

Appendix table 5-4

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Top 100 academic institutions in R&D expenditures, by source of funds: 2001

(Millions of current dollars)

Rank and academic institution	All sources	Federal government	State/local government	Industry	Academic institutions	All other sources
All institutions	32,723	19,191	2,315	2,234	6,553	2,430
1 University of California—Los Angeles (public)	694	313	59	33	190	99
2 University of Wisconsin—Madison (public)	604	304	35	17	188	60
3 University of Michigan, all campuses (public)	601	396	5	34	121	44
4 University of Washington—Seattle (public)	590	435	12	43	88	11
5 University of California—San Diego (public)	557	343	21	37	102	54
6 University of California—San Francisco (public)	525	277	22	36	111	79
7 Johns Hopkins University ^a (private)	517	417	1	16	35	48
8 Stanford University (private)	483	384	5	35	31	27
9 Johns Hopkins University Applied Physics Laboratory ^a (private)	482	463	—	2	16	—
10 University of Pennsylvania (private)	470	352	2	28	44	44
Total, top 10	5,522	3,685	164	282	924	467
11 University of Minnesota, all campuses (public)	462	264	58	26	80	33
12 Pennsylvania State University, all campuses (public)	458	246	24	68	112	9
13 University of California—Berkeley (public)	446	208	30	27	128	53
14 Cornell University, all campuses (private)	444	240	63	22	80	38
15 Massachusetts Institute of Technology	435	304	—	97	6	28
16 University of California—Davis (public)	432	155	50	17	171	39
17 Texas A&M University, all campuses (public)	407	149	100	35	116	6
18 Washington University (private)	407	285	7	25	59	32
19 University of Illinois at Urbana-Champaign (public)	391	195	49	11	120	16
20 Ohio State University, all campuses (public)	391	161	55	55	86	34
Total, top 20	9,795	5,894	598	665	1,883	754
21 Baylor College of Medicine (private)	381	234	4	18	56	69
22 Duke University (private)	375	218	8	104	19	26
23 Harvard University (private)	372	300	2	14	0	56
24 University of Arizona (public)	367	199	8	23	119	17
25 University of Colorado, all campuses (public)	365	309	3	9	30	15
26 University of Florida (public)	359	140	74	36	99	10
27 Columbia University in the City of New York (private)	354	318	1	3	13	19
28 University of Pittsburgh, all campuses (public)	349	269	5	15	32	28
29 University of Southern California (private)	341	246	16	23	56	0
30 Yale University (private)	322	251	—	14	18	38
Total, top 30	13,381	8,378	719	925	2,327	1,032
31 Georgia Institute of Technology, all campuses (public)	307	144	11	60	92	0
32 University of North Carolina at Chapel Hill (public)	304	222	16	7	59	0
33 North Carolina State University at Raleigh (public)	299	96	92	38	66	8
34 University of Texas at Austin (public)	295	195	20	30	36	13
35 University of Georgia (public)	272	67	53	14	137	1
36 Louisiana State University, all campuses (public)	269	95	74	17	65	19
37 University of Maryland at College Park (public)	267	146	22	7	80	13
38 Michigan State University (public)	266	112	46	11	88	8
39 Indiana University, all campuses (public)	260	117	6	6	103	29
40 Northwestern University (private)	258	158	4	14	60	22
Total, top 40	16,178	9,729	1,062	1,129	3,112	1,144
41 University of Iowa (public)	255	155	7	21	53	19
42 Purdue University, all campuses (public)	255	98	36	30	90	—
43 University of Maryland at Baltimore (public)	239	99	27	41	34	38
44 Emory University (private)	237	170	4	8	20	35
45 Rutgers the State University of New Jersey, all campuses (public)	237	77	28	11	90	31
46 University of Rochester (private)	234	167	10	24	20	14
47 University of Illinois at Chicago (public)	233	125	10	11	71	17
48 University of Alabama at Birmingham (public)	232	195	—	8	14	14
49 University of Texas Southwestern Medical Center Dallas (public)	222	132	10	13	6	62
50 Virginia Polytechnic Institute and State University (public)	216	77	58	18	53	10
Total, top 50	18,539	11,025	1,252	1,315	3,563	1,383
51 California Institute of Technology (private)	215	194	1	10	10	0
52 University of Texas M.D. Anderson Cancer Center (public)	213	94	0	27	59	33
53 University of Kentucky, all campuses (public)	212	86	38	13	61	14
54 Case Western Reserve University (private)	198	159	4	6	12	18
55 University of Utah (public)	198	127	2	6	35	27

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(Millions of current dollars)

Rank and academic institution	All sources	Federal government	State/local government	Industry	Academic institutions	All other sources
56 University of Chicago (private).....	194	156	4	2	14	18
57 University of Cincinnati, all campuses (public).....	193	128	4	6	41	14
58 New York University (private).....	191	130	3	7	26	26
59 SUNY at Buffalo, all campuses (public).....	187	97	5	12	50	23
60 Vanderbilt University (private).....	187	146	—	3	21	16
Total, top 60.....	20,525	12,341	1,313	1,406	3,892	1,572
61 University of California—Irvine (public).....	180	102	8	16	31	23
62 Iowa State University (public).....	179	62	52	13	49	3
63 Mount Sinai School of Medicine (private).....	177	109	3	18	17	30
64 Wayne State University (public).....	176	79	12	11	55	18
65 University of Missouri, Columbia (public).....	175	68	16	5	79	7
66 Boston University (private).....	172	151	—	8	0	12
67 University of South Florida (public).....	172	59	9	11	76	17
68 SUNY at Stony Brook, all campuses (public).....	168	93	3	7	54	11
69 University of Connecticut, all campuses (public).....	164	70	14	10	55	16
70 University of Medicine and Dentistry of New Jersey (public).....	162	86	9	13	38	15
Total, top 70.....	22,251	13,221	1,440	1,519	4,346	1,723
71 University of Tennessee system (public).....	162	79	34	15	18	16
72 Colorado State University (public).....	161	101	16	9	26	9
73 University of Nebraska at Lincoln (public).....	158	44	4	6	101	3
74 University of Hawaii at Manoa (public).....	157	98	33	7	19	0
75 University of New Mexico, all campuses (public).....	157	110	2	2	37	6
76 University of Kansas, all campuses (public).....	156	74	7	4	52	18
77 Oregon State University (public).....	154	85	37	—	27	5
78 University of Miami (private).....	154	112	2	18	8	14
79 University of Virginia, all campuses (public).....	150	123	—	8	12	7
80 Princeton University (private).....	149	79	3	8	42	17
Total, top 80.....	23,808	14,125	1,578	1,596	4,688	1,819
81 University of Oklahoma, all campuses (public).....	149	60	14	10	52	11
82 Yeshiva University (private).....	148	108	0	0	40	0
83 Mississippi State University (public).....	147	65	32	7	42	0
84 Rockefeller University (private).....	146	55	6	3	52	29
85 Carnegie Mellon University (private).....	145	97	3	23	0	21
86 Oregon Health Sciences University (public).....	137	112	3	12	0	11
87 University of Texas Health Science Center Houston (public).....	125	89	4	11	8	14
88 Clemson University (public).....	124	49	21	12	42	—
89 Utah State University (public).....	121	74	18	7	17	6
90 Arizona State University (public).....	119	57	4	6	49	4
Total, top 90.....	25,168	14,891	1,684	1,686	4,991	1,914
91 Medical University of South Carolina (public).....	117	61	1	7	46	1
92 University of California—Santa Barbara (public).....	116	77	3	6	19	11
93 University of Texas Health Science Center San Antonio (public).....	115	71	6	10	21	7
94 Florida State University (public).....	114	57	7	—	45	4
95 University of Massachusetts at Worcester (public).....	111	79	22	3	0	6
96 University of Alaska Fairbanks, all campuses (public).....	110	55	3	28	24	0
97 University of South Carolina, all campuses (public).....	110	52	7	4	42	5
98 Dartmouth College (private).....	109	70	4	4	24	8
99 Washington State University (public).....	108	49	5	4	38	11
100 Auburn University, all campuses (public).....	106	40	1	5	56	4
Total, top 100.....	26,285	15,501	1,744	1,758	5,307	1,971

— less than \$1 million

*Although not officially classified as a federally funded research and development center, the Johns Hopkins University Applied Physics Laboratory functions as one and performs almost as much R&D as the university. It is included as a separate entry to provide a better measure of distribution of academic R&D dollars and ranking of individual institutions.

NOTE: Public and private refer to institutional control.

SOURCES: National Science Foundation, Division of Science Resources Statistics (NSF/SRS), *Academic Research and Development Expenditures: Fiscal Year 2001*, NSF 03-316 (Arlington, VA, 2003); and NSF/SRS, WebCASPAR database system, <http://caspar.nsf.gov>.