

**Table 59. Federal obligations to universities and colleges
for research and development, by State:
fiscal years 1970-2000**

[Dollars in thousands]

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State	1970	1971	1972	1973	1974	1975	1976	1977
Total	1,438,415	1,618,997	1,873,248	1,888,662	2,169,995	2,359,019	2,498,204	2,830,587
Alabama	12,116	14,701	21,882	20,584	24,786	26,156	29,430	30,378
Alaska	5,586	9,025	7,627	10,574	8,728	9,193	8,480	9,991
Arizona	8,608	12,600	12,670	14,183	16,649	20,427	20,085	26,118
Arkansas	4,796	5,992	5,338	4,749	4,798	6,982	5,737	7,535
California	205,835	235,445	263,218	286,336	325,017	351,419	383,002	404,329
Colorado	29,156	31,960	37,117	38,179	42,688	44,753	49,407	54,872
Connecticut	25,713	31,702	36,561	37,607	48,558	49,041	53,170	62,086
Delaware	1,593	2,409	3,451	3,029	3,886	5,308	5,459	6,610
District of Columbia	16,945	17,161	22,329	20,385	26,841	27,521	30,132	68,971
Florida	31,106	32,019	39,519	39,201	44,317	49,607	49,008	55,593
Georgia	22,603	19,990	25,981	25,845	30,388	35,913	38,578	40,058
Hawaii	10,756	11,491	13,865	14,451	16,245	17,360	22,177	19,081
Idaho	1,821	2,363	1,826	1,867	1,998	4,774	2,919	5,943
Illinois	81,289	87,708	98,696	95,194	103,186	109,204	121,729	125,515
Indiana	24,666	28,325	33,637	33,652	38,463	39,472	45,492	48,040
Iowa	14,781	17,855	19,835	19,594	25,399	23,433	23,046	29,040
Kansas	10,844	12,158	13,220	12,706	14,896	15,738	17,136	18,790
Kentucky	9,191	9,145	9,830	8,503	11,297	12,520	13,101	14,527
Louisiana	15,286	15,652	18,221	17,035	19,722	18,847	19,296	20,981
Maine	1,426	2,262	2,003	1,672	2,039	2,852	3,958	4,797
Maryland	40,071	47,029	56,325	58,942	68,484	72,187	78,895	89,645
Massachusetts	150,649	159,397	184,178	175,334	179,615	215,568	222,577	285,102
Michigan	49,894	58,087	65,861	57,946	64,238	65,755	69,494	84,519
Minnesota	24,866	27,520	32,182	33,121	37,704	40,950	47,545	48,947
Mississippi	6,121	6,498	9,017	8,039	10,014	10,359	11,464	11,377
Missouri	27,703	32,683	38,620	40,171	47,207	49,861	50,608	59,848
Montana	2,556	3,356	4,085	3,044	3,678	6,944	4,829	5,181
Nebraska	5,167	5,849	7,401	8,156	7,776	11,336	11,984	13,031
Nevada	2,711	2,894	3,568	3,367	2,765	3,248	2,874	3,744
New Hampshire	7,133	7,695	7,177	7,274	8,165	7,981	8,835	11,015
New Jersey	23,791	25,672	29,840	26,338	30,490	35,776	32,648	37,348
New Mexico	9,942	9,432	9,335	9,985	13,744	15,644	18,850	18,850
New York	166,690	179,337	210,801	213,821	243,438	266,667	276,865	308,891
North Carolina	37,148	40,582	50,675	48,074	59,832	60,353	68,825	70,692
North Dakota	2,545	2,608	2,651	2,497	2,815	4,021	4,962	3,934
Ohio	41,328	47,091	54,193	54,442	60,211	59,697	63,587	70,944
Oklahoma	8,230	9,399	9,694	11,104	11,390	13,531	12,183	13,999
Oregon	14,898	20,258	22,229	25,272	25,398	28,486	32,086	38,606
Pennsylvania	68,234	82,035	92,721	95,763	111,660	125,496	127,587	136,520
Rhode Island	9,637	10,684	13,264	12,247	13,175	14,405	16,672	17,662
South Carolina	4,738	5,865	6,460	7,057	8,311	12,452	10,640	13,626
South Dakota	2,549	3,563	3,553	3,503	2,416	2,703	3,147	2,918
Tennessee	19,449	22,054	25,096	26,231	31,294	36,813	37,601	44,563
Texas	58,997	69,704	80,535	79,540	109,141	114,540	125,061	140,206
Utah	15,689	21,417	24,612	25,617	29,555	29,524	30,029	30,907
Vermont	3,490	4,176	5,117	6,389	6,925	9,262	7,817	9,922
Virginia	16,134	17,612	21,792	21,911	29,248	31,979	36,809	42,024

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

**Table 59. Federal obligations to universities and colleges
for research and development, by State:
fiscal years 1970-2000**

[Dollars in thousands]

State	1970	1971	1972	1973	1974	1975	1976	1977
Washington	33,229	38,818	50,219	50,922	64,906	64,041	64,097	72,845
West Virginia	5,475	5,666	6,006	4,620	4,476	5,851	4,821	5,154
Wisconsin	37,840	43,595	49,922	52,544	60,465	60,743	61,463	71,016
Wyoming	2,662	2,821	3,869	3,505	3,496	4,712	4,726	5,290
Outlying areas	4,277	5,510	5,019	5,893	7,297	7,422	7,281	8,584
Puerto Rico	NA	NA	NA	NA	NA	NA	NA	NA
Other areas	NA	NA	NA	NA	NA	NA	NA	NA
Offices abroad	455	127	405	647	765	192	0	422

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

**Table 59. Federal obligations to universities and colleges
for research and development, by State:
fiscal years 1970-2000**

[Dollars in thousands]

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State	1978	1979	1980	1981	1982	1983	1984	1985
Total	3,337,133	3,735,132	4,073,907	4,340,461	4,444,001	4,842,584	5,399,866	6,190,143
Alabama	34,266	40,502	44,035	49,763	47,144	53,722	61,789	72,792
Alaska	19,257	14,176	13,628	18,747	10,713	8,643	13,238	13,567
Arizona	30,379	43,502	38,805	44,713	43,444	50,802	57,346	64,915
Arkansas	11,425	9,458	9,071	11,459	10,656	10,421	11,539	12,928
California	461,694	514,212	559,597	589,277	627,520	753,683	833,347	972,701
Colorado	63,599	65,067	80,941	78,264	76,308	86,137	99,927	107,751
Connecticut	70,793	83,887	97,940	107,347	104,241	118,203	132,074	148,091
Delaware	6,940	9,262	10,018	8,422	8,247	8,722	10,187	11,382
District of Columbia	38,912	70,415	41,947	47,501	42,380	57,246	45,575	55,651
Florida	62,760	68,801	70,860	75,623	81,354	91,734	99,507	119,534
Georgia	46,064	54,593	62,669	68,043	74,994	86,438	92,227	101,505
Hawaii	22,885	24,630	26,147	23,746	22,132	27,227	27,502	30,623
Idaho	4,977	4,520	4,893	5,560	5,197	6,350	5,826	5,988
Illinois	136,516	154,005	164,933	179,144	181,456	206,893	231,232	267,343
Indiana	53,269	55,663	74,922	75,775	72,958	76,972	88,455	97,215
Iowa	33,204	43,842	44,593	46,367	47,165	54,058	64,623	73,357
Kansas	21,991	23,218	28,961	25,736	25,031	25,073	26,042	28,555
Kentucky	16,912	18,991	19,695	20,176	21,312	19,684	21,581	27,308
Louisiana	24,062	26,745	34,065	33,621	32,613	36,551	43,414	47,726
Maine	5,006	4,839	5,323	5,326	5,415	5,775	6,308	7,209
Maryland	174,289	211,880	206,326	217,254	214,600	197,013	237,116	263,450
Massachusetts	358,916	351,306	426,963	463,091	514,832	440,034	459,281	533,243
Michigan	101,151	100,043	112,623	121,090	121,206	137,637	157,869	171,071
Minnesota	58,962	64,282	78,522	74,568	78,751	74,696	86,609	103,924
Mississippi	13,896	20,761	17,218	25,774	17,559	18,284	20,009	25,952
Missouri	64,127	73,011	79,259	81,581	82,335	87,177	95,673	107,495
Montana	4,977	6,330	5,861	7,458	7,458	7,448	7,242	7,502
Nebraska	12,320	16,500	18,203	15,287	12,827	14,365	17,048	19,556
Nevada	3,551	5,474	5,132	6,530	7,243	7,240	7,606	9,525
New Hampshire	12,178	14,460	17,377	18,339	17,289	19,399	23,100	26,814
New Jersey	41,538	43,613	53,243	59,207	57,931	66,145	70,052	85,937
New Mexico	31,293	32,399	32,732	39,169	27,956	27,689	52,649	61,607
New York	337,972	378,044	426,620	452,057	464,443	547,920	617,682	721,466
North Carolina	84,616	105,617	107,843	113,657	124,559	140,524	155,219	181,858
North Dakota	5,005	6,018	8,675	7,395	6,757	4,857	14,275	8,570
Ohio	90,931	120,003	113,386	117,590	115,400	120,313	136,280	155,963
Oklahoma	15,345	15,845	19,612	20,396	22,188	20,583	22,547	24,420
Oregon	39,661	40,892	44,984	48,271	46,880	56,648	59,567	67,549
Pennsylvania	177,315	193,925	220,071	226,406	237,383	259,534	304,736	341,714
Rhode Island	19,570	23,652	26,983	28,531	32,371	33,652	38,712	38,671
South Carolina	14,260	18,675	20,949	23,711	22,501	25,048	25,674	32,615
South Dakota	3,806	4,695	4,851	4,432	4,706	4,112	4,830	5,588
Tennessee	48,992	53,188	54,752	62,135	58,681	70,935	68,434	84,583
Texas	171,040	181,745	195,133	215,550	218,509	235,056	262,066	305,835
Utah	41,209	45,931	43,534	57,199	53,245	82,628	77,883	85,500
Vermont	11,084	11,816	12,307	12,183	13,637	14,078	18,422	19,363
Virginia	50,533	56,246	60,950	62,773	67,044	73,194	87,211	99,757

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

**Table 59. Federal obligations to universities and colleges
for research and development, by State:
fiscal years 1970-2000**

[Dollars in thousands]

State	1978	1979	1980	1981	1982	1983	1984	1985
Washington	82,612	94,869	102,232	104,610	116,127	129,522	141,239	159,743
West Virginia	6,655	8,442	12,459	12,703	10,450	11,959	10,067	11,973
Wisconsin	80,833	85,325	94,137	103,494	99,271	109,570	120,222	139,639
Wyoming	4,031	9,731	7,852	8,767	6,786	7,720	15,977	6,943
Outlying areas	8,976	10,053	9,210	12,509	12,150	11,441	12,811	15,839
Puerto Rico	NA	NA	NA	NA	NA	NA	NA	NA
Other areas	NA	NA	NA	NA	NA	NA	NA	NA
Offices abroad	578	33	865	2,134	10,646	1,829	19	337

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

**Table 59. Federal obligations to universities and colleges
for research and development, by State:
fiscal years 1970-2000**

[Dollars in thousands]

State	1986	1987	1988	1989	1990	1991	1992	1993
Total	6,424,285	7,178,835	7,663,736	8,484,915	8,944,236	9,990,860	10,117,101	11,051,307
Alabama	77,253	98,152	105,187	120,043	125,996	154,815	165,153	157,510
Alaska	13,098	14,944	15,259	18,067	24,996	30,606	27,774	41,143
Arizona	70,347	82,250	88,296	102,352	117,307	125,776	158,909	143,332
Arkansas	12,099	13,770	15,471	18,047	20,089	26,517	23,089	30,915
California	1,221,474	1,081,163	1,164,416	1,322,335	1,347,297	1,483,715	1,432,871	1,592,861
Colorado	116,157	134,039	135,305	150,171	155,778	175,587	187,999	219,347
Connecticut	146,872	169,807	175,476	187,959	196,116	200,421	194,322	225,525
Delaware	13,150	12,935	14,511	14,184	17,351	20,926	19,406	22,281
District of Columbia	53,124	64,768	68,956	62,411	68,170	86,434	116,103	115,698
Florida	126,141	144,464	183,328	204,785	185,399	214,162	213,618	250,540
Georgia	97,511	125,019	133,369	152,916	160,186	168,887	200,979	226,849
Hawaii	28,925	30,459	36,078	41,328	40,499	46,004	46,933	49,100
Idaho	5,496	7,689	8,856	9,655	9,773	15,268	13,979	13,373
Illinois	250,102	298,825	305,446	321,256	326,837	374,120	364,237	372,211
Indiana	96,537	120,708	121,282	122,718	132,268	151,562	161,793	168,976
Iowa	66,313	81,177	88,628	101,974	103,366	126,011	120,162	136,017
Kansas	38,569	39,336	35,882	37,134	40,811	46,865	52,944	50,399
Kentucky	28,617	32,274	33,596	35,293	38,298	46,445	48,676	58,977
Louisiana	44,730	56,748	59,788	114,831	67,698	104,197	102,405	90,269
Maine	6,975	6,106	8,666	10,149	8,313	8,971	13,501	16,362
Maryland	278,361	373,308	458,852	479,618	539,345	531,094	607,995	689,819
Massachusetts	463,722	596,149	557,758	626,050	687,298	687,884	738,960	735,208
Michigan	177,226	208,547	232,539	246,324	262,650	306,587	302,634	360,856
Minnesota	98,379	120,080	123,027	132,087	139,752	154,798	148,634	167,277
Mississippi	29,774	35,226	35,610	32,660	34,754	40,026	40,626	45,538
Missouri	109,791	128,212	138,859	149,041	169,623	181,446	189,316	198,273
Montana	8,718	10,064	8,968	10,096	13,661	14,635	15,770	17,163
Nebraska	17,605	22,649	24,199	25,080	26,818	36,329	33,008	37,649
Nevada	14,097	17,334	12,008	12,392	20,992	13,730	22,738	19,629
New Hampshire	31,658	32,654	34,915	36,296	51,514	55,900	58,430	63,448
New Jersey	78,354	101,899	112,663	120,533	139,088	148,685	152,889	189,222
New Mexico	73,602	44,402	53,315	67,362	61,479	73,853	77,305	104,633
New York	705,811	772,368	820,478	882,576	879,682	1,035,594	935,727	998,061
North Carolina	191,274	232,089	257,477	289,332	303,340	329,383	356,918	395,051
North Dakota	9,021	8,409	10,600	11,557	20,230	16,845	19,837	20,318
Ohio	165,657	182,123	205,393	226,561	244,749	258,066	277,531	303,385
Oklahoma	23,189	26,274	27,427	27,975	33,736	32,186	46,442	41,609
Oregon	67,388	77,555	89,252	91,672	91,550	116,756	124,089	122,641
Pennsylvania	350,546	413,020	425,801	480,552	542,462	715,805	567,440	706,699
Rhode Island	45,668	40,464	46,297	52,732	49,839	54,612	54,653	54,424
South Carolina	34,637	35,837	38,256	38,429	42,111	54,443	52,782	53,349
South Dakota	4,804	4,434	4,687	6,418	5,813	7,324	7,823	8,403
Tennessee	85,003	108,871	107,215	113,906	133,918	146,876	157,976	160,733
Texas	310,789	371,114	407,945	441,299	459,602	486,437	532,555	587,349
Utah	78,442	69,745	73,975	113,771	127,863	132,100	127,395	116,039
Vermont	22,465	23,348	26,421	29,086	31,491	35,234	31,063	35,313
Virginia	105,207	113,145	121,850	148,420	155,589	164,419	193,220	201,668

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

**Table 59. Federal obligations to universities and colleges
for research and development, by State:
fiscal years 1970-2000**

[Dollars in thousands]

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State	1986	1987	1988	1989	1990	1991	1992	1993
Washington	157,271	191,396	198,895	212,822	243,150	266,317	277,123	299,465
West Virginia	9,640	12,822	14,914	17,707	20,551	38,683	43,653	38,994
Wisconsin	140,541	162,406	160,354	178,947	187,935	208,842	215,525	238,342
Wyoming	5,976	8,635	13,456	8,931	8,527	11,843	12,136	23,734
Outlying areas	15,426	17,333	21,611	25,370	28,283	26,509	29,767	35,079
Puerto Rico	NA	NA	NA	NA	NA	NA	NA	NA
Other areas	NA	NA	NA	NA	NA	NA	NA	NA
Offices abroad	753	2,290	923	1,705	293	330	288	251

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

**Table 59. Federal obligations to universities and colleges
for research and development, by State:
fiscal years 1970-2000**

[Dollars in thousands]

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State	1994	1995	1996	1997	1998	1999	2000
Total	11,644,072	11,763,120	11,824,054	12,401,087	13,204,061	14,772,312	16,590,589
Alabama	182,591	194,722	191,618	214,457	225,558	249,207	276,648
Alaska	42,593	24,411	23,392	29,731	29,598	38,356	50,916
Arizona	170,462	165,832	146,128	148,571	159,883	187,566	213,757
Arkansas	36,482	32,067	37,036	37,096	44,974	51,873	62,270
California	1,629,949	1,678,809	1,725,600	1,742,747	1,888,588	2,069,206	2,345,501
Colorado	235,107	226,178	223,336	269,276	279,692	299,380	351,142
Connecticut	238,359	233,794	241,866	259,744	267,225	305,015	330,744
Delaware	27,036	23,365	27,924	25,369	29,971	34,655	42,413
District of Columbia	166,431	137,875	142,674	155,363	151,507	157,232	158,636
Florida	264,340	260,869	264,558	296,270	300,251	331,613	379,336
Georgia	240,586	234,792	219,762	240,003	271,517	301,009	346,638
Hawaii	55,606	51,348	52,502	56,337	52,323	58,826	72,433
Idaho	17,980	13,428	56,292	13,609	21,051	20,977	23,968
Illinois	431,919	426,797	451,952	465,934	505,393	587,341	631,281
Indiana	176,141	176,527	197,569	197,699	189,626	205,001	244,706
Iowa	134,507	129,165	135,612	139,714	150,443	179,955	188,719
Kansas	55,119	62,869	62,554	63,749	78,444	82,240	92,477
Kentucky	65,429	60,060	66,453	71,617	73,512	87,343	112,921
Louisiana	116,552	98,453	93,840	123,586	111,606	137,798	127,100
Maine	17,008	14,431	14,396	13,866	15,614	20,451	21,038
Maryland	611,604	652,929	683,794	700,143	798,205	892,533	1,007,659
Massachusetts	793,689	778,281	772,713	792,419	821,778	894,594	979,704
Michigan	392,992	399,612	406,198	425,381	449,962	502,219	557,084
Minnesota	171,911	195,508	188,699	193,278	196,147	218,542	250,830
Mississippi	41,555	47,693	42,846	44,569	67,279	69,270	94,574
Missouri	221,451	230,312	251,205	267,999	296,833	346,973	396,351
Montana	21,989	20,289	21,403	32,117	33,098	35,474	42,060
Nebraska	44,251	50,833	48,217	47,959	46,193	55,713	61,364
Nevada	22,616	22,107	19,076	21,714	25,778	28,387	39,302
New Hampshire	67,885	58,946	66,071	66,405	69,135	80,232	90,529
New Jersey	193,757	211,752	186,629	198,521	218,031	229,536	291,614
New Mexico	83,308	94,622	95,407	92,218	85,561	106,169	117,242
New York	1,026,333	1,030,704	1,005,709	1,062,686	1,123,153	1,226,895	1,397,721
North Carolina	448,777	447,044	458,006	467,998	498,962	564,348	628,208
North Dakota	21,139	20,091	17,728	23,655	21,036	25,538	29,312
Ohio	335,796	325,945	315,613	327,760	344,724	399,175	461,264
Oklahoma	42,213	46,876	46,459	52,831	60,683	63,265	68,449
Oregon	132,350	150,599	132,238	157,943	171,891	199,159	213,668
Pennsylvania	715,368	705,108	729,172	767,848	853,584	953,933	1,025,989
Rhode Island	58,203	62,964	54,555	66,291	60,707	68,546	80,225
South Carolina	69,383	64,440	63,362	94,954	92,764	108,437	118,166
South Dakota	9,893	8,392	8,889	14,075	9,429	10,614	20,243
Tennessee	160,098	168,199	162,432	179,732	180,722	201,458	236,800
Texas	631,548	658,342	643,504	656,705	691,836	801,277	921,110
Utah	125,158	129,083	119,506	130,845	142,607	161,857	163,652
Vermont	34,312	32,865	33,871	32,852	37,723	44,462	55,612
Virginia	199,550	206,123	206,532	226,968	245,775	263,998	272,217

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

**Table 59. Federal obligations to universities and colleges
for research and development, by State:
fiscal years 1970-2000**

[Dollars in thousands]

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State	1994	1995	1996	1997	1998	1999	2000
Washington	305,251	334,212	330,526	344,568	356,743	416,548	435,661
West Virginia	31,741	34,804	18,057	23,560	26,830	28,307	36,439
Wisconsin	261,011	252,130	246,817	247,731	266,393	298,239	347,329
Wyoming	12,712	12,923	14,255	16,169	16,758	14,495	18,387
Outlying areas	51,535	62,390	59,169	58,390	46,664	56,857	58,909
Puerto Rico	30,616	30,037	34,511	38,803	46,253	50,661	52,591
Other areas	20,919	32,353	24,658	19,587	411	6,196	6,318
Offices abroad	496	1,210	332	65	301	218	271

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 99 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