TABLE 26. R&D expenditures at universities and colleges, by state, control, and science and engineering field: FY 2004

(Dollars in thousands)

State, control, and institution	All R&D expenditures	Environmental sciences	Life sciences	Math and computer sciences	Physical sciences	Psychology	Social sciences	Sciences, nec	Engineering
United States	42,945,081	2,354,063	25,650,300	1,854,477	3,545,031	782,481	1,669,746	776,956	6,312,027
Public	29,292,010	1,896,244	16,862,248	1,197,785	2,362,500	568,059	1,328,005	593,233	4,483,936
Private	13,653,071	457,819	8,788,052	656,692	1,182,531	214,422	341,741	183,723	1,828,091
Alabama	570,982	11,909	410,941	13,916	26,206	11,304	9,643	4,600	82,463
Public	558,962	11,904	402,841	13,898	25,809	11,304	7,318	4,600	81,288
AL A&M U.	17,429	0	13,288	274	2,163	0	237	903	564
AL State U.	1,688	0	1,416	210	0	0	62	0	0
Auburn U. all campuses	125,705	1,636	79,811	464	6,944	665	2,223	3,575	30,387
U. AL, The	33,835	1,612	3,441	2,743	3,481	2,821	2,377	40	17,320
U. AL Birmingham, The	310,950	0	288,286	1,310	3,100	7,514	983	0	9,757
U. AL Huntsville, The	49,259	6,796	2,105	8,630	9,831	18	467	77	21,335
U. South AL	20,096	1,860	14,494	267	290	286	969	5	1,925
Private	12,020	5	8,100	18	397	0	2,325	0	1,175
Oakwood C.	501 i	5 i	297 i	18 i	181 i	0 i	0 i	0 i	0 i
Tuskegee U.	11,519	0	7,803	0	216	0	2,325	0	1,175
Alaska	146,465	68,036	29,491	12,704	2,059	41	1,268	18,462	14,404
Public	146,465	68,036	29,491	12,704	2,059	41	1,268	18,462	14,404
U. AK Anchorage all campuses	13,285	0 i	0 i	0 i	0 i	0 i	0 i	13,285 i	0 i
U. AK Fairbanks all campuses	132,212	67,891	29,193	12,616	1,919	0	1,206	5,112	14,275
U. AK Southeast all campuses	968	145 i	298 i	88 i	140 i	41 i	62 i	65 i	129 i
Arizona	650,961	25,959	298,948	18,048	147,730	12,846	30,118	7,805	109,507
Public	650,811	25,945	298,900	18,041	147,691	12,836	30,107	7,791	109,500
AZ State U. main campus	152,164	11,197	29,588	7,055	21,447	8,694	10,878	7,657	55,648
Northern AZ U.	19,967	2,777	13,724	341	1,678	6	1,017	114	310
U. AZ	478,680	11,971	255,588	10,645	124,566	4,136	18,212	20	53,542
Private	150	14	48	7	39	10	11	14	7
Prescott C.	150 i	14 i	48 i	7 i	39 i	10 i	11 i	14 i	7 i
Arkansas	182,958	4,587	141,301	2,115	11,791	474	4,010	182	18,498
Public	182,327	4,500	141,154	2,115	11,603	474	4,009	182	18,290
AR State U. main campus	4,572	257	3,786	0	428	26	0	0	75
AR Tech U.	842	416 i	318 i	1 i	6 i	0 i	0 i	17 i	84 i
U. AR for Medical Sciences	74,063	0	74,063	0	0	0	0	0	0
U. AR Little Rock	4,127	43	202	661	280	0	0	0	2,941
U. AR main campus	88,918	3,248	56,053	1,116	10,107	335	3,516	0	14,543
U. AR Pine Bluff	6,246	0	5,687	0	284	0	275	0	0
U. Central AR	3,559	536 i	1,045 i	337 i	498 i	113 i	218 i	165 i	647 i

TABLE 26. R&D expenditures at universities and colleges, by state, control, and science and engineering field: FY 2004
(Dollars in thousands)

State, control, and institution	All R&D expenditures	Environmental sciences	Life sciences	Math and computer sciences	Physical sciences	Psychology	Social sciences	Sciences, nec	Engineering
Private	631	87	147	0	188	0	1	0	208
Hendrix C.	631	87	147	0	188	0	1	0	208
California	5,714,383	334,509	3,303,837	318,730	644,301	81,286	205,937	86,923	738,860
Public	4,253,777	282,397	2,563,855	191,227	401,194	65,876	178,519	74,569	496,140
CA State Polytechnic U. Pomona	4,059	0	3,701	0	0	0	0	0	358
CA State Polytechnic U. San Luis Obispo	9,417	557	4,921	937	372	50	111	1,156	1,313
CA State U. Bakersfield	4,946 i	797 i	1,339 i	275 i	488 i	78 i	355 i	761 i	853 i
CA State U. Chico	4,500 e	0 i	957 i	1,203 i	9 i	151 i	887 i	654 i	639 i
CA State U. Dominguez Hills	5,320	5	2,964	1,672	501	115	63	0	0
CA State U. Fresno	15,211	692	11,798	35	180	1,284	57	0	1,165
CA State U. Fullerton	4,432	311	983	15	145	86	2,873	0	19
CA State U. Hayward	2,160	299 i	660 i	207 i	330 i	114 i	119 i	124 i	307 i
CA State U. Long Beach	9,877	701	2,731	125	737	129	355	367	4,732
CA State U. Los Angeles	8,728	1,009	2,062	119	3,014	275	217	0	2,032
CA State U. Monterey Bay	3,002	2,373	566	63	0	0	0	0	0
CA State U. Northridge	10,305	1,094	1,458	288	2,006	2,113	653	1,336	1,357
CA State U. San Bernardino	8,755	671	353	1,497	590	1,245	1,025	3,290	84
Humboldt State U.	8,391 i	742 i	5,116 i	563 i	25 i	10 i	635 i	149 i	1,151 i
Naval Postgraduate School	65,092 i	11,548 i	0 i	18,708 i	3,436 i	0 i	13,971 i	7,138 i	10,291 i
San Diego State U.	66,710	2,676	25,707	1,660	4,156	9,020	5,004	7,657	10,830
San Francisco State U.	42,903	2,849 i	11,398 i	0 i	14,398 i	0 i	0 i	5,702 i	8,556 i
San Jose State U.	29,268	11,858	483	1,356	2,926	9,056	115	990	2,484
Sonoma State U.	260	0	218	0	42	0	0	0	0
U. CA Office of the President	90,233	7,639	56,382	2,164	17,713	0	1,833	4,194	308
U. CA, Berkeley	525,598	9,093	178,073	9,179	97,862	11,531	49,840	18,625	151,395
U. CA, Davis	511,757	26,891	381,707	6,223	24,424	1,625	17,683	2,750	50,454
U. CA, Irvine	257,024	6,045	171,927	14,499	22,364	3,508	9,303	614	28,764
U. CA, Los Angeles	772,569	15,396	562,755	22,251	59,270	11,982	36,461	6,307	58,147
U. CA, Riverside	110,627	11,823	58,891	3,594	7,882	1,950	8,661	3,744	14,082
U. CA, San Diego	708,690	122,387	359,714	88,614	45,849	7,369	12,825	800	71,132
U. CA, San Francisco	728,321	0	698,712	0	29,609	0	0	0	0
U. CA, Santa Barbara	151,325	26,527	4,586	13,125	25,236	3,089	11,807	8,145	58,810
U. CA, Santa Cruz	94,297	18,414	13,693	2,855	37,630	1,096	3,666	66	16,877
Private	1,460,606	52,112	739,982	127,503	243,107	15,410	27,418	12,354	242,720
CA Institute of Technology	261,098	13,136	44,270	13,098	139,631	0	1,723	9,760	39,480
Chapman U.	965	328	175	27	0	135	242	58	0
Charles R. Drew U. of Medicine and Science	51,994	0	51,994	0	0	0	0	0	0
Claremont Graduate U.	2,295	0	0	386	0	839	1,070	0	0
Harvey Mudd C.	2,180 e	20 i	1,027 i	115 i	307 i	33 i	119 i	64 i	495 i
Loma Linda U.	29,651	0	29,648	0	0	0	3	0	0

TABLE 26. R&D expenditures at universities and colleges, by state, control, and science and engineering field: FY 2004
(Dollars in thousands)

State, control, and institution	All R&D expenditures	Environmental sciences	Life sciences	Math and computer sciences	Physical sciences	Psychology	Social sciences	Sciences, nec	Engineering
Loyola Marymount U.	736	52	170	0	111	0	1	0	402
Mt. St. Mary's C. (Los Angeles, CA)	492	0	482	0	10	0	0	0	0
Occidental C.	2,781 i	162 i	310 i	0 i	871 i	0 i	1,151 i	287 i	0 i
Pitzer C.	320	0	0	0	0	223	97	0	0
Pomona C.	1,996	77	562	66	485	565	241	0	0
Stanford U.	671,046	17,147	373,952	24,193	89,041	8,602	10,895	0	147,216
U. Redlands	2,038	1,798	36	72	81	0	15	0	36
U. San Diego	895	60	419	7	409	0	0	0	0
U. San Francisco	1,163	157	67	0	146	398	323	72	0
U. Southern CA	426,665	18,687	233,541	89,524	11,984	4,615	11,347	2,113	54,854
U. of the Pacific	2,961	488	1,999	15	31	0	191	0	237
Western U. of Health Sciences	1,330	0	1,330	0	0	0	0	0	0
Colorado	771,821	160,003	374,493	20,029	80,470	16,581	15,731	5,404	99,110
Public	757,944	159,698	370,682	19,822	77,357	14,200	15,077	5,272	95,836
CO School of Mines	27,087	2,008	0	699	6,328	0	12	0	18,040
CO State U.	214,888	71,410	96,375	4,577	10,230	3,784	3,647	3,041	21,824
CO State U. Pueblo	786	0	434	15	327	0	1	0	9
Ft. Lewis C.	227	14	139	0	64	0	10	0	0
U.S. Air Force Academy	29,998	0	742	4,373	2,926	474	849	0	20,634
U. CO Boulder	234,311	85,731	30,493	8,915	56,788	9,410	8,924	1,735	32,315
U. CO Colorado Springs	3,526	12	539	256	296	275	336	0	1,812
U. CO Denver	5,992	399	2,134	980	388	223	663	3	1,202
U. CO Health Sciences Ctr.	239,163	0	239,163	0	0	0	0	0	0
U. Northern CO	1,966	124	663	7	10	34	635	493	0
Private	13,877	305	3,811	207	3,113	2,381	654	132	3,274
CO C.	1,377 i	186 i	265 i	92 i	274 i	85 i	343 i	132 i	0 i
U. Denver	12,500	119	3,546	115	2,839	2,296	311	0	3,274
Connecticut	649,663	12,364	521,682	12,364	30,728	22,984	13,583	966	34,992
Public	212,914	8,412	150,276	3,920	7,523	12,910	7,112	684	22,077
Central CT State U.	388	0	100	0	38	2	248	0	0
Southern CT State U.	424	0	0	191	233	0	0	0	0
U.S. Coast Guard Academy	866	0	0	0	5	0	0	0	861
U. CT all campuses	211,236	8,412	150,176	3,729	7,247	12,908	6,864	684	21,216
Private	436,749	3,952	371,406	8,444	23,205	10,074	6,471	282	12,915
CT C.	626 i	4 i	242 i	34 i	145 i	2 i	27 i	23 i	149 i
Fairfield U.	1,926	1	330	128	428	216	500	255	68
Trinity C. (Hartford, CT)	768	82	114	8	146	252	72	0	94
U. Hartford	1,136	0	55	42	76	138	291	0	534
U. New Haven	1,724 i	0 i	0 i	1,720 i	0 i	0 i	0 i	4 i	0 i

TABLE 26. R&D expenditures at universities and colleges, by state, control, and science and engineering field: FY 2004
(Dollars in thousands)

State, control, and institution	All R&D expenditures	Environmental sciences	Life sciences	Math and computer sciences	Physical sciences	Psychology	Social sciences	Sciences, nec	Engineering
Wesleyan U.	7,741	343	3,666	156	2,274	1,217	85	0	0
Yale U.	422,828	3,522	366,999	6,356	20,136	8,249	5,496	0	12,070
Delaware	114,355	12,226	29,064	3,092	17,118	3,328	6,313	7,001	36,213
Public	114,355	12,226	29,064	3,092	17,118	3,328	6,313	7,001	36,213
DE State U.	4,370 i	0 i	3,820 i	269 i	281 i	0 i	0 i	0 i	0 i
U. DE	109,985	12,226	25,244	2,823	16,837	3,328	6,313	7,001	36,213
District of Columbia	303,049	544	185,029	30,221	29,960	7,542	25,361	512	23,880
Public	4,693	169	1,954	0	516	0	1,672	222	160
U. DC	4,693	169	1,954	0	516	0	1,672	222	160
Private	298,356	375	183,075	30,221	29,444	7,542	23,689	290	23,720
American U.	1,745	0	42	41	328	356	634	0	344
Catholic U. America, The	23,610	0	1,482	0	18,820	1,181	500	0	1,627
Gallaudet U.	1,804	0	392	0	0	1,355	57	0	0
George Washington U.	103,473	375	42,195	28,287	3,041	1,125	11,472	148	16,830
Georgetown U.	126,320	0	111,732	356	2,806	777	10,649	0	0
Howard U.	41,404	0	27,232	1,537	4,449	2,748	377	142	4,919
Florida	1,306,810	143,390	703,679	30,587	137,729	36,781	56,045	24,150	174,449
Public	1,089,826	94,293	569,422	27,760	132,363	26,052	53,514	22,913	163,509
FL A&M U.	31,408	2,512	21,046	625	1,980	67	1	277	4,900
FL Atlantic U.	23,767	1,518	7,115	951	5,646	533	813	0	7,191
FL Gulf Coast U.	1,407	1,083	307	0	17	0	0	0	0
FL International U.	63,545	16,191	15,633	3,756	6,496	2,597	13,846	652	4,374
FL State U.	168,132	21,459	32,559	10,475	50,839	8,574	15,029	255	28,942
New C. FL	305	98	79	12	22	24	70	0	0
U. Central FL	103,261	13,747	9,955	509	27,738	2,016	7,759	21,281	20,256
U. FL	447,146	7,879	311,513	7,165	33,960	8,952	10,482	0	67,195
U. North FL	3,029	0	1,239	131	220	88	592	0	759
U. South FL	240,021	28,375	169,407	162	5,006	3,164	3,567	448	29,892
U. West FL	7,805	1,431	569	3,974	439	37	1,355	0	0
Private	216,984	49,097	134,257	2,827	5,366	10,729	2,531	1,237	10,940
Bethune-Cookman C.	723	0	589	0	134	0	0	0	0
Eckerd C.	317 i	33 i	114 i	15 i	84 i	26 i	7 i	24 i	14 i
Embry-Riddle Aeronautical U.	8,558	224	0	56	965	0	0	829	6,484
FL Institute of Technology	7,801	1,264	924	2,451	1,657	216	0	0	1,289
Nova Southeastern U.	5,139	3,256	1,206	0	0	293	0	384	0
U. Miami	194,446	44,320	131,424	305	2,526	10,194	2,524	0	3,153
Georgia	1,221,251	30,710	655,772	73,090	60,199	32,255	63,847	6,410	298,968

TABLE 26. R&D expenditures at universities and colleges, by state, control, and science and engineering field: FY 2004

(Dollars in thousands)

State, control, and institution	All R&D expenditures	Environmental sciences	Life sciences	Math and computer sciences	Physical sciences	Psychology	Social sciences	Sciences, nec	Engineering
Public	838,934	30,610	314,309	71,883	46,490	28,925	61,437	2,050	283,230
Albany State U.	2,619	228	847	32	15	0	779	267	451
Ft. Valley State U.	2,596	0	2,596	0	0	0	0	0	0
GA Institute of Technology all campuses	410,799	15,046	16,907	61,006	26,380	3,236	11,010	1,663	275,551
GA Southern U.	2,042	479	1,244	75	161	50	33	0	0
GA State U.	45,415	397	14,509	1,712	6,596	11,634	10,447	120	0
Kennesaw State U.	374	0	23	40	311	0	0	0	0
Medical C. GA	58,808	0	58,808	0	0	0	0	0	0
Savannah State U.	2,094	1,169	437	0	0	0	0	0	488
State U. West GA	1,027	400	275	28	294	0	30	0	0
U. GA	313,160	12,891	218,663	8,990	12,733	14,005	39,138	0	6,740
Private	382,317	100	341,463	1,207	13,709	3,330	2,410	4,360	15,738
Clark Atlanta U.	13,576	0	3,919	501	3,337	263	544	3,384	1,628
Emory U.	311,685	100	298,183	497	8,774	2,461	1,670	0	0
Mercer U. all campuses	18,437	0	3,569	64	512	8	8	166	14,110
Morehouse C.	2,518 i	0 i	968 i	54 i	258 i	240 i	188 i	810 i	0 i
Morehouse School of Medicine	33,317	0	33,317	0	0	0	0	0	0
Morris Brown C.	303 i	0 i	65 i	2 i	183 i	53 i	0 i	0 i	0 i
Spelman C.	2,481	0	1,442	89	645	305	0	0	0
Hawaii	241,346	56,024	102,461	18,189	22,713	4,486	7,407	21,382	8,684
Public	241,346	56,024	102,461	18,189	22,713	4,486	7,407	21,382	8,684
U. HI Hilo	4,978	1,133	3,447	0	60	338	0	0	0
U. HI Manoa	236,368	54,891	99,014	18,189	22,653	4,148	7,407	21,382	8,684
Idaho	116,757	8,703	62,836	2,041	8,952	457	3,261	14,737	15,770
Public	116,757	8,703	62,836	2,041	8,952	457	3,261	14,737	15,770
Boise State U.	9,126	2,192	2,326	326	1,119	249	93	103	2,718
ID State U.	14,385	1,624	5,323	124	4,683	7	787	1,400	437
U. ID	93,246	4,887	55,187	1,591	3,150	201	2,381	13,234	12,615
Illinois	1,707,597	54,134	991,834	152,902	156,892	40,386	63,444	28,276	219,729
Public	907,547	48,219	402,185	132,833	73,312	23,131	49,969	21,757	156,141
Chicago State U.	1,280 i	0 i	0 i	0 i	0 i	0 i	0 i	1,280 i	0 i
Eastern IL U.	315 i	55 i	101 i	28 i	42 i	34 i	19 i	16 i	20 i
IL State U.	4,498	100	2,796	163	1,030	41	301	67	0
Northeastern IL U.	206	128	5	13	8	43	0	9	0
Northern IL U.	11,687	1,463	1,842	581	5,861	1,614	0	0	326
Southern IL U. Carbondale	53,953	1,568	32,716	767	1,744	568	1,828	2,637	12,125
Southern IL U. Edwardsville	18,973	318	2,582	1,050	973	0	4,478	4,095	5,477
U. IL Chicago	307,699	3,265	229,586	12,820	13,385	6,566	14,592	9,324	18,161
U. IL Springfield	1,491	170	96	0	16	0	1,181	28	0

TABLE 26. R&D expenditures at universities and colleges, by state, control, and science and engineering field: FY 2004
(Dollars in thousands)

State, control, and institution	All R&D expenditures	Environmental sciences	Life sciences	Math and computer sciences	Physical sciences	Psychology	Social sciences	Sciences, nec	Engineering
U. IL Urbana-Champaign	506,041	41,152	131,495	117,271	50,152	14,265	27,373	4,301	120,032
Western IL U.	1,404	0	966	140	101	0	197	0	0
Private	800,050	5,915	589,649	20,069	83,580	17,255	13,475	6,519	63,588
Augustana C. (Rock Island, IL)	599	75	101	0	328	0	0	95	0
Bradley U.	1,638	0	208	138	369	0	8	56	859
DePaul U.	3,748	19	269	397	85	2,685	293	0	0
IL Institute of Technology	22,948	0	4,877	1,172	9,148	434	9	0	7,308
Lake Forest C.	561	0	338	37	106	14	66	0	0
Loyola U. Chicago	36,134	8	34,145	156	797	707	321	0	0
Midwestern U. (Chicago, IL)	2,816	0	2,816	0	0	0	0	0	0
National U. of Health Sciences	401	0	401	0	0	0	0	0	0
Northwestern U.	358,947	911	250,795	4,965	27,063	4,098	9,450	6,368	55,297
Rosalind Franklin U. of Medicine and Science	10,614	0	10,095	0	0	519	0	0	0
Rush U.	89,254	0	86,802	0	0	2,452	0	0	0
U. Chicago	272,390	4,902	198,802	13,204	45,684	6,346	3,328	0	124
Indiana	840,957	11,005	412,929	44,322	93,331	22,006	54,958	54,604	147,802
Public	759,110	10,987	400,374	38,829	72,055	18,064	50,415	40,244	128,142
Ball State U.	7,483	566	3,249	1,353	909	93	1,142	60	111
IN State U. all campuses	1,680	339	559	0	86	243	453	0	0
IN U. all campuses	384,168	5,458	233,402	16,367	51,497	12,234	32,037	29,991	3,182
Purdue U. all campuses	365,779	4,624	163,164	21,109	19,563	5,494	16,783	10,193	124,849
Private	81,847	18	12,555	5,493	21,276	3,942	4,543	14,360	19,660
DePauw U.	199 i	18 i	47 i	14 i	58 i	9 i	3 i	18 i	32 i
Rose-Hulman Institute of Technology	6,388	0	0	1,876	1,265	0	0	0	3,247
U. of Notre Dame	74,255	0	12,420	3,577	19,271	3,932	4,531	14,309	16,215
Valparaiso U.	551	0	40	21	324	0	0	0	166
Wabash C.	454	0	48	5	358	1	9	33	0
Iowa	531,770	8,360	355,317	18,001	27,445	6,370	23,388	11,849	81,040
Public	526,334	8,109	351,802	17,928	26,505	6,275	23,213	11,462	81,040
IA State U.	211,996	5,768	103,733	14,475	10,306	798	17,597	11,021	48,298
U. IA	312,914	2,016	247,550	3,367	16,081	5,477	5,240	441	32,742
U. Northern IA	1,424	325	519	86	118	0	376	0	0
Private	5,436	251	3,515	73	940	95	175	387	0
Des Moines U. Osteopathic Medical Ctr.	676 e	0 e	676 e	0 e	0 e	0 e	0 e	0 e	0 e
Drake U.	1,255	251	138	0	382	26	71	387	0
Grinnell C.	964	0	170	63	558	69	104	0	0
Maharishi U. of Management	2,541 e	0 e	2,531 e	10 e	0 e	0 e	0 e	0 e	0 e

TABLE 26. R&D expenditures at universities and colleges, by state, control, and science and engineering field: FY 2004
(Dollars in thousands)

State, control, and institution	All R&D expenditures	Environmental sciences	Life sciences	Math and computer sciences	Physical sciences	Psychology	Social sciences	Sciences, nec	Engineering
Kansas	332,547	15,001	209,125	5,704	21,640	2,725	13,637	5,801	58,914
Public	332,547	15,001	209,125	5,704	21,640	2,725	13,637	5,801	58,914
KS State U.	119,306	526	78,673	3,948	11,048	687	3,844	2,754	17,826
Pittsburg State U.	2,101	2	279	3	1	0	0	0	1,816
U. KS all campuses	181,192	14,438	128,426	1,384	7,817	944	9,314	3,047	15,822
Wichita State U.	29,948	35	1,747	369	2,774	1,094	479	0	23,450
Kentucky	424,013	5,536	306,289	9,572	16,442	9,055	11,263	12,670	53,186
Public	424,013	5,536	306,289	9,572	16,442	9,055	11,263	12,670	53,186
Eastern KY U.	345	7	205	2	55	15	27	34	0
KY State U.	3,298	6	3,148	0	0	0	0	0	144
Morehead State U.	1,443	290	321	8	124	194	501	0	5
Murray State U.	4,059	769	2,132	83	237	4	781	0	53
Northern KY U.	876	0	266	165	205	93	147	0	0
U. KY all campuses	297,610	3,549	206,585	8,649	9,933	5,099	7,889	12,200	43,706
U. Louisville	110,653	794	92,381	555	2,298	3,163	1,901	331	9,230
Western KY U.	5,729	121	1,251	110	3,590	487	17	105	48
Louisiana	567,501	34,215	390,189	14,544	29,618	2,542	16,662	15,344	64,387
Public	428,453	33,054	270,774	12,297	24,587	2,093	13,009	14,923	57,716
Grambling State U.	1,934	53	1,224	48	609	0	0	0	0
LA State U. and A&M C.	222,556	29,364	125,640	4,417	14,428	262	6,469	7,363	34,613
LA State U. Health Sciences Ctr.	95,777	0	95,777	0	0	0	0	0	0
LA State U. Shreveport	345	0	298	10	0	0	37	0	0
LA Tech U.	16,118	0	2,690	1,202	1,642	140	761	0	9,683
McNeese State U.	834	441	46	76	68	45	1	0	157
Nicholls State U.	1,075	0	449	28	16	507	75	0	0
Southeastern LA U.	1,681	0	1,556	20	104	0	1	0	0
Southern U. and A&M C. all campuses	4,317	1,201	1,377	0	752	0	772	0	215
Southern U. New Orleans	556	0	133	10	0	0	0	413	0
U. LA Lafayette	55,218	347	35,099	5,983	1,055	344	958	7,147	4,285
U. LA Monroe	5,086	185	4,532	83	16	0	270	0	0
U. New Orleans	22,956	1,463	1,953	420	5,897	795	3,665	0	8,763
Private	139,048	1,161	119,415	2,247	5,031	449	3,653	421	6,671
Dillard U.	679	0	61	40	578	0	0	0	0
Tulane U.	132,784	897	115,925	2,013	2,942	449	3,653	421	6,484
Xavier U. LA	5,585	264	3,429	194	1,511	0	0	0	187
Maine	87,353	24,356	33,706	1,856	7,614	1,338	5,436	1,323	11,724
Public	83,279	23,243	32,483	1,794	6,551	1,222	4,939	1,323	11,724

TABLE 26. R&D expenditures at universities and colleges, by state, control, and science and engineering field: FY 2004
(Dollars in thousands)

State, control, and institution	All R&D expenditures	Environmental sciences	Life sciences	Math and computer sciences	Physical sciences	Psychology	Social sciences	Sciences, nec	Engineering
U. ME	81,216	22,830	31,107	1,687	6,551	1,222	4,772	1,323	11,724
U. Southern ME	2,063 i	413 i	1,376 i	107 i	0 i	0 i	167 i	0 i	0 i
Private	4,074	1,113	1,223	62	1,063	116	497	0	0
Bates C.	1,006	286	369	2	338	11	0	0	0
Bowdoin C.	2,073	765	684	39	434	101	50	0	0
Colby C.	995	62	170	21	291	4	447	0	0
Maryland	2,269,201	119,203	1,132,946	146,550	215,070	12,462	87,975	44,943	510,052
Public	893,102	80,604	512,554	44,476	66,158	6,606	84,686	5,117	92,901
Bowie State U.	1,883	0	235	1,507	0	0	141	0	0
Morgan State U.	8,580	0	1,323	2,480	674	2	199	83	3,819
St. Mary's C. MD	322	78	230	0	14	0	0	0	0
Towson U.	614	0	232	200	65	3	114	0	0
Uniformed Services U. of the Health Sciences	89,999	0	89,850	0	0	149	0	0	0
U.S. Naval Academy	5,985	271	0	1,070	1,075	151	70	0	3,348
U. MD Baltimore	317,293	0	317,293	0	0	0	0	0	0
U. MD Baltimore County	49,403	17,943	3,521	5,899	9,354	1,503	4,290	3,925	2,968
U. MD Biotechnology Institute	48,278	8,756	39,522	0	0	0	0	0	0
U. MD Ctr. for Environmental Science	39,631	39,631	0	0	0	0	0	0	0
U. MD College Park	325,648	11,158	58,758	33,320	54,976	4,798	79,872	0	82,766
U. MD Eastern Shore	5,466 i	2,767 i	1,590 i	0 i	0 i	0 i	0 i	1,109 i	0 i
Private	1,376,099	38,599	620,392	102,074	148,912	5,856	3,289	39,826	417,151
Goucher C.	150 i	14 i	48 i	7 i	39 i	10 i	11 i	14 i	7 i
Johns Hopkins U., The[a]	1,375,014	38,585	619,835	101,850	148,780	5,846	3,167	39,812	417,139
Loyola C.	935	0	509	217	93	0	111	0	5
Massachusetts	2,000,120	164,309	1,007,129	100,258	252,105	36,269	69,416	39,570	331,064
Public	345,833	15,457	211,942	20,453	40,990	6,678	14,689	1,349	34,275
Bridgewater State C.	258	19	18	9	41	3	168	0	0
U. MA Amherst	120,788	3,387	34,791	18,674	32,108	5,077	3,010	696	23,045
U. MA Boston	15,460	1,757	2,596	474	614	1,268	8,630	15	106
U. MA Dartmouth	18,074	8,345	1,529	905	1,791	162	299	29	5,014
U. MA Lowell	22,163	1,949	3,918	391	6,436	168	2,582	609	6,110
U. MA Worcester	169,090	0	169,090	0	0	0	0	0	0
Private	1,654,287	148,852	795,187	79,805	211,115	29,591	54,727	38,221	296,789
Amherst C.	2,604	311	702	48	1,085	156	302	0	0
Boston C.	32,158 e	514 e	4,395 e	12,544 e	8,225 e	870 e	5,610 e	0 e	0 e
Boston U.	240,867	3,890	164,576	4,565	24,437	6,622	1,085	12,480	23,212
Brandeis U.	51,498	0	27,311	1,859	6,363	3,208	12,757	0	0
Clark U.	5,638 e	1,394 e	507 e	32 e	786 e	582 e	31 e	0 e	2,306 e

TABLE 26. R&D expenditures at universities and colleges, by state, control, and science and engineering field: FY 2004
(Dollars in thousands)

State, control, and institution	All R&D expenditures	Environmental sciences	Life sciences	Math and computer sciences	Physical sciences	Psychology	Social sciences	Sciences, nec	Engineering
C. of the Holy Cross	683	0	16	107	456	97	7	0	0
Hampshire C.	3,051	176	62	688	352	216	832	217	508
Harvard U.	454,495	15,690	351,469	3,260	41,824	8,245	17,914	0	16,093
MA C. of Pharmacy and Health Sciences	457	0	457	0	0	0	0	0	0
MA Institute of Technology	543,448	28,648	130,170	49,579	104,868	1,568	6,195	21,647	200,773
Mt. Holyoke C.	2,877	578	701	775	746	21	56	0	0
New England C. of Optometry	2,297	0	2,297	0	0	0	0	0	0
Northeastern U.	47,283	0	8,253	2,633	14,081	3,514	2,665	0	16,137
Simmons C.	892	0	48	0	276	23	545	0	0
Smith C.	2,631	135	994	285	336	255	72	28	526
Tufts U.	126,432	856	101,374	1,640	5,374	4,042	5,956	0	7,190
Wellesley C.	5,714	38	701	117	723	122	285	3,728	0
Williams C.	3,130	74 i	668 i	249 i	535 i	50 i	213 i	121 i	1,220 i
Woods Hole Oceanographic Institution	114,087	96,548	0	0	0	0	0	0	17,539
Worcester Polytechnic Institute	14,045	0	486	1,424	648	0	202	0	11,285
Michigan	1,397,011	20,126	837,193	30,636	118,381	22,223	128,699	4,497	235,256
Public	1,389,924	19,962	835,693	30,011	115,961	22,105	128,319	4,226	233,647
Central MI U.	5,681	206	797	198	2,886	268	242	1,060	24
Eastern MI U.	3,266	30	1,044	49	118	753	69	0	1,203
Grand Valley State U.	4,408	1,583	409	0	74	21	168	0	2,153
MI State U.	325,438	1,409	203,707	7,784	52,277	6,472	27,952	909	24,928
MI Technological U.	35,670	6,820	809	1,952	2,159	0	538	880	22,512
Oakland U.	6,616	0	2,684	643	1,298	21	36	0	1,934
Saginaw Valley State U.	332	7	41	123	36	0	0	70	55
U. MI all campuses	769,126	8,166	441,349	13,893	38,783	10,823	92,602	448	163,062
Wayne State U.	225,475	108	182,077	2,710	15,325	3,533	6,425	859	14,438
Western MI U.	13,912	1,633	2,776	2,659	3,005	214	287	0	3,338
Private	7,087	164	1,500	625	2,420	118	380	271	1,609
Andrews U.	584	0	124	103	172	3	177	0	5
Calvin C.	1,907	89	470	293	607	112	195	51	90
Hope C.	2,213	75	655	164	1,171	0	0	0	148
Kalamazoo C.	519	0	245	45	222	0	0	7	0
Kettering U.	661	0	0	20	43	0	0	0	598
Lawrence Technological U.	655	0	0	0	0	0	8	0	647
U. Detroit Mercy	548 e	0 e	6 e	0 e	205 e	3 e	0 e	213 e	121 e
Minnesota	524,260	13,968	375,184	19,957	27,872	13,130	21,752	8	52,389
Public	517,995	12,464	373,716	19,320	26,005	12,872	21,224	8	52,386
MN State U. Mankato	929	77 i	585 i	149 i	6 i	8 i	61 i	8 i	35 i
St. Cloud State U.	2,005	155	641	85	125	0	955	0	44

TABLE 26. R&D expenditures at universities and colleges, by state, control, and science and engineering field: FY 2004
(Dollars in thousands)

State, control, and institution	All R&D expenditures	Environmental sciences	Life sciences	Math and computer sciences	Physical sciences	Psychology	Social sciences	Sciences, nec	Engineering
U. MN all campuses	515,061	12,232	372,490	19,086	25,874	12,864	20,208	0	52,307
Private	6,265	1,504	1,468	637	1,867	258	528	0	3
Augsburg C.	493	386	0	107	0	0	0	0	0
Carleton C.	1,897	887	409	118	404	76	3	0	0
Gustavus Adolphus C.	707	87	138	32	410	11	29	0	0
Macalester C.	2,371	144	514	380	710	148	475	0	0
St. Olaf C.	516	0	316	0	158	21	21	0	0
U. of St. Thomas (St. Paul, MN)	281	0	91	0	185	2	0	0	3
Mississippi	347,772	21,908	170,313	16,809	41,778	3,689	9,727	17,844	65,704
Public	346,883	21,908	169,865	16,613	41,533	3,689	9,727	17,844	65,704
Alcorn State U.	7,622	0	7,622	0	0	0	0	0	0
Jackson State U.	31,641	3,757	8,565	4,414	5,014	1,240	343	7,637	671
MS State U.	191,352	4,815	94,584	11,625	10,566	2,099	6,580	5,950	55,133
MS Valley State U.	493	0	183	218	78	0	0	0	14
U. MS all campuses	79,867	0	52,366	224	17,555	201	1,700	429	7,392
U. Southern MS	35,908	13,336	6,545	132	8,320	149	1,104	3,828	2,494
Private	889	0	448	196	245	0	0	0	0
Tougaloo C.	889 i	0 i	448 i	196 i	245 i	0 i	0 i	0 i	0 i
Missouri	841,584	15,042	684,467	10,073	28,829	15,160	22,880	552	64,581
Public	308,893	9,330	198,760	3,997	14,839	10,625	18,729	459	52,154
Lincoln U. (Jefferson City, MO)	2,181	105	2,076	0	0	0	0	0	0
Southwest MO State U.	2,935	97	1,039	4	1,548	0	29	0	218
Truman State U.	588	0	77	11	41	0	0	459	0
U. MO-Columbia	217,550	1,945	165,113	2,841	4,850	7,273	14,648	0	20,880
U. MO-Kansas City	31,968	0	24,032	488	1,867	2,230	417	0	2,934
U. MO-Rolla	41,242	7,183	661	337	4,865	19	55	0	28,122
U. MO-St. Louis	12,429	0	5,762	316	1,668	1,103	3,580	0	0
Private	532,691	5,712	485,707	6,076	13,990	4,535	4,151	93	12,427
Kirksville C. of Osteopathic Medicine	839	0	839	0	0	0	0	0	0
St. Louis U. all campuses	41,189 e	819 e	39,869 e	161 e	85 e	60 e	102 e	93 e	0 e
U. of Health Sciences	1,098	0	1,098	0	0	0	0	0	0
Washington U. St. Louis	489,565	4,893	443,901	5,915	13,905	4,475	4,049	0	12,427
Montana	154,726	4,696	92,301	2,971	17,928	776	8,122	13,273	14,659
Public	154,726	4,696	92,301	2,971	17,928	776	8,122	13,273	14,659
MT State U. Bozeman	97,696	1,184	58,661	1,294	13,947	0	3,014	7,620	11,976
MT Tech of the U. MT	5,952	2,828	290	2	242	0	0	0	2,590
U. MT, The	51,078	684	33,350	1,675	3,739	776	5,108	5,653	93

TABLE 26. R&D expenditures at universities and colleges, by state, control, and science and engineering field: FY 2004
(Dollars in thousands)

State, control, and institution	All R&D expenditures	Environmental sciences	Life sciences	Math and computer sciences	Physical sciences	Psychology	Social sciences	Sciences, nec	Engineering
Nebraska	324,541	5,137	227,799	8,908	13,706	9,650	14,018	17,214	28,109
Public	299,090	5,004	202,657	8,900	13,548	9,650	14,008	17,214	28,109
U. NE Kearney	713	3	557	0	117	2	33	1	0
U. NE Lincoln	192,846	4,925	102,350	7,063	13,287	8,660	13,097	16,922	26,542
U. NE Omaha	6,795	76	1,014	1,837	144	988	878	291	1,567
U. NE Medical Ctr.	98,736	0	98,736	0	0	0	0	0	0
Private	25,451	133	25,142	8	158	0	10	0	0
Creighton U.	25,451	133	25,142	8	158	0	10	0	0
Nevada	163,764	51,822	54,343	3,277	14,868	509	6,979	16,475	15,491
Public	163,764	51,822	54,343	3,277	14,868	509	6,979	16,475	15,491
Desert Research Institute	34,783	26,318	0	0	0	0	0	8,465	0
U. NV, Las Vegas	45,429	17,432 i	6,107 i	1,959 i	7,082 i	0 i	5,939 i	0 i	6,910 i
U. NV, Reno	83,552	8,072	48,236	1,318	7,786	509	1,040	8,010	8,581
New Hampshire	277,201	46,424	147,033	5,230	10,072	6,408	5,365	13,556	43,113
Public	103,935	45,307	26,522	403	4,540	338	4,299	1,606	20,920
U. NH	103,935	45,307	26,522	403	4,540	338	4,299	1,606	20,920
Private	173,266	1,117	120,511	4,827	5,532	6,070	1,066	11,950	22,193
Dartmouth C.	173,266	1,117	120,511	4,827	5,532	6,070	1,066	11,950	22,193
New Jersey	805,732	53,688	395,302	42,779	78,514	22,852	53,723	22,116	136,758
Public	591,328	28,736	354,889	26,222	43,274	12,935	26,142	20,619	78,511
C. NJ, The	3,165 i	0 i	351 i	633 i	177 i	328 i	323 i	1,204 i	149 i
Montclair State U.	1,047 i	375 i	317 i	266 i	34 i	55 i	0 i	0 i	0 i
NJ City U.	273	2	2	4	263	2	0	0	0
NJ Institute of Technology	74,998	0	0	6,430	8,139	0	196	17,945	42,288
Rowan U.	6,177	0	111	724	1,761	1,172	173	0	2,236
Rutgers, The State U. NJ all campuses	296,534	28,359	144,974	18,165	32,900	11,378	25,450	1,470	33,838
U. of Medicine and Dentistry NJ	209,134	0	209,134	0	0	0	0	0	0
Private	214,404	24,952	40,413	16,557	35,240	9,917	27,581	1,497	58,247
Princeton U.	188,373	17,067	38,198	12,298	31,297	9,863	27,524	0	52,126
Rider U.	1,276	10	519	0	41	54	19	633	0
Seton Hall U.	1,941	0	1,223	0	680	0	38	0	0
Stevens Institute of Technology	22,814	7,875	473	4,259	3,222	0	0	864	6,121
New Mexico	303,922	15,054	117,508	8,119	21,030	7,164	15,063	28,399	91,585
Public	303,922	15,054	117,508	8,119	21,030	7,164	15,063	28,399	91,585
NM Highlands U.	2,032	202	244	0	1,115	471	0	0	0
NM Institute of Mining and Technology	38,476	10,031	1,106	363	2,390	2	0	6,561	18,023

TABLE 26. R&D expenditures at universities and colleges, by state, control, and science and engineering field: FY 2004
(Dollars in thousands)

State, control, and institution	All R&D expenditures	Environmental sciences	Life sciences	Math and computer sciences	Physical sciences	Psychology	Social sciences	Sciences, nec	Engineering
NM State U. all campuses	93,329	833	25,766	2,865	9,456	1,026	2,551	250	50,582
U. NM all campuses	170,085	3,988	90,392	4,891	8,069	5,665	12,512	21,588	22,980
New York	3,365,658	110,115	2,264,628	118,444	279,053	76,724	95,189	32,063	389,442
Public	902,077	42,190	513,874	33,979	105,511	27,445	32,785	3,874	142,419
CUNY Baruch C.	687	2	32	37	74	148	191	203	0
CUNY Brooklyn C.	3,917	109	774	971	409	1,334	304	0	16
CUNY City C.	25,947	511	5,847	745	9,541	390	101	0	8,812
CUNY C. Staten Island	2,730	3	758	239	1,555	58	19	0	98
CUNY Graduate Ctr.	5,106	0	1,231	1,652	38	427	761	997	0
CUNY Herbert H. Lehman C.	3,291	25	285	432	156	2,330	63	0	0
CUNY Hunter C.	34,931	4,223	12,552	402	7,673	6,133	3,791	157	0
CUNY John Jay C. of Criminal Justice	900	8	0	74	6	146	55	611	0
CUNY Medgar Evers C.	568	94	84	266	124	0	0	0	0
CUNY Queens C.	6,819	339	3,797	388	1,251	781	263	0	0
CUNY York C.	1,710	0	1,536	0	174	0	0	0	0
SUNY Albany	203,977	7,391	90,232	4,262	30,653	1,797	13,158	0	56,484
SUNY Binghamton	25,405	838	3,244	1,773	3,554	3,890	3,990	39	8,077
SUNY Buffalo all campuses	258,952	1,734	185,181	10,865	16,751	4,749	4,566	712	34,394
SUNY C. Brockport	755	23	626	0	44	10	0	52	0
SUNY C. Buffalo	2,375	1,204	104	0	20	230	817	0	0
SUNY C. Cortland	392	61	196	0	32	12	91	0	0
SUNY C. Geneseo	862	4	201	60	378	195	24	0	0
SUNY C. of Environmental Science and Forestry	28,568 i	2,780 i	13,579 i	0 i	2,270 i	0 i	283 i	0 i	9,656 i
SUNY C. of Optometry	2,435	0	2,435	0	0	0	0	0	0
SUNY C. Old Westbury	1,326	0	973	10	288	0	55	0	0
SUNY C. Oswego	2,055	250	8	235	115	1,325	48	74	0
SUNY C. Plattsburgh	1,224	531	55	0	565	18	55	0	0
SUNY Fredonia	193	29	61	0	103	0	0	0	0
SUNY Health Science Ctr. Brooklyn	40,985 i	0 i	40,985 i	0 i	0 i	0 i	0 i	0 i	0 i
SUNY Purchase C.	330	70	43	0	0	0	0	217	0
SUNY Stony Brook all campuses	213,547	21,961	116,965	11,568	29,737	3,472	4,150	812	24,882
SUNY Upstate Medical U.	32,090	0	32,090	0	0	0	0	0	0
Private	2,463,581	67,925	1,750,754	84,465	173,542	49,279	62,404	28,189	247,023
Albany C. of Pharmacy	855	0	855	0	0	0	0	0	0
Albany Medical C.	15,562	0	15,562	0	0	0	0	0	0
Alfred U. all campuses	6,395	51	0	0	6	0	0	0	6,338
Barnard C.	1,516 e	95 e	212 e	42 e	280 e	820 e	67 e	0 e	0 e
Clarkson U.	14,703	0	751	280	3,200	0	0	0	10,472
Colgate U.	1,927	466	314	117	684	232	114	0	0
Columbia U. in the City of NY	468,484	54,163	322,159	10,576	36,884	3,865	10,196	5,481	25,160

TABLE 26. R&D expenditures at universities and colleges, by state, control, and science and engineering field: FY 2004
(Dollars in thousands)

State, control, and institution	All R&D expenditures	Environmental sciences	Life sciences	Math and computer sciences	Physical sciences	Psychology	Social sciences	Sciences, nec	Engineering
Cooper Union	150	0	0	0	0	0	0	0	150
Cornell U. all campuses	575,554	5,222	356,441	30,837	86,225	5,388	22,395	0	69,046
Fordham U.	3,391	25	1,132	17	23	709	1,485	0	0
Hamilton C. (Clinton, NY)	1,393	229	177	0	450	300	237	0	0
Hartwick C.	609	130	208	15	129	2	10	115	0
Hofstra U.	791 i	0 i	263 i	0 i	5 i	0 i	0 i	0 i	523 i
Iona C.	223	0	33	137	53	0	0	0	0
Ithaca C.	2,152	0	706	1,121	110	211	4	0	0
Long Island U. all campuses	1,377	298	686	0	137	256	0	0	0
Manhattan C.	271 i	0 i	0 i	0 i	0 i	0 i	0 i	0 i	271 i
Mt. Sinai School of Medicine	212,786	0	212,786	0	0	0	0	0	0
New School, The	5,642	0	1,626	1,269	0	259	2,488	0	0
NY Institute of Technology all campuses	3,476	0	2,444	0	0	0	0	0	1,032
NY Medical C.	33,521	0	33,521	0	0	0	0	0	0
NY U.	259,333	742	209,064	15,201	7,725	14,903	9,118	2,580	0
Pace U. all campuses	1,099	145	647	30	0	0	0	223	54
Polytechnic U.	11,627	0	0	2,128	154	0	312	56	8,977
Rensselaer Polytechnic Institute	56,907	2,689	956	3,839	6,132	0	1,360	0	41,931
Rochester Institute of Technology	19,423	1,171	1,545	422	6,612	0	127	66	9,480
Rockefeller U.	192,222	0	177,963	7,247	7,012	0	0	0	0
Skidmore C.	785	9	520	133	19	23	81	0	0
St. John's U. (Jamaica, NY)	1,574 i	12 i	1,193 i	3 i	0 i	349 i	17 i	0 i	0 i
Syracuse U. all campuses	58,276	1,130	3,772	6,734	5,544	3,155	7,908	17,887	12,146
Teachers C. Columbia U.	9,684	0	2,060	0	0	3,983	3,641	0	0
Union C. (Schenectady, NY)	4,068	125	655	251	369	91	2,120	0	457
U. Rochester	312,303	1,223	218,269	3,939	11,320	14,732	643	1,713	60,464
Vassar C.	2,249 i	0 i	981 i	127 i	469 i	1 i	81 i	68 i	522 i
Yeshiva U.	183,253	0	183,253	0	0	0	0	0	0
North Carolina	1,442,854	59,487	1,060,480	42,706	71,737	9,317	71,538	7,420	120,169
Public	786,960	47,561	501,066	35,006	52,003	7,378	44,673	7,305	91,968
Appalachian State U.	555	108	327	10	28	4	74	0	4
East Carolina U.	13,296	590	11,153	542	682	95	226	5	3
Elizabeth City State U.	1,044	164	147	382	0	0	0	0	351
Fayetteville State U.	166	0	98	0	43	20	0	5	0
NC Agricultural and Technical State U.	19,534	0	9,048	509	1,143	0	709	8	8,117
NC Central U.	1,219 i	0 i	848 i	0 i	329 i	0 i	42 i	0 i	0 i
NC State U.	292,720	15,594	145,675	19,061	20,885	1	7,265	4,008	80,231
U. NC Asheville	1,644	1,156	17	2	155	0	281	29	4
U. NC Chapel Hill	416,727	23,761	321,080	10,281	21,524	6,065	34,016	0	0
U. NC Charlotte	17,425	698	3,090	3,665	6,105	10	611	33	3,213

TABLE 26. R&D expenditures at universities and colleges, by state, control, and science and engineering field: FY 2004
(Dollars in thousands)

State, control, and institution	All R&D expenditures	Environmental sciences	Life sciences	Math and computer sciences	Physical sciences	Psychology	Social sciences	Sciences, nec	Engineering
U. NC Greensboro	3,762	0	2,816	132	226	379	209	0	0
U. NC Wilmington	14,381	5,468	4,548	23	473	415	237	3,217	0
Western Carolina U.	2,414	22	766	189	0	389	1,003	0	45
Winston-Salem State U.	2,073 e	0 e	1,453 e	210 e	410 e	0 e	0 e	0 e	0 e
Private	655,894	11,926	559,414	7,700	19,734	1,939	26,865	115	28,201
Duke U.	520,871	11,566	427,955	6,537	17,878	1,939	26,865	0	28,131
Shaw U.	1,270	360	782	58	0	0	0	0	70
Wake Forest U.	133,753	0	130,677	1,105	1,856	0	0	115	0
North Dakota	151,710	7,444	72,692	2,594	15,358	1,403	9,476	9,660	33,083
Public	151,710	7,444	72,692	2,594	15,358	1,403	9,476	9,660	33,083
ND State U. all campuses	102,115	297	56,857	2,364	14,277	1,333	9,436	6,912	10,639
U. ND all campuses	49,595	7,147	15,835	230	1,081	70	40	2,748	22,444
Ohio	1,318,420	22,341	777,251	41,529	91,929	16,948	55,413	15,128	297,881
Public	1,020,803	21,255	597,318	40,221	81,981	16,132	53,923	15,123	194,850
Air Force Institute of Technology	13,001	62	0	1,701	3,288	0	0	1,416	6,534
Bowling Green State U. all campuses	8,271	203	2,104	143	1,816	1,428	1,421	640	516
Central State U.	597 i	221 i	30 i	33 i	8 i	8 i	11 i	35 i	251 i
Cleveland State U.	16,888	642	2,135	101	1,012	80	6,387	0	6,531
Kent State U. all campuses	12,712	746	2,702	642	4,726	1,584	427	1,884	1
Medical C. OH	20,159	0	20,159	0	0	0	0	0	0
Miami U. all campuses	15,377	414 i	3,525 i	1 i	3,998 i	983 i	2,657 i	3,339 i	460 i
Northeastern OH Universities C. of Medicine	5,601	0	5,601	0	0	0	0	0	0
OH State U. all campuses	518,088	11,398	288,853	30,224	31,277	6,752	32,793	5,833	110,958
OH U. all campuses	38,704	1,159	9,623	354	6,977	1,490	1,175	0	17,926
U. Akron all campuses	27,488	741	2,015	980	10,685	227	5,342	0	7,498
U. Cincinnati all campuses	276,326	689	234,726	683	7,070	1,390	3,340	1,613	26,815
U. Toledo	27,708	4,502	4,173	57	6,903	223	254	280	11,316
Wright State U. all campuses	38,052	478	21,437	5,251	3,011	1,966	82	83	5,744
Youngstown State U.	1,831	0	235	51	1,210	1	34	0	300
Private	297,617	1,086	179,933	1,308	9,948	816	1,490	5	103,031
Case Western Reserve U.	231,800	738	179,087	658	8,937	680	1,432	0	40,268
C. Wooster	281 e	23 i	1 i	0 i	198 i	59 i	0 i	0 i	0 i
Denison U.	415	26	81	0	256	0	52	0	0
John Carroll U.	478	0	118	301	59	0	0	0	0
Oberlin C.	381	42	145	0	156	38	0	0	0
OH Wesleyan U.	297 i	0 i	192 i	0 i	77 i	28 i	0 i	0 i	0 i
U. Dayton	63,734	77	263	349	265	11	6	0	62,763
U. Findlay, The	231	180	46	0	0	0	0	5	0

TABLE 26. R&D expenditures at universities and colleges, by state, control, and science and engineering field: FY 2004
(Dollars in thousands)

State, control, and institution	All R&D expenditures	Environmental sciences	Life sciences	Math and computer sciences	Physical sciences	Psychology	Social sciences	Sciences, nec	Engineering
Oklahoma	283,408	31,581	152,662	7,012	23,298	1,748	16,990	6,129	43,988
Public	268,033	31,376	151,246	3,299	21,890	1,716	16,399	6,129	35,978
Langston U.	3,578	0	3,578	0	0	0	0	0	0
Northeastern State U.	1,422 i	0 i	886 i	8 i	100 i	5 i	331 i	92 i	0 i
OK State U. all campuses	103,915	1,737	58,529	954	8,524	418	7,519	6,037	20,197
Southeastern OK State U.	383	0	244	0	139	0	0	0	0
U. Central OK	157	0	65	0	70	0	0	0	22
U. OK all campuses	158,578	29,639	87,944	2,337	13,057	1,293	8,549	0	15,759
Private	15,375	205	1,416	3,713	1,408	32	591	0	8,010
U. Tulsa	15,375	205	1,416	3,713	1,408	32	591	0	8,010
Oregon	505,065	42,572	334,028	28,775	15,532	18,724	15,481	24,925	25,028
Public	501,624	42,568	333,022	28,664	14,380	18,627	14,607	24,925	24,831
Eastern OR U.	288	34	148	22	69	5	10	0	0
OR Health & Science U.	254,447	0	204,065	17,805	0	10,047	0	22,530	0
OR Institute of Technology	2,378	8	0	430	0	0	0	0	1,940
OR State U.	170,286	37,912	100,349	3,721	4,034	69	2,636	1,696	19,869
Portland State U.	21,433 e	2,618 e	3,377 e	2,411 e	1,772 e	371 e	7,689 e	699 e	2,496 e
Southern OR U.	836	21	490	20	225	0	80	0	0
U. OR	51,956	1,975	24,593	4,255	8,280	8,135	4,192	0	526
Private	3,441	4	1,006	111	1,152	97	874	0	197
Lewis and Clark C.	399	0	125	68	144	38	24	0	0
Pacific U.	885 i	0 i	0 i	0 i	239 i	0 i	646 i	0 i	0 i
Reed C.	1,295	0	438	0	602	59	196	0	0
U. Portland	634	0	294	43	92	0	8	0	197
Willamette U.	228	4	149	0	75	0	0	0	0
Pennsylvania	2,206,023	45,966	1,300,564	166,735	145,951	53,993	87,450	28,762	376,602
Public	1,142,737	42,026	649,577	47,671	83,796	36,989	34,686	15,983	232,009
Indiana U. PA all campuses	2,368	53	131	222	62	537	242	745	376
Lincoln U. (Lincoln University, PA)	526	0	404	0	122	0	0	0	0
PA State U. all campuses	600,139	41,057	198,726	39,923	59,831	18,626	25,994	6,082	209,900
Temple U.	76,055	224	53,739	815	3,597	10,338	3,459	0	3,883
U. Pittsburgh all campuses	461,693	654	396,405	4,990	20,164	7,488	4,986	9,156	17,850
West Chester U. PA	1,956	38	172	1,721	20	0	5	0	0
Private	1,063,286	3,940	650,987	119,064	62,155	17,004	52,764	12,779	144,593
Allegheny C.	1,007	15	134	0	549	1	118	190	0
Bryn Mawr C.	5,664	333	468	544	1,033	1,982	1,304	0	0
Bucknell U.	1,817	72	112	39	380	3	0	0	1,211

TABLE 26. R&D expenditures at universities and colleges, by state, control, and science and engineering field: FY 2004
(Dollars in thousands)

State, control, and institution	All R&D expenditures	Environmental sciences	Life sciences	Math and computer sciences	Physical sciences	Psychology	Social sciences	Sciences, nec	Engineering
Carnegie Mellon U.	205,149	219	7,028	103,519	17,471	7,637	11,799	1,484	55,992
Dickinson C.	1,608	175	620	55	509	34	204	0	11
Drexel U.	76,120	0	35,854	1,573	2,958	1,044	31	0	34,660
Duquesne U.	8,082	0	5,171	232	2,553	1	125	0	0
Franklin & Marshall C.	1,300	172	390	6	597	84	51	0	0
Haverford C.	1,679	0 i	704 i	51 i	787 i	108 i	29 i	0 i	0 i
Juniata C.	898	205	537	0	129	0	27	0	0
La Salle U.	260	0	89	67	27	0	77	0	0
Lafayette C.	1,806	20	103	83	224	54	1	452	869
Lehigh U.	32,048	1,824	1,968	1,111	5,802	187	47	0	21,109
PA C. of Optometry	1,509	0	1,509	0	0	0	0	0	0
Philadelphia C. of Osteopathic Medicine	961	0	961	0	0	0	0	0	0
St. Joseph's U.	3,250	0	437	219	77	157	344	2,016	0
Swarthmore C.	2,200	0	332	59	707	449	354	80	219
Thomas Jefferson U.	112,078	0	112,078	0	0	0	0	0	0
U. PA	596,756	704	480,121	11,068	27,360	5,122	38,184	8,248	25,949
U. Scranton	1,528	0	1,196	11	311	7	3	0	0
U. of the Sciences Philadelphia	544	0	544	0	0	0	0	0	0
Villanova U.	6,455 i	153 i	504 i	389 i	636 i	134 i	66 i	0 i	4,573 i
Widener U. all campuses	267 i	48 i	0 i	38 i	0 i	0 i	0 i	181 i	0 i
Wilkes U.	300	0	127	0	45	0	0	128	0
Rhode Island	192,326	32,339	87,623	14,149	13,828	6,285	7,254	6,123	24,725
Public	60,947	25,824	18,449	591	859	3,662	98	6,123	5,341
U. RI	60,947	25,824	18,449	591	859	3,662	98	6,123	5,341
Private	131,379	6,515	69,174	13,558	12,969	2,623	7,156	0	19,384
Brown U.	130,741	6,235	68,879	13,558	12,924	2,605	7,156	0	19,384
Providence C.	286	0	223	0	45	18	0	0	0
Roger Williams U. Bristol	352	280	72	0	0	0	0	0	0
South Carolina	455,964	24,670	254,919	8,081	29,896	7,321	20,222	21,144	89,711
Public	453,118	24,509	253,352	8,042	29,031	7,107	20,222	21,144	89,711
Clemson U.	158,585	5	49,788	3,776	10,835	908	11,158	18,251	63,864
Coastal Carolina U.	1,260	1,131	37	0	92	0	0	0	0
C. Charleston	4,875	2,653	643	175	564	37	343	460	0
Medical U. SC	163,179	0	163,179	0	0	0	0	0	0
SC State U.	3,548	0	779	0	1,702	0	1,006	0	61
U. SC all campuses	121,671	20,720	38,926	4,091	15,838	6,162	7,715	2,433	25,786
Private	2,846	161	1,567	39	865	214	0	0	0
Benedict C.	1,035	0	1,035	0	0	0	0	0	0

TABLE 26. R&D expenditures at universities and colleges, by state, control, and science and engineering field: FY 2004
(Dollars in thousands)

State, control, and institution	All R&D expenditures	Environmental sciences	Life sciences	Math and computer sciences	Physical sciences	Psychology	Social sciences	Sciences, nec	Engineering
Claflin U.	255	0	255	0	0	0	0	0	0
Furman U.	1,556	161	277	39	865	214	0	0	0
South Dakota	57,185	4,352	36,242	311	2,379	98	4,475	715	8,613
Public	56,897	4,352	36,067	242	2,348	98	4,462	715	8,613
Black Hills State U.	1,184	41	1,111	12	20	0	0	0	0
SD School of Mines and Technology	10,626	3,791	0	0	143	0	0	462	6,230
SD State U.	29,564	440	23,021	90	454	1	2,922	253	2,383
U. SD	15,523	80	11,935	140	1,731	97	1,540	0	0
Private	288	0	175	69	31	0	13	0	0
Augustana C. (Sioux Falls, SD)	288	0	175	69	31	0	13	0	0
Tennessee	657,965	9,952	431,652	20,556	36,025	21,147	27,466	22,621	88,546
Public	307,123	9,726	154,131	19,443	18,248	11,508	22,136	14,371	57,560
East TN State U.	7,788	33	6,292	127	132	113	898	63	130
Middle TN State U.	2,421	10	721	377	935	4	60	0	314
TN State U.	15,255	0	7,683	500	1,415	7	979	0	4,671
TN Technological U.	8,779	13	839	60	259	0	0	0	7,608
U. Memphis, The	44,120	4,700	6,975	4,666	1,871	11,065	9,193	2,041	3,609
U. TN Chattanooga	6,629	0	889	386	80	101	974	766	3,433
U. TN Martin	2,021	0	1	0	0	0	2	2,018	0
U. TN system office	220,110	4,970	130,731	13,327	13,556	218	10,030	9,483	37,795
Private	350,842	226	277,521	1,113	17,777	9,639	5,330	8,250	30,986
Fisk U.	5,000	0	0	0	5,000	0	0	0	0
Meharry Medical C.	27,507	0	27,507	0	0	0	0	0	0
Vanderbilt U.	318,335	226	250,014	1,113	12,777	9,639	5,330	8,250	30,986
Texas	2,880,784	137,056	1,970,745	111,139	186,317	31,166	46,407	14,939	383,015
Public	2,321,517	132,128	1,481,530	96,478	162,835	27,042	44,624	13,245	363,635
Lamar U.	3,365	1,920	7	65	161	0	0	0	1,212
Prairie View A&M U.	10,989	0	5,993	1,272	834	42	61	0	2,787
Sam Houston State U.	3,487 i	1,344 i	530 i	137 i	68 i	1 i	1,407 i	0 i	0 i
Stephen F. Austin State U.	3,663	69	3,336	22	128	15	93	0	0
Sul Ross State U.	1,058	0	393	38	45	0	572	10	0
Tarleton State U.	7,194	2,663	4,053	0	478	0	0	0	0
TX A&M U. all campuses	456,809	66,724	167,704	16,384	36,942	2,621	7,937	3,033	155,464
TX A&M U. Commerce	267	0	185	4	77	0	1	0	0
TX A&M U. Corpus Christi	12,266	3,035	600	3,773	1,227	19	53	117	3,442
TX A&M U. Kingsville	11,102	800	8,183	0	181	0	0	211	1,727
TX A&M U. System Health Science Ctr.	64,170	728	61,405	0	0	108	0	0	1,929

TABLE 26. R&D expenditures at universities and colleges, by state, control, and science and engineering field: FY 2004
(Dollars in thousands)

State, control, and institution	All R&D expenditures	Environmental sciences	Life sciences	Math and computer sciences	Physical sciences	Psychology	Social sciences	Sciences, nec	Engineering
TX Southern U.	4,088	0	3,804	15	0	0	0	171	98
TX State U. San Marcos	9,130	1,090	662	305	2,924	22	319	3,804	4
TX Tech U.	57,592	9,682	16,059	1,183	6,550	432	7,057	311	16,318
TX Tech U. Health Science Ctr.	19,827	0	19,827	0	0	0	0	0	0
TX Woman's U.	2,120	0	1,693	2	95	2	22	306	0
U. Houston	60,962	4,289	15,760	5,517	8,401	5,618	2,403	0	18,974
U. Houston-Clear Lake	754	134	146	357	81	4	3	0	29
U. Houston-Downtown	627	0	91	325	195	0	3	10	3
U. North TX	11,958	1,406	1,857	815	3,176	530	1,516	0	2,658
U. North TX Health Science Ctr. Ft. Worth	18,520	0	18,520	0	0	0	0	0	0
U. TX Arlington	19,003	153	898	414	4,860	584	976	0	11,118
U. TX Austin	343,886	30,915	44,309	43,713	75,345	7,560	18,156	4,587	119,301
U. TX Dallas	31,274	3,224	7,198	3,123	7,770	461	637	494	8,367
U. TX El Paso	25,440	2,984	6,851	1,155	3,691	574	744	191	9,250
U. TX Health Science Ctr. Houston	147,328	0	147,328	0	0	0	0	0	0
U. TX Health Science Ctr. San Antonio	137,039	0	137,039	0	0	0	0	0	0
U. TX M. D. Anderson Cancer Ctr.	353,034	0	317,612	14,950	8,465	7,966	463	0	3,578
U. TX Medical Branch	166,798	0	164,172	0	0	0	0	0	2,626
U. TX San Antonio	15,738	494	7,720	2,282	876	176	2,066	0	2,124
U. TX Southwestern Medical Ctr. Dallas	314,403	0	314,403	0	0	0	0	0	0
U. TX-Pan American	3,747	159	1,609	563	197	307	34	0	878
West TX A&M U.	3,879	315	1,583	64	68	0	101	0	1,748
Private	559,267	4,928	489,215	14,661	23,482	4,124	1,783	1,694	19,380
Abilene Christian U.	229	0	12	0	217	0	0	0	0
Baylor C. of Medicine	476,075	0	476,075	0	0	0	0	0	0
Baylor U.	5,242	497	805	396	1,908	277	79	1,205	75
Jarvis Christian C.	247	0	69	70	108	0	0	0	0
Rice U.	60,872	1,859	9,663	12,821	17,436	910	869	27	17,287
Southern Methodist U.	10,432	2,505	1,558	1,179	1,947	600	813	340	1,490
St. Mary's U. (San Antonio, TX)	512	0	0	0	0	0	0	98	414
TX Christian U.	3,960	45	382	44	1,067	2,289	22	0	111
Trinity U.	1,428	2	651	85	639	48	0	0	3
Wiley C.	270	20	0	66	160	0	0	24	0
Utah	414,340	15,135	211,655	21,301	27,318	7,174	7,261	8,621	115,875
Public	390,775	14,851	206,209	20,071	23,102	6,551	5,322	8,612	106,057
U. UT	237,159	5,844	160,288	18,829	18,915	2,626	2,596	0	28,061
UT State U.	153,616	9,007	45,921	1,242	4,187	3,925	2,726	8,612	77,996
Private	23,565	284	5,446	1,230	4,216	623	1,939	9	9,818
Brigham Young U. all campuses	23,565	284	5,446	1,230	4,216	623	1,939	9	9,818

TABLE 26. R&D expenditures at universities and colleges, by state, control, and science and engineering field: FY 2004
(Dollars in thousands)

State, control, and institution	All R&D expenditures	Environmental sciences	Life sciences	Math and computer sciences	Physical sciences	Psychology	Social sciences	Sciences, nec	Engineering
Vermont	115,778	522	100,613	1,515	2,593	848	232	6,915	2,540
Public	114,120	429	99,972	1,515	1,691	848	232	6,915	2,518
U. VT	114,120	429	99,972	1,515	1,691	848	232	6,915	2,518
Private	1,658	93	641	0	902	0	0	0	22
Middlebury C.	1,658 i	93 i	641 i	0 i	902 i	0 i	0 i	0 i	22 i
Virginia	848,556	85,967	441,041	42,366	60,292	19,536	21,949	1,087	176,318
Public	780,934	61,330	403,469	42,099	57,055	19,450	21,832	785	174,914
Christopher Newport U.	2,029	0	270	182	1,519	58	0	0	0
C. of William and Mary all campuses	49,420	32,640	1,981	1,430	10,957	464	1,948	0	0
George Mason U.	46,210	9,951	6,908	8,456	782	2,751	9,402	0	7,960
James Madison U.	5,442	131	851	2,696	730	429	179	70	356
Norfolk State U.	6,200	0	177	2,032	3,576	0	0	1	414
Old Dominion U.	34,819	3,826	2,256	1,948	2,469	770	869	0	22,681
Radford U.	195	45	9	0	6	0	134	1	0
U. VA all campuses	228,532	3,962	155,682	8,015	17,037	7,287	1,501	701	34,347
VA Commonwealth U.	132,839	648	113,794	150	5,178	4,875	1,290	0	6,904
VA Military Institute	543	0	14	0	33	3	8	0	485
VA Polytechnic Institute and State U.	268,752	10,127	115,882	17,190	14,460	2,813	6,501	12	101,767
VA State U.	5,953	0	5,645	0	308	0	0	0	0
Private	67,622	24,637	37,572	267	3,237	86	117	302	1,404
Eastern VA Medical School	33,798	0	33,798	0	0	0	0	0	0
Hampton U.	31,645	24,587	2,977	230	2,447	0	0	0	1,404
Roanoke C.	554	1	195	0	328	0	30	0	0
U. Richmond	1,625	49	602	37	462	86	87	302	0
Washington	896,913	85,350	593,883	6,892	51,417	11,238	47,733	5,414	94,986
Public	895,057	84,999	593,241	6,805	51,173	11,238	47,466	5,297	94,838
Central WA U.	3,134	1,759	528	359	176	0	312	0	0
Eastern WA U.	1,339	10	198	10	0	0	1,103	0	18
Evergreen State C.	354	28	158	46	6	0	0	116	0
U. WA	713,976	78,845	481,620	5,178	34,917	8,863	34,519	0	70,034
WA State U.	171,735	3,040	109,290	1,128	15,268	1,955	11,317	5,181	24,556
Western WA U.	4,519	1,317	1,447	84	806	420	215	0	230
Private	1,856	351	642	87	244	0	267	117	148
Seattle U.	744	0	306	87	153	0	50	0	148
U. Puget Sound	398	43	17	0	4	0	217	117	0
Whitman C.	714	308	319	0	87	0	0	0	0
West Virginia	130,057	7,247	74,147	1,232	5,673	277	3,309	115	38,057

TABLE 26. R&D expenditures at universities and colleges, by state, control, and science and engineering field: FY 2004
(Dollars in thousands)

State, control, and institution	All R&D expenditures	Environmental sciences	Life sciences	Math and computer sciences	Physical sciences	Psychology	Social sciences	Sciences, nec	Engineering
Public	130,057	7,247	74,147	1,232	5,673	277	3,309	115	38,057
Bluefield State C.	156	0	156	0	0	0	0	0	0
Marshall U.	20,221	0	10,516	0	279	0	1	0	9,425
WV School of Osteopathic Medicine	245	0	245	0	0	0	0	0	0
WV State C.	1,433	28	1,305	0	100	0	0	0	0
WV U.	108,002	7,219	61,925	1,232	5,294	277	3,308	115	28,632
Wisconsin	955,802	62,628	624,216	20,616	59,130	30,698	50,373	1,128	107,013
Public	803,769	62,628	480,978	20,492	58,198	30,430	49,810	1,079	100,154
U. WI Eau Claire	1,056	60	354	116	477	33	16	0	0
U. WI Green Bay	1,739	1,505	4	6	0	1	118	105	0
U. WI La Crosse	1,963	9	636	294	240	2	605	177	0
U. WI Madison	763,875	54,127	473,733	18,260	51,853	29,329	41,686	27	94,860
U. WI Milwaukee	28,268	5,207	3,322	1,424	5,006	735	7,284	0	5,290
U. WI Oshkosh	1,252	54	729	1	179	164	10	115	0
U. WI Parkside	608	36	349	30	59	132	0	2	0
U. WI River Falls	345	46	156	2	134	0	7	0	0
U. WI Stevens Point	2,042	631	1,146	120	106	8	27	0	4
U. WI Stout	1,144	0	312	144	0	25	10	653	0
U. WI Superior	1,136	935	54	95	28	1	23	0	0
U. WI Whitewater	341	18	183	0	116	0	24	0	0
Private	152,033	0	143,238	124	932	268	563	49	6,859
Marquette U.	9,652	0	3,469	124	889	268	563	49	4,290
Medical C. WI	139,235	0	139,235	0	0	0	0	0	0
Milwaukee School of Engineering	3,146	0	534	0	43	0	0	0	2,569
Wyoming	60,054	8,076	27,752	440	5,271	1,592	1,800	8,559	6,564
Public	60,054	8,076	27,752	440	5,271	1,592	1,800	8,559	6,564
U. WY	60,054 e	8,076 e	27,752 e	440 e	5,271 e	1,592 e	1,800 e	8,559 e	6,564 e
Guam	9,458	1,381	5,496	0	0	0	516	2,000	65
Public	9,458	1,381	5,496	0	0	0	516	2,000	65
U. GU	9,458	1,381	5,496	0	0	0	516	2,000	65
Puerto Rico	86,514	6,934	57,885	490	8,943	1,165	2,370	322	8,405
Public	66,577	6,934	37,948	490	8,943	1,165	2,370	322	8,405
U. PR Humacao U. C.	3,382	0	317	0	3,065	0	0	0	0
U. PR Mayaguez Campus	16,686	4,599	894	135	2,452	0	201	322	8,083
U. PR Medical Sciences Campus	34,092	0	34,092	0	0	0	0	0	0
U. PR Rio Piedras Campus	12,417	2,335	2,645	355	3,426	1,165	2,169	0	322

TABLE 26. R&D expenditures at universities and colleges, by state, control, and science and engineering field: FY 2004

(Dollars in thousands)

State, control, and institution	All R&D expenditures	Environmental sciences	Life sciences	Math and computer sciences	Physical sciences	Psychology	Social sciences	Sciences, nec	Engineering
Private	19,937	0	19,937	0	0	0	0	0	0
Ponce School of Medicine	10,140	0	10,140	0	0	0	0	0	0
Universidad Central del Caribe	9,797	0	9,797	0	0	0	0	0	0
Virgin Islands	17,874	0	9,685	0	0	0	1,811	6,318	60
Public	17,874	0	9,685	0	0	0	1,811	6,318	60
U. of the VI	17,874	0	9,685	0	0	0	1,811	6,318	60

e = estimated.

i = imputed.

nec = not elsewhere classified.

[a] The Johns Hopkins University includes the Applied Physics Laboratory, with $670 million in total R&D expenditures.

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

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Research and Development Expenditures at Universities and Colleges, FY 2004.