

TABLE 36. Higher education R&D expenditures, by state, institutional control, institution, and R&D field: FY 2011

(Dollars in thousands)

State, institutional control, and institution	All R&D expenditures	Environmental sciences	Life sciences	Math and computer sciences	Physical sciences	Psychology	Social sciences	Sciences, nec	Engineering	All non-S&E fields
United States	65,073,411	3,167,464	37,232,175	2,371,250	4,779,092	1,119,167	2,044,534	1,131,630	10,045,491	3,182,608
Public	43,697,885	2,513,850	23,718,180	1,557,144	3,193,210	809,348	1,624,798	815,131	7,117,079	2,349,145
Private	21,375,526	653,614	13,513,995	814,106	1,585,882	309,819	419,736	316,499	2,928,412	833,463
Alabama	900,662	14,080	632,544	28,426	42,229	6,440	18,350	5,367	134,665	18,561
Public	884,977	14,080	622,437	28,426	41,945	6,440	16,028	5,367	133,057	17,197
AL A&M U.	32,063 i	0 i	12,182 i	219 i	14,442 i	0 i	2,815 i	0 i	2,185 i	220 i
AL State U.	12,340	0	12,340	0	0	0	0	0	0	0
Auburn U., Auburn	163,335	2,011	90,565	499	5,578	536	3,519	5,356	53,721	1,550
Auburn U., Montgomery	749	0	418	35	0	0	5	0	0	291
Jacksonville State U.	624	119	55	12	330	0	29	0	79	0
U. AL, Birmingham	503,698	1,289	469,004	2,167	3,599	2,758	1,307	0	17,556	6,018
U. AL, Huntsville	75,724	6,885	1,532	19,205	8,782	25	4,604	0	31,955	2,736
U. AL, Tuscaloosa	53,633	1,397	5,892	6,131	7,849	2,796	3,057	0	25,479	1,032
U. North AL	578 i	52 i	201 i	40 i	68 i	39 i	26 i	11 i	49 i	92 i
U. South AL	42,233	2,327	30,248	118	1,297	286	666	0	2,033	5,258
Private	15,685	0	10,107	0	284	0	2,322	0	1,608	1,364
Tuskegee U.	15,685	0	10,107	0	284	0	2,322	0	1,608	1,364
Alaska	195,658	63,445	30,823	12,523	6,717	0	3,566	16,296	13,283	49,005
Public	195,140	62,927	30,823	12,523	6,717	0	3,566	16,296	13,283	49,005
U. AK, Anchorage	18,620	1,992	5,622	0	82	0	1,689	1,801	1,194	6,240
U. AK, Fairbanks	175,246	60,591	24,896	12,478	6,634	0	1,721	14,218	12,070	42,638
U. AK, Southeast	1,274	344	305	45	1	0	156	277	19	127
Private	518	518	0	0	0	0	0	0	0	0
AK Pacific U.	518	518	0	0	0	0	0	0	0	0
Arizona	997,700	61,255	374,516	27,832	201,098	16,524	57,202	59,351	153,445	46,477
Public	997,524	61,203	374,392	27,832	201,098	16,524	57,202	59,351	153,445	46,477
AZ State U.	355,215	24,428	68,576	14,486	23,778	12,726	36,198	50,251	93,124	31,648
Dine C.	959 i	9 i	24 i	31 i	108 i	0 i	68 i	13 i	658 i	48 i
Northern AZ U.	30,785	7,164	16,935	147	1,282	173	741	786	1,353	2,204
U. AZ	610,565	29,602	288,857	13,168	175,930	3,625	20,195	8,301	58,310	12,577
Private	176	52	124	0	0	0	0	0	0	0
Prescott C.	176	52	124	0	0	0	0	0	0	0
Arkansas	282,628	3,497	210,473	4,072	20,385	539	3,829	362	27,310	12,161
Public	280,452	3,426	209,598	3,856	19,840	503	3,806	355	26,941	12,127
AR State U., Jonesboro	13,435	0	10,712	307	2,033	93	16	0	178	96
AR Tech U.	410	146 i	68 i	0 i	0 i	0 i	0 i	100 i	12 i	84 i
Southern AR U.	259	0	16	4	28	10	34	0	0	167
U. AR, Fayetteville	120,007	2,814	65,185	297	13,621	387	3,649	0	24,357	9,697

TABLE 36. Higher education R&D expenditures, by state, institutional control, institution, and R&D field: FY 2011

(Dollars in thousands)

State, institutional control, and institution	All R&D expenditures	Environmental sciences	Life sciences	Math and computer sciences	Physical sciences	Psychology	Social sciences	Sciences, nec	Engineering	All non-S&E fields
U. AR for Medical Sciences	122,066	0	122,066	0	0	0	0	0	0	0
U. AR, Little Rock	12,039	466	2,237	2,632	3,488	11	92	0	2,394	719
U. AR, Pine Bluff	9,415	0	8,370	452	328	0	10	255	0	0
U. Central AR	2,821	0	944	164	342	2	5	0	0	1,364
Private	2,176	71	875	216	545	36	23	7	369	34
Harding U.	284	0	16	157	1	0	0	0	110	0
Hendrix C.	970	0	510	0	387	0	3	0	70	0
Lyon C.	179	18	0	0	0	0	0	0	161	0
Ouachita Baptist U.	224	0	208	0	16	0	0	0	0	0
Philander Smith C.	519	53 i	141 i	59 i	141 i	36 i	20 i	7 i	28 i	34 i
California	8,227,362	375,510	4,913,305	317,051	795,215	145,560	223,142	222,661	938,924	295,994
Public	5,803,894	311,404	3,456,806	163,786	450,970	119,553	180,821	209,337	706,154	205,063
CA Maritime Academy	3,005	10 i	179 i	155 i	330 i	3 i	196 i	83 i	2,049 i	0
CA Polytechnic State U., San Luis Obispo	16,532	2,751	4,099	1,439	1,201	91	368	848	4,692	1,043
CA State Polytechnic U., Pomona	7,198	172	3,544	0	145	290	150	0	436	2,461
CA State U., Bakersfield	3,162	0	2,886	15	229	0	0	0	0	32
CA State U., Channel Islands	524	14	6	149	169	0	25	0	0	161 i
CA State U., Chico	2,684	297	1,135	1	42	0	80	0	733	396
CA State U., Dominguez Hills	2,780	14	727	1,084	154	336	465	0	0	0
CA State U., East Bay	1,644	261	530	238	532	0	83	0	0	0
CA State U., Fresno	8,597	228	7,019	59	650	0	0	0	340	301
CA State U., Fullerton	28,186	1,170	6,405	1,497	1,726	180	2,418	12	922	13,856
CA State U., Long Beach	16,319 i	555 i	4,189 i	130 i	1,036 i	2,231 i	325 i	1,442 i	5,607 i	804 i
CA State U., Los Angeles	8,823	117	1,881	23	2,441	799	153	0	3,268	141
CA State U., Monterey Bay	6,959	3,166	3,608	74	18	0	62	0	31	0
CA State U., Northridge	25,654	1,388	3,248	534	2,492	761	600	0	772	15,859
CA State U., Sacramento	16,344	95	2,681	85	201	513	2,965	1,220	6,062	2,522
CA State U., San Bernardino	11,591	299	1,076	2,353	185	1,835	1,137	0	381	4,325
CA State U., San Marcos	6,140 i	186 i	3,725 i	99 i	27 i	0 i	1,126 i	0 i	141 i	836 i
CA State U., Stanislaus	1,487	88 i	819 i	55 i	113 i	29 i	51 i	25 i	239 i	68 i
Humboldt State U.	9,570	1,495	4,823	377	0	96	1,355	0	1,374	50
Naval Postgraduate School	101,363	14,474	0	21,212	11,105	0	7,518	22,835	18,009	6,210
San Diego State U.	106,591	2,799	38,075	6,681	6,061	18,694	7,164	2,400	9,915	14,802
San Francisco State U.	26,198	6,242	10,984	1,894	2,219	2,193	1,201	0	1,039	426
San Jose State U.	40,149	11,233	2,771	550	2,491	14,356	414	10	2,250	6,074
Sonoma State U.	825	289	344	3	73	48	30	0	0	38
U. CA, Berkeley	707,945	13,338	213,475	6,435	90,463	10,401	47,310	125,217	164,287	37,019
U. CA, Davis	707,896	27,710	507,389	13,215	29,308	4,210	23,258	6,248	86,855	9,703
U. CA, Hastings C. of Law	539 i	0 i	0 i	0 i	0 i	0 i	0 i	0 i	0 i	539 i
U. CA, Irvine	344,678	7,651	208,600	17,562	37,354	7,825	10,823	334	38,721	15,808
U. CA, Los Angeles	982,357	17,239	688,596	23,932	75,370	17,347	32,680	19,319	67,967	39,907

TABLE 36. Higher education R&D expenditures, by state, institutional control, institution, and R&D field: FY 2011

(Dollars in thousands)

State, institutional control, and institution	All R&D expenditures	Environmental sciences	Life sciences	Math and computer sciences	Physical sciences	Psychology	Social sciences	Sciences, nec	Engineering	All non-S&E fields
U. CA, Merced	21,328	1,916	4,739	352	3,119	701	1,181	70	8,229	1,021
U. CA, Office of the President	63,420	1	29,960	1,639	13,781	0	0	18,039	0	0
U. CA, Riverside	132,238	10,355	66,138	4,519	14,143	2,532	3,292	1,450	23,473	6,336
U. CA, San Diego	1,009,378	139,142	607,235	40,512	61,649	25,418	14,826	5,405	109,397	5,794
U. CA, San Francisco	995,226	0	981,233	0	13,993	0	0	0	0	0
U. CA, Santa Barbara	230,435	25,769	26,064	10,798	40,049	8,125	13,602	3,761	89,709	12,558
U. CA, Santa Cruz	155,617	20,910	18,300	6,088	38,058	529	5,942	619	59,256	5,915
Valdosta State U.	512	30	323	27	43	10	21	0	0	58
Private	2,423,468	64,106	1,456,499	153,265	344,245	26,007	42,321	13,324	232,770	90,931
Alliant International U.	1,111	31 i	820 i	28 i	0	15 i	49 i	28 i	0	140 i
Art Ctr. C. of Design	456	0	0	0	0	0	0	0	0	456
Azusa Pacific U.	3,620	65 i	1,712 i	58 i	109 i	31 i	1,072 i	58 i	283 i	232 i
CA Institute of Technology	377,514	15,167	58,440	15,646	225,641	0	0	10,959	48,783	2,878
CA Lutheran U.	741	60	0	0	471	0	135	0	0	75
Chapman U.	3,547	0	823	15	1,025	0	235	0	0	1,449
Charles R. Drew U. of Medicine and Science	22,150	0	22,150	0	0	0	0	0	0	0
Claremont Graduate U.	6,589	0	0	250	0	0	850	0	0	5,489
Claremont McKenna C.	5,316	247	454	75	120	960	2,451	118	0	891
Claremont School of Theology	574	0	0	0	0	0	0	0	0	574
Dominican U. CA	948	48	900	0	0	0	0	0	0	0
Fuller Theological Seminary	842	0	0	0	0	842	0	0	0	0
Harvey Mudd C.	3,861	0	431	1,363	649	0	0	618	769	31
Keck Graduate Institute	2,313	0	2,313	0	0	0	0	0	0	0
La Sierra U.	732	0	82	6	250	64	29	230	0	71
Loma Linda U.	39,409	1,302	35,699	0	0	168	0	0	0	2,240
Loyola Marymount U.	6,455	117	323	246	466	270	125	0	2,391	2,517
Mills C.	2,237	0	199	0	11	0	0	0	0	2,027
Mt. St. Mary's C.	626	0	626	0	0	0	0	0	0	0
National Flight Test Institute	177	0	0	0	0	0	0	0	177	0
National U.	3,134	108 i	1,233 i	139 i	369 i	73 i	184 i	14 i	256 i	758 i
Occidental C.	1,809	158	446	74	573	85	467	0	0	6
Olivet U.	427	0	0	204	0	0	0	0	0	223
Palo Alto U.	573	0	0	0	0	573	0	0	0	0
Pepperdine U.	1,924	0 i	530 i	10 i	15 i	0 i	154 i	0 i	8 i	1,207 i
Pitzer C.	268	19 i	107 i	30 i	0 i	36 i	71 i	0 i	0 i	5 i
Pomona C.	3,640	492	743	254	856	296	474	0	0	525
Santa Clara U.	2,407	0	570	14	294	30	125	0	1,294	80
Scripps C.	1,018	79	0	137	121	391	41	0	0	249
Scripps Research Institute	400,768	0	400,768	0	0	0	0	0	0	0
Southern CA C. of Optometry	789	0	596 i	0	0	0	0	0	0	193 i
Stanford U.	907,971	26,141	555,984	30,923	97,040	13,865	22,741	0	121,699	39,578
Touro U., Vallejo	1,779	0	1,196	0	0	0	0	0	0	583

TABLE 36. Higher education R&D expenditures, by state, institutional control, institution, and R&D field: FY 2011

(Dollars in thousands)

State, institutional control, and institution	All R&D expenditures	Environmental sciences	Life sciences	Math and computer sciences	Physical sciences	Psychology	Social sciences	Sciences, nec	Engineering	All non-S&E fields
U. Redlands	1,432	1,005	15	0	337	0	0	0	0	75
U. San Diego	3,483	301	1,329	0	347	5	292	0	66	1,143
U. San Francisco	2,668	389	271	38	0	0	72	964	0	934
U. Southern CA	603,294	18,363	365,641	103,747	15,186	8,303	12,132	225	56,120	23,577
U. of the Pacific	4,704	14	1,198	8	365	0	622	110	924	1,463
Vanguard U.	394	0	0	0	0	0	0	0	0	394
Western U. of Health Sciences	1,768	0	900	0	0	0	0	0	0	868
Colorado	1,291,054	230,521	568,580	23,094	127,108	27,554	24,579	8,321	230,869	50,428
Public	1,272,634	230,293	566,582	22,492	123,729	23,440	24,241	8,321	227,750	45,786
CO School of Mines	48,704	8,229	0	957	7,026	0	140	104	29,360	2,888
CO State U., Ft. Collins	330,784	126,631	124,871	5,785	12,267	5,028	6,984	4,177	35,387	9,654
CO State U., Pueblo	364	0	206	28	88	0	0	0	42	0
Ft. Lewis C.	606	51	339	0	140	0	2	0	74	0
Mesa State C.	802	40	76	11	15	0	166	52	0	442
U.S. Air Force Academy	73,607	0	676	1,599	5,629	0	1,300	0	61,081	3,322
U. CO, Boulder	390,677	94,557	38,454	11,748	96,858	17,105	14,946	2,386	95,980	18,643
U. CO, Colorado Springs	7,425	321	811	971	640	619	0	17	3,556	490
U. CO, Denver and Anschutz Medical Campus	417,587	272	400,466	1,299	634	465	526	1,585	2,270	10,070
U. Northern CO	2,078	192	683	94	432	223	177	0	0	277
Private	18,420	228	1,998	602	3,379	4,114	338	0	3,119	4,642
CO C.	1,198	228	131	44	115	0	233	0	0	447
Regis U.	218	0	0	0	9	0	0	0	0	209
U. Denver	17,004	0	1,867	558	3,255	4,114	105	0	3,119	3,986
Connecticut	945,705	15,047	712,596	15,938	55,039	35,215	13,847	7,134	67,878	23,011
Public	260,032	8,870	158,679	4,931	11,101	23,316	5,359	6,880	30,684	10,212
Central CT State U.	1,451	3	141	416	165	144	208	0	6	368
Eastern CT State U.	216	25	26	21	0	7	17	0	0	120
Southern CT State U.	4,083	0	0	127	772	0	0	0	0	3,184
U.S. Coast Guard Academy	490	13	0	96	35	0	0	0	346	0
U. CT	253,792	8,829	158,512	4,271	10,129	23,165	5,134	6,880	30,332	6,540
Private	685,673	6,177	553,917	11,007	43,938	11,899	8,488	254	37,194	12,799
CT C.	1,801	0	537	125	1,072	0	67	0	0	0
Fairfield U.	9,892	0	607	264	561	208	579	0	501	7,172
Trinity C., Hartford	1,934	9	825	300	124	90	69	0	32	485
U. Bridgeport	284	0	28	0	0	0	14	0	238	4
U. Hartford	2,419	0	46	45	0	0	154	254	1,915	5
U. New Haven	2,009	132	0	44	0	0	0	0	419	1,414
Wesleyan U.	10,367	337	3,564	455	3,284	1,266	450	0	0	1,011
Yale U.	656,967	5,699	548,310	9,774	38,897	10,335	7,155	0	34,089	2,708

TABLE 36. Higher education R&D expenditures, by state, institutional control, institution, and R&D field: FY 2011

(Dollars in thousands)

State, institutional control, and institution	All R&D expenditures	Environmental sciences	Life sciences	Math and computer sciences	Physical sciences	Psychology	Social sciences	Sciences, nec	Engineering	All non-S&E fields
Delaware	188,765	23,581	51,536	10,938	22,081	4,338	10,617	861	54,544	10,269
Public	188,765	23,581	51,536	10,938	22,081	4,338	10,617	861	54,544	10,269
DE State U.	19,019	1,138	12,231	1,875	2,710	32	7	0	0	1,026
U. DE	169,746	22,443	39,305	9,063	19,371	4,306	10,610	861	54,544	9,243
District of Columbia	493,469	4,346	299,459	9,355	36,377	11,541	58,170	6,381	20,819	47,021
Public	4,422	174	2,008	283	438	40	424	0	333	722
U. DC	4,422	174	2,008	283	438	40	424	0	333	722
Private	489,047	4,172	297,451	9,072	35,939	11,501	57,746	6,381	20,486	46,299
American U.	46,611	195	411	988	2,665	1,108	12,845	0	0	28,399
Catholic U. America	25,397	0	1,700	36	19,687	640	468	0	2,402	464
Gallaudet U.	7,161	75	2,083	2	35	920	122	1,114	53	2,757
George Washington U.	197,621	1,155	125,181	6,487	4,232	4,880	29,373	5,267	12,852	8,194
Georgetown U.	169,916	0	143,818	618	5,134	1,424	13,307	0	0	5,615
Howard U.	42,341	2,747	24,258	941	4,186	2,529	1,631	0	5,179	870
Florida	2,125,648	141,394	1,141,388	41,968	156,277	69,915	62,540	27,472	255,622	229,072
Public	1,755,022	76,153	890,558	39,610	150,402	56,099	61,829	27,472	237,825	215,074
Edison State C.	269 i	2 i	7 i	9 i	30 i	0 i	19 i	4 i	185 i	13 i
FL A&M U.	53,326	3,237	18,104	2,670	4,465	13	1,460	1,213	2,557	19,607
FL Atlantic U.	62,024	1,256	23,119	2,205	4,138	3,903	2,413	0	9,993	14,997
FL Gulf Coast U.	17,051	1,344	1,401	5	244	0	332	25	260	13,440
FL International U.	110,006	8,922	36,001	7,048	5,068	4,608	13,067	0	23,090	12,202
FL State U.	230,411	21,435	37,591	13,184	70,453	22,933	9,624	1,446	40,203	13,542
New C. FL	1,046	0	448	12	505	7	17	0	0	57
U. Central FL	109,190	10,070	8,541	942	20,397	842	5,579	20,457	30,481	11,881
U. FL	739,931	8,147	506,886	9,397	35,696	9,584	19,838	3,706	92,794	53,883
U. North FL	9,379	20	1,023	183	833	72	294	8	6,340	606
U. South FL, Polytechnic	824	0	91	0	21	16	48	0	0	648
U. South FL, Sarasota-Manatee	914	0	4	0	0	21	61	0	0	828
U. South FL, St. Petersburg	3,978	213	0	0	0	58	93	0	0	3,614
U. South FL, Tampa	394,963	21,120	255,965	3,242	8,006	13,855	8,643	613	31,922	51,597
U. West FL	21,710	387	1,377	713	546	187	341	0	0	18,159
Private	370,626	65,241	250,830	2,358	5,875	13,816	711	0	17,797	13,998
Barry U.	1,350	0	1,331	0	17	0	0	0	0	2
Eckerd C.	357	309	31	0	0	0	0	0	0	17
Embry-Riddle Aeronautical U.	16,289	500	234	136	260	0	8	0	9,567	5,584
FL Institute of Technology	14,523	1,567	1,895	799	2,843	367	0	0	2,278	4,774
Jacksonville U.	276	0	156	0	93	0	27	0	0	0
Nova Southeastern U.	12,322	5,470	6,107	0	0	335	0	0	0	410
Palmer C. of Chiropractic, Pt. Orange	195	0	195	0	0	0	0	0	0	0
Rollins C.	377	8	8	7	128	48	43	0	7	128

TABLE 36. Higher education R&D expenditures, by state, institutional control, institution, and R&D field: FY 2011

(Dollars in thousands)

State, institutional control, and institution	All R&D expenditures	Environmental sciences	Life sciences	Math and computer sciences	Physical sciences	Psychology	Social sciences	Sciences, nec	Engineering	All non-S&E fields
Stetson U.	1,451	0	0	0	0	9	12	0	3	1,427
U. Miami	323,486	57,387	240,873	1,416	2,534	13,057	621	0	5,942	1,656
Georgia	1,717,010	30,177	794,525	96,327	85,083	32,239	39,524	74,330	487,149	77,656
Public	1,086,742	29,311	304,824	94,619	65,242	27,898	35,993	16,544	460,161	52,150
Albany State U.	1,416	11	483	35	673	9	0	0	205	0
Armstrong Atlantic State U.	708	0 i	177 i	165 i	254 i	0 i	0 i	0 i	4 i	108 i
Columbus State U.	1,808	168	20	1,544	0	0	0	0	0	76
Ft. Valley State U.	3,850	0	3,207	346	297	0	0	0	0	0
GA Health Sciences U.	73,486	0	73,486	0	0	0	0	0	0	0
GA Institute of Technology	655,375	14,886	22,936	86,076	46,568	6,773	14,500	7,355	451,494	4,787
GA Southern U.	3,912	32	1,633	122	884	5	122	246	461	407
GA State U.	92,725	253	18,828	2,132	8,993	6,146	11,423	6,446	0	38,504
Kennesaw State U.	1,961	0	848	23	184	0	319	0	0	587
Savannah State U.	2,700	1,317	1,174	194	9	0	6	0	0	0
Southern Polytechnic State U.	924	0	7	72	0	0	0	0	129	716
U. GA	245,166	12,200	181,928	3,791	7,001	14,896	9,413	2,497	7,868	5,572
U. West GA	2,711	444	97	119	379	69	210	0	0	1,393
Private	630,268	866	489,701	1,708	19,841	4,341	3,531	57,786	26,988	25,506
Agnes Scott C.	938	0	73	5	124	347	34	0	0	355
Clark Atlanta U.	8,245	0	3,799	292	3,565	0	500	0	49	40
Emory U.	547,316	533 i	443,284 i	1,132 i	14,787 i	3,547 i	1,421 i	53,388 i	4,808 i	24,416 i
Mercer U.	29,039	0	6,336	10	97	0	80	463	22,012	41
Morehouse C.	8,063 i	0 i	1,248 i	141 i	590 i	419 i	1,442 i	3,890 i	119 i	214 i
Morehouse School of Medicine	33,946	0	33,946	0	0	0	0	0	0	0
Paine C.	448	333	0	33	0	28	54	0	0	0
Spelman C.	2,273	0	1,015	95	678	0	0	45	0	440
Hawaii	363,887	91,584	142,182	22,680	45,277	526	9,343	29,224	8,781	14,290
Public	362,451	91,557	141,627	22,674	45,273	526	9,343	29,224	8,781	13,446
U. HI, Hilo	42,983	5,381	22,298	132	56	317	1,425	0	0	13,374
U. HI, Manoa	318,316	86,166	119,293	22,499	45,083	209	7,833	29,205	8,028	0
U. HI, West O'ahu	1,152 i	10 i	36 i	43 i	134 i	0 i	85 i	19 i	753 i	72 i
Private	1,436	27	555	6	4	0	0	0	0	844
HI Pacific U.	1,436	27	555	6	4	0	0	0	0	844
Idaho	142,364	13,411	70,850	4,041	12,924	326	4,638	4,757	28,445	2,972
Public	141,883	13,411	70,428	4,041	12,870	321	4,638	4,757	28,445	2,972
Boise State U.	24,204	5,176	6,728	506	1,114	0	1,020	348	8,627	685
ID State U.	21,450	2,158	5,527	859	8,519	235	608	187	2,954	403
U. ID	96,229	6,077	58,173	2,676	3,237	86	3,010	4,222	16,864	1,884

TABLE 36. Higher education R&D expenditures, by state, institutional control, institution, and R&D field: FY 2011

(Dollars in thousands)

State, institutional control, and institution	All R&D expenditures	Environmental sciences	Life sciences	Math and computer sciences	Physical sciences	Psychology	Social sciences	Sciences, nec	Engineering	All non-S&E fields
Private	481	0	422	0	54	5	0	0	0	0
Northwest Nazarene U.	481	0	422	0	54	5	0	0	0	0
Illinois	2,352,936	25,124	1,460,607	152,422	196,795	49,792	53,255	37,179	289,531	88,231
Public	1,078,836	15,533	571,904	88,442	87,005	29,112	35,452	19,172	184,339	47,877
Chicago State U.	2,014	25	920	0	1,069	0	0	0	0	0
Eastern IL U.	716	14	402	1	195	6	28	13	0	57
Governors State U.	1,099	0	707	0	0	0	0	0	0	392
IL State U.	17,833	157	2,500	547	1,395	16	711	166	0	12,341
Northeastern IL U.	533	23	61	55	0	235	11	3	0	145
Northern IL U.	21,748	1,554	2,895	515	2,250	1,060	4,767	0	4,631	4,076
Southern IL U., Carbondale	71,130	1,340	49,956	1,018	3,898	902	1,937	2,381	9,698	0
Southern IL U., Edwardsville	33,736	1,582	21,563	1,030	1,679	0	1,136	2,458	3,870	418
U. IL, Chicago	380,828	2,657	291,341	12,317	15,054	10,848	10,103	12,591	18,839	7,078
U. IL, Springfield	2,002	0	80	0	9	0	1,447	0	0	466
U. IL, Urbana-Champaign	545,669	8,140	200,604	72,959	61,153	16,045	15,108	1,505	147,255	22,900
Western IL U.	1,528	41	875	0	303	0	204	55	46	4
Private	1,274,100	9,591	888,703	63,980	109,790	20,680	17,803	18,007	105,192	40,354
Augustana C., Rock Island	659	120	241	6	145	3	21	0	0	123
Benedictine U.	530	0	194	30	306	0	0	0	0	0
Bradley U.	1,910	0	153	151	101	10	7	1	1,433	54
Butler U.	610	12 i	276 i	18 i	53 i	51 i	30 i	2 i	37 i	131 i
Chicago School of Professional Psychology	186	0	0	0	0	186	0	0	0	0
Columbia C., Chicago	1,441	0	0	859 i	0	0	403 i	0	0	179 i
DePaul U.	5,798	153	151	1,437	802	2,596	117	0	0	542
Dominican U.	333	0	0	0	0	333	0	0	0	0
Erikson Institute	1,212	0	0	0	0	0	0	0	0	1,212
IL Institute of Technology	44,463	0	10,134	1,915	3,923	2,028	0	1	22,198	4,264
IL Wesleyan U.	1,014	0	44	1	241	9	363	0	0	356
Lake Forest C.	573	0	215	14	51	49	92	0	0	152
Loyola U., Chicago	42,708	4	37,933	433	626	453	1,402	143	0	1,714
Midwestern U., Downers Grove	4,022	0	4,022	0	0	0	0	0	0	0
National U. of Health Sciences	485	0	170	0	0	0	0	0	0	315
North Central C.	208	8	46	2	44	27	15	0	0	66
Northwestern U.	618,980	1,571	431,951	2,828	43,403	3,880	12,185	17,860	81,524	23,778
Rosalind Franklin U. of Medicine and Science	14,261	0	13,846	0	0	415	0	0	0	0
Rush U.	79,212	0	76,385	0	0	2,827	0	0	0	0
Toyota Technological Institute Chicago	746	0	0	746	0	0	0	0	0	0
U. Chicago	453,562	7,708	312,729	55,526	59,605	7,796	3,148	0	0	7,050
Wheaton C., Wheaton	1,187	15	213	14	490	17	20	0	0	418

TABLE 36. Higher education R&D expenditures, by state, institutional control, institution, and R&D field: FY 2011

(Dollars in thousands)

State, institutional control, and institution	All R&D expenditures	Environmental sciences	Life sciences	Math and computer sciences	Physical sciences	Psychology	Social sciences	Sciences, nec	Engineering	All non-S&E fields
Indiana	1,270,472	12,730	562,474	57,005	101,946	26,112	76,222	25,870	279,028	129,085
Public	1,130,066	12,292	539,052	48,740	76,645	22,238	72,972	14,473	229,685	113,969
Ball State U.	18,765	67	2,896	811	279	73	4,923	0	110	9,606
IN State U.	1,980	254	1,213	0	130	62	156	0	165	0
IN U., Bloomington	184,096	3,373	43,388	22,373	40,963	15,162	29,909	4,870	0	24,058
IN U., Gary	297	51	47	13	49	13	52	52	0	20
IN U., New Albany	456	0	8	0	159	0	24	170	0	95
IN U., South Bend	1,099	0	176	42	454	124	47	149	0	107
IN U.-Purdue U., Ft. Wayne	8,864	14	3,574	15	46	1	663	18	875	3,658
IN U.-Purdue U., Indianapolis	322,617	1,401	284,351	1,965	1,306	1,767	7,119	5,975	10,120	8,613
Purdue U., Calumet	11,946	0	1,500	171	288	227	84	29	1,426	8,221
Purdue U., North Central	1,436	0	39	25	41	0	0	0	32	1,299
Purdue U., West Lafayette	578,231	7,122	201,714	23,311	32,914	4,809	29,972	3,210	216,949	58,230
U. Southern IN	279	10	146	14	16	0	23	0	8	62
Private	140,406	438	23,422	8,265	25,301	3,874	3,250	11,397	49,343	15,116
DePauw U.	438	14	141	82	155	11	2	0	0	33
Earlham C.	468	38	142	0	85	0	1	0	0	202
Rose-Hulman Institute of Technology	1,268	0	0	173	667	0	0	0	428	0
Taylor U.	334	58	17	54	127	0	0	0	49	29
U. Notre Dame	134,410	217	22,914	7,798	23,502	3,809	3,245	11,397	48,584	12,944
Valparaiso U.	1,390	111	96	124	633	2	2	0	282	140
Wabash C.	2,098	0	112	34	132	52	0	0	0	1,768
Iowa	724,608	8,684	473,452	21,912	48,887	10,173	26,189	6,772	109,615	18,924
Public	715,782	8,611	466,982	21,703	47,902	9,991	26,010	6,772	109,584	18,227
IA State U.	267,641	6,332	129,576	18,536	19,199	1,327	16,302	5,173	64,571	6,625
U. IA	443,893	2,033	336,969	3,164	27,777	8,635	8,386	1,111	45,013	10,805
U. Northern IA	4,248	246	437	3	926	29	1,322	488	0	797
Private	8,826	73	6,470	209	985	182	179	0	31	697
Coe C.	310	0	11	5	220	0	9	0	0	65
Des Moines U.	924	0	924	0	0	0	0	0	0	0
Drake U.	966	63	361	13	166	16	25	0	0	322
Grinnell C.	1,340	0	223	186	363	158	142	0	0	268
Luther C.	425	10	90	5	236	8	3	0	31	42
Palmer C. of Chiropractic, Davenport	4,861	0	4,861	0	0	0	0	0	0	0
Kansas	525,645	22,242	322,898	6,200	32,131	4,629	9,865	7,152	85,996	34,532
Public	525,645	22,242	322,898	6,200	32,131	4,629	9,865	7,152	85,996	34,532
Emporia State U.	525	0	303	13	133	0	0	12	0	64
Haskell Indian Nations U.	1,135	91 i	0 i	0 i	941 i	0 i	0 i	0 i	0 i	103 i
KS State U.	169,167	679	109,978	3,626	11,320	2,307	5,420	5,799	24,365	5,673
Pittsburg State U.	1,687	0	184	0	87	0	0	0	1,416	0

TABLE 36. Higher education R&D expenditures, by state, institutional control, institution, and R&D field: FY 2011

(Dollars in thousands)

State, institutional control, and institution	All R&D expenditures	Environmental sciences	Life sciences	Math and computer sciences	Physical sciences	Psychology	Social sciences	Sciences, nec	Engineering	All non-S&E fields
U. KS	302,668	21,435	210,124	2,100	18,192	1,474	4,196	1,341	15,305	28,501
Washburn U.	269	0	11	0	224	3	1	0	0	30
Wichita State U.	50,194	37	2,298	461	1,234	845	248	0	44,910	161
Kentucky	596,081	6,359	401,279	8,092	21,421	14,656	12,654	10,017	81,101	40,502
Public	595,191	6,285	401,066	8,034	21,028	14,618	12,619	10,000	81,101	40,440
Eastern KY U.	3,782	256	2,713	60	84	0	56	0	0	613
KY State U.	4,562	74	4,419	33	2	0	14	0	17	3
Morehead State U.	2,018	0	688	62	448	94	431	267	10	18
Murray State U.	3,718	170	1,805	162	167	1	1	0	1,407	5
Northern KY U.	2,397	0	1,149	208	543	304	10	0	0	183
U. KY	372,932	4,875	257,364	6,490	10,873	12,112	10,751	9,733	51,977	8,757
U. Louisville	197,438	415	131,605	1,014	2,836	2,102	1,256	0	27,690	30,520
Western KY U.	8,344	495	1,323	5	6,075	5	100	0	0	341
Private	890	74	213	58	393	38	35	17	0	62
Bellarmine U.	200	0	0	0	200	0	0	0	0	0
Berea C.	212	0	97	35	80	0	0	0	0	0
Centre C.	478	74	116	23	113	38	35	17	0	62
Louisiana	729,226	44,540	442,167	26,675	45,797	3,969	20,873	19,691	62,486	63,028
Public	537,639	40,734	294,882	23,936	38,734	3,347	18,069	19,691	57,940	40,306
Grambling State U.	2,135	0	0	0	2,085	0	0	0	0	50
LA State U., Baton Rouge	287,841	31,805	158,403	5,776	22,216	1,581	8,597	17,185	35,658	6,620
LA State U., Health Sciences Ctr., New Orleans	57,007	0	57,007	0	0	0	0	0	0	0
LA State U., Medical Ctr., Shreveport	31,021	0	31,021	0	0	0	0	0	0	0
LA State U., Shreveport	1,816	0	885	369	266	0	0	0	0	296
LA Tech U.	27,583	0	1,999	4,755	2,665	326	116	0	11,780	5,942
McNeese State U.	1,561	358	184	40	119	135	159	0	229	337
Nicholls State U.	3,321	235	2,077	2	21	0	0	384	0	602
Northwestern State U. LA	1,189	0	195	0	87	0	903	0	0	4
Southeastern LA U.	1,952	0	1,127	171	320	11	9	0	0	314
Southern U. Agriculture Research and Extension Ctr.	6,143	370	5,773	0	0	0	0	0	0	0
Southern U. and A&M C., Baton Rouge	7,215 i	3,047 i	379 i	80 i	1,532 i	0 i	1,097 i	402 i	678 i	0 i
Southern U. and A&M C., New Orleans	706	0	284	26	0	0	0	0	0	396
U. LA, Lafayette	69,978	1,270	32,018	11,276	1,739	279	3,234	1,308	5,189	13,665
U. LA, Monroe	2,812	63	2,380	0	44	0	314	0	0	11
U. New Orleans	35,359	3,586	1,150	1,441	7,640	1,015	3,640	412	4,406	12,069
Private	191,587	3,806	147,285	2,739	7,063	622	2,804	0	4,546	22,722
Dillard U.	9,256 i	1,627 i	1,337 i	36 i	616 i	1 i	226 i	0 i	13 i	5,400 i
Loyola U., New Orleans	779	1	498	0	100	7	37	0	0	136
Tulane U.	171,703	2,178	139,920	2,184	2,698	602	2,475	0	4,473	17,173
Xavier U. LA	9,849	0	5,530	519	3,649	12	66	0	60	13

TABLE 36. Higher education R&D expenditures, by state, institutional control, institution, and R&D field: FY 2011
(Dollars in thousands)

State, institutional control, and institution	All R&D expenditures	Environmental sciences	Life sciences	Math and computer sciences	Physical sciences	Psychology	Social sciences	Sciences, nec	Engineering	All non-S&E fields
Maine	140,046	22,733	41,674	3,710	6,891	1,172	7,041	8,498	37,512	10,815
Public	128,942	20,193	36,757	3,278	5,435	960	6,188	8,498	37,389	10,244
ME Maritime Academy	404 i	37 i	141 i	25 i	43 i	23 i	19 i	12 i	33 i	71 i
U. ME	111,600	20,002	31,622	1,829	5,118	937	5,921	8,440	37,260	471
U. Southern ME	16,938	154	4,994	1,424	274	0	248	46	96	9,702
Private	11,104	2,540	4,917	432	1,456	212	853	0	123	571
Bates C.	1,897	392	607	65	582	56	29	0	83	83
Bowdoin C.	2,877	487	1,402	203	201	0	340	0	0	244
Colby C.	1,772	99	377	164	589	156	143	0	0	244
St. Joseph's C. ME	318 i	140 i	166 i	0 i	12 i	0 i	0 i	0 i	0 i	0 i
Unity C.	224	65	114	0	5	0	0	0	40	0
U. New England	4,016	1,357	2,251	0	67	0	341	0	0	0
Maryland	3,416,585	157,927	1,524,498	186,482	294,628	26,926	117,531	57,476	1,001,157	49,960
Public	1,268,479	113,062	660,651	57,980	118,306	21,542	109,492	1,855	146,078	39,513
Bowie State U.	1,910	439	213	1,258	0	0	0	0	0	0
Frostburg State U.	686	2	573	0	0	0	3	0	108	0
Morgan State U.	12,803	612	2,282	546	513	0	1,178	0	7,413	259
Salisbury U.	1,852	441	226	11	60	15	127	0	0	972
St. Mary's C. MD	427	0	4	73	279	29	42	0	0	0
Towson U.	3,574	52	1,304	1,069	249	306	590	0	0	4
Uniformed Services U. of the Health Sciences	175,365	0	162,954	0	0	12,411	0	0	0	0
U.S. Naval Academy	10,543	280	0	1,285	2,783	0	301	0	5,894	0
U. Baltimore	5,944	2	0	0	0	0	4,408	42	0	1,492
U. MD, Baltimore	409,665	2,446	383,161	0	0	0	0	0	6,078	17,980
U. MD, Baltimore County	91,657	31,662	9,737	7,276	10,203	2,195	10,638	1,813	9,631	8,502
U. MD, Ctr. for Environmental Science	50,007	50,007	0	0	0	0	0	0	0	0
U. MD, College Park	495,382	24,608	94,346	46,423	104,202	6,566	92,005	0	116,928	10,304
U. MD, Eastern Shore	8,664	2,511	5,851	39	17	20	200	0	26	0
Private	2,148,106	44,865	863,847	128,502	176,322	5,384	8,039	55,621	855,079	10,447
Capitol C.	667	22 i	454 i	27 i	54 i	10 i	9 i	6 i	73 i	12 i
Goucher C.	170	0	68	0	89	0	0	0	0	13
Johns Hopkins U. ^a	2,145,308	44,843	862,492	128,153	176,047	5,374	8,026	55,615	854,997	9,761
Loyola U., MD	787	0	124	322	132	0	4	0	9	196
MD Institute C. of Art	465	0	0	0	0	0	0	0	0	465
Sojourner-Douglass C.	709	0	709	0	0	0	0	0	0	0
Massachusetts	2,949,264	252,477	1,298,677	116,997	313,167	45,680	88,492	120,804	570,551	142,419
Public	587,229	22,908	344,322	26,157	51,535	13,120	17,951	3,465	70,937	36,834
Bridgewater State C.	521	0	2	7	272	3	23	0	0	214
U. MA, Amherst	181,297	4,122	58,946	20,657	34,761	5,166	5,123	1,101	46,669	4,752
U. MA, Boston	57,040	5,326	8,278	1,715	1,440	7,035	7,845	0	225	25,176

TABLE 36. Higher education R&D expenditures, by state, institutional control, institution, and R&D field: FY 2011
(Dollars in thousands)

State, institutional control, and institution	All R&D expenditures	Environmental sciences	Life sciences	Math and computer sciences	Physical sciences	Psychology	Social sciences	Sciences, nec	Engineering	All non-S&E fields
U. MA, Dartmouth	25,644	11,107	2,021	1,027	2,622	555	620	8	5,748	1,936
U. MA, Lowell	60,013	2,353	12,361	2,751	12,440	361	4,340	2,356	18,295	4,756
U. MA, Medical School	262,714	0	262,714	0	0	0	0	0	0	0
Private	2,362,035	229,569	954,355	90,840	261,632	32,560	70,541	117,339	499,614	105,585
Amherst C.	4,623	109	680	170	1,922	105	244	0	0	1,393
Babson C.	696	75	0	23	0	8	261	0	0	329
Boston C.	52,253	8,945	8,243	666	9,825	2,214	553	0	0	21,807
Boston U.	355,916	5,590	232,481	7,154	34,041	11,226	3,054	14,224	40,823	7,323
Brandeis U.	74,889	0	30,462	1,728	8,534	2,702	16,618	11,594	0	3,251
Clark U.	6,861	2,397	852	27	1,497	1,003	148	108	0	829
C. of the Holy Cross	957	0	165	136	443	119	0	0	0	94
Franklin W. Olin C. of Engineering	1,016	58	0	50	116	6	1	0	781	4
Hampshire C.	1,530	151	5	86	1,174	0	114	0	0	0
Harvard U.	649,774	20,473	409,498	7,500	61,983	5,821	28,472	46,654	42,715	26,658
MA Institute of Technology	723,610	39,735	118,854	58,420	115,445	2,080	11,345	42,793	305,042	29,896
MGH Institute of Health Professions	607	0	587	0	0	0	0	0	0	20
Mt. Holyoke C.	3,317	666	389	350	1,013	225	167	0	0	507
New England C. of Optometry	1,751	0	1,751	0	0	0	0	0	0	0
New England School of Acupuncture	266	0	266	0	0	0	0	0	0	0
Northeastern U.	86,783	863	23,717	5,325	14,942	1,990	4,189	0	30,204	5,553
Simmons C.	621	0	236	28	6	0	231	0	0	120
Smith C.	4,529	370	1,059	872	483	480	217	6	669	373
Suffolk U.	1,624	0	18	113	51	43	537	0	85	777
Tufts U.	156,395	79	122,550	2,641	6,845	4,351	1,966	0	16,328	1,635
Wellesley C.	7,242	56	778	234	774	0	328	1,960	0	3,112
Western New England C.	1,111	0	0	127	0	0	0	0	984	0
Wheaton C., Norton	239	47	43	0	83	0	0	0	0	66
Williams C.	4,513	464	817	1,062	1,018	187	617	0	0	348
Woods Hole Oceanographic Institution	198,775	149,491	0	0	0	0	0	0	49,284	0
Worcester Polytechnic Institute	22,137	0	904	4,128	1,437	0	1,479	0	12,699	1,490
Michigan	2,160,396	46,907	1,198,231	43,862	165,831	36,279	183,765	16,594	336,347	132,580
Public	2,141,056	46,636	1,196,209	42,139	161,863	36,098	183,279	16,590	328,774	129,468
Central MI U.	8,671	487	3,019	268	1,199	598	283	0	11	2,806
Eastern MI U.	11,643	957	1,132	0	153	0	1,225	0	1,577	6,599
Grand Valley State U.	5,305 i	2,538 i	1,143 i	42 i	317 i	12 i	1 i	744 i	422 i	86 i
Lake Superior State U.	752	41	439	0	1	0	2	0	269	0
MI State U.	454,248	11,510	230,658	11,976	76,294	7,153	33,975	9,497	42,703	30,482
MI Technological U.	70,089	12,661	2,639	3,087	5,054	0	833	1,265	40,510	4,040
Northern MI U.	841	0	277	61	14	34	13	0	6	436
Oakland U.	15,868	0	4,590	106	4,368	173	68	0	5,420	1,143
Saginaw Valley State U.	1,249	6	61	68	377	2	16	175	220	324

TABLE 36. Higher education R&D expenditures, by state, institutional control, institution, and R&D field: FY 2011

(Dollars in thousands)

State, institutional control, and institution	All R&D expenditures	Environmental sciences	Life sciences	Math and computer sciences	Physical sciences	Psychology	Social sciences	Sciences, nec	Engineering	All non-S&E fields
U. MI, Ann Arbor	1,279,123	16,347	758,681	20,720	48,100	22,281	141,559	3	205,299	66,133
U. MI, Dearborn	7,554	0	64	262	269	4	321	0	6,105	529
U. MI, Flint	767	0	180	1	40	4	11	0	92	439
Wayne State U.	259,895	456	191,134	3,378	21,757	4,993	4,228	4,906	21,768	7,275
Western MI U.	25,051	1,633	2,192	2,170	3,920	844	744	0	4,372	9,176
Private	19,340	271	2,022	1,723	3,968	181	486	4	7,573	3,112
Albion C.	799	65	62	24	263	43	106	0	0	236
Andrews U.	854	0	44	126	16	8	216	0	4	440
Calvin C.	3,113	186	574	262	715	33	133	0	142	1,068
Hope C.	4,185	20	119	1,030	2,265	66	0	4	101	580
Kalamazoo C.	492	0	47	15	279	8	31	0	0	112
Kettering U.	5,087	0	0	13	46	0	0	0	4,877	151
Lawrence Technological U.	3,348	0	868	21	0	0	0	0	2,269	190
U. Detroit Mercy	1,462	0	308	232	384	23	0	0	180	335
Minnesota	898,741	31,566	606,879	27,659	44,072	23,240	30,108	2,247	101,114	31,856
Public	880,149	29,852	601,745	26,274	40,110	22,872	29,135	2,247	101,058	26,856
Bemidji State U.	221	221	0	0	0	0	0	0	0	0
MN State U., Mankato	2,654	538	57	20	122	0	15	0	1,238	664
MN State U., Moorhead	982	55 i	537 i	34 i	69 i	18 i	37 i	18 i	161 i	53 i
St. Cloud State U.	3,404	61	1,258	169	102	0	267	93	42	1,412
U. MN, Crookston	153	0	40	40	0	0	1	0	0	72
U. MN, Duluth	23,400	15,520	2,203	422	1,620	75	242	5	2,214	1,099
U. MN, Morris	899	125	36	1	195	0	116	0	0	426
U. MN, Rochester	591	0	429	0	0	0	0	130	0	32
U. MN, Twin Cities	847,419	13,314	596,968	25,584	37,985	22,779	28,457	2,001	97,401	22,930
Winona State U.	426	18	217	4	17	0	0	0	2	168
Private	18,592	1,714	5,134	1,385	3,962	368	973	0	56	5,000
Augsburg C.	1,179	0	109	9	948	19	28	0	0	66
Carleton C.	5,382	1,106	365	649	953	0	8	0	0	2,301
C. of St. Benedict	867	10	168	45	190	42	58	0	0	354
Concordia C.	330	0	228	23	73	0	0	0	0	6
Gustavus Adolphus C.	330	16	43	0	223	5	12	0	0	31
Hamline U.	283	0	161	0	12	23	29	0	0	58
Macalester C.	4,653	442	736	381	821	196	767	0	0	1,310
Northwestern Health Sciences U.	1,747	0	1,548	0	0	0	0	0	0	199
St. Catherine U.	484	0	439	0	29	0	0	0	0	16
St. John's U., Collegeville	891	10	194	41	225	39	54	0	0	328
St. Olaf C.	1,130	0	545	70	404	44	15	0	0	52
U. St. Thomas (MN)	1,316	130	598	167	84	0	2	0	56	279

TABLE 36. Higher education R&D expenditures, by state, institutional control, institution, and R&D field: FY 2011
(Dollars in thousands)

State, institutional control, and institution	All R&D expenditures	Environmental sciences	Life sciences	Math and computer sciences	Physical sciences	Psychology	Social sciences	Sciences, nec	Engineering	All non-S&E fields
Mississippi	470,361	32,188	219,982	16,073	53,363	3,389	26,546	20,450	68,773	29,597
Public	467,050	32,169	217,069	16,070	53,247	3,389	26,502	20,450	68,771	29,383
Alcorn State U.	11,397	99	7,050	657	0	0	3,531	0	60	0
Jackson State U.	49,998	220	3,851	1,589	15,626	119	2,694	9,614	6,154	10,131
MS State U.	226,070	9,228	104,978	12,357	6,490	2,731	18,131	7,391	56,487	8,277
MS Valley State U.	830	15	1	181	70	0	0	0	456	107
U. MS and U. MS Medical Ctr.	132,164	7,110	93,447	521	15,795	205	429	0	5,173	9,484
U. Southern MS	46,591	15,497	7,742	765	15,266	334	1,717	3,445	441	1,384
Private	3,311	19	2,913	3	116	0	44	0	2	214
Millsaps C.	400	19	231	3	103	0	44	0	0	0
MS C.	158	0	140	0	13	0	0	0	2	3
Tougaloo C.	2,753	0	2,542	0	0	0	0	0	0	211
Missouri	1,121,330	18,616	827,164	11,130	33,804	13,667	7,195	1,093	71,688	136,973
Public	339,181	6,462	132,113	5,483	15,851	5,379	5,730	11	50,176	117,976
Lincoln U., Jefferson City	8,518	1,355	5,952	0	264	914	33	0	0	0
MO State U.	5,584	277	3,340	11	711	2	20	0	1,215	8
MO U. of Science and Technology	41,581	2,882	333	562	3,145	9	5	0	29,389	5,256
Northwest MO State U.	209	0	0	112	67	0	0	11	0	19
Southeast MO State U.	187	0	114	1	72	0	0	0	0	0
Truman State U.	710	1	216	271	110	31	11	0	0	70
U. Central MO	205	0	37	0	71	0	48	0	0	49
U. MO, Columbia	230,957	1,520	95,695	3,356	5,742	1,122	3,998	0	18,836	100,688
U. MO, Kansas City	32,769	383	20,618	991	2,517	1,293	462	0	736	5,769
U. MO, St. Louis	18,461	44	5,808	179	3,152	2,008	1,153	0	0	6,117
Private	782,149	12,154	695,051	5,647	17,953	8,288	1,465	1,082	21,512	18,997
A. T. Still U. of Health Sciences	1,925	0	1,925	0	0	0	0	0	0	0
Barnes-Jewish C. Goldfarb School of Nursing	1,767	52	1,173	56	111	26	44	26	190	89
Kansas City U. of Medicine and Biosciences	239	0	11	0	0	0	0	0	0	228
St. Louis U.	53,179	628	47,678	59	1,844	458	59	0	1,408	1,045
Washington U., St. Louis	725,039	11,474	644,264	5,532	15,998	7,804	1,362	1,056	19,914	17,635
Montana	195,267	8,352	97,858	2,199	23,537	421	6,093	16,947	26,919	12,941
Public	194,114	8,093	97,537	2,169	23,532	421	6,093	16,947	26,876	12,446
MT State U., Billings	656	26	438	0	8	0	2	0	0	182
MT State U., Bozeman	125,966	3,681	52,013	1,587	20,705	135	2,416	10,307	23,400	11,722
MT State U., Havre	319	0	0	0	0	0	0	0	319	0
MT Tech of U. MT	6,705	2,590	577	62	319	0	0	0	3,157	0
U. MT	60,159	1,750	44,246	520	2,500	286	3,675	6,640	0	542
U. MT, Western	309	46	263	0	0	0	0	0	0	0
Private	1,153	259	321	30	5	0	0	0	43	495
Salish Kootenai C.	1,153	259	321	30	5	0	0	0	43	495

TABLE 36. Higher education R&D expenditures, by state, institutional control, institution, and R&D field: FY 2011

(Dollars in thousands)

State, institutional control, and institution	All R&D expenditures	Environmental sciences	Life sciences	Math and computer sciences	Physical sciences	Psychology	Social sciences	Sciences, nec	Engineering	All non-S&E fields
Nebraska	412,756	5,283	268,367	14,832	21,823	12,957	14,213	12,682	43,231	19,368
Public	380,040	5,238	239,715	14,830	20,357	12,956	14,211	12,682	43,228	16,823
U. NE, Kearney	2,199	13	1,589	20	512	3	0	0	0	62
U. NE, Lincoln	235,296	5,179	102,655	12,196	19,528	12,791	12,903	12,561	42,328	15,155
U. NE, Medical Ctr.	133,036	0	133,036	0	0	0	0	0	0	0
U. NE, Omaha	9,509	46	2,435	2,614	317	162	1,308	121	900	1,606
Private	32,716	45	28,652	2	1,466	1	2	0	3	2,545
Creighton U.	31,443	44	27,985	0	878	0	0	0	0	2,536
Doane C.	1,022	0	438	0	584	0	0	0	0	0
NE Wesleyan U.	251	1 i	229 i	2 i	4 i	1 i	2 i	0 i	3 i	9 i
Nevada	165,437	59,564	40,660	2,429	15,898	1,056	7,221	11,251	22,175	5,183
Public	164,597	59,564	40,660	2,429	15,058	1,056	7,221	11,251	22,175	5,183
Desert Research Institute	35,331	34,478	828	0	0	0	25	0	0	0
U. NV, Las Vegas	39,526	13,069	5,807	963	6,874	742	4,265	0	5,991	1,815
U. NV, Reno	89,740	12,017	34,025	1,466	8,184	314	2,931	11,251	16,184	3,368
Private	840	0	0	0	840	0	0	0	0	0
Roseman U. of Health Sciences	840	0	0	0	840	0	0	0	0	0
New Hampshire	359,839	73,214	185,713	3,634	12,786	6,896	9,870	5,967	45,062	16,697
Public	149,021	71,155	24,947	349	2,963	560	8,043	1,817	22,847	16,340
Keene State C.	2,290	357	346	0	282	14	21	9	0	1,261
Plymouth State U.	3,729	2,086 i	487 i	1 i	0 i	0 i	730 i	0 i	0 i	425 i
U. NH	143,002	68,712	24,114	348	2,681	546	7,292	1,808	22,847	14,654
Private	210,818	2,059	160,766	3,285	9,823	6,336	1,827	4,150	22,215	357
Colby-Sawyer C.	187	0	187	0	0	0	0	0	0	0
Dartmouth C.	210,631	2,059	160,579	3,285	9,823	6,336	1,827	4,150	22,215	357
New Jersey	1,141,570	59,192	489,693	60,658	127,737	27,796	81,548	20,229	225,037	49,680
Public	820,207	29,595	433,745	37,471	74,530	18,707	60,457	19,699	109,360	36,643
C. NJ	486	11	39	125	110	0	105	0	30	66
Kean U.	1,497	0	550	0	0	0	0	0	0	947
Montclair State U.	3,621	683	1,351	679	49	134	427	50	0	248
NJ Institute of Technology	100,491	0	644	10,427	14,818	0	510	15,290	47,561	11,241
Ramapo C. NJ	445	0	183	150	112	0	0	0	0	0
Richard Stockton C. NJ	1,455	969	61	142	16	0	38	0	0	229
Rowan U.	3,247	0	10	153	699	22	3	111	2,187	62
Rutgers, State U. NJ, Camden	5,079	0	791	419	7	265	819	491	0	2,287
Rutgers, State U. NJ, New Brunswick	432,306	26,594	181,364	24,244	56,386	15,595	48,706	3,124	59,489	16,804
Rutgers, State U. NJ, Newark	35,774	1,338	14,175	1,091	2,164	2,605	9,615	633	93	4,060

TABLE 36. Higher education R&D expenditures, by state, institutional control, institution, and R&D field: FY 2011

(Dollars in thousands)

State, institutional control, and institution	All R&D expenditures	Environmental sciences	Life sciences	Math and computer sciences	Physical sciences	Psychology	Social sciences	Sciences, nec	Engineering	All non-S&E fields
U. of Medicine and Dentistry of NJ	234,354	0	234,354	0	0	0	0	0	0	0
William Paterson U.	1,452	0	223	41	169	86	234	0	0	699
Private	321,363	29,597	55,948	23,187	53,207	9,089	21,091	530	115,677	13,037
Drew U.	5,077	1,551	899	32	2,365	134	0	0	0	96
Monmouth U.	1,956	404	30	1,510	12	0	0	0	0	0
Princeton U.	263,335	25,586	52,061	19,927	49,344	8,909	18,766	530	80,360	7,852
Rider U.	1,672	23	259	42	2	35	12	0	0	1,299
Seton Hall U.	7,701	0	2,699	0	537	11	2,313	0	0	2,141
Stevens Institute of Technology	41,622	2,033	0	1,676	947	0	0	0	35,317	1,649
New Mexico	405,339	17,822	165,278	11,474	46,068	12,323	7,774	21,049	118,333	5,218
Public	405,339	17,822	165,278	11,474	46,068	12,323	7,774	21,049	118,333	5,218
Eastern NM U., Portales	357	0	266	8	39	0	0	0	0	44
NM Highlands U.	1,498	171	320	0	953	0	0	0	0	54
NM Institute of Mining and Technology	43,857	7,538	399	833	14,370	0	0	5,404	15,313	0
NM State U.	139,062	2,932	35,369	4,981	17,794	417	349	4,752	70,707	1,761
U. NM	220,565	7,181	128,924	5,652	12,912	11,906	7,425	10,893	32,313	3,359
New York	5,298,971	168,447	3,468,566	148,371	316,265	113,177	141,446	18,582	740,667	183,450
Public	1,344,500	56,692	592,711	47,985	91,159	42,028	54,162	14,229	391,036	54,498
CUNY, Baruch C.	2,645	86	132	28	222	445	425	0	4	1,303
CUNY, Brooklyn C.	9,306	228	3,059	702	1,991	1,109	560	1,057	0	600
CUNY, City C.	60,648	3,403	12,072	1,695	8,791	1,354	642	0	28,777	3,914
CUNY, C. Staten Island	4,188	9	267	356	1,416	20	9	0	85	2,026
CUNY, Graduate Ctr.	11,974	60	219	269	273	100	3,822	221	0	7,010
CUNY, Hunter C.	39,772	1,963	12,720	835	8,082	8,318	3,727	0	0	4,127
CUNY, John Jay C. of Criminal Justice	6,205	0	316	202	353	1,494	1,760	0	0	2,080
CUNY, Lehman C.	3,762	26	1,836	605	295	153	253	0	0	594
CUNY, Medgar Evers C.	2,065	143	275	104	863	0	544	0	0	136
CUNY, New York City C. of Technology	343	0	3	81	96	3	11	0	90	59
CUNY, Queens C.	23,219	697	10,813	594	1,661	2,677	1,424	4,965	0	388
CUNY, York C.	2,180	0	889	13	1,034	5	193	0	0	46
SUNY, Buffalo State C.	2,539	317	349	7	125	90	1,644	0	0	7
SUNY, C. of Agriculture and Technology, Cobleskill	938	0	0	0	0	0	0	0	909	29
SUNY, C. of Agriculture and Technology, Morrisville	233	0	184	0	0	0	0	0	11	38
SUNY, C. Brockport	1,248	366	807	0	69	0	6	0	0	0
SUNY, C. Cortland	968	115	120	0	17	86	150	0	0	480
SUNY, C. of Environmental Science and Forestry	28,289 i	8,375 i	7,994 i	0 i	3,396 i	0 i	238 i	0 i	8,286 i	0 i
SUNY, C. Fredonia	343	0	61	0	213	0	0	0	0	69
SUNY, C. Geneseo	2,677	165	223	26	1,605	183	37	0	0	438
SUNY, C. Old Westbury	1,267 i	0 i	891 i	3 i	161 i	0 i	211 i	0 i	0 i	1 i
SUNY, C. Oneonta	254	49	144	0	23	0	32	0	0	6
SUNY, C. of Optometry	3,738	0	3,738	0	0	0	0	0	0	0

TABLE 36. Higher education R&D expenditures, by state, institutional control, institution, and R&D field: FY 2011

(Dollars in thousands)

State, institutional control, and institution	All R&D expenditures	Environmental sciences	Life sciences	Math and computer sciences	Physical sciences	Psychology	Social sciences	Sciences, nec	Engineering	All non-S&E fields
SUNY, C. Oswego	977	222	128	77	44	496	10	0	0	0
SUNY, C. Plattsburgh	1,098	385	523	0	190	0	0	0	0	0
SUNY, C. Potsdam	447	18	18	57	330	0	0	0	24	0
SUNY, Farmingdale State C.	1,144	0	0	0	0	0	0	0	604	540
SUNY, Fashion Institute of Technology	223	0	0	0	0	0	0	0	0	223
SUNY, Health Science Ctr. Brooklyn	41,993	0	41,993	0	0	0	0	0	0	0
SUNY, Institute of Technology, Utica/Rome	811	0	0	701	0	0	0	0	110	0
SUNY, New Paltz	180	0	39	51	57	0	33	0	0	0
SUNY, Purchase C.	569	63	0	0	506	0	0	0	0	0
SUNY, Stony Brook U.	211,356	29,096	91,529	14,723	32,086	8,087	3,650	6,652	20,384	5,149
SUNY, U. Albany	148,625	6,031	119,469	3,692	2,982	2,106	12,707	0	0	1,638
SUNY, U. Albany, C. Nanoscale Science and Engineering	248,778	0	2,224	0	0	0	0	0	246,554	0
SUNY, U. Binghamton	72,539	1,260	6,164	5,493	6,751	9,445	11,200	0	25,503	6,723
SUNY, U. Buffalo	353,172	3,504	233,442	16,510	16,516	5,857	4,862	1,334	55,758	15,389
SUNY, Upstate Medical U.	39,988	0	39,988	0	0	0	0	0	0	0
U.S. Military Academy	13,799	111	82	1,161	1,011	0	6,012	0	3,937	1,485
Private	3,954,471	111,755	2,875,855	100,386	225,106	71,149	87,284	4,353	349,631	128,952
Adelphi U.	438	0	59	88	154	2	8	0	0	127
Albany C. of Pharmacy and Health Sciences	3,496	0	3,496	0	0	0	0	0	0	0
Albany Medical C.	20,876	0	20,876	0	0	0	0	0	0	0
Alfred U.	6,084	38	0	0	91	992	0	0	4,825	138
Bank Street C. of Ed.	171	0	0	0	0	0	0	0	0	171
Bard C.	183	0	91	92	0	0	0	0	0	0
Barnard C.	4,046	469	334	210	969	1,624	310	0	0	130
Canisius C.	205	0	33	128	44	0	0	0	0	0
Clarkson U.	17,951	0	1,264	1,125	2,771	7	172	0	12,433	179
Cold Spring Harbor Lab.	95,984 i	0 i	95,984 i	0 i	0 i	0 i	0 i	0 i	0 i	0 i
Colgate U.	2,291	366	462	253	584	157	287	0	0	182
Columbia U. in the City of New York	878,900	80,567	602,875	23,374	49,274	7,614	22,484	0	54,985	37,727
Cooper Union for the Advancement of Science and Art	402	0	0	0	0	0	0	0	402	0
Cornell U.	781,651	18,474	512,797	22,754	93,632	7,603	30,114	1,085	93,350	1,842
Daemen C.	1,615 i	0 i	543 i	0 i	0 i	0 i	0 i	0 i	0 i	1,072 i
Dowling C.	183	0	100	83	0	0	0	0	0	0
Fordham U.	18,350	14	2,123	58	15	1,886	398	0	0	13,856
Hamilton C.	3,109	337	46	552	489	37	15	0	0	1,633
Hobart and William Smith Colleges	1,566	796	122	0	413	0	24	0	0	211
Hofstra U.	2,472	72	358	144	176	252	55	0	38	1,377
Iona C.	212	0	0	95	117	0	0	0	0	0
Ithaca C.	1,025	22	413	118	402	0	8	0	0	62
Long Island U.	3,595 i	103 i	2,851 i	0 i	141 i	197 i	8 i	156 i	0 i	139 i

TABLE 36. Higher education R&D expenditures, by state, institutional control, institution, and R&D field: FY 2011

(Dollars in thousands)

State, institutional control, and institution	All R&D expenditures	Environmental sciences	Life sciences	Math and computer sciences	Physical sciences	Psychology	Social sciences	Sciences, nec	Engineering	All non-S&E fields
Louis V. Gerstner Jr. Graduate School of Biomedical Sciences at Memorial Sloan-Kettering Cancer Ctr.	2,342	0	2,342	0	0	0	0	0	0	0
Manhattan C.	638	521	0	0	0	0	0	0	0	117
Marist C.	306	0	0	196	5	0	0	0	0	105
Mercy C.	293	0	126	6	0	82	79	0	0	0
Mt. Sinai School of Medicine	363,091	0	363,091	0	0	0	0	0	0	0
New School	5,868	3	1	773	0	686	1,731	69	14	2,591
NY Chiropractic C.	404	0	0	0	0	0	0	0	374	30
NY Institute of Technology	2,059	0	950	775	0	0	0	0	209	125
NY Medical C.	27,316	0	27,316	0	0	0	0	0	0	0
NY U.	430,752	801	345,541	17,665	12,952	17,826	7,542	0	0	28,425
Niagara U.	1,656	0	197	3	329	34	220	0	0	873
Pace U.	3,732	1,410	444	336	519	0	0	0	0	1,023
Polytechnic Institute of NY U.	13,222	0	171	385	1,317	0	0	0	11,349	0
Rensselaer Polytechnic Institute	84,834	2,060	2,740	9,107	13,704	3,085	510	0	53,140	488
Rochester Institute of Technology	34,889	2,119	376	1,822	9,360	67	1,111	0	14,854	5,180
Rockefeller U.	272,491	540	255,539	7,383	9,029	0	0	0	0	0
Sage Colleges, system office	218	0	168	0	0	0	0	0	0	50
Siena C.	1,714	0	368	0	1,221	0	0	125	0	0
Skidmore C.	2,113	125	320	21	1,240	195	40	0	0	172
St. Bonaventure U.	1,936	0	472	34	81	1	0	0	0	1,348
St. John's U., New York City	1,786	0	302	0	908	484	3	0	0	89
Syracuse U.	83,686	1,977	3,725	8,380	7,874	4,713	10,916	2,482	16,531	27,088
Teachers C., Columbia U.	18,406	0	1,621	203	0	5,236	10,399	0	0	947
Touro C.	39,406	0	39,406	0	0	0	0	0	0	0
Union C., Schenectady	1,615	194	175	206	397	71	118	0	366	88
Union Graduate C.	191	0	0	0	0	0	0	0	0	191
U. Rochester	429,034	711	302,678	3,625	16,016	17,643	287	436	86,748	890
Utica C.	157	0	0	0	0	0	157	0	0	0
Vassar C.	1,838	36	309	392	505	9	288	0	13	286
Yeshiva U.	283,673	0	282,650	0	377	646	0	0	0	0
North Carolina	2,567,118	77,857	1,927,610	82,327	96,102	42,038	101,407	4,066	188,933	46,778
Public	1,330,084	56,836	860,731	66,381	70,929	17,952	79,327	4,059	132,728	41,141
Appalachian State U.	3,835	978	1,778	64	582	0	96	0	0	337
East Carolina U.	28,114	1,997	19,464	83	1,336	2,061	354	0	432	2,387
Elizabeth City State U.	10,455	159	0	7,974	2,096	0	0	0	0	226
Fayetteville State U.	14,618	0	1,303	492	168	0	301	0	114	12,240
NC Agricultural and Technical State U.	34,930	162	16,762	1,263	2,927	0	525	420	12,666	205
NC Central U.	9,496	100	7,543	360	1,040	0	0	0	0	453
NC State U.	378,154	15,004	181,985	27,697	19,343	2,014	11,133	3,592	113,678	3,708
U. NC, Asheville	3,157	1,524	213	394	362	0	110	0	0	554

TABLE 36. Higher education R&D expenditures, by state, institutional control, institution, and R&D field: FY 2011

(Dollars in thousands)

State, institutional control, and institution	All R&D expenditures	Environmental sciences	Life sciences	Math and computer sciences	Physical sciences	Psychology	Social sciences	Sciences, nec	Engineering	All non-S&E fields
U. NC, Chapel Hill	767,450	27,505	608,845	20,293	35,595	10,791	59,544	47	0	4,830
U. NC, Charlotte	27,533	1,089	4,674	6,506	3,108	492	2,665	0	5,789	3,210
U. NC, Greensboro	26,121	0	7,265	376	2,422	2,433	3,734	0	0	9,891
U. NC, Pembroke	998	0	0	0	998	0	0	0	0	0
U. NC, Wilmington	22,593	7,974	9,756	870	664	161	532	0	4	2,632
Western Carolina U.	1,451	344	400	9	288	0	333	0	45	32
Winston-Salem State U.	1,179	0	743	0	0	0	0	0	0	436
Private	1,237,034	21,021	1,066,879	15,946	25,173	24,086	22,080	7	56,205	5,637
Davidson C.	1,977	0	399	116	224	336	733	0	0	169
Duke U.	1,022,207	20,948	860,743	15,111	20,883	23,325	21,157	0	56,074	3,966
Elon U.	1,523	52 i	546 i	73 i	170 i	35 i	105 i	7 i	131 i	404 i
Shaw U.	2,193	21	1,371	0	377	0	0	0	0	424
Wake Forest U.	209,134	0	203,820	646	3,519	390	85	0	0	674
North Dakota	211,057	13,079	93,046	3,125	18,078	2,925	14,255	5,153	59,756	1,640
Public	210,464	13,076	92,456	3,125	18,078	2,925	14,255	5,153	59,756	1,640
Dickinson State U.	289	129 i	145 i	0 i	0 i	0 i	2 i	0 i	0 i	13 i
Mayville State U.	454	0	454	0	0	0	0	0	0	0
Minot State U.	590	0	577	0	0	13	0	0	0	0
ND State U.	134,064	565	74,545	3,054	16,461	2,895	14,118	3,529	17,550	1,347
U. ND	74,882	12,365	16,670	59	1,598	7	128	1,618	42,191	246
Valley City State U.	185 i	17 i	65 i	12 i	19 i	10 i	7 i	6 i	15 i	34 i
Private	593	3	590	0	0	0	0	0	0	0
Sitting Bull C.	593	3	590	0	0	0	0	0	0	0
Ohio	2,226,809	23,130	1,361,752	60,176	127,659	27,560	46,407	23,413	441,403	115,309
Public	1,698,953	21,156	987,149	57,142	114,098	26,079	43,277	22,791	315,117	112,144
Air Force Institute of Technology	31,879	857	0	6,676	6,357	0	33	0	16,167	1,789
Bowling Green State U.	8,999	788	760	4	4,108	350	2,111	0	713	165
Central State U.	3,821	208	1,108	242	164	164	175	0	1,633	127
Cleveland State U.	55,502	279	40,038	134	898	55	2,263	0	11,377	458
Kent State U.	27,455	571	5,081	1,049	10,858	2,935	3,289	115	490	3,067
Miami U.	26,093	673	6,804	0	3,335	1,345	995	0	1,643	11,298
Northeast OH Medical U.	13,581	0	13,076	0	0	0	505	0	0	0
OH State U.	832,126	10,531	488,033	41,080	32,237	13,326	22,713	19,664	166,439	38,103
OH U.	57,643	1,394	11,062	136	8,782	1,868	561	0	19,596	14,244
U. Akron	65,536	372	3,436	1,433	18,192	1,553	2,918	0	28,344	9,288
U. Cincinnati	448,936	965	359,824	1,175	7,465	2,090	7,121	1,459	39,357	29,480
U. Toledo	74,149	3,564	35,302	313	14,300	613	186	0	15,886	3,985
Wright State U.	48,501	953	22,559	4,828	3,756	1,772	50	1,535	13,015	33
Youngstown State U.	4,732	1	66	72	3,646	8	357	18	457	107

TABLE 36. Higher education R&D expenditures, by state, institutional control, institution, and R&D field: FY 2011

(Dollars in thousands)

State, institutional control, and institution	All R&D expenditures	Environmental sciences	Life sciences	Math and computer sciences	Physical sciences	Psychology	Social sciences	Sciences, nec	Engineering	All non-S&E fields
Private	527,856	1,974	374,603	3,034	13,561	1,481	3,130	622	126,286	3,165
Ashland U.	526 i	17 i	358 i	20 i	44 i	9 i	7 i	4 i	57 i	10 i
Baldwin-Wallace C.	360	0	257	0	0	0	33	0	0	70
Case Western Reserve U.	429,206	975	370,354	819	11,827	1,338	2,743	0	40,150	1,000
C. Wooster	1,225	374	240	97	295	45	59	0	0	115
Heidelberg U.	913 i	40 i	402 i	46 i	141 i	20 i	33 i	3 i	60 i	168 i
John Carroll U.	743	0	140	248	16	0	106	72	0	161
Kenyon C.	433	0	358	0	75	0	0	0	0	0
Oberlin C.	1,710	278	447	144	660	13	110	0	0	58
OH Northern U.	458	0	171	7	57	0	1	0	191	31
OH Wesleyan U.	719	0	463	24	208	24	0	0	0	0
U. Dayton	90,557	280	1,181	1,056	105	22	28	543	85,822	1,520
Wilberforce U.	763 i	0 i	222 i	507 i	28 i	0 i	0 i	0 i	6 i	0 i
Wittenberg U.	243	10	10	66	105	10	10	0	0	32
Oklahoma	388,762	41,962	149,115	10,843	23,656	4,301	14,860	14,864	102,477	26,684
Public	365,442	41,590	148,582	6,699	22,339	3,808	14,830	14,864	86,832	25,898
East Central U.	1,937	176 i	674 i	122 i	212 i	115 i	87 i	55 i	161 i	335 i
Langston U.	5,206	0	5,206	0	0	0	0	0	0	0
Northeastern State U.	644	0	350	0	162	0	47	5	0	80
OK State U. Ctr. for Health Sciences	2,815	0	2,676	0	0	0	0	139	0	0
OK State U., Stillwater	162,786	3,655	64,650	4,104	8,670	1,541	6,973	14,665	58,528	0
Southeastern OK State U.	462	0	90	0	372	0	0	0	0	0
Southwestern OK State U.	538	0	281	3	250	1	0	0	0	3
U. Central OK	1,548	0	296	38	19	9	435	0	740	11
U. OK	189,506	37,759	74,359	2,432	12,654	2,142	7,288	0	27,403	25,469
Private	23,320	372	533	4,144	1,317	493	30	0	15,645	786
U. Tulsa	23,320	372	533	4,144	1,317	493	30	0	15,645	786
Oregon	739,733	57,784	470,973	47,803	36,069	11,377	25,960	12,344	38,856	38,567
Public	728,971	57,608	466,007	47,587	34,396	11,026	25,336	12,256	38,686	36,069
Eastern OR U.	265	0	3	32	230	0	0	0	0	0
OR Health and Science U.	334,324	0	300,461	33,863	0	0	0	0	0	0
OR Institute of Technology	258	0	30	0	0	0	0	0	228	0
OR State U.	228,814	48,673	124,408	3,762	4,800	168	4,716	12,136	29,089	1,062
Portland State U.	58,975	4,002	3,142	3,024	9,513	1,124	13,019	120	7,748	17,283
Southern OR U.	1,330	465	347	13	0	0	362	0	0	143
U. OR	103,019	4,468	37,582	6,893	19,853	9,734	7,010	0	1,621	15,858
Western OR U.	1,986	0	34	0	0	0	229	0	0	1,723
Private	10,762	176	4,966	216	1,673	351	624	88	170	2,498
Lewis and Clark C.	2,778	46	880	92	376	40	70	0	0	1,274
Linfield C.	170	12 i	24 i	7 i	33 i	6 i	15 i	6 i	5 i	62 i
National C. of Natural Medicine	791	0	791	0	0	0	0	0	0	0

TABLE 36. Higher education R&D expenditures, by state, institutional control, institution, and R&D field: FY 2011

(Dollars in thousands)

State, institutional control, and institution	All R&D expenditures	Environmental sciences	Life sciences	Math and computer sciences	Physical sciences	Psychology	Social sciences	Sciences, nec	Engineering	All non-S&E fields
Pacific U.	1,129	0	802	0	40	15	70	0	0	202
Reed C.	1,839	0	686	52	465	265	296	75	0	0
U. Portland	1,257	2	535	17	357	0	0	0	165	181
U. Western States	858	0	858	0	0	0	0	0	0	0
Willamette U.	1,940	116	390	48	402	25	173	7	0	779
Pennsylvania	3,312,752	78,647	2,051,597	196,546	171,643	77,396	70,540	24,863	528,887	112,633
Public	1,850,655	71,863	1,126,389	69,564	106,793	51,449	39,821	13,227	319,217	52,332
Bloomsburg U. PA	419	0	84	51	68	55	16	0	55	90
CA U. PA	240	0	38	0	2	0	0	0	41	159
Cheyney U. PA	6,157	0	0	0	1,297	0	2,216 i	869 i	0	1,775
East Stroudsburg U. PA	250	250	0	0	0	0	0	0	0	0
Edinboro U. PA	489	383	44	6	0	0	25	0	0	31
Indiana U. PA	1,736	88	328	16	198	14	323	0	0	769
Kutztown U. PA	263	2	12	0	87	0	128	0	0	34
Lincoln U. of the Commonwealth of PA	1,336	0	492	0	0	0	0	459	0	385
Millersville U. PA	665	158	136	211	23	0	95	27	0	15
PA State U., Altoona	773	53	159	27	80	0	52	0	226	176
PA State U., Beaver	875	0	0	2	7	0	0	0	0	866
PA State U., Berks	151	0	36	0	115	0	0	0	0	0
PA State U., Erie	3,183	1,158	40	40	80	41	379	0	986	459
PA State U., Great Valley School of Graduate Professional Studies	275	0	0	29	0	0	0	0	194	52
PA State U., Harrisburg	3,460	1	7	523	15	107	1,536	0	1,257	14
PA State U., University Park and Hershey Medical Ctr.	794,846	56,439	272,085	53,380	61,155	29,686	28,099	0	276,101	17,901
Shippensburg U. PA	1,049	29	31	0	5	0	4	0	0	980
Slippery Rock U. PA	282	242	39	1	0	0	0	0	0	0
Temple U.	126,478	488	81,812	3,814	9,940	11,591	2,142	0	7,344	9,347
U. Pittsburgh, Bradford	239	0	224	0	0	0	15	0	0	0
U. Pittsburgh, Pittsburgh	899,386	10,803	770,233	11,355	28,579	9,787	4,783	11,872	33,013	18,961
West Chester U. PA	8,103	1,769	589	109	5,142	168	8	0	0	318
Private	1,462,097	6,784	925,208	126,982	64,850	25,947	30,719	11,636	209,670	60,301
Allegheny C.	707	89	8	9	319	1	1	0	0	280
Arcadia U.	1,888	0	167	134	18	0	469	0	0	1,100
Bryn Athyn C.	287	0	166 i	8 i	0	9 i	26 i	0	0	78 i
Bryn Mawr C.	8,388	211	474	1,151	1,097	603	1,262	9	0	3,581
Bucknell U.	5,043	290	737	258	676	6	35	69	2,547	425
Carnegie Mellon U.	242,882	1,932	15,242	98,968	11,946	9,829	6,016	3,570	93,453	1,926
Dickinson C.	2,050	628	341	30	201	74	34	0	0	742
Drexel U.	115,020	0	53,123	3,300	3,866	3,593	471	0	45,376	5,291
Duquesne U.	16,814	0	8,129	1,118	4,352	0	4	0	0	3,211
Elizabethtown C.	485	0	81	0	266	0	0	0	22	116

TABLE 36. Higher education R&D expenditures, by state, institutional control, institution, and R&D field: FY 2011
(Dollars in thousands)

State, institutional control, and institution	All R&D expenditures	Environmental sciences	Life sciences	Math and computer sciences	Physical sciences	Psychology	Social sciences	Sciences, nec	Engineering	All non-S&E fields
Franklin and Marshall C.	3,439	331	1,086	169	1,275	112	167	0	0	299
Gannon U.	444	227	15	0	10	0	0	0	189	3
Gettysburg C.	669	13	78	3	155	34	258	0	0	128
Haverford C.	2,765	0 i	1,323 i	73 i	1,065 i	164 i	140 i	0 i	0 i	0 i
Juniata C.	467	40	167	0	260	0	0	0	0	0
La Salle U.	1,460	0	49	62	0	95	56	277	0	921
Lafayette C.	2,426	67	178	201	162	37	123	0	952	706
Lehigh U.	32,086	1,147	1,808	2,018	5,873	347	328	0	18,118	2,447
Lycoming C.	195	0	167	0	21	0	7	0	0	0
Marywood U.	243	0	0	0	0	0	0	0	0	243
Mercyhurst C.	1,206	22	44	8	66	0	266	175	0	625
Messiah C.	365	6 i	82 i	9 i	6	5 i	15 i	1 i	188 i	53 i
Muhlenberg C.	661	0	219	1	337	17	8	31	0	48
Philadelphia C. of Osteopathic Medicine	2,401	0	2,358	0	0	43	0	0	0	0
Philadelphia U.	1,561	0	0	0	0	0	0	1,561	0	0
Salus U.	1,493	0	1,493	0	0	0	0	0	0	0
St. Francis U.	2,823	0	2,823	0	0	0	0	0	0	0
St. Joseph's U.	3,073	0	842	27	14	556	137	264	0	1,233
Susquehanna U.	613	86	267	3	139	18	58	0	0	42
Swarthmore C.	2,994	0	740	104	629	166	469	0	256	630
Thomas Jefferson U.	104,923	0	104,923	0	0	0	0	0	0	0
U. PA	886,036	1,565	725,635	18,520	30,065	9,128	20,083	5,679	40,847	34,514
U. Scranton	221	0	52	32	75	17	0	0	0	45
U. of the Sciences Philadelphia	3,504	0	1,410	0	828	0	76	0	0	1,190
Ursinus C.	594	0	82	197	278	37	0	0	0	0
Villanova U.	10,044	1 i	598 i	579 i	719 i	180 i	142 i	0 i	7,521 i	304 i
Washington and Jefferson C.	932	0	0	0	58	874	0	0	0	0
Widener U., Chester	332	0	17	0	0	2	68	0	125	120
Wilkes U.	563	129	284	0	74	0	0	0	76	0
Rhode Island	459,321	47,850	144,922	26,288	31,380	5,491	18,506	22,100	33,735	129,049
Public	110,657	37,742	33,298	1,664	5,725	1,260	284	16,762	6,783	7,139
RI C.	8,027	0	545	314	151	1,174	132	0	0	5,711
U. RI	102,630	37,742	32,753	1,350	5,574	86	152	16,762	6,783	1,428
Private	348,664	10,108	111,624	24,624	25,655	4,231	18,222	5,338	26,952	121,910
Brown U.	344,090	9,523	109,473	24,611	25,437	4,088	18,210	5,266	26,847	120,635
Bryant U.	316	98	0	12	76	8	12	0	20	90
Providence C.	758	0	666	0	0	92	0	0	0	0
RI School of Design	551	289	2	1	0	0	0	0	85	174
Roger Williams U.	2,627	198	1,322	0	24	0	0	72	0	1,011
Salve Regina U.	322	0	161	0	118	43	0	0	0	0

TABLE 36. Higher education R&D expenditures, by state, institutional control, institution, and R&D field: FY 2011

(Dollars in thousands)

State, institutional control, and institution	All R&D expenditures	Environmental sciences	Life sciences	Math and computer sciences	Physical sciences	Psychology	Social sciences	Sciences, nec	Engineering	All non-S&E fields
South Carolina	622,702	18,607	347,237	12,880	41,081	7,923	12,194	3,876	136,854	42,050
Public	607,152	17,174	342,512	12,040	35,352	7,422	11,916	3,815	135,627	41,294
Citadel Military C. SC	415	0	99	6	100	58	4	27	11	110
Clemson U.	166,350	0	48,207	7,207	10,233	1,394	6,796	615	61,229	30,669
Coastal Carolina U.	2,162	1,744	102	0	153	0	36	0	0	127
C. Charleston	8,320	2,525	1,246	410	1,384	411	270	200	0	1,874
Francis Marion U.	274	0	258	0	14	0	0	0	0	2
Medical U. SC	213,346	0	213,346	0	0	0	0	0	0	0
SC State U.	7,533 i	1,110 i	2,447 i	0 i	370 i	0 i	0 i	902 i	2,703 i	1 i
U. SC, Aiken	750	0	0	0	0	0	0	750	0	0
U. SC, Beaufort	882	0	0	0	0	0	0	882	0	0
U. SC, Columbia	201,592	11,795	76,233	4,307	22,440	5,559	4,802	0	71,684	4,772
U. SC, Spartanburg	439	0	0	0	0	0	0	439	0	0
Winthrop U.	5,089	0	574	110	658	0	8	0	0	3,739
Private	15,550	1,433	4,725	840	5,729	501	278	61	1,227	756
Allen U.	4,673 i	482 i	1,285 i	536 i	1,270 i	333 i	169 i	61 i	260 i	277 i
Benedict C.	3,009	931	556	162	307	0	86	0	967	0
Claffin U.	5,439	0	2,511	112	2,579	0	0	0	0	237
Coker C.	245	0	102	3	59	0	0	0	0	81
Furman U.	2,184	20	271	27	1,514	168	23	0	0	161
South Dakota	136,305	4,409	68,259	2,775	11,184	842	3,537	342	40,947	4,010
Public	133,663	4,359	67,334	1,950	10,640	842	3,442	342	40,947	3,807
Black Hills State U.	1,643	0	934	0	259	28	0	342	5	75
Dakota State U.	1,015	0	0	1,015	0	0	0	0	0	0
Oglala Lakota C.	296	84 i	122 i	16 i	54 i	0	0	0	20	0
SD School of Mines and Technology	32,070	551	0	76	1,312	0	52	0	30,019	60
SD State U.	69,680	3,724	50,004	234	2,752	0	2,720	0	10,212	34
U. SD	28,959	0	16,274	609	6,263	814	670	0	691	3,638
Private	2,642	50	925	825	544	0	95	0	0	203
Augustana C., Sioux Falls	1,578	0	544	687	347	0	0	0	0	0
Sinte Gleska U.	826	50	143	138	197	0	95	0	0	203
U. Sioux Falls	238	0	238	0	0	0	0	0	0	0
Tennessee	1,016,962	13,252	631,372	33,851	64,121	24,865	22,929	23,101	139,446	64,025
Public	414,379	12,366	172,253	32,151	24,469	10,468	17,769	21,462	90,950	32,491
Austin Peay State U.	2,180	8	701	20	867	0	7	0	0	577
East TN State U.	10,249	137	7,687	203	435	543	102	0	389	753
Middle TN State U.	4,969	138	740	299	574	1	634	0	439	2,144
TN State U.	13,468	0	8,400	34	1,073	82	5	0	2,367	1,507
TN Technological U.	13,247	16	1,437	560	211	500	7	0	9,601	915
U. Memphis	48,321	4,662	4,644	4,319	3,020	8,295	5,590	2,872	5,913	9,006

TABLE 36. Higher education R&D expenditures, by state, institutional control, institution, and R&D field: FY 2011

(Dollars in thousands)

State, institutional control, and institution	All R&D expenditures	Environmental sciences	Life sciences	Math and computer sciences	Physical sciences	Psychology	Social sciences	Sciences, nec	Engineering	All non-S&E fields
U. TN, Chattanooga	9,251	153	481	171	299	0	26	791	5,387	1,943
U. TN, Health Science Ctr.	81,220	0	80,599	0	0	0	0	38	579	4
U. TN, Institute of Agriculture	62,786	0	49,389	0	0	0	5,604	1,725	6,068	0
U. TN, Knoxville	167,456	7,252	18,175	26,545	17,990	1,047	5,794	14,809	60,202	15,642
U. TN, Martin	1,232	0	0	0	0	0	0	1,227	5	0
Private	602,583	886	459,119	1,700	39,652	14,397	5,160	1,639	48,496	31,534
Christian Brothers U.	242 i	13 i	118 i	12 i	45 i	5 i	3 i	1 i	14 i	31 i
Fisk U.	4,849	0	0	0	4,631	0	0	0	0	218
LeMoyne-Owen C.	209	0	0	209	0	0	0	0	0	0
Meharry Medical C.	29,055	0	29,055	0	0	0	0	0	0	0
Rhodes C.	788	0	117	0	100	571	0	0	0	0
Sewanee: U. of the South	1,017	71	29	3	728	0	102	0	24	60
Southern C. of Optometry	392	0	392	0	0	0	0	0	0	0
Vanderbilt U.	566,031	802	429,408	1,476	34,148	13,821	5,055	1,638	48,458	31,225
Texas	4,661,517	267,667	2,765,951	202,821	270,159	65,781	81,548	38,593	735,076	233,921
Public	4,028,633	254,544	2,282,607	181,293	235,590	59,887	77,103	31,747	685,653	220,209
Angelo State U.	1,201	14	916	7	132	10	91	0	0	31
Lamar U.	4,762	101	146	549	156	0	0	0	3,733	77
Prairie View A&M U.	15,243	0	9,456	489	1,062	10	123	8	4,078	17
Sam Houston State U.	5,816	15	1,124	418	450	488	126	16	0	3,179
Stephen F. Austin State U.	6,046	428	2,834	176	180	4	99	943	0	1,382
Sul Ross State U.	3,183	100	2,200	0	33	0	768	0	0	82
Tarleton State U.	10,426	2,949	6,656	30	56	7	7	0	15	706
TX A&M Health Science Ctr.	74,957	0	73,687	0	8	36	984	0	242	0
TX A&M International U.	3,121	114	248	8	220	10	149	253	334	1,785
TX A&M U., College Station	705,720	131,467	187,666	21,236	46,309	4,338	13,040	14,732	263,765	23,167
TX A&M U., Commerce	2,242	0	228	141	812	135	0	0	0	926
TX A&M U., Corpus Christi	17,509	10,184	2,911	874	206	16	182	688	85	2,363
TX A&M U., Kingsville	17,114	867	10,499	0	434	35	0	172	2,565	2,542
TX Southern U.	6,318	0	2,747	74	936	0	0	266	232	2,063
TX State U., San Marcos	33,487	4,875	3,419	1,588	2,293	291	853	3,930	1,994	14,244
TX Tech U.	149,399	13,301	32,884	7,576	10,183	1,338	14,078	0	35,288	34,751
TX Tech U., Health Sciences Ctr.	58,774	0	58,774	0	0	0	0	0	0	0
TX Woman's U.	2,919	0	2,197	21	179	9	68	102	0	343
U. Houston	113,709	8,447	21,773	10,564	10,996	10,172	2,579	0	33,700	15,478
U. Houston, Clear Lake	1,746	666	145	66	311	51	12	0	22	473
U. Houston, Downtown	1,351	37	285	186	759	2	0	0	3	79
U. North TX, Denton	42,475	1,369	11,585	3,166	7,797	855	2,118	21	7,510	8,054
U. North TX, Health Science Ctr.	45,943	0	45,943	0	0	0	0	0	0	0
U. TX, Arlington	72,483	1,128	3,823	5,891	9,803	2,638	300	60	36,360	12,480
U. TX, Austin	632,171	70,809	69,952	82,180	97,738	8,988	17,350	6,659	204,701	73,794

TABLE 36. Higher education R&D expenditures, by state, institutional control, institution, and R&D field: FY 2011

(Dollars in thousands)

State, institutional control, and institution	All R&D expenditures	Environmental sciences	Life sciences	Math and computer sciences	Physical sciences	Psychology	Social sciences	Sciences, nec	Engineering	All non-S&E fields
U. TX, Brownsville	7,491	112	2,345	623	3,699	0	5	87	88	532
U. TX, Dallas	93,230	1,754	19,577	7,027	12,701	3,152	4,722	0	40,834	3,463
U. TX, El Paso	74,069	3,613	16,573	8,911	6,913	4,350	2,456	1,973	22,787	6,493
U. TX, Health Science Ctr., Houston	261,172	0	261,172	0	0	0	0	0	0	0
U. TX, Health Science Ctr., San Antonio	198,655	0	198,655	0	0	0	0	0	0	0
U. TX, M. D. Anderson Cancer Ctr.	663,279	0	591,925	20,185	16,181	22,452	12,536	0	0	0
U. TX, Medical Branch	193,555	0	181,706	0	0	0	0	0	11,849	0
U. TX, Pan American	8,672	137	2,025	1,185	768	6	496	0	2,641	1,414
U. TX, Permian Basin	1,232	550	64	0	410	0	0	0	0	208
U. TX, San Antonio	58,667	772	21,737	7,863	3,785	432	3,880	1,833	10,194	8,171
U. TX, Southwestern Medical Ctr., Dallas	431,883	0	431,883	0	0	0	0	0	0	0
U. TX, Tyler	2,766	71	475	118	60	6	81	0	1,583	372
West TX A&M U.	5,847	664	2,372	141	20	56	0	4	1,050	1,540
Private	632,884	13,123	483,344	21,528	34,569	5,894	4,445	6,846	49,423	13,712
Abilene Christian U.	487	0	6	12	468	0	0	0	0	1
Austin C.	217	8 i	84 i	10 i	24 i	5 i	13 i	1 i	18 i	54 i
Baylor C. of Medicine	466,061	0	466,061	0	0	0	0	0	0	0
Baylor U.	12,343	1,166	1,122	1,057	3,051	674	1,376	511	1,320	2,066
Jarvis Christian C.	206	0	126	0	80	0	0	0	0	0
LeTourneau U.	796	0	99	0	38	0	0	33	626	0
Rice U.	110,235	3,636	12,194	17,809	24,837	900	2,461	5,510	41,850	1,038
Southern Methodist U.	24,453	6,594	1,404	2,154	3,336	2,111	247	791	5,371	2,445
Southwestern U.	477	0	101	14	326	6	26	0	0	4
St. Edward's U.	7,160	1,025	1,024	0	1,031	0	219	0	0	3,861
St. Mary's U., San Antonio	564	0	0	0	0	0	40	0	147	377
TX Christian U.	5,595	582	581	31	535	2,056	8	0	48	1,754
Trinity U.	1,355	112	74	241	707	142	55	0	24	0
U. Dallas	170	0	10	0	97	0	0	0	0	63
U. of the Incarnate Word	667	0	259	0	24	0	0	0	19	365
Wiley C.	2,098	0	199	200	15	0	0	0	0	1,684
Utah	627,180	12,968	333,478	32,213	44,482	8,586	6,205	2,327	174,057	12,864
Public	590,038	12,357	326,170	30,177	38,679	8,115	4,455	2,327	162,056	5,702
Southern UT U.	241	53	41	0	0	0	0	0	96	51
U. UT	414,316	9,261	265,135	28,203	30,893	1,576	3,384	0	71,940	3,924
UT State U.	174,167	2,951	60,660	1,954	7,393	6,512	1,068	2,327	89,698	1,604
Weber State U.	1,314	92	334	20	393	27	3	0	322	123
Private	37,142	611	7,308	2,036	5,803	471	1,750	0	12,001	7,162
Brigham Young U., Provo	37,142	611	7,308	2,036	5,803	471	1,750	0	12,001	7,162

TABLE 36. Higher education R&D expenditures, by state, institutional control, institution, and R&D field: FY 2011

(Dollars in thousands)

State, institutional control, and institution	All R&D expenditures	Environmental sciences	Life sciences	Math and computer sciences	Physical sciences	Psychology	Social sciences	Sciences, nec	Engineering	All non-S&E fields
Vermont	137,303	2,587	109,404	1,183	3,199	3,585	580	4,142	11,992	631
Public	132,578	1,905	107,736	904	2,381	3,082	309	4,139	11,713	409
Johnson State C.	222	0	62	0	0	0	0	0	0	160
U. VT	132,356	1,905	107,674	904	2,381	3,082	309	4,139	11,713	249
Private	4,725	682	1,668	279	818	503	271	3	279	222
Middlebury C.	2,408	518	746	131	454	270	215	0	24	50
Norwich U.	1,583	164	695	23	141	125	36	3	255	141
St. Michael's C.	734	0	227	125	223	108	20	0	0	31
Virginia	1,284,422	64,903	614,248	48,895	87,864	26,738	48,835	23,932	294,345	74,662
Public	1,227,130	61,543	573,239	47,166	79,345	26,359	48,460	23,932	293,792	73,294
Christopher Newport U.	1,669	0	892	0	761	7	9	0	0	0
C. of William and Mary and VA Institute of Marine Science	58,919	30,071	3,326	1,834	8,508	530	3,688	878	0	10,084
George Mason U.	88,089	8,150	14,517	10,048	7,650	5,861	24,837	0	9,221	7,805
James Madison U.	7,303	1,925	856	1,289	874	276	416	598	841	228
Marine Corps U.	468	0	0	0	0	0	468	0	0	0
Norfolk State U.	7,140	17	304	2,005	1,202	0	0	0	3,402	210
Old Dominion U.	102,192	8,542	15,125	5,777	10,268	3,004	3,176	1,979	32,825	21,496
Radford U.	784	22	197	55	2	15	75	38	0	380
U. of Mary Washington	1,374	79	305	63	0	64	38	14	0	811
U. VA, Charlottesville	292,106	3,370	199,385	7,088	21,260	7,575	2,106	235	46,240	4,847
U. VA's C. Wise	336	0	0	0	0	0	0	336	0	0
VA Commonwealth U.	207,756	572	146,867	2,150	5,499	4,004	2,972	18,879	4,623	22,190
VA Military Institute	374	0	72	7	112	9	64	0	91	19
VA Polytechnic Institute and State U.	450,058	8,795	185,871	16,609	23,209	4,497	10,535	975	194,811	4,756
VA State U.	8,562	0	5,522	241	0	517	76	0	1,738	468
Private	57,292	3,360	41,009	1,729	8,519	379	375	0	553	1,368
Eastern Mennonite U.	214	0	214	0	0	0	0	0	0	0
Eastern VA Medical School	36,569	0	36,569	0	0	0	0	0	0	0
Edward Via C. of Osteopathic Medicine	2,453	0	2,453	0	0	0	0	0	0	0
Ferrum C.	176	142	31	0	0	0	0	0	0	3
Hampton U.	12,414	3,079	1,233	534	6,912	0	0	0	534	122
Regent U.	157	0	0	0	0	0	0	0	0	157
Roanoke C.	451	0	115	0	75	0	261	0	0	0
Sweet Briar C.	339	10	104	15	110	7	3	0	17	73
U. Richmond	4,064	61	254	1,180	1,214	322	20	0	0	1,013
Washington and Lee U.	455	68	36	0	208	50	91	0	2	0
Washington	1,570,487	194,858	939,257	37,432	81,884	12,507	59,201	11,934	164,975	68,439
Public	1,559,014	193,415	933,314	37,271	80,712	12,410	59,031	11,934	164,153	66,774
Central WA U.	2,858	1,389	351	2	330	139	615	0	28	4
Eastern WA U.	3,910	21	711	15	320	179	2,524	0	10	130

TABLE 36. Higher education R&D expenditures, by state, institutional control, institution, and R&D field: FY 2011

(Dollars in thousands)

State, institutional control, and institution	All R&D expenditures	Environmental sciences	Life sciences	Math and computer sciences	Physical sciences	Psychology	Social sciences	Sciences, nec	Engineering	All non-S&E fields
Evergreen State C.	1,025	639	227	120	39	0	0	0	0	0
U. WA, Bothell	2,857	0	0	10	0	0	0	0	487	2,360
U. WA, Seattle	1,148,533	179,584	716,925	34,686	52,793	9,379	8,521	3,579	107,059	36,007
U. WA, Tacoma	1,359	0	0	142	0	0	0	0	0	1,217
WA State U.	388,974	8,841	213,894	2,253	25,605	2,250	47,172	7,437	56,226	25,296
Western WA U.	9,498	2,941	1,206	43	1,625	463	199	918	343	1,760
Private	11,473	1,443	5,943	161	1,172	97	170	0	822	1,665
Bastyr U.	2,121	0	2,121	0	0	0	0	0	0	0
Gonzaga U.	1,819	0	748	114	160	0	0	0	674	123
Northwest Indian C.	2,483 i	1,300 i	1,135 i	0 i	0 i	0 i	48 i	0 i	0 i	0 i
Pacific Lutheran U.	471	104	131	0	129	37	40	0	0	30
Seattle Pacific U.	1,633	32	183	21	68	16	0	0	0	1,313
Seattle U.	1,274	0	789	14	310	0	21	0	140	0
U. Puget Sound	530	7	182	12	65	4	61	0	0	199
Whitman C.	1,142	0	654	0	440	40	0	0	8	0
West Virginia	210,899	7,199	124,366	1,415	9,393	528	2,731	2,502	47,591	15,174
Public	200,397	7,080	120,428	1,402	8,924	525	2,728	2,501	47,581	9,228
Bluefield State C.	162	0	162	0	0	0	0	0	0	0
Concord U.	216	192	17	0	5	0	2	0	0	0
Marshall U.	26,723	20	18,718	0	869	0	182	0	6,479	455
Shepherd U.	303	0	117	144	42	0	0	0	0	0
West Liberty U.	1,869	0	260	0	0	0	50	0	0	1,559
WV School of Osteopathic Medicine	528	0	528	0	0	0	0	0	0	0
WV State U.	4,176	137	3,618	181	0	0	41	0	199	0
WV U.	166,420	6,731	97,008	1,077	8,008	525	2,453	2,501	40,903	7,214
Private	10,502	119	3,938	13	469	3	3	1	10	5,946
Alderson-Broaddus C.	200 i	11 i	96 i	11 i	39 i	3 i	3 i	1 i	10 i	26 i
Future Generations Graduate School	227	0	0	0	0	0	0	0	0	227
WV Wesleyan C.	250	6	50	0	194	0	0	0	0	0
Wheeling Jesuit U.	9,825	102	3,792	2	236	0	0	0	0	5,693
Wisconsin	1,444,278	65,127	925,165	31,672	106,079	9,703	54,081	3,786	144,866	103,799
Public	1,202,872	65,079	701,684	30,919	103,193	9,401	53,853	3,780	135,435	99,528
U. WI, Eau Claire	1,406	103	431	87	644	4	5	13	0	119
U. WI, Green Bay	1,288 i	1,046 i	0 i	7 i	0 i	0 i	16 i	116 i	0 i	103 i
U. WI, La Crosse	4,373 i	17 i	1,588 i	51 i	1,096 i	2 i	495 i	55 i	742 i	327 i
U. WI, Madison	1,111,642	48,645	685,841	28,344	88,088	7,251	48,203	144	116,207	88,919
U. WI, Milwaukee	65,648	10,025	10,380	2,353	11,276	2,139	3,860	3,120	13,692	8,803
U. WI, Oshkosh	2,384	94	1,393	35	162	0	61	102	0	537
U. WI, Parkside	457	7	114	22	142	0	2	9	0	161
U. WI, Platteville	715 i	0 i	384 i	0 i	234 i	1 i	29 i	3 i	64 i	0 i
U. WI, River Falls	463 i	10 i	129 i	0 i	238 i	0 i	18 i	65 i	0 i	3 i

TABLE 36. Higher education R&D expenditures, by state, institutional control, institution, and R&D field: FY 2011

(Dollars in thousands)

State, institutional control, and institution	All R&D expenditures	Environmental sciences	Life sciences	Math and computer sciences	Physical sciences	Psychology	Social sciences	Sciences, nec	Engineering	All non-S&E fields
U. WI, Stevens Point	7,115 i	4,205 i	1,109 i	2 i	1,254 i	3 i	33 i	16 i	389 i	104 i
U. WI, Stout	412 i	19 i	111 i	16 i	25 i	1 i	7 i	132 i	39 i	62 i
U. WI, Superior	6,187 i	822 i	16 i	1 i	0 i	0 i	1,046 i	0 i	4,302 i	0 i
U. WI, Whitewater	782 i	86 i	188 i	1 i	34 i	0 i	78 i	5 i	0 i	390 i
Private	241,406	48	223,481	753	2,886	302	228	6	9,431	4,271
Alverno C.	740	0	0	0	0	0	0	0	0	740
Carthage C.	242	0	172	0	55	0	0	0	7	8
C. of Menominee Nation	477 i	48 i	130 i	53 i	130 i	33 i	19 i	6 i	26 i	32 i
Lawrence U.	241	0	21	0	71	0	108	0	26	15
Marquette U.	19,876	0	6,767	700	2,571	269	101	0	6,117	3,351
Medical C. WI	215,358	0	215,358	0	0	0	0	0	0	0
Milwaukee School of Engineering	4,472	0	1,033	0	59	0	0	0	3,255	125
Wyoming	57,549	19,131	19,753	1,275	5,114	394	2,067	812	6,774	2,229
Public	57,549	19,131	19,753	1,275	5,114	394	2,067	812	6,774	2,229
U. WY	57,549	19,131	19,753	1,275	5,114	394	2,067	812	6,774	2,229
Guam	5,626	1,497	3,905	0	0	0	75	0	0	149
Public	5,626	1,497	3,905	0	0	0	75	0	0	149
U. GU	5,626	1,497	3,905	0	0	0	75	0	0	149
Puerto Rico	163,853	13,135	96,154	1,669	21,288	1,600	1,368	757	16,464	11,418
Public	134,633	12,001	76,375	1,280	21,288	1,600	1,368	757	16,193	3,771
U. PR, Cayey	1,474	76	0	5	191	0	62	733	0	407
U. PR, Humacao	1,976	0	145	0	1,831	0	0	0	0	0
U. PR, Mayaguez	34,424	8,672	3,188	1,088	4,105	0	244	24	16,188	915
U. PR, Medical Sciences Campus	64,017	0	64,017	0	0	0	0	0	0	0
U. PR, Ponce	160	0	154	0	0	0	0	0	0	6
U. PR, Rio Piedras	32,582	3,253	8,871	187	15,161	1,600	1,062	0	5	2,443
Private	29,220	1,134	19,779	389	0	0	0	0	271	7,647
Polytechnic U. PR	360	42	0	55	0	0	0	0	143	120
Ponce School of Medicine	10,502	0	10,502	0	0	0	0	0	0	0
U. Central del Caribe	7,515	0	7,515	0	0	0	0	0	0	0
U. del Este	1,358	0	1,166	0	0	0	0	0	0	192
U. del Turabo	7,098	27	255	0	0	0	0	0	128	6,688
U. Metropolitana	2,387	1,065	341	334	0	0	0	0	0	647

TABLE 36. Higher education R&D expenditures, by state, institutional control, institution, and R&D field: FY 2011
(Dollars in thousands)

State, institutional control, and institution	All R&D expenditures	Environmental sciences	Life sciences	Math and computer sciences	Physical sciences	Psychology	Social sciences	Sciences, nec	Engineering	All non-S&E fields
Virgin Islands	21,994	0	15,717	0	0	0	0	5,656	0	621
Public	21,994	0	15,717	0	0	0	0	5,656	0	621
U. of the VI	21,994	0	15,717 i	0	0	0	0	5,656	0	621 i

i = imputed.

nec = not elsewhere classified; S&E = science and engineering.

^a Johns Hopkins University includes Applied Physics Laboratory, with \$1,160,966 thousand in total R&D expenditures in FY 2011.

SOURCE: National Science Foundation/National Center for Science and Engineering Statistics, Higher Education Research and Development Survey, FY 2011.