

TABLE 8

State R&D expenditures, by state and function of R&D: FY 2021

(Dollars)

State	All R&D expenditures	Agriculture	Energy	Environment and natural resources	Health	Transportation	Other ^a
United States ^b	2,471,471,226	119,859,705	410,687,147	428,535,361	1,030,394,740	300,352,569	181,641,704
Alabama	29,812,345	104,373	178,809	6,080,232	2,163,596	2,211,001	19,074,334
Alaska	19,671,388	26,000	500,000	9,713,200	866,695	8,565,493	0
Arizona	15,011,508	1,071,301	0	1,682,113	8,467,153	3,179,987	610,954
Arkansas	9,908,767	6,614,526	50,000	1,143,026	200,000	376,215	1,525,000
California	523,819,635	6,934,080	267,900,000	46,696,431	142,503,729	47,716,505	12,068,890
Colorado	38,436,248	2,739,142	2,846,991	11,287,126	9,548,470	3,791,995	8,222,524
Connecticut	55,050,702	4,142,888	3,627,099	11,706,792	27,271,532	2,408,289	5,894,102
Delaware	3,338,773	0	46,054	2,125,080	0	1,167,639	0
District of Columbia	8,128,666	0	0	1,821,400	5,983,318	289,382	34,566
Florida	178,360,429	15,279,858	554,984	57,586,211	93,311,821	11,527,555	100,000
Georgia	18,798,826	0	9,067,079	3,132,706	0	6,599,041	0
Hawaii	10,315,823	524,528	4,216,265	320,500	37,500	5,013,530	203,500
Idaho	18,210,054	6,008,990	206,624	9,473,386	0	2,144,749	376,305
Illinois	16,213,542	2,019,400	0	2,000,000	295,040	9,430,989	2,468,113
Indiana	10,485,205	500,279	24,787	720,153	300,000	8,261,486	678,500
Iowa	10,579,028	170,448	0	2,994,029	0	6,942,156	472,395
Kansas	15,002,554	3,548,954	0	7,217,311	0	3,237,535	998,754
Kentucky	29,737,068	517,000	386,000	2,406,089	16,082,555	8,931,685	1,413,739
Louisiana	32,115,461	274,427	1,936,715	10,483,689	1,160,113	9,185,327	9,075,190
Maine	32,392,463	1,891,592	31,830	7,542,075	12,612,119	1,500,000	8,814,847
Maryland	28,212,493	0	0	900,754	25,100,000	2,211,739	0
Massachusetts	23,307,621	0	5,044,038	2,752,268	6,574,962	3,767,017	5,169,336
Michigan	29,718,391	1,216,089	0	1,690,204	20,000,000	6,812,098	0
Minnesota	22,483,420	4,789,550	0	3,612,375	0	14,081,495	0
Mississippi	11,143,362	1,564,195	0	4,036,645	0	5,542,522	0
Missouri	14,009,154	1,185,569	0	10,111,070	592,500	2,120,015	0
Montana	8,447,295	2,841,089	0	3,873,284	0	1,732,922	0
Nebraska	31,337,947	3,234,030	350,000	5,465,378	19,480,431	1,735,953	1,072,155
Nevada	4,222,929	237,064	0	439,233	0	1,588,437	1,958,195
New Hampshire	8,675,207	160,563	15,000	593,070	0	605,207	7,301,367
New Jersey	12,864,404	0	0	2,940,457	1,352,305	5,440,354	3,131,288
New Mexico	3,054,817	0	79,323	1,550,674	0	1,316,767	108,053
New York	417,246,309	8,731,413	60,426,855	31,482,716	289,740,653	11,189,625	15,675,047
North Carolina	36,870,713	14,123,005	1,574,989	5,733,496	3,665,704	10,882,065	891,454
North Dakota	35,139,613	3,177,142	24,409,679	918,049	5,182,820	1,204,774	247,149
Ohio	55,336,431	0	8,291,260	31,774,578	2,141,824	6,276,848	6,851,921
Oklahoma	55,989,692	1,329,150	550,284	2,291,905	17,077,727	4,963,501	29,777,125
Oregon	37,419,218	205,647	2,400,000	17,198,988	5,127,824	3,638,363	8,848,396
Pennsylvania	93,621,093	2,601,164	1,009,207	10,393,255	72,166,914	5,576,553	1,874,000
Rhode Island	10,226,630	53,000	0	9,014,506	411,325	185,472	562,327
South Carolina	44,557,581	1,839,876	474,350	27,217,435	10,768,594	2,646,350	1,610,976
South Dakota	3,193,289	2,013,292	1,968	0	0	1,178,029	0
Tennessee	10,287,206	0	0	233,025	0	6,683,667	3,370,514
Texas	255,731,862	932,510	0	11,309,543	222,983,844	20,505,965	0
Utah	8,316,189	0	0	4,995,663	5,350	3,315,176	0
Vermont	1,535,157	0	0	274,477	163,373	1,097,307	0
Virginia	44,913,546	3,118,841	409,898	8,065,546	4,132,097	18,505,828	10,681,336

TABLE 8

State R&D expenditures, by state and function of R&D: FY 2021

(Dollars)

State	All R&D expenditures	Agriculture	Energy	Environment and natural resources	Health	Transportation	Other ^a
Washington	56,690,210	11,882,329	11,573,426	20,929,359	1,367,538	7,528,900	3,408,658
West Virginia	9,013,091	166,685	872,617	3,183,300	293,814	2,257,746	2,238,929
Wisconsin	15,239,075	1,558,082	0	6,879,700	1,000,000	2,176,168	3,625,125
Wyoming	7,278,796	531,634	1,631,016	2,542,859	261,500	1,105,147	1,206,640

^a Other functions include, but are not limited to, corrections, criminal justice, education, forensic science, labor, public safety, and social services.

^b U.S. total reflects all 50 states and the District of Columbia.

Source(s):

National Center for Science and Engineering Statistics, Survey of State Government Research and Development, FY 2021.