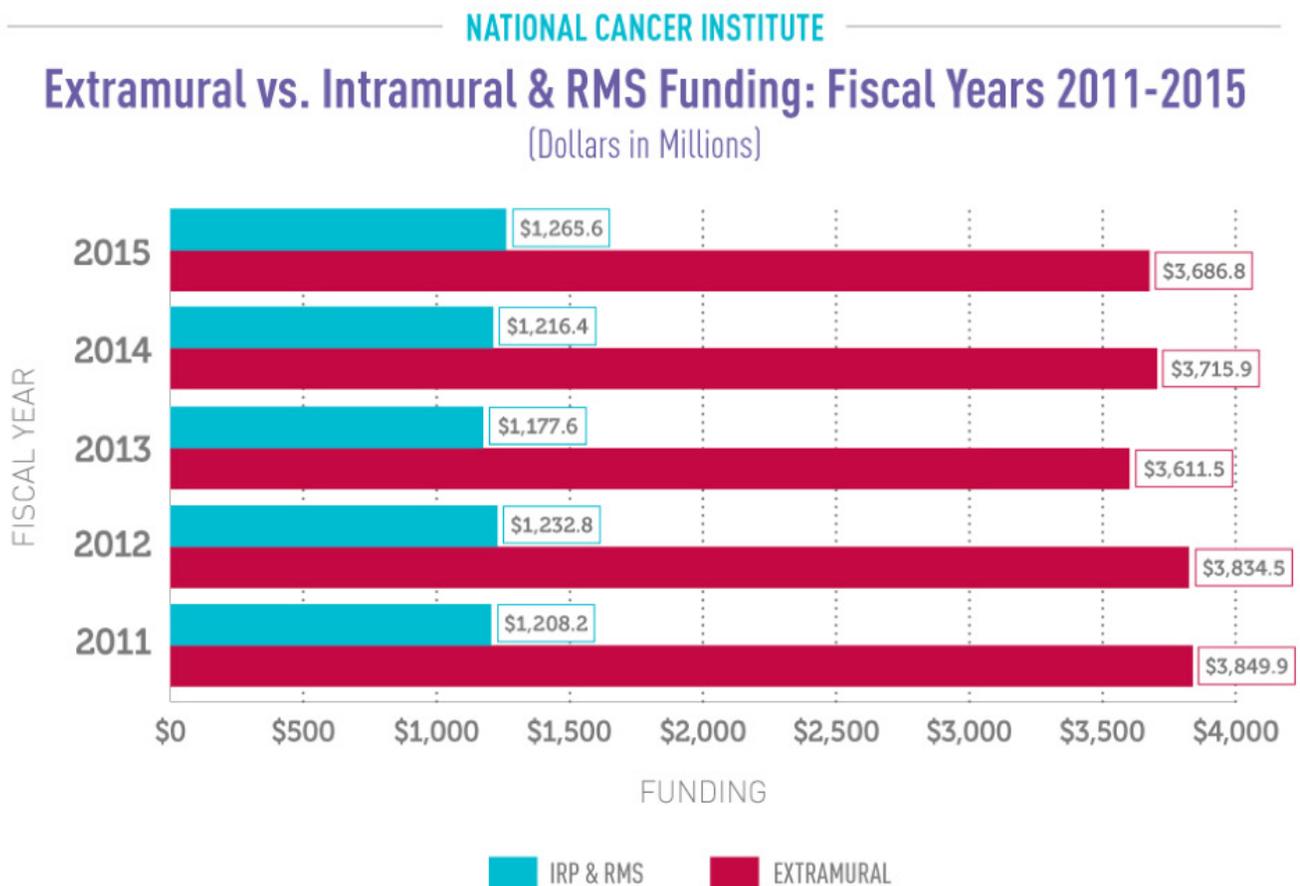
Mechanism	2011	2012	2013	2014	2015
Research Project Grants	42.8%	42.4%	41.8%	40.8%	42.3%
Cancer Centers	5.5%	5.5%	5.5%	5.7%	5.8%
SPOREs	2.4%	2.2%	2.2%	2.1%	2.1%
Other P50s/P20s	0.7%	0.7%	0.4%	0.4%	0.1%
Specialized Centers	3.2%	3.7%	3.0%	2.8%	2.3%
Clinical Cooperative Groups	4.8%	4.5%	4.9%	5.5%	5.1%
R&D Contracts	11.6%	11.6%	12.9%	13.2%	12.1%
Intramural Research	16.5%	16.9%	16.9%	17.1%	17.0%
Other Mechanisms*	12.5%	12.4%	12.4%	12.3%	13.3%

*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 \$105.6 million—or 2.1%—since 2011. For most extramural activities, funding has decreased, particularly for SPORs and Other P50s/P20s. There has been a slight increase in extramural funding for NRSA, R&D Contracts, and Buildings and Facilities between FY 2011 and FY 2015. During this time, intramural research funding has increased to comprise 17% of the total NCI budget, 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.



cancer.gov
Source: 2015 NCI Budget Fact Book

FY 2011-2015 Extramural, Intramural and RMS Funding

(Dollars in Millions)

Funding	Mechanism	2011	2012	2013	2014	2015	2011-2015 % Change
Extramural	Research Project Grants	\$2,163.7	\$2,150.6	\$2,000.2	\$2,012.6	\$2,092.6	-3.3%
	Cancer Centers	278.3	279.9	262.2	281.8	288.6	3.7%
	SPOREs	121.9	113.5	104.3	104.6	102.7	-15.8%
	Other P50s/ P20s	35.2	33.4	22.2	18.2	5.8	-83.5%
	Other Specialized Centers	162.7	186.0	145.3	139.2	112.3	-31.5%
	Other Research Grants	425.5	407.5	387.5	430.0	410.1	-3.6%
	NRSA	67.7	66.0	65.8	69.2	69.8	3.1%
	R&D Contract	587.0	589.7	616.0	652.3	597.0	1.7%
	Buildings & Facilities	7.9	7.9	7.9	8.0	8.0	1.3%
	Total Extramural Funds	3,849.9	3,834.5	3,611.5	3,715.9	3,686.8	-4.2%
Intramural & RMS	Intramural Research	833.7	857.8	811.6	845.0	843.2	1.1%
	RMS	374.5	374.9	366.1	371.4	422.5	12.8%
	Total IRP & RMS Funds	1,208.2	1,232.8	1,177.6	1,216.4	1,265.6	4.8%
Total NCI	\$5,058.1	\$5,067.3	\$4,789.1	\$4,932.3	\$4,952		

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 2005-2015

Fiscal Year	Full Time Permanent	Other Than Full Time Permanent	Training Fellows	Total Personnel Resources
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
2009	2,118	959	1,058	4,135

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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
2015	2,119	897	884	3,900

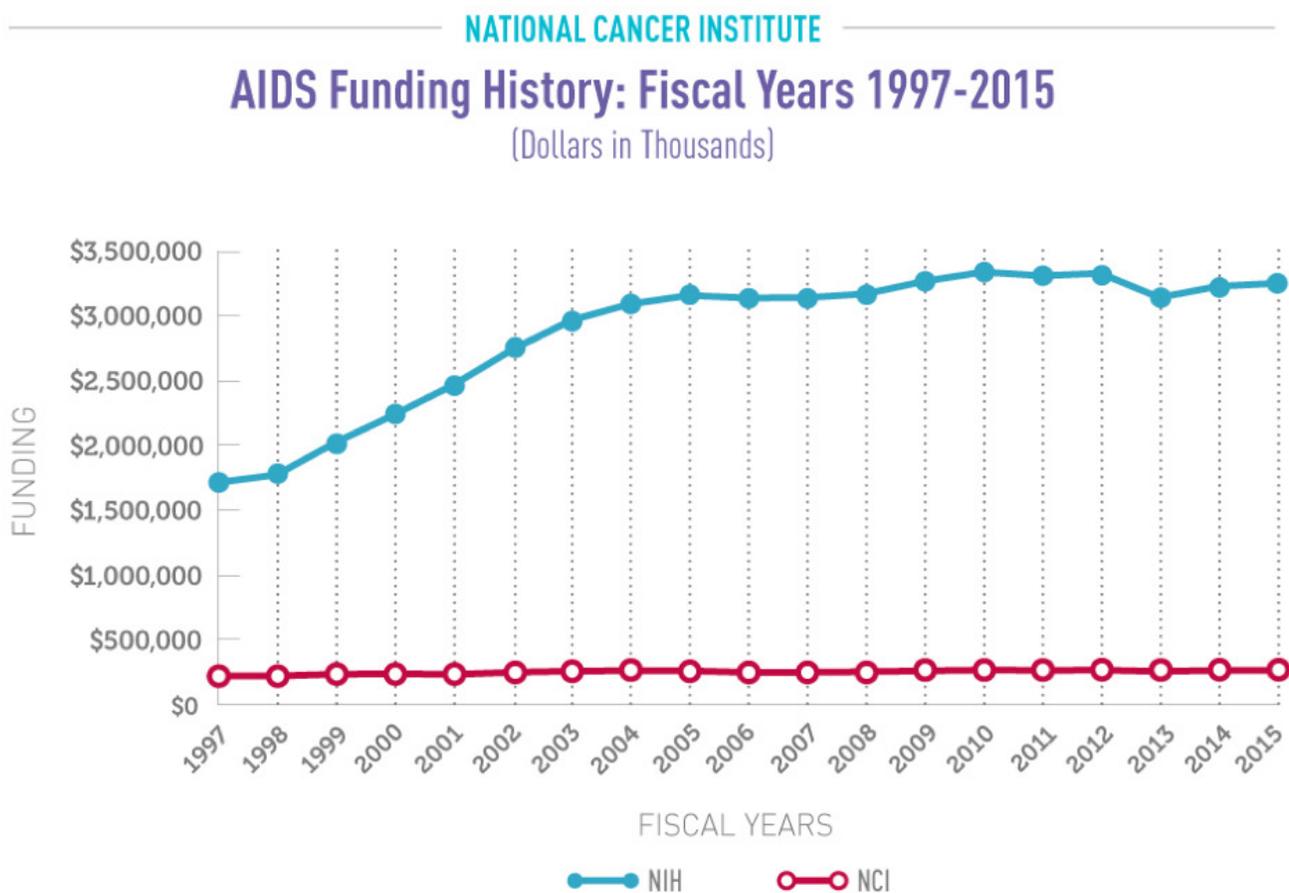
Numbers represent bodies not FTEs

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 1997.

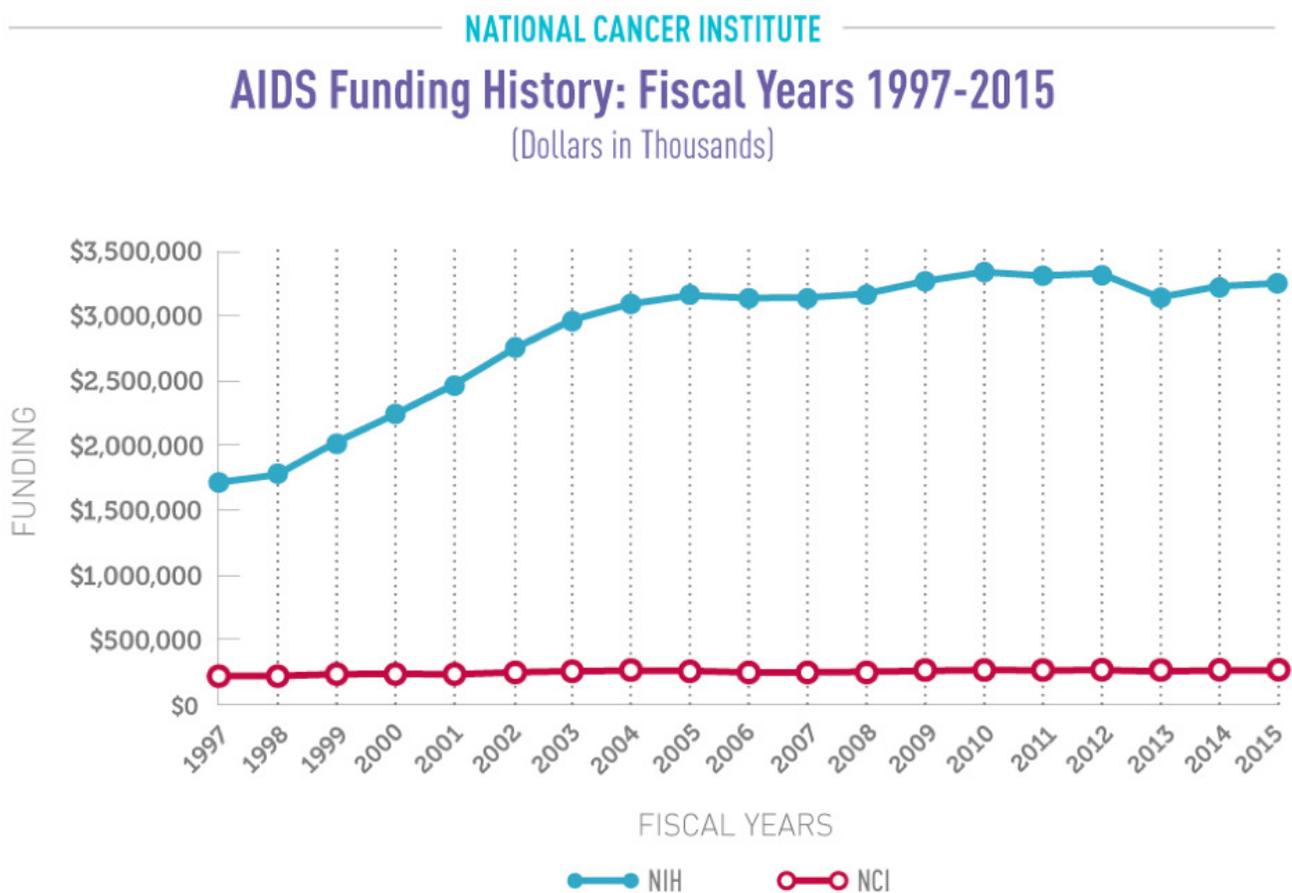


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