

TABLE 69

Higher education R&D expenditures, by state and source of funds: FY 2022

(Dollars in thousands)

State	All R&D expenditures	Source of funds					
		Federal government	State and local government	Institution funds	Business	Nonprofit organizations	All other sources
United States	97,680,528	53,971,468	4,907,199	24,492,663	5,701,656	5,974,155	2,633,387
Alabama	1,431,393	779,272	68,758	437,472	87,132	40,619	18,140
Alaska	226,717	171,964	2,763	42,936	4,667	1,990	2,397
Arizona	1,690,904	729,574	136,865	552,382	51,204	92,415	128,464
Arkansas	416,507	174,976	69,558	135,614	16,168	12,338	7,853
California	12,107,605	6,587,133	463,811	2,481,533	813,103	1,244,886	517,139
Colorado	1,898,797	1,407,578	71,912	184,892	88,938	93,464	52,013
Connecticut	1,587,047	931,776	7,291	460,465	88,066	90,640	8,809
Delaware	397,123	219,136	12,150	145,855	5,989	5,692	8,301
District of Columbia	783,163	384,514	6,530	219,463	24,865	104,996	42,795
Florida	3,048,253	1,489,852	284,429	1,002,273	111,840	110,968	48,891
Georgia	3,260,128	1,968,946	183,628	782,771	173,058	133,083	18,642
Hawaii	301,272	190,232	17,913	76,959	2,750	12,717	701
Idaho	179,835	97,255	40,768	33,181	3,006	1,891	3,734
Illinois	3,160,587	1,942,622	41,713	758,082	198,165	180,882	39,123
Indiana	1,872,200	877,861	45,885	627,742	122,118	120,128	78,466
Iowa	1,005,800	508,226	43,761	364,805	51,317	36,806	885
Kansas	882,644	376,471	89,850	222,010	159,137	20,290	14,886
Kentucky	733,242	385,943	49,506	207,429	23,247	22,079	45,038
Louisiana	941,868	404,974	93,956	285,226	105,251	28,259	24,202
Maine	191,739	95,051	22,403	64,293	3,974	3,623	2,395
Maryland	5,168,958	4,055,588	99,124	620,194	157,683	218,721	17,648
Massachusetts	4,837,383	2,705,310	50,116	1,111,829	321,346	477,250	171,532
Michigan	3,082,410	1,611,073	61,599	1,109,643	138,028	120,241	41,826
Minnesota	1,241,862	663,217	80,078	363,811	53,266	46,788	34,702
Mississippi	565,341	297,587	109,217	136,905	6,521	13,033	2,078
Missouri	1,708,351	992,049	39,685	399,008	149,915	113,425	14,269
Montana	340,611	198,081	24,891	105,738	2,537	5,428	3,936
Nebraska	626,792	283,097	80,399	190,452	29,739	21,571	21,534
Nevada	312,714	131,036	10,036	148,549	5,509	7,212	10,372
New Hampshire	551,187	285,737	5,282	213,359	12,276	25,050	9,483
New Jersey	1,516,963	734,412	116,585	373,348	68,609	161,644	62,365
New Mexico	543,867	378,374	40,059	87,011	9,998	20,105	8,320
New York	8,280,323	4,446,597	340,868	1,964,999	587,571	588,442	351,846
North Carolina	3,870,874	2,319,789	198,727	747,610	343,150	212,111	49,487

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(Dollars in thousands)

State	All R&D expenditures	Source of funds					
		Federal government	State and local government	Institution funds	Business	Nonprofit organizations	All other sources
North Dakota	322,621	108,080	76,507	115,128	15,066	1,591	6,249
Ohio	3,079,902	1,800,562	92,684	789,803	212,530	125,146	59,177
Oklahoma	650,977	281,427	50,747	266,143	33,474	15,074	4,112
Oregon	1,001,028	674,193	60,639	142,746	53,574	53,511	16,365
Pennsylvania	5,454,961	3,122,812	119,742	1,433,805	369,954	289,628	119,020
Rhode Island	458,694	320,509	10,983	82,078	5,581	32,536	7,007
South Carolina	805,510	409,143	45,090	273,511	43,025	22,959	11,782
South Dakota	117,368	58,169	20,008	22,079	2,135	3,091	11,886
Tennessee	1,715,468	958,144	41,526	549,263	98,331	53,491	14,713
Texas	7,440,455	3,106,159	972,083	2,100,792	530,526	431,324	299,571
Utah	1,062,475	680,822	27,112	256,513	53,521	34,371	10,136
Vermont	218,910	119,444	1,389	82,461	2,785	7,344	5,487
Virginia	2,117,336	969,660	147,155	721,967	94,893	98,968	84,693
Washington	1,972,326	1,295,518	77,227	230,056	70,422	249,757	49,346
West Virginia	248,022	118,659	13,290	87,833	5,336	4,486	18,418
Wisconsin	1,966,266	943,590	130,741	599,840	81,332	159,019	51,744
Wyoming	139,764	68,772	5,592	58,184	4,099	2,167	950
Guam	20,481	17,066	1,682	1,339	375	19	0
Puerto Rico	103,245	74,309	1,876	21,283	4,506	812	459
Virgin Islands	20,259	19,127	1,010	NA	48	74	0

NA = not available; data were not provided by institution.

Source(s):

National Center for Science and Engineering Statistics, Higher Education Research and Development Survey, FY 2022.