

TABLE 34. Higher education R&amp;D expenditures, by state, institutional control, and institution: FY 2004–11

(Dollars in thousands)

State, institutional control, and institution	2004	2005	2006	2007	2008	2009	2010	2011
Alabama								
Public								
AL A&M U.	17,430	16,075	14,431	13,672	8,959	14,752	30,497	32,063 i
AL State U.	1,688	1,900	1,900	1,900	2,461	17,164	13,340	12,340
Auburn U., Auburn	NA	NA	NA	NA	NA	NA	145,115	163,335
Auburn U., Montgomery	NA	NA	NA	NA	NA	NA	351	749
Jacksonville State U.	ne	1,110	1,476	705	ne	225	398	624
U. AL, Birmingham	311,746	319,840	332,841	352,777	405,731	435,460	489,845	503,698
U. AL, Huntsville	50,233	57,330	61,831	73,760	75,818	74,340	75,683	75,724
U. AL, Tuscaloosa	35,427	34,770	35,642	36,807	33,477	36,889	40,762	53,633
U. North AL	ne	ne	ne	ne	ne	ne	ne	578 i
U. South AL	20,096	19,431	19,729	26,181	29,895	32,882	35,500	42,233
Private								
Tuskegee U.	12,781	12,168	12,982	15,905	16,606	18,543	15,581	15,685
Alaska								
Public								
U. AK, Anchorage	13,285	13,594	16,520	14,751	13,353	13,400	16,709	18,620
U. AK, Fairbanks	133,251	140,594	154,441	155,147	149,313	157,600	161,986	175,246
U. AK, Southeast	968	639	808	1,406	2,444	1,861	1,759	1,274
Private								
AK Pacific U.	ne	ne	ne	ne	309	414	434	518
Arizona								
Public								
AZ State U.	162,725	177,426	211,396	238,054	273,532	311,461	329,345	355,215
Dine C.	ne	ne	ne	ne	ne	ne	ne	959 i
Northern AZ U.	20,809	23,047	27,892	27,030	26,160	26,723	28,803	30,785
U. AZ	482,502	531,898	538,086	533,450	547,197	566,334	586,647	610,565
Private								
Prescott C.	150 i	158 i	ne	ne	ne	ne	ne	176
Arkansas								
Public								
AR State U., Jonesboro	4,581	4,070	6,034	7,552	6,899	8,715	11,115	13,435
AR Tech U.	842	299	292	327 i	327 i	357 i	481 i	410
Southern AR U.	ne	ne	ne	ne	ne	ne	ne	259
U. AR, Fayetteville	96,663	107,974	109,609	113,773	115,397	117,448	113,909	120,007
U. AR for Medical Sciences	74,063	91,516	107,871	108,551	117,440	106,314	119,518	122,066
U. AR, Little Rock	13,785	4,345	9,331	9,598 i	9,866	10,650	11,007	12,039

TABLE 34. Higher education R&amp;D expenditures, by state, institutional control, and institution: FY 2004–11

(Dollars in thousands)

State, institutional control, and institution	2004	2005	2006	2007	2008	2009	2010	2011
U. AR, Pine Bluff	6,982	7,330	6,774	5,831	7,238	7,422	8,343	9,415
U. Central AR	3,559	3,950	7,002	7,036	1,638	1,515	2,670	2,821
Private								
Harding U.	ne	ne	ne	ne	ne	ne	ne	284
Hendrix C.	642	624	685	375	679	648	656	970
Lyon C.	ne	ne	ne	ne	ne	ne	ne	179
Ouachita Baptist U.	ne	ne	ne	ne	ne	ne	ne	224
Philander Smith C.	ne	ne	ne	ne	ne	ne	ne	519
California								
Public								
CA Maritime Academy	ne	ne	ne	ne	ne	ne	ne	3,005
CA Polytechnic State U., San Luis Obispo	9,883	11,515	12,956	14,970	15,196	19,857	19,732	16,532
CA State Polytechnic U., Pomona	4,059	2,765	2,502	2,466	1,750	1,682	6,493	7,198
CA State U., Bakersfield	5,626 i	15,190	15,743	1,908	1,898	2,225	2,083	3,162
CA State U., Channel Islands	ne	ne	ne	ne	ne	ne	ne	524
CA State U., Chico	4,500	2,933	2,208 i	1,796 i	1,384	1,931	2,881	2,684
CA State U., Dominguez Hills	17,246	9,321	3,256	13,831	13,122	2,836	2,743	2,780
CA State U., East Bay	2,160	3,292	2,908	3,661	2,982	2,987	1,312	1,644
CA State U., Fresno	16,011	13,520	10,249	5,717	8,206	10,171	8,698	8,597
CA State U., Fullerton	7,431	7,515	7,893	7,115	9,038	14,898	21,776	28,186
CA State U., Long Beach	11,186	10,572	10,880	14,697	16,400	13,453	15,494	16,319 i
CA State U., Los Angeles	8,894	10,783	9,660	12,103	10,142	9,313	7,714	8,823
CA State U., Monterey Bay	3,392	4,045	4,107	7,032	6,275	6,204	5,305	6,959
CA State U., Northridge	28,043	21,266	17,140	21,866	20,574	20,822	29,469	25,654
CA State U., Sacramento	262 i	237 i	212 i	183	4,718	14,461	15,207	16,344
CA State U., San Bernardino	14,967	19,212	13,514	10,734	12,487	9,871	4,188	11,591
CA State U., San Marcos	ne	ne	ne	ne	670	6,782	5,788	6,140 i
CA State U., Stanislaus	ne	ne	ne	ne	ne	ne	ne	1,487
Humboldt State U.	6,185 i	6,342 i	6,500	7,087	8,808	15,261	9,845	9,570
Naval Postgraduate School	56,184 i	54,233	62,714	66,972	89,940	82,451	103,510	101,363
San Diego State U.	77,382	83,599	83,398	74,686	81,385	91,074	99,137	106,591
San Francisco State U.	42,903	24,008	28,307	27,244	21,382	25,323	25,615	26,198
San Jose State U.	44,120	48,624	49,267	47,256	52,408	55,213	38,241	40,149
Sonoma State U.	260	666	719	423	652	587	858	825
U. CA, Berkeley	525,598	554,551	563,837	570,252	620,374	682,568	694,049	707,945
U. CA, Davis	511,757	546,978	576,096	604,512	647,691	687,690	679,915	707,896
U. CA, Hastings C. of Law	ne	ne	ne	ne	ne	ne	ne	539 i
U. CA, Irvine	257,024	276,763	306,257	316,178	334,279	336,345	327,594	344,678
U. CA, Los Angeles	772,569	785,625	841,352	854,497	904,840	923,916	936,995	982,357
U. CA, Merced	na	4,468	7,931	11,600	17,403	22,013	21,591	21,328

TABLE 34. Higher education R&amp;D expenditures, by state, institutional control, and institution: FY 2004–11

(Dollars in thousands)

State, institutional control, and institution	2004	2005	2006	2007	2008	2009	2010	2011
U. CA, Office of the President	90,233	97,245	128,992	119,109	100,189	83,108	72,542	63,420
U. CA, Riverside	110,627	122,221	135,603	139,960	139,319	139,536	130,288	132,238
U. CA, San Diego	708,690	721,035	757,157	801,823	844,877	883,653	943,219	1,009,378
U. CA, San Francisco	728,321	754,444	796,149	842,840	885,182	947,697	935,509	995,226
U. CA, Santa Barbara	151,325	165,014	179,857	200,504	214,441	227,221	225,730	230,435
U. CA, Santa Cruz	94,297	105,617	134,458	147,396	162,100	170,461	143,919	155,617
Valdosta State U.	ne	ne	ne	ne	ne	ne	ne	512
Private								
Alliant International U.	ne	ne	ne	ne	ne	ne	ne	1,111
Art Ctr. C. of Design	ne	ne	ne	ne	ne	ne	ne	456
Azusa Pacific U.	ne	ne	ne	ne	ne	ne	ne	3,620
CA Institute of Technology	261,098	265,364	270,354	287,343	274,671	345,400	362,172	377,514
CA Lutheran U.	ne	ne	ne	ne	ne	ne	ne	741
Chapman U.	965	839	2,068	2,064	1,519	2,225	3,830	3,547
Charles R. Drew U. of Medicine and Science	51,994	43,231	47,188	52,118	49,224	57,604	22,152	22,150
Claremont Graduate U.	5,755	6,068	6,713	6,661	6,102	4,275 i	7,116	6,589
Claremont McKenna C.	ne	ne	ne	678 i	669 i	741 i	5,725	5,316
Claremont School of Theology	ne	ne	ne	ne	ne	ne	ne	574
Dominican U. CA	ne	ne	ne	ne	ne	ne	ne	948
Fuller Theological Seminary	952 i	1,174	729	885	442	598	384	842
Harvey Mudd C.	2,180	1,852	2,301	2,767	3,005	2,701	3,214	3,861
Keck Graduate Institute	ne	ne	ne	ne	ne	ne	ne	2,313
La Sierra U.	ne	ne	ne	ne	ne	ne	ne	732
Loma Linda U.	29,651	29,898	32,451	28,020	35,890	37,557	35,990	39,409
Loyola Marymount U.	1,052	911	2,112	2,726	3,561	4,897	4,557	6,455
Mills C.	ne	ne	550 i	575 i	560 i	2,926	1,679	2,237
Mt. St. Mary's C.	492	570	581	515	307	548	647	626
National Flight Test Institute	ne	ne	ne	ne	ne	ne	ne	177
National U.	ne	ne	ne	ne	ne	ne	ne	3,134
Occidental C.	2,371 i	2,109	1,449	1,652	2,110	2,625	2,289	1,809
Olivet U.	ne	ne	ne	ne	ne	ne	ne	427
Palo Alto U.	ne	ne	ne	ne	ne	ne	ne	573
Pepperdine U.	ne	ne	ne	ne	557	877	2,672	1,924
Pitzer C.	320	213	276	271	223	252	347	268
Pomona C.	2,571	2,430	3,181	3,806	4,244	3,234	2,924	3,640
Santa Clara U.	ne	3,613 i	3,700 i	3,814 i	3,986	4,066	3,816	2,407
Scripps C.	ne	ne	ne	ne	ne	ne	ne	1,018
Scripps Research Institute	307,910	330,170	367,375	360,511	366,047	382,275	387,298	400,768
Southern CA C. of Optometry	ne	ne	ne	ne	ne	ne	ne	789
Stanford U.	684,414	728,044	692,263	702,497	698,883	717,022	839,839	907,971
Touro U., Vallejo	ne	ne	ne	ne	ne	1,305	1,221	1,779

TABLE 34. Higher education R&amp;D expenditures, by state, institutional control, and institution: FY 2004–11

(Dollars in thousands)

State, institutional control, and institution	2004	2005	2006	2007	2008	2009	2010	2011
U. Redlands	2,086	2,591	1,178	1,341	1,519	1,726	1,317	1,432
U. San Diego	895	1,922	1,033	1,348	1,484	2,383	2,934	3,483
U. San Francisco	1,535	1,245	1,317	1,714	1,736	1,804	2,124	2,668
U. Southern CA	449,615	470,104	475,696	528,466	540,366	556,807	592,791	603,294
U. of the Pacific	3,190	4,896	6,209	6,068	8,551	6,879	6,120	4,704
Vanguard U.	ne	ne	ne	ne	359	188 i	383 i	394
Western U. of Health Sciences	1,330	946	1,575	1,696	1,891	2,156	1,786	1,768
Colorado								
Public								
CO School of Mines	27,087	26,499	28,729	29,939	34,050	40,117	44,879	48,704
CO State U., Ft. Collins	224,215	244,303	267,453	296,020	302,613	311,720	302,896	330,784
CO State U., Pueblo	1,086	663	1,323	151	323	328	413	364
Ft. Lewis C.	227	519	770	243	258 i	273	392	606
Mesa State C.	ne	ne	ne	ne	1,012	1,145	1,799	802
U.S. Air Force Academy	31,422	30,115	10,547	16,345	45,445	50,452	62,097	73,607
U. CO, Boulder	239,104	265,447	254,805	267,314	272,191	299,892	349,449	390,677
U. CO, Colorado Springs	3,527	4,350	4,509	8,090	9,861	9,545	9,088	7,425
U. CO, Denver and Anschutz Medical Campus	239,163	253,444	260,292	264,739	269,805	364,659	389,461	417,587
U. Northern CO	2,794	3,299	3,232	2,181	2,294	2,924	2,607	2,078
Private								
CO C.	917 i	516 i	ne	ne	2,144	587	671	1,198
Regis U.	ne	150 i	ne	ne	ne	ne	271 i	218
U. Denver	17,439	16,526	14,585	14,178	14,657	16,727	15,748	17,004
Connecticut								
Public								
Central CT State U.	419	921	687	663	479	305	776	1,451
Eastern CT State U.	ne	ne	ne	ne	ne	ne	ne	216
Southern CT State U.	3,751	4,528	2,295 i	3,118	3,448	4,096	3,840	4,083
U.S. Coast Guard Academy	866	660	553	1,027	803	497	680	490
U. CT	215,098	223,192	225,274	233,774	233,246	232,944	237,908	253,792
Private								
CT C.	1,224 i	1,461	1,146	1,097	867	1,844	1,532	1,801
Fairfield U.	6,907	7,611	6,979	7,721	8,591	9,454	9,294	9,892
Trinity C., Hartford	800	1,244	613	972	709	958	1,875	1,934
U. Bridgeport	ne	ne	ne	ne	ne	ne	ne	284
U. Hartford	1,136	1,360	1,633	3,457	7,183	7,120	1,137	2,419
U. New Haven	708 i	319	ne	394	ne	ne	ne	2,009
Wesleyan U.	8,158	8,536	8,619	8,657	8,177	7,518	8,397	10,367
Yale U.	423,664	432,806	462,080	451,318	490,913	512,997	623,510	656,967



TABLE 34. Higher education R&amp;D expenditures, by state, institutional control, and institution: FY 2004–11

(Dollars in thousands)

State, institutional control, and institution	2004	2005	2006	2007	2008	2009	2010	2011
Rollins C.	ne	ne	ne	ne	ne	ne	ne	377
Stetson U.	ne	ne	ne	ne	ne	ne	ne	1,451
U. Miami	195,918	211,201	215,491	212,532	244,067	250,339	280,671	323,486
Georgia								
Public								
Albany State U.	2,619	2,091	1,455	1,331	2,441	1,206	740	1,416
Armstrong Atlantic State U.	ne	ne	ne	ne	ne	671	2,681	708
Columbus State U.	ne	ne	ne	ne	ne	ne	ne	1,808
Ft. Valley State U.	2,596	2,497	2,570	2,610	3,311	3,262	5,310	3,850
GA Health Sciences U.	58,808	67,278	61,174	60,001	57,085	65,473	72,015	73,486
GA Institute of Technology	411,548	427,067	444,959	476,138	524,888	565,487	615,833	655,375
GA Southern U.	4,510	5,301	6,332	6,600	4,204	4,739	3,704	3,912
GA State U.	56,161	61,651	64,624	65,900	94,429	78,920	81,015	92,725
Kennesaw State U.	648	713	690	954	1,084	790	1,854	1,961
Savannah State U.	2,094	2,421	2,342	2,301	1,902	1,651	1,874	2,700
Southern Polytechnic State U.	ne	ne	ne	321	572	599	435	924
U. GA	334,241	337,467	342,763	351,935	369,546	369,997	230,803	245,166
U. West GA	1,477	1,817	1,492	1,622	1,912	1,522	1,749	2,711
Private								
Agnes Scott C.	ne	ne	ne	ne	ne	840	1,884	938
Clark Atlanta U.	13,590	12,823	11,155	8,543	7,486	7,861	8,515	8,245
Emory U.	314,849	337,154	349,867	412,503	463,317	459,067	529,453	547,316
Mercer U.	18,437	20,042	19,622	18,163	19,739	21,974	27,298	29,039
Morehouse C.	3,417 i	4,112	6,301	5,709	5,274	6,993	7,857	8,063 i
Morehouse School of Medicine	33,317	30,652	28,378	27,886	27,077	27,392	30,669 i	33,946
Paine C.	ne	ne	ne	ne	ne	ne	ne	448
Spelman C.	2,558	2,862	3,191	3,847	2,219	3,164	3,181	2,273
Hawaii								
Public								
U. HI, Hilo	11,225	16,653	18,564	16,674	14,500	20,202	14,857	42,983
U. HI, Manoa	236,368	230,651	250,694	266,447	271,835	290,707	303,085	318,316
U. HI, West O'ahu	ne	ne	ne	ne	ne	ne	ne	1,152 i
Private								
HI Pacific U.	ne	ne	ne	ne	ne	ne	ne	1,436
Idaho								
Public								
Boise State U.	9,126	9,168	8,997	11,520	11,592	12,305	18,731	24,204
ID State U.	14,743	20,137	17,119	20,569	21,627	21,405	20,495	21,450







TABLE 34. Higher education R&D expenditures, by state, institutional control, and institution: FY 2004–11

(Dollars in thousands)

State, institutional control, and institution	2004	2005	2006	2007	2008	2009	2010	2011
Haskell Indian Nations U.	ne	ne	ne	ne	687	2,083	978	1,135
KS State U.	121,394	126,826	126,960	126,864	141,535	151,376	160,679	169,167
Pittsburg State U.	2,116	2,547	2,823	2,577	2,083	2,163	1,759	1,687
U. KS	194,440	208,285	214,768	219,535	227,433	236,544	267,961	302,668
Washburn U.	ne	ne	ne	ne	ne	ne	ne	269
Wichita State U.	44,525	53,182	37,934	53,392	60,640	75,655	51,524	50,194
Kentucky								
Public								
Eastern KY U.	482	1,314	4,307	6,580	5,370	2,324	3,531	3,782
KY State U.	26,765	3,100	3,883	3,770	4,671	5,189	4,912	4,562
Morehead State U.	1,500	2,266	1,369	1,768	2,822	1,789	2,145	2,018
Murray State U.	4,078	3,529	3,379	2,565	2,370	1,734	3,396	3,718
Northern KY U.	985	1,519	2,027	1,843	1,791	1,878	2,316	2,397
U. KY	310,470	319,900	337,646	348,835	345,355	360,254	359,944	372,932
U. Louisville	119,156	139,942	148,246	163,434	164,123	167,178	189,090	197,438
Western KY U.	5,919	6,833	9,090	10,404	8,855	9,138	9,943	8,344
Private								
Bellarmino U.	ne	ne	ne	ne	ne	ne	ne	200
Berea C.	ne	ne	ne	ne	ne	ne	ne	212
Centre C.	ne	ne	ne	ne	ne	ne	ne	478
Louisiana								
Public								
Grambling State U.	1,934	2,249	711	428	822	818 i	993	2,135
LA State U., Baton Rouge	224,595	238,813	256,248	266,895	280,081	294,780	289,872	287,841
LA State U., Health Sciences Ctr., New Orleans	95,777	93,595	79,927	91,498	60,007	59,111	59,776	57,007
LA State U., Medical Ctr., Shreveport	ne	ne	ne	ne	33,458	31,293	30,817	31,021
LA State U., Shreveport	553	439	872	1,165	870	870	1,359	1,816
LA Tech U.	19,634	18,612	18,095	17,190	22,768	21,458	26,020	27,583
McNeese State U.	834	681	441	462	1,158	1,215	1,077	1,561
Nicholls State U.	1,225	2,118	1,758	1,233	1,172	1,864	2,590	3,321
Northwestern State U. LA	438 i	449 i	460	371	1,547	1,390	1,464	1,189
Southeastern LA U.	1,681	1,743	2,242	1,732	2,358	1,712	2,561	1,952
Southern U. Agriculture Research and Extension Ctr.	ne	ne	ne	ne	ne	ne	ne	6,143
Southern U. and A&M C., Baton Rouge	4,317	4,333 i	4,350	5,590	6,701	6,865	6,865	7,215 i
Southern U. and A&M C., New Orleans	556	592	592	154	197	505	402	706
U. LA, Lafayette	61,076	52,139	55,427	60,203	65,462	75,474	69,412	69,978
U. LA, Monroe	6,965	5,524	5,636	5,795	18,061	6,130	2,884	2,812
U. New Orleans	25,122	35,061	26,520	28,972	27,917	30,801	35,021	35,359
Private								
Dillard U.	1,069	1,401 i	2,123 i	4,684	1,991	6,513	8,425	9,256 i



TABLE 34. Higher education R&amp;D expenditures, by state, institutional control, and institution: FY 2004–11

(Dollars in thousands)

State, institutional control, and institution	2004	2005	2006	2007	2008	2009	2010	2011
Massachusetts								
Public								
Bridgewater State C.	269	329	561	657	851	614	587	521
U. MA, Amherst	124,783	134,097	140,184	146,323	156,817	160,666	169,141	181,297
U. MA, Boston	16,553	19,418	22,347	37,441	38,018	47,028	56,416	57,040
U. MA, Dartmouth	18,757	21,133	20,389	20,120	20,925	20,669	25,725	25,644
U. MA, Lowell	23,935	25,745	29,383	36,117	40,873	56,664	59,345	60,013
U. MA, Medical School	169,090	176,349	156,452	157,469	178,614	204,033	232,039	262,714
Private								
Amherst C.	3,383	3,610	4,709	4,384	5,906	4,984	3,628	4,623
Babson C.	ne	ne	ne	ne	ne	ne	ne	696
Boston C.	32,158 e	33,732	38,309	41,710	44,413	45,795	50,537	52,253
Boston U.	244,359	251,198	261,632	253,899	259,045	284,507	352,817	355,916
Brandeis U.	54,757	56,435	59,250	58,925	51,686	65,586	71,006	74,889
Clark U.	7,956 e	6,410	7,349	6,640	7,049	8,223	7,111	6,861
C. of the Holy Cross	692	511	1,281	1,046	988	1,513	1,275	957
Franklin W. Olin C. of Engineering	ne	ne	ne	ne	ne	ne	ne	1,016
Hampshire C.	3,188	2,723	1,145	1,119	1,015	994	569	1,530
Harvard U.	489,798	498,219	506,987	493,920	505,832	525,452	583,361	649,774
MA Institute of Technology	561,418	597,007	623,343	637,621	682,058	759,649	677,138	723,610
MGH Institute of Health Professions	ne	ne	ne	ne	ne	ne	ne	607
Mt. Holyoke C.	3,274	3,563	2,784	3,570	3,522	2,972	2,788	3,317
New England C. of Optometry	2,297	1,870	1,711	1,356	1,604	1,596	1,457	1,751
New England School of Acupuncture	ne	ne	ne	ne	ne	ne	ne	266
Northeastern U.	47,283	70,001	72,329	78,220	66,315	67,174	79,949	86,783
Simmons C.	1,486	1,230	1,270	958	686	696	440	621
Smith C.	3,687	4,140	5,146	4,401	4,865	5,152	4,613	4,529
Suffolk U.	ne	ne	ne	ne	ne	ne	ne	1,624
Tufts U.	131,407	136,602	133,628	135,868	145,169	154,575	156,106	156,395
Wellesley C.	11,239	9,425	8,408	8,803	8,735	8,385	8,422	7,242
Western New England C.	ne	ne	ne	ne	ne	ne	ne	1,111
Wheaton C., Norton	ne	ne	ne	ne	ne	ne	ne	239
Williams C.	3,130	3,459	4,074	3,983	4,084	4,907	4,691	4,513
Woods Hole Oceanographic Institution	114,087	117,517	121,888	137,410	150,720	157,289	181,746	198,775
Worcester Polytechnic Institute	14,097	14,736	15,345	14,308	15,887	15,645	18,613	22,137
Michigan								
Public								
Central MI U.	5,976	5,263	4,664	5,082	4,928	5,758	7,483	8,671
Eastern MI U.	6,856	7,020	6,908	5,547	6,100	8,118	14,133	11,643
Grand Valley State U.	5,019	3,776	3,792	4,938	6,301	3,925	5,044	5,305 i

TABLE 34. Higher education R&amp;D expenditures, by state, institutional control, and institution: FY 2004–11

(Dollars in thousands)

State, institutional control, and institution	2004	2005	2006	2007	2008	2009	2010	2011
Lake Superior State U.	ne	ne	ne	ne	ne	ne	ne	752
MI State U.	348,166	361,807	388,845	395,611	392,242	405,961	431,373	454,248
MI Technological U.	35,670	41,337	44,200	56,640	60,356	60,395	63,471	70,089
Northern MI U.	424 i	448 i	472 i	500	984	871	910	841
Oakland U.	6,821	6,654	9,554	9,038	9,812	11,275	12,856	15,868
Saginaw Valley State U.	505	577	706	904	623	823	873	1,249
U. MI, Ann Arbor	NA	NA	NA	NA	NA	NA	1,184,445	1,279,123
U. MI, Dearborn	NA	NA	NA	NA	NA	NA	6,779	7,554
U. MI, Flint	NA	NA	NA	NA	NA	NA	693	767
Wayne State U.	233,132	231,000	225,034	238,738	253,604	257,207	254,492	259,895
Western MI U.	22,414	24,801	25,470	25,779	26,649	22,579	26,391	25,051
Private								
Albion C.	ne	ne	ne	ne	ne	ne	ne	799
Andrews U.	864	1,007	1,279	1,448	1,283	855	1,195	854
Calvin C.	2,753	2,887	2,752	2,917	4,267	4,160	5,010	3,113
Hope C.	2,213	2,060	2,926	2,603	2,605	2,321	3,596	4,185
Kalamazoo C.	519	484	604	341	327	476	755	492
Kettering U.	661	1,758	3,473	2,209	3,689	4,454	6,880	5,087
Lawrence Technological U.	988	1,033	2,393	2,337	1,905	2,146	3,952	3,348
U. Detroit Mercy	568 e	507 i	588	480 i	ne	1,498	1,148	1,462
Minnesota								
Public								
Bemidji State U.	ne	ne	ne	ne	ne	ne	ne	221
MN State U., Mankato	929	567	1,174	1,309	1,832	3,180	3,837	2,654
MN State U., Moorhead	ne	ne	ne	ne	ne	ne	ne	982
St. Cloud State U.	3,372	6,267	5,872	6,461	7,262	8,218	4,184	3,404
U. MN, Crookston	NA	NA	NA	NA	NA	NA	ne	153
U. MN, Duluth	NA	NA	NA	NA	NA	NA	21,150	23,400
U. MN, Morris	NA	NA	NA	NA	NA	NA	672	899
U. MN, Rochester	NA	NA	NA	NA	NA	NA	248	591
U. MN, Twin Cities	NA	NA	NA	NA	NA	NA	786,074	847,419
Winona State U.	ne	ne	ne	1,773	1,520	772	375	426
Private								
Augsburg C.	888	853	1,103	1,208	792	ne	ne	1,179
Carleton C.	2,111	2,504	2,538	2,718	2,917	3,865	4,575	5,382
C. of St. Benedict	ne	ne	ne	ne	ne	ne	ne	867
Concordia C.	ne	ne	ne	ne	758	546	617	330
Gustavus Adolphus C.	739	523	496	221	201	214	310	330
Hamline U.	ne	ne	ne	ne	ne	ne	ne	283
Macalester C.	3,132	2,857	3,145	3,178	3,250	3,403	4,389	4,653
Northwestern Health Sciences U.	ne	ne	820	1,289	1,361	1,762	1,779	1,747





TABLE 34. Higher education R&amp;D expenditures, by state, institutional control, and institution: FY 2004–11

(Dollars in thousands)

State, institutional control, and institution	2004	2005	2006	2007	2008	2009	2010	2011
Richard Stockton C. NJ	ne	ne	ne	ne	ne	ne	ne	1,455
Rowan U.	8,780	7,881	7,360	7,569	6,338	6,950	2,987	3,247
Rutgers, State U. NJ, Camden	NA	NA	NA	NA	NA	NA	3,574	5,079
Rutgers, State U. NJ, New Brunswick	NA	NA	NA	NA	NA	NA	428,432	432,306
Rutgers, State U. NJ, Newark	NA	NA	NA	NA	NA	NA	27,745	35,774
U. of Medicine and Dentistry of NJ	209,134	239,778	245,771	236,834	230,347	223,796	230,235	234,354
William Paterson U.	ne	ne	ne	385 i	789	1,017	1,051	1,452
Private								
Drew U.	ne	ne	ne	ne	ne	ne	ne	5,077
Monmouth U.	547 i	779	1,716	1,766	1,545	1,576	2,195	1,956
Princeton U.	199,068	212,723	195,148	198,945	204,489	212,510	242,570	263,335
Rider U.	1,276	1,096	1,287	1,330	1,410	1,550	1,671	1,672
Seton Hall U.	3,543	10,131	6,546	8,035	6,812	15,427	4,003	7,701
Stevens Institute of Technology	30,154	31,059	33,600	34,383	30,493	28,660	35,544	41,622
New Mexico								
Public								
Eastern NM U., Portales	ne	ne	ne	ne	ne	ne	ne	357
NM Highlands U.	6,187	5,313	5,144	2,992	3,945	4,696	1,529	1,498
NM Institute of Mining and Technology	38,476	56,134 i	73,792	83,742	79,437	81,742	51,696	43,857
NM State U.	94,278	126,450	168,502	152,104	141,523	154,363	157,872	139,062
U. NM	170,085	182,871	186,047	181,734	202,694	205,831	211,771	220,565
New York								
Public								
CUNY, Baruch C.	1,623	2,691	2,853	2,484	3,449	2,546	2,616	2,645
CUNY, Brooklyn C.	5,374	4,166	5,215	5,868	5,030	5,486	6,846	9,306
CUNY, City C.	28,232	29,826	31,071	33,712	35,096	37,538	46,699	60,648
CUNY, C. Staten Island	2,845	2,682	2,391	3,618	3,275	3,409	3,290	4,188
CUNY, Graduate Ctr.	9,784	9,918	9,220	9,779	10,395	10,118	11,562	11,974
CUNY, Hunter C.	38,436	37,075	36,039	31,023	34,644	37,349	38,900	39,772
CUNY, John Jay C. of Criminal Justice	1,598	1,317	1,484	2,884	4,085	6,487	5,916	6,205
CUNY, Lehman C.	3,409	4,109	4,810	5,256	3,739	3,423	3,593 i	3,762
CUNY, Medgar Evers C.	696	842	725	555	326	365	658	2,065
CUNY, New York City C. of Technology	ne	ne	ne	ne	458	208	231	343
CUNY, Queens C.	6,983	7,628	7,462	9,840	11,989	13,115	16,845	23,219
CUNY, York C.	1,747	1,552	1,625	2,640	2,302	ne	ne	2,180
SUNY, Buffalo State C.	2,840	1,977	1,699	1,318	1,625	2,390	1,935	2,539
SUNY, C. of Agriculture and Technology, Cobleskill	ne	ne	ne	ne	ne	ne	1,414	938
SUNY, C. of Agriculture and Technology, Morrisville	ne	ne	ne	ne	ne	ne	233	233
SUNY, C. Brockport	755	659	839	1,025	706	651	831	1,248
SUNY, C. Cortland	709	991	937	480	355	342	527	968

TABLE 34. Higher education R&amp;D expenditures, by state, institutional control, and institution: FY 2004–11

(Dollars in thousands)

State, institutional control, and institution	2004	2005	2006	2007	2008	2009	2010	2011
SUNY, C. of Environmental Science and Forestry	19,419 i	12,054	17,954 i	23,854	26,359	20,513	26,916	28,289 i
SUNY, C. Fredonia	252	234	307	320	355	278	513	343
SUNY, C. Geneseo	999	1,193	1,181	1,833	2,394	2,293	1,373	2,677
SUNY, Health Science Ctr. Brooklyn	30,207 i	29,732	31,064	29,809	32,299	29,184	32,512	41,993
SUNY, C. Old Westbury	1,326	1,612	1,838	1,700	1,768	1,108	1,206 i	1,267 i
SUNY, C. Oneonta	ne	ne	ne	ne	205	341	336	254
SUNY, C. of Optometry	2,435	2,481	1,913	2,231	2,238	2,670	3,529	3,738
SUNY, C. Oswego	2,055	1,010	1,034	1,093	1,026	1,020	783	977
SUNY, C. Plattsburgh	4,950	5,754	5,666	2,877	495	1,470	1,664	1,098
SUNY, C. Potsdam	ne	ne	ne	ne	ne	325	511	447
SUNY, Farmingdale State C.	ne	ne	ne	ne	ne	ne	253	1,144
SUNY, Fashion Institute of Technology	ne	ne	ne	ne	ne	ne	ne	223
SUNY, Institute of Technology, Utica/Rome	ne	ne	ne	ne	ne	ne	713	811
SUNY, New Paltz	ne	ne	ne	ne	193	209	251	180
SUNY, Purchase C.	330	ne	ne	ne	ne	ne	ne	569
SUNY, Stony Brook U.	219,486	212,698	236,095	268,541	190,712	189,299	204,728	211,356
SUNY, U. Albany	208,157	264,581	277,841	309,438	271,187	341,624	359,364	148,625
SUNY, U. Albany, C. Nanoscale Science and Engineering	NA	NA	NA	NA	NA	NA	NA	248,778
SUNY, U. Binghamton	25,701	25,919	29,966	37,382	62,959	71,912	72,057	72,539
SUNY, U. Buffalo	268,515	275,334	304,757	323,417	339,575	349,423	349,670	353,172
SUNY, Upstate Medical U.	32,090	34,931	37,181	39,699	36,359	33,194	43,824	39,988
U.S. Military Academy	6,864 i	7,293 i	7,722 i	8,526	10,549	9,563	22,171	13,799
Private								
Adelphi U.	ne	ne	151 i	1,185	1,992	1,509	360	438
Albany C. of Pharmacy and Health Sciences	855	2,565	2,307	3,248	3,486	2,808	3,074	3,496
Albany Medical C.	15,562	15,465	16,227	15,029	15,108	17,776	22,953	20,876
Alfred U.	6,947	8,551	6,383	5,510	5,595	3,991	4,524	6,084
Bank Street C. of Ed.	ne	ne	ne	ne	ne	ne	ne	171
Bard C.	ne	173 i	ne	ne	ne	ne	ne	183
Barnard C.	1,520 e	3,159	2,742	2,772	2,824	2,972	3,353	4,046
Canisius C.	356 i	392 i	497	284	189	186	221	205
Clarkson U.	14,869	13,826	16,176	17,257	17,724	15,047	18,584	17,951
Cold Spring Harbor Lab.	ne	ne	ne	ne	ne	ne	ne	95,984 i
Colgate U.	1,927	1,308	2,060	2,406	2,953	2,819	2,851	2,291
Columbia U. in the City of New York	468,484	535,424	529,946	545,996	548,704	604,660	807,235	878,900
Cooper Union for the Advancement of Science and Art	150	173	ne	171	161	270	371	402
Cornell U.	577,093	608,811	650,592	645,791	655,641	672,692	749,721	781,651
Daemen C.	ne	ne	ne	2,317	1,915	1,876	1,613	1,615 i
Dowling C.	ne	ne	ne	1,566	1,109 i	651	200	183
Fordham U.	3,768	5,198	12,525	13,268	16,492	15,676	19,289	18,350
Hamilton C.	2,581	2,677	2,849	2,860	1,943	2,453	3,192	3,109



TABLE 34. Higher education R&amp;D expenditures, by state, institutional control, and institution: FY 2004–11

(Dollars in thousands)

State, institutional control, and institution	2004	2005	2006	2007	2008	2009	2010	2011
Hobart and William Smith Colleges	ne	ne	ne	792	1,475	1,593	1,434	1,566
Hofstra U.	695 i	712 i	3,011	2,950	3,065	3,888	2,552	2,472
Iona C.	817	ne	ne	ne	ne	ne	ne	212
Ithaca C.	2,196	1,847	1,689	1,503	1,504	1,120	1,077	1,025
Long Island U.	1,377	1,684	2,914	2,853 i	2,875	2,955 i	3,401 i	3,595 i
Louis V. Gerstner Jr. Graduate School of Biomedical Sciences at Memorial Sloan-Kettering Cancer Ctr.	ne	ne	ne	ne	ne	ne	ne	2,342
Manhattan C.	381 i	1,177	1,121	441 i	378	361	498	638
Marist C.	ne	520 i	545 i	ne	1,146	1,185	671	306
Mercy C.	ne	339 i	618	401	342	448	464	293
Mt. Sinai School of Medicine	212,786	225,293	273,216	269,451	296,380	318,407	370,666	363,091
New School	5,642	5,889	6,950	7,795	2,703	3,843	5,178	5,868
NY Chiropractic C.	ne	ne	ne	ne	ne	ne	ne	404
NY Institute of Technology	3,476	3,505	3,613	2,708	2,084	2,197	1,785	2,059
NY Medical C.	33,521	32,460	34,397	34,365	31,644	30,584	28,400	27,316
NY U.	259,333	310,014	304,022	319,728	337,093	338,839	365,944	430,752
Niagara U.	ne	ne	ne	ne	ne	731	1,090	1,656
Pace U.	2,995	2,722	2,452	2,295	2,541	1,721	3,085	3,732
Polytechnic Institute of NY U.	20,579	24,845	24,329	23,766	13,673	9,547	10,601	13,222
Rensselaer Polytechnic Institute	57,555	65,921	71,382	77,679	77,967	78,188	83,952	84,834
Rochester Institute of Technology	20,711	24,309	24,703	24,106	27,025	33,393	38,663	34,889
Rockefeller U.	192,222	198,719	215,417	233,917	247,505	252,478	265,750	272,491
Sage Colleges, system office	ne	ne	ne	ne	ne	ne	ne	218
Siena C.	ne	ne	630 i	585 i	589	1,140	1,061	1,714
Skidmore C.	785	1,138	772	726	782	1,411	2,850	2,113
St. Bonaventure U.	ne	ne	ne	ne	ne	1,501	1,727	1,936
St. John's U., New York City	1,571 i	8,373	8,539	1,922	1,759	1,701	1,643	1,786
Syracuse U.	52,016	48,227	53,784	58,342	62,098	79,950	107,024	83,686
Teachers C., Columbia U.	12,930	13,296	13,113	14,561	17,104	18,399	17,167	18,406
Touro C.	ne	ne	ne	ne	ne	ne	ne	39,406
Union C., Schenectady	4,068	2,571	1,992	2,086	2,557	1,865	1,984	1,615
Union Graduate C.	ne	ne	ne	ne	ne	ne	ne	191
U. Rochester	315,079	348,278	369,487	377,016	378,368	398,187	414,655	429,034
Utica C.	ne	ne	ne	ne	ne	ne	ne	157
Vassar C.	1,230 i	1,068 i	958	625	1,126	1,160	1,280	1,838
Yeshiva U.	183,253	193,104	189,416	192,199	197,311	193,010	314,240	283,673
North Carolina								
Public								
Appalachian State U.	884	1,462	2,422	3,359	3,851	3,135	2,898	3,835
East Carolina U.	13,811	14,563	14,539	16,372	16,880	24,922	23,995	28,114

TABLE 34. Higher education R&amp;D expenditures, by state, institutional control, and institution: FY 2004–11

(Dollars in thousands)

State, institutional control, and institution	2004	2005	2006	2007	2008	2009	2010	2011
Elizabeth City State U.	1,070	947	717	1,904	2,982	3,421	5,576	10,455
Fayetteville State U.	9,586	8,509	632	8,124	8,647	10,541	11,865	14,618
NC Agricultural and Technical State U.	19,543	22,993	23,948	24,138	29,036	28,615	35,297	34,930
NC Central U.	4,945 i	5,769 i	6,597	4,337	6,323	5,379	6,870	9,496
NC State U.	292,720	302,596	330,936	333,027	367,422	383,193	360,795	378,154
U. NC, Asheville	2,007	3,612	3,333	5,456	4,177	2,994	2,671	3,157
U. NC, Chapel Hill	420,773	447,984	448,509	484,160	530,515	651,308	755,284	767,450
U. NC, Charlotte	19,225	20,307	22,656	26,974	25,196	29,272	31,814	27,533
U. NC, Greensboro	16,880	16,016	13,724	13,574	16,451	19,811	22,436	26,121
U. NC, Pembroke	ne	ne	258	329	239	187	408	998
U. NC, Wilmington	14,862	21,431	14,212	17,603	20,326	18,287	23,143	22,593
Western Carolina U.	9,145	1,543	3,253	3,173	3,996	3,094	2,376	1,451
Winston-Salem State U.	6,889 e	1,659 i	1,245 i	831 i	417 i	ne	ne	1,179
Private								
Davidson C.	294 i	295 i	560	965	1,342	2,018	1,493	1,977
Duke U.	521,994	632,358	658,783	783,784	769,893	807,652	983,289	1,022,207
Elon U.	ne	ne	ne	ne	ne	ne	ne	1,523
Shaw U.	3,293	3,759	3,735	3,632	4,049	3,837	3,016 i	2,193
Wake Forest U.	133,753	185,668	183,843	186,175	200,750	201,701	192,034	209,134
North Dakota								
Public								
Dickinson State U.	ne	ne	ne	ne	ne	ne	ne	289
Mayville State U.	ne	185	243	224	224	224	275	454
Minot State U.	ne	ne	ne	ne	ne	614	795	590
ND State U.	102,412	103,248	104,505	107,337	116,327	114,260	126,419	134,064
U. ND	49,864	47,024	56,301	63,298	65,185	71,858	76,560	74,882
Valley City State U.	ne	ne	ne	ne	ne	ne	ne	185 i
Private								
Sitting Bull C.	ne	ne	ne	ne	ne	ne	ne	593
Ohio								
Public								
Air Force Institute of Technology	13,306	15,091	19,394	17,173	20,527	27,458	31,259	31,879
Bowling Green State U.	8,318	10,542	11,990	9,667	11,390	8,562	8,124	8,999
Central State U.	1,372 i	1,579	2,320	2,320	2,553	3,308	3,233	3,821
Cleveland State U.	18,092	22,415	16,076	17,819	15,027	14,345	34,235	55,502
Kent State U.	16,283	15,157	16,506	22,201	26,168	27,275	26,331	27,455
Miami U.	15,377	18,026	19,229	23,729	25,052	29,808	26,521	26,093
Northeast OH Medical U.	5,601	5,703	5,294	4,984	9,165	10,077	10,819	13,581
OH State U.	551,268	643,283	663,012	737,324	726,302	743,591	755,194	832,126
OH U.	39,618	44,593	39,167	39,008	38,984	43,097	50,440	57,643

TABLE 34. Higher education R&amp;D expenditures, by state, institutional control, and institution: FY 2004–11

(Dollars in thousands)

State, institutional control, and institution	2004	2005	2006	2007	2008	2009	2010	2011
U. Akron	27,996	27,897	28,675	27,399	27,415	34,853	52,884	65,536
U. Cincinnati	285,200	296,113	304,815	344,526	359,011	369,906	411,269	448,936
U. Toledo	28,076	33,002	32,745	54,342	61,082	67,464	70,399	74,149
Wright State U.	38,213	40,409	47,749	49,798	47,803	48,215	48,575	48,501
Youngstown State U.	1,851	1,386	1,314	734	1,478	2,082	4,523	4,732
Private								
Ashland U.	ne	ne	ne	ne	ne	ne	ne	526 i
Baldwin-Wallace C.	ne	ne	ne	ne	ne	ne	ne	360
Case Western Reserve U.	235,072	324,502	374,714	379,347	420,441	418,012	418,164	429,206
C. Wooster	281	570	966	1,047	707	938	988	1,225
Heidelberg U.	ne	ne	ne	ne	ne	ne	ne	913 i
John Carroll U.	2,297	3,980	4,042	4,067	2,231	1,724	1,154	743
Kenyon C.	ne	ne	ne	ne	558	338	428	433
Oberlin C.	381	1,059	810	773	726	869	1,985	1,710
OH Northern U.	ne	ne	ne	ne	ne	169	308	458
OH Wesleyan U.	371 i	459	396	376	239	290	335	719
U. Dayton	66,158	70,178	72,070	76,166	83,293	95,043	93,309	90,557
Wilberforce U.	411 i	742 i	1,073 i	1,405	879	600	760	763 i
Wittenberg U.	ne	ne	ne	ne	ne	ne	ne	243
Oklahoma								
Public								
East Central U.	ne	ne	ne	ne	ne	ne	ne	1,937
Langston U.	3,578	4,371	4,416	4,405	4,025	4,114	4,492	5,206
Northeastern State U.	1,035 i	1,929	1,861	729	627	791	707	644
OK State U. Ctr. for Health Sciences	NA	NA	NA	NA	NA	NA	4,398	2,815
OK State U., Stillwater	NA	NA	NA	NA	NA	NA	147,094	162,786
Southeastern OK State U.	435	485	487	360	316	159	192	462
Southwestern OK State U.	ne	ne	ne	266	ne	254	428	538
U. Central OK	157	216	841	406	865	935	1,786	1,548
U. OK	163,962	182,436	186,349	187,454	204,765	213,720	218,089	189,506
Private								
U. Tulsa	16,000	13,640	13,209	16,218	15,576	13,769	23,387	23,320
Oregon								
Public								
Eastern OR U.	430	834	1,373	649	610	563	200	265
OR Health and Science U.	254,447	266,687	272,174	287,430	301,396	309,675	314,990	334,324
OR Institute of Technology	2,506	3,421	4,390	4,508	4,617	ne	ne	258
OR State U.	207,201	217,998	227,693	231,895	233,358	257,564	216,595	228,814
Portland State U.	21,548 e	29,371	32,308	30,203	35,705	44,574	56,533	58,975



TABLE 34. Higher education R&amp;D expenditures, by state, institutional control, and institution: FY 2004–11

(Dollars in thousands)

State, institutional control, and institution	2004	2005	2006	2007	2008	2009	2010	2011
Bryn Mawr C.	7,417	5,717	4,889	4,640	7,658	7,296	7,476	8,388
Bucknell U.	1,872	1,869	3,255	2,404	2,934	4,538	5,456	5,043
Carnegie Mellon U.	207,772	202,244	213,338	198,139	210,988	217,687	222,790	242,882
Dickinson C.	2,795	2,615	1,688	2,920	2,204	2,364	2,109	2,050
Drexel U.	78,279	93,323	97,675	98,010	103,558	105,020	118,349	115,020
Duquesne U.	9,745	10,172	10,515	11,175	11,982	11,856	15,804	16,814
Elizabethtown C.	ne	ne	ne	ne	ne	302	514	485
Franklin and Marshall C.	1,444	2,423	1,843	2,168	2,333	2,895	3,770	3,439
Gannon U.	ne	ne	ne	ne	ne	ne	ne	444
Gettysburg C.	ne	776	524	516	595	675	814	669
Haverford C.	1,679	1,259	967	1,182	1,397	1,870	3,620	2,765
Juniata C.	898	721	289	346	384	516	511	467
La Salle U.	488	ne	843	3,208	3,824	2,851	1,298	1,460
Lafayette C.	2,190	1,718	1,799	1,551	2,002	1,898	2,089	2,426
Lehigh U.	32,048	38,886	35,046	38,307	38,190	34,352	37,332	32,086
Lycoming C.	ne	ne	ne	ne	ne	ne	ne	195
Marywood U.	ne	ne	ne	ne	ne	ne	ne	243
Mercyhurst C.	ne	ne	1,699	1,559	1,840	1,975	2,040	1,206
Messiah C.	ne	ne	ne	ne	ne	ne	ne	365
Muhlenberg C.	ne	230	437	526	512	550	488	661
Philadelphia C. of Osteopathic Medicine	961	973	1,034	1,754	1,390	1,223	1,278	2,401
Philadelphia U.	ne	227 i	858	848	645	700	1,200	1,561
Salus U.	1,509	1,149	1,642	1,587	1,851	1,380	1,359	1,493
St. Francis U.	ne	4,981	4,114	3,677	3,147	2,915	2,923	2,823
St. Joseph's U.	3,730	6,394	7,379	6,801	5,217	2,782	2,918	3,073
Susquehanna U.	ne	ne	ne	ne	ne	ne	ne	613
Swarthmore C.	2,801	2,676	3,051	2,137	2,526	3,067	2,984	2,994
Thomas Jefferson U.	112,078	107,388	106,986	107,288	99,275	101,188	103,064	104,923
U. PA	618,915	677,386	696,443	668,105	740,410	758,159	836,322	886,036
U. Scranton	1,606	1,426	1,032	640	415	490	240	221
U. of the Sciences Philadelphia	544	704	1,260	1,449	1,777	1,800	1,964	3,504
Ursinus C.	ne	ne	757	626	796	565	540	594
Villanova U.	7,477 i	8,475 i	9,473 i	10,962	9,484	9,919 i	10,066 i	10,044
Washington and Jefferson C.	ne	ne	ne	ne	1,517	1,741	1,327	932
Widener U., Chester	ne	ne	ne	ne	266	189 i	ne	332
Wilkes U.	300	ne	231	300	254	202	420	563
Rhode Island								
Public								
RI C.	ne	ne	ne	ne	ne	ne	ne	8,027
U. RI	60,947	60,252	70,696	76,237	78,871	84,989	90,016	102,630



TABLE 34. Higher education R&amp;D expenditures, by state, institutional control, and institution: FY 2004–11

(Dollars in thousands)

State, institutional control, and institution	2004	2005	2006	2007	2008	2009	2010	2011
Tennessee								
Public								
Austin Peay State U.	ne	ne	ne	ne	ne	ne	ne	2,180
East TN State U.	8,029	8,350	8,188	8,269	8,485	9,445	9,869	10,249
Middle TN State U.	2,706	2,633	2,407	2,486	3,340	3,468	4,793	4,969
TN State U.	15,696	15,263	14,693	12,982	12,571	12,581	12,432	13,468
TN Technological U.	9,000	9,752	9,986	12,499	12,351	14,823	16,754	13,247
U. Memphis	61,473	68,505	56,686	57,264	56,075	54,970	49,517	48,321
U. TN, Chattanooga	6,642	10,294	7,838	5,991	8,602	8,303	10,749	9,251
U. TN, Health Science Ctr.	NA	NA	NA	NA	NA	NA	81,904	81,220
U. TN, Institute of Agriculture	NA	NA	NA	NA	NA	NA	59,212	62,786
U. TN, Knoxville	NA	NA	NA	NA	NA	NA	150,671	167,456
U. TN, Martin	2,021	2,077	1,098	1,164	1,085	1,092	1,164	1,232
Private								
Christian Brothers U.	ne	ne	ne	ne	ne	ne	ne	242 i
Fisk U.	5,000	6,600	6,600	6,600	2,851	5,265	7,700	4,849
LeMoyne-Owen C.	ne	ne	150 i	ne	ne	396	708	209
Meharry Medical C.	27,507	29,105	32,878	33,218	34,152	26,587	27,001	29,055
Rhodes C.	282 i	345	478	517	537	694	804	788
Sewanee: U. of the South	ne	349	252	229	ne	ne	ne	1,017
Southern C. of Optometry	ne	ne	ne	ne	ne	ne	ne	392
Vanderbilt U.	322,634	357,141	389,026	415,750	444,873	455,835	504,959	566,031
Texas								
Public								
Angelo State U.	ne	ne	677	744	906	1,223	1,088	1,201
Lamar U.	3,388	3,375	3,277	4,243	4,928	5,376	5,829	4,762
Prairie View A&M U.	11,194	12,089	11,521	12,036	10,800	11,556	12,565	15,243
Sam Houston State U.	1,832 i	1,365	3,141	2,812	4,553	8,617	7,555	5,816
Stephen F. Austin State U.	4,108	4,830	8,225	7,316	7,867	8,345	9,127	6,046
Sul Ross State U.	1,058	2,375	2,676	3,056	2,549	2,698	3,039	3,183
Tarleton State U.	9,026	10,235	10,128	9,232	9,476	11,835	10,763	10,426
TX A&M Health Science Ctr.	64,170	73,162	76,109	77,957	79,688	83,631	81,615	74,957
TX A&M International U.	ne	250	ne	ne	482	1,870	2,428	3,121
TX A&M U., College Station	470,324	494,262	508,787	565,631	604,526	651,923	689,624	705,720
TX A&M U., Commerce	621	1,056	1,118	1,879	1,796	2,613	2,679	2,242
TX A&M U., Corpus Christi	13,238	10,925	12,827	13,178	12,289	13,858	17,266	17,509
TX A&M U., Kingsville	11,424	13,888	13,785	14,381	14,495	16,217	17,378	17,114
TX Southern U.	4,648	5,089	5,294	4,564	4,858	4,992	7,003	6,318
TX State U., San Marcos	10,450	8,896	9,496	10,320	19,309	24,497	30,560	33,487
TX Tech U.	57,942	57,998	59,929	59,439	60,165	92,058	133,360	149,399
TX Tech U., Health Sciences Ctr.	19,827	18,697	22,013	21,006	24,716	37,363	51,282	58,774

TABLE 34. Higher education R&amp;D expenditures, by state, institutional control, and institution: FY 2004–11

(Dollars in thousands)

State, institutional control, and institution	2004	2005	2006	2007	2008	2009	2010	2011
TX Woman's U.	2,233	1,927	2,079	2,132	2,322	2,351	2,271	2,919
U. Houston	65,692	87,936	80,984	78,381	87,691	102,917	119,811	113,709
U. Houston, Clear Lake	1,226	1,383	1,234	1,249	1,023	1,244	1,279	1,746
U. Houston, Downtown	669	453	509	175	298	528	1,013	1,351
U. North TX, Denton	17,124	16,799	18,285	15,981	18,066	24,120	31,496	42,475
U. North TX, Health Science Ctr.	18,520	22,325	25,124	28,187	28,179	29,582	38,862	45,943
U. TX, Arlington	19,375	29,155	29,408	33,324	48,475	55,005	71,414	72,483
U. TX, Austin	382,393	453,113	476,958	502,786	553,051	566,166	589,502	632,171
U. TX, Brownsville	ne	ne	ne	ne	5,923	6,004	6,886	7,491
U. TX, Dallas	31,274	43,111	44,198	46,477	59,300	65,804	82,044	93,230
U. TX, El Paso	35,706	37,985	42,882	47,410	50,603	59,983	68,870	74,069
U. TX, Health Science Ctr., Houston	147,328	152,631	175,154	191,724	197,252	217,623	240,772	261,172
U. TX, Health Science Ctr., San Antonio	137,039	142,375	150,040	160,282	201,323	221,535	207,115	198,655
U. TX, M. D. Anderson Cancer Ctr.	353,034	383,780	457,696	496,539	558,503	578,788	599,529	663,279
U. TX, Medical Branch	166,798	174,254	179,915	183,492	180,026	184,845	188,399	193,555
U. TX, Pan American	4,309	5,816	6,791	7,209	8,479	8,971	8,693	8,672
U. TX, Permian Basin	ne	ne	ne	1,646	3,043	1,442	1,417	1,232
U. TX, San Antonio	16,516	23,606	32,317	32,321	34,601	46,521	56,279	58,667
U. TX, Southwestern Medical Ctr., Dallas	314,403	320,800	333,237	341,090	390,349	402,087	419,220	431,883
U. TX, Tyler	ne	502	914	1,444	3,426	3,297	5,679	2,766
West TX A&M U.	5,503	4,573	5,816	5,502	6,332	6,526	7,346	5,847
Private								
Abilene Christian U.	238	273	281	347	337	417	662	487
Austin C.	ne	ne	ne	ne	ne	ne	ne	217
Baylor C. of Medicine	476,075	458,694	462,375	438,280	449,301	449,031	447,874	466,061
Baylor U.	7,172	8,415	8,105	10,794	12,655	14,035	10,925	12,343
Jarvis Christian C.	317	ne	881	ne	ne	566	216	206
LeTourneau U.	ne	ne	ne	410	449	491	773	796
Rice U.	61,629	63,769	67,045	72,112	74,720	79,431	97,903	110,235
Southern Methodist U.	12,129	14,439	15,823	16,985	22,902	16,741	18,742	24,453
Southwestern U.	ne	ne	ne	ne	ne	ne	ne	477
St. Edward's U.	ne	ne	ne	ne	ne	ne	ne	7,160
St. Mary's U., San Antonio	512	405	183	623	785	319	495	564
TX Christian U.	5,535	5,849	5,564	5,536	5,007	6,213	5,306	5,595
Trinity U.	1,428	1,418	1,232	1,273	1,546	1,308	1,446	1,355
U. Dallas	ne	ne	ne	ne	ne	ne	ne	170
U. of the Incarnate Word	ne	ne	ne	ne	ne	ne	ne	667
Wiley C.	322	211	ne	ne	286	375	575	2,098



TABLE 34. Higher education R&amp;D expenditures, by state, institutional control, and institution: FY 2004–11

(Dollars in thousands)

State, institutional control, and institution	2004	2005	2006	2007	2008	2009	2010	2011
Utah								
Public								
Southern UT U.	ne	ne	ne	ne	ne	ne	ne	241
U. UT	231,757	246,132	249,719	248,864	254,632	334,002	379,200	414,316
UT State U.	156,466	134,223	142,935	142,784	148,257	145,240	149,169	174,167
Weber State U.	ne	ne	ne	ne	ne	777	983	1,314
Private								
Brigham Young U., Provo	26,820	26,990	30,013	29,635	28,988	29,901	32,997	37,142
Vermont								
Public								
Johnson State C.	ne	ne	ne	ne	ne	ne	ne	222
U. VT	114,570	116,279	122,814	114,172	116,463	122,991	129,856	132,356
Private								
Middlebury C.	1,647 i	1,707 i	1,767 i	3,501	1,789	1,852	2,292	2,408
Norwich U.	ne	ne	ne	ne	ne	ne	ne	1,583
St. Michael's C.	ne	ne	ne	ne	ne	673	644	734
Virginia								
Public								
Christopher Newport U.	2,091	1,941	789	709	845	1,045	1,110	1,669
C. of William and Mary and VA Institute of Marine Science	57,520	57,867	60,813	59,894	63,400	59,638	57,461	58,919
George Mason U.	54,763	57,373	60,168	61,068	76,838	85,306	84,120	88,089
James Madison U.	5,495	5,031	4,802	5,818	5,922	5,988	7,038	7,303
Marine Corps U.	ne	ne	ne	ne	ne	ne	ne	468
Norfolk State U.	6,313	6,786	5,305	6,542	7,893	6,885	5,944	7,140
Old Dominion U.	38,922	56,956	65,357	73,549	87,594	96,186	97,176	102,192
Radford U.	210	ne	663	ne	362	521	680	784
U. of Mary Washington	ne	ne	ne	ne	ne	ne	ne	1,374
U. VA, Charlottesville	NA	NA	NA	NA	NA	NA	276,308	292,106
U. VA's C. Wise	NA	NA	NA	NA	NA	NA	481	336
VA Commonwealth U.	145,726	161,801	167,748	151,197	171,637	162,283	197,709	207,756
VA Military Institute	566	738	892	701	1,173	1,340	849	374
VA Polytechnic Institute and State U.	270,794	292,519	325,318	370,805	375,773	399,433	398,169	450,058
VA State U.	5,953	5,225	10,220	10,495	8,991	9,637	7,466	8,562
Private								
Eastern Mennonite U.	ne	ne	ne	ne	ne	ne	ne	214
Eastern VA Medical School	33,798	33,721	33,013	31,453	30,777	36,678	44,420	36,569
Edward Via C. of Osteopathic Medicine	ne	ne	ne	ne	ne	ne	ne	2,453
Ferrum C.	ne	ne	ne	ne	ne	ne	ne	176
Hampton U.	31,645	43,124	28,819	24,017	21,089	12,847	14,455	12,414

TABLE 34. Higher education R&amp;D expenditures, by state, institutional control, and institution: FY 2004–11

(Dollars in thousands)

State, institutional control, and institution	2004	2005	2006	2007	2008	2009	2010	2011
Regent U.	ne	ne	ne	ne	ne	ne	ne	157
Roanoke C.	1,159	1,169	1,454	1,189	1,201	1,282	867 i	451
Sweet Briar C.	ne	ne	ne	477	ne	ne	ne	339
U. Richmond	1,743	2,716	2,469	2,560	3,458	3,969	4,052	4,064
Washington and Lee U.	482 i	565	447	330	305	857	939	455
Washington								
Public								
Central WA U.	11,926	10,383	7,013	9,803	9,574	6,967	5,159	2,858
Eastern WA U.	1,847	2,208	2,778	2,570	2,622	2,236	3,266	3,910
Evergreen State C.	354	647	548	739	636	672	902	1,025
U. WA, Bothell	NA	NA	NA	NA	NA	NA	630	2,857
U. WA, Seattle	NA	NA	NA	NA	NA	NA	1,022,740	1,148,533
U. WA, Tacoma	NA	NA	NA	NA	NA	NA	872	1,359
WA State U.	175,142	185,282	203,542	213,262	283,086	301,080	304,352	388,974
Western WA U.	6,124	7,039	8,526	8,058	7,816	8,579	10,571	9,498
Private								
Bastyr U.	ne	ne	ne	ne	ne	1,485	1,572	2,121
Gonzaga U.	ne	ne	ne	ne	844	705	1,249	1,819
Northwest Indian C.	ne	ne	ne	ne	ne	2,538	2,426	2,483 i
Pacific Lutheran U.	413 i	456 i	499 i	567	474	1,060	425	471
Seattle Pacific U.	ne	ne	ne	150 i	ne	949	684	1,633
Seattle U.	1,189	764	930 i	1,096 i	1,935	1,400	1,337 i	1,274
U. Puget Sound	584	441	513	590	434	325	461	530
Whitman C.	839	595	421	311	1,170	494	1,415	1,142
West Virginia								
Public								
Bluefield State C.	156	359	356	401	ne	ne	ne	162
Concord U.	ne	ne	ne	ne	ne	ne	ne	216
Marshall U.	21,757	23,606	19,957	22,755	23,022	23,645	24,501	26,723
Shepherd U.	ne	ne	ne	ne	ne	ne	ne	303
West Liberty U.	ne	ne	508	579	516	535	1,645	1,869
WV School of Osteopathic Medicine	245	270	266	349	520	510	594	528
WV State U.	1,433	2,537	2,467	2,765	4,362	4,017	3,770	4,176
WV U.	110,344	117,274	124,046	138,800	145,107	145,656	154,926	166,420
Private								
Alderson-Broadbudd C.	ne	ne	ne	ne	ne	ne	ne	200 i
Future Generations Graduate School	ne	ne	ne	ne	ne	ne	ne	227
WV Wesleyan C.	ne	ne	ne	ne	ne	ne	ne	250
Wheeling Jesuit U.	4,904 i	5,604 i	6,304 i	7,328	9,390	11,551	9,398	9,825

TABLE 34. Higher education R&amp;D expenditures, by state, institutional control, and institution: FY 2004–11

(Dollars in thousands)

State, institutional control, and institution	2004	2005	2006	2007	2008	2009	2010	2011
Wisconsin								
Public								
U. WI, Eau Claire	1,139	1,245	1,304	1,409	1,167	1,705	1,950	1,406
U. WI, Green Bay	1,787	1,615	1,604	1,227	1,111	1,047	1,219	1,288 i
U. WI, La Crosse	3,428	3,509	3,062	3,650	3,370	3,349	4,141	4,373 i
U. WI, Madison	830,122	875,722	904,787	912,219	944,626	1,013,649	1,029,295	1,111,642
U. WI, Milwaukee	37,382	42,974	45,219	52,523	52,443	56,196	71,181	65,648
U. WI, Oshkosh	1,876	1,594	1,413	1,396	1,724	1,373	1,556	2,384
U. WI, Parkside	826	749	601	451	500	501	541	457
U. WI, Platteville	391 i	447	605	540	511	685	681	715 i
U. WI, River Falls	349	353	438	297	345	496	441	463 i
U. WI, Stevens Point	2,166	1,994	2,375	3,182	3,325	4,002	6,766	7,115 i
U. WI, Stout	1,344	594	447	487	476	418	388	412 i
U. WI, Superior	1,156	1,154	1,847	2,502	2,180	3,855	5,890	6,187 i
U. WI, Whitewater	538	636	631	552	654	753	718	782 i
Private								
Alverno C.	ne	ne	ne	ne	ne	ne	ne	740
Carthage C.	ne	ne	ne	ne	ne	ne	ne	242
C. of Menominee Nation	ne	ne	ne	ne	ne	ne	ne	477 i
Lawrence U.	459 i	464 i	517	375	405	483	784	241
Marquette U.	9,982	10,616	11,051	9,917	10,602	10,470	14,310	19,876
Medical C. WI	139,235	143,540	147,140	158,171	165,529	176,237	191,816	215,358
Milwaukee School of Engineering	3,146	2,628	2,933	3,740	4,156	4,245	3,944	4,472
Wyoming								
Public								
U. WY	60,054	83,742	89,707	80,041	76,711	79,684	55,319	57,549
Guam								
Public								
U. GU	9,458	8,531 i	7,604	7,059	6,106	5,834	5,555	5,626
Puerto Rico								
Public								
U. PR, Cayey	ne	ne	ne	861	1,224	1,735	927	1,474
U. PR, Humacao	3,382	3,551	4,449	5,225	2,135	1,967	1,971 i	1,976
U. PR, Mayaguez	18,386	21,792	22,337	21,738	20,094 i	20,991	26,475	34,424
U. PR, Medical Sciences Campus	34,092	35,809	38,424	38,863	35,570	41,668	39,134	64,017
U. PR, Ponce	ne	ne	ne	ne	ne	ne	ne	160
U. PR, Rio Piedras	13,071	21,432	22,623	22,345	35,665	31,592	30,515	32,582

TABLE 34. Higher education R&D expenditures, by state, institutional control, and institution: FY 2004–11

(Dollars in thousands)

State, institutional control, and institution	2004	2005	2006	2007	2008	2009	2010	2011
Private								
Polytechnic U. PR	ne	ne	ne	1,127	241	ne	ne	360
Ponce School of Medicine	10,140	7,840	7,654	9,103	7,686	7,085	8,934	10,502
U. Central del Caribe	9,797	9,181	8,790	9,446	8,243	7,484	7,122	7,515
U. del Este	ne	ne	432	407	416	709	1,372	1,358
U. del Turabo	ne	150 i	864	417	532	423	6,620	7,098
U. Metropolitana	ne	2,677 i	298	248	505	597	1,888	2,387
Virgin Islands								
Public								
U. of the VI	17,874	16,735	17,495	17,842	18,099	22,019	32,350	21,994

e = estimated; data were not provided by institution; prior-year data were used or current-year estimates were reported. i = imputed. na = not applicable; institution did not exist or did not exist as a separate entity. NA = not available; institution was not surveyed separately. ne = not eligible; institution did not meet the criteria for inclusion.

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

NOTE: From FY 2004 through FY 2009, some institution totals for all R&D expenditures may be lower-bound estimates because National Science Foundation did not attempt to estimate for nonresponse on non-S&E R&D expenditures item.

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