

Table B-51. Federally financed R&D expenditures in the physical sciences at universities and colleges, ranked by fiscal year 2000 federally financed R&D expenditures in the physical sciences: fiscal years 1997-2000 and by subfield for 2000

[Dollars in thousands]

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Institution and ranking	1997	1998	1999	2000	2000, by subfield			
					Astronomy	Chemistry	Physics	Other
Total, all institutions	1,682,429	1,760,874	1,860,139	1,912,089	281,723	628,716	896,080	105,570
1 California Inst of Tech	80,025	85,615	103,926	109,631	42,056	12,196	55,379	0
2 Johns Hopkins U	124,228	129,077	119,458	95,181	26,943	12,217	49,549	6,472
3 MA Institute of Tech	97,740	88,749	89,506	89,453	16,496	16,690	55,491	776
4 University of Colorado	24,307	30,826	35,611	63,975	38,073	10,281	15,184	437
5 U CA Berkeley	44,972	41,521	55,380	53,882	3,877	15,774	34,223	8
6 Cornell University	42,486	42,519	64,965	53,842	13,342	9,103	30,174	1,223
7 University of Arizona	49,995	43,855	53,756	50,078	38,449	7,265	4,364	0
8 Stanford University	58,039	54,226	49,719	48,463	0	10,973	4,697	32,793
9 U TX at Austin	38,712	73,686	48,402	41,510	3,823	5,749	31,781	157
10 U MD at College Park	28,373	31,953	32,933	34,162	5,953	5,060	16,989	6,160
Total, 1st 10 institutions	588,877	622,027	653,656	640,177	189,012	105,308	297,831	48,026
11 U of IL Urbana-Champaign	29,002	31,570	32,938	33,653	4,106	10,294	19,253	0
12 University of Chicago	25,455	26,486	32,554	31,905	15,511	6,519	9,875	0
13 U WI-Madison	26,782	28,330	28,915	31,742	2,445	8,094	16,927	4,276
14 Harvard University	19,797	26,770	29,956	29,920	3,121	14,788	9,823	2,188
15 U CA Los Angeles	22,813	24,211	27,925	29,115	1,294	10,432	17,389	0
16 Pennsylvania State U	16,191	14,039	23,617	27,124	4,093	9,797	13,234	0
17 Columbia U in City of NY	19,636	21,098	20,581	25,462	3,528	6,747	2,302	12,885
18 U CA San Diego	28,344	28,576	27,724	25,391	6,689	7,251	9,776	1,675
19 Michigan State University	18,594	19,658	20,998	25,026	0	4,486	20,540	0
20 U of Pennsylvania	22,194	23,326	22,655	22,163	0	11,992	10,171	0
Total, 1st 20 institutions	817,685	866,091	921,519	921,678	229,799	195,708	427,121	69,050
21 Florida State University	28,615	25,596	22,962	21,881	0	4,229	17,463	189
22 U of Alaska Fairbanks	6,967	7,805	16,116	21,678	6,722	959	13,670	327
23 U of Washington	13,804	16,608	19,299	20,168	1,310	6,493	12,365	0
24 University of Michigan	16,389	17,171	17,108	18,693	5,575	7,317	5,608	193
25 University of Minnesota	14,998	14,874	14,357	18,442	2,252	6,122	10,068	0
26 Princeton University	20,299	19,863	20,381	18,039	1,425	6,068	10,546	0
27 Indiana University	20,317	17,336	17,701	17,177	259	5,988	10,922	8
28 U CA Santa Barbara	14,601	13,938	16,479	17,170	0	4,946	12,215	9
29 SUNY at Stony Brook	14,758	16,404	16,514	16,751	1,134	4,773	10,844	0
30 Yale University	14,081	15,267	16,174	15,835	530	5,369	9,936	0
Total, 1st 30 institutions	982,514	1,030,953	1,098,610	1,107,512	249,006	247,972	540,758	69,776
31 Northwestern University	8,592	10,954	12,193	14,565	0	8,865	3,577	2,123
32 Univ of Hawaii at Manoa	10,432	12,873	12,752	14,039	10,083	1,603	2,353	0
33 U of NC Chapel Hill	7,199	8,181	12,453	13,796	0	7,556	6,240	0
34 University of Notre Dame	9,684	11,410	11,755	13,117	0	8,826	4,291	0
35 U CA Davis	8,628	8,968	9,574	12,936	0	4,752	3,133	5,051
36 Purdue University	13,538	14,045	13,162	12,804	0	6,958	5,846	0
37 Ohio State University	12,647	11,209	11,827	12,728	1,167	5,529	6,032	0
38 Rutgers the State U NJ	10,316	10,537	12,310	12,579	0	8,071	4,508	0
39 University of Rochester	12,123	12,645	12,076	12,455	1,488	3,493	7,474	0
40 U of Iowa	12,493	11,749	11,564	12,384	1,015	2,232	9,137	0
Total, 1st 40 institutions	1,088,166	1,143,524	1,218,276	1,238,915	262,759	305,857	593,349	76,950
41 University of Florida	9,008	10,061	13,638	12,162	1,401	6,088	4,673	0
42 Boston University	9,855	10,550	11,472	12,004	1,098	2,070	4,374	4,462
43 Texas A&M University	12,435	11,139	11,842	11,732	0	6,986	4,255	491
44 U CA Irvine	12,916	12,479	12,187	11,410	0	6,979	4,431	0
45 Duke University	10,770	12,906	14,936	11,171	0	2,403	8,768	0
46 Northeastern University	4,300	5,474	5,036	11,091	0	2,406	8,685	0
47 Vanderbilt University	7,273	9,043	13,027	10,673	0	2,910	7,763	0
48 University of Virginia	10,162	10,171	10,705	10,516	1,082	6,012	3,422	0
49 U MA Amherst	14,079	13,750	9,026	10,292	0	5,667	4,612	13
50 University of Pittsburgh	9,787	8,348	9,009	10,273	489	6,436	3,326	22
Total, 1st 50 institutions	1,188,751	1,247,445	1,329,154	1,350,239	266,829	353,814	647,658	81,938

See explanatory information and SOURCE at end of table.

Table B-51. Federally financed R&D expenditures in the physical sciences at universities and colleges, ranked by fiscal year 2000 federally financed R&D expenditures in the physical sciences: fiscal years 1997-2000 and by subfield for 2000

[Dollars in thousands]

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Institution and ranking	1997	1998	1999	2000	2000, by subfield			
					Astronomy	Chemistry	Physics	Other
51 University of Utah	10,714	9,158	12,515	10,264	0	7,172	3,092	0
52 Louisiana State U System	7,221	8,015	9,094	9,796	0	5,254	4,542	0
53 Rice University	7,081	7,225	8,674	9,784	2,369	4,856	2,559	0
54 U Mississippi, All Camp	2,917	3,206	3,859	9,574	0	549	9,025	0
55 NC State University	6,728	8,565	6,258	9,498	0	4,016	5,481	1
56 U CA Santa Cruz	8,210	8,323	8,250	9,449	2,434	3,557	3,458	0
57 Arizona State University	8,939	9,996	9,978	9,177	0	4,304	2,802	2,071
58 U CA San Francisco	0	0	0	9,033	0	9,033	0	0
59 University of Oklahoma	4,932	6,079	6,383	8,894	0	7,377	1,517	0
60 Georgia Institute of Tech	9,549	9,631	8,362	8,759	0	4,127	4,632	0
Total, 1st 60 institutions	1,255,042	1,317,643	1,402,527	1,444,467	271,632	404,059	684,766	84,010
61 University of New Mexico	5,027	7,997	7,562	8,668	0	2,127	6,459	82
62 Montana St U Bozeman	4,053	5,355	5,718	8,079	0	2,869	5,210	0
63 U of South Carolina	5,554	7,236	7,007	8,076	0	5,826	2,250	0
64 University of Delaware	5,927	6,868	7,113	7,945	0	3,576	1,030	3,339
65 U of Southern California	8,270	8,799	8,099	7,862	179	5,762	1,921	0
66 Washington University	7,178	6,770	7,644	7,848	0	3,643	4,205	0
67 Kansas State University	5,109	5,819	6,181	6,605	0	1,652	4,953	0
68 U of Maine	294	737	3,654	6,459	0	229	6,230	0
69 U of Tennessee System	6,620	7,175	7,641	6,445	0	2,137	4,308	0
70 University of Kansas	4,642	5,484	5,693	6,345	275	4,725	1,343	2
Total, 1st 70 institutions	1,307,716	1,379,883	1,468,839	1,518,799	272,086	436,605	722,675	87,433
71 Colorado State University	7,538	7,529	6,706	6,338	0	4,230	2,052	56
72 Carnegie Mellon U	5,539	5,728	5,804	6,276	0	1,622	4,342	312
73 University of Oregon	5,542	6,034	6,503	6,075	0	2,614	3,461	0
74 Colorado School of Mines	2,544	2,510	3,430	5,842	0	896	4,946	0
75 Catholic U of America	3,809	3,865	7,042	5,737	0	421	1,347	3,969
76 Emory University	5,808	4,701	4,845	5,658	0	4,917	741	0
77 U of Alabama Huntsville	6,613	4,940	6,235	5,626	0	1,023	4,603	0
78 U CA Riverside	4,893	5,299	4,966	5,578	0	3,053	2,525	0
79 U of Nebraska at Lincoln	4,206	4,269	5,508	5,504	0	3,397	2,107	0
80 Boston College	3,064	3,420	4,708	5,424	0	3,914	1,510	0
Total, 1st 80 institutions	1,357,272	1,428,178	1,524,586	1,576,857	272,086	462,692	750,309	91,770
81 U of IL Chicago	3,881	4,840	4,801	5,412	0	2,765	2,647	0
82 Wayne State University	4,167	4,376	4,399	5,114	0	3,984	1,130	0
83 University of Kentucky	3,142	3,422	3,319	5,029	0	3,159	1,870	0
84 CUNY City College	7,086	6,683	5,538	4,995	0	2,327	2,627	41
85 New Mexico Highlands U	1,600	1,627	1,355	4,974	0	2,437	2,537	0
86 Brown University	4,983	4,117	4,179	4,771	0	2,290	2,481	0
87 VA Polytech Inst & St U	5,634	4,852	4,607	4,766	0	3,435	904	427
88 Syracuse University	4,859	5,954	5,249	4,736	0	1,997	2,629	110
89 Iowa State University	5,272	5,258	4,528	4,714	0	2,272	2,442	0
90 U of Nevada Reno	1,702	1,752	3,774	4,659	4	777	2,908	970
Total, 1st 90 institutions	1,399,598	1,471,059	1,566,335	1,626,027	272,090	488,135	772,484	93,318

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Institution and ranking	1997	1998	1999	2000	2000, by subfield			
					Astronomy	Chemistry	Physics	Other
91 Kent State University	4,606	5,274	5,414	4,643	0	444	1,057	3,142
92 Oregon State University	4,909	5,123	4,652	4,553	0	3,919	634	0
93 SUNY at Buffalo	4,571	5,380	5,312	4,448	0	3,403	724	321
94 Rensselaer Polytech Inst	3,294 i	4,579	4,455	4,402	0	2,511	1,891	0
95 Case Western Reserve U	4,489	5,044	5,413	4,297	175	2,700	1,422	0
96 Washington State U	3,222	3,615	4,258	4,090	0	2,013	2,077	0
97 Temple University	1,347	1,046	1,264	4,072	0	853	3,219	0
98 Clark Atlanta University	4,903	4,562	2,295 i	4,060	0	589	3,471	0
99 Georgetown University	3,530	3,364	4,372	3,980	0	3,634	346	0
100 New York University	3,773	3,557	4,288	3,897	0	2,068	1,829	0
Total, 1st 100 institutions	1,438,242	1,512,603	1,608,058	1,668,469	272,265	510,269	789,154	96,781
Total, all other sampled institutions	244,187	248,271	252,081	243,620	9,458	118,447	106,926	8,789

KEY: 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