

Table 8-15  
**Industry-performed R&D as share of private-industry output, by state: 1991, 1995, and 2000**

State	Industry-performed R&D (millions of dollars)			Private-industry output (millions of dollars)			Industry-performed R&D/ private-industry output (percent)		
	1991	1995	2000	1991	1995	2000	1991	1995	2000
All states.....	116,952	130,332	187,544	5,109,484	6,384,551	8,735,491	2.29	2.04	2.15
Alabama.....	596	686	607	62,731	80,215	100,871	0.95	0.86	0.60
Alaska.....	21	30	9	17,486	19,865	22,844	0.12	0.15	0.04
Arizona.....	1,080	1,356	2,445	60,672	90,743	135,241	1.78	1.49	1.81
Arkansas.....	NA	181	273	35,790	47,231	58,328	NA	0.38	0.47
California.....	NA	28,710	45,769	713,723	812,793	1,188,938	NA	3.53	3.85
Colorado.....	NA	1,865	3,140	66,880	93,797	149,983	NA	1.99	2.09
Connecticut.....	1,756	3,906	4,371	90,759	107,670	148,401	1.93	3.63	2.95
Delaware.....	NA	1,077	1,444	20,043	24,965	33,884	NA	4.31	4.26
District of Columbia.....	46	672	112	25,118	28,710	38,387	0.18	2.34	0.29
Florida.....	NA	4,101	3,212	231,125	300,056	413,952	NA	1.37	0.78
Georgia.....	993	1,175	1,579	127,028	176,858	260,526	0.78	0.66	0.61
Hawaii.....	13	14	44	26,932	29,278	33,500	0.05	0.05	0.13
Idaho.....	NA	827	1,338	15,786	23,534	31,882	NA	3.51	4.20
Illinois.....	5,750	5,776	10,661	255,321	322,813	419,836	2.25	1.79	2.54
Indiana.....	2,274	2,721	2,668	101,138	133,109	170,420	2.25	2.04	1.57
Iowa.....	527	998	538	50,523	63,121	78,878	1.04	1.58	0.68
Kansas.....	NA	569	1,140	45,952	54,563	73,084	NA	1.04	1.56
Kentucky.....	176	452	582	60,319	78,522	101,566	0.29	0.58	0.57
Louisiana.....	NA	61	126	84,430	98,689	128,381	NA	0.06	0.10
Maine.....	NA	286	201	19,833	23,958	31,175	NA	1.19	0.64
Maryland.....	1,376	1,075	2,032	95,836	114,084	152,905	1.44	0.94	1.33
Massachusetts.....	NA	7,416	9,863	144,891	177,676	258,215	NA	4.17	3.82
Michigan.....	9,283	12,388	17,640	170,319	226,269	290,273	5.45	5.47	6.08
Minnesota.....	2,070	2,636	3,722	91,529	117,004	167,043	2.26	2.25	2.23
Mississippi.....	NA	66	101	34,614	46,189	55,156	NA	0.14	0.18
Missouri.....	NA	2,028	1,893	97,151	123,851	156,394	NA	1.64	1.21
Montana.....	NA	17	28	11,631	14,673	18,072	NA	0.12	0.15
Nebraska.....	67	150	199	29,792	37,499	47,880	0.23	0.40	0.42
Nevada.....	95	322	248	29,645	44,133	67,778	0.32	0.73	0.37
New Hampshire.....	NA	472	586	22,434	29,459	43,729	NA	1.60	1.34
New Jersey.....	8,933	8,200	12,062	199,895	242,564	322,959	4.47	3.38	3.73
New Mexico.....	1,217	1,461	1,158	24,779	34,679	43,493	4.91	4.21	2.66
New York.....	9,457	8,651	10,539	445,505	530,410	718,871	2.12	1.63	1.47
North Carolina.....	1,470	2,226	3,672	127,213	168,801	238,869	1.16	1.32	1.54
North Dakota.....	NA	12	51	9,551	12,155	15,851	NA	0.10	0.32
Ohio.....	5,406	4,001	5,962	208,508	262,644	329,722	2.59	1.52	1.81
Oklahoma.....	448	288	333	49,628	58,256	76,199	0.90	0.49	0.44
Oregon.....	NA	741	1,651	52,266	71,012	107,644	NA	1.04	1.53
Pennsylvania.....	NA	5,331	7,873	231,389	284,861	360,516	NA	1.87	2.18
Rhode Island.....	174	520	1,090	19,018	22,454	31,889	0.91	2.32	3.42
South Carolina.....	479	739	781	56,598	73,868	94,795	0.85	1.00	0.82
South Dakota.....	6	19	44	11,983	15,825	20,467	0.05	0.12	0.21
Tennessee.....	843	1,003	1,215	88,286	120,411	156,817	0.95	0.83	0.77
Texas.....	5,439	6,211	8,961	353,185	451,194	656,638	1.54	1.38	1.36
Utah.....	407	803	979	27,647	39,006	58,765	1.47	2.06	1.67
Vermont.....	NA	248	396	10,322	12,223	15,798	NA	2.03	2.51
Virginia.....	1,275	1,577	2,718	121,399	152,134	214,822	1.05	1.04	1.27
Washington.....	3,677	4,294	9,265	103,317	128,455	189,418	3.56	3.34	4.89
West Virginia.....	NA	243	235	25,191	31,175	34,133	NA	0.78	0.69
Wisconsin.....	1,304	1,706	1,981	92,687	118,355	153,785	1.41	1.44	1.29
Wyoming.....	2	25	7	11,686	12,742	16,518	0.02	0.20	0.04
Puerto Rico.....	NA	NA	NA	NA	NA	NA	NA	NA	NA

NA not available

NOTES: The state total for industry-performed R&D in 1991 is based on the the reported value for the United States in the Survey of Industrial Research and Development: 2000, table A-30. The state total for industry-performed R&D in 1995 and 2000 is based on the sum of the 50 states and the District of Columbia. 1991 industry-performed R&D for Arkansas, California, Colorado, Florida, Idaho, Kansas, Louisiana, Maine, Massachusetts, Mississippi, Missouri, Montana, North Dakota, Oregon, and Pennsylvania have imputations of more than 50 percent and have been withheld. 1991 industry-performed R&D for Delaware, New Hampshire, Vermont, and West Virginia have been withheld to avoid disclosing information about individual companies. 1995 industry-performed R&D for Arizona, Delaware, District of Columbia, Illinois, Indiana, Minnesota, Missouri, Texas, and Washington have imputations of more than 50 percent. 2000 industry-performed R&D for Alaska, Connecticut, Delaware, Indiana, Kansas, Michigan, Minnesota, Montana, New Mexico, North Dakota, Rhode Island, Tennessee, and Washington have imputations of more than 50 percent. The state total for private-industry output for each year is the sum of the 50 states and the District of Columbia. Private-industry output is reported in current dollars.

SOURCES: National Science Foundation, Division of Science Resources Statistics, Survey of Industrial Research and Development; and U.S. Department of Commerce, Bureau of Economic Analysis, Gross State Product data.