

**Table B-40. Federally financed R&D expenditures at universities and colleges, by science and engineering field: fiscal year 2000**

[Dollars in thousands]

Institution and ranking	Total	Engineering	Physical sciences	Environmental sciences	Math & computer sciences	Life sciences	Psychology	Social sciences	Other sciences
Total, all institutions	17,493,473	2,562,937	1,912,089	1,131,279	810,243	10,059,880	350,024	490,137	176,884
1 Johns Hopkins U <sup>1</sup>	793,266	247,231	95,181	35,596	93,316	305,404	3,453	8,019	5,066
2 U of Washington	389,622	24,906	20,168	58,356	7,899	268,355	8,716	1,222	0
3 Stanford University	367,127	91,593	48,463	6,029	16,245	199,299	3,830	1,668	0
4 University of Michigan	364,033	86,675	18,693	5,482	5,834	200,273	4,337	42,739	0
5 U CA San Diego	326,037	24,534	25,391	72,813	39,338	155,250	4,370	4,327	14
6 U of Pennsylvania	312,434	9,651	22,163	92	8,699	259,136	2,564	8,585	1,544
7 MA Institute of Tech	306,668	106,362	89,453	20,410	27,459	55,109	1,008	1,954	4,913
8 University of Colorado	300,394	23,231	63,975	56,172	7,101	136,720	6,284	5,427	1,484
9 Columbia U in City of NY	283,163	13,068	25,462	46,838	6,578	185,106	2,865	3,216	30
10 Harvard University	281,699	4,009	29,920	12,362	3,455	213,775	4,059	14,119	0
Total, 1st 10 institutions	3,724,443	631,260	438,869	314,150	215,924	1,978,427	41,486	91,276	13,051
11 U WI-Madison	278,629	41,315	31,742	17,784	7,846	148,172	17,657	14,113	0
12 U CA Los Angeles	274,162	29,689	29,115	8,514	8,616	188,919	6,501	2,796	12
13 Washington University	254,148	4,120	7,848	2,757	6,817	228,233	1,469	2,904	0
14 U CA San Francisco	248,878	0	9,033	0	0	239,282	0	563	0
15 Yale University	232,019	4,704	15,835	2,317	2,569	202,801	2,698	1,095	0
16 University of Minnesota	229,958	24,515	18,442	5,940	9,164	163,831	5,175	2,891	0
17 Cornell University	229,872	30,977	53,842	2,098	11,670	125,344	2,083	3,858	0
18 University of Pittsburgh	228,155	6,595	10,273	483	2,675	198,076	3,865	4,800	1,388
19 Pennsylvania State U	226,074	99,076	27,124	10,886	6,664	68,343	6,049	5,221	2,711
20 U of Southern California	210,872	34,857	7,862	9,513	48,514	103,260	3,394	3,009	463
Total, 1st 20 institutions	6,137,210	907,108	649,985	374,442	320,459	3,644,688	90,377	132,526	17,625
21 U CA Berkeley	208,338	56,757	53,882	3,734	5,541	76,937	4,459	5,613	1,415
22 Duke University	204,180	11,358	11,171	4,638	3,344	159,656	3,089	10,924	0
23 U of NC Chapel Hill	194,794	0	13,796	6,118	6,271	150,606	3,370	14,633	0
24 U of IL Urbana-Champaign	193,490	57,385	33,653	10,468	42,478	37,004	5,512	3,858	3,132
25 Baylor Col of Medicine	193,249	0	0	0	0	193,249	0	0	0
26 University of Arizona	187,161	29,305	50,078	6,209	5,612	89,978	0	5,979	0
27 U TX at Austin	178,889	65,769	41,510	10,450	28,669	24,953	2,980	4,416	142
28 California Inst of Tech	176,177	25,010	109,631	8,910	1,140	27,468	0	219	3,799
29 U of Alabama Birmingham	175,309	3,843	2,286	0	354	162,927	5,763	136	0
30 University of Rochester	150,593	40,942	12,455	671	2,557	88,295	4,761	912	0
Total, 1st 30 institutions	7,999,390	1,197,477	978,447	425,640	416,425	4,655,761	120,311	179,216	26,113
31 Case Western Reserve U	150,586	17,301	4,297	339	228	125,924	466	2,031	0
32 Northwestern University	150,238	30,492	14,565	642	2,813	96,823	1,836	2,725	342
33 Texas A&M University	149,639	31,008	11,732	61,397	4,618	37,616	1,583	1,685	0
34 Emory University	144,914	0	5,658	0	652	137,489	631	484	0
35 U CA Davis	141,740	12,693	12,936	2,265	2,335	109,978	1,004	529	0
36 University of Chicago	140,872	0	31,905	5,111	3,105	97,251	1,383	2,117	0
37 U of Iowa	140,764	9,534	12,384	673	1,022	112,862	2,252	1,991	46
38 U MD at College Park	136,605	40,494	34,162	4,604	12,894	11,573	2,394	30,484	0
39 Boston University	133,730	15,274	12,004	2,918	2,146	88,405	3,295	1,231	8,457
40 Ohio State University	132,219	21,302	12,728	3,953	2,940	79,507	3,422	7,992	375
Total, 1st 40 institutions	9,420,697	1,375,575	1,130,818	507,542	449,178	5,553,189	138,577	230,485	35,333
41 Vanderbilt University	129,986	8,667	10,673	207	731	103,565	2,264	3,879	0
42 Georgia Institute of Tech	126,164	81,862	8,759	9,687	16,642	3,319	1,806	1,905	2,184
43 University of Utah	124,344	15,561	10,264	3,453	11,814	81,091	1,637	524	0
44 University of Florida	120,374	23,973	12,162	1,924	4,556	72,971	3,591	1,197	0
45 University of Virginia	119,243	18,543	10,516	4,814	3,713	78,287	2,572	798	0
46 New York University	117,163	0	3,897	96	8,466	93,890	7,874	2,013	927
47 University of Cincinnati	110,475	11,604	2,360	51	35	94,624	123	1,675	3
48 Oregon Health Sciences U	109,165	0	0	0	0	104,185	4,980	0	0
49 U TX SW Med Ctr at Dallas	109,165	0	0	0	0	109,165	0	0	0
50 Indiana University	107,577	571	17,177	957	2,562	74,949	6,090	4,821	450
Total, 1st 50 institutions	10,594,353	1,536,356	1,206,626	528,731	497,697	6,369,235	169,514	247,297	38,897

See explanatory information and SOURCE at end of table.

**Table B-40. Federally financed R&D expenditures at universities and colleges, by science and engineering field: fiscal year 2000**

[Dollars in thousands]

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Institution and ranking	Total	Engineering	Physical sciences	Environmental sciences	Math & computer sciences	Life sciences	Psychology	Social sciences	Other sciences
51 University of Miami .....	106,633	944	2,134	25,388	129	68,262	6,725	3,051	0
52 U of IL Chicago .....	101,943	9,333	5,412	234	3,925	76,932	2,567	2,503	1,037
53 Yeshiva University .....	101,631	0	0	0	0	101,631	0	0	0
54 Colorado State University .....	101,429	8,162	6,338	12,451	1,392	62,328	2,530	1,558	6,670
55 University of New Mexico .....	100,442	21,979	8,668	1,735	2,680	38,214	4,232	2,382	20,552
56 Georgetown University .....	98,836	0	3,980	167	144	92,084	0	2,440	21
57 Mt Sinai Sch Med .....	98,188	0	0	0	0	98,188	0	0	0
58 Michigan State University .....	97,112	5,913	25,026	602	2,390	51,477	2,514	9,070	120
59 SUNY at Stony Brook .....	96,641	8,098	16,751	11,745	4,750	51,701	2,394	1,145	57
60 SUNY at Buffalo .....	96,410	16,121	4,448	303	2,232	67,966	3,514	1,826	0
Total, 1st 60 institutions .....	11,593,618	1,606,906	1,279,383	581,356	515,339	7,078,018	193,990	271,272	67,354
61 Univ of Hawaii at Manoa .....	95,419	6,222	14,039	30,503	333	38,123	201	1,700	4,298
62 Purdue University .....	92,010	31,300	12,804	2,683	4,528	35,919	1,634	2,993	149
63 U of MD Baltimore .....	91,212	0	0	0	0	91,212	0	0	0
64 Carnegie Mellon U .....	91,191	24,754	6,276	1,092	40,204	7,760	4,095	6,750	260
65 Louisiana State U System .....	89,007	18,937	9,796	9,649	609	47,916	341	1,753	6
66 U CA Irvine .....	88,274	5,590	11,410	1,982	4,011	61,177	2,358	1,746	0
67 U TX MD Anderson Cnrc Ctr ..	81,872	0	2,670	0	1,239	77,963	0	0	0
68 U CA Santa Barbara .....	80,754	28,834	17,170	17,649	3,673	6,476	1,830	4,984	138
69 Oregon State University .....	80,398	8,651	4,553	28,487	1,785	35,793	19	622	488
70 Rutgers the State U NJ .....	79,711	15,101	12,579	8,947	6,911	28,157	3,262	4,687	67
Total, 1st 70 institutions .....	12,463,466	1,746,295	1,370,680	682,348	578,632	7,508,514	207,730	296,507	72,760
71 UT Houston Hlth Sci Ctr .....	79,665	0	0	0	0	79,665	0	0	0
72 NC State University .....	77,328	25,259	9,498	5,291	7,227	27,299	538	1,275	941
73 U Med & Dent of NJ .....	75,318	0	0	0	0	75,318	0	0	0
74 Princeton University .....	74,681	21,220	18,039	8,035	4,528	15,571	3,743	3,545	0
75 University of Kentucky .....	73,858	12,253	5,029	379	1,544	50,133	645	1,258	2,617
76 U of Tennessee System .....	72,059	11,971	6,445	5,444	3,026	43,256	20	1,693	204
77 VA Polytech Inst & St U .....	71,127	26,084	4,766	14,804	2,533	20,481	1,057	1,402	0
78 University of Kansas .....	68,950	5,570	6,345	2,547	1,161	46,879	952	1,983	3,513
79 Thomas Jefferson U .....	67,448	0	0	0	0	67,448	0	0	0
80 Woods Hole Oceanogr Inst .....	67,036	12,801	0	54,235	0	0	0	0	0
Total, 1st 80 institutions .....	13,190,936	1,861,453	1,420,802	773,083	598,651	7,934,564	214,685	307,663	80,035
81 University of Connecticut .....	66,144	5,228	3,592	4,573	710	46,875	4,219	947	0
82 Wake Forest University .....	65,585	0	332	0	157	65,094	0	0	2
83 U of Missouri Columbia .....	65,420	8,669	2,484	548	657	45,496	2,863	4,703	0
84 U TX Hlth Sci Ctr San Ant .....	65,251	0	0	0	0	65,251	0	0	0
85 Tufts University .....	64,677	3,935	2,703	211	1,023	54,306	1,312	1,187	0
86 Wayne State University .....	64,320	3,557	5,114	30	725	52,637	1,915	342	0
87 U MA Worcester .....	64,212	0	0	0	0	64,212	0	0	0
88 University of Georgia .....	62,678	738	3,017	4,845	1,359	47,290	2,771	2,658	0
89 SUNY at Albany .....	62,059	0	1,407	3,207	769	50,670	1,767	4,239	0
90 U TX Med Br at Galveston .....	61,357	608	0	0	0	60,749	0	0	0
Total, 1st 90 institutions .....	13,832,639	1,884,188	1,439,451	786,497	604,051	8,487,144	229,532	321,739	80,037
91 University of Oklahoma .....	60,542	4,122	8,894	14,805	203	25,532	4,632	2,354	0
92 Iowa State University .....	59,976	16,863	4,714	2,071	3,462	22,669	86	9,414	697
93 Utah State University .....	57,378	31,180	3,529	3,053	869	16,066	451	811	1,419
94 New Mexico State Univ .....	57,073	39,179	3,556	2,145	3,520	7,511	393	566	203
95 Florida State University .....	56,830	7,159	21,881	10,330	3,203	6,237	2,877	5,143	0
96 Dartmouth College .....	56,369	7,112	2,266	454	1,800	41,537	2,431	308	461
97 Medical Col of Wisconsin .....	55,034	0	0	0	0	55,034	0	0	0
98 Mississippi State U .....	53,808	25,329	1,315	2,522	855	21,170	73	1,357	1,187
99 Virginia Commonwealth U .....	52,137	1,629	3,332	18	196	45,047	1,417	498	0
100 Tulane University .....	52,080	3,300	1,337	1,329	564	40,122	106	1,656	3,666
Total, 1st 100 institutions .....	14,393,866	2,020,061	1,490,275	823,224	618,723	8,768,069	241,998	343,846	87,670

See explanatory information and SOURCE at end of table.

**Table B-40. Federally financed R&D expenditures at universities and colleges, by science and engineering field: fiscal year 2000**

[Dollars in thousands]

Institution and ranking	Total	Engineering	Physical sciences	Environmental sciences	Math & computer sciences	Life sciences	Psychology	Social sciences	Other sciences
101 U of South Carolina .....	51,872	14,923	8,076	6,655	2,272	14,074	2,890	2,779	203
102 U of South Florida .....	50,557	4,615	545	11,782	125	29,878	2,875	737	0
103 Brown University .....	49,943	5,626	4,771	3,377	7,658	26,011	1,400	1,100	0
104 Arizona State University .....	49,935	13,978	9,177	10,167	2,311	7,705	3,678	1,847	1,072
105 George Washington U .....	49,627	7,195	1,736	39	15,835	14,073	619	2,403	7,727
106 Washington State U .....	48,441	9,878	4,090	1,614	292	29,653	191	2,461	262
107 U of Alaska Fairbanks .....	46,605	3,234	21,678	10,884	186	8,412	0	2,211	0
108 Rockefeller U, The .....	45,211	0	2,357	0	745	42,109	0	0	0
109 U MA Amherst .....	44,697	6,800	10,292	3,385	8,834	11,795	3,449	122	20
110 Med U of South Carolina .....	41,432	0	0	0	0	41,432	0	0	0
Total, 1st 110 institutions .....	14,872,186	2,086,310	1,552,997	871,127	656,981	8,993,211	257,100	357,506	96,954
111 University of Vermont .....	39,861	622	803	253	964	35,632	516	34	1,037
112 U of New Hampshire .....	38,921	4,789	1,474	24,122	542	4,476	1,118	1,933	467
113 U of Rhode Island .....	38,538	2,713	824	20,311	74	8,541	3,250	473	2,352
114 Temple University .....	38,213	920	4,072	150	342	23,947	2,962	5,820	0
115 U of Nebraska at Lincoln .....	37,831	4,400	5,504	7,264	1,210	14,269	186	3,324	1,674
116 University of Delaware .....	37,716	12,009	7,945	6,630	1,813	5,482	1,270	2,567	0
117 Naval Postgrad School .....	36,476	9,691	2,285	8,792	7,597	0	0	5,000	3,111
118 Rice University .....	35,144	6,057	9,784	1,354	12,911	4,415	339	284	0
119 Rush University .....	32,573	0	0	0	0	32,178	395	0	0
120 University of Dayton .....	31,717	29,831	1,279	177	49	176	205	0	0
Total, 1st 120 institutions .....	15,239,176	2,157,342	1,586,967	940,180	682,483	9,122,327	267,341	376,941	105,595
121 Auburn University .....	31,515	12,106	2,152	324	233	12,106	393	842	3,359
122 Clemson University .....	31,304	9,636	1,906	300	1,039	17,023	36	1,231	133
123 Kansas State University .....	31,185	5,611	6,605	189	659	15,941	577	1,022	581
124 University of Oregon .....	30,793	797	6,075	1,992	3,110	15,174	2,333	1,312	0
125 Montana St U Bozeman .....	30,564	4,797	8,079	292	184	14,484	0	1,232	1,496
126 U of Arkansas Medical Sci .....	29,962	0	0	0	0	29,962	0	0	0
127 Syracuse University .....	29,630	6,844	4,736	888	9,670	3,202	1,400	2,090	800
128 U Mississippi, All Camp .....	28,107	2,433	9,574	0	224	13,333	173	824	1,546
129 West Virginia University .....	28,013	8,668	2,605	2,180	408	13,420	128	6	598
130 MCP Hahnemann University ..	27,379	0	0	0	0	27,127	252	0	0
Total, 1st 130 institutions .....	15,537,628	2,208,234	1,628,699	946,345	698,010	9,284,099	272,633	385,500	114,108
131 University of Notre Dame .....	27,362	7,346	13,117	0	1,329	4,237	1,084	85	164
132 Northeastern University .....	26,916	8,250	11,091	13	1,296	5,057	935	274	0
133 Saint Louis University .....	26,453	0	13	458	137	25,809	36	0	0
134 Brandeis University .....	26,444	0	3,493	0	1,484	14,241	1,641	5,585	0
135 U of Nevada Reno .....	26,267	1,968	4,659	4,307	593	13,435	694	592	19
136 U CA Santa Cruz .....	25,959	2,189	9,449	5,864	1,861	5,308	480	801	7
137 U of Alabama Huntsville .....	25,939	8,964	5,626	4,261	5,892	169	0	26	1,001
138 Rensselaer Polytech Inst .....	25,555	17,616	4,402	1,064	1,512	694	5	106	156
139 Howard University .....	25,292	1,689	3,695	97	2,135	15,284	360	1,987	45
140 Oklahoma State University .....	24,770	6,465	2,158	620	524	11,709	130	1,965	1,199
Total, 1st 140 institutions .....	15,798,585	2,262,721	1,686,402	963,029	714,773	9,380,042	277,998	396,921	116,699
141 U of Maine .....	24,412	2,553	6,459	6,399	296	6,885	269	1,551	0
142 University of Idaho .....	23,014	4,563	954	2,685	841	12,180	605	678	508
143 SUNY Hlth Sci Ctr Brklyn .....	22,860	0	0	0	0	22,860	0	0	0
144 San Diego St University .....	22,802	1,768	1,954	1,655	1,624	10,332	4,137	1,317	15
145 C R Drew U of Med & Sci .....	21,969	0	0	0	0	21,969	0	0	0
146 Texas Tech University .....	21,481	6,178	1,643	3,054	1,084	6,837	133	2,318	234
147 University of Houston .....	21,365	5,721	3,897	106	2,595	6,703	1,715	620	8
148 U CA Riverside .....	21,085	2,976	5,578	2,520	307	7,696	1,652	345	11
149 U of Arkansas Main .....	20,778	6,504	2,858	872	195	10,059	0	290	0
150 Loyola U of Chicago .....	20,695	0	1,778	20	55	16,720	1,142	980	0
Total, 1st 150 institutions .....	16,019,046	2,292,984	1,711,523	980,340	721,770	9,502,283	287,651	405,020	117,475

See explanatory information and SOURCE at end of table.

**Table B-40. Federally financed R&D expenditures at universities and colleges, by science and engineering field: fiscal year 2000**

[Dollars in thousands]

Institution and ranking	Total	Engineering	Physical sciences	Environmental sciences	Math & computer sciences	Life sciences	Psychology	Social sciences	Other sciences
151 George Mason University .....	20,669	5,513	360	4,970	1,282	2,987	1,766	3,791	0
152 Florida International U .....	20,296	8,576	2,148	3,732	1,349	1,975	252	2,264	0
153 U MD Baltimore County .....	20,244	5,107	3,227	4,654	824	4,614	385	1,433	0
154 Desert Research Institute .....	19,923	0	0	14,685	0	0	0	0	5,238
155 U of Nebraska Med Ctr .....	19,878	0	0	0	0	19,878	0	0	0
156 University of Alabama, The .....	19,486	11,227	1,980	1,654	429	1,675	1,258	1,117	146
157 Loma Linda University .....	18,811	0	0	0	0	15,930	0	826	2,055
158 Univ of Montana, The .....	18,378	0	1,004	392	1,140	13,772	147	1,821	102
159 New York Medical College .....	17,975	0	0	0	0	17,975	0	0	0
160 University of Louisville .....	17,713	1,504	1,146	33	68	13,668	982	312	0
Total, 1st 160 institutions .....	16,212,419	2,324,911	1,721,388	1,010,460	726,862	9,594,757	292,441	416,584	125,016
161 NJ Inst of Technology .....	17,381	3,358	693	0	664	0	0	0	12,666
162 Boston College .....	16,673	0	5,424	377	7,373	1,115	343	2,041	0
163 U PR Med Sci Campus .....	16,657	0	0	0	0	16,657	0	0	0
164 Michigan Tech University .....	16,650	10,041	1,219	1,501	640	3,157	0	92	0
165 University of Wyoming .....	16,556	1,337	1,716	3,873	354	7,787	208	492	789
166 U TX at El Paso .....	16,416	6,024	1,211	3,769	1,302	2,562	714	834	0
167 Florida A&M University .....	16,278	2,272	1,696	1,720	1,177	9,364	0	49	0
168 Clark Atlanta University .....	16,170	1,403	4,060	0	1,287	2,583	97	494	6,246
169 North Dakota State U .....	15,463	556	2,918	86	739	6,616	372	3,105	1,071
170 Morehouse School of Med .....	15,419	0	0	0	0	15,419	0	0	0
Total, 1st 170 institutions .....	16,376,082	2,349,902	1,740,325	1,021,786	740,398	9,660,017	294,175	423,691	145,788
171 Medical Col of Georgia .....	15,210	0	0	0	0	15,210	0	0	0
172 U Southern Mississippi .....	15,084	291	3,014	5,860	178	1,145	167	247	4,182
173 Old Dominion University .....	14,908	7,558	1,137	3,283	921	1,226	553	230	0
174 TX A&M U Sys Hlth Sci Ctr .....	14,321	0	0	0	0	14,314	0	7	0
175 Drexel University .....	14,292	9,795	1,137	452	1,198	353	178	1,179	0
176 U of North Dakota .....	13,880	6,094	918	1,618	102	4,438	0	328	382
177 U of Nevada Las Vegas .....	13,815	979	1,616	8,350	551	1,973	0	346	0
178 U of Central Florida .....	13,801	2,914	3,106	1,543	379	1,237	844	1,321	2,457
179 OR Grad Inst Sci & Tech .....	13,743	1,217	3,170	2,949	6,380	0	0	27	0
180 CUNY City College .....	13,059	2,832	4,995	542	1,417	2,892	363	18	0
Total, 1st 180 institutions .....	16,518,195	2,381,582	1,759,418	1,046,383	751,524	9,702,805	296,280	427,394	152,809
181 Col of William & Mary .....	13,031	0	3,140	7,847	974	615	119	336	0
182 CA St U Long Beach .....	12,964	14	1,044	406	0	2,089	3,550	5,861	0
183 Lehigh University .....	12,726	8,460	2,295	1,033	195	620	123	0	0
184 Wright State University .....	12,543	1,327	1,268	188	1,297	8,064	351	0	48
185 Florida Atlantic U .....	12,359	8,496	624	133	701	85	1,414	733	173
186 U of LA Lafayette .....	12,164	2,101	375	88	1,303	8,190	0	77	30
187 Eastern VA Med School .....	12,114	0	0	0	0	12,114	0	0	0
188 Georgia State University .....	12,090	0	1,572	136	218	4,154	3,204	2,806	0
189 Colorado School of Mines .....	11,995	5,195	5,842	479	421	0	0	58	0
190 U PR Mayaguez Campus .....	11,837	2,666	1,469	1,826	390	5,414	0	25	47
Total, 1st 190 institutions .....	16,642,018	2,409,841	1,777,047	1,058,519	757,023	9,744,150	305,041	437,290	153,107

See explanatory information and SOURCE at end of table.

**Table B-40. Federally financed R&D expenditures at universities and colleges, by science and engineering field: fiscal year 2000**

[Dollars in thousands]

Institution and ranking	Total	Engi- neering	Physical sciences	Environ- mental sciences	Math & computer sciences	Life sciences	Psy- chology	Social sciences	Other sciences
191 San Jose State University .....	11,825e	3,077e	1,052e	4,363e	122e	476e	2,698e	37e	0e
192 Ohio University .....	11,695	5,643	2,410	413	243	1,882	674	207	223
193 Mercer University .....	11,350	10,049	356	0	0	935	0	10	0
194 Portland State University .....	11,217	1,043	335	811	1,018	1,444	115	6,451	0
195 NC A&T State University .....	11,187	6,954	453	0	272	3,240	132	136	0
196 Univ of Memphis, The .....	11,177	981	279	924	652	669	5,143	2,524	5
197 U MD Biotechnology Inst .....	11,157	0	0	2,773	0	8,384	0	0	0
198 Unif Svcs U of Hlth Sci .....	11,023	0	0	0	0	11,023	0	0	0
199 Illinois Inst of Tech .....	10,926	3,465	916	0	230	5,832	483	0	0
200 U MD Ctr for Environ Sci .....	10,805	0	0	10,805	0	0	0	0	0
Total, 1st 200 institutions .....	16,754,380	2,441,053	1,782,848	1,078,608	759,560	9,778,035	314,286	446,655	153,335
Total, all other sampled institutions .....	739,093	121,884	129,241	52,671	50,683	281,845	35,738	43,482	23,549

<sup>1</sup> Johns Hopkins University includes Applied Physics Laboratory.

**KEY:** e = estimated  
i = imputed

**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