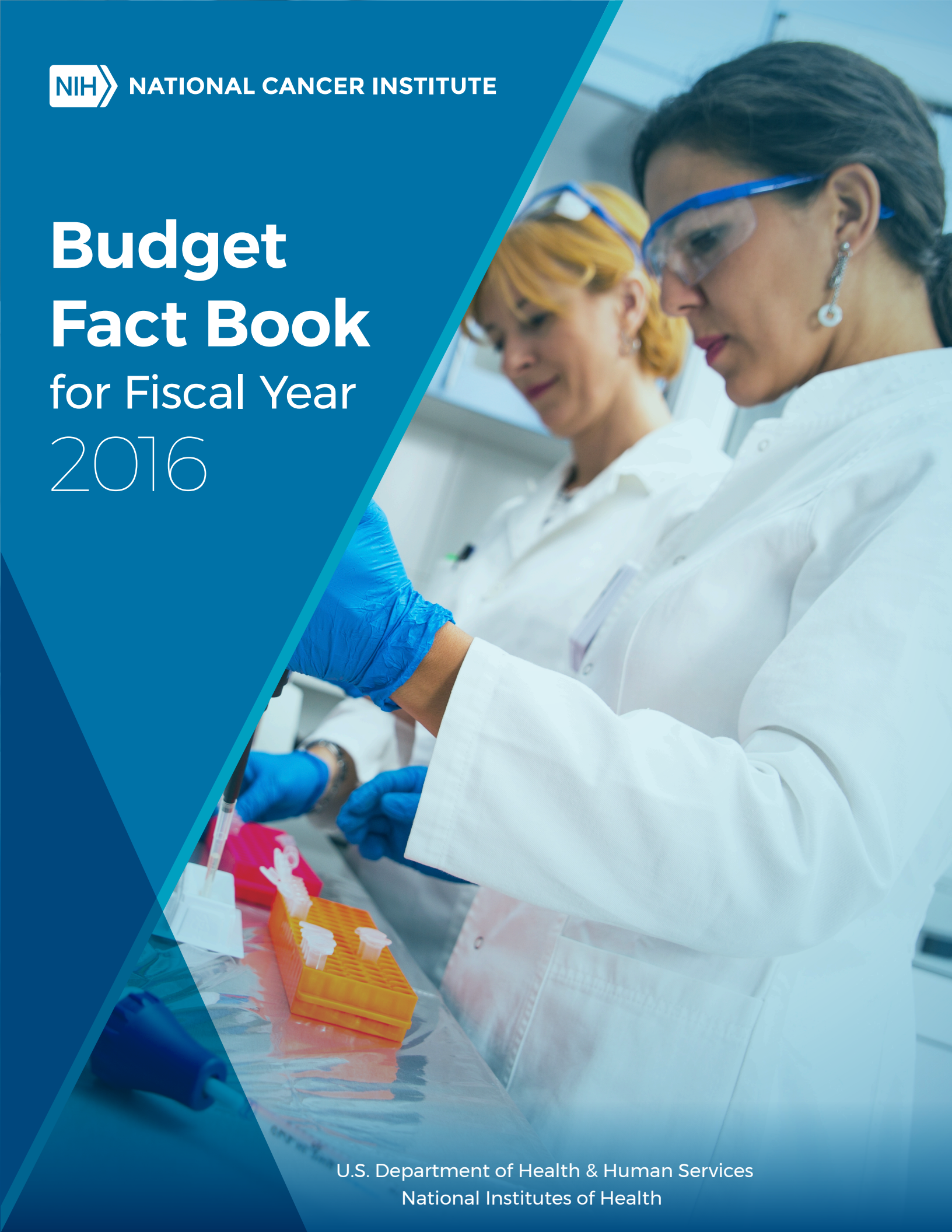
NATIONAL CANCER INSTITUTE

Budget Fact Book

for Fiscal Year 2016



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

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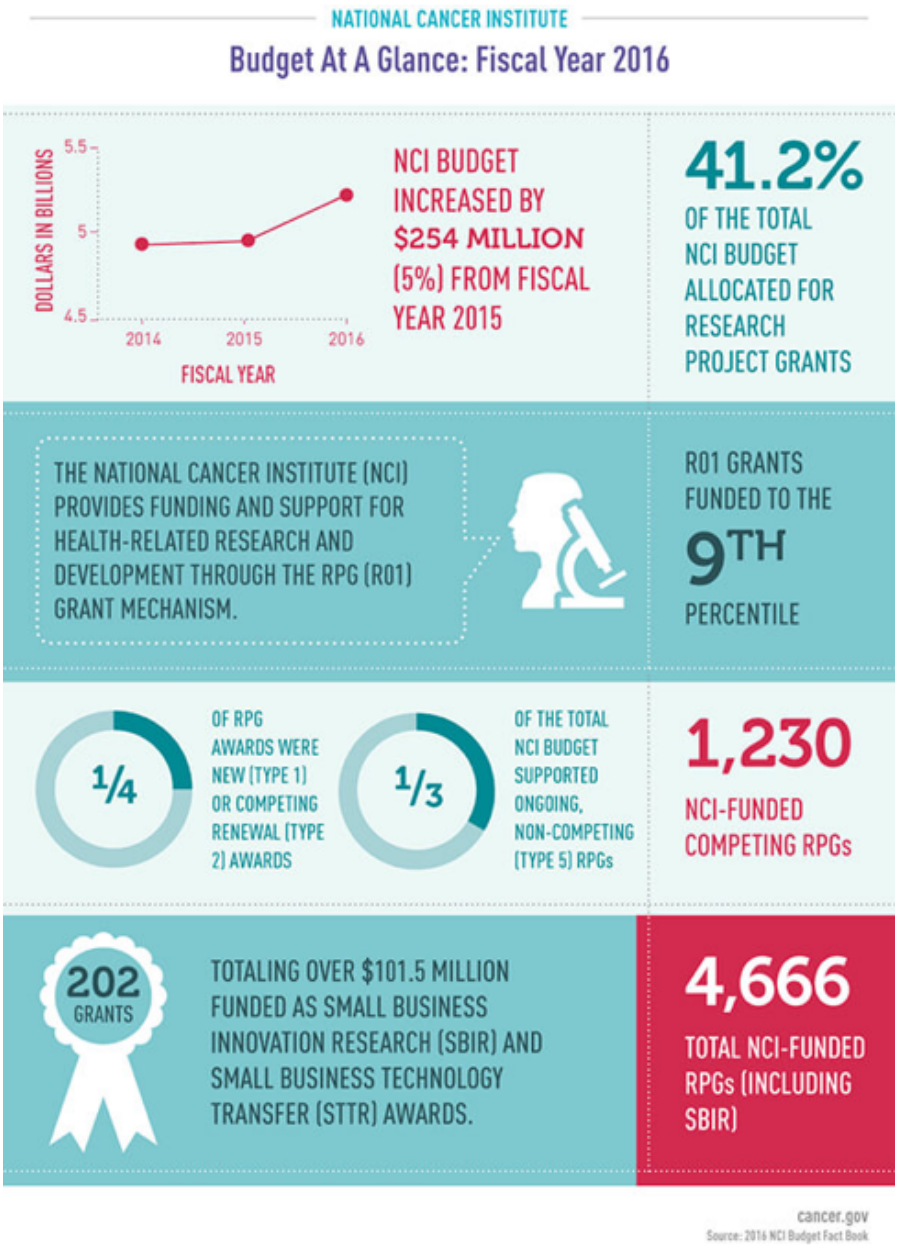
NCI Budget Fact Book

This year's Budget Fact Book provides a summary of the distribution of the Fiscal Year 2016 budget among the various National Cancer Institute (NCI) research programs and funding mechanisms. NCI funding policies related to research grant awards are also provided.

FISCAL YEAR 2016 HIGHLIGHTS



- 41.2% of the total NCI Budget was allocated for Research Project Grants (RPGs).
- Including SBIR, the total number of RPGs funded was 4,666.
- Over one-fourth of the RPGs awarded were new (Type 1) or competing renewal (Type 2) awards.
- 1,230 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.
- 202 grants – totaling $101.5 million – were funded as Small Business Innovation Research (SBIR) and Small Business Technology Transfer (STTR) awards.

Where to Find Information from Previous Fact Books

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 dollar amounts displayed in the NCI Budget Fact Book represent direct appropriated funds only, unless otherwise denoted.

NCI Budget Summary Data

Most Recent Reported Fiscal Year Budget

FY 2016, Congress passed an Omnibus that appropriated $5.215 billion for NCI. After permissive transfers, $5.206 billion was available to NCI to obligate.

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 2016 BUDGET

(Whole Dollars)

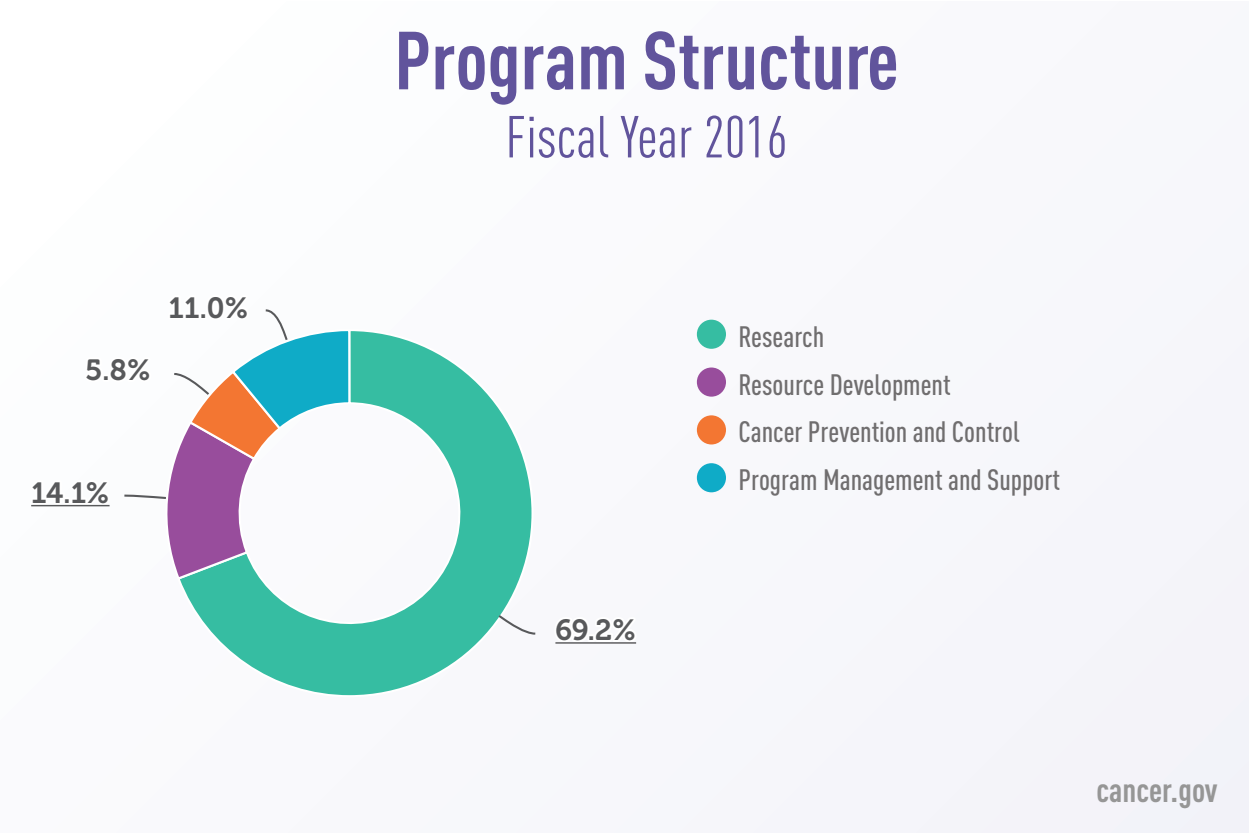
FY 2016 Appropriation	$5,214,701,000
Transfer under the HHS Secretary's transfer authority	-7,217,390
Transfer from NIH Office of AIDS Research	-1,192,000
Lapse	-122,338
Actual Obligations Subtotal	$5,206,169,272
Reimbursable Obligations	$22,087,169
Total FY 2016 NCI Obligations	**$5,228,256,441**

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:

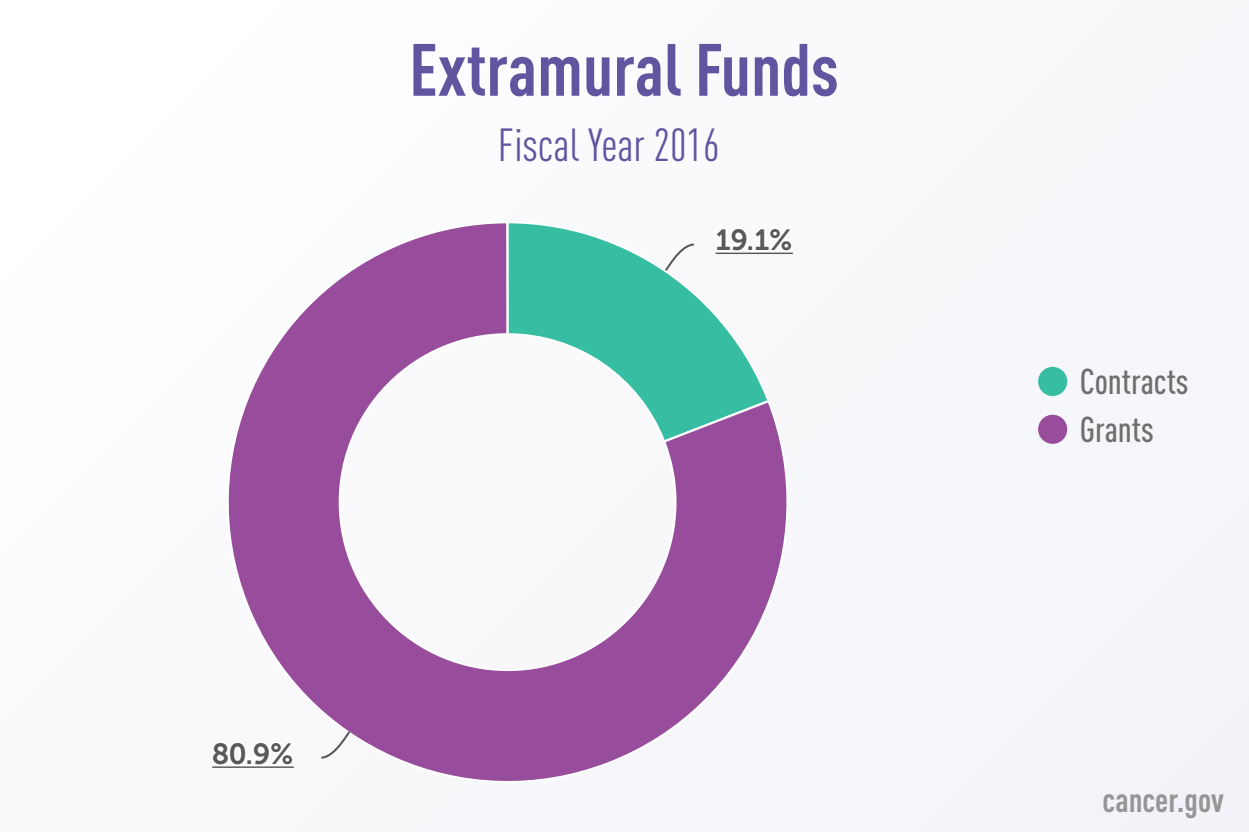
- Research – categorized by the following research thrusts: cancer causation; detection and diagnosis; treatment; cancer biology
- Resource Development – cancer centers support, research manpower development, buildings and facilities
- Cancer Prevention and Control
- Program Management and Support



Extramural Funding

Overall, NCI obligations for its extramural program, which includes grants and contracts, totaled $3.911 billion in FY 2016.

- Obligations for grants totaled approximately 81% of extramural funding
- Obligations for contracts totaled approximately 19% of extramural funding
- Overall, extramural obligations amounted to approximately 75% of the NCI budget in FY 2016



EXTRAMURAL FUNDS FISCAL YEAR 2016

(Whole Dollars)

Contracts:		
Research & Development (R&D) Contracts	$732,344,251	18.7%
Buildings and Facilities	16,000,000	0.4%
Subtotal Contracts	**$748,344,251**	**19.1%**
Grants:		

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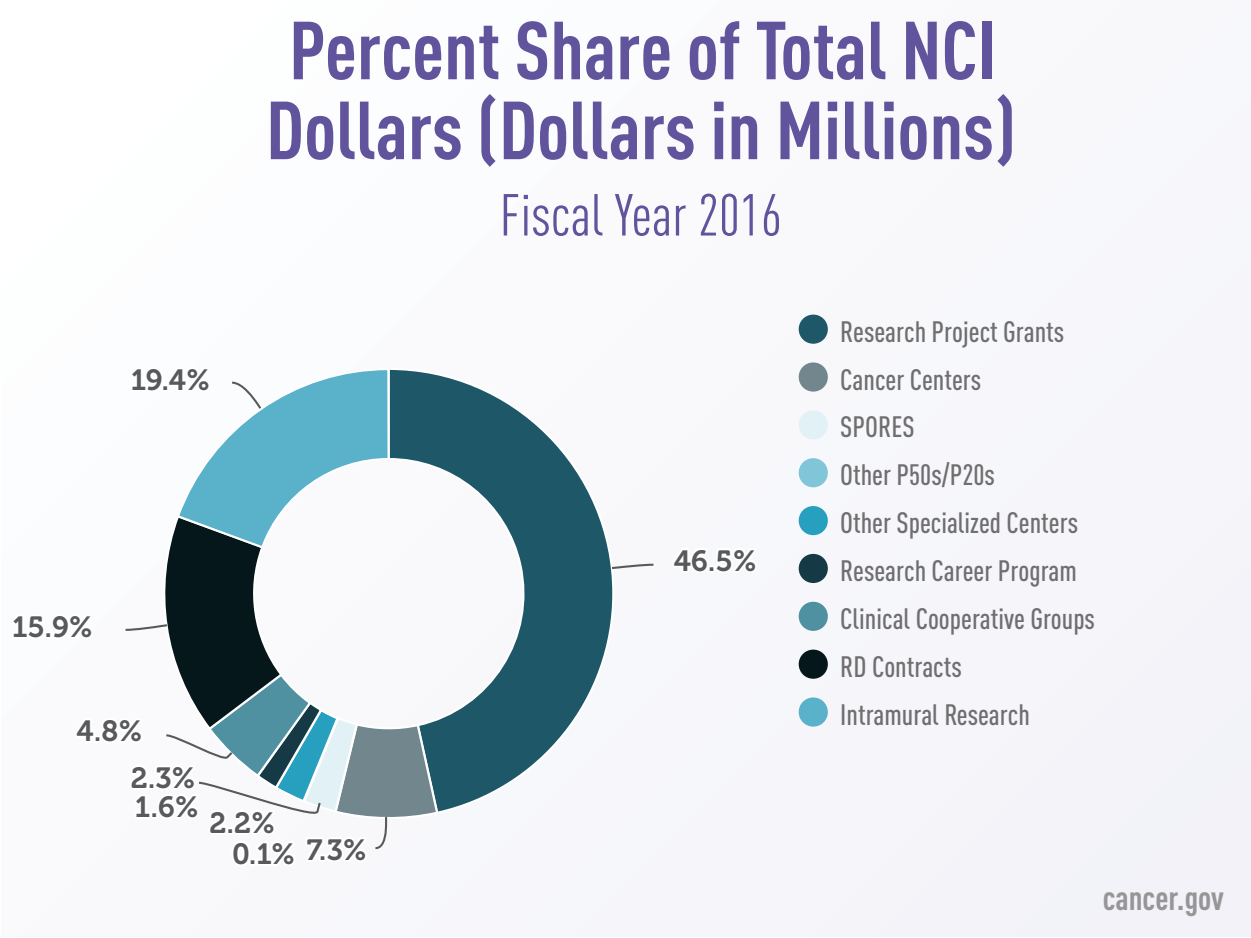
Mechanism	Amount	Percent
Research Project Grants (RPGs)	2,146,074,062	54.9%
Cancer Centers/Specialized Centers/SPORES	545,331,709	13.9%
NRSA	73,016,101	1.9%
Other Research Grants	399,110,091	10.2%
Subtotal Grants	**$3,163,531,963**	**80.9%**
Subtotal Extramural Funds	**$3,911,876,214**	**100%**
Extramural Funds	*3,911,876,214*	*75.1%*
Intramural/RMS Funds	*1,294,293,058*	*24.9%*
Total NCI	**$5,206,169,272**	**100%**

Obligations by Budget Mechanism and 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 by Mechanism



NCI OBLIGATIONS

NCI Obligations by Mechanism, FY 2016

(Whole Dollars)

	Non-Competing	3,234	$1,509,913,855
Research Project Grants (RPGs)	Administrative Supplements	203	21,511,378
	Competing	1,230	513,170,359
	Subtotal, without SBIR/STTR Grants	**4,464**	**$2,044,595,592**
	SBIR/STTR Grants	202	101,478,470
	Subtotal, RPGs	**4,666**	**$2,146,074,062**
Centers & SPOREs	Cancer Centers Grants-P20/P30	95	335,003,790
	SPOREs-P50	50	108,198,397
	Other P50s/P20s	4	2,815,700
	Other Specialized Centers	68	99,313,822
	Subtotal, Centers	**217**	**$545,331,709**
Other Research	Career Program		
	Temin & Minority Mentored Awards-K01/K43	42	5,592,518
	Temin & Minority Mentored Awards-K02		
	Estab. Inv. Award-K-05	9	888,629
	Preventive Oncology-K07	63	9,634,693
	Clinical Investigator-K08	90	14,777,429
	Physician Investigator-K11		
	Clinical Oncology-K12	19	13,299,012

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	Stem Cell Research-K18		
	Transitional Career Development-K22	56	9,995,612
	Mentored Patient Oriented RCDA-K23	20	3,337,530
	Mid-Career Invest. & Patient Orient. Res-K24	17	2,913,847
	Mentored Quant. Res Career-K25	9	1,372,352
	Inst. Curr. Award-K30		
	Pathway to Independence Awards K99	77	9,789,203
	Subtotal, Career Program	**402**	**$71,600,825**
Other Research	Cancer Education Program-R25(including BD2K)	78	23,948,770
	Clinical Cooperative Groups-U10/UG1	104	220,960,902
	Biomedical Research Support-S07/S10		
	Minority Biomedical Support-S06	2	240,000
	Rsch Enhance-SC1 & Pilot Research - SC2	1	157,000
	Continuing Education		
	Resource Grants-R24/U24	61	80,309,897
	Explor Coop Agreement-U56		
	Int'l Rsrch Training Grants Conference- D43/U2R	0	1,183,808
	Conference Grants-R13	52	708,889
	Subtotal, Career and Other Research Grants	**700**	**$399,110,091**
Subtotal, Research Grants		**5,583**	**$3,090,515,862**

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National Research Service Award (NRSA) Fellowships	Trainees	689	73,016,101
R&D Contracts	R&D Contracts	443	679,906,443
	SBIR Contracts	50	34,164,610
	NIH Management Fund/SSF Assessment		18,273,198
	Subtotal, Contracts	493	$732,344,251
Intramural Research	Program	1,758	702,190,588
	NIH Management Fund/SSF Assessment		192,337,753
	Subtotal, Intramural Research *(FTEs)*	**1,758**	**$894,528,341**
Research Management & Support (RMS)	Research Management and Support (RMS)	1,233	325,738,749
	SBIR RMS		926,157
	NIH Management Fund/SSF Assessment		73,099,811
	Subtotal, RMS (FTEs)	**1,233**	**$399,764,717**
Buildings & Facilities			16,000,000
Total NCI	**(FTEs)**	**2,991**	**$5,206,169,272**

Division Obligations by Mechanism

DIVISION OBLIGATIONS

Total Division Obligations, FY 2016

(Whole Dollars)

Center for Cancer Research (CCR)	$418,297,244
Division of Cancer Epidemiology and Genetics (DCEG)	94,430,548
Division of Cancer Treatment and Diagnosis (DCTD)	1,16,880,218
Division of Cancer Biology (DCB)	804,016,393
Division of Cancer Control and Population Sciences (DCCPS)	442,537,516
Division of Cancer Prevention (DCP)	329,823,667
Division of Extramural Activities (DEA)	93,469,672
Office of the Director (OD)	1,402,738,816
Total Division	**$4,755,194,074**

CENTER FOR CANCER RESEARCH (CCR)

CCR Obligations

(Whole Dollars)

Intramural Research	Program	$418,297,244
	NIH Management Fund	0
Total CCR		**$418,297,244**

DIVISION OF CANCER EPIDEMIOLOGY AND GENETICS (DCEG)

DCEG Obligations

(Whole Dollars)

Total excludes Research Grants		
R&D Contracts	R&D Contracts	$25,088,636
	SBIR Contracts	0
Intramural Research	Program	69,341,912
	NIH Management Fund	0
Total DCEG		**$94,430,548**

DIVISION OF CANCER TREATMENT AND DIAGNOSIS (DCTD)

DCTD Obligations

(Whole Dollars)

R&D Contracts	Non-Competing	$478,412,995
	Administrative Supplements	4,906,707
	Competing	173,384,049
	Subtotal, RPGs	**$656,703,751**
Centers & SPOREs	Cancer Centers Grants-P20/P30	999,641
	SPOREs-P50	107,933,050
	Other P50s/P20s	1,286,033
	U54s	5,396,258
	Subtotal, Centers	**$115,614,982**

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Other Research–Grants	Cancer Education Program-R25	0
	Clinical Cooperative Groups-U10/UG1	130,890,625
	Minority Biomedical Support-S06	0
	Sci Eval-U09/T09 & Rsch Enhance-SC1	0
	Continuing Education	0
	Resource Grants-R24/U24	15,003,180
	Explor Coop Agreement-U56	0
	Global Infect. Disease Rsrch Training Prog - D43	0
	Conference Grants-R13/U13	0
	Subtotal, Other Research-Grants	**$145,893,805**
Subtotal, Research Grants		**$918,212,538**
R&D Contracts	R&D Contracts	202,571,879
	SBIR Contracts	0
	Subtotal, Contracts	**$202,571,879**
Research Management & Support (RMS)	RMS	49,095,801
	SBIR RMS	0
	NIH Management Fund	0
	Subtotal, RMS	**$49,095,801**
Total DCTD		**$1,169,880,218**

DIVISION OF CANCER BIOLOGY (DCB)

DCB Obligations

(Whole Dollars)

Research Project Grants (RPGs)	Non-Competing	$561,715,123
	Administrative Supplements	2,208,282
	Competing	190,829,169
	Subtotal, RPGs	**$754,752,574**
Centers & SPOREs	Cancer Centers Grants-P20/P30	0
	SPOREs-P50	0
	Other P50s/P20s	0
	U54s	29,752,657
	Subtotal, Centers	**$29,752,657**
Other Research–Grants	Resource Grants-R24/U24	8,378,231
	Subtotal, Other Research–Grants	**$8,378,231**
Research Management & Support (RMS)	RMS	11,132,931
	SBIR RMS	0
	NIH Management Fund	0
	Subtotal, RMS	**$11,132,931**
Total DCB		**$804,016,393**

DIVISION OF CANCER CONTROL AND POPULATION SCIENCES (DCCPS)

DCCPS Obligations

(Whole Dollars)

Research Project Grants (RPGs)	Non-Competing	$561,715,123
	Administrative Supplements	2,208,282
	Competing	190,829,169
	Subtotal, RPGs	**$754,752,574**
Centers & SPOREs	Cancer Centers Grants-P20/P30	0
	SPOREs-P50	0
	Other P50s/P20s	0
	U54s	29,752,657
	Subtotal, Centers	**$29,752,657**
Other Research–Grants	Resource Grants-R24/U24	8,378,231
	Subtotal, Other Research–Grants	**$8,378,231**
R&D Contracts	R&D Contracts	85,912,236
	SBIR Contracts	0
	Subtotal, Contracts	**$85,912,236**
Research Management & Support (RMS)	RMS	33,135,903
	SBIR RMS	0
	NIH Management Fund	0
	Subtotal, RMS	**$33,135,903**
Total DCCPS		**$442,537,516**

DIVISION OF CANCER PREVENTION (DCP)

DCP Obligations

(Whole Dollars)

Research Project Grants (RPGs)	Non-Competing	$105,534,535
	Administrative Supplements	1,717,364
	Competing	56,107,924
	Subtotal, RPGs	**$163,359,823**
Centers & SPOREs	Cancer Centers Grants-P20/P30	0
	SPOREs-P50	0
	Other P50s/P20s	0
	U54s	506,894
	Subtotal, Centers	**$506,894**
Other Research–Grants	Cancer Education Program-R25	0
	Clinical Cooperative Groups-U10/UG1	82,281,528
	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	**$82,281,528**
Subtotal, Research Grants		**$246,148,245**

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R&D Contracts	R&D Contracts	60,108,126
	SBIR Contracts	0
	Subtotal, Contracts	**$60,108,126**
Research Management & Support (RMS)	RMS	23,567,295
	SBIR RMS	0
	NIH Management Fund	0
	Subtotal, RMS	**$23,567,295**
Total DCP		**$329,823,667**

DIVISION OF EXTRAMURAL ACTIVITIES (DEA)

DEA Obligations

(Whole Dollars)

Research Project Grants (RPGs)	Non-Competing	$51,482,408
	Administrative Supplements	11,012,148
	Competing	9,574,307
	Subtotal, RPGs	**$72,068,863**
Research Management & Support (RMS)	RMS	21,400,809
	SBIR RMS	0
	NIH Management Fund	0
Total DEA		**$93,469,672**

OFFICE OF THE DIRECTOR (OD)

OD Obligations
(Whole Dollars)

Research Project Grants (RPGs)	Non-Competing	$0
	Administrative Supplements	0
	Competing	0
	Subtotal, without SBIR/STTR Grants	**$0**
	SBIR/STTR Grants	101,478,470
	Subtotal, RPGs	**$101,478,470**
Research Management & Support (RMS)	Cancer Centers Grants-P20/P30	334,004,149
	SPOREs-P50	265,347
	Other P50s/P20s	136,277
	U54s	56,001,235
	Subtotal, Centers	**$390,407,008**
Other Research–Career Program	Career Program	0
	Temin & Minority Mentored Awards-K01	5,592,518
	Estab. Inv. Award-K05	888,629
	Preventive Oncology-K07	9,634,693
	Clinical Investigator-K08	14,777,249
	Clinical Oncology-K12	13,299,012
	Stem Cell Research-K18	0
	Transitional Career Development-K22	9,995,612

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Other Research–Career Program	Mentored Patient Oriented RCDA-K23	3,337,530
	Mid-Career Invest. & Patient Orient. Res-K24	2,913,847
	Mentored Quant. Res Career-K25	1,372,352
	Pathway Award-K99	9,789,203
	Subtotal, Career Program	**$71,600,825**
Other Research–Grants	Cancer Education Program-R25	23,260,856
	Clinical Cooperative Groups-U10/UG1	7,788,749
	Minority Biomedical Support-S06	240,000
	Sci Eval-U09/T09 & Rsch Enhance-SC1	0
	Continuing Education	157,000
	Resource Grants-R24/U24	56,928,486
	Explor Coop Agreement-U56	0
	Global Infect. Disease Rsrch Training Prog - D43	1,183,808
	Conference Grants-R13/U13	708,889
	Subtotal, Other Research–Grants	**$90,267,788**
Subtotal, Research Grants		**$653,754,091**
NRSA Fellowships		**73,016,101**
R&D Contracts	R&D Contracts	231,106,510
	SBIR Contracts	34,164,610
	NIH Management Fund/SSF Assessment/Program Evaluation	0
	Subtotal, Contracts	**$265,271,120**

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Intramural Research	Program	212,548,246
	NIH Management Fund/SSF Assessment/Program Evaluation	0
	Subtotal, Intramural Research	**$212,548,246**
Research Management & Support (RMS)	RMS	181,223,102
	SBIR RMS	926,157
	NIH Management Fund/SSF Assessment/Program Evaluation	0
	Subtotal, RMS	**$182,149,258**
Buildings and Facilities		16,000,000
Total OD		**$1,402,738,816**

RESEARCH PROJECT GRANTS OBLIGATIONS

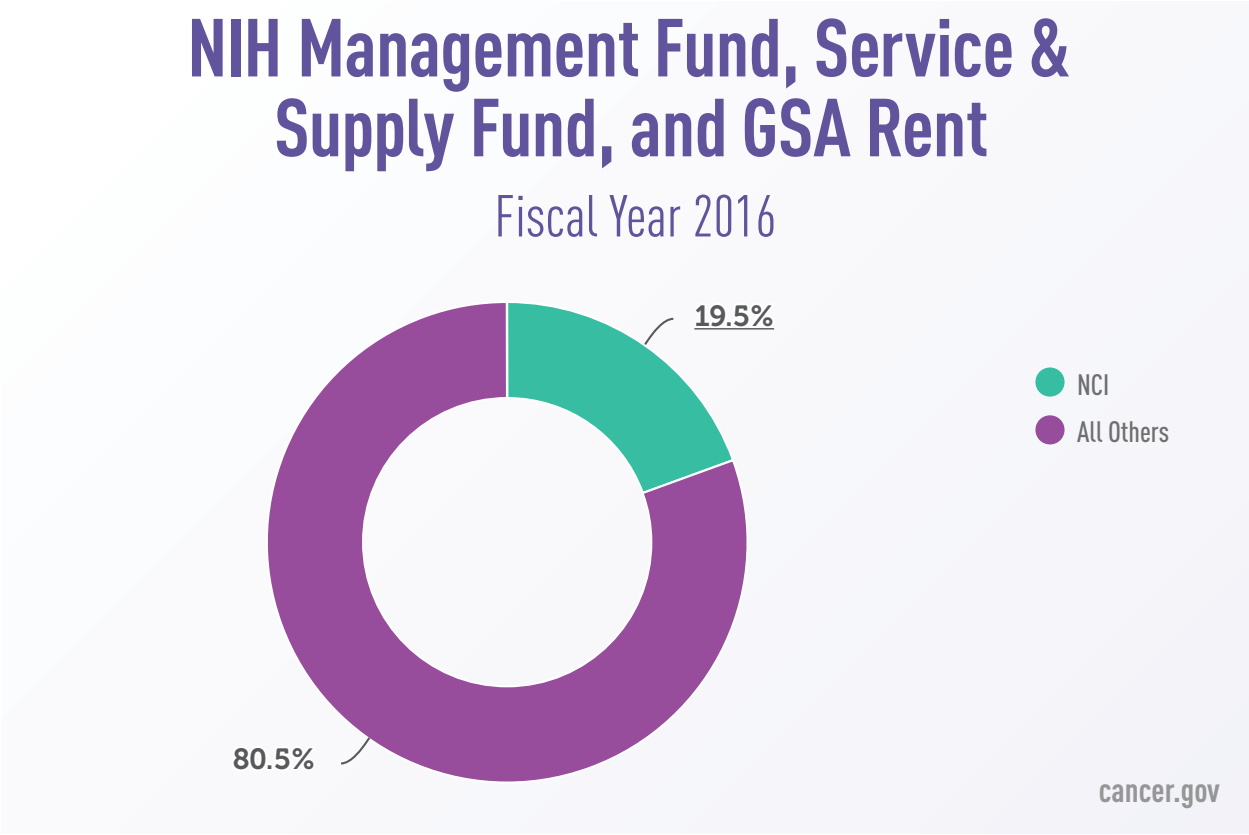
Research Project Grants Obligations

(Whole Dollars)

Research Project Grants	Non-Competing	$1,509,913,855
	Administrative Supplements	21,511,378
	Competing	513,170,359
	Subtotal, without SBIR/STTR Grants	**$2,044,595,592**
	SBIR/STTR Grants	101,478,470
Subtotal, RPGs		**$2,146,074,062**

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.



NIH MANAGEMENT FUND, SSF, AND GSA RENT FY 2016

(Whole Dollars)

Clinical Center	$119,881,792	35.9%
Center for Scientific Review	22,405,754	6.7%
Center for Information Technology	6,333,707	1.9%
Service & Supply Fund Assessment (SSF)	167,460,725	50.1%
Other Research Services	12,817,877	3.8%
Other OD	5,277,230	1.6%
Total NCI Management Fund & SSF	**$334,177,085**	**100%**

MANAGEMENT FUND & SSF SUBTOTALS

Research Project Grants Obligations

(Whole Dollars)

NCI	$334,177,085	19.8%
Other NIH Institutes	1,357,342,842	80.2%
Total NIH MFUND	**$1,691,519,927**	**100%**

The Management Fund provides for the financing of certain common research and administrative support activities which are required in the operations of NIH: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.

- 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, social work, Red Team Response, and CC drug costs.
- 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: 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, biomedical engineering, and GSA rental payments for space (to include all building rental costs, including utilities and guard services).

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)

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	9,334	5,672
2015	24,835	15,772	11,670
2016	28,276	23,411	17,259

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)

*Does not include assessments by NIH.

**2015/2017 and 2016/2018 payments are estimates.

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	48,433	42,891
2014/2016	112,668	33,487	82,595
**2015/2017	122,037	33,000	89,037
**2016/2018	115,093	33,000	82,093

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 2016, NCI has received $58,035,139. 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 2016, $1,654,151 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)

Total NCI Budget	$5,058.1	$5,067.3	$4,789.0	$4,932.0	$4,952.6
AIDS	270.0	271.7	261.6	269.2	269.7
Brain & CNS	172.6	177.5	176.8	180.4	202.1
Breast Cancer	625.1	602.9	559.2	528.5	543.7
Cervical Cancer	81.4	72.6	63.4	71.0	63.4
Colorectal Cancer	265.1	256.3	238.3	223.0	209.3
Head & Neck Cancers	61.8	71.1	57.6	57.1	60.5
Hodgkin Disease	13.4	15.6	14.5	15.4	13.6
Leukemia	227.0	234.7	234.9	236.7	246.9
Liver Cancer	66.2	64.6	64.0	60.0	70.3
Lung Cancer	296.8	315.1	285.9	254.1	256.2
Melanoma	115.6	121.2	122.5	126.2	132.8
Multiple Myeloma	54.9	61.3	45.4	46.6	48.9
Non-Hodgkin Lymphoma	126.4	119.5	113.7	118.0	122.4
Ovarian Cancer	110.8	111.7	100.6	91.5	92.8
Pancreatic Cancer	99.5	105.4	101.9	122.4	125.3
Prostate Cancer	288.3	265.1	255.6	217.8	228.9
Stomach Cancer	13.4	12.1	11.2	11.3	13.5
Uterine Cancer	15.9	19.1	17.8	15.5	13.0

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 $5.206 billion, reflecting an increase of 5 percent, or $254 million from the previous fiscal year. Under the NCI RPG funding policy for FY 2016, 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.

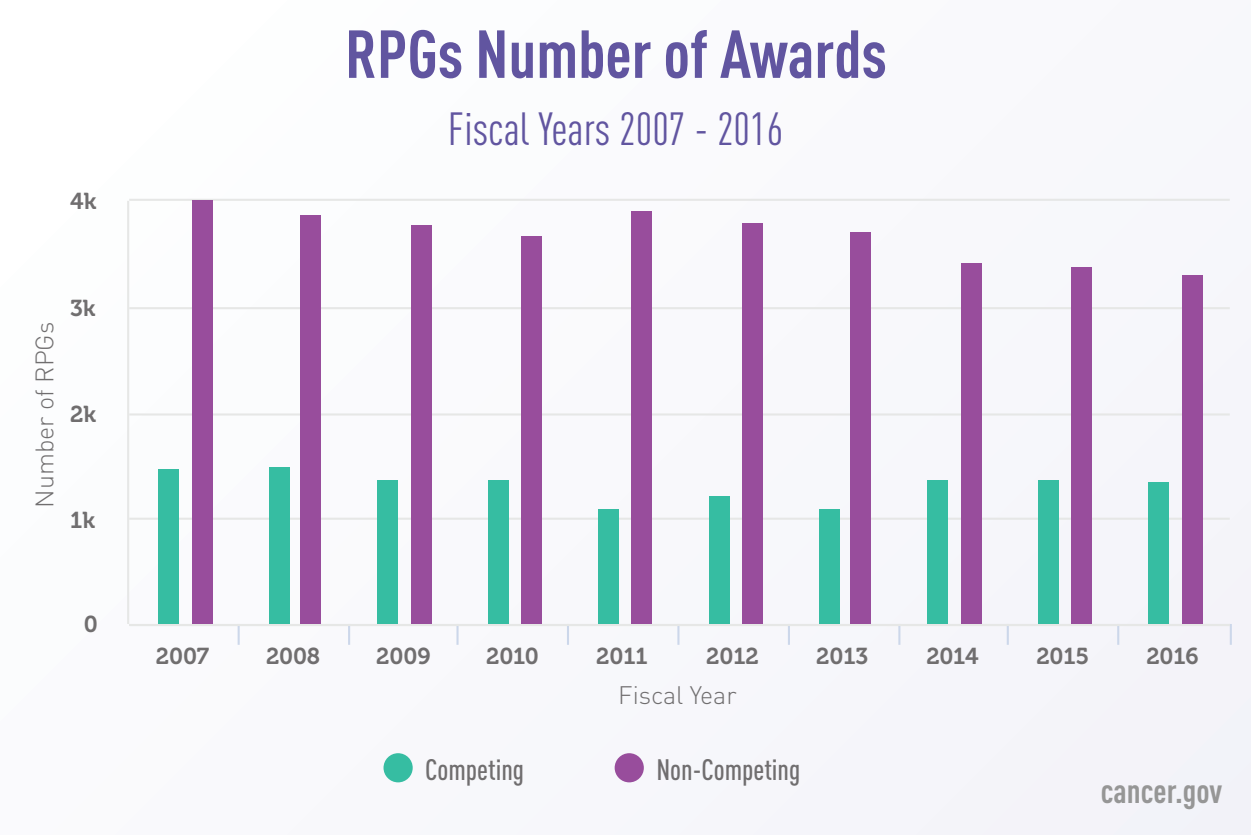
NCI Extramural Programs

Research Project Grants (RPGs)

During fiscal year 2016,

- 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 2016 competing dollars.
- A total of 1,230 competing RPGs were funded.

Number of RPG Awards



RPGs Summary, FY 2015-2016

RPG AWARDS FUNDED

(Dollars in Thousands)

Total Funding for RPGs	4,767	$2,092,635	4,666	$2,146,074
SBIR/STTR	194	92,598	202	101,478
Funding for RPGs without SBIR/STTR Program	4,573	2,000,037	4,464	2,044,595
Continuation or Noncompeting Grants Funded	3,337	1,398,109	3,234	1,432,710
Competing Grants Funded	1,236	508,126	1,230	513,170
Administrative Supplements	226	20,475	204	21,511
Partial Assessment for DHHS Program Evaluation		73,327		77,204

FUNDS SET ASIDE WITHIN COMPETING DOLLARS

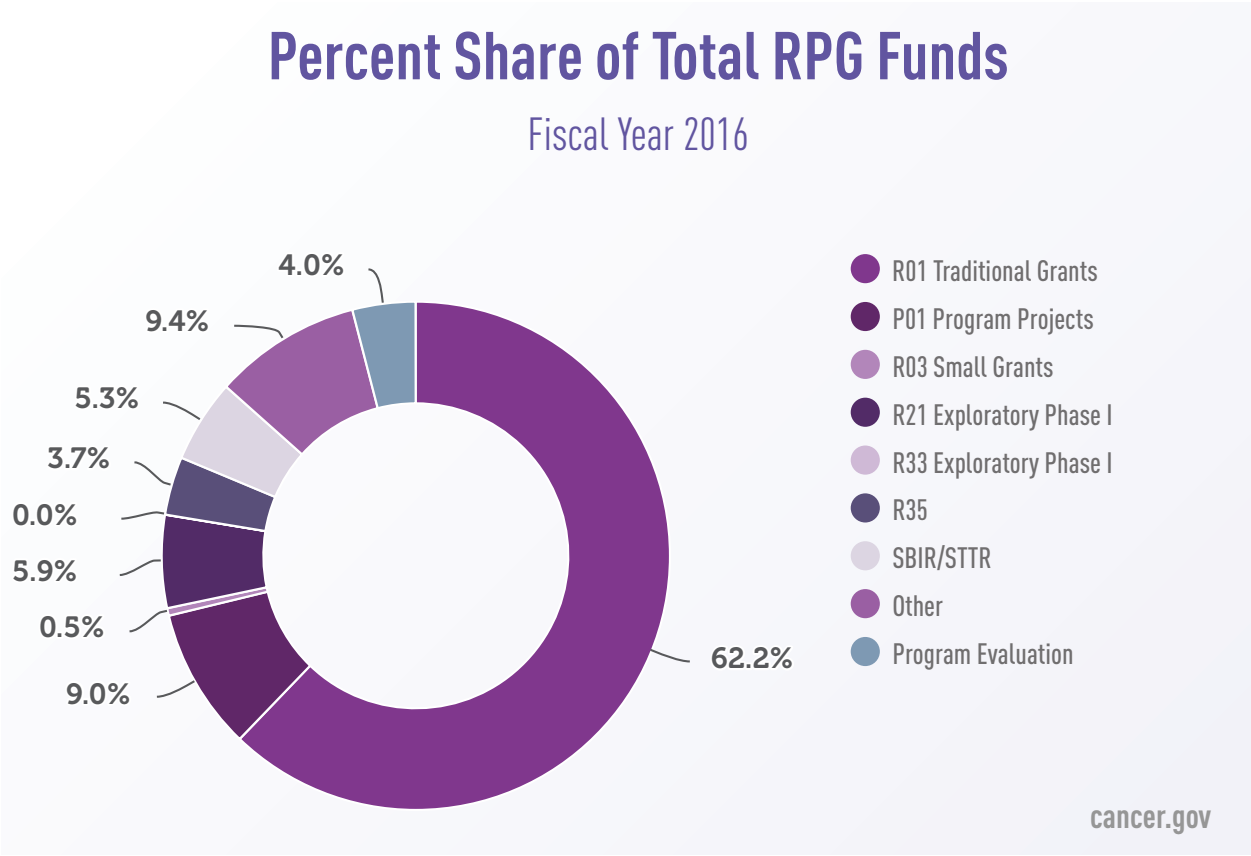
(Dollars in Thousands)

Grants within Paylines		745	$240,874	873	$318,658
	Traditional R01	383	173,076	495	229,472
RFA Grants	Share of Competing Grant Funds	10.4%		13.6%	
		491	267,252	357	194,512
Exception Grants	Share of Competing Grant Funds	52.6%		37.9%	

COMPETING RPGS

*Excludes SBIR/STTR		
Total Competing Application Requests*	9,525	10,241
Funding Success Rate	13.0%	12.0%
Percentile Funding for R01 Grants	9th	10th and 12th
Average Cost-Competing	$411	$417
Average Reduction from Recommended/Requested Levels	-17%	-14%

RPGs Funding Mechanisms



GRANT FUNDING PAYLINES

*SPL = Scientific Program Leaders (NCI)			
R01 Traditional Grants	9th	10th & 12th	Percentile
P01 Program Projects*	N/A	17% Reduction	*SPL Selected
R03 Small Grants	25	25	Impact Score
R21 Exploratory Phase I	9th	7th	Percentile
R33 Exploratory Phase II*	N/A	N/A	SPL* Selected
R41/R42 STTR	30	25	Impact Score
R43/R44 SBIR	30	25	Impact Score

RPGs Requested and Awarded

The following table displays requested and awarded RPGs and the success rate for fiscal years 2015 and 2016. 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)

Success rate is the number of awarded grants divided by the number of awards requested

Includes Small Business Innovation Research and Small Business Technology Transfer Awards.

2015	Competing New	8,919	$3,582,501	1,201	$452,675	
	Competing Renewal	473	268,934	169	108,851	
	Competing Supplement	20	7,482	1	375	
	Competing Subtotal	9,412	3,858,917	1,371	$561,629	14.6%
	Non-Competing			3,396	1,457,679	
	FY 2014 RPG Total			4,573	$2,019,308	

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Fiscal Year	Type	Number Requested	Amount Requested	Number Awarded	Amount Awarded	Success Rate
2016	Competing New	11,047	$4,288,354	1,204	$466,567	
	Competing Renewal	598	375,329	152	95,767	
	Competing Supplement	27	14,839	9	6,928	
	Competing Subtotal	11,672	4,678,522	1,365	$569,262	11.7%
	Non-Competing			3,301	1,499,608	
	FY 2015 RPG Total			4,666	$2,068,870	

RPG Awards by Grant Activity Codes

The table displayed below shows annual spending on NCI grant mechanisms for fiscal years 2015 and 2016. The Download the Data link contains data for the prior ten years.

RPG AWARDS BY GRANT CODES, FY 2015-2016

(Dollars in Thousands)

R01	2,949	$1,174,944	2,883	$1,194,861
DP1	2	2,413	2	3,021
DP2	0	402	0	220
DP5	8	3,501	11	4,818
P01	100	193,818	94	173,358

(Continued from previous page)

Grant Code	2015 Number	2015 Amount	2016 Number	2016 Amount
R00	93	22,841	93	22,620
R37	12	5,695	6	2,649
RFA	363	203,518	371	225,044
U01	165	106,463	148	100,206
U19	2	3,606	2	3,027
UH2	1	2,283	6	1,678
R35	43	34,740	77	71,418
R50	0	0	34	5,674
UH3	0	0	0	432
UM1	15	28,572	14	26,106
R03	162	12,868	114	9,057
R21	639	123,378	585	113,327
R33	0	86	0	0
R15	18	7,317	22	9,315
R56	1	263	2	560
SBIR/STTR	194	92,598	202	101,478
Total	**4,767**	**$2,019,308**	**4,666**	**$2,068,869**

NIH Activity Codes Descriptions

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 2016

(Dollars in Thousands)

Total P30s	69	$310,591
Planning Grants (P20s)	26	6,510
Other P20, P30 & U41	0	17,902
Total Cancer Centers	95	$335,003

*Per the National Institutes of Health's Office of Extramural Research (OER) "Count Rules" & guidelines policy, updated each fiscal year with limits based on the cost center and division; this category is to be reported

NCI-DESIGNATED CANCER CENTERS BY STATE (P30 CORE GRANTS), FY 2016

(Dollars in Thousands)

Alabama	University of Alabama at Birmingham	Comprehensive Core	1	$5,576
Arizona	University of Arizona	Comprehensive Core	1	4,278
California	Burnham Institute for Medical Research	Basic Core	1	3,887
	City of Hope/Beckman Research Institute	Comprehensive Core	1	2,807
	Salk Institute for Biological Studies	Basic Core	1	3,092
	Stanford University	Clinical Core	1	3,345

(Continued from previous page)

State	Grantee Institution	Code	Count	Amount
California	University of California San Diego	Comprehensive Core	1	4,012
	University of California Davis	Comprehensive Core	1	3,726
	University of California Irvine	Comprehensive Core	1	2,282
	University of California Los Angeles	Comprehensive Core	1	4,295
	University of California San Francisco	Comprehensive Core	1	8,520
	University of Southern California	Comprehensive Core	1	6,354
Colorado	University of Colorado Denver	Comprehensive Core	1	4,143
Connecticut	Yale University	Comprehensive Core	1	3,787
Dist of Col	Georgetown University	Comprehensive Core	1	2,656
Florida	H. Lee Moffitt Cancer Center & Research Institute	Comprehensive Core	1	3,930
Georgia	Emory University	Clinical Core	1	2,038
Hawaii	University of Hawaii at Manoa	Comprehensive Core	1	2,113
Illinois	Northwestern University at Chicago	Comprehensive Core	1	5,067
	University of Chicago	Comprehensive Core	1	5,135
Indiana	Indiana Univ-Purdue Univ at Indianapolis	Clinical Core	1	3,105
	Purdue University West Lafayette	Basic Core	1	2,360
Iowa	University of Iowa	Comprehensive Core	1	2,840
Kansas	University of Kansas Medical Center	Clinical Core	1	2,281

(Continued from previous page)

State	Grantee Institution	Code	Count	Amount
Kentucky	University of Kentucky	Clinical Core	1	2,306
Maine	Jackson Laboratory	Basic Core	1	2,558
Maryland	Johns Hopkins University	Comprehensive Core	1	6,995
	University of Maryland Baltimore	Clinical Core	1	2,459
Massachusetts	Dana-Farber Cancer Institute	Comprehensive Core	1	12,801
	Massachusetts Institute of Technology	Basic Core	1	4,714
Michigan	University of Michigan at Ann Arbor	Comprehensive Core	1	6,907
	Wayne State University	Comprehensive Core	1	3,013
Minnesota	Mayo Clinic in Rochester	Comprehensive Core	1	7,156
	University of Minnesota Twin Cities	Comprehensive Core	1	3,561
Missouri	Washington University	Comprehensive Core	1	4,952
Nebraska	University of Nebraska Medical Center	Clinical Core	1	2,157
New Hampshire	Dartmouth College	Comprehensive Core	1	3,389
New Jersey	Rutgers Cancer Institute of New Jersey	Comprehensive Core	1	2,415
New Mexico	University of New Mexico	Clinical Core	1	2,422
New York	Albert Einstein College of Medicine Yeshiva University	Clinical Core	1	4,645
	Cold Spring Harbor Laboratory	Basic Core	1	4.405
	Columbia University Health Sciences	Comprehensive Core	1	4,643

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State	Grantee Institution	Code	Count	Amount
New York	Ichan School of Medicine at Mount Sinai	Clinical Core	1	2,373
	New York University School of Medicine	Clinical Core	1	2,549
	Roswell Park Cancer Institute Corp	Comprehensive Core	1	5,550
	Memorial Sloan-Kettering Institute for Cancer Res	Comprehensive Core	1	14,302
North Carolina	Duke University	Comprehensive Core	1	6,012
	University of North Carolina Chapel Hill	Comprehensive Core	1	7,493
	Wake Forest University Health Sciences	Comprehensive Core	1	2,214
Ohio	Case Western Reserve University	Comprehensive Core	1	5,095
	Ohio State University	Comprehensive Core	1	6,137
Oregon	Oregon Health and Science University	Clinical Core	1	2,289
Pennsylvania	Fox Chase Cancer Center	Comprehensive Core	1	2,925
	Thomas Jefferson University	Clinical Core	1	2,807
	University of Pennsylvania	Comprehensive Core	1	8,675
	University of Pittsburgh at Pittsburgh	Comprehensive Core	1	6,079
	Wistar Institute	Basic Core	1	2,645
South Carolina	Medical University of South Carolina	Clinical Core	1	2,197
Tennessee	St. Jude Children's Research Hospital	Comprehensive Core	1	6,166
	Vanderbilt University	Comprehensive Core	1	6,920

(Continued from previous page)

State	Grantee Institution	Code	Count	Amount
Texas	Baylor College of Medicine	Clinical Core	1	4,058
	University of Texas M.D. Anderson Cancer Center	Comprehensive Core	1	13,055
Texas	University of Texas San Antonio Health Science Center	Clinical Core	1	2,093
	University of Texas Southwestern Medical Center	Clinical Core	1	2,679
Utah	University of Utah	Clinical Core	1	3,143
Virginia	University of Virginia Charlottesville	Clinical Core	1	2,388
	Virginia Commonwealth University	Clinical Core	1	2,276
Washington	Fred Hutchinson Cancer Research Center	Comprehensive Core	1	11,056
Wisconsin	University of Wisconsin	Comprehensive Core	1	4,288
Total Cancer Centers			**95**	**$335,003**

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 2016 FUNDING FOR SPORE GRANTS

(Whole Dollars)

	Brain	4	$8,357,798
	Breast	6	12,454,145
	Cervical	1	2,152,942
	Genitourinary	2	4,066,211
	Gastrointestinal (GI)	5	8,420,407
P50 SPOREs	Leukemia	2	4,385,801
	Lung	3	7,998,326
	Lymphoma	3	6,968,336
	Melanoma	2	4,323,999
	Ovarian	2	3,190,849
	Pancreatic	4	9,268,450

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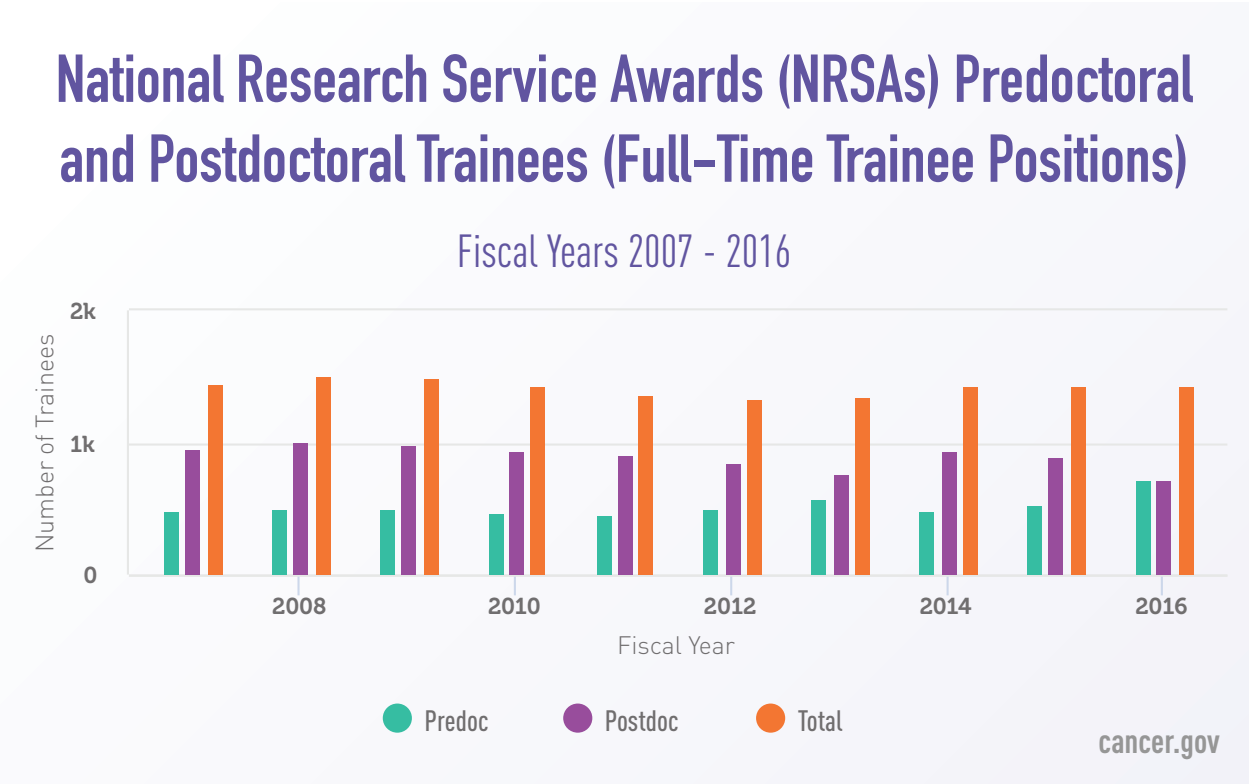
Mechanism	Site	Number	Amount
P50 SPOREs	Prostate	8	18,085,210
	Skin	4	8,167,717
	Skin	4	8,167,717
	Renal	1	2,162,000
	Uterine	1	2,162,000
	Subtotal	**51**	**$108,144,911**
U54 SPOREs	Hyperactive RAS	1	$2,162,000
	Sarcoma	2	2,209,691
	Subtotal	**3**	**$4,371,691**
Co-funded	Head & Neck with NIDCR	0	547,200
	Total Co-funded		**$547,200**
Total Number of SPOREs, Total SPORE Funding		**54**	**$113,063,802**

*Total funding shown represents the SPORE program using relevant U54s.

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

This trainee award program is named after Dr. Ruth L. Kirschstein, a polio vacciYEA 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.

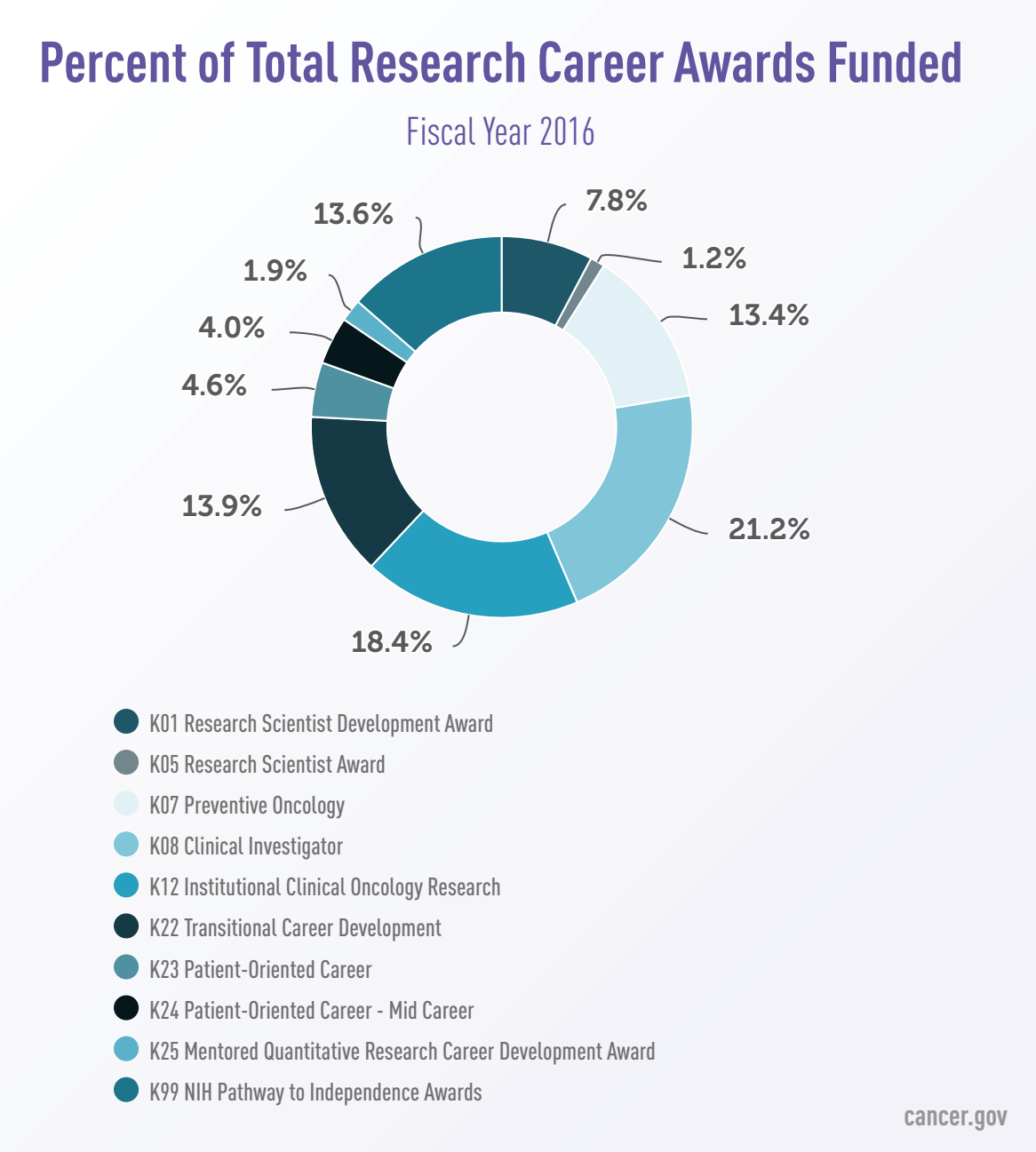


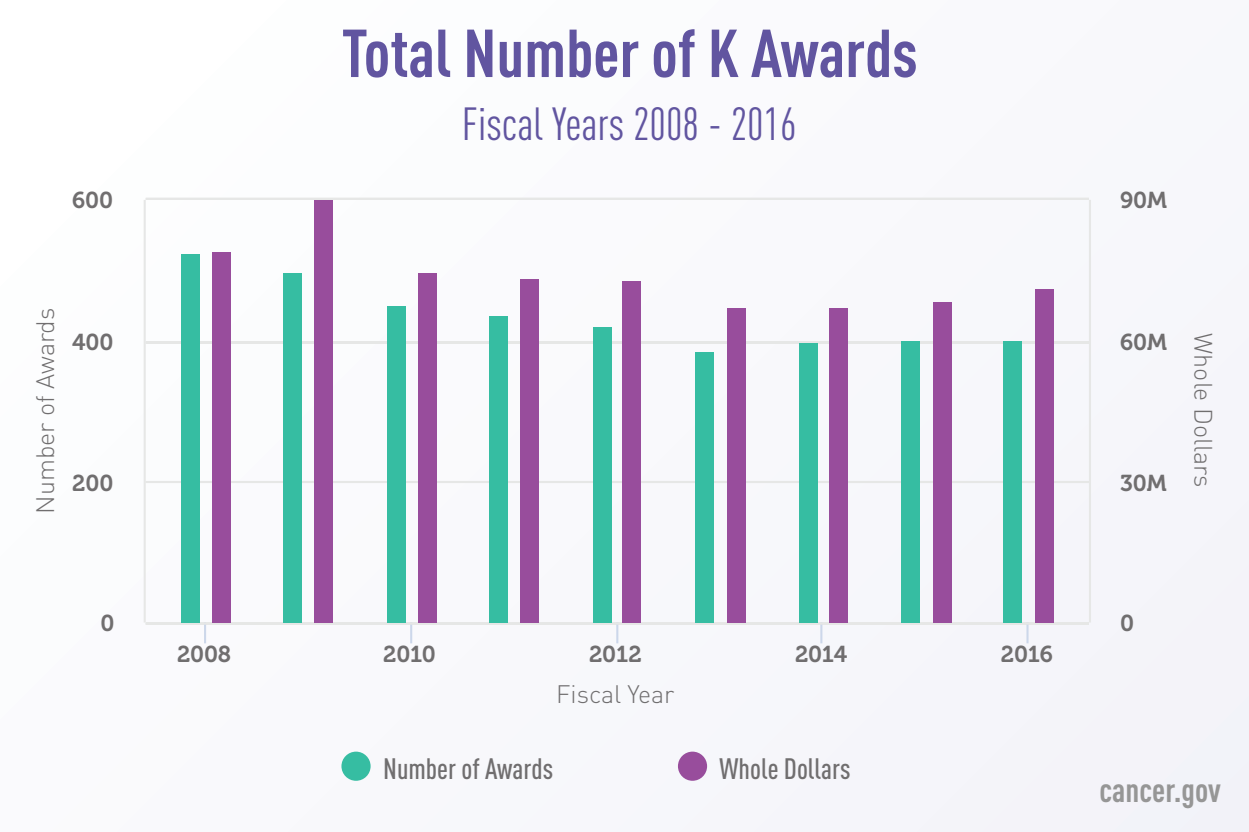
Research Career Awards "K" Program

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 4 percent in FY 2016
- The number of Research Career Awards increased by 2 between FY 2015 and FY 2016
- NCI funded 77 awards for the NIH Pathway to Independence Program





RESEARCH CAREER AWARDS "K" PROGRAM, FY 2015 AND FY 2016

Number Awarded, Amount Funded, Percent of Total Awards Funded

(Dollars in Thousands)

K01 Temin Awards	0	$0	0	$0	0%
K01 Minority Mentored Career Development Award	49	6,227	42	5,593	10
Subtotal, K01s	**49**	**$6,227**	**42**	**$5,593**	**10%**
K05 Research Scientist Award	14	1,448	9	888	2
K07 Preventive Oncology	66	9,866	63	9,635	16
K08 Clinical Investigator	95	15,276	90	14,777	22
K12 Institutional Clinical Oncology Research	17	12,266	19	13,299	5

(Continued from previous page)

Research Career Award	Number of 2015 Awards	2015 Amt	Number of 2016 Awards	2016 Amt	Percentage
K18 Career Enhancement Award for Stem Cell Research	0	0	0	0	0
K22 Transitional Career Development	41	6,985	56	9,996	14
K23 Patient-Oriented Career	27	4,480	20	3,338	5
K24 Patient- Oriented Career – Mid Career	17	2,689	17	2,914	4
K25 Mentored Quantitative Research Career Development Award	11	1,666	9	1,372	2
K99 NIH Pathway to Independence Awards	64	7,918	77	9,789	19
Total Research Career Program	**401**	**$68,821**	**402**	**$71,601**	**100%**

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 2016

(Whole Dollars)

Alabama	60	$27,128,555	5	$2,654,617	65	$29,783,172
Alaska	1	167,944	0	0	1	167,944
Arizona	54	29,903,883	1	3,186,536	55	33,090,419
Arkansas	16	5,825,373	1	299,999	17	6,125,372
California	823	439,048,383	30	28,255,358	853	467,303,741
Colorado	102	33,946,487	1	1,500,000	103	35,446,487
Connecticut	95	44,965,826	1	2,837,071	96	47,802,897
Delaware	5	3,942,993	0	0	5	3,942,993
District of Columbia	59	24,647,444	3	22,264,513	62	46,911,957
Florida	158	70,759,296	6	1,936,093	164	72,695,389
Georgia	108	37,082,126	1	4,828,079	109	41,910,205
Hawaii	14	14,432,516	2	1,494,253	16	15,926,769
Idaho	0	0	0	0	0	0

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State	No. of Grants	Amount for Grants	No. of Contracts	Amount for Contracts	Total Number	Total Amount
Illinois	223	94,445,996	10	8,289,822	233	102,735,818
Indiana	70	26,991,237	0	0	70	26,991,237
Iowa	37	19,063,670	3	4,978,776	40	24,042,446
Kansas	31	13,373,597	0	0	31	13,373,597
Kentucky	47	16,627,690	1	2,043,810	48	18,671,500
Louisiana	25	7,479,584	1	2,291,427	26	9,771,011
Maine	10	5,545,687	0	0	10	5,545,687
Maryland	203	93,190,838	44	458,477,527	247	551,668,365
Massachusetts	599	321,618,475	11	16,085,799	610	337,704,274
Michigan	180	87,808,872	3	5,965,755	183	93,774,627
Minnesota	174	108,177,708	5	2,654,282	179	110,831,990
Mississippi	3	1,080,973	0	0	3	1,080,973
Missouri	95	47,672,844	3	4,720,387	98	52,393,231
Montana	3	856,792	0	0	3	856,792
Nebraska	39	16,081,688	0	0	39	16,081,688
Nevada	4	2,802,508	0	0	4	2,802,508
New Hampshire	34	15,878,083	1	224,679	35	16,102,762
New Jersey	70	24,595,040	2	4,482,149	72	29,077,189
New Mexico	22	10,905,759	1	3,198,069	23	14,103,828
New York	682	315,994,058	8	5,420,949	690	321,415,007
North Carolina	264	116,564,778	9	10,462,779	273	127,027,557
North Dakota	4	1,052,224	0	0	4	1,052,224

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State	No. of Grants	Amount for Grants	No. of Contracts	Amount for Contracts	Total Number	Total Amount
Ohio	262	117,572,641	4	226,716	266	117,799,357
Oklahoma	27	11,276,658	1	830,749	28	12,107,407
Oregon	51	28,520,959	1	1,457,589	52	29,978,548
Pennsylvania	452	263,948,094	7	3,132,143	459	267,080,237
Rhode Island	15	2,259,210	0	0	15	2,259,210
South Carolina	61	26,441,352	1	1,499,547	62	27,940,899
South Dakota	2	1,430,065	0	0	2	1,430,065
Tennessee	168	94,249,952	0	0	168	94,249,952
Texas	439	198,563,110	5	4,043,793	444	202,606,903
Utah	61	24,177,483	2	2,717,942	63	26,895,425
Vermont	4	656,643	0	0	4	656,643
Virginia	83	40,392,017	8	4,728,809	91	45,120,826
Washington	198	134,625,870	6	13,460,675	204	148,086,545
West Virginia	9	2,611,270	0	0	9	2,611,270
Wisconsin	81	39,181,846	3	5,732,210	84	44,914,056
Wyoming	0	0	0	0	0	0
Subtotal	6,227	3,065,566,097	191	636,382,900	6,418	3,701,948,997
Guam	1	777,986	0	0	1	777,986
Puerto Rico	6	4,428,908	0	0	6	4,428,908
Total	**6,234**	**$3,070,772,991**	**191**	**$636,382,900**	**6,425**	**$3,707,155,891**

Grant and Contract Awards by Country

GRANT AND CONTRACT AWARDS BY COUNTRY, FY 2016

(Whole Dollars)

Australia	2	$877,567	0	$0	2	$877,567
Bostwana	1	239,055	0	0	1	239,055
Canada	11	6,214,140	0	0	11	6,214,140
China	0	0	2	5,108,153	2	5,108,153
France	7	2,708,131	0	0	7	2,708,131
India	0	224,974	0	0	0	224,974
Israel	1	199,019	0	0	1	199,019
Mexico	1	247,164	0	0	1	247,164
Italy	0	0	2	119,532	0	119,532
Argentina	0	45,706	1	157,967	0	203,673
Germany	3	1,006,289	0	0	3	1,006,289
Peru	0	224,955	0	0	0	224,955
So AFR	3	597,952	0	0	3	597,952
Switzerland	2	693,016	0	0	2	693,016
United Kingdom	2	427,762	0	0	2	427,762
Total	**33**	**$13,705,730**	**5**	**$5,385,652**	**38**	**$19,091,382**

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 2016.

INSTITUTIONS RECEIVING MORE THAN $15 MILLION IN NCI SUPPORT, FY 2016

(Whole Dollars)

Includes Manpower Development Grants

Alabama	University of Alabama at Birmingham	$21,688,965	$922,642	$22,611,607
California	Burnham Institute for Medical Research	18,898,478	0	18,898,478
	City of Hope's Beckman Research Institute	24,864,674	0	24,864,674
	Stanford University	56,677,142	45,258	56,722,400
	University of California Los Angeles	57,382,377	150,000	57,532,377
	University of California Davis	20,727,594	0	20,727,594
	University of California San Diego	34,431,836	0	34,431,836
	University of Southern California	34,797,834	4,099,399	38,897,233
Colorado	University of Colorado Health Sciences Center	24,832,401	0	24,832,401
Connecticut	Yale University	38,823,133	0	38,823,133
District of Columbia	Georgetown University	16,658,381	0	16,658,381
Florida	University of Florida	16,384,610	25,000	16,409,610

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State	Institution	Grants	Contracts	Total NCI
	H. Lee Moffitt Cancer Center & Research Institute	29,111,025	0	29,111,025
Georgia	Emory University	22,548,465	2,313,271	24,861,736
Illinois	Northwestern University	38,247,062	3,845,801	42,092,863
	University of Chicago	20,692,531	0	20,692,531
Iowa	University of Iowa	15,296,191	4,747,545	20,043,736
Indiana	Indiana University - Purdue Univ at Indianpolis	17,789,831	0	17,789,831
Maryland	The Johns Hopkins University	72,472,736	8,077,660	80,550,396
Massachusetts	Brigham and Women's Hospital	46,079,130	0	46,079,130
	Beth Israel Deaconess Medical Center	19,525,231	0	19,525,231
	Dana-Farber Cancer Institute	93,193,474	0	93,193,474
	Harvard University	16,594,036	0	16,594,036
	Massachusetts General Hospital	50,728,473	0	50,728,473
	Massachusetts Institute of Technology	20,210,604	0	20,210,604
Michigan	University of Michigan at Ann Arbor	60,090,518	0	60,090,518
Minnesota	Mayo Clinic in Rochester	68,892,246	2,515,805	71,408,051
	University of Minnesota	31,125,863	138,477	31,264,340
Missouri	Washington University	41,961,142	0	41,961,142

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State	Institution	Grants	Contracts	Total NCI
New York	Albert Einstein College of Medicine	20,409,901	445,512	20,855,413
	Columbia University Health Sciences	40,021,498	0	40,021,498
	Cold Spring Harbor Laboratory	15,127,746		15,127,746
	Mount Sinai School of Medicine	26,247,769	0	26,247,769
	New York University School of Medicine	26,670,488	0	26,670,488
	Roswell Park Cancer Institute Corporation	23,763,151	0	23,763,151
	Sloan-Kettering Institute for Cancer Research	85,451,410	0	85,451,410
	Weill Medical Coll of Cornell Univ	15,549,367	423,381	15,972,748
North Carolina	Duke University	40,270,926	0	40,270,926
	Medical University of South Carolina	19,479,695	0	19,479,695
	Wake Forest UniversityHealth Sciences	17,482,299	95,000	17,577,299
	University of North Carolina at Chapel Hill	50,214,922	0	50,214,922
Ohio	Case Western Reserve University	26,125,870	0	26,125,870
	Ohio State University	54,025,362	164,880	54,190,242
Oregon	Oregon Health and Science University	24,626,003	0	24,626,003
Pennsylvania	ECOG-ACRIN Medical Research Foundation	19,759,934	0	19,759,934

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State	Institution	Grants	Contracts	Total NCI
	Children's Hosp of Philadelphia	37,305,860	0	37,305,860
	NRG Oncology Foundation, INC	22,561,487	0	22,561,487
	University of Pennsylvania	56,874,756	0	56,874,756
	University of Pittsburgh	54,342,931	395,815	54,738,746
	Wistar Institute	22,612,237	0	22,612,237
Tennessee	St. Jude Children's Research Hospital	27,453,567	0	27,453,567
	Vanderbilt University	46,338,161	0	46,338,161
Texas	Baylor College of Medicine	33,416,812	0	33,416,812
	University of Texas, MD Anderson Cancer Center	88,831,330	3,146,728	91,978,058
	University of Texas, SW Medical Center at Dallas	24,448,885	0	24,448,885
Utah	University of Utah	22,524,548	2,417,942	24,942,490
Virginia	University of Virginia	17,940,524	0	17,940,524
Washington	Fred Hutchinson Cancer Research Center	90,913,482	4,641,649	95,555,131
	University of Washington	25,020,760	50,000	25,070,760
Wisconsin	University of Wisconsin	25,691,666	2,125,338	27,817,004
	Total	**$2,210,105,669**	**$40,881,291**	**$2,250,986,960**

NCI Historical Trends

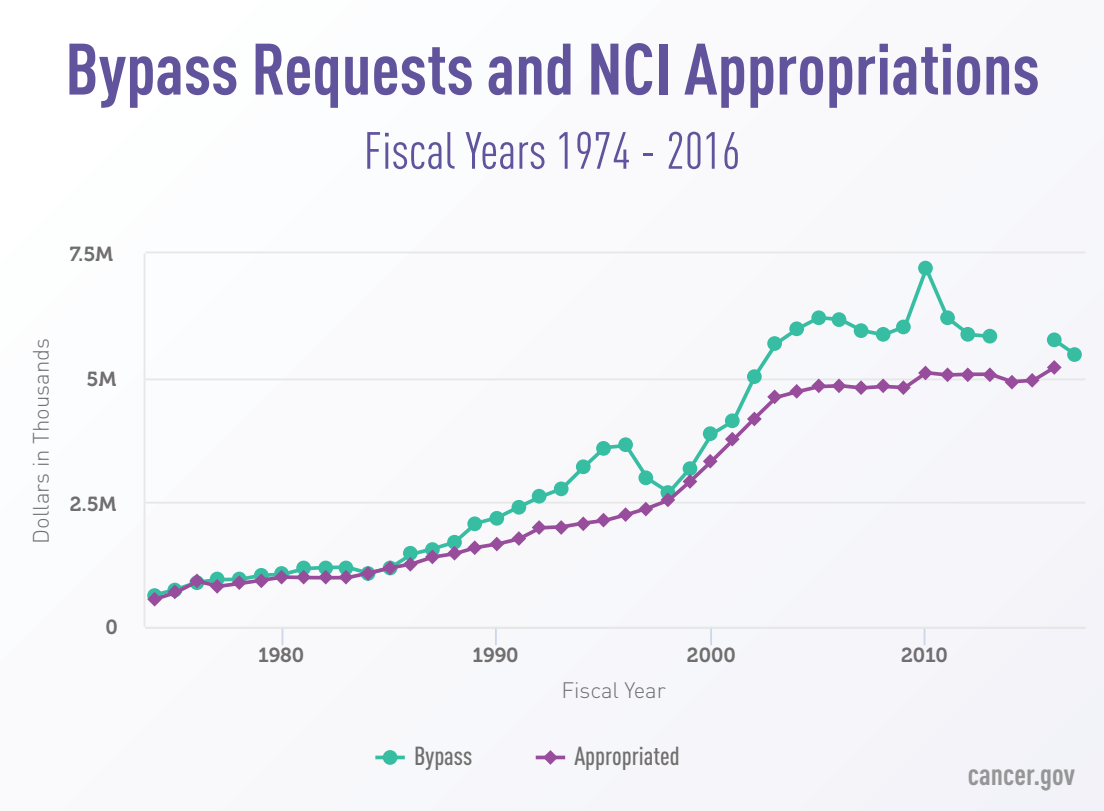
Established in 1937, the National Cancer Institute (NCI) was among the first Institutes of the National Institutes of Health (NIH). From the outset, NCI served as a scientific cornerstone of the NIH. The following links provide information about the history of NCI appropriations and the Professional 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 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.



The following institutions received more than $15 million in support (grants, contracts, or both) from NCI during FY 2016.

APPROPRIATIONS OF THE NCI, 1938-2016

(Whole Dollars)

1938 - 2016	**$122,338,028,220**	
2016	5,214,701,000	Prior to -$7,217,390 HHS Secretary's transfer, -$1,192,000 transfer to NIH Office of AIDS Research, and $122,000 lapse. Includes $266,422,000 of AIDS funding.
2015	4,950,396,000	Prior to -$435,000 lapse. Prior to transfer from NIH Office of AIDS Research of $2,632,000.
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.
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.

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Fiscal Years	Amount	Notes
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.*

The table below shows Budget Request's during the past 10 years. To view previous Budget Requests, dating back to 1974, please download the data.

PROFESSIONAL JUDGMENT (BYPASS) BUDGET REQUESTS

Fiscal Years 1974-2017

(Whole Dollars)

Fiscal Year	Request
2017	$5,453,000,000
2016	5,754,000,000
2015	*
2014	*
2013	5,833,010,000
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

Funding amounts and percentages reflect actual obligations for each fiscal year.

NCI Funding

FUNDING, FY 2012-2016

(Dollars in Millions)

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

Total NCI	**$5,067.3**	**$4,789.0**	**$4,932.4**	**$4,952.6**	**$5,206.2**
Research Project Grants	2,150.6	2,000.2	2,012.6	2,092.6	2,146.1
Cancer Centers	279.9	262.2	281.8	288.7	335.0
SPOREs	113.5	104.3	104.6	102.7	108.2
Other P50s/ P20s	33.4	21.5	18.2	5.8	2.8
Specialized Centers	186.0	146.0	139.2	112.3	99.3
Clinical Cooperative Groups	229.8	235.4	271.6	250.8	221.0
R&D Contracts	589.7	616.0	652.3	597.0	732.3
Intramural Research	857.8	811.6	845.1	843.2	894.5
Other Mechanisms*	626.5	591.8	607.0	659.6	666.9

Percent Change by Mechanism

PERCENT CHANGE BY MECHANISM, FY 2011-2016

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

Total NCI	**0.2%**	**-5.5%**	**3.0%**	**0.4%**	**5.1%**
Research Project Grants	-0.6%	-7.0%	0.6%	4.0%	2.6%
Cancer Centers	0.6%	-6.3%	7.5%	2.4%	16.0%
SPOREs	-6.9%	-8.1%	0.3%	-1.8%	5.4%
Other P50s/ P20s	-4.9%	-35.8%	-15.2%	-68.1%	-51.5%
Specialized Centers	14.4%	-21.5%	-4.6%	-19.3%	-11.6%
Clinical Cooperative Groups	-5.8%	2.4%	15.4%	-7.7%	-11.9%
R&D Contracts	0.5%	4.5%	5.9%	-8.5%	22.7%
Intramural Research	2.9%	-5.4%	4.1%	-0.2%	6.1%
Other Mechanisms*	-0.8%	-5.5%	2.6%	8.7%	1.1%

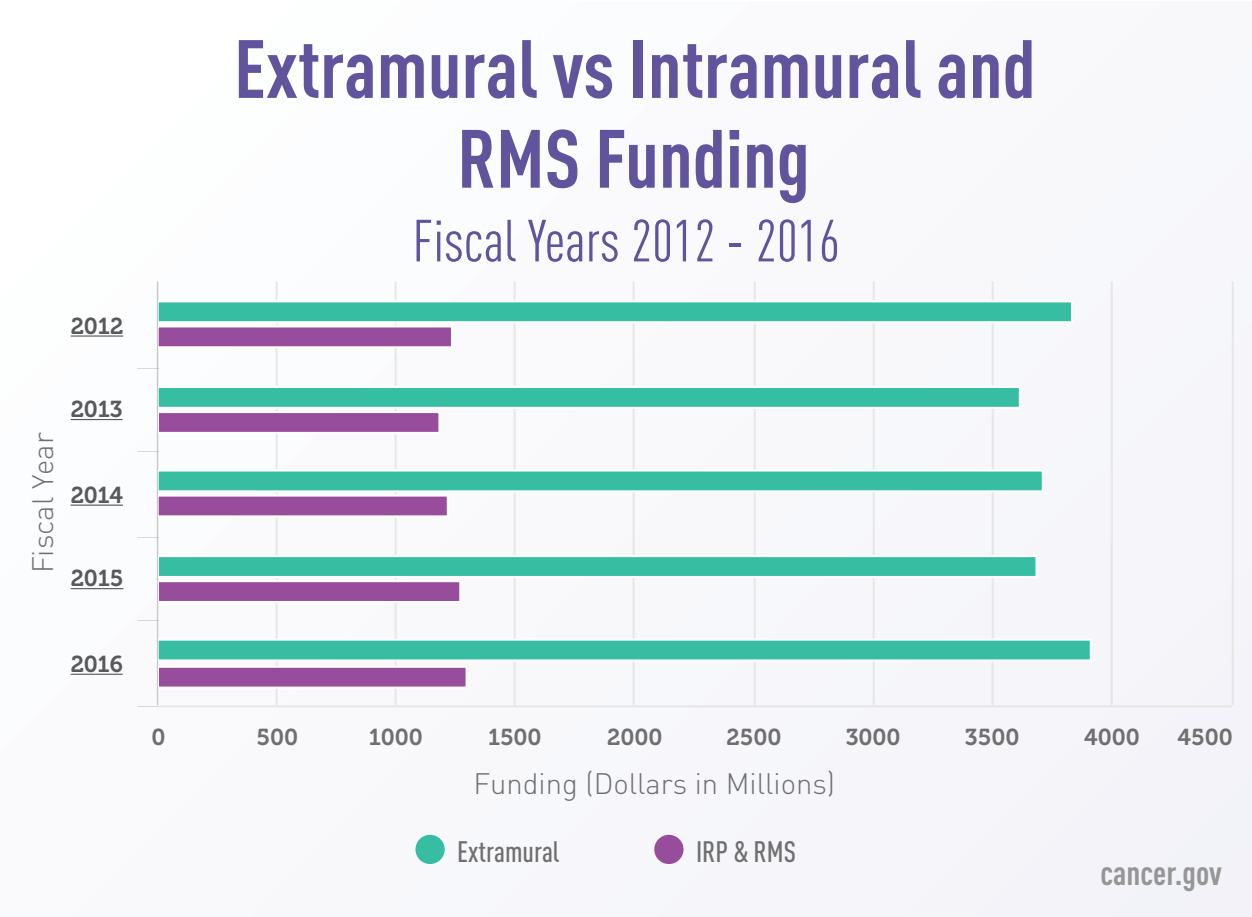
Percent Share of Total NCI Dollars

MECHANISM SHARE OF NCI BUDGET, FY 2012-2016

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

Research Project Grants	42.4%	41.8%	40.8%	42.3%	41.2%
Cancer Centers	5.5%	5.5%	5.7%	5.8%	6.4%
SPOREs	2.2%	2.2%	2.1%	2.1%	2.1%
Other P50s/ P20s	0.7%	0.4%	0.4%	0.1%	0.1%
Specialized Centers	3.7%	3.0%	2.8%	2.3%	1.9%
Clinical Cooperative Groups	4.5%	4.9%	5.5%	5.1%	4.2%
R&D Contracts	11.6%	12.9%	13.2%	12.1%	14.1%
Intramural Research	16.9%	16.9%	17.1%	17.0%	17.2%
Other Mechanisms*	12.4%	12.4%	12.3%	13.3%	12.8%

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



FY 2012-2016 EXTRAMURAL, INTRAMURAL AND RMS FUNDING

(Dollars in Millions)

Extramural	Research Project Grants	$2,150.6	$2,000.2	$2,012.6	$2,092.6	$2,146.1	-.2%
	Cancer Centers	279.9	262.2	281.8	288.6	335.0	19.7%
	SPOREs	113.5	104.3	104.6	102.7	108.2	-4.6%
	Other P50s/ P20s	33.4	22.2	18.2	5.8	2.8	-91.6%

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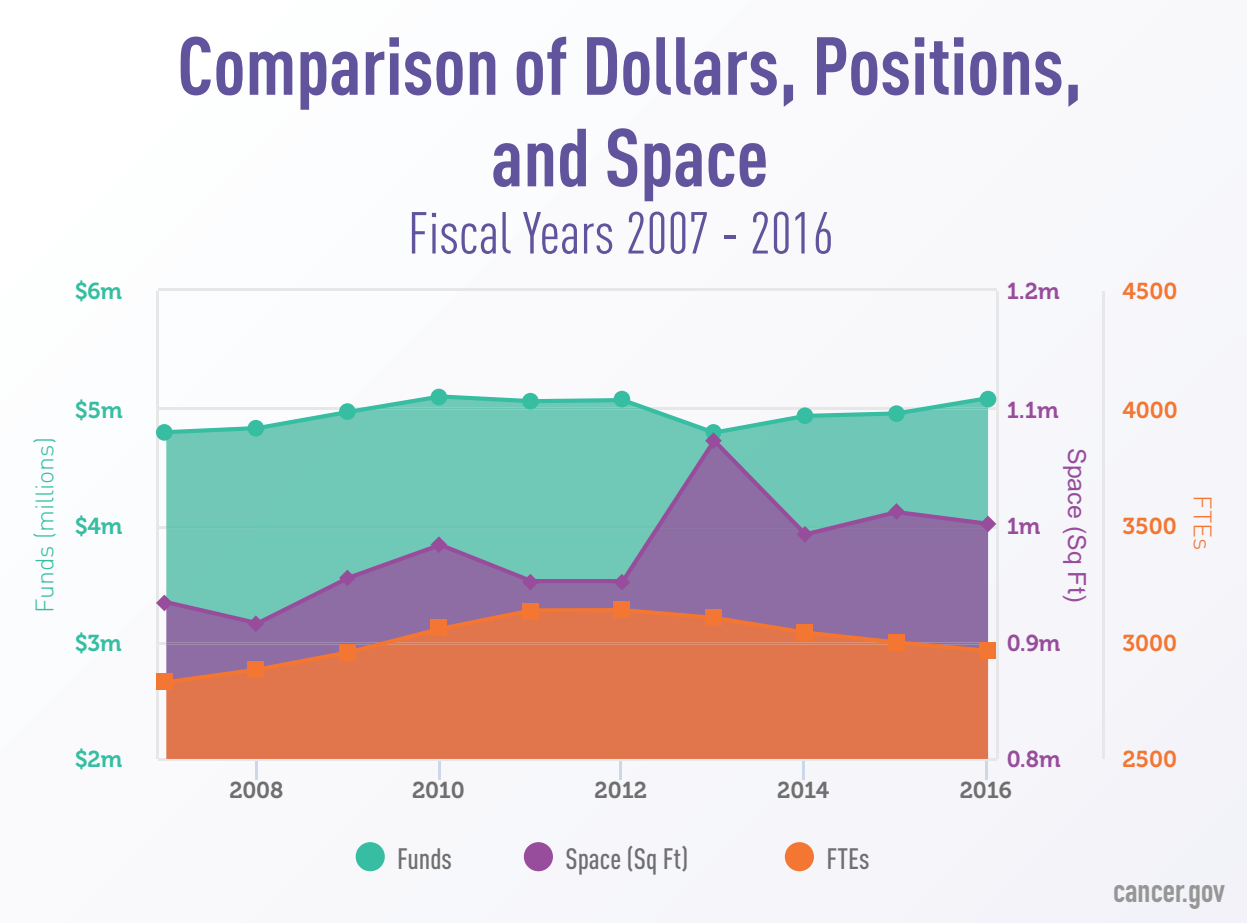
Funding	Mechanism	2012	2013	2014	2015	2016	2012-2016 % Change
	Other Specialized Centers	186.0	145.3	139.2	112.3	99.3	-46.6%
	Other Research Grants	407.5	387.5	430.0	410.1	399.1	-2.1%
	NRSA	66.0	65.8	69.2	69.8	73.0	10.6%
	R&D Contract	589.7	616.0	652.3	597.0	732.3	24.2%
	Buildings & Facilities	7.9	7.9	8.0	8.0	16.0	102.0%
	Total Extramural Funds	**3,834.6**	**3,611.4**	**3,715.9**	**3,687.0**	**3,911.9**	**2.0%**
Intramural & RMS	Intramural Research	857.8	811.6	845.0	843.2	894.5	4.3%
	RMS	374.9	366.1	371.4	422.5	399.8	6.6%
	Total IRP & RMS Funds	**1,232.8**	**1,177.6**	**1,216.5**	**1,265.6**	**1,294.3**	**5.0%**
Total NCI		**$5,067.3**	**$4,789.0**	**$4,932.4**	**$4,952.6**	**$5,206.2**	**2.7%**

Comparison of Dollars, Positions, and Space

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

The increase in space (Sq Ft) 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, and continued to lease a portion of them while completing 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 2007-2016

(Dollars in Millions)

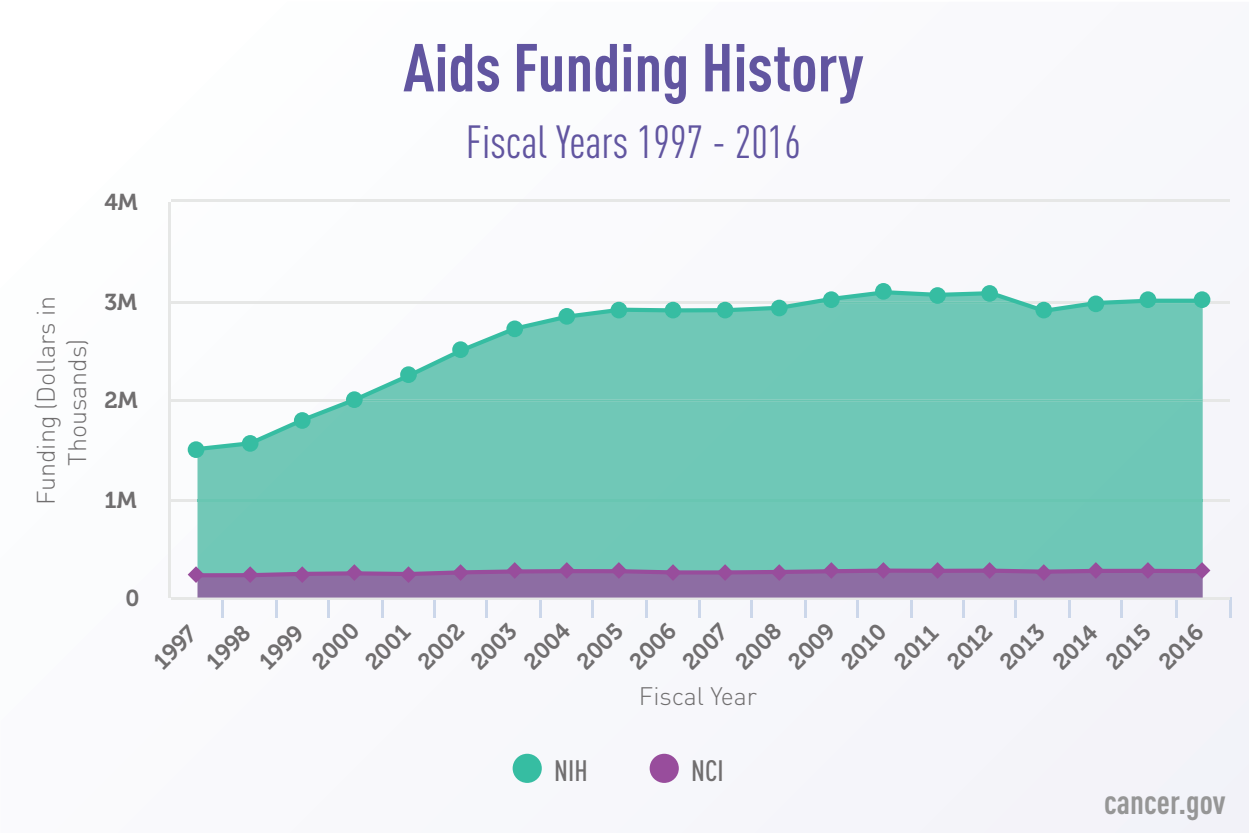
Numbers represent bodies not FTEs

2007	2,421	498	1,111	4,030
2008	2,075	920	1,016	4,011
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
2015	2,119	897	884	3,900
2016	2,050	1,001	842	3,893

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.



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