

TABLE 17

Total expenditures for R&D performed by nonprofit organizations, by state and source of funds: FYs 2020–22

(Dollars in thousands)

State	FY 2020				FY 2021				FY 2022			
	All R&D expenditures	Internal funds	Federal government	All other sources of funds	All R&D expenditures	Internal funds	Federal government	All other sources of funds	All R&D expenditures	Internal funds	Federal government	All other sources of funds
All states	26,709,319	5,974,525	11,809,428	8,925,365	27,029,919	7,535,597	11,481,142	8,013,180	28,052,093	7,568,079	11,648,446	8,835,568
Alabama	120,982	13	78,967	42,002	119,910	13,491	55,060	51,359	97,750	1,786	63,850	32,114
Alaska	17,387	22	16,043	1,322	17,375	102	15,447	1,826	16,387	5	15,424	959
Arizona	109,263	12,281	53,376	43,606	167,955	57,192	86,385	24,378	186,604	19,598	82,928	84,078
Arkansas	65,569	11,116	31,902	22,550	74,490	26,216	26,044	22,230	43,463	478	31,773	11,212
California	3,713,885	668,877	1,762,040	1,282,969	3,540,462	840,861	1,574,095	1,125,507	3,054,684	539,150	1,661,575	853,960
Colorado	147,984	21,278	78,277	48,429	348,426	27,150	93,487	227,790	406,223	72,338	106,672	227,212
Connecticut	142,804	32,455	18,133	92,216	102,809	64,775	18,130	19,904	116,386	52,916	28,873	34,597
Delaware	S	S	S	S	S	S	S	S	S	S	S	S
District of Columbia	1,749,853	220,703	523,881	1,005,270	1,136,172	234,985	365,758	535,430	1,187,478	385,830	302,345	499,303
Florida	462,230	98,613	182,917	180,700	460,556	100,376	188,821	171,360	517,798	90,578	205,644	221,577
Georgia	83,372	20,599	21,737	41,036	91,366	24,556	17,034	49,777	99,423	33,296	13,001	53,127
Hawaii	119,732	13,627	85,891	20,213	39,413	17,942	9,043	12,428	25,992	13,308	8,979	3,705
Idaho	10,174	711	2,835	6,628	63,604	31,599	10,531	21,475	14,314	3,269	2,644	8,401
Illinois	671,178	116,027	253,383	301,768	622,132	351,986	128,714	141,432	549,717	279,118	85,681	184,918
Indiana	21,161	11,223	1,605	8,333	27,921	13,038	555	14,329	19,131	15,962	45	3,125
Iowa	959	0	876	83	6,064	4,671	958	435	8,499	5,249	2,569	681
Kansas	11,832	25	201	11,606	13,862	3,198	614	10,050	9,038	5,871	80	3,087
Kentucky	1,777	168	286	1,324	9,685	3,629	2,714	3,341	4,553	2,909	56	1,587
Louisiana	55,173	7,868	27,177	20,129	39,385	7,191	22,100	10,094	71,125	34,899	29,332	6,894
Maine	172,329	3,539	128,756	40,033	178,944	2,957	134,831	41,156	308,582	65,949	162,993	79,640
Maryland	1,493,486	810,571	616,279	66,635	1,609,393	860,117	687,275	62,000	1,514,546	954,914	478,204	81,428
Massachusetts	5,318,579	972,737	2,729,888	1,615,954	5,356,426	1,155,852	2,506,156	1,694,418	5,791,608	1,055,992	2,674,160	2,061,456
Michigan	326,666	105,426	119,953	101,288	247,440	96,996	70,762	79,681	200,832	72,218	81,649	46,964
Minnesota	1,328,940	372,920	458,151	497,869	1,351,659	733,519	186,679	431,460	1,440,000	571,325	78,679	789,997
Mississippi	12,336	414	1,034	10,888	995	0	995	0	818	0	818	0
Missouri	149,112	54,763	45,042	49,308	107,312	44,279	29,429	33,604	124,882	46,094	33,010	45,778
Montana	4,472	64	1,661	2,747	7,203	532	1,296	5,375	9,369	47	2,151	7,170
Nebraska	25,902	8,085	11,241	6,576	10,746	927	8,893	925	65,969	3,113	62,073	783
Nevada	5,053	0	3,667	1,386	14,954	4,190	3,662	7,102	14,867	5,653	4,534	4,679
New Hampshire	28,693	0	18,500	10,193	31,310	0	19,841	11,469	46,228	9,023	17,786	19,420
New Jersey	46,032	9,686	13,649	22,697	171,639	33,476	36,396	101,768	307,198	143,594	40,765	122,838
New Mexico	97,310	12,547	42,858	41,905	21,442	5,060	8,729	7,653	23,274	5,650	9,127	8,497
New York	2,779,059	860,728	904,897	1,013,434	3,211,781	1,071,385	1,080,238	1,060,158	3,290,088	1,135,545	939,077	1,215,465

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Total expenditures for R&D performed by nonprofit organizations, by state and source of funds: FYs 2020–22

(Dollars in thousands)

State	FY 2020				FY 2021				FY 2022			
	All R&D expenditures	Internal funds	Federal government	All other sources of funds	All R&D expenditures	Internal funds	Federal government	All other sources of funds	All R&D expenditures	Internal funds	Federal government	All other sources of funds
North Carolina	944,693	395	756,013	188,286	888,653	15,272	751,954	121,427	1,202,472	56,067	976,563	169,842
North Dakota	32,702	1,147	13,454	18,101	1,007	313	338	356	657	593	0	65
Ohio	1,237,992	431,629	509,752	296,612	1,293,509	436,090	548,578	308,841	1,584,179	579,804	675,390	328,984
Oklahoma	89,402	5,442	35,596	48,364	86,965	590	41,039	45,335	98,327	1,697	53,052	43,578
Oregon	64,926	1,890	22,081	40,954	45,545	14,028	15,321	16,197	31,162	1,009	14,646	15,507
Pennsylvania	855,874	208,714	352,612	294,548	759,153	172,894	366,595	219,663	737,023	220,080	301,294	215,649
Rhode Island	188,575	40,497	79,881	68,196	171,003	11,008	71,847	88,148	130,165	8,241	72,929	48,995
South Carolina	6,563	0	4,274	2,289	6,576	343	3,851	2,382	31,336	264	11,704	19,368
South Dakota	559	0	542	17	0	0	0	0	12,712	0	0	12,712
Tennessee	548,852	368,791	132,256	47,806	631,171	381,659	228,590	20,922	599,601	435,578	128,531	35,491
Texas	1,067,782	152,421	454,525	460,837	1,236,551	208,746	576,521	451,285	1,313,784	109,282	624,480	580,021
Utah	33,293	5,366	9,268	18,659	25,978	1,731	12,441	11,806	20,073	1,994	11,946	6,133
Vermont	7,226	0	3,896	3,330	9,840	681	4,554	4,606	999	0	999	0
Virginia	596,429	71,242	334,303	190,884	804,783	106,159	572,195	126,428	785,659	135,115	531,876	118,668
Washington	1,577,239	206,349	810,941	559,949	1,453,716	164,984	835,598	453,135	1,536,003	290,919	821,631	423,452
West Virginia	56,500	11,377	21,701	23,423	22,343	193	8,710	13,440	28,494	515	11,226	16,753
Wisconsin	107,198	22,182	33,121	51,894	390,183	188,662	52,224	149,298	372,088	101,167	185,345	85,576
Wyoming	228	0	108	120	113	0	113	0	529	74	335	120

i = more than 50% of the estimate is a combination of imputation and reweighting to account for nonresponse. S = suppressed for reliability; estimate does not meet publication standards because of high sampling variability, poor response quality, or other concerns about the estimate quality.

Note(s):

These data exclude nonprofit universities and colleges and federally funded research and development centers administered by nonprofit organizations. Detail may not add to total because of rounding.

Source(s):

National Center for Science and Engineering Statistics and Census Bureau, Nonprofit Research Activities module of the Annual Business Survey.