

**Table 57. Federal obligations to intramural performers
for research and development, by State:
fiscal years 1970-2000**

[Dollars in thousands]

Page 1 of 8

State	1970	1971	1972	1973	1974	1975	1976	1977
Total	3,729,433	4,045,757	4,364,064	4,465,431	4,654,268	5,212,411	5,511,784	5,829,196
Alabama	176,435	199,255	200,739	210,088	230,508	246,266	243,246	263,594
Alaska	10,849	16,852	13,071	16,320	11,381	21,123	22,636	22,283
Arizona	31,606	30,991	27,649	36,630	28,721	35,970	36,199	39,396
Arkansas	1,072	1,676	4,993	8,433	7,177	13,393	17,203	15,594
California	547,625	508,651	540,824	611,255	624,789	708,793	765,879	688,013
Colorado	41,189	58,472	51,363	53,174	45,250	53,057	64,671	106,159
Connecticut	27,919	5,997	8,058	9,578	9,499	10,308	9,271	12,186
Delaware	780	509	328	21,052	569	980	838	774
District of Columbia	326,455	344,374	330,326	327,084	395,451	421,107	417,598	475,044
Florida	321,497	357,914	350,064	329,459	340,347	415,915	422,373	416,824
Georgia	21,943	26,858	26,608	25,715	26,003	29,681	40,161	47,099
Hawaii	9,231	6,473	8,112	8,052	14,540	6,568	13,914	6,700
Idaho	4,661	4,868	4,968	5,282	5,239	6,533	7,041	8,437
Illinois	27,253	30,773	37,836	43,856	39,927	50,456	47,641	56,586
Indiana	14,016	7,251	9,043	9,836	12,276	17,574	23,306	23,343
Iowa	5,976	5,827	6,243	6,151	7,075	7,729	8,359	10,431
Kansas	2,495	2,750	3,837	3,857	3,339	3,795	6,334	4,578
Kentucky	9,237	7,653	18,748	22,345	14,534	12,461	8,279	11,255
Louisiana	19,010	17,677	17,159	18,341	7,247	22,397	25,562	27,010
Maine	3,504	2,208	2,753	1,618	1,300	2,065	1,770	2,105
Maryland	659,019	747,208	826,770	901,761	947,668	1,027,076	1,156,705	1,273,876
Massachusetts	116,626	176,453	189,763	153,955	190,576	229,907	196,381	192,567
Michigan	25,111	20,302	24,478	23,590	27,431	34,479	30,355	32,716
Minnesota	7,988	9,872	9,753	8,746	9,550	9,775	12,667	17,424
Mississippi	16,918	19,892	39,773	30,787	51,293	33,827	41,049	60,149
Missouri	15,900	26,418	10,618	18,067	16,641	17,174	23,766	23,690
Montana	5,827	6,783	7,454	8,568	6,985	11,784	12,879	14,781
Nebraska	2,317	3,321	3,062	3,337	4,026	5,467	6,301	7,440
Nevada	35,302	37,430	36,521	38,627	25,605	37,883	38,236	43,235
New Hampshire	4,236	3,638	6,970	7,055	6,463	4,244	6,904	7,538
New Jersey	152,773	143,572	185,943	119,718	117,133	124,621	134,910	208,369
New Mexico	138,774	168,626	163,977	180,409	186,548	187,183	195,291	190,974
New York	77,786	73,869	78,912	78,612	79,528	89,343	87,519	91,767
North Carolina	12,963	30,386	18,531	38,147	36,604	44,810	49,672	57,278
North Dakota	4,772	5,301	5,783	5,518	6,720	7,805	8,169	11,206
Ohio	204,982	226,896	244,836	250,025	244,189	291,318	289,788	319,306
Oklahoma	12,164	7,766	10,096	12,227	9,908	12,837	10,042	21,060
Oregon	8,338	12,216	14,905	24,087	21,228	35,177	36,194	28,923
Pennsylvania	103,077	98,612	137,549	106,452	123,090	124,631	160,201	170,962
Rhode Island	11,553	27,367	38,088	30,760	36,157	36,762	61,900	72,615
South Carolina	2,739	5,718	3,248	3,182	4,303	4,983	6,879	11,373
South Dakota	1,743	1,999	2,162	4,253	5,532	2,628	1,862	2,111
Tennessee	9,233	9,733	7,115	13,895	9,399	28,999	27,935	21,110
Texas	170,034	176,723	183,764	188,811	198,301	214,294	239,180	211,381
Utah	21,712	22,895	21,109	27,132	20,146	22,457	24,894	25,286
Vermont	557	716	1,990	866	946	1,265	1,164	903
Virginia	218,282	266,523	342,427	330,447	344,297	381,149	363,979	345,022

See explanatory information, if any, and SOURCE at end of table.

**Table 57. Federal obligations to intramural performers
for research and development, by State:
fiscal years 1970-2000**

[Dollars in thousands]

Page 2 of 8

State	1970	1971	1972	1973	1974	1975	1976	1977
Washington	18,836	17,430	20,770	16,858	25,224	24,105	24,524	44,290
West Virginia	5,818	7,892	7,804	9,223	10,563	12,778	15,872	20,292
Wisconsin	9,335	8,279	9,468	9,496	10,063	11,251	12,632	15,137
Wyoming	4,224	4,755	5,289	6,218	6,502	10,065	13,924	14,471
Outlying areas	4,397	6,362	7,971	8,113	6,515	15,044	8,217	9,820
Puerto Rico	NA	NA	NA	NA	NA	NA	NA	NA
Other areas	NA	NA	NA	NA	NA	NA	NA	NA
Offices abroad	43,344	33,775	34,443	38,363	39,962	31,119	29,512	24,707

See explanatory information, if any, and SOURCE at end of table.

**Table 57. Federal obligations to intramural performers
for research and development, by State:
fiscal years 1970-2000**

[Dollars in thousands]

Page 3 of 8

State	1978	1979	1980	1981	1982	1983	1984	1985
Total	6,524,462	7,050,495	7,313,463	8,050,337	8,784,276	10,211,096	11,177,916	12,500,403
Alabama	279,801	345,953	270,868	286,545	322,751	407,454	383,319	461,589
Alaska	22,301	23,089	21,650	25,898	21,215	22,654	26,215	29,943
Arizona	44,898	61,608	117,403	128,982	67,759	234,230	86,155	100,212
Arkansas	23,418	23,168	14,213	14,897	25,741	16,768	19,742	21,801
California	838,118	929,853	860,457	968,248	1,181,326	1,143,229	1,159,013	1,175,115
Colorado	106,106	81,438	94,154	98,327	83,391	91,848	100,756	107,846
Connecticut	14,641	17,745	15,904	17,357	14,501	170,401	129,754	139,331
Delaware	907	1,273	5,801	922	966	1,050	2,073	2,520
District of Columbia	604,722	527,230	578,632	700,988	716,812	990,023	1,354,291	1,530,106
Florida	389,479	350,570	376,147	481,495	769,446	339,614	328,926	362,098
Georgia	54,173	65,375	63,800	58,287	70,338	64,627	60,791	84,894
Hawaii	8,802	7,582	7,626	13,738	10,703	29,365	16,552	17,682
Idaho	18,243	9,038	8,194	9,482	10,125	9,557	11,344	12,709
Illinois	48,337	47,552	51,780	50,627	53,489	54,819	68,686	84,491
Indiana	24,453	31,076	35,113	39,172	44,343	49,483	55,584	48,926
Iowa	11,459	11,940	12,292	12,466	13,339	15,135	17,953	19,791
Kansas	4,529	4,185	4,178	5,754	7,062	8,028	7,063	7,823
Kentucky	14,887	16,123	18,546	18,407	16,149	23,975	24,258	30,934
Louisiana	29,984	30,260	32,445	36,644	37,692	35,481	33,113	33,599
Maine	5,487	2,797	3,656	4,841	3,622	2,261	3,390	2,993
Maryland	1,316,003	1,480,541	1,615,053	1,748,116	1,970,714	2,149,351	2,544,982	2,914,771
Massachusetts	179,997	242,199	183,142	233,674	239,069	147,282	138,490	177,792
Michigan	50,590	54,436	57,335	50,528	44,767	56,478	78,984	76,029
Minnesota	18,809	20,926	21,522	23,326	24,232	27,310	26,633	31,251
Mississippi	54,488	56,304	66,688	72,610	87,509	140,602	109,259	122,490
Missouri	27,988	42,713	30,111	29,159	30,131	31,796	42,020	42,305
Montana	16,698	16,922	15,315	19,738	17,944	16,312	17,181	17,508
Nebraska	12,895	7,748	7,574	9,231	10,013	10,253	11,745	12,514
Nevada	34,782	33,988	33,977	32,481	63,035	366,287	79,253	79,904
New Hampshire	9,962	13,578	13,812	13,626	15,720	24,985	23,560	35,791
New Jersey	181,738	231,783	295,792	292,879	282,111	548,834	801,493	893,857
New Mexico	216,106	211,800	145,717	222,961	257,217	716,293	884,364	1,024,638
New York	123,208	112,708	124,024	112,225	128,801	57,685	59,922	86,176
North Carolina	71,368	86,055	81,243	101,136	114,012	108,477	121,400	136,281
North Dakota	15,562	18,430	22,830	23,391	16,755	18,611	15,349	16,342
Ohio	449,860	477,706	499,732	551,542	481,204	297,152	441,011	534,503
Oklahoma	37,955	35,953	54,177	45,652	26,213	28,737	21,848	25,972
Oregon	32,143	33,179	29,477	32,040	33,484	31,464	34,356	35,335
Pennsylvania	172,078	214,615	271,991	294,177	234,405	262,172	242,546	238,331
Rhode Island	77,482	93,726	95,778	129,913	177,806	201,789	223,426	227,493
South Carolina	12,475	14,100	7,962	12,143	9,529	9,532	14,544	20,060
South Dakota	2,097	2,975	2,309	2,619	5,204	6,516	6,444	6,651
Tennessee	65,923	50,284	64,700	75,664	76,569	15,325	66,472	83,213
Texas	207,186	201,809	168,429	196,075	232,771	229,079	229,273	249,018
Utah	27,115	34,439	39,894	43,107	50,299	45,968	50,940	71,733
Vermont	2,697	923	1,949	1,037	993	1,891	1,938	2,497
Virginia	398,655	461,132	470,811	436,804	503,562	734,397	824,110	867,341

See explanatory information, if any, and SOURCE at end of table.

**Table 57. Federal obligations to intramural performers
for research and development, by State:
fiscal years 1970-2000**

[Dollars in thousands]

Page 4 of 8

State	1978	1979	1980	1981	1982	1983	1984	1985
Washington	43,994	47,719	67,252	78,442	66,264	94,546	83,739	100,002
West Virginia	43,929	70,004	104,862	95,553	38,801	48,900	29,253	29,715
Wisconsin	15,983	15,446	17,448	19,250	18,844	20,315	24,019	25,166
Wyoming	30,523	29,434	41,165	49,100	18,143	19,392	6,448	7,385
Outlying areas	6,357	7,430	15,941	14,301	22,516	19,048	22,950	23,291
Puerto Rico	NA	NA	NA	NA	NA	NA	NA	NA
Other areas	NA	NA	NA	NA	NA	NA	NA	NA
Offices abroad	23,071	41,635	52,592	14,760	14,869	14,315	10,986	10,645

See explanatory information, if any, and SOURCE at end of table.

**Table 57. Federal obligations to intramural performers
for research and development, by State:
fiscal years 1970-2000**

[Dollars in thousands]

State	1986	1987	1988	1989	1990	1991	1992	1993
Total	13,144,647	12,975,041	13,632,234	14,557,203	15,348,806	14,653,185	15,056,520	15,916,624
Alabama	477,481	584,230	537,875	568,243	626,896	700,617	861,074	833,137
Alaska	31,393	32,840	33,543	51,178	58,515	58,705	47,330	47,833
Arizona	93,371	83,236	100,228	118,284	116,475	132,341	217,969	206,067
Arkansas	24,264	24,196	25,895	25,071	52,198	35,180	33,974	40,657
California	1,480,495	2,011,033	1,858,226	2,478,100	2,635,494	1,885,275	1,898,051	1,785,138
Colorado	100,232	132,807	100,414	116,787	309,705	275,312	202,764	169,821
Connecticut	75,394	17,719	34,221	37,810	35,690	46,602	44,075	52,905
Delaware	2,464	2,874	3,349	3,133	3,943	8,605	7,467	12,053
District of Columbia	1,519,474	1,208,569	1,532,091	1,521,715	1,221,184	1,432,998	1,592,117	1,712,811
Florida	413,102	719,058	574,497	642,074	691,833	657,605	541,026	607,692
Georgia	87,076	96,266	134,166	157,925	112,935	121,008	125,058	159,002
Hawaii	18,499	23,218	32,841	36,400	32,384	44,537	41,919	41,703
Idaho	16,073	15,342	15,778	18,785	23,455	36,666	25,228	37,396
Illinois	61,910	72,532	61,090	59,321	63,948	68,151	63,479	83,136
Indiana	53,236	64,245	49,619	74,520	79,623	92,036	93,901	77,330
Iowa	19,326	20,217	20,390	20,447	24,099	26,977	28,606	30,424
Kansas	8,371	9,073	11,085	9,034	9,722	11,961	11,492	12,198
Kentucky	27,182	26,692	30,973	31,159	51,455	62,279	14,127	15,728
Louisiana	34,606	34,619	27,987	36,410	38,403	43,104	42,501	42,557
Maine	2,349	5,493	3,734	4,394	4,684	13,862	11,053	13,003
Maryland	3,095,850	2,507,828	2,758,231	2,915,588	3,054,063	3,332,276	3,371,402	4,116,718
Massachusetts	205,383	575,855	393,090	401,091	360,484	277,787	362,532	383,885
Michigan	82,032	87,364	47,270	71,349	129,491	91,833	72,203	95,717
Minnesota	29,073	26,388	27,054	31,036	33,528	40,468	44,403	40,129
Mississippi	97,088	127,489	121,980	130,448	143,837	157,156	177,002	162,622
Missouri	51,316	46,007	42,703	58,176	50,877	71,220	55,440	51,288
Montana	16,235	17,763	20,867	20,877	12,662	26,133	26,372	27,075
Nebraska	18,614	21,899	23,905	22,074	24,276	21,920	23,388	24,730
Nevada	93,374	76,509	80,536	77,198	106,204	108,614	89,709	71,044
New Hampshire	27,933	19,006	12,383	21,510	23,626	88,342	22,552	88,839
New Jersey	942,624	255,275	365,885	429,755	430,850	512,928	645,109	509,310
New Mexico	962,129	420,821	674,443	593,878	662,682	392,967	479,363	503,783
New York	51,545	160,073	62,214	89,334	64,764	173,988	121,162	131,440
North Carolina	131,280	129,508	122,864	59,738	74,662	150,956	153,828	174,294
North Dakota	16,979	20,343	20,887	20,217	22,257	23,938	25,960	27,220
Ohio	563,145	991,290	1,049,094	1,055,523	1,110,904	688,926	628,556	583,033
Oklahoma	28,598	33,729	49,957	46,083	46,239	40,970	33,648	34,311
Oregon	32,144	31,517	36,471	42,199	42,002	47,486	48,990	50,795
Pennsylvania	290,207	284,237	280,319	274,016	293,411	315,003	317,828	353,951
Rhode Island	258,919	239,969	224,004	195,920	231,006	226,367	223,108	184,784
South Carolina	13,016	11,527	16,494	59,660	18,560	13,955	34,983	38,208
South Dakota	7,172	5,685	5,721	5,563	6,795	9,470	10,863	13,236
Tennessee	99,330	125,890	142,715	135,383	234,661	123,708	81,386	86,547
Texas	261,456	340,803	355,931	464,111	492,993	405,267	476,799	467,760
Utah	70,578	99,166	70,043	66,414	131,848	103,269	148,171	140,556
Vermont	7,089	3,710	3,152	4,404	4,371	5,122	4,908	5,601
Virginia	909,289	883,844	1,176,956	1,017,754	1,024,647	1,107,423	1,178,827	1,226,598

See explanatory information, if any, and SOURCE at end of table.

**Table 57. Federal obligations to intramural performers
for research and development, by State:
fiscal years 1970-2000**

[Dollars in thousands]

State	1986	1987	1988	1989	1990	1991	1992	1993
Washington	131,493	122,468	131,160	111,220	197,125	132,503	121,654	113,263
West Virginia	48,354	56,605	44,273	63,239	60,082	76,078	31,645	93,059
Wisconsin	24,927	21,745	28,061	26,945	30,692	32,321	37,650	38,190
Wyoming	8,291	8,146	8,324	8,519	8,360	9,339	9,799	10,068
Outlying areas	10,400	9,344	10,002	10,036	9,715	74,924	75,423	71,772
Puerto Rico	NA	NA	NA	NA	NA	NA	NA	NA
Other areas	NA	NA	NA	NA	NA	NA	NA	NA
Offices abroad	12,486	28,979	37,243	17,155	18,491	16,707	18,646	16,207

See explanatory information, if any, and SOURCE at end of table.

**Table 57. Federal obligations to intramural performers
for research and development, by State:
fiscal years 1970-2000**

[Dollars in thousands]

Page 7 of 8

State	1994	1995	1996	1997	1998	1999	2000
Total	15,509,387	16,363,955	15,967,265	16,148,245	16,552,166	17,446,536	16,519,041
Alabama	775,544	635,505	738,254	660,047	752,951	771,923	664,981
Alaska	64,966	60,554	57,988	38,381	44,010	53,287	75,446
Arizona	165,033	169,709	149,950	143,601	138,661	170,099	145,601
Arkansas	44,675	56,823	104,426	49,469	46,063	46,122	45,489
California	1,400,726	1,837,699	1,282,280	1,454,133	1,595,880	1,749,647	1,655,628
Colorado	196,169	167,148	178,799	195,364	202,493	238,003	241,771
Connecticut	43,055	17,699	26,572	32,731	18,316	17,883	19,373
Delaware	9,326	15,486	6,948	10,207	3,722	2,747	7,598
District of Columbia	1,677,580	2,066,518	1,845,375	1,732,539	1,717,704	1,912,131	1,717,461
Florida	585,886	552,878	620,939	649,376	750,420	763,344	573,140
Georgia	222,335	271,911	246,737	225,150	235,974	278,552	273,713
Hawaii	61,156	60,538	57,093	54,318	54,776	64,534	58,658
Idaho	29,373	27,801	25,472	24,092	25,042	27,448	21,722
Illinois	85,416	80,363	80,585	77,224	72,400	77,055	85,344
Indiana	96,071	60,850	75,603	68,272	38,395	54,903	71,630
Iowa	37,592	36,807	28,948	29,043	32,903	39,213	34,586
Kansas	15,157	12,305	13,763	15,622	24,757	35,743	20,162
Kentucky	8,049	5,853	6,022	7,289	6,591	9,146	7,500
Louisiana	49,604	44,253	46,075	47,910	84,493	58,976	99,196
Maine	3,882	4,247	4,296	5,685	11,017	4,975	4,755
Maryland	4,163,166	4,439,969	4,341,889	4,569,181	4,766,240	4,814,517	4,869,668
Massachusetts	341,397	315,316	300,198	361,118	301,376	240,059	259,172
Michigan	99,972	78,822	96,297	107,749	111,621	149,473	239,543
Minnesota	40,620	30,148	31,742	34,573	38,437	37,878	32,014
Mississippi	124,493	131,126	129,154	165,297	133,281	196,245	186,799
Missouri	58,262	55,454	50,779	50,526	48,544	48,097	43,851
Montana	28,782	33,562	29,780	33,199	33,101	42,816	35,344
Nebraska	27,942	22,766	21,114	23,741	29,008	28,769	25,082
Nevada	51,140	34,303	40,271	46,025	48,514	27,843	20,696
New Hampshire	32,599	30,921	28,523	36,861	34,328	28,353	35,717
New Jersey	438,937	342,982	454,707	459,286	392,590	486,722	417,685
New Mexico	381,366	457,026	438,313	366,253	395,908	409,886	320,838
New York	151,024	117,134	134,267	136,215	192,232	132,848	176,034
North Carolina	112,716	220,347	199,319	229,610	235,909	230,780	262,003
North Dakota	25,504	25,051	26,120	26,401	27,360	30,561	25,842
Ohio	585,982	598,660	587,005	681,170	698,255	604,957	615,458
Oklahoma	53,850	45,113	45,622	44,238	51,279	45,912	58,619
Oregon	60,178	55,843	82,344	90,017	87,950	89,369	88,618
Pennsylvania	332,027	226,016	153,983	151,216	133,069	168,382	151,955
Rhode Island	238,837	254,311	338,150	202,192	222,106	232,701	240,862
South Carolina	35,613	33,594	36,687	34,019	44,872	45,050	45,754
South Dakota	10,979	13,437	18,244	19,307	27,501	20,709	13,232
Tennessee	93,026	61,735	72,615	77,836	38,092	64,783	88,947
Texas	564,827	537,252	537,802	559,634	597,318	584,149	464,699
Utah	95,844	131,151	133,612	117,231	135,365	74,129	69,871
Vermont	3,379	4,711	6,564	7,400	4,313	4,065	3,599
Virginia	1,374,804	1,428,595	1,570,580	1,654,696	1,480,647	1,793,639	1,454,388

See explanatory information, if any, and SOURCE at end of table.

**Table 57. Federal obligations to intramural performers
for research and development, by State:
fiscal years 1970-2000**

[Dollars in thousands]

Page 8 of 8

State	1994	1995	1996	1997	1998	1999	2000
Washington	149,445	159,721	198,909	167,356	183,853	191,104	258,718
West Virginia	95,891	133,218	101,957	86,663	96,845	116,330	102,958
Wisconsin	40,576	40,049	37,827	42,606	38,021	41,110	37,816
Wyoming	8,366	8,678	9,806	8,720	11,991	15,508	7,298
Outlying areas	94,894	93,732	96,116	18,464	40,238	55,157	24,075
Puerto Rico	7,216	7,163	8,076	11,011	7,476	8,548	9,125
Other areas	87,678	86,569	88,040	7,453	32,762	46,609	14,950
Offices abroad	21,354	18,265	20,844	18,992	15,434	18,904	18,132

KEY: NA = Not applicable (indicates that the data collected for this table were not recorded at that level for that particular fiscal year)

NOTES: Only the following 10 agencies are required to report to this section of the survey: the Departments of Agriculture, Commerce, Defense, Energy, Health & Human Services, Interior, and Transportation; the Environmental Protection Agency; the National Aeronautics and Space Administration; and the National Science Foundation. The obligations of the 10 major R&D-supporting agencies included in this table represent approximately 96 percent of total Federal R&D obligations in fiscal year 2000.

Although the non-geographic historical tables incorporate corrections to previously reported data that have been submitted by the reporting agencies, corresponding corrections to the geographic distributions are rarely obtainable.

Beginning in the fiscal year 2000, the National Institutes of Health classified all of its development activities as research.

Beginning in fiscal year 2000, the National Aeronautics & Space Administration reclassified Space Station as a physical asset and Space Station Research as equipment, and transferred funding for the program from R&D to R&D plant.

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Federal Funds for Research and Development: Fiscal Years 2000, 2001, and 2002