

TABLE 19

State agency expenditures for R&D for intramural performers, by state, department or agency, and source of funds: FY 2021

(Dollars)

State and department or agency	R&D expenditures for intramural performers	Source of funds					
		Federal government	Own state government	Other nonfederal governments	Nonprofit organizations	Businesses and individuals	Higher education institutions
United States ^a	673,691,209	298,503,344	339,030,831	5,007,428	12,247,549	15,871,174	3,030,883
Alabama	17,295,499	2,700,032	14,369,750	138,647	87,070	0	0
Conservation and Natural Resources, Department of; Wildlife and Freshwater Fisheries Division	707,371	524,413	182,958	0	0	0	0
Education, Department of	12,449,000	225,000	12,224,000	0	0	0	0
Forensic Sciences, Department of	272,635	0	272,635	0	0	0	0
Geological Survey	2,690,719	1,060,928	1,504,211	38,510	87,070	0	0
Marine Environmental Science Consortium, Dauphin Island Sea Lab	1,175,774	889,691	185,946	100,137	0	0	0
Alaska	13,677,498	6,394,346	5,097,774	2,185,378	0	0	0
Environmental Conservation, Department of	38,918	13,049	25,869	0	0	0	0
Natural Resources, Department of; Division of Geological and Geophysical Surveys	9,086,400	2,149,354	4,751,668	2,185,378	0	0	0
Railroad Corporation	3,999,080	3,789,443	209,637	0	0	0	0
Transportation and Public Facilities, Department of	553,100	442,500	110,600	0	0	0	0
Arizona	3,522,494	2,549,694	952,253	0	20,547	0	0
Game and Fish Department	1,205,047	1,184,500	0	0	20,547	0	0
Juvenile Corrections, Department of	610,954	0	610,954	0	0	0	0
Transportation, Department of	1,706,493	1,365,194	341,299	0	0	0	0
Arkansas	170,429	38,919	131,510	0	0	0	0
Natural Heritage Commission	145,031	18,601	126,430	0	0	0	0
Transportation, Department of	25,398	20,318	5,080	0	0	0	0
California	81,309,690	3,696,424	77,406,561	206,705	0	0	0
Air Resources Board	9,600,011	0	9,600,011	0	0	0	0
Conservation, Department of	502,000	105,000	397,000	0	0	0	0
Energy Commission	23,000,000	0	23,000,000	0	0	0	0
Environmental Health Hazard Assessment, Office of	16,750,976	0	16,750,976	0	0	0	0
Motor Vehicles, Department of	1,551,423	0	1,344,718	206,705	0	0	0
Pesticide Regulation, Department of	9,087,241	0	9,087,241	0	0	0	0
Public Health, Department of	337,200	44,000	293,200	0	0	0	0
Rehabilitation, Department of	348,771	348,771	0	0	0	0	0

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Social Services, Department of	9,498	0	9,498	0	0	0	0
State Water Resources Control Board	1,106,400	10,000	1,096,400	0	0	0	0
Toxic Substances Control, Department of	1,887,600	0	1,887,600	0	0	0	0
Transportation, Department of	15,762,848	3,188,048	12,574,800	0	0	0	0
Water Resources, Department of	1,365,722	605	1,365,117	0	0	0	0
Colorado	11,957,421	3,646,854	8,260,965	0	48,004	1,598	0
Agriculture, Department of	424,585	418,882	5,703	0	0	0	0
Natural Resources, Department of	7,505,755	2,441,788	5,014,365	0	48,004	1,598	0
Public Health and Environment, Department of	2,384,904	43,144	2,341,760	0	0	0	0
Public Safety, Department of; Division of Criminal Justice	1,020,036	120,899	899,137	0	0	0	0
Transportation, Department of	622,141	622,141	0	0	0	0	0
Connecticut	27,217,883	11,631,280	15,586,603	0	0	0	0
Agricultural Experiment Station	13,302,928	5,799,104	7,503,824	0	0	0	0
Energy and Environmental Protection, Department of	6,638,597	5,089,290	1,549,307	0	0	0	0
Mental Health and Addiction Services, Department of	6,966,358	536,219	6,430,139	0	0	0	0
Transportation, Department of	310,000	206,667	103,333	0	0	0	0
Delaware	1,894,419	307,938	1,586,481	0	0	0	0
Geological Survey	1,894,419	307,938	1,586,481	0	0	0	0
District of Columbia	3,705,656	2,474,200	1,154,586	0	40,683	0	36,187
Forensic Sciences, Department of	75,566	30,000	34,566	0	11,000	0	0
Health, Department of	2,502,492	2,342,122	94,500	0	29,683	0	36,187
Transportation, Department of	127,598	102,078	25,520	0	0	0	0
Water and Sewer Authority	1,000,000	0	1,000,000	0	0	0	0
Florida	50,793,339	14,207,726	32,005,707	267	97,679	3,512,563	969,397
Agriculture and Consumer Services, Department of	1,399,535	1,238,422	161,113	0	0	0	0
Citrus, Department of	119,678	0	119,678	0	0	0	0
Fish and Wildlife Conservation Commission	47,842,060	12,969,304	30,292,850	267	97,679	3,512,563	969,397
Transportation, Department of	1,432,066	0	1,432,066	0	0	0	0
Georgia	2,016,590	1,927,148	89,442	0	0	0	0

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		Federal government	Own state government	Other nonfederal governments	Nonprofit organizations	Businesses and individuals	Higher education institutions
Natural Resources, Department of	171,752	82,310	89,442	0	0	0	0
Southern States Energy Board	1,844,838	1,844,838	0	0	0	0	0
Hawaii	2,311,413	2,311,413	0	0	0	0	0
Agriculture, Department of	123,148	123,148	0	0	0	0	0
Business, Economic Development, and Tourism, Department of	2,188,265	2,188,265	0	0	0	0	0
Idaho	7,124,769	5,868,974	1,001,191	18,610	52,346	183,648	0
Fish and Game, Department of	6,988,949	5,772,212	962,133	18,610	52,346	183,648	0
Mint Commission	14,867	0	14,867	0	0	0	0
Transportation Department	120,953	96,762	24,191	0	0	0	0
Illinois	554,067	0	554,067	0	0	0	0
Transportation, Department of	554,067	0	554,067	0	0	0	0
Indiana	470,344	200,428	269,916	0	0	0	0
Natural Resources, Department of	416,747	157,551	259,196	0	0	0	0
Transportation, Department of	53,597	42,877	10,720	0	0	0	0
Iowa	3,091,936	1,562,393	1,446,047	0	83,496	0	0
Human Rights, Criminal and Juvenile Justice Planning, Division of, Department of	472,395	166,799	222,100	0	83,496	0	0
Natural Resources, Department of	2,619,541	1,395,594	1,223,947	0	0	0	0
Kansas	1,294,643	826,068	439,040	0	0	0	29,535
State Board of Regents	5,489	0	5,489	0	0	0	0
Transportation, Department of	968,014	774,411	193,603	0	0	0	0
Water Office	321,140	51,657	239,948	0	0	0	29,535
Kentucky	1,946,017	1,191,485	754,532	0	0	0	0
Fish and Wildlife Resources, Department of	1,946,017	1,191,485	754,532	0	0	0	0
Louisiana	9,555,840	7,012,283	2,543,557	0	0	0	0
Coastal Protection and Restoration Authority	494,555	26,636	467,919	0	0	0	0
Transportation and Development, Department of	4,785,327	3,828,261	957,066	0	0	0	0
Wildlife and Fisheries, Department of	4,275,958	3,157,386	1,118,572	0	0	0	0
Maine	10,370,488	8,177,199	1,721,061	453,312	0	18,916	0
Agriculture, Conservation and Forestry, Department of	1,306,030	381,170	924,860	0	0	0	0
Inland Fisheries and Wildlife, Department of	763,201	590,794	153,491	0	0	18,916	0

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Marine Resources, Department of	2,466,000	1,945,000	521,000	0	0	0	0
MDI Biological Laboratory, Center for Biomedical Innovation	5,335,257	4,860,235	21,710	453,312	0	0	0
Transportation, Department of	500,000	400,000	100,000	0	0	0	0
Maryland	878,718	654,603	224,115	0	0	0	0
Natural Resources, Department of	287,741	182,782	104,959	0	0	0	0
Transportation, Department of	590,977	471,821	119,156	0	0	0	0
Massachusetts	1,208,652	446,541	562,111	200,000	0	0	0
Environmental Protection, Department of	278,302	22,369	255,933	0	0	0	0
Fish and Game, Department of	604,975	424,172	180,803	0	0	0	0
Gaming Commission	81,600	0	81,600	0	0	0	0
Mental Health, Department of	43,775	0	43,775	0	0	0	0
Water Resources Authority	200,000	0	0	200,000	0	0	0
Michigan	237,018	0	237,018	0	0	0	0
Environmental, Great Lakes, and Energy, Department of	237,018	0	237,018	0	0	0	0
Minnesota	2,458,490	1,071,612	1,386,878	0	0	0	0
Agriculture, Department of	876,319	0	876,319	0	0	0	0
Natural Resources, Department of	1,561,371	1,071,612	489,759	0	0	0	0
Transportation, Department of	20,800	0	20,800	0	0	0	0
Mississippi	2,005,582	864,505	896,516	244,561	0	0	0
Environmental Quality, Department of	105,387	105,387	0	0	0	0	0
Marine Resources, Department of	910,795	83,292	582,942	244,561	0	0	0
Transportation, Department of	218,157	174,526	43,631	0	0	0	0
Wildlife, Fisheries, and Parks, Department of	771,243	501,300	269,943	0	0	0	0
Missouri	6,455,476	1,681,282	4,774,194	0	0	0	0
Conservation, Department of	6,455,476	1,681,282	4,774,194	0	0	0	0
Montana	2,846,129	2,092,027	674,111	0	79,991	0	0
Environmental Quality, Department of	50,304	9,304	41,000	0	0	0	0
Fish, Wildlife and Parks, Department of	2,669,435	1,981,611	607,833	0	79,991	0	0
Transportation, Department of	126,390	101,112	25,278	0	0	0	0
Nebraska	2,128,727	1,353,742	774,985	0	0	0	0

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Game and Parks Commission	2,037,727	1,353,742	683,985	0	0	0	0
Transportation, Department of	91,000	0	91,000	0	0	0	0
Nevada	237,064	177,064	60,000	0	0	0	0
Agriculture, Department of	237,064	177,064	60,000	0	0	0	0
New Hampshire	27,186	21,749	5,437	0	0	0	0
Transportation, Department of	27,186	21,749	5,437	0	0	0	0
New Jersey	3,006,539	510,793	2,495,746	0	0	0	0
Children and Families, Department of	192,394	8,540	183,854	0	0	0	0
Community Affairs, Department of	5,000	0	5,000	0	0	0	0
Corrections, Department of	309,449	0	309,449	0	0	0	0
Environmental Protection, Department of	1,997,500	95,500	1,902,000	0	0	0	0
Pinelands Commission	465,753	406,753	59,000	0	0	0	0
State Parole Board, New Jersey	36,443	0	36,443	0	0	0	0
New Mexico	1,535,533	1,040,233	387,247	0	108,053	0	0
Cultural Affairs, Department of	108,053	0	0	0	108,053	0	0
Game and Fish, Department of	500,000	250,000	250,000	0	0	0	0
Transportation, Department of	927,480	790,233	137,247	0	0	0	0
New York	259,432,614	140,797,896	94,234,010	720,272	9,706,329	12,124,449	1,849,658
Agriculture and Markets, Department of	2,795,000	2,795,000	0	0	0	0	0
Energy Research and Development Authority	7,195,015	0	7,195,015	0	0	0	0
Environmental Conservation, Department of	4,383,537	1,256,046	3,127,491	0	0	0	0
Health, Department of	34,949,991	18,745,981	13,043,342	720,272	2,312,854	54,603	72,939
Mental Health, Office of	131,858,494	67,993,097	54,900,000	0	5,719,930	2,222,141	1,023,326
People with Developmental Disabilities, Office of	1,614,170	1,468,008	0	0	146,162	0	0
Power Authority	1,397,798	0	1,397,798	0	0	0	0
Roswell Park Comprehensive Cancer Center	63,867,651	46,823,504	4,915,666	0	1,527,383	9,847,705	753,393
State Museum	9,748,833	418,065	9,330,768	0	0	0	0
Transportation, Department of	1,622,125	1,298,195	323,930	0	0	0	0
North Carolina	17,422,714	1,368,548	16,054,166	0	0	0	0
Agriculture and Consumer Services, Department of	13,922,911	0	13,922,911	0	0	0	0

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Environmental Quality, Department of	1,223,587	915,313	308,274	0	0	0	0
Natural and Cultural Resources, Department of	1,546,672	0	1,546,672	0	0	0	0
Transportation, Department of	729,544	453,235	276,309	0	0	0	0
North Dakota	294,748	116,830	177,918	0	0	0	0
Historical Society of North Dakota	232,829	67,295	165,534	0	0	0	0
Transportation, Department of	61,919	49,535	12,384	0	0	0	0
Ohio	1,808,996	1,311,922	497,074	0	0	0	0
Education, Department of	15,000	0	15,000	0	0	0	0
Mental Health and Addictions Services, Department of	1,030,000	1,000,000	30,000	0	0	0	0
Natural Resources, Department of	763,996	311,922	452,074	0	0	0	0
Oklahoma	2,575,950	1,965,050	590,900	20,000	0	0	0
Environmental Quality, Department of	217,645	207,380	10,265	0	0	0	0
Grand River Dam Authority	315,000	0	315,000	0	0	0	0
Health, Department of	670,578	650,578	0	20,000	0	0	0
Human Services, Department of	566,539	466,122	100,417	0	0	0	0
Transportation, Department of	770,983	616,786	154,197	0	0	0	0
Wildlife Conservation, Department of	35,205	24,184	11,021	0	0	0	0
Oregon	16,083,800	10,906,808	4,764,289	412,703	0	0	0
Fish and Wildlife, Department of	11,125,917	8,680,282	2,445,635	0	0	0	0
Forestry, Department of	350,000	0	350,000	0	0	0	0
Geology and Mineral Industries, Department of	1,210,168	1,210,168	0	0	0	0	0
Human Services, Department of	2,185,495	932,330	1,253,165	0	0	0	0
Transportation, Department of	128,939	80,661	48,278	0	0	0	0
Water Resources Department	1,072,711	0	660,008	412,703	0	0	0
Watershed Enhancement Board	10,570	3,367	7,203	0	0	0	0
Pennsylvania	8,172,000	5,445,889	2,685,937	35,000	3,240	0	1,934
Conservation and Natural Resources, Department of	253,240	0	250,000	0	3,240	0	0
Environmental Protection, Department of	124,196	124,196	0	0	0	0	0
Fish and Boat Commission	231,314	93,812	135,568	0	0	0	1,934
Game Commission	7,358,250	5,057,881	2,300,369	0	0	0	0

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Susquehanna River Basin Commission	205,000	170,000	0	35,000	0	0	0
Rhode Island	8,118,721	5,668,950	2,449,771	0	0	0	0
Fish and Wildlife; Environmental Management, Department of	4,690,761	3,589,876	1,100,885	0	0	0	0
Marine Fisheries; Environmental Management, Department of	3,257,112	1,958,375	1,298,737	0	0	0	0
Narragansett Bay National Estuarine Research Reserve; Environmental Management, Department of	67,378	60,830	6,548	0	0	0	0
Water Resources Board	103,470	59,869	43,601	0	0	0	0
South Carolina	27,709,617	19,454,775	8,123,246	0	58,824	0	72,772
Health and Environmental Control, Department of	1,204,217	1,204,217	0	0	0	0	0
Mental Health, Department of	53,424	0	0	0	53,424	0	0
Natural Resources, Department of	24,621,964	17,143,344	7,444,508	0	0	0	34,112
Sea Grant Consortium	1,822,502	1,107,214	671,228	0	5,400	0	38,660
Transportation, Department of	7,510	0	7,510	0	0	0	0
South Dakota	359,853	179,763	180,090	0	0	0	0
Soybean Research and Promotion Council	11,255	0	11,255	0	0	0	0
Transportation, Department of	348,598	179,763	168,835	0	0	0	0
Tennessee	1,289,255	857,781	420,746	0	10,728	0	0
Education, Department of	1,054,099	739,305	304,066	0	10,728	0	0
Environment and Conservation, Department of	235,156	118,476	116,680	0	0	0	0
Texas	2,686,856	1,366,339	1,320,517	0	0	0	0
Environmental Quality, Commission on	41,548	0	41,548	0	0	0	0
Parks and Wildlife Department	2,139,214	1,331,041	808,173	0	0	0	0
State Health Services, Department of	506,094	35,298	470,796	0	0	0	0
Utah	5,326,711	211,570	5,115,141	0	0	0	0
Environmental Quality, Department of	75,954	0	75,954	0	0	0	0
Health, Department of	5,350	150	5,200	0	0	0	0
Natural Resources, Department of	4,215,230	0	4,215,230	0	0	0	0
Transportation, Department of	1,030,177	211,420	818,757	0	0	0	0

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Vermont	596,129	546,844	49,285	0	0	0	0
Human Services, Agency of	163,373	163,373	0	0	0	0	0
Transportation, Agency of	432,756	383,471	49,285	0	0	0	0
Virginia	16,624,998	6,150,929	10,325,664	41,405	20,000	30,000	57,000
Aging and Rehabilitative Services, Department of	10,076	10,076	0	0	0	0	0
Conservation and Recreation, Department of	441,900	306,195	44,300	41,405	20,000	30,000	0
Education, Department of	518,234	216,984	301,250	0	0	0	0
Energy, Department of	1,480,387	604,826	875,561	0	0	0	0
Environmental Quality, Department of	11,129	8,347	2,782	0	0	0	0
Forensic Science, Department of	1,337,377	278,628	1,058,749	0	0	0	0
Forestry, Department of	685,865	514,399	171,466	0	0	0	0
Innovative Technology, Center for	992,151	400,765	591,386	0	0	0	0
Institute for Advanced Learning and Research	57,000	0	0	0	0	0	57,000
Marine Resources Commission	261,607	261,607	0	0	0	0	0
Natural History, Museum of	900,582	0	900,582	0	0	0	0
Social Services, Department of	800,000	400,000	400,000	0	0	0	0
Transportation, Department of	9,128,690	3,149,102	5,979,588	0	0	0	0
Washington	21,349,303	9,409,743	9,868,765	225,836	1,830,559	0	14,400
Ecology, Department of	1,082,202	181,987	877,815	0	8,000	0	14,400
Fish and Wildlife, Department of	11,177,207	5,839,604	3,540,273	0	1,797,330	0	0
Health, Department of	1,172,000	823,000	349,000	0	0	0	0
Labor and Industries, Department of	3,408,658	662,381	2,746,277	0	0	0	0
Natural Resources, Department of	2,469,616	500,265	1,718,286	225,836	25,229	0	0
Transportation, Department of	1,742,600	1,396,000	346,600	0	0	0	0
Tree Fruit Research Commission	297,020	6,506	290,514	0	0	0	0
West Virginia	3,378,070	1,919,073	1,458,997	0	0	0	0
Agriculture, Department of	166,685	166,685	0	0	0	0	0
Geological and Economic Survey	1,253,631	244,803	1,008,828	0	0	0	0
Higher Education Policy Commission	157,078	157,078	0	0	0	0	0
Natural Resources, Department of	1,800,676	1,350,507	450,169	0	0	0	0
Wisconsin	4,401,850	2,748,540	1,653,310	0	0	0	0

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Natural Resources, Department of	4,192,800	2,581,300	1,611,500	0	0	0	0
Transportation, Department of	209,050	167,240	41,810	0	0	0	0
Wyoming	2,753,475	1,437,139	1,211,604	104,732	0	0	0
Corrections, Department of	123,280	0	123,280	0	0	0	0
Energy Authority	413,533	0	310,150	103,383	0	0	0
Enhanced Oil Recovery Institute	593,746	260,200	333,546	0	0	0	0
Game and Fish Department	1,345,407	930,341	413,717	1,349	0	0	0
State Geological Survey	182,179	170,334	11,845	0	0	0	0
Transportation, Department of	95,330	76,264	19,066	0	0	0	0

^a U.S. total reflects all 50 states and the District of Columbia.**Note(s):**

Intramural performers include a department's or agency's own employees who perform R&D and services performed by others in support of an internal R&D project.

Source(s):

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