NATIONAL CANCER INSTITUTE

Budget Fact Book

for Fiscal Year 2017

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 2017 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 2017 HIGHLIGHTS

Funds available to the NCI totaled $5.69 billion, post inter-departmental and intra-NIH transfers. This reflects an increase of 8.7% and $454 million from the previous fiscal year.

- The 21st Century Cures Act, which was signed into law in December 2016, authorized $1.8 billion to fund the Cancer Moonshot over a 7-year period. The Cancer Moonshot funding received during Fiscal Year 2017 totaled $300 million.
- Of the total NCI budget obligated, 40.4% of the funds were allocated for Research Project Grants (RPGs).
- The total number of RPGs funded was 4,663 (including grants funded through the Small Business Innovation Research (SBIR) & Small Business Technology Transfer (STTR) programs).
- Over one-fourth of the RPGs awarded were new ("Type 1") or competing renewal ("Type 2") awards.
- 1,139 competing RPGs were funded.
- Almost one-third of the total NCI budget supported ongoing, non-competing ("Type 5") RPGs.
- R01 grants were funded to the 10th and 12th percentile.
- 238 grants – totaling $125.6 million – were funded as SBIR & STTR awards.
- Intramural Research comprised 16% of the total NCI budget.

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

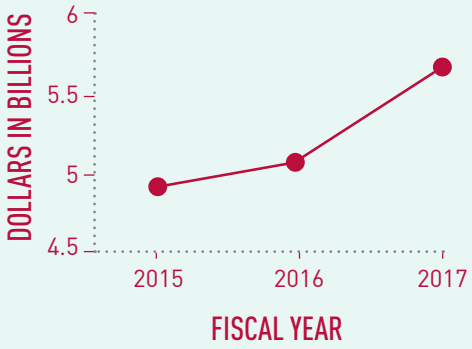
Where to Find Information from Previous Fact Books

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 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).

NATIONAL CANCER INSTITUTE

Budget At A Glance: Fiscal Year 2017

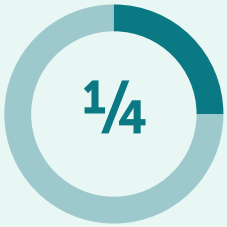


NCI BUDGET INCREASED BY **$454 MILLION** (8.7%) FROM FISCAL YEAR 2016

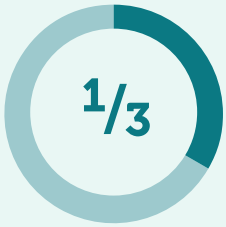
40.4% OF THE TOTAL NCI BUDGET ALLOCATED FOR RESEARCH PROJECT GRANTS

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 **10TH & 12TH** 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

1,139 NCI-FUNDED COMPETING RPGs

TOTALING OVER $125.6 MILLION FUNDED AS SMALL BUSINESS INNOVATION RESEARCH (SBIR) AND SMALL BUSINESS TECHNOLOGY TRANSFER (STTR) AWARDS.

4,663 TOTAL NCI-FUNDED RPGs (INCLUDING SBIR & STTR)

cancer.gov

Source: 2017 NCI Budget Fact Book

NCI Budget Summary Data

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

Most Recent Reported Fiscal Year Budget

In FY 2017, Congress passed an Omnibus that appropriated $5.389 billion for NCI. NCI was also appropriated $300 million in FY 2017 as a result of the 21st Century Cures Act. After permissive transfers, $5.636 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 2017 BUDGET

(Whole Dollars)

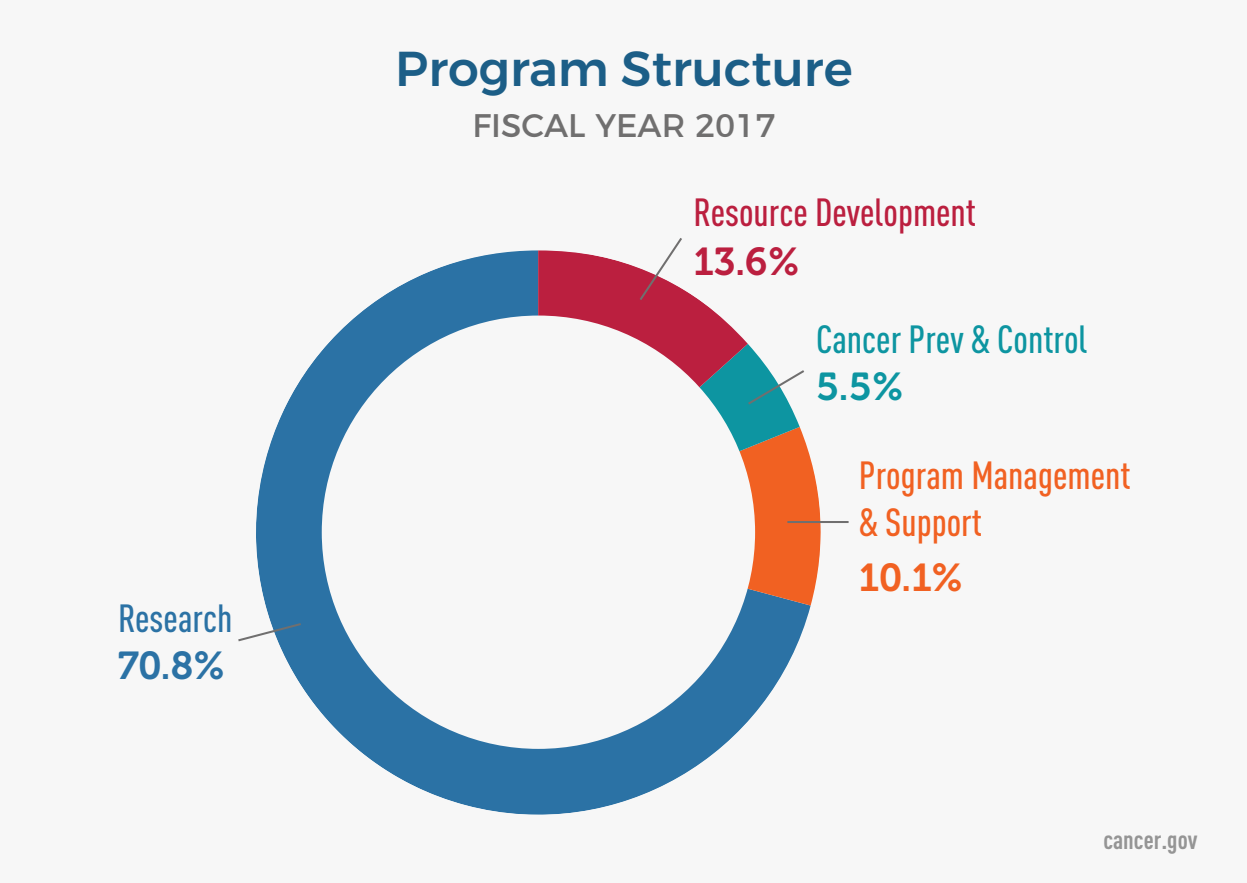
Actual Obligations Resulting From Appropriated Funds	FY 2017 Amount
FY 2017 Appropriation	$5,389,329,000
FY 2017 Cancer Moonsot Appropriation	$300,000,000
Transfer under the HHS Secretary's transfer authority	-11,971,000
Transfer from NIH Office of AIDS Research	-17,403,000
Lapse	-247,158
Cancer Moonshot Carryover	-$23,315,164
Actual Obligations Subtotal	**$5,636,392,678**
Reimbursable Obligations	**$23,084,542**
Total FY 2017 NCI Obligations	**$5,659,477,220**

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



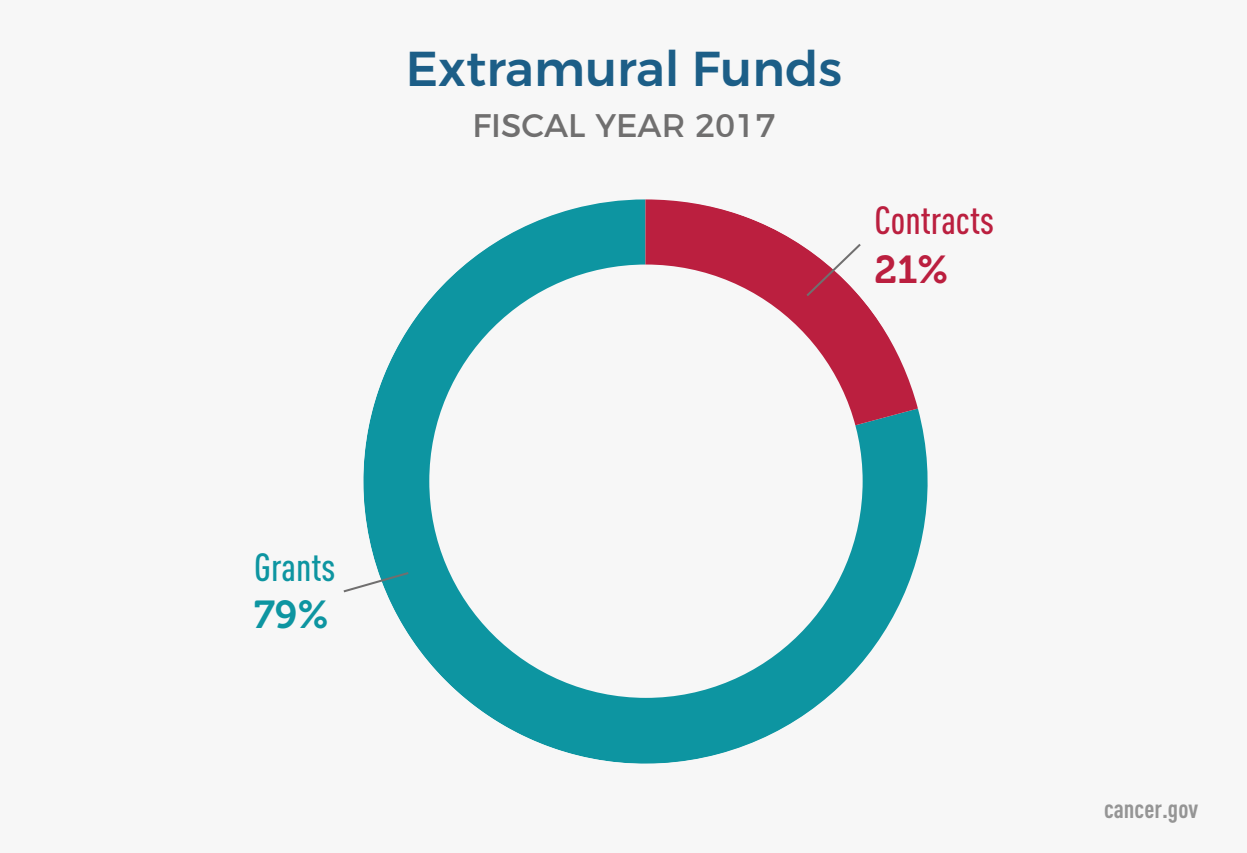
**Includes Cancer Moonshot Funding*

Extramural Funding

Overall, NCI obligations for its extramural program, which includes grants and contracts, totaled $4.31 billion in FY 2017.

- Obligations for grants totaled approximately 78.9% of extramural funding
- Obligations for contracts totaled approximately 21.1% of extramural funding
- Overall, extramural obligations amounted to approximately 76.5% of the NCI budget in FY 2017

Obligations on this page include Cancer Moonshot funding.



GRANT FUNDING, FISCAL YEAR 2017

(Whole Dollars)

Type	Amount	Percent
Research Project Grants (RPGs)	2,278,416,397	52.9%
Cancer Centers/Specialized Centers/SPORES	561,360,117	13.0%
NRSA	77,623,618	1.8%
Other Research Grants	481,882,795	11.2%
Grants Subtotal	**$3,399,282,927**	**78.9%**
Total Extramural Funds	**$4,309,660,527**	**100%**
Intramural/RMS Funds	*1,326,732,151*	
Total NCI	**$5,636,392,678**	

CONTRACTS FUNDING, FISCAL YEAR 2017

(Whole Dollars)

Type	Amount	Percent
Research & Development (R&D) Contracts	$880,377,600	20.4%
Buildings and Facilities	30,000,000	0.7%
Buildings and Facilities	0	0.0%
Contracts Subtotal	**$910,377,600**	**21.1%**

TOTAL FUNDING, FISCAL YEAR 2017

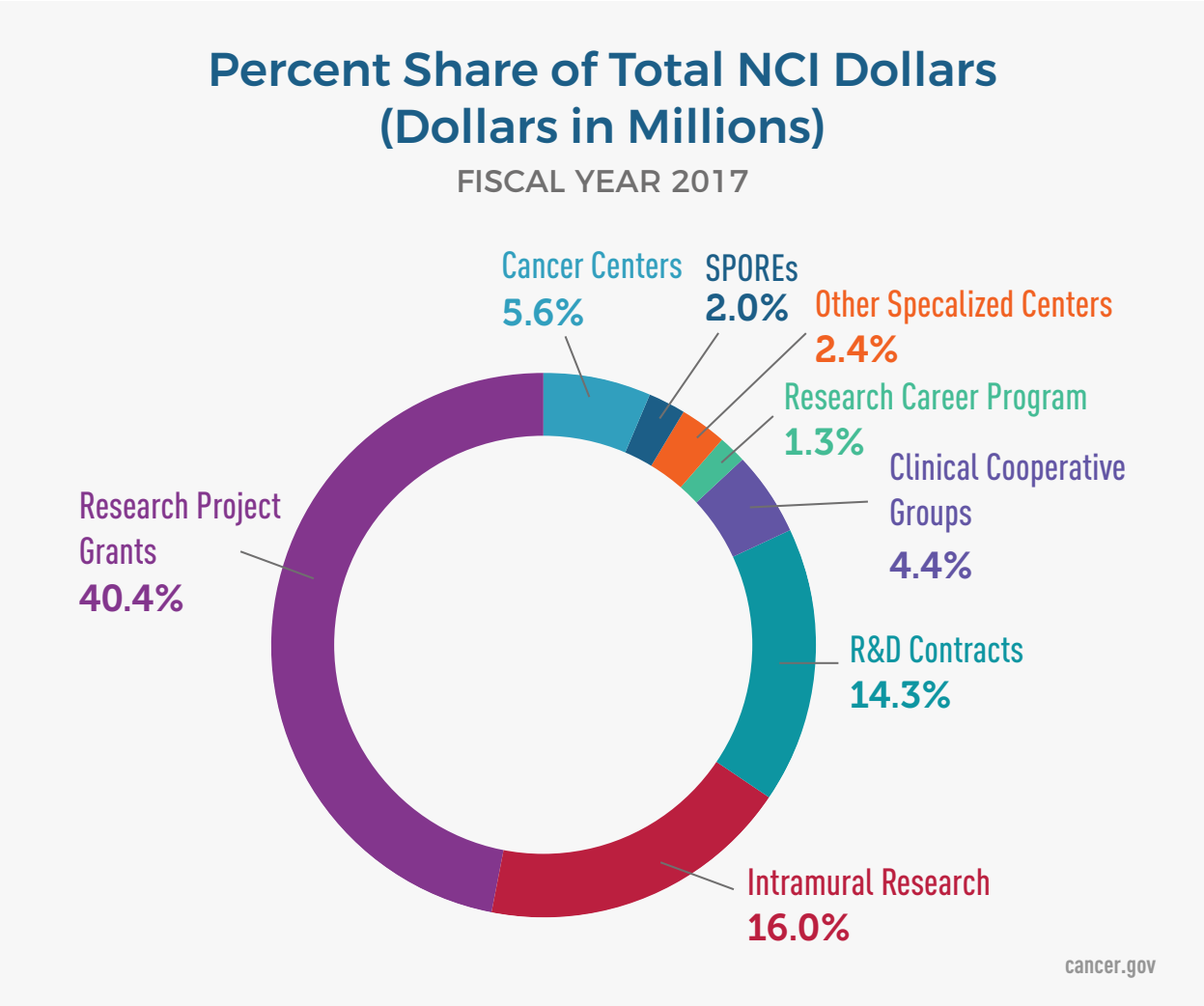
(Whole Dollars)

Type	Amount
Extramural Funds	$4,309,660,527
Intramural/RMS Funds	$1,326,732,151
Total NCI	**$5,636,392,678**

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



Other Mechanisms includes: Cancer Education, Minority Biomedical Research Support, Other Grants, National Research Service Awards (NRSA), Research Management & Support, and Buildings & Facilities.

FY 2017 funds include Cancer Moonshot funding.
All items in italics are non add entries.

NCI OBLIGATIONS

NCI Obligations by Mechanism, FY 2017

(Whole Dollars)

Type of Mechanism	Mechanism	Number	Amount	% of Total Amount
Research Project Grants (RPGs)	Non-Competing	3,286	$1,584,086,456	28.1%
	Administrative Supplements	*243*	33,172,642	0.6%
	Competing	1,139	535,521,305	9.5%
	Subtotal, without SBIR/STTR Grants	**4,425**	**$2,152,780,403**	**38.2%**
	SBIR/STTR Grants	238	125,635,994	2.2%
	Subtotal, RPGs	**4,663**	**$2,278,416,397**	**40.4%**
Centers & SPOREs	Cancer Centers Grants-P20/P30	102	313,010,590	5.6%
	SPOREs-P50	51	111,435,656	2.0%
	Other P50s/P20s	1	1,335,897	0.0%
	Other Specialized Centers	89	135,577,974	2.4%
	Subtotal, Centers	**243**	**$561,360,117**	**10.0%**
Other Research	Career Program			
	Post-Doc-Fellow Awards-K00	5	371,854	0.0%

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Type of Mechanism	Mechanism	Number	Amount	% of Total Amount
	Temin & Minority Mentored Awards-K01/K43	37	4,978,336	0.1%
	Temin & Minority Mentored Awards-K02			0.0%
	Estab. Inv. Award-K-05	7	619,979	0.0%
	Preventive Oncology-K07	67	10,422,726	0.2%
	Clinical Investigator-K08	89	14,763,262	0.3%
Other Research	Physician Investigator-K11			0.0%
	Clinical Oncology-K12	18	13,469,603	0.2%
	Stem Cell Research-K18			0.0%
	Transitional Career Development-K22	61	10,857,156	0.2%
	Mentored Patient Oriented RCDA-K23	19	3,102,974	0.1%
	Mid-Career Invest. & Patient Orient. Res-K24	15	2,554,321	0.1%

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Type of Mechanism	Mechanism	Number	Amount	% of Total Amount
	Mentored Quant. Res Career-K25	7	1,044,759	0.0%
	Inst. Curr. Award-K30			0.0%
	Pathway to Independence Awards K99	73	9,541,966	0.2%
	Subtotal, Career Program	**398**	**$71,726,936**	**1.3%**
Other Research	Cancer Education Program-R25 (including BD2K)	83	23,629,291	0.4%
	Clinical Cooperative Groups-U10/UG1	103	245,294,514	4.4%
	Biomedical Research Support-S07/S10			0.0%
	Minority Biomedical Support-S06	0	337,225	0.0%
	Rsch Enhance-SC1 & Pilot Research - SC2	1	157,000	0.0%
	Continuing Education			0.0%
	Resource Grants-R24/U24	78	139,021,272	2.5%

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Type of Mechanism	Mechanism	Number	Amount	% of Total Amount
Other Research	Explor Coop Agreement-U56			0.0%
	Int'l Rsrch Training Grants Conference-D43/U2R	0	1,049,870	0.0%
	Conference Grants-R13	53	666,687	0.0%
	Subtotal, Career and Other Research Grants	**716**	**$481,882,795**	**8.5%**
Subtotal, Research Grants		**5,622**	**$3,321,659,309**	**58.9%**
National Research Service Award (NRSA) Fellowships	Trainees	1,520	77,623,618	1.4%
R&D Contracts	R&D Contracts	429	805,450,596	14.3%
	SBIR Contracts	*41*	31,026,225	0.6%
	NIH Management Fund/SSF Assessment		43,900,779	0.8%
	Subtotal, Contracts	**429**	**$880,377,600**	**15.6%**
Intramural Research	Program	1,755	702,955,318	12.5%
	NIH Management Fund/SSF Assessment		196,740,191	3.7%

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Type of Mechanism	Mechanism	Number	Amount	% of Total Amount
Intramural Research	**Subtotal, Intramural Research** *(FTEs)*	**1,755**	**$899,695,509**	**16.0%**
Research Management & Support (RMS)	Research Management and Support (RMS)		323,892,632	5.7%
	SBIR RMS		2,232,000	0.0%
	NIH Management Fund/SSF Assessment		100,912,010	1.8%
	Subtotal, RMS *(FTEs)*	**1,274**	**$427,036,642**	**7.6%**
Buildings & Facilities			30,000,000	0.5%
Total NCI	***(FTEs)***	**3,029**	**$5,636,392,678**	**100.0%**

Division Obligations by Mechanism

DIVISION OBLIGATIONS

Total Division Obligations, FY 2017

(Whole Dollars)

Division	Total
Center for Cancer Research (CCR)	$424,099,096
Division of Cancer Epidemiology and Genetics (DCEG)	104,628,834
Division of Cancer Treatment and Diagnosis (DCTD)	569,510,804
Division of Cancer Biology (DCB)	72,265,951
Division of Cancer Control and Population Sciences (DCCPS)	118,366,670
Division of Cancer Prevention (DCP)	184,531,477
Division of Extramural Activities (DEA)	22,340,814
Office of the Director (OD)	1,446,067,987
Total Division	**$5,228,890,862**

CENTER FOR CANCER RESEARCH (CCR)

CCR Obligations

(Whole Dollars)

Type of Mechanism	Mechanism	Amount
Intramural Research	Program	$424,099,096
	NIH Management Fund	0
Total CCR		**$424,099,096**

DIVISION OF CANCER EPIDEMIOLOGY AND GENETICS (DCEG)

DCEG Obligations

(Whole Dollars)

Type of Mechanism	Mechanism	Amount
R&D Contracts	R&D Contracts	$33,257,170
	SBIR Contracts	0
Intramural Research	Program	71,371,664
	NIH Management Fund	0
Total DCEG		**$104,628,834**

DIVISION OF CANCER TREATMENT AND DIAGNOSIS (DCTD)

DCTD Obligations

(Whole Dollars)

Type of Mechanism	Mechanism	Amount
Centers & SPOREs	Cancer Centers Grants-P20/P30	$0
	SPOREs-P50	111,050,523
	Other P50s/P20s	1,048,974
	U54s	24,891,614
	Subtotal, Centers	**$136,991,111**
Other Research–Grants	Cancer Education Program-R25	675,470
	Clinical Cooperative Groups-U10/UG1	140,103,381

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Type of Mechanism	Mechanism	Amount
Other Research–Grants	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	**$140,778,851**
Subtotal, Research Grants		**$277,769,962**
R&D Contracts	R&D Contracts	242,049,894
	SBIR Contracts	0
	Subtotal, Contracts	**$242,049,894**
Research Management & Support (RMS)	RMS	49,690,948
	SBIR RMS	0
	NIH Management Fund	0
	Subtotal, RMS	**$49,690,948**
Total DCTD		**$569,510,804**

DIVISION OF CANCER BIOLOGY (DCB)

DCB Obligations

(Whole Dollars)

Type of Mechanism	Mechanism	Amount
Centers & SPOREs	Cancer Centers Grants-P20/P30	$0
	SPOREs-P50	0
	Other P50s/P20s	0
	U54s	44,886,633
	Subtotal, Centers	**$44,886,633**
Other Research-Grants	**Subtotal, Other Research–Grants**	**$44,886,633**
Contracts	R&D Contracts	0
	Subtotal, Contracts	**$15,444,564**
Research Management & Support (RMS)	RMS	11,934,754
	SBIR RMS	0
	NIH Management Fund	0
	Subtotal, RMS	**$11,934,754**
Total DCB		**$72,265,951**

DIVISION OF CANCER CONTROL AND POPULATION SCIENCES (DCCPS)

DCCPS Obligations

(Whole Dollars)

Type of Mechanism	Mechanism	Amount
Centers & SPOREs	Cancer Centers Grants-P20/P30	$0
	SPOREs-P50	0
	Other P50s/P20s	286,923
	U54s	4,726,449
	Subtotal, Centers	**$5,013,372**
R&D Contracts	R&D Contracts	79,537,193
	SBIR Contracts	0
	Subtotal, Contracts	**$79,537,193**
Research Management & Support (RMS)	RMS	33,816,105
	SBIR RMS	0
	NIH Management Fund	0
	Subtotal, RMS	**$33,816,105**
Total DCCPS		**$118,366,670**

DIVISION OF CANCER PREVENTION (DCP)

DCP Obligations

(Whole Dollars)

Type of Mechanism	Mechanism	Amount
Centers & SPOREs	Cancer Centers Grants-P20/P30	$0
	SPOREs-P50	0
	Other P50s/P20s	0
	U54s	2,440,472
	Subtotal, Centers	**$2,440,472**
Other Research-Grants	Cancer Education Program-R25	0
	Clinical Cooperative Groups-U10/UG1	103,251,611
	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	**$103,251,611**

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Type of Mechanism	Mechanism	Amount
Subtotal, Research Grants		**$105,692,083**
R&D Contracts	R&D Contracts	55,437,542
	SBIR Contracts	0
	Subtotal, Contracts	**$55,437,542**
Research Management & Support (RMS)	RMS	23,401,852
	SBIR RMS	0
	NIH Management Fund	0
	Subtotal, RMS	**$23,401,852**
Total DCP		**$184,531,477**

DIVISION OF EXTRAMURAL ACTIVITIES (DEA)

DEA Obligations

(Whole Dollars)

Type of Mechanism	Mechanism	Amount
Research Management & Support (RMS)	RMS	22,340,814
	SBIR RMS	0
	NIH Management Fund	0
	Subtotal, RMS	**$22,340,814**
Total DEA		**$22,340,814**

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	121,064,359
	Subtotal, RPGs	**$121,064,359**
Centers & SPOREs	Cancer Centers Grants-P20/ P30	313,010,590
	SPOREs-P50	385,133
	Other P50s/P20s	0
	U54s	58,632,806
	Subtotal, Centers	**$372,028,529**
Other Research–Career Program	Career Program	0
	Post-Doc-Fellow Awards-K00	371,854
	Temin & Minority Mentored Awards-K01	4,978,336
	Estab. Inv. Award-K05	619,979
	Preventive Oncology-K07	10,422,726
	Clinical Investigator-K08	14,763,262

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Type of Mechanism	Mechanism	Amount
Other Research–Career Program	Clinical Oncology-K12	13,469,603
	Stem Cell Research-K18	0
	Transitional Career Development-K22	10,857,156
	Mentored Patient Oriented RCDA-K23	3,102,974
	Mid-Career Invest. & Patient Orient. Res-K24	2,554,321
	Mentored Quant. Res Career-K25	1,044,759
	Pathway Award-K99	9,541,966
	Subtotal, Career Program	**$71,726,936**
Other Research–Grants	Cancer Education Program-R25	22,953,821
	Clinical Cooperative Groups-U10/UG1	1,939,522
	Minority Biomedical Support-S06	0
	Sci Eval-U09/T09 & Rsch Enhance-SC1	0
	Continuing Education	0
	Resource Grants-R24/U24	0
	Explor Coop Agreement-U56	0

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Type of Mechanism	Mechanism	Amount
Other Research–Grants	Global Infect. Disease Rsrch Training Prog - D43	0
	Conference Grants-R13/U13	0
	Subtotal, Other Research–Grants	**$24,893,343**
Subtotal, Research Grants		**$589,713,167**
NRSA Fellowships		77,623,618
R&D Contracts	R&D Contracts	325,280,260
	SBIR Contracts	31,026,225
	NIH Management Fund/ SSF Assessment/Program Evaluation	0
	Subtotal, Contracts	**$356,306,485**
Intramural Research	Program	207, 484, 558
	NIH Management Fund/ SSF Assessment/Program Evaluation	0
	Subtotal, Intramural Research	**$207,484,558**
Research Management & Support (RMS)	RMS	182,708,159
	SBIR RMS	2,232,000
	NIH Management Fund/ SSF Assessment/Program Evaluation	0

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Type of Mechanism	Mechanism	Amount
Research Management & Support (RMS)	**Subtotal, RMS**	**$184,940,159**
Buildings and Facilities		30,000,000
Total OD		**$1,446,067,987**

RESEARCH PROJECT GRANTS OBLIGATIONS

Research Project Grants Obligations

(Whole Dollars)

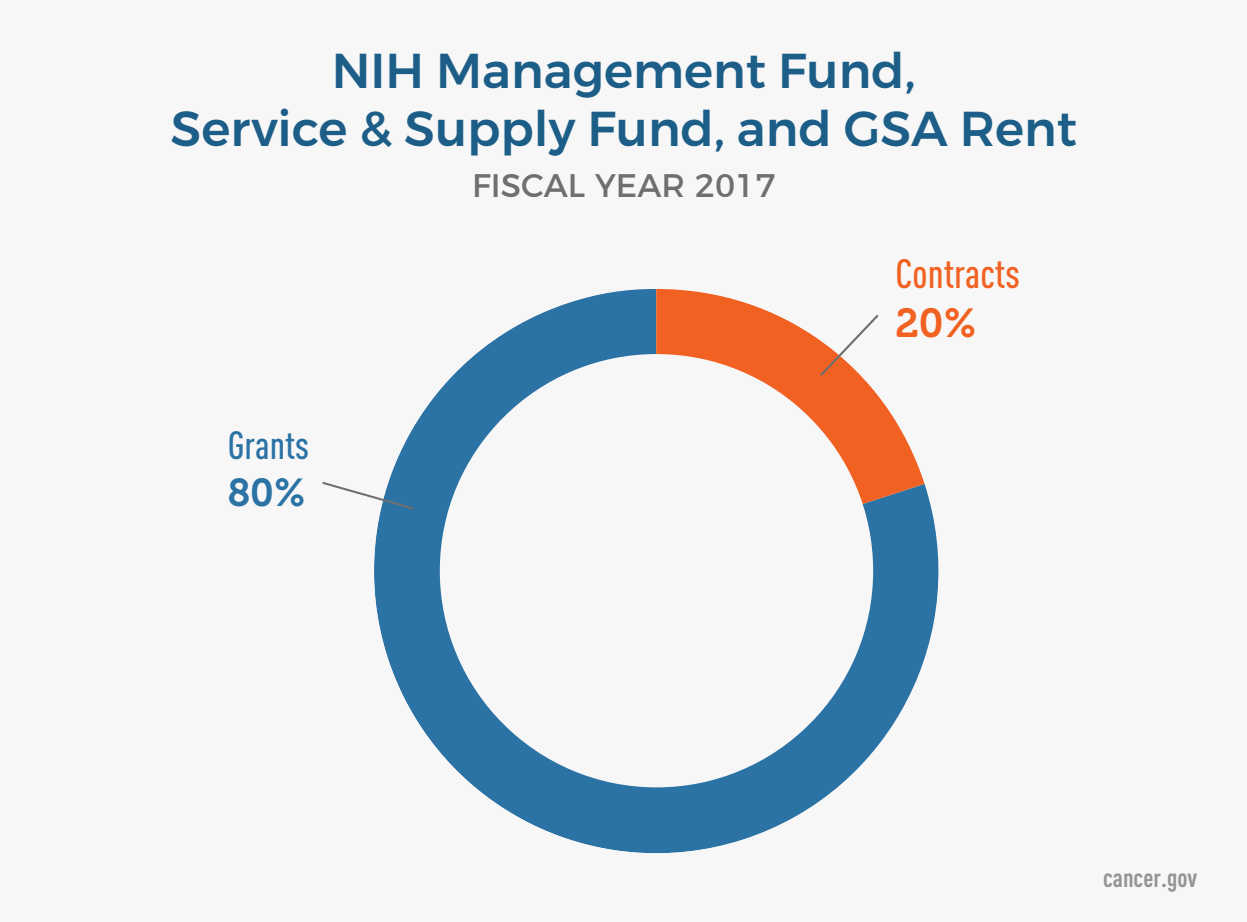
Type of Mechanism	Mechanism	Amount
Research Project Grants (RPGs)	Non-Competing	$1,500,854,657
	Administrative Supplements	33,172,642
	Competing	535,521,305
	Subtotal, without SBIR/ STTR Grants	**$2,069,548,604**
	SBIR/STTR Grants	125,635,994
Subtotal, RPGs		**$2,195,184,598**

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

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

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 2017

(Whole Dollars)

Distribution of NCI Payment	Amount	Share of NCI
CIO	$131,377,094	36.7%
Center for Scientific Review	25,543,789	6.6%
Center for Information Technology	6,720,693	1.9%
Service & Supply Fund Assessment (SSF)	183,132,073	51.2%
Other Research Services	12,948,704	3.6%
Other OD	0	0.0%
Total NCI Management Fund & SSF	**$357,722,353**	**100%**

MANAGEMENT FUND & SSF SUBTOTALS

(Whole Dollars)

Type	Amount	Percent
NCI	$357,722,353	19.8%
Other NIH Institutes	$1,444,405,600	80.2%
Total NIH Management Fund & SSF	**$1,802,127,953**	**100%**

Special Sources of Funds

Cooperative Research and Development Agreements (CRADAs)

As a result of 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. Under a CRADA, the NIH laboratory can provide personnel, services, facilities, equipment or other resources and the collaborator can provide funds, personnel, services, facilities, equipment or other material and/or technical resources. Importantly, the CRADA provides the non-Federal party the option to negotiate an exclusive license to the resultant CRADA Subject Invention(s). The CRADA is the primary legal mechanism the Federal government has to convey such rights in advance of an invention. The agreement has no mandatory length but often are written for 1 to 3 years, renewable at the mutual agreement of the parties.

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	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

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Fiscal Year	Carryover from Prior Year	Collections	Obligations
2016	28,276	23,411	17,259
2017	40,647	27,033	20,990

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 in accordance with the terms of the Federal Technology Transfer Act (PL 99-502). Receipts are also used to support costs associated with processing and collecting royalty income and for technology transfer efforts at NCI and NIH. Royalties may be spent in the year of receipt and for two additional fiscal years.

NCI ROYALTY INCOME FUNDING HISTORY

(Dollars in Thousands)

Years	Collections*	Inventor Payments	Other Obligations
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

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Years	Collections*	Inventor Payments	Other Obligations
2014/2016	112,668	33,487	79,181
2015/2017	122,037	30,605	91,432
**2016/2018	115,096	21,270	93,826
**2017/2019	112,611	7,980	104,631

*** Collections do not inclue assessments by NIH.**

** 2016/2018 and 2017/2019 Inventor Payments and Other Obligations are estimates.

Stamp Out Breast Cancer Act

The Stamp Out Breast Cancer Act (PL 105-41) was established in August 1997 and has since been 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 the opportunity to contribute funds 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 2017, NCI has received $59,422,225. NCI uses 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 Exceptional Opportunities 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 2017, $1,639,615 million in Stamp funds were obligated towards Breast Cancer research.

NCI BREAST CANCER STAMP FUNDING HISTORY

(Dollars in Thousands)

FY	Collected	Obligated	*Balance
1999	4,150	0	4,150
2000	3,101	3,499	3,753
2001	5,556	4,846	4,463
2002	3,595	1,129	6,929
2003	5,176	3,130	8,975
2004	4,814	3,472	10,317
2005	4,372	2,987	11,703
2006	4,468	6,896	9,274
2007	3,006	1,601	10,679
2008	4,856	2,122	13,413

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FY	Collected	Obligated	*Balance
2009	3,403	1,873	14,944
2010	2,345	2,590	14,698
2011	2,049	1,977	14,770
2012	1,623	1,654	14,738
2013	1,404	1,337	14,805
2014	1,160	1,477	14,488
2015	1,251	1,635	14,105
2016	1,707	1,654	14,158
2017	1,387	1,640	13,905

*** Balance includes carryover funds from the prior fiscal year not obligated.**

Funding for Research Areas

The National Cancer Institute reports how appropriated funds are spent based on different categories or classifications, including specific cancer sites, cancer types, diseases related to cancer, as well as types of NCI research mechanisms. The table below identifies funding levels for frequently requested areas of cancer research. The research areas in this table do not represent the entire NCI research portfolio. Moreover, funding for research areas often overlap, and therefore the total for all research areas does not add to the total NCI budget. For example, funding for a clinical trial on breast cancer would be included in both the Breast Cancer and the Clinical Trials lines in the table below. Similarly, a basic cancer research project may be relevant to cervical, uterine, and ovarian cancers, and relevant amounts would be included in the amounts for all three areas of cancer research.

FUNDING BY RESEARCH AREAS

(Dollars in Millions)

Disease Area	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016
Total NCI Budget	**$5,058.1**	**$5,067.3**	**$4,789.0**	**$4,932.4**	**$4,952.6**	**$5,206.2**
AIDS	270.0	271.7	261.6	269.2	269.7	266.4
Brain & CNS	172.6	177.5	176.8	180.4	202.1	196.3
Breast Cancer	625.1	602.9	559.2	528.5	543.7	519.9
Cervical Cancer	81.4	72.6	63.4	71.0	63.4	65.6
Clinical Trials	877.8	753.7	676.5	749.8	769.2	801.0
Colorectal Cancer	265.1	256.3	238.3	223.0	209.3	212.2
Head & Neck Cancers	61.8	71.1	57.6	57.1	60.5	58.9
Hodgkin Disease	13.4	15.6	14.5	15.4	13.6	12.8
Leukemia	227.0	234.7	234.9	236.7	246.9	241.0
Liver Cancer	66.2	64.6	64.0	60.0	70.3	75.7

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Disease Area	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016
Lung Cancer	296.8	315.1	285.9	254.1	256.2	283.8
Melanoma	115.6	121.2	122.5	126.2	132.8	142.9
Multiple Myeloma	54.9	61.3	45.4	46.6	48.9	52.1
Non-Hodgkin Lymphoma	126.4	119.5	113.7	118.0	122.4	116.7
Ovarian Cancer	110.8	111.7	100.6	91.5	92.8	95.6
Pancreatic Cancer	99.5	105.4	101.9	122.4	125.3	152.5
Prostate Cancer	288.3	265.1	255.6	217.8	228.9	241.0
Stomach Cancer	13.4	12.1	11.2	11.3	13.5	13.3
Uterine Cancer	15.9	19.1	17.8	15.5	13.0	16.8

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 2016 funds available to the NCI totaled $4.952.6 billion, reflecting a increase of 5 percent, or $262.1 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 Activities website.

NCI Extramural Programs

The NCI uses most of its budget to fund extramural grants and contracts. The following links provide information about Fiscal Year 2017 extramural funding by grant activity, institution, state, and country.

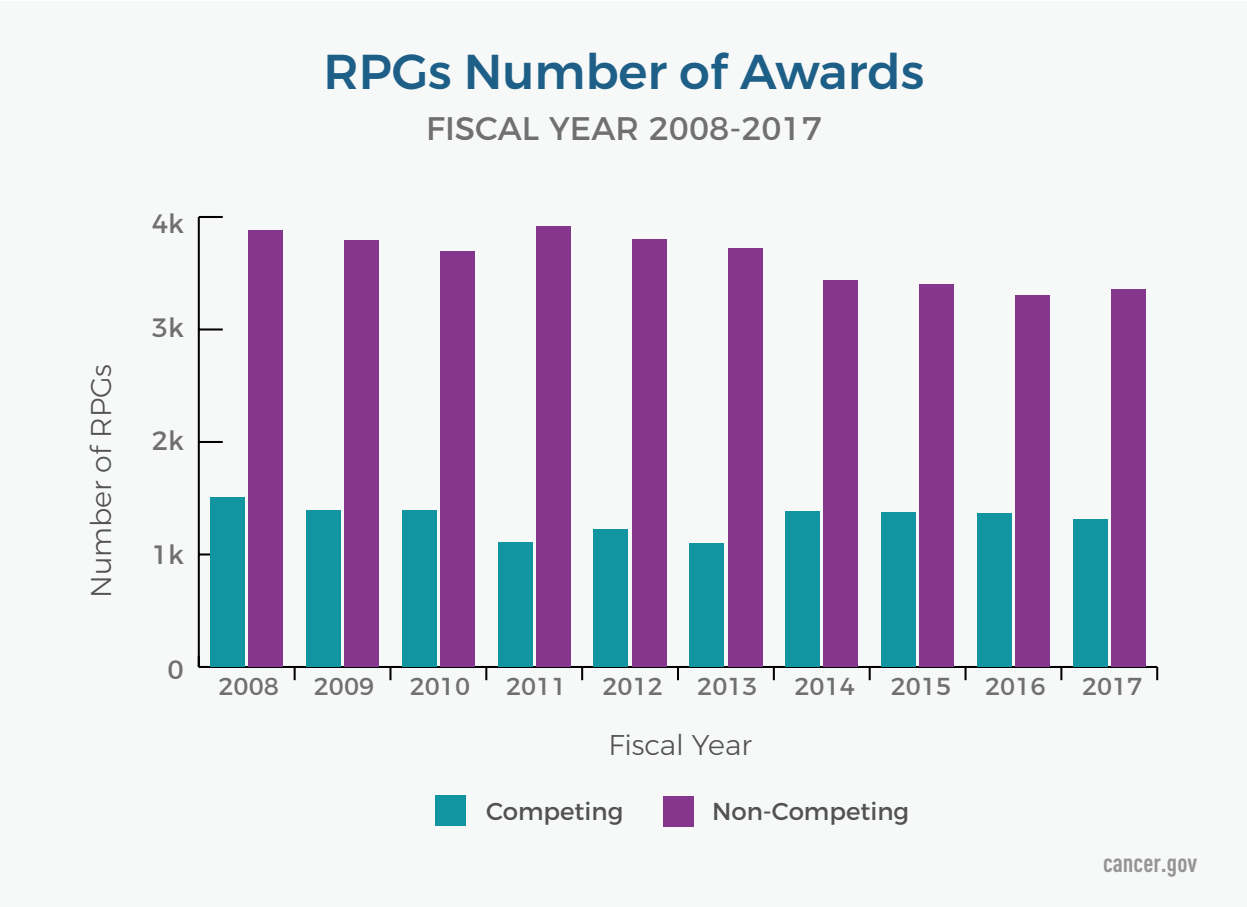
Research Project Grants (RPGs)

During fiscal year 2017,

- Over 67.8% of of competing dollars supported grants awarded within the established payline and RFAs and the remainder supported grants as an exception to the fundable range.
- RFA funds accounted for 16.9% of the FY 2017 competing dollars.
- A total of 1,139 competing RPGs were funded.

FY 2017 data on this page includes Cancer Moonshot Funding.

Number of RPG Awards



RPGs Summary, FY 2016-2017

RPG AWARDS FUNDED

(Dollars in Thousands)

RPG Awards Funded	2016 Number	2016 Amount	2017 Number	2017 Amount
Total Funding for RPGs	**4,666**	**$2,146,074**	**4,663**	**$2,278,416**
SBIR/STTR	202	$101,478	238	$125,636
Funding for RPGs without SBIR/STTR Program	4,464	$2,044,596	4,425	$2,152,780
Continuation or Noncompeting Grants Funded	3,234	$1,432,710	3,286	$1,500,855
Competing Grants Funded	1,230	$513,170	1,139	$535,521
Administrative Supplements	204	$21,511	243	$33,173
Partial Assessment for DHHS Program Evaluation		$77,204		$83,232

FUNDS SET ASIDE WITHIN COMPETING DOLLARS

(Dollars in Thousands)

Grant Category	R01 or Share	2016 Number or %	2016 Amount	2017 Number or %	2017 Amount
Grants within Paylines		873	$318,658	772	$300,349
	Traditional R01	495	$229,472	570	$265,943

(Continued from previous page)

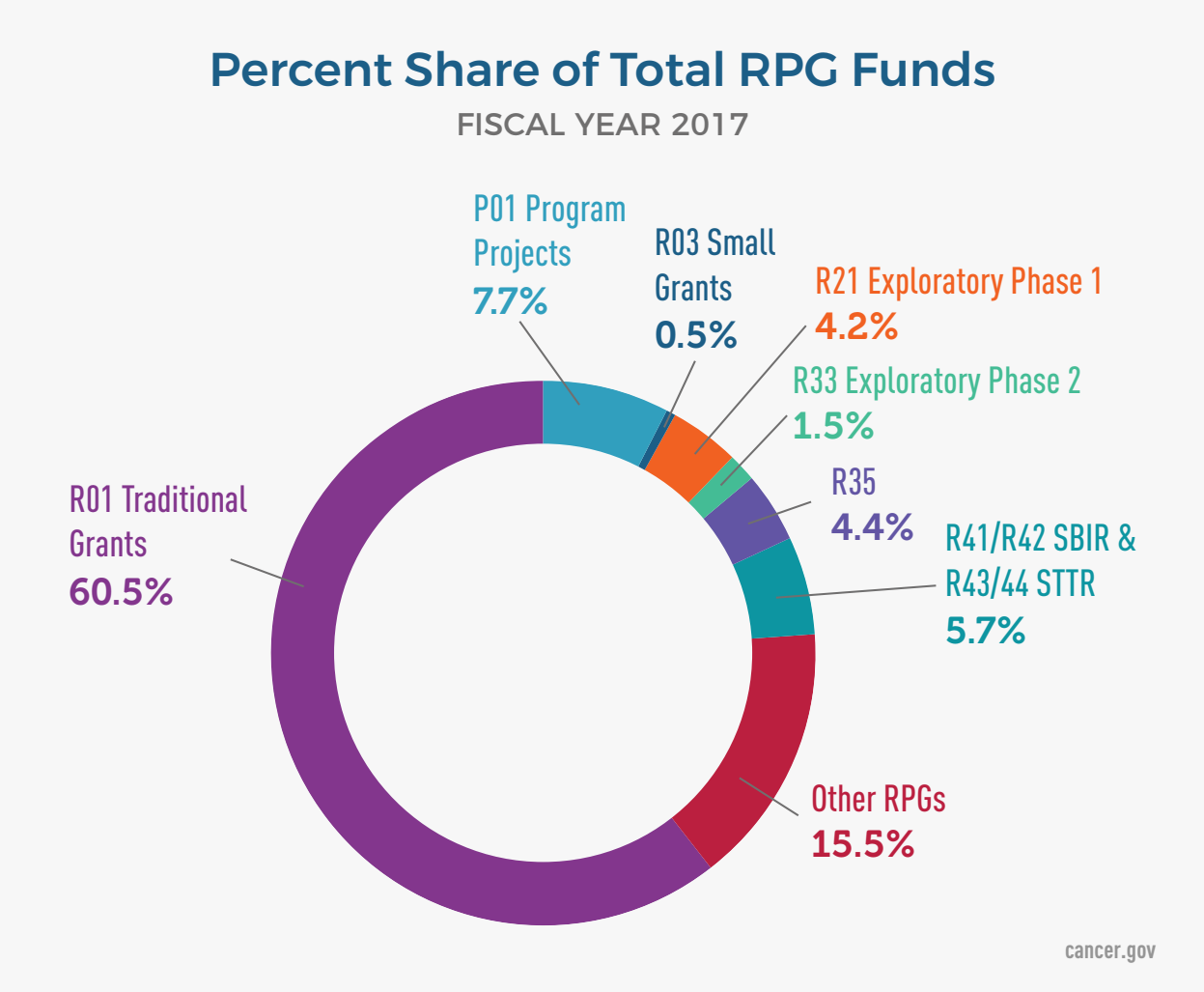
Grant Category	R01 or Share	2016 Number or %	2016 Amount	2017 Number or %	2017 Amount
RFA Grants		142	$69,914	145	$90,579
	Share of Competing Grant Funds	13.6%		16.9%	
Exception Grants		357	$194,512	367	$235,172
	Share of Competing Grant Funds	37.9%		43.9%	

COMPETING RPGS

Statistical Measure	2016	2017
Total Competing Application Requests*	**10,241**	**9,704**
Funding Success Rate	11.8%	12%
Percentile Funding for R01 Grants	10th & 12th	10th and 12th
Average Cost-Competing	$417	$470
Average Reduction from Recommended/ Requested Levels	-14%	-14%

***Excludes SBIR/STTR**

RPGs Funding Mechanisms



The "Other" category includes DP1, DP2, DP5, R00, R37, U01, U19,UH2, UH3, UG3, UA5, R50, UM1, R15, R55 and R56 activities.

GRANT FUNDING PAYLINES

RPG Mechanism	2016	2017	Description
R01 Traditional Grants	10th & 12th	10th & 12th	Percentile
P01 Program Projects*	17% Reduction	17% Reduction	*SPL Selected
R03 Small Grants	25	25	Impact Score
R21 Exploratory Phase I	7th	7th	Percentile
R33 Exploratory Phase II*	N/A	N/A	*SPL Selected
R41/R42 STTR	25	21	Impact Score
R43/R44 SBIR	25	25	Impact Score

***SPL = Scientific Program Leaders (NCI)**

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)

Fiscal Year	Type	Number Requested	Amount Requested	Number Awarded	Amount Awarded	Success Rate
2016	Competing New	10,947	$4,261,178	1,204	$466,567	**11.8%**
	Competing Renewal	601	$377,550	152	95,767	
	Competing Supplement	27	14,839	9	6,928	
	Competing Subtotal	**11,575**	**4,653,567**	**1,365**	**569,262**	
	Non-Competing			3,301	1,576,813	
	FY 2016 RPG Total			**4,666**	**$2,146,075**	
2017	Competing New	10,354	$4,504,710	1,172	$514,490	**12.0%**
	Competing Renewal	518	364,485	136	96,512	
	Competing Supplement	21	7,444	3	1,131	

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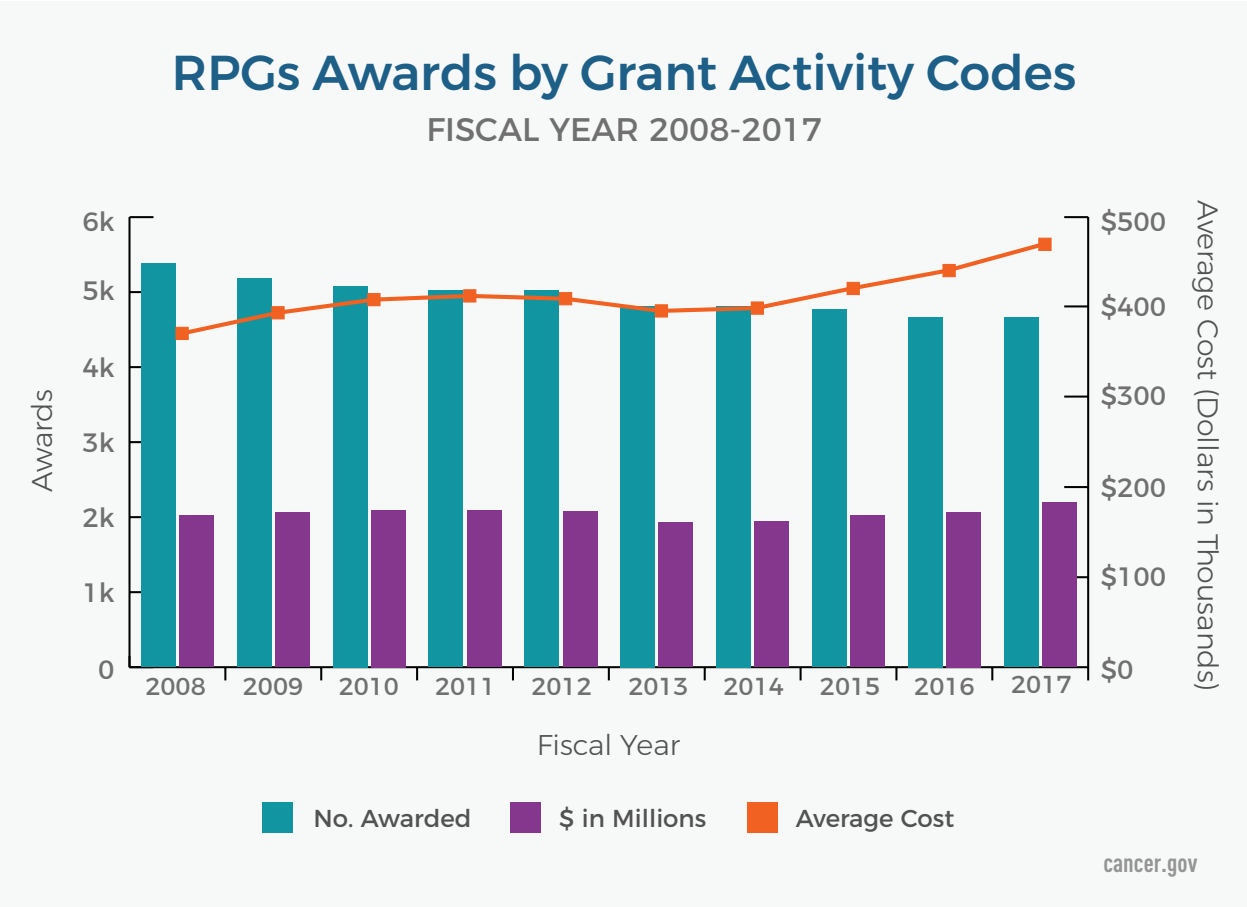
Fiscal Year	Type	Number Requested	Amount Requested	Number Awarded	Amount Awarded	Success Rate
2017	**Competing Subtotal**	**10,893**	**4,876,638**	**1,311**	**612,133**	**12.0%**
	Non-Competing			3,352	1,666,283	
	FY 2017 RPG Total			**4,663**	**$2,278,416**	

Includes Small Business Innovation Research and Small Business Technology Transfer (SBIR/STTR) Awards.

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

RPG Awards by Grant Activity Codes

This table displays awarded research project grants (RPG) data by grant activity code and count. Please visit NIH Activity Codes for more information on the descriptions.



RPG AWARDS BY GRANT CODES, FY 2016-2017

(Dollars in Thousands)

Grant Code	2016 Number	2016 Amount	2017 Number	2017 Amount
R01	3,011	$1,258,134	3,074	$1,328,242
DP1	2	3,021	3	3,620
DP2	0	220	0	174
DP5		7th	7th	Percentile

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Grant Code	2016 Number	2016 Amount	2017 Number	2017 Amount
P01	94	173,358	90	169,753
R00	93	22,620	109	26,551
R37	6	2,649	2	955
U01	214	159,461	237	201,670
U19	2	3,202	3	6,577
UH2	18	4,942	19	4,953
R35	77	71,418	105	96,338
R50	34	5,674	49	8,430
UH3	6	5,825	6	5,723
UA5			0	0
UM1	43	85,670	23	65,150
UG3			8	3,268
R03	114	9,057	138	10,796
R21	674	132,485	472	91,406
R33	41	14,962	57	33,586
R15	22	9,315	20	8,559
R55			0	0
R56	2	560	3	917
RC2				
SBIR/STTR	202	101,478	238	125,636

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Grant Code	2016 Number	2016 Amount	2017 Number	2017 Amount
Total	**4,666**	**$2,068,869**	**4,663**	**2,195,184**

RPG Activity Codes with a "0" count displayed for No. are grants where NCI did not take the grant award count for the funding since NCI was not the Primary IC funding the award.

In 2011, NCI awarded 1 UA5, it is not displayed but is included in the 2011 totals.

FY 2017 data includes Cancer Moonshot Funding.

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.

Grant count and amounts include Cancer Moonshot funding.

NCI-DESIGNATED CANCER CENTER TOTALS, FY 2017

(Dollars in Thousands)

Mechanism	Count	Amount
Total P30s	69	$289,216
Planning Grants (P20s)	33	7,634
Other P20, P30 & U41*	0	16,160
Total Cancer Centers	**102**	**$313,010**

*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 as zero.

NCI-DESIGNATED CANCER CENTERS BY STATE (P30 CORE GRANTS), FY 2017

(Dollars in Thousands)

State	Grantee Institution	Code	Count	Amount
Alabama	University of Alabama at Birmingham	Comprehensive Core	1	$5,339
Arizona	University of Arizona	Comprehensive Core	1	3,533

(Continued from previous page)

State	Grantee Institution	Code	Count	Amount
California	Burnham Institute for Medical Research	Basic Core	1	3,887
	City of Hope/ Beckman Research Institute	Comprehensive Core	1	2,447
	Salk Institute for Biological Studies	Basic Core	1	3,093
	Stanford University	Clinical Core	1	3,338
	University of California Davis	Comprehensive Core	1	3,431
	University of California Irvine	Comprehensive Core	1	2,317
	University of California Los Angeles	Comprehensive Core	1	4,336
	University of California San Diego	Comprehensive Core	1	4,152
	University of California San Francisco	Comprehensive Core	1	6,825
	University of Southern California	Comprehensive Core	1	6,323
Colorado	University of Colorado Denver	Comprehensive Core	1	3,988

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State	Grantee Institution	Code	Count	Amount
Connecticut	Yale University	Comprehensive Core	1	3,110
District of Columbia	Georgetown University	Comprehensive Core	1	2,425
Florida	H. Lee Moffitt Cancer Center & Research Institute	Comprehensive Core	1	2,991
Georgia	Emory University	Clinical Core	1	2,686
Hawaii	University of Hawaii at Manoa	Comprehensive Core	1	2,156
Illinois	Northwestern University at Chicago	Comprehensive Core	1	4,923
	University of Chicago	Comprehensive Core	1	4,531
Indiana	Indiana Univ-Purdue Univ at Indianapolis	Clinical Core	1	2,849
	Purdue University West Lafayette	Basic Core	1	1,545
Iowa	University of Iowa	Comprehensive Core	1	2,694
Kansas	University of Kansas Medical Center	Clinical Core	1	2,601

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State	Grantee Institution	Code	Count	Amount
Kentucky	University of Kentucky	Clinical Core	1	2,421
Maine	Jackson Laboratory	Basic Core	1	2,100
Maryland	Johns Hopkins University	Comprehensive Core	1	7,179
	University of Maryland Baltimore	Clinical Core	1	2,266
Massachusetts	Dana-Farber Cancer Institute	Comprehensive Core	1	11,855
	Massachusetts Institute of Technology	Basic Core	1	3,573
Michigan	University of Michigan at Ann Arbor	Comprehensive Core	1	6,247
	Wayne State University	Comprehensive Core	1	2,606
Minnesota	Mayo Clinic in Rochester	Comprehensive Core	1	6,625
	University of Minnesota Twin Cities	Comprehensive Core	1	3,738
Missouri	Washington University	Comprehensive Core	1	4,550

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State	Grantee Institution	Code	Count	Amount
Nebraska	University of Nebraska Medical Center	Clinical Core	1	2,107
New Hampshire	Dartmouth College	Comprehensive Core	1	3,283
New Jersey	Rutgers Cancer Institute of New Jersey	Comprehensive Core	1	2,946
New Mexico	University of New Mexico	Clinical Core	1	2,548
New York	Albert Einstein College of Medicine Yeshiva University	Clinical Core	1	3,646
	Cold Spring Harbor Laboratory	Basic Core	1	4,395
	Columbia University Health Sciences	Comprehensive Core	1	4,052
	Ichan School of Medicine at Mount Sinai	Clinical Core	1	2,373
	Memorial Sloan-Kettering Institute for Cancer Res	Comprehensive Core	1	12,684

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State	Grantee Institution	Code	Count	Amount
New York	New York University School of Medicine	Clinical Core	1	2,821
	Roswell Park Cancer Institute Corp	Comprehensive Core	1	4,052
North Carolina	Duke University	Comprehensive Core	1	5,909
	University of North Carolina Chapel Hill	Comprehensive Core	1	7,504
	Wake Forest University Health Sciences	Comprehensive Core	1	2,325
Ohio	Case Western Reserve University	Comprehensive Core	1	5,301
	Ohio State University	Comprehensive Core	1	5,381
Oregon	Oregon Health and Science University	Comprehensive Core	1	2,485
Pennsylvania	Fox Chase Cancer Center	Comprehensive Core	1	2,764
	Thomas Jefferson University	Clinical Core	1	3,041
	University of Pennsylvania	Comprehensive Core	1	7,873

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State	Grantee Institution	Code	Count	Amount
Pennsylvania	University of Pittsburgh at Pittsburgh	Comprehensive Core	1	5,361
	Wistar Institute	Basic Core	1	2,646
South Carolina	Medical University of South Carolina	Clinical Core	1	2,239
Tennessee	St. Jude Children's Research Hospital	Comprehensive Core	1	6,238
	Vanderbilt University	Comprehensive Core	1	6,195
Texas	Baylor College of Medicine	Clinical Core	1	3,625
	University of Texas M.D. Anderson Cancer Center	Comprehensive Core	1	10,559
	University of Texas San Antonio Health Science Center	Clinical Core	1	2,093
	University of Texas Southwestern Medical Center	Clinical Core	1	2,655
Utah	University of Utah	Clinical Core	1	2,633
Virginia	University of Virginia Charlottesville	Clinical Core		2,679

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State	Grantee Institution	Code	Count	Amount
Virginia	Virginia Commonwealth University	Clinical Core	1	2,184
Washington	Fred Hutchinson Cancer Research Center	Comprehensive Core	1	9,617
Wisconsin	University of Wisconsin	Comprehensive Core	1	4,320
Total Cancer Centers			**102**	**$313,010**

Specialized Programs of Research Excellence (SPOREs)

In 1992, the NCI established the Specialized Programs of Research Excellence (SPORE). The Translational Research Program (TRP) is the home of the SPOREs, a cornerstone of NCI's efforts to promote collaborative, interdisciplinary translational cancer research. SPORE grants involve both basic and clinical/applied scientists, 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.

The NCI Funded Research Portfolio (NFRP) web site contains additional information about the SPORE grants listed below that have been funded by NCI. The NFRP provides access to various NCI budget reports that contain information about research funding according to specific research categories.

FY 2016 FUNDING FOR SPORE GRANTS

(Whole Dollars)

Mechanism	Site	Amount
P50 SPOREs	Brain	$11,352,070
	Breast	9,090,499
	Cervical	2,300,000
	Endometrial	2,491,997
	Gastrointestinal (GI)	5,377,267
	Head and Neck	1,943,901
	Kidney	4,600,000
	Leukemia	6,916,282

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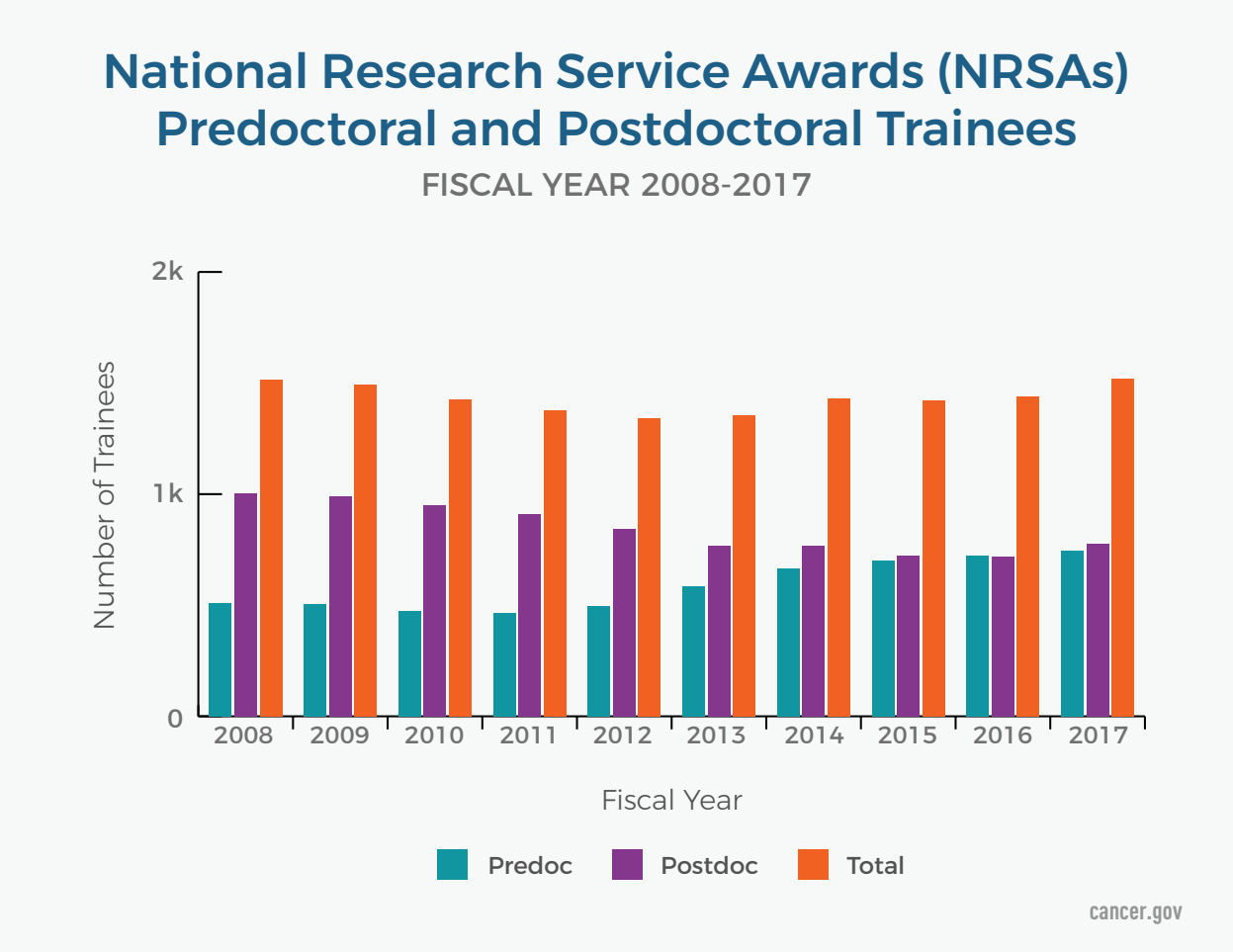
Mechanism	Site	Amount
P50 SPOREs	Lung	7,168,935
	Lymphoma	7,724,234
	Myeloma	4,599,999
	Neuroendocrine	2,600,000
	Ovarian	6,387,813
	Pancreatic	6,822,460
	Prostate	20,207,916
	Skin	7,173,141
	Thyroid	4,414,985
	Subtotal	**$111,171,499**
U54 SPOREs	Hyperactive RAS	$2,271,783
	Subtotal	**$2,271,783**
Co-funded	Head & Neck	$216,200
	Total Co-funded	**$216,200**
Total Number of SPOREs, Total SPORE Funding		**$113,659,482**

Total funding shown represents the SPORE program using relevant U54s and co-funded grants external to NCI.

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

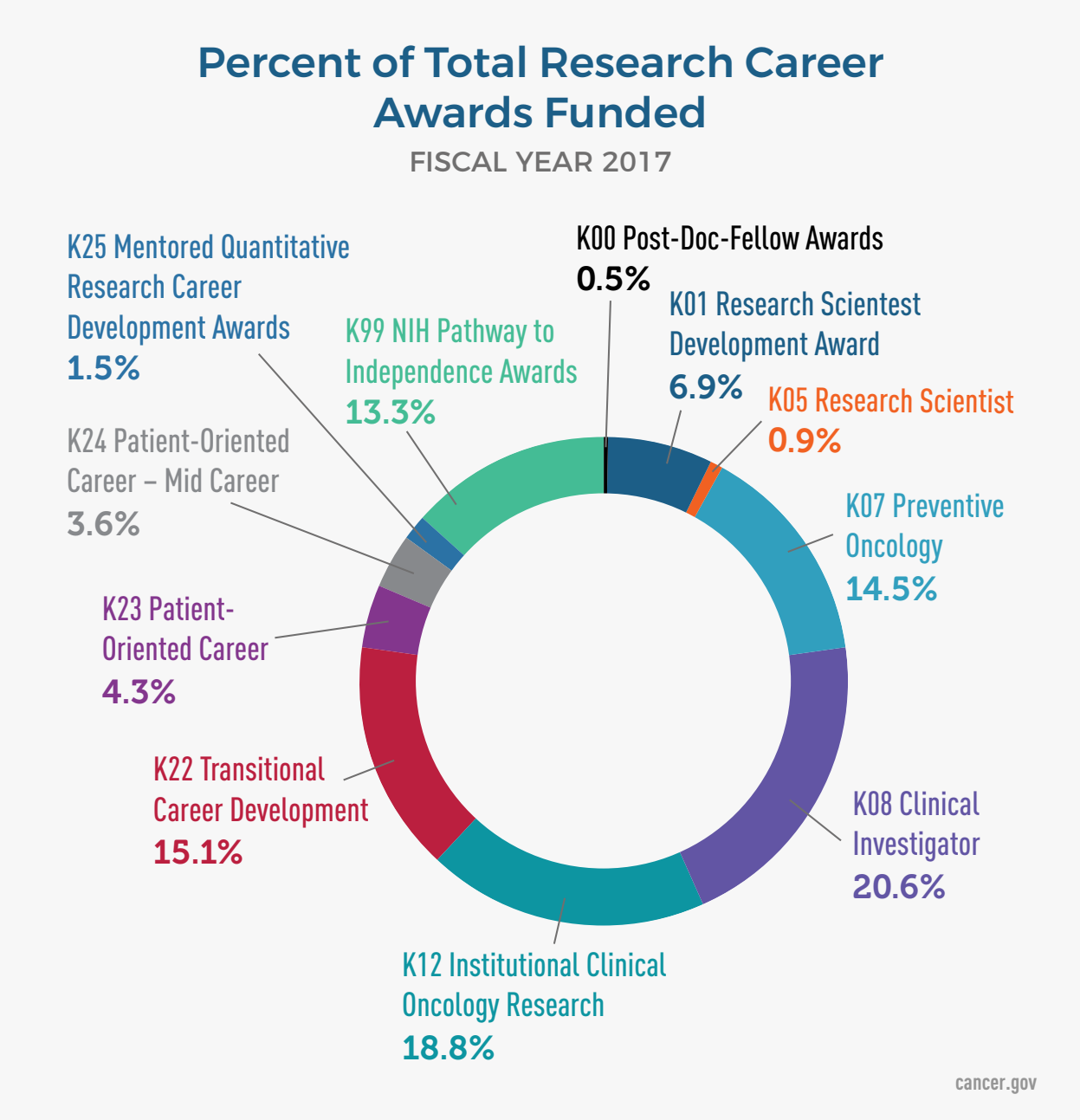
This trainee award program is named after Dr. Ruth L. Kirschstein, a polio vaccine researcher and a champion of research training and inclusion of underrepresented individuals in the scientific workforce. Dr. Kirschstein was the first woman to become director of an NIH institute.

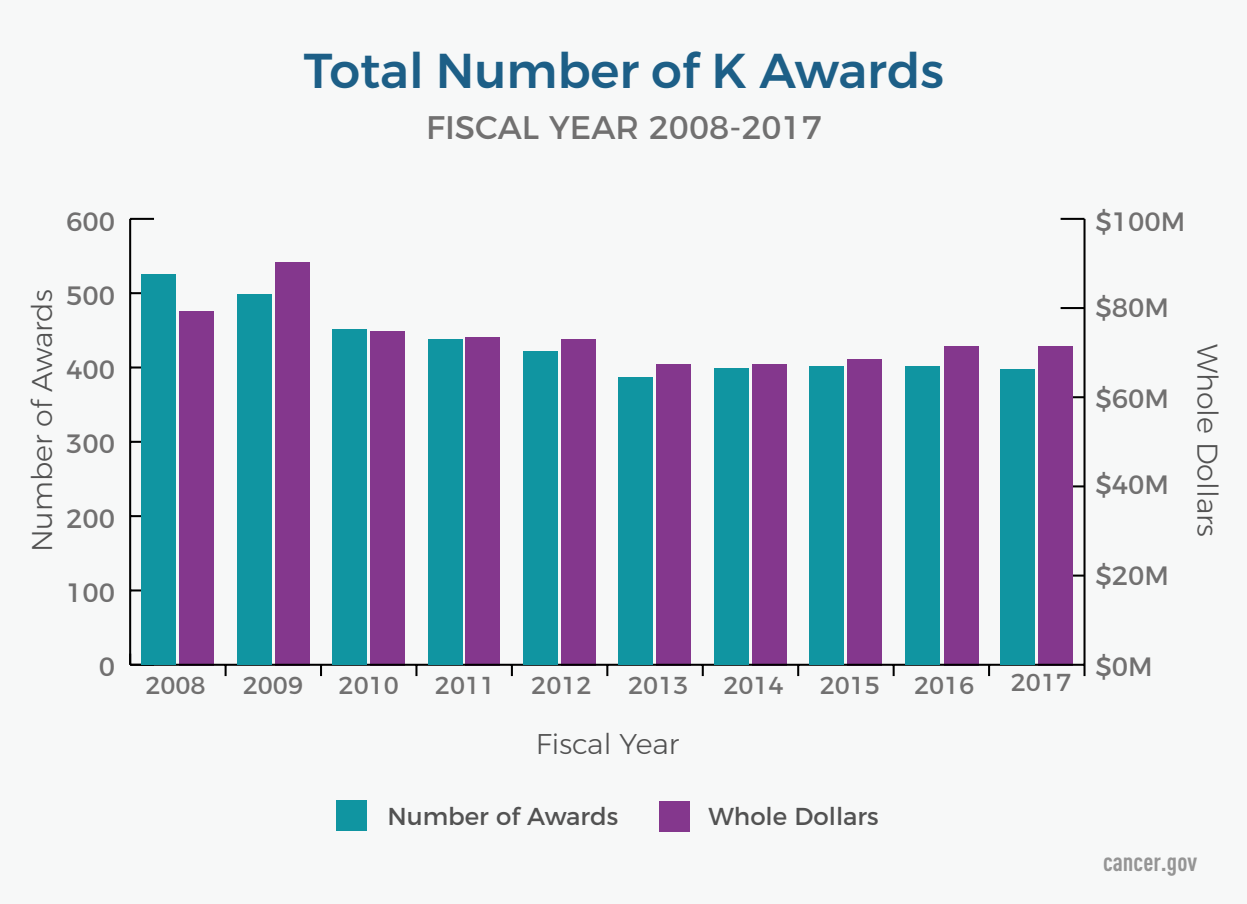
The NCI Ruth L. Kirschstein National Research Service Award (NRSA) program helps ensure that a diverse pool of highly trained scientists is available in appropriate scientific disciplines to meet the Nation's biomedical, behavioral, and clinical research needs.



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.




Total Number of K Awards
FISCAL YEAR 2008-2017
Number of Awards
600
500
400
300
200
100
0
$100M
$80M
$60M
$40M
$20M
$0M
Whole Dollars
2008
2009
2010
2011
2012
2013
2014
2015
2016
2017
Fiscal Year
Number of Awards
Whole Dollars
cancer.gov

Grant and Contract Awards

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

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

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

Grant and Contract Awards by State

GRANT AND CONTRACT AWARDS BY STATE, FY 2016

(Whole Dollars)

State	No. of Grants	Amount for Grants	No. of Contracts	Amount for Contracts	Total Number	Total Amount
Alabama	57	$28,298,941	2	$1,688,216	59	$29,987,157
Alaska	1	160,384			1	160,384
Arizona	57	31,416,828	1	1,740,946	58	33,157,774
Arkansas	15	6,630,648			15	6,630,648
Calirfornia	852	482,673,566	23	21,159,481	875	503,833,047
Colorado	93	35,607,160	2	547,550	95	36,154,710
Conneticut	97	41,615,724	5	7,182,121	102	48,797,845
Delaware	7	4,356,354			7	4,356,354
District of Columbia	59	24,501,014	14	16,665,205	73	41,166,219
Florida	159	74,062,332	9	3,201,005	168	77,263,337

(Continued from previous page)

State	No. of Grants	Amount for Grants	No. of Contracts	Amount for Contracts	Total Number	Total Amount
Georgia	108	42,047,037	11	47,090,632	119	89,137,669
Hawaii	12	11,441,242	1	1,414,528	13	12,855,770
Idaho	1	68,748			1	68,748
Illinois	220	94,241,211	6	7,710,742	226	101,951,953
Indiana	74	29,956,953			74	29,956,953
Iowa	35	18,958,329	2	6,344,626	37	25,302,955
Kansas	35	16,165,429			35	16,165,429
Kentucky	48	17,526,821	2	2,182,518	50	19,709,339
Louisiana	23	7,611,827	1	1,864,684	24	9,476,511
Maine	13	7,980,650			13	7,980,650
Maryland	192	90,602,874	44	552,446,386	236	643,049,260
Massachusetts	626	368,063,984	4	619,910	630	368,683,894
Michigan	182	87,982,659	2	4,446,240	184	92,428,899
Minnesota	169	109,334,035	3	2,036,509	172	111,370,544
Mississippi	1	348,844	1	1,437,578	2	1,786,422
Missouri	101	52,751,888	4	5,528,628	105	58,280,516
Montana	2	715,581			2	715,581
Nebraska	43	18,150,632			43	18,150,632
Nevada	4	2,392,201			4	2,392,201
New Hampshire	41	22,407,562	1	40,000	42	22,447,562

(Continued from previous page)

State	No. of Grants	Amount for Grants	No. of Contracts	Amount for Contracts	Total Number	Total Amount
New Jersey	69	25,774,152	5	6,298,818	74	32,072,970
New Mexico	23	15,403,945	1	3,056,324	24	18,460,269
New York	672	339,171,689	9	5,099,772	681	344,271,461
North Carolina	258	121,048,112	3	1,512,491	261	122,560,603
North Dakota	1	201,978			1	201,978
Ohio	246	111,699,128	2	1,181,179	248	112,880,307
Oklahoma	28	11,459,268	1	1,236,052	29	12,695,320
Oregon	54	38,502,232			54	38,502,232
Pennsylvania	433	282,847,961	4	2,293,402	437	285,141,363
Rhode Island	22	3,306,435			22	3,306,435
South Carolina	60	26,762,028	1	300,000	61	27,062,028
South Dakota	2	1,364,067			2	1,364,067
Tennessee	154	88,106,331	4	8,758,184	158	96,864,515
Texas	482	236,540,508	2	4,001,575	484	240,542,083
Utah	68	30,982,438	2	2,008,834	70	32,991,272
Vermont	5	3,641,143	1	15,000	6	3,656,143
Virginia	96	45,078,018	15	25,526,427	111	70,604,445
Washington	203	134,041,208	3	4,674,396	206	138,715,604
West Virginia	9	2,394,966	1	1,999,987	10	4,394,953
Wisconsin	89	49,335,713	3	2,694,446	92	52,030,159

(Continued from previous page)

State	No. of Grants	Amount for Grants	No. of Contracts	Amount for Contracts	Total Number	Total Amount
Subtotal	**6,301**	**$3,295,732,778**	**195**	**$756,004,394**	**6,496**	**4,051,737,172**
Guam	1	943,190			1	943,190
Puerto Rico	5	4,058,985			5	4,058,985
Total	**6,307**	**$3,300,734,953**	**195**	**$756,004,394**	**6,502**	**$4,056,739,347**

Includes Cancer Moonshot funds.

Excludes STAMP, NRSA TAP, Loan Repayment Program, Foreign Contracts and Grants, Program Evaluation, and other assessments and miscellaneous expenses.

Grant and Contract Awards by Country

GRANT AND CONTRACT AWARDS BY COUNTRY, FY 2017

(Whole Dollars)

State	No. of Grants	Amount for Grants	No. of Contracts	Amount for Contracts	Total Number	Total Amount
Argentina	2	$702,406			2	$702,406
Australia	2	873,428			2	873,428
Bostwana	1	236,966			1	236,966
Costa Rica			3	23,378,231	3	23,378,231
Canada	9	5,439,080	1	900,185	10	6,339,265
France	4	2,492,142			4	2,492,142
Germany	2	636,376			2	636,376
Israel	1	199,019			1	199,019
Italy	1	117,072	1	49,950	2	167,022
Japan			1	157,967	1	157,967
Mexico	1	243,098			1	243,098
Netherlands	1	129,294			1	129,294
Nigeria	0	85,000			0	85,000
Peru	0	224,955			0	224,955
Poland			1	277,650	1	277,650
South Africa	1	74,840			1	74,840
Spain	1	224,100			1	224,100
Sweden	3	309,060			3	309,060

(Continued from previous page)

State	No. of Grants	Amount for Grants	No. of Contracts	Amount for Contracts	Total Number	Total Amount
Switzerland	2	853,564			2	853,564
United Kingdom	1	485,385			1	485,385
Total	**32**	**$13,325,785**	**7**	**$24,763,983**	**39**	**$38,089,768**

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

Includes Cancer Moonshot funds.

Excludes STAMP, NRSA TAP, Loan Repayment Program, Foreign Contracts and Grants, Program Evaluation, and other assessments and miscellaneous expenses.

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 2017.

INSTITUTIONS RECEIVING MORE THAN $15 MILLION IN NCI SUPPORT, FY 2017

(Whole Dollars)

State	Institution	Grants	Contracts	Total NCI
Alabama	University of Alabama at Birmingham	$23,369,379	$1,403,875	$24,773,254
California	Burnham Institute for Medical Research	17,998,567		17,998,567
	City of Hope/ Beckman Research Institute	27,463,095		27,463,095
	Stanford University	71,829,016	45,639	71,874,655
	University of California San Francisco	84,375,323		84,375,323
	University of California Davis	27,289,171		27,289,171
	University of California Los Angeles	59,524,316		59,524,316

(Continued from previous page)

State	Institution	Grants	Contracts	Total NCI
California	University of California San Diego	33,844,827		33,844,827
	University of Southern California	32,149,321	3,666,351	35,815,672
Colorado	University of Colorado Denver	23,919,568		23,919,568
Connecticut	Yale University	37,777,698	99,932	37,877,630
District of Columbia	Georgetown University	15,786,735		15,786,735
	H. Lee Moffitt Cancer Center & Research Institute	28,464,783		28,464,783
Florida	University of Florida	18,077,906		18,077,906
Georgia	Emory University	24,789,383	2,824,187	27,613,570
Illinois	Northwestern University at Chicago	39,343,572	2,834,664	42,178,236
	University of Chicago	20,880,970		20,880,970
Indiana	Indiana Univ-Purdue Univ at Indianapolis	19,262,041		19,262,041

(Continued from previous page)

State	Institution	Grants	Contracts	Total NCI
Iowa	University of Iowa	15,807,949	4,399,975	20,207,924
Maryland	The Johns Hopkins University	66,184,954	4,795,716	70,980,670
Massachusetts	Beth Israel Deaconess Medical Center	21,001,440		21,001,440
	Brigham and Women's Hospital	47,276,401		47,276,401
	Dana-Farber Cancer Institute	114,474,418		114,474,418
	Harvard University	18,139,105	70,000	18,209,105
	Massachusetts General Hospital	54,375,964		54,375,964
	Massachusetts Institute of Technology	22,443,116		22,443,116
Michigan	University of Michigan at Ann Arbor	63,761,570		63,761,570
Minnesota	Mayo Clinic in Rochester	67,321,342	1,895,817	69,217,159
	University of Minnesota	34,562,816	140,692	34,703,508

(Continued from previous page)

State	Institution	Grants	Contracts	Total NCI
Missouri	Washington University	48,426,913		48,426,913
Nebraska	University of Nebraska Medical Center	15,472,413		15,472,413
New Hampshire	Dartmouth College	18,900,139	40,000	18,940,139
New York	Albert Einstein College of Medicine	20,049,630	453,713	20,503,343
	Columbia University Health Sciences	40,691,119	135,000	40,826,119
	Mount Sinai School of Medicine	43,031,692		43,031,692
	New York University School of Medicine	29,829,837		29,829,837
	Roswell Park Cancer Institute Corporation	20,676,590		20,676,590
	Sloan-Kettering Institute for Cancer Research	92,997,094		92,997,094

(Continued from previous page)

State	Institution	Grants	Contracts	Total NCI
New York	Weill Medical Coll of Cornell Univ	19,287,206	627,879	19,915,085
North Carolina	Duke University	36,880,291		36,880,291
	University of North Carolina Chapel Hill	52,335,790		52,335,790
	Wake Forest University Health Sciences	17,559,723	95,000	17,654,723
Ohio	Case Western Reserve University	29,100,306		29,100,306
	Ohio State University	48,128,190	114,977	48,243,167
Oregon	Oregon Health and Science University	34,447,366		34,447,366
Pennsylvania	Children's Hospital of Philadelphia	38,307,461		38,307,461
	ECOG-ACRIN Medical Research Foundation	27,608,607		27,608,607
	NRG Oncology Foundation, INC	24,928,844		24,928,844

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State	Institution	Grants	Contracts	Total NCI
Pennsylvania	University of Pennsylvania	63,892,340		63,892,340
	University of Pittsburgh	51,444,012	143,135	51,587,147
	Wistar Institute	25,178,557		25,178,557
South Carolina	Medical University of South Carolina	20,244,877		20,244,877
Tennessee	St. Jude Children's Research Hospital	29,154,303		29,154,303
	Vanderbilt University Medical Center	41,444,566		41,444,566
Texas	Baylor College of Medicine	39,905,643		39,905,643
	University of Texas M.D. Anderson Cancer Center	111,436,224	4,001,575	115,437,799
	University of Texas, SW Medical Center at Dallas	28,282,949		28,282,949
Utah	University of Utah	27,991,350	2,008,834	30,000,184

(Continued from previous page)

State	Institution	Grants	Contracts	Total NCI
Virginia	University of Virginia	22,497,450		22,497,450
Washington	Fred Hutchinson Cancer Research Center	92,225,147	4,488,222	96,713,369
	University of Washington	23,518,557		23,518,557
Wisconsin	University of Wisconsin	28,595,278	1,485,915	30,081,193
	Medical College of Wisconsin	13,896,795	1,178,531	15,075,326
	Total	**$2,409,862,005**	**$36,949,629**	**$2,431,736,308**

Includes Cancer Moonshot funds.

Includes Manpower Development grants.

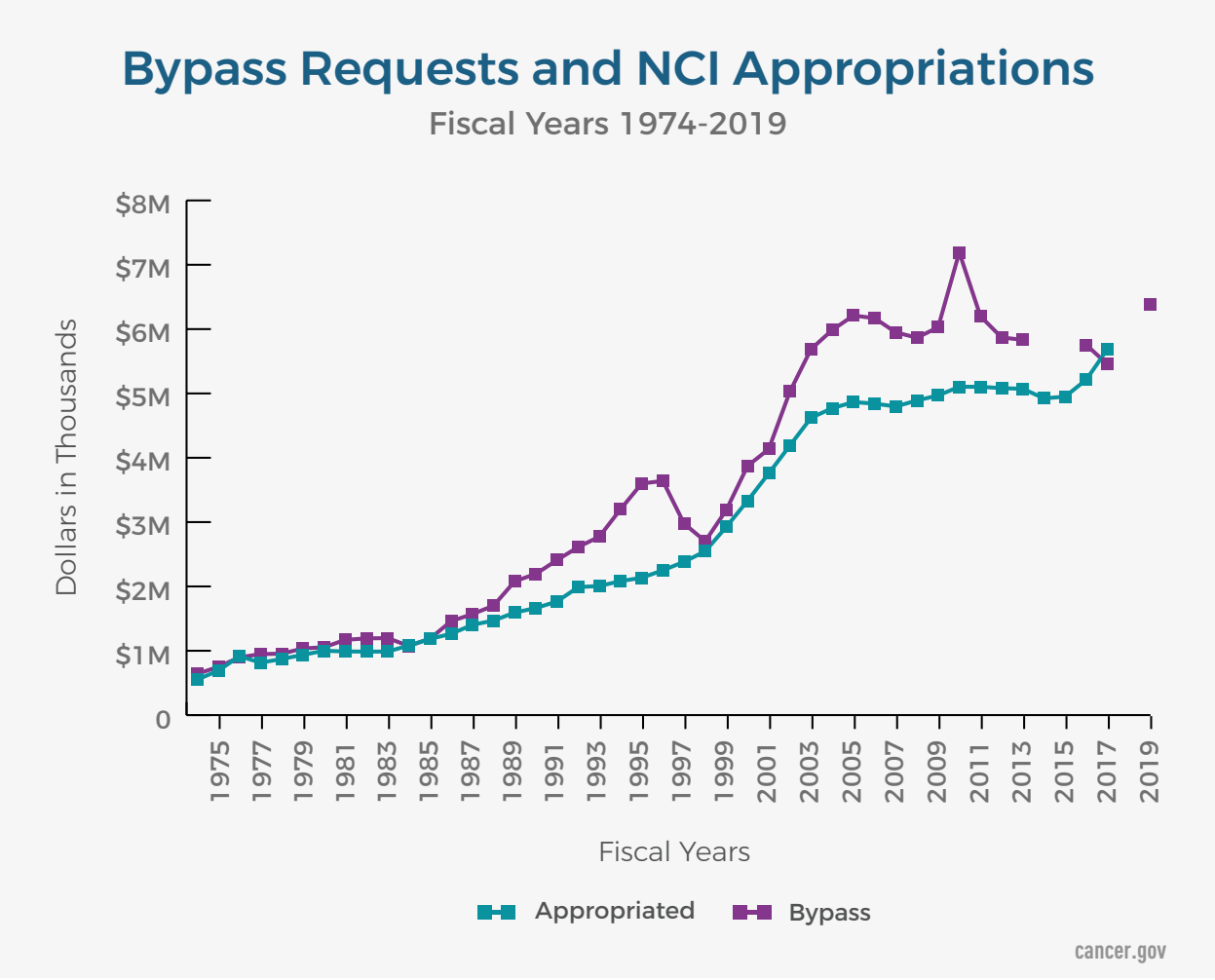
NCI Historical Trends

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

This graph displays the Appropriations for the NCI from fiscal years 1974 through 2017. It also displays the Professional Judgement Budget Requests, also known as Bypass Requests, from fiscal years 1974 through 2019.

The Bypass Budget Request was not released for FY 2014, FY 2015, and FY 2018.
The FY 2017 Appropriated budget includes $300,000,000 of Cancer Moonshot℠ funding.
The FY 2019 Bypass budget includes $400,000,000 of Cancer Moonshot℠ funding.



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 2017 (October 1, 2016 through September 30, 2017) is $5.68 billion. During the period from 2005 through 2015, the NCI budget averaged $4.9 billion per year.

APPROPRIATIONS OF THE NCI, 1938-2017

(Whole Dollars)

Fiscal Years	Amount	Notes
1938 - 2003	**$52,940,982,220**	
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.
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.
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.
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.
2008	4,890,525,000	Prior to -$85,437,000 rescission and $3,091,000 in NIH transfer activities. Includes supplemental appropriation of $25,559,000. Includes $258,499,000 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.
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.
2011	5,103,388,000	Prior to -$44,810,787 recission and $472,000 lapse. Includes $269,953,000 of AIDS funding.
2012	5,081,788,000	Prior to $9,605,579 rescission, -$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.
2013	5,072,183,000	Prior to -$254,589,000 under sequestration (Budget Control Act, 2011, PL 112–25), -$10,144,367 recission, -$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 $261,550,000 of AIDS funding.
2014	4,923,238,000	Prior to -$12,359,000 HHS Secretary's transfer,-$965,000 HHS Secretary's Cybersecurity Transfer (authorized by section 206 of P.L. 113-76), +$16,180,552 transfer from National Children's Study, and +$6,307,000 transfer from NIH Office of AIDS Research, and $33,000 lapse. Includes $269,212,000 of AIDS funding.
2015	4,950,396,000	Prior to +$2,632,000 transfer from NIH Office of AIDS Research and $435,000 lapse. Includes $269,660,000 of AIDS funding.

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Fiscal Years	Amount	Notes
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.
2017	5,689,329,000	Prior to -$11,971,000 HHS Secretary's transfer, -$17,403,000 transfer to NIH Office of AIDS Research, and $247,000 lapse. Includes $249,019,000 of AIDS funding and $300,000,000 of Cancer Moonshot℠ funding.
1938 - 2017	**$127,836,742,220**	

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 Requests 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 2008-2019

(Whole Dollars)

Fiscal Year	Request
2019**	$6,380,000,000
2018	*
2017	5,453,000,000
2016	5,754,000,000
2015	*
2014	*
2013	5,833,010,000

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Fiscal Year	Request
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

*** The Bypass Budget Request was not released for FY 2014, FY 2015, and FY 2018.**

**** Includes $400,000,000 of FY 2019 Cancer Moonshot℠ funding.**

NCI Funding Trends

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

NCI FUNDING

Funding, FY 2012-2016

(Dollars in Millions)

Mechanism	2013	2014	2015	2016	2017**
Research Project Grants	2,000.2	2,012.6	2,092.6	2,146.1	2,278.4
Cancer Centers	262.2	281.8	288.7	335.0	313.0
SPOREs	104.3	104.6	102.7	108.2	111.4
Other P50s/P20s	21.5	18.2	5.8	2.8	1.3
Specialized Centers	146.0	139.2	112.3	99.3	135.6
Clinical Cooperative Groups	235.4	271.6	250.8	221.0	245.3
R&D Contracts	616.0	652.3	597.0	732.3	880.4
Intramural Research	811.6	845.1	843.2	894.5	899.7
Other Mechanisms*	591.8	607.0	659.6	666.9	771.2
Total NCI	**$4,789.0**	**$4,932.4**	**$4,952.6**	**$5,206.2**	**$5,636.4**

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

**** Includes Cancer Moonshot funding.**

PERCENT CHANGE BY MECHANISM

Percent Change by Mechanism, FY 2012-2017

Mechanism	2012 to 2013	2013 to 2014	2014 to 2015	2015 to 2016	2016 to 2017
Total NCI	**-5.5%**	**3.0%**	**0.4%**	**5.1%**	**8.3%**
Research Project Grants	-7.0%	0.6%	4.0%	2.6%	6.2%
Cancer Centers	-6.3%	7.5%	2.4%	16.0%	-6.6%
SPOREs	-8.1%	0.3%	-1.8%	5.4%	3.0%
Other P50s/P20s	-35.8%	-15.2%	-68.1%	-51.5%	-52.6%
Specialized Centers	-21.5%	-4.6%	-19.3%	-11.6%	36.5%
Clinical Cooperative Groups	2.4%	15.4%	-7.7%	-11.9%	11.0%
R&D Contracts	4.5%	5.9%	-8.5%	22.7%	20.2%
Intramural Research	-5.4%	4.1%	-0.2%	6.1%	0.6%
Other Mechanisms*	-5.5%	2.6%	8.7%	1.1%	15.6%

***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 SHARE OF TOTAL NCI DOLLARS

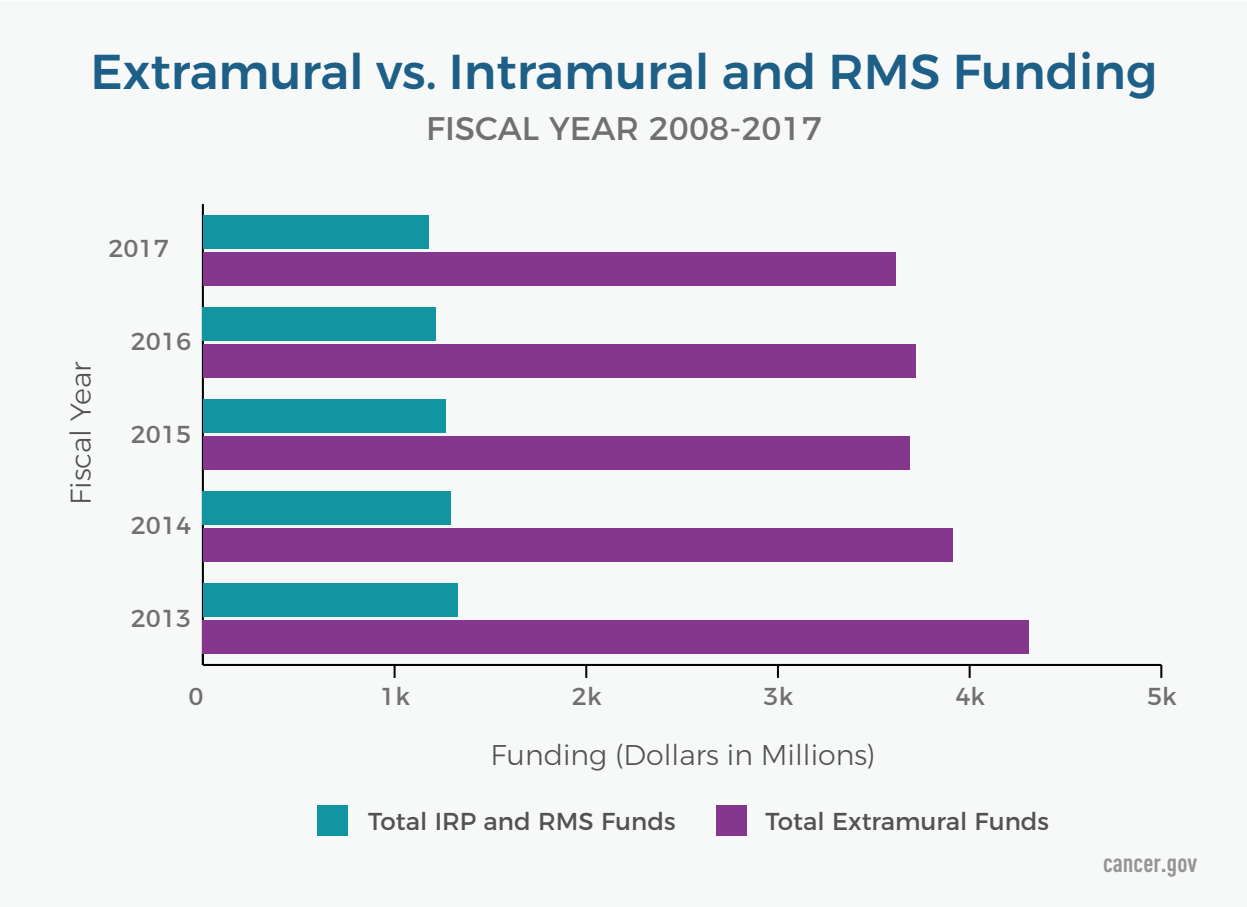
Mechanism Share of NCI Budget, FY 2013-2017

Mechanism	2013	2014	2015	2016	2017
Research Project Grants	41.8%	40.8%	42.3%	41.2%	40.4%
Cancer Centers	5.5%	5.7%	5.8%	6.4%	5.6%
SPOREs	2.2%	2.1%	2.1%	2.1%	2.0%
Other P50s/P20s	0.4%	0.4%	0.1%	0.1%	0.0%
Specialized Centers	3.0%	2.8%	2.3%	1.9%	2.4%
Clinical Cooperative Groups	4.9%	5.5%	5.1%	4.2%	4.4%
R&D Contracts	12.9%	13.2%	12.1%	14.1%	15.6%
Intramural Research	16.9%	17.1%	17.0%	17.2%	16.0%
Other Mechanisms*	12.4%	12.3%	13.3%	12.8%	13.7%

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



FY 2017 figures includes Cancer Moonshot funds.

FY 2013-2017 TOTAL NCI FUNDING

(Dollars in Millions)

2013	2014	2015	2016	2017	2013-2017 % Change
$4,789.0	$4,932.4	$4,952.6	$5,206.2	$5,636.4	17.7%

FY 2013-2017 EXTRAMURAL FUNDING

(Dollars in Millions)

Mechanism	2013	2014	2015	2016	2017	2013-2017 % Change
Research Project Grants	$2,000.2	$2,012.6	$2,092.6	$2,146.1	$2,278.4	13.9%
Cancer Centers	262.2	281.8	288.7	335.0	313.0	19.4%
SPOREs	104.3	104.6	102.7	108.2	111.4	6.8%
Other P50s/ P20s	21.5	18.2	5.8	2.8	1.3	-93.8%
Other Specialized Centers	146	139.2	112.3	99.3	135.6	-7.1%
Other Research Grants	387.5	430.0	410.1	399.1	481.9	24.3%
NRSA	65.8	69.2	69.8	73.0	77.6	18.0%
R&D Contract	616.0	652.3	597.0	732.3	880.4	42.9%
Buildings & Facilities	7.9	8.0	8.0	16.0	30.0	279.6%
Total Extramural Funds	**$3,611.4**	**$3,715.9**	**$3,687.0**	**$3,911.9**	**$4,309.7**	**-80.7%**

FY 2013-2017 INTRAMURAL AND RMS FUNDING

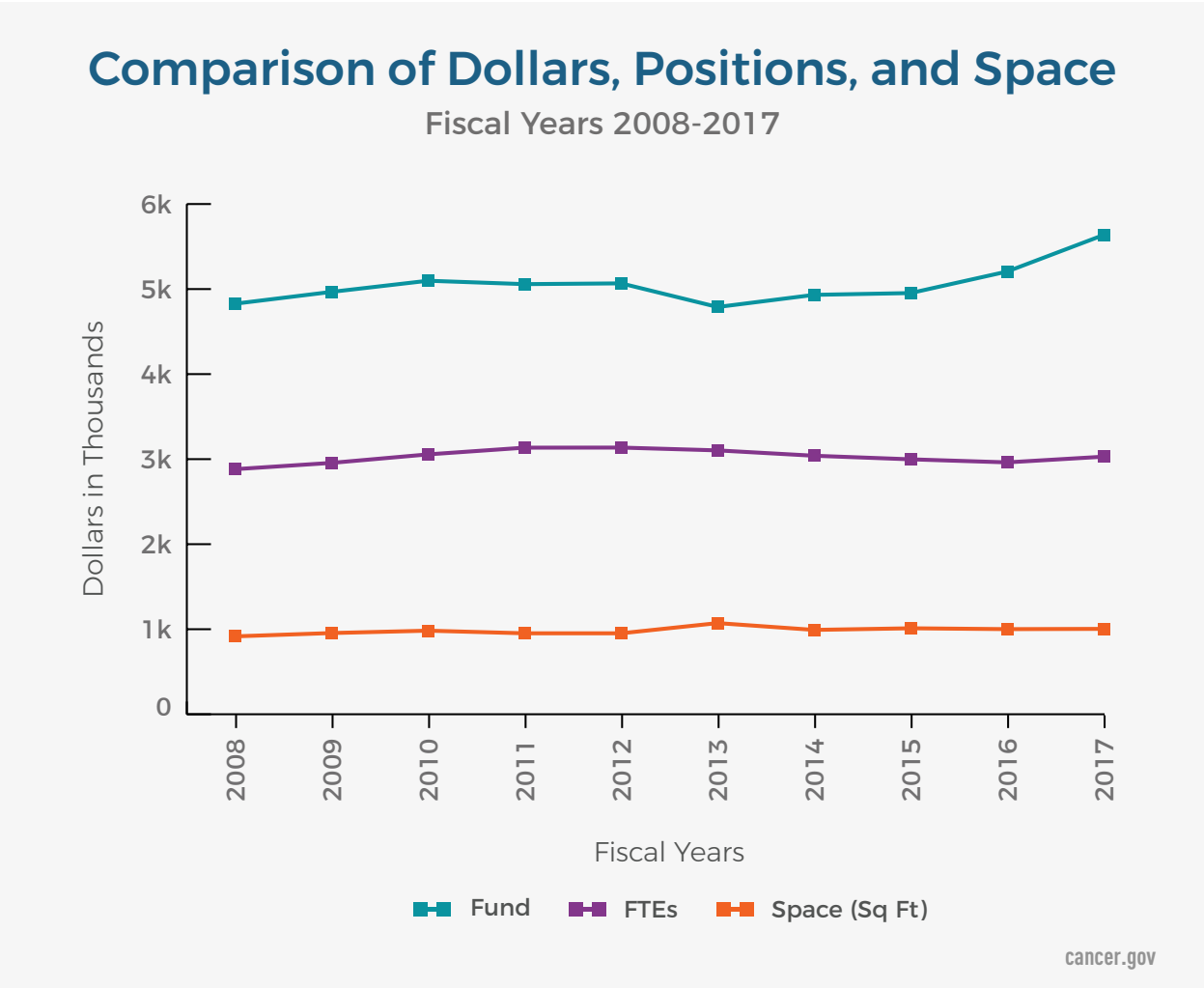
(Dollars in Millions)

Mechanism	2013	2014	2015	2016	2017	2013-2017 % Change
Intramural Research	$811.6	$845.0	$843.2	$894.5	$899.7	10.9%
RMS	366.1	371.4	422.5	399.8	427.0	16.7%
Total IRP & RMS Funds	**$1,177.6**	**$1,216.5**	**$1,265.6**	**$1,294.3**	**$1,326.7**	**12.7%**

Comparison of Dollars, Positions, and Space

In this table, funds represent 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 fiscal years 2008-2017.

- 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

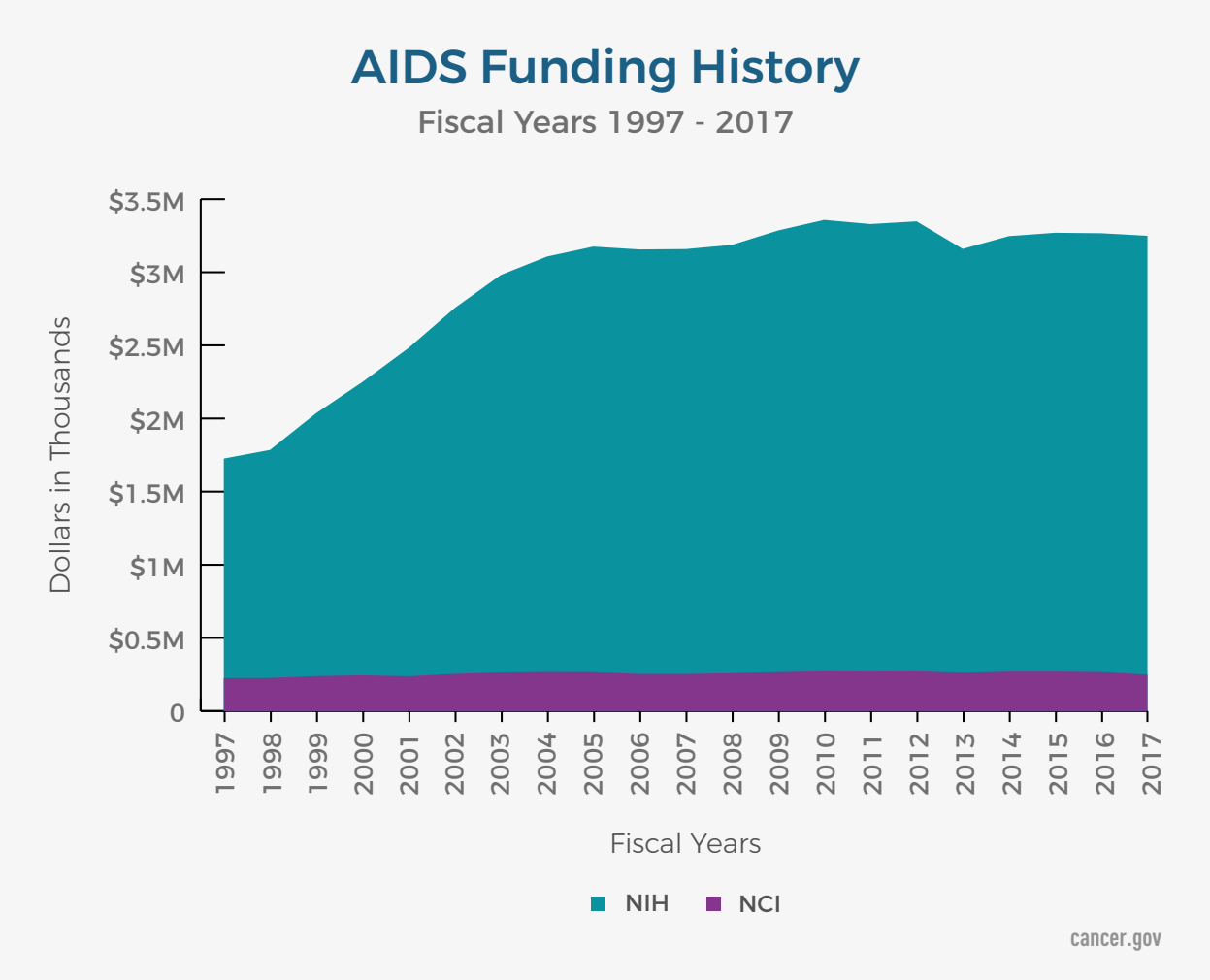
NCI PERSONNEL, FY 2008-2017

Fiscal Year	Full Time Permanent	Other Than Full Time Permanent	Training Fellows	Total Personnel Resources
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	879	3,941
2015	2,119	897	947	3,963
2016	2,050	1,001	972	4,023
2017	2,156	890	1,042	4,088

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.



Cancer Moonshot℠ - Recent Fiscal Year Funding

The 21st Century Cures Act, which was signed into law in December 2016, authorized $1.8 billion to fund the Cancer Moonshot over a 7-year period. The goals of the Cancer Moonshot aim to accelerate progress in cancer research.

Find information on recent funding opportunity announcements can be found on the Cancer Moonshot Funding Opportunities page.

CANCER MOONSHOT FISCAL YEAR SUMMARY

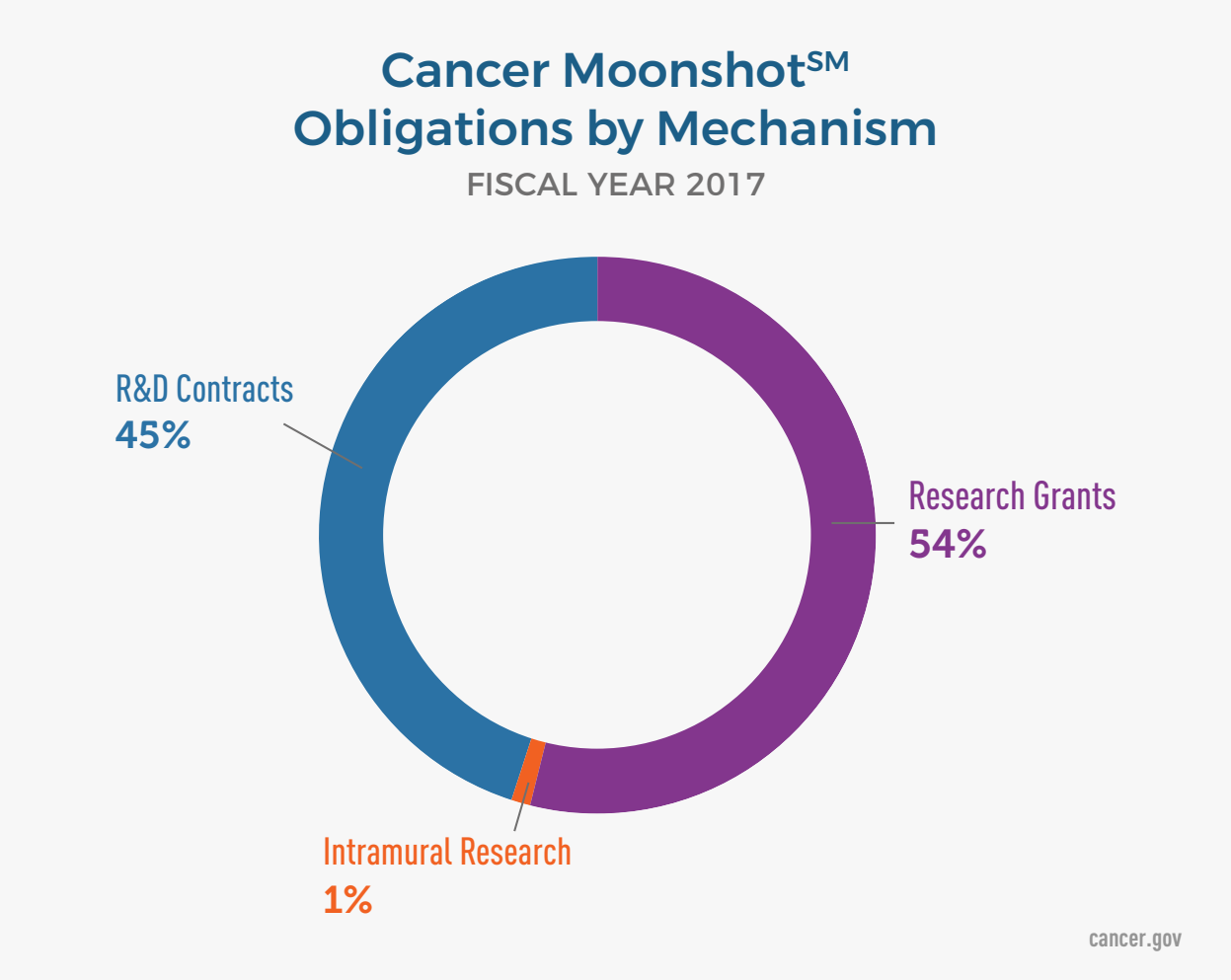
(Whole Dollars)

Fiscal Year	Authorization
2017	$300,000,000
2018	$300,000,000
2019	$400,000,000
2020	$195,000,000
2021	$195,000,000
2022	$194,000,000
2023	$216,000,000
Total	**$1,800,000,000**

Funding for the Cancer Moonshot is appropriated on an annual basis. The following pages contain information on the initial $300 million of Cancer Moonshot funding received during Fiscal Year 2017.

Cancer Moonshot℠ - Obligations by Budget Mechanism

With $300 million appropriated for Cancer Moonshot activities in fiscal year (FY) 2017, funding was allocated into three budget mechanisms: research grants, R&D contracts, and intramural research, as shown in the chart below.



Similar to the institute's annual appropriation, NCI reports Cancer Moonshot obligations by funding mechanism.

CANCER MOONSHOT OBLIGATIONS BY MECHANISM, FY 2017

(Whole Dollars)

Type of Mechanism	Mechanism	Number	Amount
Research Project Grants (RPGs)	Competing	40	$55,346,604
	Administrative Supplements	*26*	$3,090,180
	Subtotal, without SBIR	**40**	**$58,436,784**
	SBIR/STTR Grants	8	$4,571,635
	Subtotal, RPGs	**48**	**$63,008,419**
Centers	Cancer Centers Grants-P30s	*25*	$4,028,663
	Cooperative Agreements-U54s	9	$22,619,831
	Subtotal, Centers	**9**	**$26,648,494**
Other Research	Resource Grants-U24s	8	$59,234,334
	Subtotal, Other Research	**8**	**$59,234,334**
Subtotal, Research Grants		65	$148,891,247
R&D Contracts	R&D Contracts	7	$118,912,332
	SBIR/STTR Contracts	9	$6,019,309
	Subtotal, R&D Contracts	**16**	**$124,931,641**
Carryover	FY 2017 Carryover		$23,315,164
Total			**$300,000,000**

Cancer Moonshot℠ - Funding by Research Category

To ensure the Cancer Moonshot goals and approaches were grounded in the best science, NCI convened a Blue Ribbon Panel (BRP) of scientific experts as a working group to the National Cancer Advisory board. In September of 2016, the BRP presented a final report outlining 10 research recommendations that represent areas that are well-positioned to accelerate progress in cancer prevention, diagnosis, treatment and care.

The following research categories align with these 10 recommendations:

CANCER MOONSHOT BY CATEGORY, FY 2017

(Whole Dollars)

Research Category	Amount
Network for Direct Patient Engagement	$19,999,626
Cancer Immunotherapy Translational Science Network	$34,011,598
Therapeutic Target Identification to Overcome Drug Resistance	$14,336,865
A National Cancer Data Ecosystem for Sharing and Analysis	$11,572,741
Fusion Oncoproteins in Childhood Cancers	$1,733,623
Prevention and early detection: Implementation of Evidence-Based Approaches	$28,245,612
Retrospective Analysis of Biospecimens form Patients Treated with Standard of Care	$12,889,396
Generation of Human Tumor Atlases	$37,327,764
Development of New Enabling Cancer Technologies	$62,948,903

(Continued from previous page)

Research Category	Amount
Other Cancer Moonshot priority activities (e.g., Partnership for Accelerating Cancer Therapies)	$53,618,708
Subtotal, Research Category	**$276,684,836**
Fiscal Year 2017 Carryover	$23,315,164
Total	**$300,000,000**

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