

# RPG Pool Analysis

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# Strong support for RPGs - FY 2013-19

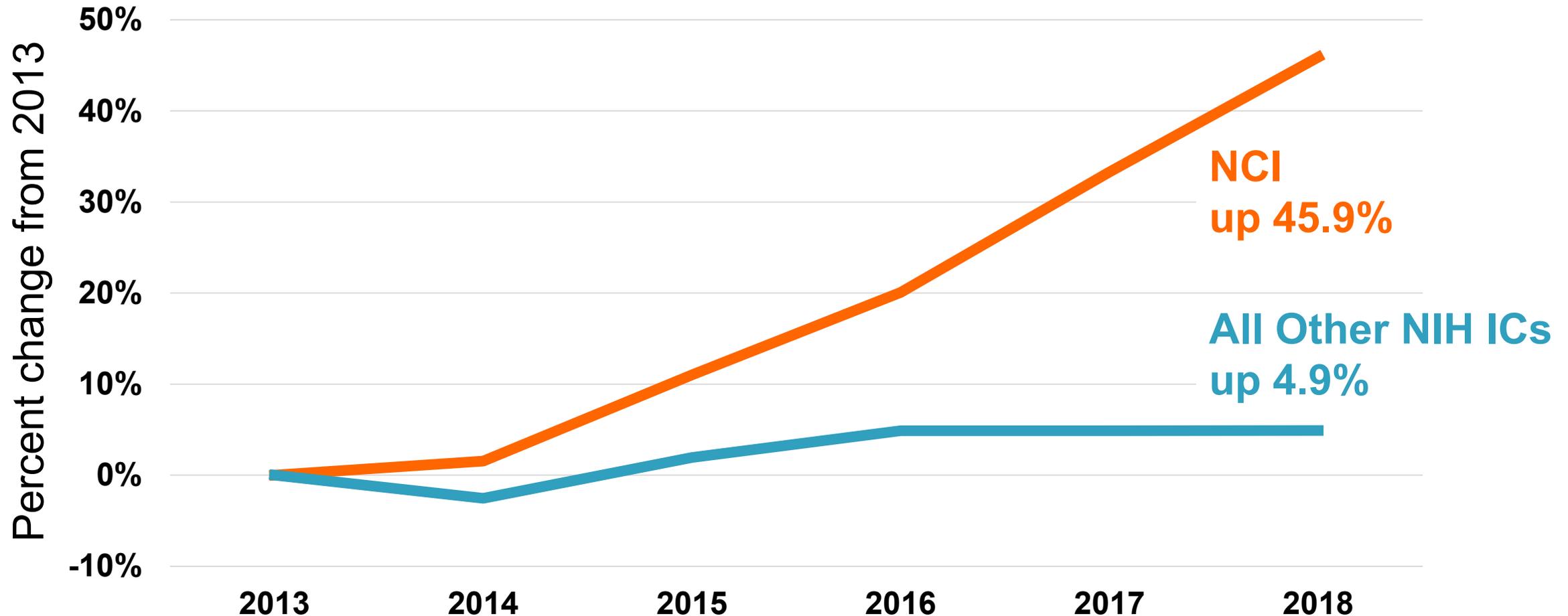
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- Increases to the RPG pool several fiscal years starting with 2014
  - Established 7-year awards for Outstanding Investigators
  - Extended many ESI awards from 5 to 7 years with the R37 & preserved higher payline for ESIs
- R21 (2-year grants) awards have **decreased**
  - R01 applications have **increased by almost 50%**
  - *Paylines and success rates*

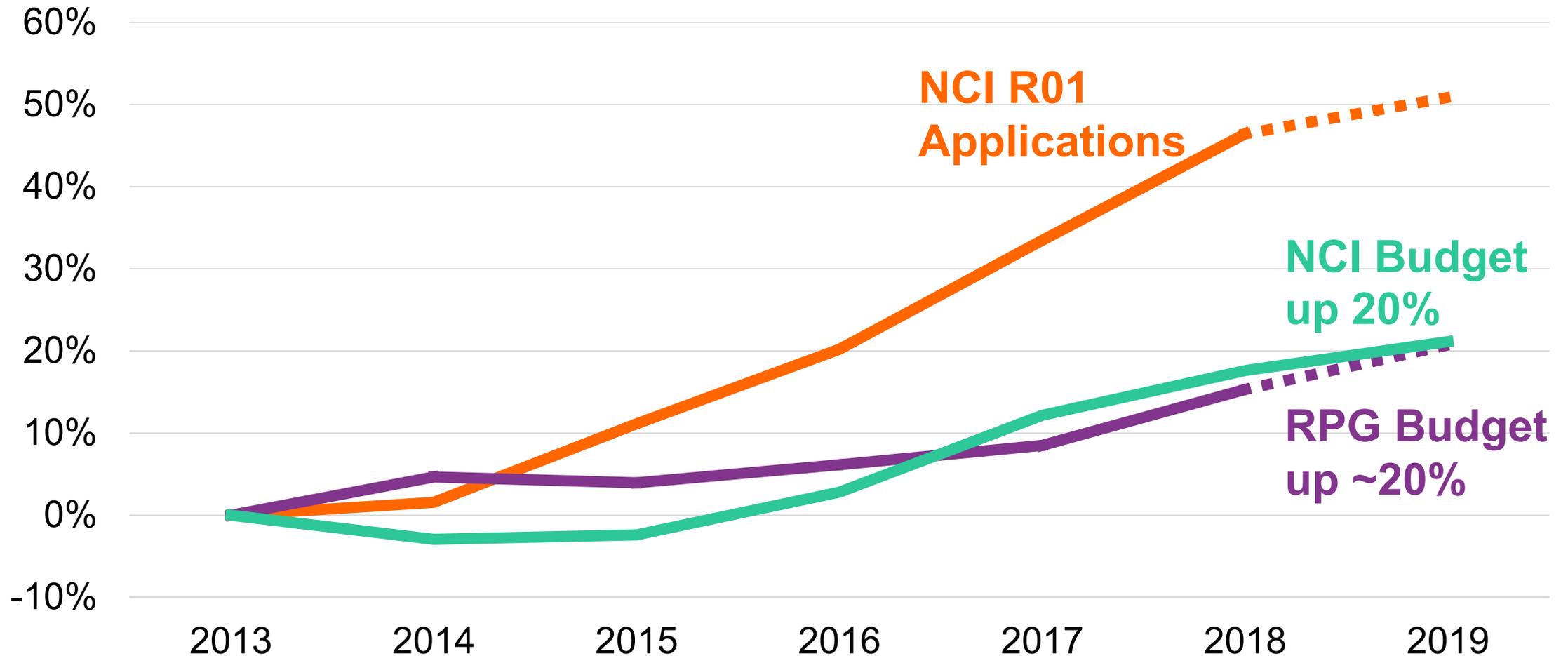


# Dramatic Increase in R01 Applications 2013 - 2018

Competing R01 Applications, NCI vs All Other ICs



# Competing R01 **applications** vs. budgets for NCI & RPGs: Percent change since FY 2013



# Success rates from 2013 to 2018 have increased for NIH overall but decreased for NCI

## 2013 NIH Success Rates by Institute/Center

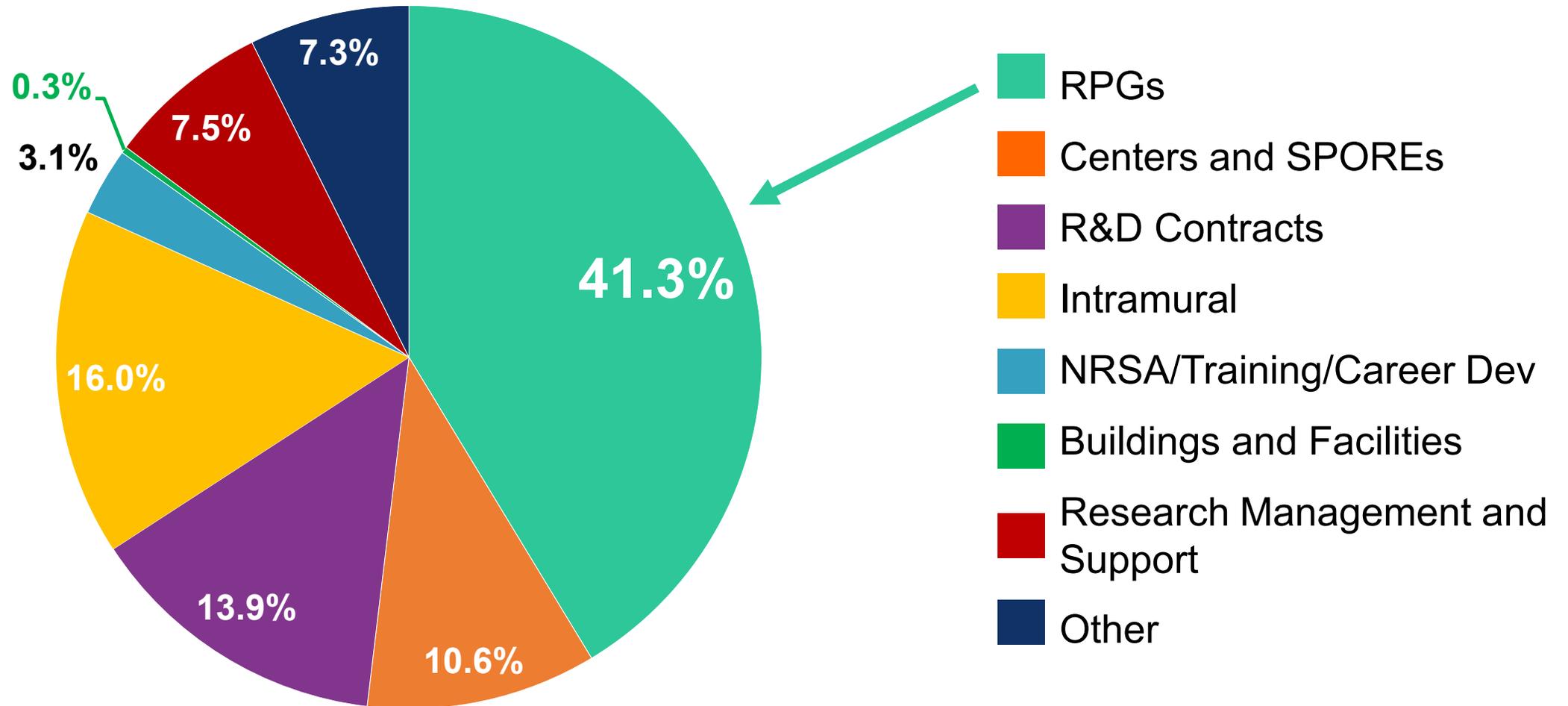
Institute/Center	Applications	Awards	Success Rates
NEI	1,128	267	23.70%
NIDCD	721	162	22.50%
NIDDK	2,760	579	21.00%
NHGRI	341	70	20.50%
OD ORIP-SEPA	55	11	20.00%
NIDCR	718	143	19.90%
NIGMS	4,158	826	19.90%
NINDS	3,551	702	19.80%
NIAAA	853	166	19.50%
NIDA	1,874	365	19.50%
NIAID	5,367	1,008	18.80%
NIMH	2,736	512	18.70%
NHLBI	4,331	734	16.90%
<b>FY13 TOTALS</b>	<b>49,581</b>	<b>8,310</b>	<b>16.80%</b>
NIAMS	1,635	260	15.90%
NIEHS	1,028	157	15.30%
FIC	137	20	14.60%
<b>NCI</b>	<b>7,975</b>	<b>1,095</b>	<b>13.70%</b>
NIBIB	1,329	182	13.70%
NIA	2,674	365	13.60%
NLM	106	13	12.30%
NCCAM	405	47	11.60%
NICHD	3,269	354	10.80%
OD COMMON FUND	1,434	132	9.20%
NINR	581	53	9.10%
NIMHD	280	12	4.30%

## 2018 NIH Success Rates by Institute/Center

Institute/Center	Applications	Awards	Success Rates
NCATS	66	23	34.80%
NIGMS	3,835	1,118	29.20%
NIA	3,240	937	28.90%
NHGRI	268	75	28.00%
NIDCD	840	228	27.10%
NEI	1,159	310	26.70%
NIAAA	948	253	26.70%
NHLBI	3,960	992	25.10%
NIAID	6,207	1,420	22.90%
NIDCR	906	201	22.20%
NIMH	2,714	602	22.20%
NINDS	4,478	975	21.80%
NIDDK	3,195	689	21.60%
NCCIH	306	62	20.30%
<b>FY18 TOTALS</b>	<b>54,834</b>	<b>11,071</b>	<b>20.20%</b>
FIC	210	41	19.50%
NIDA	2,108	391	18.50%
NICHD	3,033	557	18.40%
OD ORIP-SEPA	73	13	17.80%
NLM 2	186	33	17.70%
NIEHS	1,118	191	17.10%
NIBIB	1,523	256	16.80%
NIAMS	1,589	266	16.70%
<b>NCI</b>	<b>10,282</b>	<b>1,162</b>	<b>11.30%</b>
OD COMMON FUND	1,243	135	10.90%
NIMHD	656	70	10.70%
NINR	691	71	10.30%

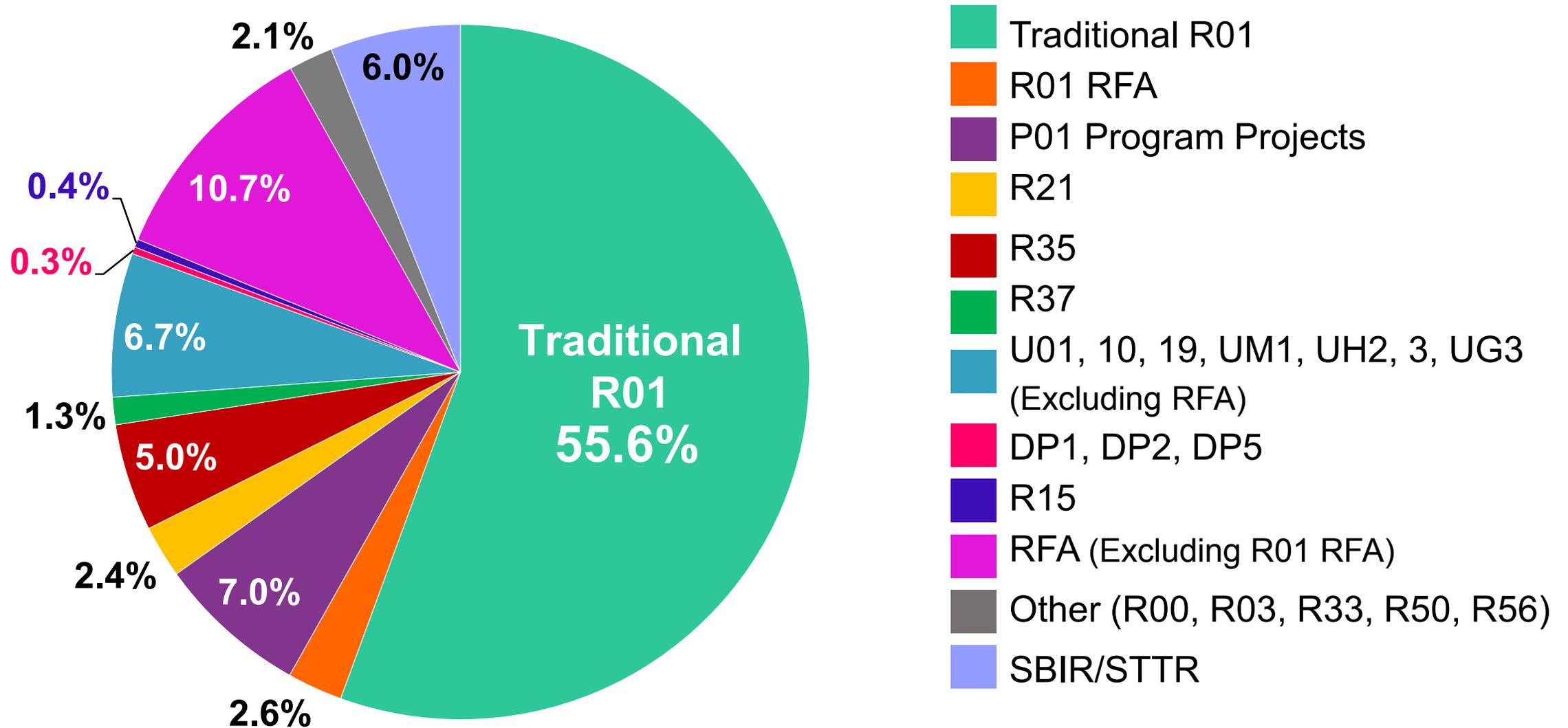
Source: [https://report.nih.gov/success\\_rates/Success\\_ByIC.cfm](https://report.nih.gov/success_rates/Success_ByIC.cfm)

# NCI Budget – FY 2018



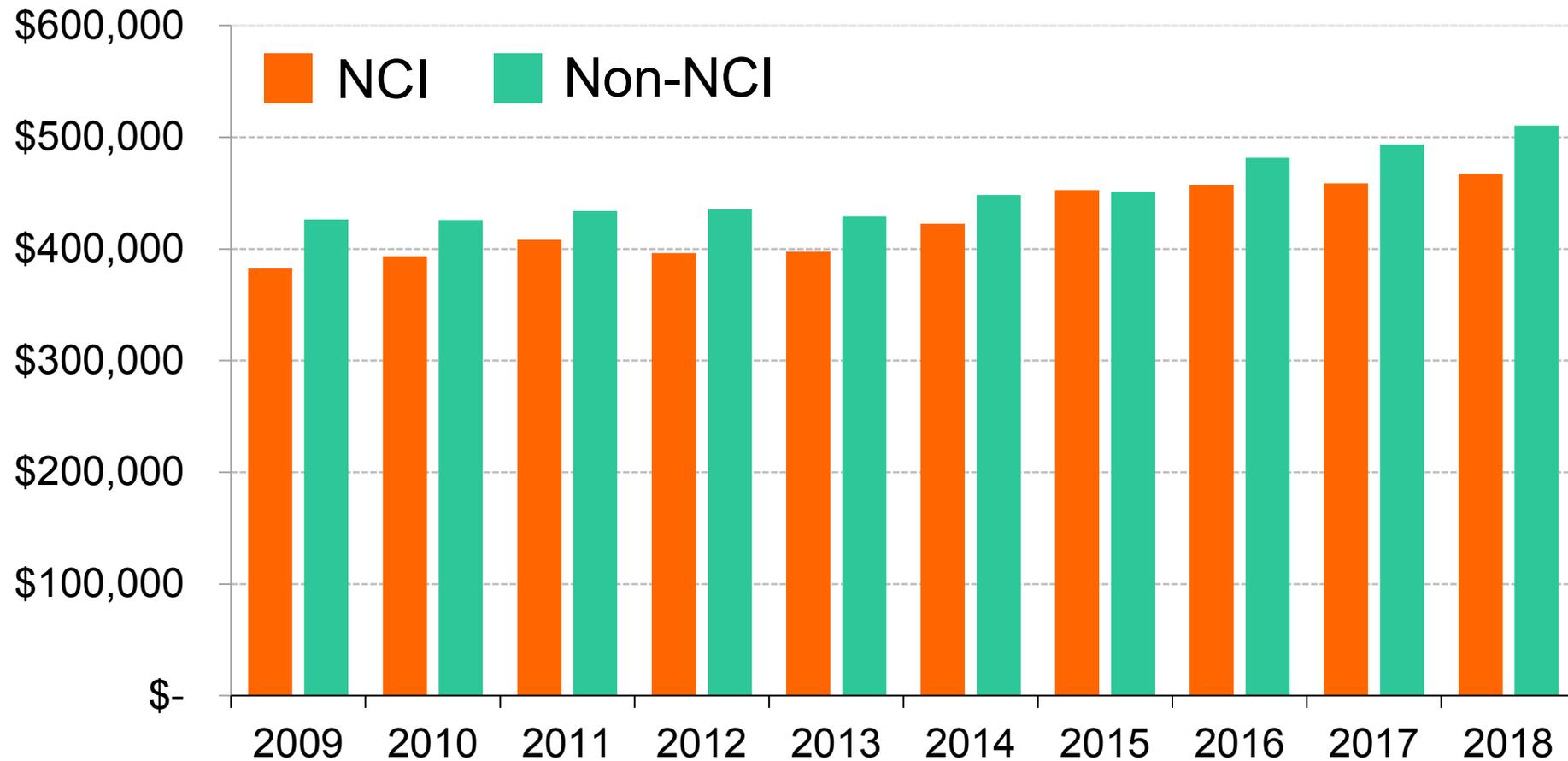
*Includes Cancer Moonshot/21<sup>st</sup> Century Cures Act funding and expenditures.*

# RPG Funds - FY 2018

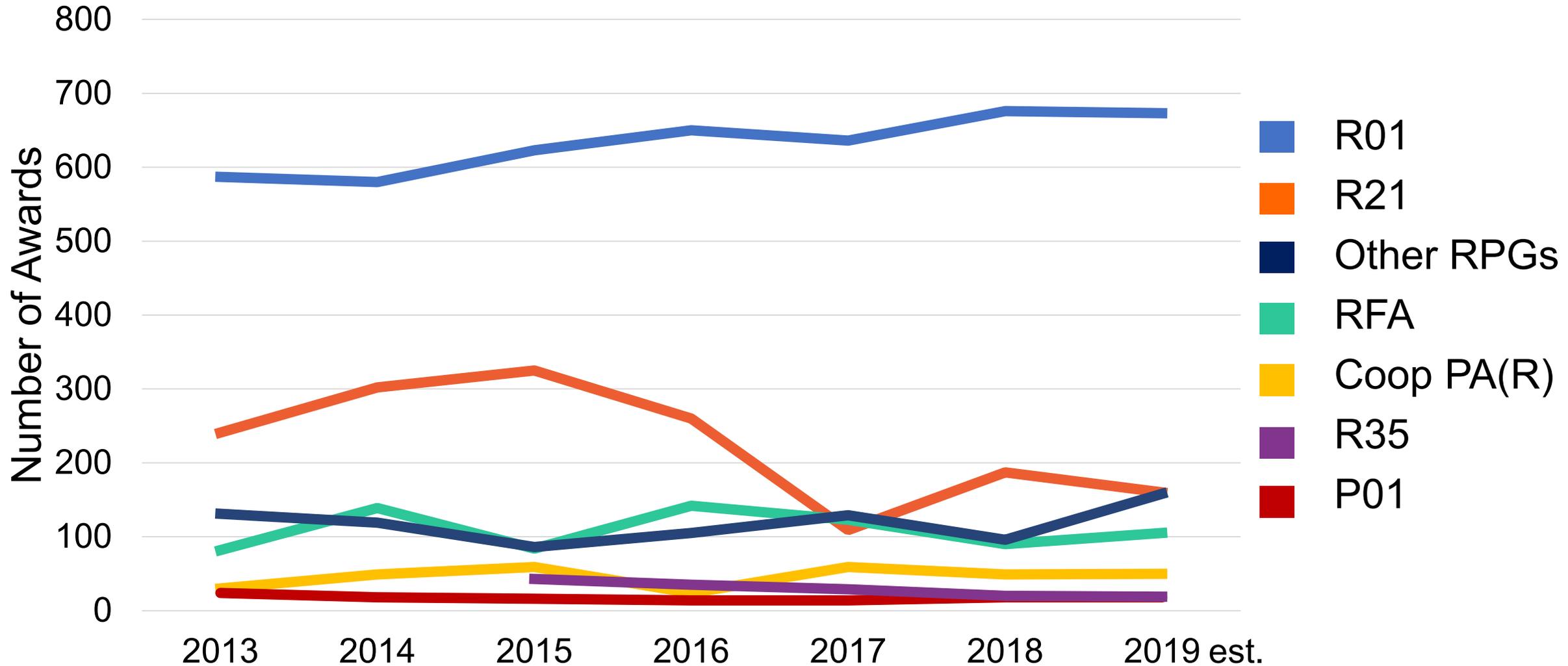


*Includes Cancer Moonshot/21<sup>st</sup> Century Cures Act funding and expenditures.*

# Average total award costs of competing R01s: *NCI awards are lower than non-NCI awards*

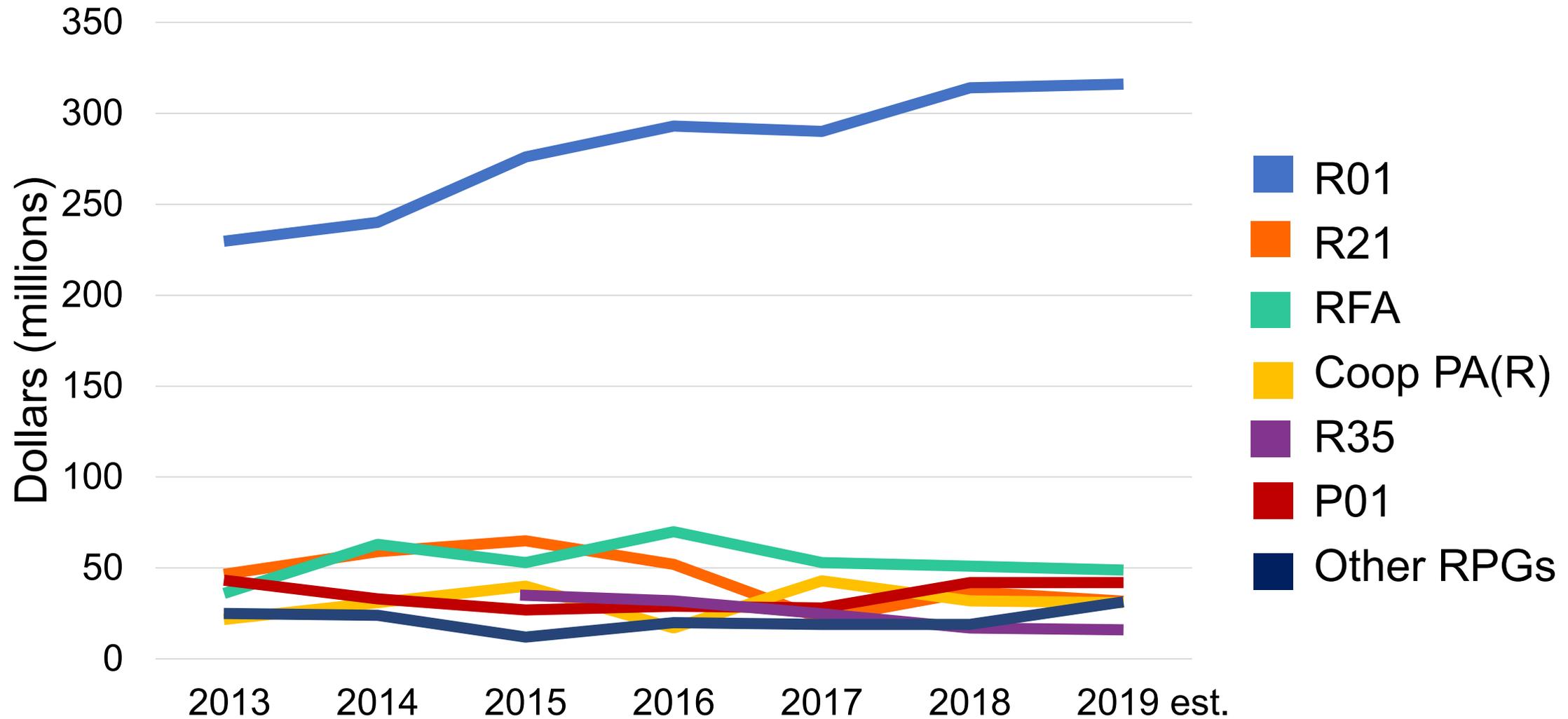


# 2013-2019 trends in number of RPG awards by mechanism



*R01 & R21 awards have had the largest changes*

# 2013-2019 trends in dollars for RPG awards by mechanism



*R01 & R21 awards have had the largest changes.*

# Funding Patterns for Competing Research Project Grants - FY14-18

2 R37s included in Other RPGs

	FY2014			FY2015			FY2016			FY2017			FY2018		
	Requested	Funded	Success Rate	Requested	Funded	Success Rate	Requested	Funded	Success Rate	Requested	Funded	Success Rate	Requested	Funded	Success Rate
R01/R37 – Unsolicited <sup>1</sup>	3,849	578	15%	4,550	623	14%	4,785	650	14%	5,263	650	12%	5,864	676	12%
R01 RFAs	391	51	13%	102	12	12%	240	45	19%	309	44	14%	249	35	14%
<b>Total R01/R37</b>	<b>4,240</b>	<b>629</b>	<b>15%</b>	<b>4,652</b>	<b>635</b>	<b>14%</b>	<b>5,025</b>	<b>695</b>	<b>14%</b>	<b>5,572</b>	<b>694</b>	<b>12%</b>	<b>6,113</b>	<b>711</b>	<b>12%</b>
R21 – Unsolicited	2,539	302	12%	2,864	325	11%	3,100	260	8%	1,513	109	7%	2,100	187	9%
R21 RFAs	397	53	13%	250	38	15%	283	35	12%	388	44	11%	310	26	8%
<b>Total R21</b>	<b>2,936</b>	<b>355</b>	<b>12%</b>	<b>3,114</b>	<b>363</b>	<b>12%</b>	<b>3,383</b>	<b>295</b>	<b>9%</b>	<b>1,901</b>	<b>153</b>	<b>8%</b>	<b>2,410</b>	<b>213</b>	<b>9%</b>
R35		-	-	224	43	19%	175	35	20%	141	29	21%	104	20	19%
R03 – Unsolicited	627	93	15%	582	67	12%	484	48	10%	714	90	13%	564	60	11%
Other RFAs <sup>2</sup>	226	35	15%	297	34	11%	285	62	22%	443	57	13%	338	54	16%
Other RPGs <sup>3</sup>	510	95	19%	656	94	14%	889	95	11%	933	116	12%	788	104	13%
<b>Total Competing RPGs:</b>	<b>8,539</b>	<b>1,207</b>	<b>14%</b>	<b>9,525</b>	<b>1,236</b>	<b>13%</b>	<b>10,241</b>	<b>1,230</b>	<b>12%</b>	<b>9,704</b>	<b>1,139</b>	<b>12%</b>	<b>10,317</b>	<b>1,162</b>	<b>11%</b>

<sup>1</sup>Funded R01s include competing revisions. In FY2018 64 R01s were converted to R37s.

<sup>2</sup>Other RFAs include UM1, R33, R03, R38, P01, U01, UH2 and UG3

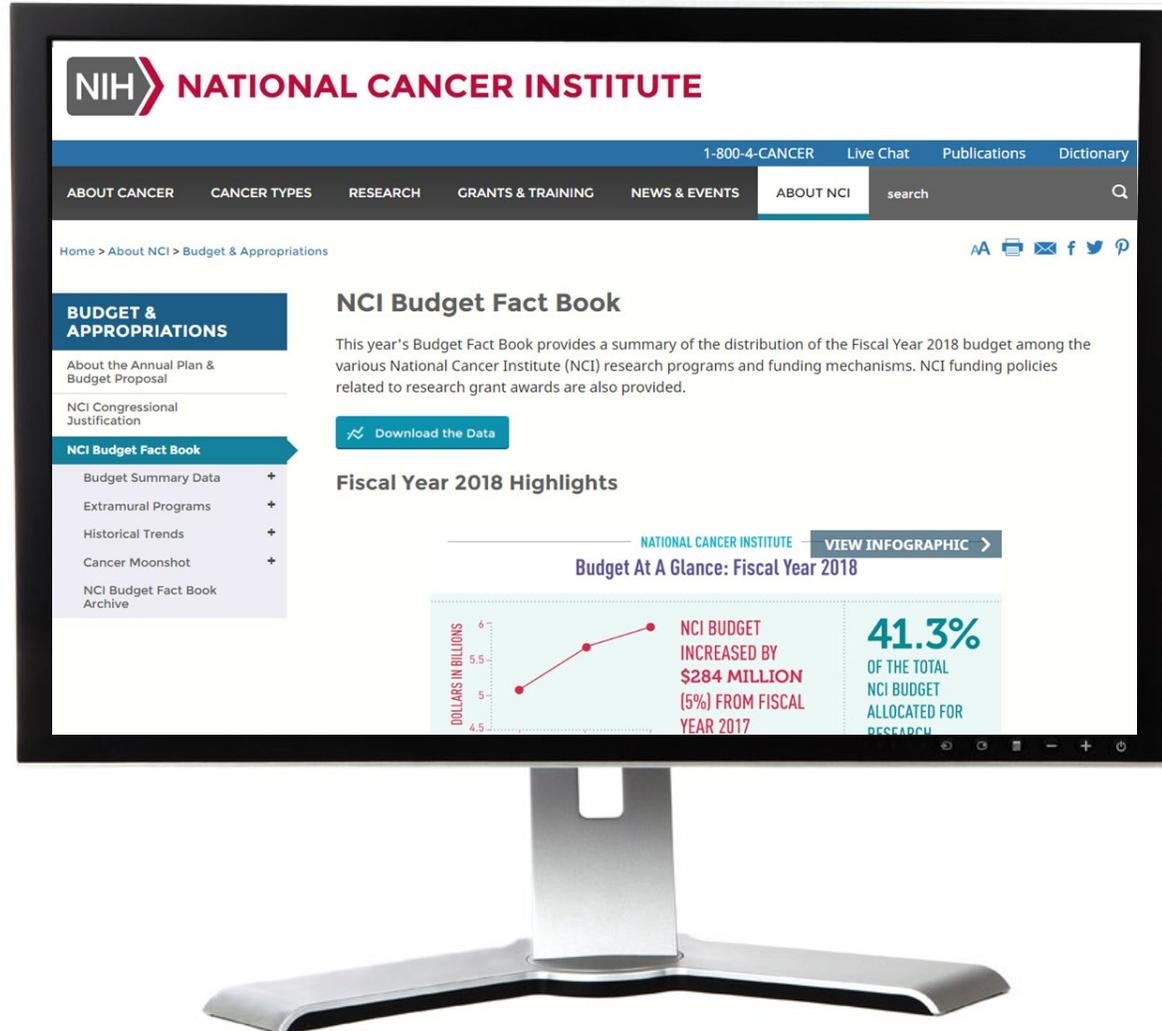
<sup>3</sup>Other RPGs include SI2, DP2, P01, R15, R50, R56, R00, U01, U19, UH2, UH3, R33, UM1 and UG3.

**Available online:**

[https://gsspubssl.nci.nih.gov/blog/articles?funding\\_patterns/2018](https://gsspubssl.nci.nih.gov/blog/articles?funding_patterns/2018)

# Want more data? NCI Budget Fact Book

cancer.gov > search: Fact book



- Funding Allocated to Major NCI Program Areas
- Extramural Funding
  - Displays the dollar amount and percent of NCI budget for grants and contracts.
- Obligations by Budget Mechanism and NCI Division
- NIH Management Fund, Service and Supply Fund, and GSA Rent
- Special Sources of Funds
- Funding for Research Areas

# Number of R01/R35 awards & RPG pool size (millions of dollars) – FY 13-18

	<b>FY13</b>	<b>FY14</b>	<b>FY15</b>	<b>FY16</b>	<b>FY17</b>	<b>FY18</b>
R21s	271	355	363	295	153	213
R01s	582	578	623	650	650	673
R35s	---	---	43	35	29	20
Total (R01s + R35s)	582	578	666	685	689	693
Competing RPG pool	\$404	\$450	\$508	\$513	\$514*	\$512
<b>Total RPG pool</b>	<b>\$1854</b>	<b>\$1858</b>	<b>\$1927</b>	<b>\$1967</b>	<b>\$2045*</b>	<b>\$2137</b>

*\*FY17 Includes \$34 million of first-year costs from Cancer Moonshot fully funded awards.*

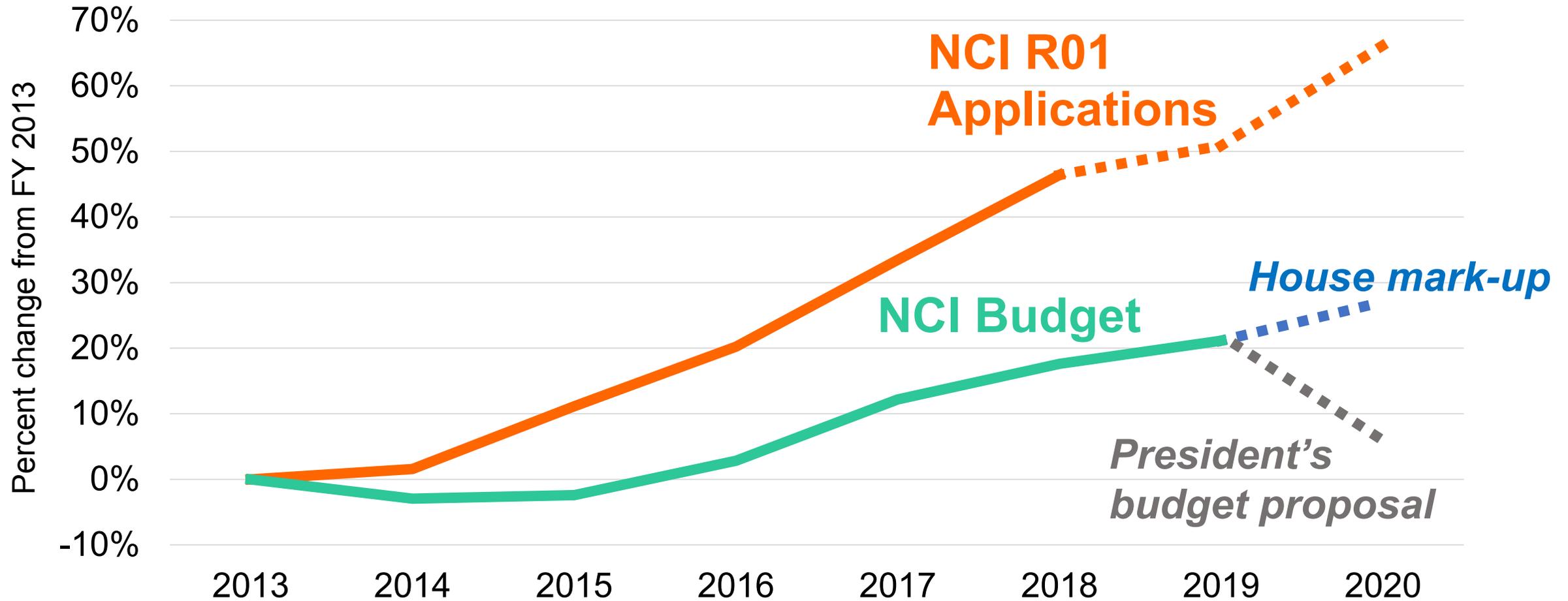
# Projected RPG pool size needed for commitments to continuing grants: 3 scenarios

	FY18	FY19 est.	FY 20 est.	FY 21 est.	Commitment to continuing grants	Add'l funds needed
Total competing pool	\$512	\$515	\$515	\$515	<b>100%</b>	<b>\$165M</b>
Total RPG pool	\$2137	\$2235	\$2341	\$2397		

Total competing pool	\$512	\$515	\$515	\$515	<b>97%</b>	<b>\$108M</b>
Total RPG pool	\$2137	\$2235	\$2288	\$2343		

Total competing pool	\$512	\$515	\$515	\$515	<b>92%</b>	<b>\$18M</b>
Total RPG pool	\$2137	\$2235	\$2201	\$2253		

# Going Forward: Sustaining Support for RPGs





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