

Appendix table 5-11

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Top 100 academic institutions in R&D expenditures, by source of funds: 2003

(Millions of current dollars)

Rank and academic institution	All sources	Federal government	State/local government	Industry	Academic institutions	All other sources
All institutions.....	40,077	24,734	2,653	2,162	7,683	2,845
1 University of California—Los Angeles (public).....	849	421	67	30	208	123
2 University of Michigan, all campuses (public).....	780	517	17	36	158	53
3 University of Wisconsin—Madison (public).....	721	396	41	16	199	69
4 University of Washington—Seattle (public).....	685	566	12	48	44	16
5 University of California—San Francisco (public).....	671	372	27	37	128	108
6 University of California—San Diego (public).....	647	400	24	29	123	71
7 Johns Hopkins University (private).....	637	525	3	18	41	51
8 Johns Hopkins University Applied Physics Laboratory ^a (private).....	607	582	1	2	18	4
9 Stanford University (private).....	603	484	4	31	42	42
10 University of Pennsylvania (private).....	565	416	2	27	43	77
Total, top 10.....	6,765	4,678	199	274	1,001	614
11 Cornell University, all campuses (private).....	555	321	62	26	104	43
12 Pennsylvania State University, all campuses (public).....	533	301	56	78	97	1
13 Duke University (private).....	520	307	15	122	46	31
14 Texas A&M University, all campuses (public).....	511	204	115	29	143	21
15 University of Minnesota, all campuses (public).....	509	293	59	24	70	61
16 University of California—Berkeley (public).....	507	238	35	22	142	70
17 Ohio State University, all campuses (public).....	496	198	12	46	188	52
18 University of Illinois at Urbana-Champaign (public).....	494	266	53	13	141	20
19 Massachusetts Institute of Technology (private).....	486	356	—	81	13	36
20 University of California—Davis (public).....	482	208	40	23	164	48
Total, top 20.....	11,859	7,371	645	737	2,108	996
21 Washington University (private).....	474	357	10	13	59	35
22 Baylor College of Medicine (private).....	462	303	3	18	62	77
23 University of Arizona (public).....	455	259	18	31	126	21
24 Columbia University in the City of New York (private).....	438	386	2	5	22	23
25 University of Colorado, all campuses (public).....	437	378	8	10	22	18
26 University of Florida (public).....	430	195	71	24	124	16
27 University of Southern California (private).....	414	300	11	25	77	0
28 University of Pittsburgh, all campuses (public).....	410	346	11	4	24	25
29 Harvard University (private).....	409	349	2	6	0	53
30 University of North Carolina at Chapel Hill (public).....	391	281	16	7	88	0
Total, top 30.....	16,177	10,524	796	881	2,712	1,264
31 Yale University (private).....	388	297	—	15	25	49
32 Georgia Institute of Technology, all campuses (public).....	364	204	8	33	116	4
33 University of Texas at Austin (public).....	344	232	21	32	43	16
34 Indiana University, all campuses (public).....	338	154	5	8	125	46
35 Emory University (private).....	323	228	8	6	33	48
36 University of Maryland at College Park (public).....	322	183	19	8	101	10
37 Michigan State University (public).....	321	134	57	11	107	13
38 Northwestern University (private).....	320	200	3	9	76	31
39 University of Texas M.D. Anderson Cancer Center (public).....	315	123	78	31	45	37
40 Louisiana State University, all campuses (public).....	315	99	88	16	88	23
Total, top 40.....	19,526	12,378	1,084	1,052	3,470	1,541
41 Purdue University, all campuses (public).....	309	129	44	35	101	—
42 University of Georgia (public).....	300	94	57	16	132	—
43 University of Maryland at Baltimore (public).....	297	126	28	65	41	37
44 University of Iowa (public).....	292	197	9	21	55	10
45 University of Illinois at Chicago (public).....	292	168	9	7	86	21
46 North Carolina State University at Raleigh (public).....	286	96	83	36	63	8
47 University of Rochester (private).....	286	208	12	25	28	13
48 University of Alabama at Birmingham (public).....	284	245	—	6	19	14
49 University of Texas Southwestern Medical Center Dallas (public).....	277	177	16	12	7	65
50 Vanderbilt University (private).....	276	222	—	5	37	12
Total, top 50.....	22,426	14,041	1,342	1,280	4,040	1,720
51 Rutgers the State University of New Jersey, all campuses (public).....	275	106	35	11	95	27
52 University of Kentucky, all campuses (public).....	272	120	42	7	85	18
53 University of Cincinnati, all campuses (public).....	255	185	5	5	46	13
54 Case Western Reserve University (private).....	251	205	6	5	15	19
55 Virginia Polytechnic Institute and State University (public).....	248	98	58	25	56	10

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Top 100 academic institutions in R&D expenditures, by source of funds: 2003

(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).....	247	201	7	3	16	20
57 New York University (private).....	242	166	6	8	29	33
58 California Institute of Technology (private).....	241	219	4	5	11	2
59 SUNY at Buffalo, all campuses (public).....	240	130	8	11	68	24
60 University of California–Irvine (public).....	235	134	11	11	49	29
Total, top 60.....	24,930	15,606	1,523	1,371	4,511	1,917
61 Boston University (private).....	225	204	—	8	0	12
62 University of Utah (public).....	224	152	3	5	37	27
63 University of Tennessee system (public).....	217	100	40	14	43	19
64 Mount Sinai School of Medicine (private).....	215	153	5	13	20	24
65 Wayne State University (public).....	214	103	17	14	65	15
66 University of South Florida (public).....	213	106	10	2	72	23
67 University of Virginia, all campuses (public).....	206	173	—	9	13	10
68 University of Missouri, Columbia (public).....	205	84	22	5	89	5
69 SUNY at Stony Brook, all campuses (public).....	200	112	5	5	65	14
70 Iowa State University (public).....	200	82	42	14	58	3
Total, top 70.....	27,049	16,877	1,666	1,459	4,973	2,069
71 Oregon Health Sciences University (public).....	197	164	4	9	7	14
72 Rockefeller University (private).....	192	75	8	3	76	30
73 University of Medicine and Dentistry of New Jersey (public).....	191	105	10	11	42	22
74 University of Connecticut, all campuses (public).....	190	112	7	12	44	16
75 Colorado State University (public).....	187	117	21	15	32	2
76 Carnegie Mellon University (private).....	186	158	4	13	6	6
77 University of Nebraska at Lincoln (public).....	185	59	5	7	109	4
78 Princeton University (private).....	180	104	5	8	49	13
79 University of Hawaii at Manoa (public).....	179	144	12	7	17	0
80 University of Miami (private).....	178	131	5	17	9	16
Total, top 80.....	28,914	18,046	1,747	1,562	5,364	2,191
81 Yeshiva University (private).....	177	129	0	0	48	0
82 Washington State University (public).....	175	71	7	4	83	11
83 University of Oklahoma, all campuses (public).....	174	75	14	11	59	15
84 University of Kansas, all campuses (public).....	173	91	6	3	62	11
85 Oregon State University (public).....	168	100	32	—	30	5
86 Mississippi State University (public).....	166	80	32	6	48	0
87 University of New Mexico, all campuses (public).....	158	107	3	2	41	5
88 Dartmouth College (private).....	156	106	3	5	29	13
89 University of Texas Medical Branch at Galveston (public).....	153	93	14	8	25	14
90 Clemson University (public).....	153	63	17	12	61	—
Total, top 90.....	30,568	18,960	1,877	1,613	5,850	2,264
91 Florida State University (public).....	152	88	10	1	48	5
92 Medical University of South Carolina (public).....	151	93	—	7	44	5
93 University of Texas Health Science Center Houston (public).....	149	107	3	12	12	15
94 University of California–Santa Barbara (public).....	149	88	3	14	27	18
95 University of Massachusetts at Worcester (public).....	149	109	27	4	0	8
96 Arizona State University (public).....	146	72	18	8	44	3
97 Utah State University (public).....	139	95	19	3	17	3
98 University of Texas Health Science Center San Antonio (public).....	133	87	6	8	22	11
99 Wake Forest University (private).....	130	108	—	13	2	7
100 University of Alaska Fairbanks, all campuses (public).....	129	73	3	23	30	0
Total, top 100.....	31,995	19,881	1,965	1,707	6,097	2,339

— = < \$1 million

*Not officially classified as federally funded research and development center but functions as one and performs almost as much R&D as Johns Hopkins University. Included as separate entry to provide 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, *Academic Research and Development Expenditures: Fiscal Year 2003* (forthcoming); and Integrated Science and Engineering Resources Data System (WebCASPAR), <http://webcaspar.nsf.gov>.