

**R&D expenditure, by state, performing sector, and source of funds: 2003**

(Millions of current dollars)

State	Performing sector:		FFRDCs					Industry			U&C <sup>a</sup>					Other nonprofit institutions	
	Funding sector:	Rank	All R&D	Federal	Total	Federal	Nonfederal <sup>b</sup>	Total	Federal	Industry <sup>c</sup>	Total	Federal	Nonfederal	Industry	U&Cs	Nonprofit	Federal <sup>d</sup>
State total <sup>e</sup> .....	na		277,577	21,863	12,115	11,671	445	198,244	20,595	177,647	39,976	24,662	2,645	2,157	7,670	2,843	5,379
Alabama.....	27		2,543	937	0	0	0	999	461	539	558	410	7	15	105	21	49
Alaska.....	48		321	131	0	0	0	36	5	31	141	77	5	23	33	2.8	13
Arizona.....	22		3,578	291	44	44	0	2,605	574	2,031	618	342	40	40	172	25	19
Arkansas.....	43		509	53	0	0	0	270	7	263	183	82	55	10	27	9	3
California.....	1		59,664	2,834	3,404	3,297	107	47,142	4,497	42,644	5,363	3,184	283	251	1,080	564	920
Colorado.....	17		5,012	350	362	357	5	3,544	95	3,449	695	535	31	37	71	21	61
Connecticut.....	13		6,548	96	0	0	0	5,834	852	4,982	595	418	9	28	71	68	24
Delaware.....	35		1,414	9	0	0	0	1,298	12	1,285	105	73	4	3	20	5	2
District of Columbia.....	26		2,686	1,960	7	7	0	235	95	140	263	215	4	11	14	20	221
Florida.....	16		5,172	721	0	0	0	3,181	1,031	2,150	1,205	668	119	69	285	65	65
Georgia.....	20		3,923	614	0	0	0	2,108	57	2,051	1,176	638	85	74	322	56	25
Hawaii.....	45		438	87	0	0	0	133	53	80	185	149	12	7	17	0	33
Idaho.....	36		1,209	27	330	318	12	745	9	736	105	56	19	6	23	2	1.8
Illinois.....	8		11,045	223	804	769	35	8,319	190	8,129	1,614	964	94	49	400	108	86
Indiana.....	19		4,487	96	0	0	0	3,658	256	3,401	726	328	51	51	237	59	7
Iowa.....	34		1,451	87	25	25	0	833	7	826	499	284	51	36	115	13	7
Kansas.....	28		2,024	35	0	0	0	1,675	D	D	310	156	42	8	87	17	4
Kentucky.....	37		1,014	33	0	0	0	601	21	580	378	173	51	9	113	33	3
Louisiana.....	39		954	128	0	0	0	295	24	271	524	224	106	31	126	38	7
Maine.....	47		372	24	0	0	0	200	30	169	75	31	12	3	25	4	73
Maryland.....	9		10,162	3,538	296	296	0	3,998	1,745	2,253	2,031	1,504	63	99	257	108	299
Massachusetts.....	3		15,638	899	523	516	7	11,094	2,153	8,941	1,822	1,379	43	129	98	172	1,301
Michigan.....	2		16,884	243	0	0	0	15,241	213	15,028	1,388	793	94	69	347	86	11
Minnesota.....	15		5,842	141	0	0	0	5,003	236	4,767	517	298	60	25	73	62	181
Mississippi.....	32		1,519	163	0	0	0	1,021	D	D	324	208	37	10	63	7	11
Missouri.....	25		2,731	158	0	0	0	1,742	80	1,662	807	520	34	27	183	45	24
Montana.....	49		247	29	0	0	0	65	2	63	141	85	22	7	26	1	12
Nebraska.....	40		710	41	0	0	0	363	7	356	301	106	12	22	140	20	5
Nevada.....	41		579	37	0	0	0	383	31	352	155	104	8	6	33	4	5
New Hampshire.....	30		1,664	55	0	0	0	1,349	D	D	252	166	8	11	49	19	7
New Jersey.....	6		12,795	559	67	66	1	11,401	215	11,185	748	361	68	37	212	70	20
New Mexico.....	18		4,977	455	3,849	3,687	162	349	165	184	307	200	15	15	69	8	17
New York.....	5		13,031	572	453	437	16	8,556	598	7,958	3,090	2,015	161	133	524	258	359
North Carolina.....	14		6,343	413	0	0	0	4,424	108	4,315	1,395	838	117	184	207	48	112
North Dakota.....	46		382	30	0	0	0	216	2	214	134	66	4	7	51	6	2
Ohio.....	11		8,583	800	0	0	0	6,260	425	5,835	1,269	743	39	74	317	96	254
Oklahoma.....	38		968	68	0	0	0	577	33	545	295	127	41	17	94	16	28
Oregon.....	23		3,572	124	0	0	0	2,973	39	2,934	437	318	38	11	47	24	37
Pennsylvania.....	10		9,944	453	45	44	2	7,091	166	6,925	2,014	1,444	94	141	212	122	342
Rhode Island.....	29		1,757	301	0	0	0	1,203	D	D	187	134	7	3	37	7	66

**R&D expenditure, by state, performing sector, and source of funds: 2003**

(Millions of current dollars)

State	Performing sector:		All R&D	Federal	FFRDCs			Industry			U&C <sup>a</sup>					Other nonprofit institutions	
	Funding sector:	Rank			Total	Federal	Nonfederal <sup>b</sup>	Total	Federal	Industry <sup>c</sup>	Total	Federal	Nonfederal	Industry	U&Cs	Nonprofit	Federal <sup>d</sup>
South Carolina.....		31	1,616	79	94	94	0	976	36	940	435	226	22	23	152	12	31
South Dakota.....		50	149	20	0	0	0	75	2	73	50	28	10	0.7	5	6	4.2
Tennessee.....		24	2,998	140	691	664	26	1,507	206	1,302	600	383	55	22	105	36	61
Texas.....		4	14,785	830	18	17	1	11,057	638	10,419	2,766	1,552	339	174	417	284	115
Utah.....		33	1,506	116	0	0	0	996	135	861	385	264	23	9	57	32	8
Vermont.....		44	492	24	0	0	0	360	10	349	107	72	3	8	17	7	1
Virginia.....		12	7,582	2,166	381	373	8	4,152	1,846	2,306	776	483	77	57	116	44	107
Washington.....		7	11,469	412	679	615	64	9,222	103	9,119	870	642	20	52	129	27	286
West Virginia.....		42	538	125	43	43	0	219	21	198	121	74	3	2	39	3	30
Wisconsin.....		21	3,642	126	0	0	0	2,623	34	2,589	881	504	50	20	222	84	12
Wyoming.....		51	113	9	0	0	0	37	2	35	60	23	2	3	29	3	7
Other/unknown.....		na	5,762	0	0	0	0	5,762	104	5,658	0	0	0	0	0	0	0

na = not applicable; D = data withheld to avoid disclosing operations of individual companies

FFRDC = federally funded research and development center; U&amp;C = universities and colleges

<sup>a</sup>State-level university R&D data not adjusted to eliminate double counting of funds passed through from one academic institution to another. At national level, funds passed through to educational subrecipients account for 2.8% of total R&D expenditures reported by universities and colleges in FY 2003.

<sup>b</sup>Includes state and local governments (\$31.1 million), industry (\$140.9 million), FFRDC institutional funds (\$140.2 million), and other sources (\$133.4 million).

<sup>c</sup>Includes all nonfederal sources of industry R&D expenditures.

<sup>d</sup>Other sources of support for nonprofit institutions unavailable by state. For 2003, total nonprofit performance is estimated at \$11.8 billion. Industry provided an estimated \$1.1 billion to nonprofit sector, and nonprofit institutions provided estimated \$5.1 billion.

\*State totals differ from U.S. totals reported elsewhere because some R&D expenditures not allocated to 1 of 50 states or District of Columbia. In addition, nonfederal sources of nonprofit R&D expenditures not allocated by state.

NOTES: Industry R&D data by state refer to calendar years; other R&D data by state refer to fiscal years but may serve as approximations to calendar-year data. Other/unknown category reflects reported data not assigned to 1 of 50 states or District of Columbia. For industry, other/unknown totals include survey data not assigned to individual states plus amounts reported for individual states but suppressed here to protect confidentiality of surveyed companies.

SOURCES: National Science Foundation, Division of Science Resources Statistics, Survey of Industrial Research and Development; Survey of Research and Development Expenditures at Universities and Colleges; Survey of Federal Funds for Research and Development; and U.S. Department of Commerce, Bureau of Economic Analysis, [www.bea.gov/bea/newsrel/gspnewsrelease.htm](http://www.bea.gov/bea/newsrel/gspnewsrelease.htm).

Science and Engineering Indicators 2006