

Appendix table 4-25  
Total R&D and GSP, by state: 2000

State rank	R&D (millions of current dollars)	GSP (millions of current dollars)	R&D/GSP (percent)	Rank in R&D/GSP	U.S. R&D (percent)	Cumulative percent
1 California.....	55,093	1,344,623	4.10	8	22.50	22.5
2 Michigan.....	18,892	325,384	5.81	1	7.72	30.2
3 New York.....	13,556	799,202	1.70	24	5.54	35.8
4 New Jersey.....	13,133	363,089	3.62	11	5.36	41.1
5 Massachusetts.....	13,004	284,934	4.56	5	5.31	46.4
6 Illinois.....	12,767	467,284	2.73	13	5.21	51.6
7 Texas.....	11,552	742,274	1.56	28	4.72	56.4
8 Washington.....	10,516	219,937	4.78	3	4.29	60.7
9 Pennsylvania.....	9,842	403,985	2.44	16	4.02	64.7
10 Maryland.....	8,634	186,108	4.64	4	3.53	68.2
11 Ohio.....	7,662	372,640	2.06	18	3.13	71.3
12 Virginia.....	5,069	261,355	1.94	21	2.07	73.4
13 North Carolina.....	5,045	281,741	1.79	22	2.06	75.5
14 Connecticut.....	4,888	159,288	3.07	12	2.00	77.5
15 Florida.....	4,663	472,105	0.99	36	1.90	79.4
16 Minnesota.....	4,299	184,766	2.33	17	1.76	81.1
17 Colorado.....	4,230	167,918	2.52	15	1.73	82.9
18 Indiana.....	3,252	192,195	1.69	25	1.33	84.2
19 Arizona.....	3,107	156,303	1.99	19	1.27	85.5
20 New Mexico.....	3,085	54,364	5.68	2	1.26	86.7
21 Georgia.....	2,796	296,142	0.94	37	1.14	87.9
22 Wisconsin.....	2,693	173,478	1.55	29	1.10	89.0
23 Missouri.....	2,583	178,845	1.44	30	1.05	90.0
24 District of Columbia.....	2,296	59,397	3.87	10	0.94	90.9
25 Oregon.....	2,116	118,637	1.78	23	0.86	91.8
26 Tennessee.....	2,057	178,362	1.15	32	0.84	92.6
27 Alabama.....	1,730	119,921	1.44	31	0.71	93.4
28 Delaware.....	1,532	36,336	4.22	6	0.63	94.0
29 Rhode Island.....	1,501	36,453	4.12	7	0.61	94.6
30 Idaho.....	1,434	37,031	3.87	9	0.59	95.2
31 Kansas.....	1,420	85,063	1.67	26	0.58	95.8
32 Utah.....	1,361	68,549	1.98	20	0.56	96.3
33 South Carolina.....	1,126	113,377	0.99	35	0.46	96.8
34 Iowa.....	1,017	89,600	1.14	33	0.42	97.2
35 Kentucky.....	866	118,508	0.73	43	0.35	97.6
36 New Hampshire.....	775	47,708	1.62	27	0.32	97.9
37 Oklahoma.....	660	91,773	0.72	44	0.27	98.1
38 Louisiana.....	627	137,700	0.46	49	0.26	98.4
39 Mississippi.....	513	67,315	0.76	42	0.21	98.6
40 Vermont.....	465	18,411	2.53	14	0.19	98.8
41 West Virginia.....	457	42,271	1.08	34	0.19	99.0
42 Arkansas.....	454	67,724	0.67	47	0.19	99.2
43 Nebraska.....	439	56,072	0.78	40	0.18	99.4
44 Nevada.....	377	74,745	0.50	48	0.15	99.5
45 Maine.....	319	35,981	0.89	38	0.13	99.6
46 Hawaii.....	291	42,364	0.69	46	0.12	99.8
47 Alaska.....	196	27,747	0.71	45	0.08	99.8
48 Montana.....	170	21,777	0.78	41	0.07	99.9
49 North Dakota.....	146	18,283	0.80	39	0.06	100.0
50 South Dakota.....	85	23,192	0.37	50	0.03	100.0
51 Wyoming.....	61	19,294	0.32	51	0.02	100.0
na Other and unknown.....	19,761	NA	NA	NA	NA	NA

GSP: gross state product; NA: not available; na: not applicable

NOTES: U.S. R&D total attributable to states equals \$244,852. "Other and unknown" includes R&D performed in the 50 states or District of Columbia, but the specific location of such performance was not provided by survey respondents. It also includes R&D conducted by organizations in the United States, but actual performance does not take place in a particular state or the District of Columbia (e.g., research conducted on marine vessels and research in Puerto Rico). Finally, it includes a small accounting difference because the total for the United States is based on calendar-year data, whereas data by state pertain to the fiscal year for nonindustrial performance. The U.S. total attributable to states excludes the other and unknown component. When state R&D is taken as a percentage of U.S. R&D, the denominator is U.S. total attributable to states.

SOURCES: National Science Foundation, Division of Science Resources Statistics (NSF/SRS), Survey of Industrial Research and Development, various years; NSF/SRS, Survey of Research and Development Expenditures at Universities and Colleges, various years; NSF/SRS, Survey of Federal Funds for Research and Development, various years; and NSF/SRS, Survey of Research and Development Funding and Performance by Nonprofit Organizations, various years. GSP data are from U.S. Bureau of Economic Analysis, [www.bea.gov/bea/newsrel/gspnewsrelease.htm](http://www.bea.gov/bea/newsrel/gspnewsrelease.htm), 2001.