

**Table B-23. R&D expenditures at doctorate-granting institutions,  
by geographic division and State: fiscal years 1993-2000**

[Dollars in thousands]

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Division and State	1993	1994	1995	1996	1997	1998	1999	2000
Total .....	19,615,731	20,673,195	21,792,051	22,644,082	23,928,487	25,381,772	27,069,321	29,596,635
New England .....	1,750,226	1,787,844	1,806,255	1,860,943	1,977,740	2,049,905	2,148,567	2,332,485
Connecticut .....	364,708	366,948	377,225	388,134	392,668	402,671	415,182	464,524
Maine .....	24,879	29,393	31,901	34,684	33,144	33,106	41,452	54,821
Massachusetts .....	1,108,131	1,136,328	1,150,583	1,178,562	1,272,920	1,326,994	1,379,881	1,469,070
New Hampshire .....	99,475	101,552	93,073	98,638	107,505	117,323	127,135	150,982
Rhode Island .....	103,194	101,848	99,408	107,266	111,977	111,979	120,868	129,697
Vermont .....	49,839	51,775	54,065	53,659	59,526	57,832	64,049	63,391
Middle Atlantic .....	2,946,873	3,139,452	3,315,031	3,375,003	3,483,223	3,698,760	3,925,826	4,344,524
New Jersey .....	373,816	406,019	440,042	452,917	462,052	484,260	520,600	566,022
New York .....	1,554,051	1,655,487	1,735,458	1,732,340	1,779,991	1,881,274	2,028,668	2,240,471
Pennsylvania .....	1,019,006	1,077,946	1,139,531	1,189,746	1,241,180	1,333,226	1,376,558	1,538,031
East North Central .....	2,797,212	2,947,205	3,076,543	3,239,549	3,429,954	3,644,452	3,875,290	4,214,128
Illinois .....	757,508	793,745	812,287	862,321	926,515	1,011,054	1,086,793	1,157,321
Indiana .....	302,811	335,227	375,719	389,982	400,243	424,722	458,717	503,422
Michigan .....	699,957	730,019	774,005	807,900	842,303	876,375	914,516	986,941
Ohio .....	592,744	621,390	641,550	693,786	763,604	805,015	826,336	913,839
Wisconsin .....	444,192	466,824	472,982	485,560	497,289	527,286	588,928	652,605
West North Central .....	1,343,217	1,402,458	1,477,904	1,516,207	1,620,182	1,676,601	1,812,442	1,996,661
Iowa .....	298,745	315,560	322,769	332,402	341,772	357,927	370,651	416,295
Kansas .....	154,103	168,880	181,496	181,775	197,586	211,465	232,887	256,673
Minnesota .....	332,298	318,138	336,805	341,468	363,392	360,629	371,462	411,380
Missouri .....	344,566	374,610	397,192	404,875	459,405	478,295	544,862	609,304
Nebraska .....	137,134	147,881	158,633	158,398	177,373	186,200	205,363	208,334
North Dakota .....	54,175	55,709	59,617	71,849	56,096	56,945	61,695	67,406
South Dakota .....	22,196	21,680	21,392	25,440	24,558	25,140	25,522	27,269
South Atlantic .....	3,635,612	3,859,538	4,131,463	4,268,651	4,560,211	4,781,406	5,109,617	5,515,978
Delaware .....	52,627	50,734	53,161	54,154	65,095	69,896	73,521	74,711
District of Columbia .....	145,218	151,694	181,461	201,445	214,019	227,636	218,044	241,339
Florida .....	488,551	521,516	604,103	638,102	702,184	705,197	780,925	842,398
Georgia .....	546,960	606,212	669,507	712,188	766,346	794,691	828,886	913,704
Maryland .....	1,148,279	1,166,061	1,200,414	1,236,171	1,272,173	1,318,062	1,379,742	1,495,132
North Carolina .....	616,671	672,021	702,383	741,679	801,797	873,910	980,612	1,014,712
South Carolina .....	178,174	196,822	220,088	217,881	219,000	240,875	260,995	284,544
Virginia .....	404,111	435,192	446,947	411,825	455,959	488,606	523,335	576,945
West Virginia .....	55,021	59,286	53,399	55,206	63,638	62,533	63,557	72,493
East South Central .....	787,043	851,267	883,136	932,162	981,151	1,089,345	1,154,314	1,289,819
Alabama .....	281,209	304,961	327,403	342,021	368,602	402,502	405,323	417,297
Kentucky .....	122,409	126,026	134,784	148,376	158,238	200,682	231,085	266,916
Mississippi .....	105,739	114,311	112,794	124,675	124,601	145,717	153,228	207,163
Tennessee .....	277,686	305,969	308,155	317,090	329,710	340,444	364,678	398,443
West South Central .....	1,900,680	2,006,471	2,079,216	2,131,461	2,229,155	2,331,327	2,505,888	2,764,050
Arkansas .....	74,817	81,414	88,667	94,006	103,134	112,135	107,178	124,494
Louisiana .....	255,171	272,614	318,534	307,839	332,267	340,741	362,842	386,072
Oklahoma .....	172,968	174,585	186,371	201,626	186,702	206,627	235,286	249,357
Texas .....	1,397,724	1,477,858	1,485,644	1,527,990	1,607,052	1,671,824	1,800,582	2,004,127

See explanatory information and SOURCE at end of table.

**Table B-23. R&D expenditures at doctorate-granting institutions,  
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[Dollars in thousands]

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Division and State	1993	1994	1995	1996	1997	1998	1999	2000
Mountain .....	1,231,771	1,324,612	1,459,758	1,465,669	1,531,860	1,638,401	1,722,530	1,862,854
Arizona .....	310,721	342,792	380,216	375,881	376,818	405,999	439,286	465,777
Colorado .....	331,081	367,527	394,065	406,203	427,435	483,388	501,562	537,113
Idaho .....	48,774	55,390	58,621	64,930	63,077	68,983	68,173	70,246
Montana .....	48,080	53,057	66,879	71,518	70,591	72,425	79,847	94,914
Nevada .....	79,124	79,121	86,902	84,970	88,331	83,888	91,485	106,340
New Mexico .....	186,750	191,546	230,393	213,691	219,150	226,071	221,788	237,311
Utah .....	194,685	196,715	202,212	207,923	238,705	249,147	273,192	308,059
Wyoming .....	32,556	38,464	40,470	40,553	47,753	48,500	47,197	43,094
Pacific .....	3,175,249	3,302,941	3,493,109	3,781,718	4,038,564	4,383,983	4,724,304	5,201,607
Alaska .....	66,796	76,093	72,216	71,381	70,943	75,606	88,825	102,500
California .....	2,380,979	2,465,183	2,597,919	2,817,913	3,049,252	3,314,274	3,572,900	3,959,884
Hawaii .....	73,961	70,079	78,429	111,202	120,107	148,007	156,810	161,300
Oregon .....	225,750	242,822	258,575	276,109	290,603	312,483	326,167	343,785
Washington .....	427,763	448,764	485,970	505,113	507,659	533,613	579,602	634,138
Outlying Areas .....	47,848	51,407	69,636	72,719	76,447	87,592	90,543	74,529

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

**SOURCE:** National Science Foundation/Division of Science Resources Statistics, Survey of Research and Development Expenditures at Universities and Colleges, Fiscal Year 2000