

**Supplemental Table 1: Total new K awards 2008-2017**

	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017
<b>K01</b>	176	151	192	155	168	161	202	207	212	203
<b>K08</b>	228	240	215	176	164	128	168	182	183	195
<b>K23</b>	213	225	208	202	200	177	200	205	205	217
<b>K99</b>	178	203	191	180	212	211	245	209	230	235

**Supplemental Table 2: Annual K to R01 conversions**

<b>K01</b>	<b>Total awarded K01</b>	<b>#R01 Y1*</b>	<b>#R01 Y2</b>	<b>#R01 Y3</b>	<b>#R01 Y4</b>	<b>#R01 Y5</b>	<b>Total Conversions (person) Y1-5</b>	<b>#R01 Y6+7</b>	<b>Total Conversions (person) Y1-7</b>
2008	176	1	2	12	6	15	36	17	53
2009	151	2	1	5	9	15	32	12	44
2010	192	2	1	7	9	24	43	24	67
2011	155	0	3	8	12	15	38	na**	na
2012	168	0	1	2	12	24	35	na	na
<b>K08</b>	<b>Total awarded K08</b>	<b>#R01 Y1</b>	<b>#R01 Y2</b>	<b>#R01 Y3</b>	<b>#R01 Y4</b>	<b>#R01 Y5</b>	<b>Total Conversions (person) Y1-5</b>	<b>#R01 Y6+7</b>	<b>Total Conversions (person) Y1-7</b>
2008	228	0	4	13	17	19	53	26	79
2009	240	2	7	6	11	17	43	38	81
2010	215	1	1	8	19	18	47	45	92
2011	176	0	1	6	18	22	47	na	na
2012	164	0	3	5	17	15	40	na	na
<b>K23</b>	<b>Total Awarded K23</b>	<b>#R01 Y1</b>	<b>#R01 Y2</b>	<b>#R01 Y3</b>	<b>#R01 Y4</b>	<b>#R01 Y5</b>	<b>Total Conversions (person) Y1-5</b>	<b>#R01 Y6+7</b>	<b>Total Conversions (person) Y1-7</b>
2008	213	1	2	8	21	15	47	21	68
2009	225	2	0	2	14	16	34	27	61
2010	208	0	1	5	14	19	39	27	66
2011	202	1	2	4	10	11	28	na	na
2012	200	0	2	10	8	32	52	na	na
<b>K99</b>	<b>Total awarded K99</b>	<b>#R01 Y1</b>	<b>#R01 Y2</b>	<b>#R01 Y3</b>	<b>#R01 Y4</b>	<b>#R01 Y5</b>	<b>Total Conversions (person) Y1-5</b>	<b>#R01 Y6+7</b>	<b>Total Conversions (person) Y1-7</b>
2008	178	0	1	9	13	33	56	32	88
2009	203	1	5	10	11	26	53	36	89
2010	191	0	3	16	19	22	60	40	100
2011	180	0	2	4	13	27	46	na	na
2012	212	0	1	8	37	32	78	na	na

\*Y, year; na, not applicable since 2018 and 2019 data is not available

**Supplemental Table 3: Success rates of R01-equivalent grants (2008-2017)**

Fiscal Year	Competing Continuations <sup>1</sup> by Submission Number <sup>2</sup>	R01-EQUIVALENT GRANTS <sup>1</sup>			
		Number of Applications Reviewed	Number of Applications Awarded	Success Rate	Total Funding
2008	First (Original) Submission (A0)	3,649	864	24%	\$378,676,961
2008	First Resubmission (A1)	1,923	890	46%	\$354,974,548
2008	Second Resubmission (A2)	993	605	61%	\$227,239,706
<b>2008</b>	<b>TOTAL</b>	<b>6,565</b>	<b>2,359</b>	<b>36%</b>	<b>\$960,891,215</b>
2009	First (Original) Submission (A0)	3,190	856	27%	\$364,080,600
2009	First Resubmission (A1)	1,880	764	41%	\$300,372,719
2009	Second Resubmission (A2)	1,249	681	55%	\$259,586,392
2009	Third Resubmission (A3)	2	0	0%	\$0
<b>2009</b>	<b>TOTAL</b>	<b>6,321</b>	<b>2,301</b>	<b>36%</b>	<b>\$924,039,711</b>
2010	First (Original) Submission (A0)	3,108	1,032	33%	\$453,836,896
2010	First Resubmission (A1)	1,739	767	44%	\$322,990,788
2010	Second Resubmission (A2)	930	471	51%	\$186,548,166
<b>2010</b>	<b>TOTAL</b>	<b>5,777</b>	<b>2,270</b>	<b>39%</b>	<b>\$963,375,850</b>
2011	First (Original) Submission (A0)	3,359	1,010	30%	\$433,007,908
2011	First Resubmission (A1)	1,417	658	46%	\$271,210,711
2011	Second Resubmission (A2)	457	157	34%	\$64,981,685
<b>2011</b>	<b>TOTAL</b>	<b>5,233</b>	<b>1,825</b>	<b>35%</b>	<b>\$769,200,304</b>
2012	First (Original) Submission (A0)	3,201	910	28%	\$392,676,039
2012	First Resubmission (A1)	1,687	838	50%	\$342,422,060
2012	Second Resubmission (A2)	2	1	50%	\$588,718
<b>2012</b>	<b>TOTAL</b>	<b>4,890</b>	<b>1,749</b>	<b>36%</b>	<b>\$735,686,817</b>
2013	First (Original) Submission (A0)	2,755	719	26%	\$310,767,843
2013	First Resubmission (A1)	1,876	804	43%	\$320,675,931
<b>2013</b>	<b>TOTAL</b>	<b>4,631</b>	<b>1,523</b>	<b>33%</b>	<b>\$631,443,774</b>
2014	First (Original) Submission (A0)	2,598	744	29%	\$329,801,806
2014	First Resubmission (A1)	1,739	817	47%	\$342,208,894
<b>2014</b>	<b>TOTAL</b>	<b>4,337</b>	<b>1,561</b>	<b>36%</b>	<b>\$672,010,700</b>
2015	First (Original) Submission (A0)	2,538	779	31%	\$356,162,385
2015	First Resubmission (A1)	1,749	723	41%	\$312,440,389
<b>2015</b>	<b>TOTAL</b>	<b>4,287</b>	<b>1,502</b>	<b>35%</b>	<b>\$668,602,774</b>
2016	First (Original) Submission (A0)	2,142	751	35%	\$369,845,997
2016	First Resubmission (A1)	1,643	645	39%	\$288,385,175
<b>2016</b>	<b>TOTAL</b>	<b>3,785</b>	<b>1,396</b>	<b>37%</b>	<b>\$658,231,172</b>
2017	First (Original) Submission (A0)	1,991	703	35%	\$340,315,993
2017	First Resubmission (A1)	1,372	577	42%	\$272,835,600
<b>2017</b>	<b>TOTAL</b>	<b>3,363</b>	<b>1,280</b>	<b>38%</b>	<b>\$613,151,593</b>

The table was derived from: [https://report.nih.gov/success\\_rates/index.aspx](https://report.nih.gov/success_rates/index.aspx). <sup>1</sup>R01-equivalent awards include DP2, R01, R23, R29, R37 and RF1 activity codes. The DP2 activity code was added in FY 2017. Not all of these activities may be in use by NIH every year

**Supplemental Table 4: Percent of awardees who converted to an R01 after 5 years at institutions different to where the K award was obtained**

	<b>2008</b>	<b>2009</b>	<b>2010</b>	<b>2011</b>	<b>2012</b>	<b>Mean %</b>
<b>K01</b>	19%	31%	37%	42%	43%	35
<b>K08</b>	19%	19%	26%	34%	25%	24
<b>K23</b>	13%	12%	15%	11%	23%	16
<b>K99</b>	64%	81%	90%	83%	82%	80

**Supplemental Table 5: State data for the K01, K08, K23 and K99 awards**

States	K01	% of Totals	States	K08	% of Totals	States	K23	% of Totals	States	K99	% of Totals
CA	114	14%	MA	169	17%	CA	144	14%	CA	214	22%
MA	111	13%	CA	148	14%	MA	126	12%	MA	186	19%
PA	68	8%	PA	88	9%	NY	106	10%	NY	89	9%
NY	60	7%	NY	85	8%	PA	88	8%	PA	53	5%
NC	45	5%	TX	50	5%	MD	80	8%	NC	43	4%
TX	37	4%	MD	46	4%	IL	52	5%	MD	35	4%
MD	34	4%	NC	44	4%	NC	42	4%	WA	32	3%
CO	30	4%	MO	41	4%	TX	36	3%	TX	29	3%
MI	30	4%	MI	39	4%	MI	32	3%	IL	25	3%
CT	27	3%	CT	37	4%	OH	29	3%	MI	22	2%
GA	26	3%	IL	35	3%	TN	28	3%	CT	20	2%
WA	24	3%	WA	32	3%	WA	28	3%	OH	19	2%
MO	20	2%	OH	29	3%	CO	23	2%	OR	19	2%
FL	19	2%	TN	21	2%	MO	23	2%	MO	18	2%
IL	19	2%	CO	20	2%	RI	21	2%	TN	16	2%
OH	17	2%	IA	19	2%	FL	20	2%	GA	16	2%
VA	15	2%	VA	14	1%	CT	19	2%	FL	13	1%
TN	13	2%	MN	13	1%	VA	18	2%	WI	12	1%
WI	12	1%	FL	10	1%	MN	16	2%	CO	11	1%
RI	11	1%	GA	10	1%	GA	16	2%	VA	9	1%
SC	11	1%	WI	9	1%	IN	13	1%	MN	9	1%
AL	9	1%	UT	8	1%	UT	12	1%	AL	9	1%
DC	9	1%	OR	8	1%	AL	11	1%	NJ	8	1%
NJ	8	1%	RI	6	1%	WI	10	1%	IA	8	1%
IN	7	1%	IN	6	1%	OR	10	1%	UT	7	1%
LA	7	1%	KY	4	0%	IA	8	1%	KS	7	1%
UT	6	1%	NE	4	0%	DC	6	1%	SC	6	1%
IA	6	1%	SC	4	0%	NH	6	1%	IN	5	1%
KS	5	1%	AL	4	0%	SC	4	0%	NE	3	0%
KY	5	1%	VT	3	0%	KY	4	0%	KY	3	0%
NM	5	1%	NH	3	0%	NJ	3	0%	ME	3	0%
OR	5	1%	OK	2	0%	KS	3	0%	LA	3	0%
VT	5	1%	AK	2	0%	VT	2	0%	RI	3	0%
AZ	5	1%	DC	2	0%	AZ	2	0%	DC	2	0%
MN	4	0%	NJ	2	0%	LA	1	0%	AZ	2	0%
NH	3	0%	MS	2	0%	NE	1	0%	NM	2	0%
OK	3	0%	LA	1	0%	ND	1	0%	NH	1	0%
MS	2	0%	AZ	1	0%	NM	1	0%	MT	1	0%
HI	2	0%	SD	1	0%	PR	1	0%	NV	1	0%
MT	1	0%	KS	1	0%	WV	1	0%			
ME	1	0%				HI	1	0%			
NE	1	0%									
<b>Totals</b>	<b>842</b>			<b>1023</b>			<b>1048</b>			<b>964</b>	

**Supplemental Table 6: State data for the individual K to R01 5-year conversions**

States	K01 ⇒R	% of Totals	States	K08 ⇒R	% of Totals	States	K23 ⇒R	% of Totals	States	K99 ⇒R	% of Totals
PA	23	13%	MA	33	14%	CA	34	17%	CA	39	13%
CA	22	12%	CA	31	13%	MA	21	11%	MA	34	12%
MA	19	10%	NY	22	10%	NY	20	10%	NY	32	11%
NY	14	8%	MI	20	9%	MD	19	10%	TX	21	7%
MD	10	5%	CT	16	7%	PA	17	9%	PA	19	6%
MI	10	5%	PA	14	6%	NC	11	6%	OH	13	4%
NC	10	5%	MO	14	6%	IL	10	5%	IL	12	4%
CT	8	4%	NC	11	5%	MI	7	4%	MI	12	4%
CO	7	4%	MD	10	4%	TX	5	3%	NC	10	3%
TN	6	3%	TX	8	3%	WA	5	3%	WA	9	3%
TX	5	3%	OH	6	3%	MO	5	3%	AL	8	3%
NJ	5	3%	WA	6	3%	CT	4	2%	MO	7	2%
WA	4	2%	CO	6	3%	IN	4	2%	AZ	6	2%
SC	4	2%	IL	5	2%	TN	4	2%	FL	6	2%
FL	4	2%	MN	4	2%	RI	3	2%	CT	6	2%
WI	3	2%	TN	4	2%	AL	3	2%	IN	5	2%
IL	3	2%	IA	4	2%	VA	3	2%	UT	5	2%
UT	2	1%	FL	3	1%	FL	3	2%	GA	5	2%
RI	2	1%	WI	2	1%	MN	3	2%	MD	5	2%
GA	2	1%	OK	2	1%	CO	3	2%	MN	4	1%
AL	2	1%	GA	2	1%	GA	2	1%	OR	4	1%
MO	2	1%	SC	1	0%	SC	2	1%	NJ	4	1%
VA	2	1%	MS	1	0%	WI	2	1%	IA	3	1%
OR	2	1%	VA	1	0%	OR	2	1%	CO	3	1%
OH	2	1%	LA	1	0%	NM	1	1%	SC	3	1%
KY	1	1%	IN	1	0%	VT	1	1%	TN	3	1%
MS	1	1%	AL	1	0%	IA	1	1%	VA	2	1%
IA	1	1%	UT	1	0%	OH	1	1%	WI	2	1%
DC	1	1%				KS	1	1%	LA	2	1%
MT	1	1%				KY	1	1%	ME	2	1%
NV	1	1%				UT	1	1%	RI	2	1%
IN	1	1%				NH	1	1%	KY	2	1%
MN	1	1%							VT	1	0%
OK	1	1%							KS	1	0%
NM	1	1%							AK	1	0%
NH	1	1%									
<b>Totals</b>	<b>184</b>			<b>230</b>			<b>200</b>			<b>293</b>	

**Supplemental Table 7: State data for combined all-K awards (2008-2012)**

States	Count	% of Totals	States	Count	% of Totals	States	Count	% of Totals	States	Count	% of Totals
CA	620	16.0%	OH	94	2.4%	UT	33	0.85%	NM	8	0.21%
MA	592	15.3%	CO	84	2.2%	IN	31	0.80%	OK	5	0.13%
NY	340	8.8%	TN	78	2.0%	SC	25	0.65%	ME	4	0.10%
PA	297	7.7%	GA	68	1.8%	NJ	21	0.54%	MS	4	0.10%
MD	195	5.0%	FL	62	1.6%	DC	19	0.49%	HI	3	0.08%
NC	174	4.5%	VA	56	1.4%	KS	16	0.41%	AK	2	0.05%
TX	152	3.9%	WI	43	1.1%	KY	16	0.41%	MT	2	0.05%
IL	131	3.4%	MN	42	1.1%	NH	13	0.34%	ND	1	0.03%
MI	123	3.2%	OR	42	1.1%	LA	12	0.31%	NV	1	0.03%
WA	116	3.0%	IA	41	1.1%	AZ	10	0.26%	PR	1	0.03%
CT	103	2.7%	RI	41	1.1%	VT	10	0.26%	SD	1	0.03%
MO	102	2.6%	AL	33	0.85%	NE	9	0.23%	WV	1	0.03%
<b>Total K (K01+K08+K23+K99) Awards (derived from Supplemental Table 5) = 3877 (100%)</b>											

**Supplemental Table 8: State data for combined all K-to-R01 5-year award conversions**

States	Count	% of Totals	States	Count	% of Totals	States	Count	% of Totals
CA	126	13.9%	TN	17	1.9%	AZ	6	0.66%
MA	107	11.8%	FL	16	1.8%	KY	4	0.44%
NY	88	9.7%	AL	14	1.5%	LA	3	0.33%
PA	73	8.1%	MN	12	1.3%	OK	3	0.33%
MI	49	5.4%	GA	11	1.2%	KS	2	0.22%
MD	44	4.9%	IN	11	1.2%	ME	2	0.22%
NC	42	4.6%	SC	10	1.1%	MS	2	0.22%
TX	39	4.3%	IA	9	0.99%	NH	2	0.22%
CT	34	3.8%	NJ	9	0.99%	NM	2	0.22%
IL	30	3.3%	UT	9	0.99%	VT	2	0.22%
MO	28	3.1%	WI	9	0.99%	AK	1	0.11%
WA	24	2.7%	OR	8	0.88%	DC	1	0.11%
OH	22	2.4%	VA	8	0.88%	MT	1	0.11%
CO	19	2.1%	RI	7	0.77%	NV	1	0.11%
<b>Total K-to-R01 Awards (combined for all the K's) = 907 (100%)</b>								
<b>[derived from Supplemental Table 6]</b>								

**Supplemental Table 9: K award success rates**

Year	K01	K08	K23	K99
2008	39%	44%	38%	23%
2009	36%	47%	44%	29%
2010	40%	44%	38%	25%
2011	34%	42%	34%	22%
2012	32%	42%	37%	23%
<b>Average</b>	<b>36.2%</b>	<b>43.8%</b>	<b>38.2%</b>	<b>24.4%</b>