Table 8-30
Academic R&D per $1,000 of gross state product, by state: 1993, 1998, and 2003

State	Academic R&D ($ thousands)			GSP ($ millions)			Academic R&D/ $1,000 GSP ($)		
	1993	1998	2003	1993	1998	2003	1993	1998	2003
United States	19,438,022	25,316,788	39,368,880	5,857,335	7,659,648	10,407,146	3.01	2.92	3.60
Alabama	287,849	442,088	557,859	75,293	97,941	125,567	3.45	4.16	4.27
Alaska	66,855	76,358	140,641	22,164	26,083	29,708	2.91	3.29	4.44
Arizona	310,721	405,999	617,978	72,263	113,138	171,781	3.65	2.96	3.37
Arkansas	79,299	116,778	183,183	40,950	56,455	71,929	1.70	1.90	2.46
California	2,445,089	3,389,742	5,362,683	801,193	958,476	1,367,785	2.93	3.12	3.73
Colorado	335,475	489,419	694,862	78,624	116,045	179,410	3.63	3.41	3.69
Connecticut	367,466	406,618	594,541	100,229	126,744	165,744	3.46	2.80	3.42
Delaware	53,889	72,779	104,650	21,925	28,885	47,150	2.28	1.97	2.07
District of Columbia	151,808	232,922	263,342	41,806	47,560	66,440	3.32	4.50	3.73
Florida	492,317	712,704	1,204,592	267,851	362,950	520,500	1.63	1.71	2.18
Georgia	558,188	804,151	1,175,852	146,334	215,128	305,829	3.30	3.15	3.66
Hawaii	73,961	148,007	184,602	33,579	36,959	43,998	2.06	3.93	3.96
Idaho	50,404	72,395	105,039	18,601	28,152	38,558	2.22	2.42	2.60
Illinois	776,412	1,030,819	1,613,691	286,582	377,271	486,139	2.45	2.43	3.23
Indiana	304,140	426,328	725,752	113,831	155,512	204,946	2.33	2.39	3.40
Iowa	299,528	358,613	498,669	57,677	77,244	98,232	4.78	4.28	4.87
Kansas	154,655	213,096	310,052	53,345	67,965	89,508	2.67	2.79	3.32
Kentucky	127,742	241,520	377,635	70,536	94,987	122,282	1.59	2.20	2.94
Louisiana	263,960	353,261	524,262	94,298	114,967	131,584	2.83	2.98	3.63
Maine	26,025	35,265	75,092	23,398	28,636	39,039	1.04	1.10	1.84
Maryland	701,637	887,473	1,423,186	116,226	142,910	201,879	5.62	5.49	6.68
Massachusetts	1,121,126	1,348,220	1,821,817	160,193	208,288	288,088	6.47	5.69	6.13
Michigan	705,430	882,141	1,388,284	194,253	263,871	351,287	3.19	2.86	3.86
Minnesota	336,954	367,779	517,346	103,791	141,664	200,061	2.93	2.21	2.46
Mississippi	110,963	152,683	324,298	40,839	55,997	69,136	2.38	2.53	4.51
Missouri	351,845	484,502	806,907	109,548	145,044	187,543	2.97	2.97	4.16
Montana	50,420	76,655	141,220	14,057	17,998	23,773	3.13	3.86	5.52
Nebraska	137,194	186,320	300,540	35,619	48,317	60,962	3.51	3.57	4.60
Nevada	79,124	83,888	154,515	33,599	54,085	81,182	1.98	1.31	1.72
New Hampshire	99,475	117,323	252,210	24,778	34,823	46,448	3.60	3.01	5.23
New Jersey	374,583	484,942	747,481	221,678	281,806	380,169	1.54	1.55	1.90
New Mexico	187,108	228,740	306,623	30,454	43,658	53,515	5.12	4.98	5.37
New York	1,596,699	1,925,264	3,089,988	508,889	630,003	792,058	2.91	2.81	3.69
North Carolina	633,916	901,995	1,397,371	146,502	201,329	300,216	3.79	3.71	4.43
North Dakota	54,175	56,945	133,615	11,664	16,075	19,780	4.20	3.27	6.19
Ohio	597,195	810,225	1,268,784	234,736	305,413	388,224	2.31	2.32	3.18
Oklahoma	174,981	208,873	295,098	59,468	74,936	95,126	2.69	2.62	2.92
Oregon	227,246	314,355	436,958	60,078	91,166	115,138	3.29	3.11	3.64
Pennsylvania	1,029,195	1,348,265	2,013,453	258,127	325,515	428,950	3.61	3.72	4.54
Rhode Island	103,194	111,979	187,131	21,607	26,665	36,988	4.37	3.79	4.75
South Carolina	185,431	248,474	435,328	68,380	89,260	122,354	2.46	2.40	3.40
South Dakota	22,565	25,474	49,977	13,832	19,073	25,003	1.41	1.22	1.83
Tennessee	279,896	346,466	599,723	101,378	141,335	190,122	2.35	2.16	2.95
Texas	1,422,062	1,697,344	2,765,634	398,935	550,014	773,455	3.17	2.70	3.36
Utah	194,685	249,147	385,158	33,691	51,442	72,974	5.07	4.13	5.02
Vermont	50,627	58,585	106,581	11,722	14,632	19,604	3.87	3.69	5.19
Virginia	408,527	494,005	773,200	152,673	196,638	287,589	2.42	2.18	2.54
Washington	434,885	542,411	869,695	122,657	161,760	232,940	3.13	2.78	3.55
West Virginia	55,282	63,446	120,514	29,352	37,346	45,518	1.71	1.60	2.58
Wisconsin	453,263	535,507	881,214	104,859	141,755	190,650	3.79	3.34	4.45
Wyoming	32,556	48,500	60,054	13,271	15,732	20,285	2.34	3.24	2.70
Puerto Rico	47,848	87,592	78,410	36,923	54,086	74,362	1.30	1.62	1.05

GSP = gross state product

NOTES: In 1998 and 2003, academic R&D was reported for all institutions. In 1993, it was reported for doctorate-granting institutions only. For Maryland, academic R&D excludes R&D performed by Applied Physics Laboratory at Johns Hopkins University. GSP is reported in current dollars.

SOURCES: National Science Foundation, Division of Science Resources Statistics, *Academic Research and Development Expenditures,* various years; U.S. Department of Commerce, Bureau of Economic Analysis, Gross State Product data; and Government of Puerto Rico, Office of the Governor.

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