

Table B-6. R&D expenditures at doctorate-granting institutions, by source of funds and science and engineering field: fiscal years 1993-2000

[Dollars in thousands]

Source and field	1993	1994	1995	1996	1997	1998	1999	2000
Total	19,615,731	20,673,195	21,792,051	22,644,082	23,928,487	25,381,772	27,069,321	29,596,635
Source of funds								
Federal Government	11,748,767	12,432,161	13,099,682	13,593,138	14,039,577	14,859,456	15,800,727	17,199,786
State and local government	1,527,053	1,513,562	1,645,164	1,766,856	1,860,419	1,891,449	1,952,958	2,159,563
Industry	1,332,045	1,392,810	1,456,777	1,571,837	1,702,749	1,856,072	2,003,667	2,145,038
Institutional funds	3,540,677	3,780,184	3,997,079	4,116,703	4,639,854	4,946,184	5,349,213	5,870,744
All other sources	1,467,189	1,554,478	1,593,349	1,595,548	1,685,888	1,828,611	1,962,756	2,221,504
Field								
Engineering	3,103,783	3,298,073	3,453,216	3,641,196	3,766,131	3,995,246	4,189,370	4,475,944
Aeronautical and astronautical	207,053	211,062	235,378	228,156	242,294	245,565	250,497	240,677
Bioengineering/bio- medical	--	--	--	--	76,463	101,655	134,984	169,621
Chemical	272,060	277,152	294,895	314,947	312,984	324,012	347,285	372,132
Civil	360,628	390,570	416,524	440,989	457,609	481,639	520,466	587,120
Electrical	686,192	732,141	805,293	870,894	926,527	1,027,680	1,004,842	1,098,410
Mechanical	473,169	493,012	508,532	505,750	497,504	543,627	609,582	617,379
Metallurgical and materials	297,658	308,564	328,258	347,647	386,901	389,291	382,015	396,412
Other, n.e.c.	807,023	885,572	864,336	932,813	865,849	881,777	939,699	994,193
All sciences	16,511,948	17,375,122	18,338,835	19,002,886	20,162,356	21,386,526	22,879,951	25,120,691
Physical sciences	2,068,533	2,110,111	2,185,717	2,180,546	2,288,251	2,391,059	2,524,658	2,629,914
Astronomy	257,295	265,884	301,679	274,306	285,808	300,121	387,285	389,240
Chemistry	707,370	724,948	736,483	762,617	779,409	829,328	873,160	920,968
Physics	915,084	928,207	958,347	953,189	1,021,057	1,038,106	1,114,866	1,164,424
Other, n.e.c.	188,784	191,072	189,208	190,434	201,977	223,504	149,347	155,282
Environmental sciences	1,274,945	1,351,708	1,388,560	1,441,095	1,485,797	1,576,907	1,638,368	1,718,179
Atmospheric	206,215	199,563	204,722	221,271	242,637	265,284	284,790	285,841
Earth sciences	403,353	440,768	441,761	428,380	430,950	491,515	521,692	544,067
Oceanography	441,229	437,789	455,537	516,337	519,292	528,958	583,087	612,593
Other, n.e.c.	224,148	273,588	286,540	275,107	292,918	291,150	248,799	275,678
Mathematical sciences	259,192	271,641	266,976	276,102	277,105	298,538	300,960	325,720
Computer sciences	597,016	634,790	670,145	674,443	690,936	726,518	831,047	850,308
Life sciences	10,750,640	11,355,611	12,070,720	12,591,934	13,446,352	14,433,890	15,485,185	17,331,692
Agricultural sciences	1,522,235	1,620,812	1,771,360	1,867,092	1,911,337	1,932,265	1,975,916	2,121,246
Biological sciences	3,484,926	3,650,905	3,773,589	3,844,371	4,109,852	4,506,152	4,968,542	5,542,352
Medical sciences	5,316,035	5,631,792	6,062,944	6,382,289	6,895,633	7,456,048	7,995,398	8,990,581
Other, n.e.c.	427,444	452,102	462,827	498,182	529,530	539,425	545,329	677,513
Psychology	333,684	342,831	352,496	364,025	378,043	426,241	449,646	501,039
Social sciences	872,655	930,677	992,552	1,068,514	1,092,359	1,099,112	1,219,919	1,264,418
Economics	225,964	237,886	244,844	267,533	256,462	257,934	262,186	250,712
Political science	148,673	158,351	170,661	176,944	172,313	172,604	198,301	224,438
Sociology	176,993	189,563	207,540	221,687	248,883	242,983	259,406	289,726
Other, n.e.c.	321,025	344,877	369,507	402,350	414,701	425,591	500,026	499,542
Other sciences, n.e.c.	355,283	377,753	411,669	406,227	503,513	434,261	430,168	499,421

KEY: -- = not available
n.e.c. = not elsewhere classified

NOTE: Because of rounding, detail may not add to totals.

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Research and Development Expenditures at Universities and Colleges, Fiscal Year 2000