

Table 7B. State distribution of expenditures for R&D, by performing sector and source of funding: 2000

Performing sector:	Total R&D	Federal Government	Industry			Universities & colleges ¹					U&C FFRDCs	Other nonprofit institutions	Nonprofit FFRDCs	Gross state product	R&D intensity ⁶					
			Total ²	Federal Government ²	Industry ³	Total	Federal Government	Nonfederal government	Industry	U&C					Nonprofits	Federal Government ⁴	Government ⁵	Federal Government ⁴	Rank	Percent
Funding sector:	Total R&D	Federal Government	Total ²	Federal Government ²	Industry ³	Total	Federal Government	Nonfederal government	Industry	U&C	Nonprofits	Federal Government ⁴	Government ⁵	Federal Government ⁴	Gross state product	Rank	Percent	Rank		
State	Rank	Thousands of current dollars																Rank	Percent	Rank
United States, total		264,616,008	17,468,589	199,539,000	19,118,000	180,421,000	30,973,891	17,974,978	2,256,997	2,200,926	6,209,611	2,331,379	5,801,229	4,379,922	1,464,947	9,941,551,000		2.66		
Alabama	27	1,730,117	664,981	607,000	184,000	423,000	428,122	275,912	6,052	19,581	88,167	38,410	0	30,014	0	119,921,000	25	1.44	31	
Alaska	47	196,448	75,446	9,000	D	D	107,417	49,241	3,469	20,073	34,328	306	0	4,585	0	27,747,000	46	0.71	45	
Arizona	19	3,107,291	145,601	2,445,000	153,000	2,292,000	465,777	244,938	15,221	28,519	158,810	18,289	36,409	14,504	0	156,303,000	23	1.99	19	
Arkansas	42	454,401	45,489	273,000	D	D	130,894	58,302	35,076	8,121	22,110	7,285	0	5,018	0	67,724,000	34	0.67	47	
California	1	55,092,936	1,655,628	45,769,000	4,229,000	41,540,000	4,053,042	2,335,093	235,796	294,990	820,953	366,210	2,812,134	660,758	142,374	1,344,623,000	1	4.10	8	
Colorado	17	4,229,501	241,771	3,140,000	D	D	544,204	427,495	24,000	24,031	53,711	14,967	115,510	64,970	123,046	167,918,000	21	2.52	15	
Connecticut	14	4,888,469	19,373	4,371,000	127,000	4,244,000	468,435	304,155	15,539	28,327	74,534	45,880	0	29,661	0	159,288,000	22	3.07	12	
Delaware	28	1,532,130	7,598	1,444,000	7,000	1,437,000	78,126	40,768	4,142	3,878	19,562	9,776	0	2,406	0	36,336,000	44	4.22	6	
District of Columbia	24	2,296,233	1,722,640	112,000	46,000	67,000	245,828	186,632	3,826	16,286	15,480	23,604	0	210,844	4,921	59,397,000	36	3.87	10	
Florida	15	4,662,727	573,140	3,212,000	498,000	2,714,000	851,932	408,826	103,167	78,906	220,827	40,206	0	25,655	0	472,105,000	4	0.99	36	
Georgia	21	2,796,192	273,713	1,579,000	83,000	1,496,000	926,749	417,664	76,857	94,341	299,214	38,673	0	16,730	0	296,142,000	10	0.94	37	
Hawaii	46	291,409	58,658	44,000	17,000	27,000	161,300	95,419	35,474	11,158	19,249	0	0	27,451	0	42,364,000	40	0.69	46	
Idaho	30	1,433,567	21,722	1,338,000	D	D	73,726	28,888	18,545	5,338	17,505	3,450	0	119	0	37,031,000	42	3.87	9	
Illinois	6	12,767,496	85,344	10,661,000	37,000	10,624,000	1,170,625	681,006	73,042	56,085	279,759	80,733	759,002	91,525	0	467,284,000	5	2.73	13	
Indiana	18	3,252,494	71,630	2,668,000	75,000	2,593,000	509,141	228,768	34,377	42,343	178,613	25,040	0	3,723	0	192,195,000	15	1.69	25	
Iowa	34	1,017,300	34,586	538,000	D	D	418,263	203,437	56,351	32,473	104,472	21,530	23,281	3,170	0	89,600,000	30	1.14	33	
Kansas	31	1,420,089	20,162	1,140,000	D	D	258,336	105,610	44,396	23,410	69,872	15,048	0	1,591	0	85,063,000	31	1.67	26	
Kentucky	35	866,052	7,500	582,000	1,000	581,000	274,238	96,288	21,849	17,932	121,232	16,937	0	2,314	0	118,508,000	27	0.73	43	
Louisiana	38	626,793	99,196	126,000	1,000	125,000	399,411	169,895	75,626	25,670	95,601	32,619	0	2,186	0	137,700,000	24	0.46	49	
Maine	45	318,726	4,755	201,000	53,000	148,000	57,753	25,309	6,445	2,994	20,555	2,450	0	55,218	0	35,981,000	45	0.89	38	
Maryland	10	8,633,558	4,869,668	2,032,000	428,000	1,604,000	1,507,549	1,090,445	82,069	50,154	181,039	103,842	0	224,341	0	186,108,000	16	4.64	4	
Massachusetts	5	13,004,427	259,172	9,863,000	1,831,000	8,032,000	1,485,792	1,064,468	40,305	138,667	94,322	148,030	348,339	967,591	80,533	284,934,000	11	4.56	5	
Michigan	2	18,892,070	239,543	17,640,000	80,000	17,559,000	995,756	553,119	63,226	66,955	242,336	70,120	0	16,771	0	325,384,000	9	5.81	1	
Minnesota	16	4,298,967	32,014	3,722,000	173,000	3,550,000	416,411	233,018	52,659	26,859	71,236	32,639	0	128,542	0	184,766,000	17	2.33	17	
Mississippi	39	512,789	186,799	101,000	19,000	83,000	217,064	117,168	38,833	10,973	47,025	3,065	0	7,926	0	67,315,000	35	0.76	42	
Missouri	23	2,583,036	43,851	1,893,000	18,000	1,876,000	614,101	371,713	26,387	33,535	130,288	52,178	0	32,084	0	178,845,000	18	1.44	30	
Montana	48	169,856	35,344	28,000	D	D	99,069	51,686	17,873	10,298	15,658	3,554	0	7,443	0	21,777,000	48	0.78	41	
Nebraska	43	438,996	25,082	199,000	D	D	208,480	65,702	7,243	17,636	101,159	16,740	0	6,434	0	56,072,000	37	0.78	40	
Nevada	44	377,412	20,696	248,000	D	D	106,340	60,005	7,032	5,532	29,227	4,544	0	2,376	0	74,745,000	32	0.50	48	
New Hampshire	36	775,004	35,717	586,000	D	D	150,982	95,290	9,747	9,197	22,924	13,824	0	2,305	0	47,708,000	39	1.62	27	
New Jersey	4	13,133,222	417,685	12,062,000	253,000	11,809,000	567,666	257,445	46,071	29,817	160,412	73,921	65,305	20,566	0	363,089,000	8	3.62	11	
New Mexico	20	3,085,199	320,838	1,158,000	D	D	246,258	175,028	11,965	11,692	41,740	5,833	1,333,194	26,909	0	54,364,000	38	5.68	2	
New York	3	13,555,586	176,034	10,539,000	1,773,000	8,766,000	2,290,812	1,475,423	102,684	100,995	374,797	236,913	0	300,685	249,055	799,202,000	2	1.70	24	
North Carolina	13	5,045,250	262,003	3,672,000	30,000	3,641,000	1,040,017	577,437	113,764	169,979	147,364	31,473	0	71,230	0	281,741,000	12	1.79	22	
North Dakota	49	145,671	25,842	51,000	D	D	67,406	29,343	2,417	4,400	28,651	2,595	0	1,423	0	18,283,000	51	0.80	39	
Ohio	11	7,661,540	615,458	5,962,000	539,000	5,423,000	918,500	498,967	83,520	87,570	179,722	68,721	0	165,582	0	372,640,000	7	2.06	18	
Oklahoma	37	659,684	58,619	333,000	3,000	331,000	252,419	93,434	42,396	16,789	88,152	11,648	0	15,646	0	91,773,000	29	0.72	44	
Oregon	25	2,116,232	88,618	1,651,000	7,000	1,644,000	346,149	246,684	35,485	14,775	32,568	16,637	0	30,465	0	118,637,000	26	1.78	23	
Pennsylvania	9	9,841,912	151,955	7,873,000	460,000	7,412,000	1,549,050	1,032,963	44,433	159,669	202,535	109,450	55,955	211,952	0	403,985,000	6	2.44	16	
Rhode Island	29	1,500,828	240,862	1,090,000	D	D	129,697	88,510	4,564	2,735	30,289	3,599	0	40,269	0	36,453,000	43	4.12	7	
South Carolina	33	1,126,164	45,754	781,000	D	D	294,184	131,043	31,743	15,478	102,793	13,127	0	5,226	0	113,377,000	28	0.99	35	
South Dakota	50	84,801	13,232	44,000	16,000	28,000	27,269	13,659	6,525	361	3,825	2,899	0	300	0	23,192,000	47	0.37	50	

Table 7B. State distribution of expenditures for R&D, by performing sector and source of funding: 2000

Performing sector:	Total R&D		Federal Government	Industry			Universities & colleges ¹					U&C FFRDCs	Other nonprofit institutions	Nonprofit FFRDCs	Gross state product	R&D intensity ⁶			
	Funding sector:	Total R&D	Federal Government	Total ²	Federal Government ²	Industry ³	Total	Federal Government	Nonfederal government	Industry	U&C	Nonprofits	Federal Government ⁴	Federal Government ⁵		Federal Government ⁴	Rank	Percent	Rank
State	Rank	Thousands of current dollars															Rank	Percent	Rank
Tennessee	26	2,057,293	88,947	1,215,000	D	D	405,013	240,337	39,258	18,520	67,634	39,264	0	35,888	312,445	178,362,000	19	1.15	32
Texas	7	11,552,437	464,699	8,961,000	230,000	8,731,000	2,039,642	1,101,463	229,255	165,151	322,234	221,539	0	87,096	0	742,274,000	3	1.56	28
Utah	32	1,360,644	69,871	979,000	D	D	308,059	192,100	20,365	17,853	43,818	33,923	0	3,714	0	68,549,000	33	1.98	20
Vermont	40	465,349	3,599	396,000	D	D	64,762	41,232	3,262	5,713	10,239	4,316	0	988	0	18,411,000	50	2.53	14
Virginia	12	5,069,481	1,449,209	2,718,000	800,000	1,918,000	587,718	321,690	70,328	53,380	103,522	38,798	79,342	67,066	168,146	261,355,000	13	1.94	21
Washington	8	10,516,331	258,718	9,265,000	D	D	642,934	443,223	15,266	62,087	101,445	20,913	0	198,734	150,945	219,937,000	14	4.78	3
West Virginia	41	457,128	102,958	235,000	D	D	73,420	33,972	2,963	7,510	24,299	4,676	35,536	10,214	0	42,271,000	41	1.08	34
Wisconsin	22	2,692,876	37,816	1,981,000	18,000	1,963,000	661,470	348,779	45,576	21,554	176,467	69,094	0	12,590	0	173,478,000	20	1.55	29
Wyoming	51	60,969	7,298	7,000	0	7,000	43,094	16,556	1,470	2,941	20,103	2,024	0	3,577	0	19,294,000	49	0.32	51
Other unknown	NA	12,130,343	42,207	11,994,000	1,094,000	10,900,000	81,969	47,925	16,329	5,021	12,114	580	11,268	899	0	NA	NA	NA	NA
Adjustment	NA	7,630,582	949,548	1,000	NA	NA	911,520	481,505	52,734	22,674	285,120	69,487	125,954	420,648	233,482	NA	NA	NA	NA

¹ Adjustments have been made to university R&D for 1998 and later years to eliminate double counting of funds passed through from one academic institution to another at the national level. State-level university R&D data have not been adjusted to correct for this double counting.

² Includes performance at industry FFRDCs.

³ Industry sources of industry R&D expenditures include all non-Federal sources of industry R&D expenditures.

⁴ Includes all R&D expenditures of the FFRDCs, over 95 percent of these expenditures are Federally funded nationally.

⁵ Other sources of support for nonprofit institutions were unavailable by state. For 2000 total nonprofit performance is estimated at \$9,368 million. Industry provided an estimated \$1,103 million to the nonprofit sector, and nonprofit institutions provided an estimated \$3,886 million. These non-Federal-support amounts are included in the total R&D column for the rows "United States, Total" and "other unknown". This is why, for these two columns, the amounts under "total R&D" are greater than the sum of the components to the right, because those components do not include nonfederal support to nonprofit organizations.

⁶ R&D intensity is the ratio of total R&D performed in a state to the GSP of the state.

KEY: FFRDCs = federally funded research and development centers
 U&C = universities and colleges
 NA = Not available
 D = Data withheld to avoid disclosing operations of individual companies

NOTES: Industry R&D data are in reference to calendar years; other R&D data are in reference to fiscal years but may serve as approximations to calendar year data.
 The "other unknown" category reflects reported data that could not be assigned to a geographic location. The "adjustment" category reflects the difference in state totals (and other unknown) when reported on a fiscal year basis and the U.S. Totals that have been adjusted to calendar year estimates.

SOURCES: National Science Foundation/Division of Science Resources Statistics. These data were derived from four NSF surveys: Survey of Industrial R&D; Survey of R&D Expenditures at Universities and Colleges, Survey of Federal Funds for R&D, and Survey of R&D Funding and Performance by Nonprofit Organizations. Gross State Product data are from the U.S. Bureau of Economic Analysis.