

TABLE 19

State agency expenditures for R&D for intramural performers, by state, department or agency, and source of funds: FY 2022

(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	696,624,562	311,066,576	348,675,628	6,284,071	12,340,267	15,884,092	2,373,928
Alabama	12,081,222	5,924,342	5,991,928	24,878	140,074	0	0
Education, Department of	4,918,832	1,388,779	3,530,053	0	0	0	0
Forensic Sciences, Department of	208,094	0	208,094	0	0	0	0
Geological Survey	3,563,032	1,673,936	1,774,928	24,878	89,290	0	0
Marine Environmental Science Consortium, Dauphin Island Sea Lab	3,391,264	2,861,627	478,853	0	50,784	0	0
Alaska	11,600,345	3,986,600	4,552,345	3,061,400	0	0	0
Environmental Conservation, Department of	59,405	36,974	22,431	0	0	0	0
Natural Resources, Department of; Division of Geological and Geophysical Surveys	9,216,400	1,741,400	4,413,600	3,061,400	0	0	0
Railroad Corporation	1,868,960	1,843,762	25,198	0	0	0	0
Transportation and Public Facilities, Department of	455,580	364,464	91,116	0	0	0	0
Arizona	2,039,798	1,373,027	666,771	0	0	0	0
Game and Fish Department	950,977	950,977	0	0	0	0	0
Juvenile Corrections, Department of	561,258	0	561,258	0	0	0	0
Transportation, Department of	527,563	422,050	105,513	0	0	0	0
Arkansas	220,653	72,026	148,627	0	0	0	0
Natural Heritage Commission	154,039	18,735	135,304	0	0	0	0
Transportation, Department of	66,614	53,291	13,323	0	0	0	0
California	87,712,398	4,297,472	83,243,088	171,838	0	0	0
Air Resources Board	10,750,232	0	10,750,232	0	0	0	0
Children and Families Commission (First 5 California)	482,323	0	482,323	0	0	0	0
Conservation, Department of	838,198	397,213	440,985	0	0	0	0
Earthquake Authority	537,832	0	537,832	0	0	0	0
Energy Commission	19,700,000	0	19,700,000	0	0	0	0
Environmental Health Hazard Assessment, Office of	18,649,950	0	18,649,950	0	0	0	0
Forestry and Fire Protection, Department of	2,500,000	0	2,500,000	0	0	0	0
Housing and Community Development, Department of	500,000	0	500,000	0	0	0	0
Mental Health Services Oversight and Accountability Commission	2,500,000	0	2,500,000	0	0	0	0

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Motor Vehicles, Department of	1,761,138	0	1,589,300	171,838	0	0	0
Pesticide Regulation, Department of	10,955,679	0	10,955,679	0	0	0	0
Public Health, Department of	442,500	46,500	396,000	0	0	0	0
Rehabilitation, Department of	812,759	812,759	0	0	0	0	0
State Water Resources Control Board	740,800	0	740,800	0	0	0	0
Toxic Substances Control, Department of	645,987	0	645,987	0	0	0	0
Transportation, Department of	15,795,000	3,041,000	12,754,000	0	0	0	0
Water Resources, Department of	100,000	0	100,000	0	0	0	0
Colorado	9,393,492	2,130,681	7,132,723	0	70,000	88	60,000
Agriculture, Department of	353,700	353,700	0	0	0	0	0
Natural Resources, Department of	5,031,147	998,132	3,902,927	0	70,000	88	60,000
Public Health and Environment, Department of	2,575,872	6,494	2,569,378	0	0	0	0
Public Safety, Department of; Division of Criminal Justice	742,007	81,589	660,418	0	0	0	0
Transportation, Department of	690,766	690,766	0	0	0	0	0
Connecticut	28,200,758	11,521,538	16,679,220	0	0	0	0
Agricultural Experiment Station	13,756,272	5,475,135	8,281,137	0	0	0	0
Energy and Environmental Protection, Department of	6,524,227	4,927,766	1,596,461	0	0	0	0
Mental Health and Addiction Services, Department of	7,217,443	910,960	6,306,483	0	0	0	0
Social Services, Department of	391,305	0	391,305	0	0	0	0
Transportation, Department of	311,511	207,677	103,834	0	0	0	0
Delaware	1,568,167	456,801	1,111,366	0	0	0	0
Geological Survey	1,568,167	456,801	1,111,366	0	0	0	0
District of Columbia	4,320,240	3,165,443	1,121,627	0	33,170	0	0
Health, Department of	3,194,604	3,064,934	96,500	0	33,170	0	0
Transportation, Department of	125,636	100,509	25,127	0	0	0	0
Water and Sewer Authority	1,000,000	0	1,000,000	0	0	0	0
Florida	51,395,556	14,754,507	32,842,033	8,262	49,905	3,400,905	339,944
Agriculture and Consumer Services, Department of	927,308	813,049	114,259	0	0	0	0
Citrus, Department of	115,111	0	115,111	0	0	0	0

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Fish and Wildlife Conservation Commission	49,103,851	13,941,458	31,363,377	8,262	49,905	3,400,905	339,944
Transportation, Department of	1,249,286	0	1,249,286	0	0	0	0
Georgia	2,884,258	2,831,735	52,523	0	0	0	0
Natural Resources, Department of	127,945	75,422	52,523	0	0	0	0
Southern States Energy Board	2,756,313	2,756,313	0	0	0	0	0
Hawaii	201,790	201,790	0	0	0	0	0
Agriculture, Department of	199,748	199,748	0	0	0	0	0
Business, Economic Development, and Tourism, Department of	2,042	2,042	0	0	0	0	0
Idaho	7,278,248	5,902,655	896,502	377,471	24,002	77,618	0
Fish and Game, Department of	7,151,744	5,801,452	871,201	377,471	24,002	77,618	0
Transportation Department	126,504	101,203	25,301	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	660,237	508,583	151,654	0	0	0	0
Natural Resources, Department of	586,968	449,968	137,000	0	0	0	0
Transportation, Department of	73,269	58,615	14,654	0	0	0	0
Iowa	2,912,086	1,624,451	1,178,624	0	109,011	0	0
Human Rights, Criminal and Juvenile Justice Planning, Division of, Department of	626,038	247,423	269,604	0	109,011	0	0
Natural Resources, Department of	2,286,048	1,377,028	909,020	0	0	0	0
Kansas	1,500,273	943,443	530,445	0	0	0	26,385
State Board of Regents	4,462	0	4,462	0	0	0	0
Transportation, Department of	1,061,231	786,967	274,264	0	0	0	0
Water Office	434,580	156,476	251,719	0	0	0	26,385
Kentucky	4,434,431	3,020,549	1,413,882	0	0	0	0
Fish and Wildlife Resources, Department of	4,428,101	3,014,219	1,413,882	0	0	0	0
Nature Preserves, Office of Kentucky	6,330	6,330	0	0	0	0	0
Louisiana	10,033,831	7,470,302	2,563,529	0	0	0	0
Coastal Protection and Restoration Authority	509,392	27,435	481,957	0	0	0	0
Transportation and Development, Department of	5,000,000	4,000,000	1,000,000	0	0	0	0

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Wildlife and Fisheries, Department of	4,524,439	3,442,867	1,081,572	0	0	0	0
Maine	12,208,306	9,340,175	2,060,192	12,860	776,163	18,916	0
Agriculture, Conservation and Forestry, Department of	1,682,997	690,336	992,661	0	0	0	0
Aquaculture Innovation Center	435,877	150,000	256,000	0	29,877	0	0
Inland Fisheries and Wildlife, Department of	763,201	590,794	153,491	0	0	18,916	0
Marine Resources, Department of	2,589,300	2,042,250	547,050	0	0	0	0
MDI Biological Laboratory, Center for Biomedical Innovation	6,236,931	5,466,795	10,990	12,860	746,286	0	0
Transportation, Department of	500,000	400,000	100,000	0	0	0	0
Maryland	864,022	529,240	324,782	0	10,000	0	0
Natural Resources, Department of	272,429	215,965	46,464	0	10,000	0	0
Transportation, Department of	591,593	313,275	278,318	0	0	0	0
Massachusetts	1,636,998	658,878	678,120	300,000	0	0	0
Environmental Protection, Department of	278,302	22,369	255,933	0	0	0	0
Fish and Game, Department of	842,896	636,509	206,387	0	0	0	0
Gaming Commission	215,800	0	215,800	0	0	0	0
Water Resources Authority	300,000	0	0	300,000	0	0	0
Michigan	254,848	91,827	163,021	0	0	0	0
Agriculture and Rural Development, Department of	68,044	68,044	0	0	0	0	0
Environmental, Great Lakes, and Energy, Department of	186,804	23,783	163,021	0	0	0	0
Minnesota	3,038,564	1,281,478	1,757,086	0	0	0	0
Agriculture, Department of	996,789	0	996,789	0	0	0	0
Natural Resources, Department of	2,041,775	1,281,478	760,297	0	0	0	0
Mississippi	2,820,168	1,632,029	498,878	689,261	0	0	0
Environmental Quality, Department of	97,936	97,936	0	0	0	0	0
Gulf States Marine Fisheries Commission	91,946	91,946	0	0	0	0	0
Marine Resources, Department of	1,796,095	811,504	295,330	689,261	0	0	0
Transportation, Department of	100,000	80,000	20,000	0	0	0	0
Wildlife, Fisheries, and Parks, Department of	734,191	550,643	183,548	0	0	0	0

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Missouri	4,338,958	1,457,390	2,881,568	0	0	0	0
Conservation, Department of	4,338,958	1,457,390	2,881,568	0	0	0	0
Montana	3,400,729	2,613,939	737,128	0	49,662	0	0
Environmental Quality, Department of	55,000	10,000	45,000	0	0	0	0
Fish, Wildlife and Parks, Department of	2,786,890	2,149,509	587,719	0	49,662	0	0
Natural Resources and Conservation, Department of	36,794	36,794	0	0	0	0	0
Transportation, Department of	522,045	417,636	104,409	0	0	0	0
Nebraska	2,114,433	719,735	1,359,781	0	34,917	0	0
Game and Parks Commission	2,021,933	719,735	1,267,281	0	34,917	0	0
Transportation, Department of	92,500	0	92,500	0	0	0	0
Nevada	208,642	148,642	60,000	0	0	0	0
Agriculture, Department of	208,642	148,642	60,000	0	0	0	0
New Hampshire	136,953	109,562	27,391	0	0	0	0
Transportation, Department of	136,953	109,562	27,391	0	0	0	0
New Jersey	3,317,395	762,485	2,554,910	0	0	0	0
Agriculture, Department of	180,151	180,151	0	0	0	0	0
Children and Families, Department of	196,441	29,247	167,194	0	0	0	0
Community Affairs, Department of	5,000	0	5,000	0	0	0	0
Corrections, Department of	416,034	0	416,034	0	0	0	0
Environmental Protection, Department of	2,122,182	155,500	1,966,682	0	0	0	0
Pinelands Commission	351,618	351,618	0	0	0	0	0
State Parole Board, New Jersey	45,969	45,969	0	0	0	0	0
New Mexico	1,110,427	776,670	228,230	0	105,527	0	0
Cultural Affairs, Department of	105,527	0	0	0	105,527	0	0
Game and Fish, Department of	545,000	408,750	136,250	0	0	0	0
Transportation, Department of	459,900	367,920	91,980	0	0	0	0
New York	274,950,816	151,764,801	99,285,878	1,006,453	8,746,312	12,386,565	1,760,807
Agriculture and Markets, Department of	2,365,000	2,365,000	0	0	0	0	0
Energy Research and Development Authority	6,494,503	0	6,494,503	0	0	0	0
Environmental Conservation, Department of	4,399,864	1,233,549	3,166,315	0	0	0	0

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Health, Department of	29,578,789	15,963,950	11,019,395	1,006,453	1,079,606	100,578	408,807
Mental Health, Office of	145,294,992	75,019,722	62,100,000	0	5,266,676	2,128,571	780,023
People with Developmental Disabilities, Office of	1,682,143	1,471,237	0	0	210,906	0	0
Power Authority	1,759,883	300,000	1,459,883	0	0	0	0
Roswell Park Comprehensive Cancer Center	71,562,773	54,056,730	4,587,526	0	2,189,124	10,157,416	571,977
State Museum	10,584,848	372,196	10,212,652	0	0	0	0
Transportation, Department of	1,228,021	982,417	245,604	0	0	0	0
North Carolina	17,505,611	1,355,313	16,150,298	0	0	0	0
Agriculture and Consumer Services, Department of	13,922,911	0	13,922,911	0	0	0	0
Environmental Quality, Department of	1,223,587	915,313	308,274	0	0	0	0
Natural and Cultural Resources, Department of	1,809,113	0	1,809,113	0	0	0	0
Transportation, Department of	550,000	440,000	110,000	0	0	0	0
North Dakota	131,121	123,520	7,601	0	0	0	0
Historical Society of North Dakota	93,115	93,115	0	0	0	0	0
Transportation, Department of	38,006	30,405	7,601	0	0	0	0
Ohio	1,106,388	688,488	417,900	0	0	0	0
Education, Department of	20,000	0	20,000	0	0	0	0
Environmental Protection Agency	379,412	361,107	18,305	0	0	0	0
Natural Resources, Department of	706,976	327,381	379,595	0	0	0	0
Oklahoma	1,946,574	1,492,331	454,243	0	0	0	0
Environmental Quality, Department of	296,338	239,362	56,976	0	0	0	0
Grand River Dam Authority	315,000	0	315,000	0	0	0	0
Health, Department of	412,095	412,095	0	0	0	0	0
Human Services, Department of	459,801	390,858	68,943	0	0	0	0
Transportation, Department of	460,033	450,016	10,017	0	0	0	0
Wildlife Conservation, Department of	3,307	0	3,307	0	0	0	0
Oregon	16,703,743	11,475,817	4,894,743	333,183	0	0	0
Environmental Quality, Department of	145,000	0	145,000	0	0	0	0
Fish and Wildlife, Department of	11,930,138	9,463,926	2,466,212	0	0	0	0
Forestry, Department of	350,000	0	350,000	0	0	0	0
Geology and Mineral Industries, Department of	942,340	888,824	29,484	24,032	0	0	0

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Human Services, Department of	778,318	315,911	462,407	0	0	0	0
Transportation, Department of	1,706,746	804,751	901,995	0	0	0	0
Water Resources Department	843,686	0	534,535	309,151	0	0	0
Watershed Enhancement Board	7,515	2,405	5,110	0	0	0	0
Pennsylvania	13,041,479	6,303,696	6,675,313	10,000	52,470	0	0
Conservation and Natural Resources, Department of	158,742	0	106,272	0	52,470	0	0
Environmental Protection, Department of	46,493	0	46,493	0	0	0	0
Fish and Boat Commission	272,099	151,074	121,025	0	0	0	0
Game Commission	12,444,145	6,072,622	6,371,523	0	0	0	0
Susquehanna River Basin Commission	120,000	80,000	30,000	10,000	0	0	0
Rhode Island	5,438,324	4,031,620	1,406,704	0	0	0	0
Fish and Wildlife; Environmental Management, Department of	3,183,962	2,387,972	795,990	0	0	0	0
Marine Fisheries; Environmental Management, Department of	1,905,103	1,441,034	464,069	0	0	0	0
Narragansett Bay National Estuarine Research Reserve; Environmental Management, Department of	181,937	152,614	29,323	0	0	0	0
Transportation, Department of	150,000	50,000	100,000	0	0	0	0
Water Resources Board	17,322	0	17,322	0	0	0	0
South Carolina	29,595,672	20,543,123	8,933,808	45,337	1,612	0	71,792
Health and Environmental Control, Department of	1,146,936	1,075,144	0	0	0	0	71,792
Mental Health, Department of	39,467	37,855	0	0	1,612	0	0
Natural Resources, Department of	26,296,034	18,089,362	8,206,672	0	0	0	0
Sea Grant Consortium	2,096,811	1,340,762	710,712	45,337	0	0	0
Transportation, Department of	16,424	0	16,424	0	0	0	0
South Dakota	237,313	221,635	15,678	0	0	0	0
Soybean Research and Promotion Council	14,068	0	14,068	0	0	0	0
Transportation, Department of	223,245	221,635	1,610	0	0	0	0
Tennessee	314,273	151,913	162,360	0	0	0	0

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Environment and Conservation, Department of	314,273	151,913	162,360	0	0	0	0
Texas	2,368,161	1,147,877	1,220,284	0	0	0	0
Parks and Wildlife Department	1,811,293	838,202	973,091	0	0	0	0
State Health Services, Department of	556,868	309,675	247,193	0	0	0	0
Utah	6,375,939	328,742	6,047,197	0	0	0	0
Environmental Quality, Department of	131,217	131,217	0	0	0	0	0
Natural Resources, Department of	5,228,943	0	5,228,943	0	0	0	0
Transportation, Department of	1,015,779	197,525	818,254	0	0	0	0
Vermont	1,170,646	1,116,130	54,516	0	0	0	0
Human Services, Agency of	553,199	553,199	0	0	0	0	0
Transportation, Agency of	617,447	562,931	54,516	0	0	0	0
Virginia	15,546,707	5,899,348	9,532,359	0	0	0	115,000
Behavioral Health And Developmental Services, Department of	1,240	0	1,240	0	0	0	0
Education, Department of	865,000	500,000	250,000	0	0	0	115,000
Energy, Department of	1,600,703	688,719	911,984	0	0	0	0
Environmental Quality, Department of	189,776	140,810	48,966	0	0	0	0
Forensic Science, Department of	1,016,000	327,000	689,000	0	0	0	0
Forestry, Department of	610,930	458,198	152,732	0	0	0	0
Innovation Partnership Corporation	1,695,306	391,297	1,304,009	0	0	0	0
Institute for Advanced Learning and Research	73,000	0	73,000	0	0	0	0
Marine Resources Commission	330,022	230,701	99,321	0	0	0	0
Natural History, Museum of	856,356	421	855,935	0	0	0	0
Social Services, Department of	1,000,000	500,000	500,000	0	0	0	0
Transportation, Department of	7,308,374	2,662,202	4,646,172	0	0	0	0
Washington	24,507,566	8,031,968	14,095,870	242,286	2,137,442	0	0
Ecology, Department of	1,312,992	171,355	1,135,037	0	6,600	0	0
Fish and Wildlife, Department of	11,593,810	4,795,377	4,541,920	187,624	2,068,889	0	0
Health, Department of	1,202,000	853,000	349,000	0	0	0	0
Labor and Industries, Department of	3,221,766	625,945	2,595,821	0	0	0	0
Natural Resources, Department of	5,269,465	281,577	4,871,273	54,662	61,953	0	0
Puget Sound Partnership	12,800	3,200	9,600	0	0	0	0

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Transportation, Department of	1,559,500	1,285,000	274,500	0	0	0	0
Tree Fruit Research Commission	335,233	16,514	318,719	0	0	0	0
West Virginia	3,803,985	1,862,000	1,941,985	0	0	0	0
Agriculture, Department of	244,126	244,126	0	0	0	0	0
Geological and Economic Survey	1,772,083	234,180	1,537,903	0	0	0	0
Higher Education Policy Commission	171,450	171,450	0	0	0	0	0
Natural Resources, Department of	1,616,326	1,212,244	404,082	0	0	0	0
Wisconsin	5,209,332	2,785,057	2,424,275	0	0	0	0
Natural Resources, Department of	4,804,163	2,460,922	2,343,241	0	0	0	0
Transportation, Department of	405,169	324,135	81,034	0	0	0	0
Wyoming	2,228,619	1,435,202	792,575	842	0	0	0
Enhanced Oil Recovery Institute	423,984	177,377	246,607	0	0	0	0
Game and Fish Department	1,472,216	1,021,645	449,729	842	0	0	0
State Geological Survey	235,372	158,542	76,830	0	0	0	0
Transportation, Department of	97,047	77,638	19,409	0	0	0	0
Puerto Rico ^b	11,176,340	5,650,578	5,357,978	167,784	0	0	0
Comprehensive Cancer Center	8,273,926	4,811,207	3,294,935	167,784	0	0	0
Innovation & Technology Services	850,000	0	850,000	0	0	0	0
Institute of Statistics	1,462,042	248,999	1,213,043	0	0	0	0
Science, Technology and Research Trust	590,372	590,372	0	0	0	0	0

^a U.S. total reflects all 50 states and the District of Columbia.^b Puerto Rico is not included in U.S. total due to its classification as a U.S. territory.**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 2022.