

TABLE 69

**Higher education R&D expenditures, by state and source of funds: FY 2021**

(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	89,723,447	49,143,460	4,736,015	22,448,362	5,115,480	5,590,273	2,689,857
Alabama	1,272,489	734,518	63,697	351,639	75,518	35,577	11,540
Alaska	196,501	144,543	3,617	40,547	3,703	2,185	1,906
Arizona	1,516,463	669,402	82,173	507,616	49,020	89,289	118,963
Arkansas	387,674	148,709	81,283	119,966	20,542	11,316	5,858
California	11,229,857	5,770,381	435,763	2,371,758	732,081	1,171,672	748,202
Colorado	1,746,975	1,269,099	65,611	193,624	82,884	89,451	46,306
Connecticut	1,494,357	841,978	10,040	434,302	87,096	107,751	13,190
Delaware	254,725	174,185	12,767	51,348	6,221	4,188	6,016
District of Columbia	717,928	375,192	6,985	177,678	25,301	95,094	37,678
Florida	2,769,387	1,333,317	273,283	894,472	104,512	104,369	59,434
Georgia	2,949,654	1,783,614	170,835	718,957	139,083	121,879	15,286
Hawaii	294,913	178,662	20,848	79,701	2,826	11,595	1,281
Idaho	165,913	89,594	37,775	31,110	2,757	1,520	3,157
Illinois	2,914,398	1,797,549	39,911	707,784	177,929	155,002	36,223
Indiana	1,699,302	767,854	44,138	595,282	110,373	118,866	62,789
Iowa	931,207	459,107	40,296	352,448	45,609	28,862	4,885
Kansas	785,055	343,696	83,259	201,262	121,826	19,949	15,063
Kentucky	655,290	331,080	45,998	199,017	18,685	19,409	41,101
Louisiana	830,787	362,723	91,071	231,144	92,424	29,624	23,801
Maine	165,224	75,798	20,790	59,785	3,701	4,095	1,055
Maryland	4,914,256	3,890,484	88,833	563,641	136,450	220,952	13,896
Massachusetts	4,568,999	2,615,651	48,120	1,005,685	311,606	424,453	163,484
Michigan	2,842,492	1,467,444	59,206	1,038,947	119,391	118,335	39,169
Minnesota	1,115,363	581,339	77,012	330,010	46,934	47,310	32,758
Mississippi	491,172	261,723	108,616	100,139	7,300	11,316	2,078
Missouri	1,582,870	882,908	44,450	407,646	128,426	106,630	12,810
Montana	330,081	190,076	24,303	102,374	3,087	6,759	3,482
Nebraska	575,986	262,730	74,774	161,841	30,895	21,495	24,251
Nevada	308,745	121,118	10,281	151,928	4,410	6,275	14,733
New Hampshire	498,518	252,552	8,993	191,319	12,593	23,171	9,890
New Jersey	1,352,770	701,933	108,029	295,109	64,849	120,093	62,757
New Mexico	473,020	332,896	31,084	77,661	8,051	16,305	7,023
New York	7,577,235	4,065,091	425,225	1,744,191	498,361	541,516	302,851

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North Carolina	3,503,943	2,088,400	175,440	674,614	310,840	208,306	46,343
North Dakota	307,556	101,287	78,537	110,245	9,702	1,276	6,509
Ohio	2,787,835	1,594,939	70,829	765,814	192,581	121,836	41,836
Oklahoma	622,581	255,119	61,088	252,029	37,287	12,875	4,183
Oregon	929,355	626,641	57,459	129,056	50,292	48,919	16,988
Pennsylvania	4,934,724	2,794,237	104,849	1,327,092	341,497	260,399	106,650
Rhode Island	425,750	289,959	13,494	88,443	7,211	22,147	4,496
South Carolina	753,287	365,603	37,853	271,701	41,814	24,457	11,859
South Dakota	100,534	46,598	19,124	19,958	2,074	3,368	9,412
Tennessee	1,629,860	863,242	35,425	567,114	93,741	55,972	14,366
Texas	6,849,522	2,872,275	929,845	1,872,830	478,394	417,527	278,651
Utah	993,876	635,448	28,336	235,145	49,350	35,671	9,926
Vermont	198,247	106,193	727	74,424	1,989	9,062	5,852
Virginia	1,942,260	877,464	130,517	680,754	83,342	95,144	75,039
Washington	1,881,044	1,242,894	72,940	220,094	64,860	230,176	50,080
West Virginia	231,347	107,198	12,630	82,686	4,731	6,863	17,239
Wisconsin	1,771,499	830,859	156,597	529,125	60,477	147,255	47,186
Wyoming	93,202	54,444	4,681	26,166	6,088	1,756	67
American Samoa	815	815	0	0	0	0	0
Guam	17,666	14,316	1,705	1,465	24	156	0
Puerto Rico	123,707	85,484	3,055	29,659	4,600	650	259
Virgin Islands	15,231	13,099	1,818	17	142	155	0

**Source(s):**

National Center for Science and Engineering Statistics, Higher Education Research and Development Survey, FY 2021.