

TABLE 19

State agency expenditures for R&D for intramural performers, by state, department or agency, and source of funds: FY 2019  
(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 <sup>a</sup>	676,171,326	283,610,819	339,735,283	18,352,623	8,559,607	22,107,674	3,805,320
Alabama	7,412,961	2,697,147	2,359,216	2,328,636	27,962	0	0
Education, Department of	480,000	0	480,000	0	0	0	0
Forensic Sciences, Department of	238,454	0	238,454	0	0	0	0
Geological Survey	2,321,007	585,647	1,528,762	178,636	27,962	0	0
Marine Environmental Science Consortium, Dauphin Island Sea Lab	4,373,500	2,111,500	112,000	2,150,000	0	0	0
Alaska	8,920,501	2,475,004	5,703,797	741,700	0	0	0
Environmental Conservation, Department of	114,393	28,598	85,795	0	0	0	0
Natural Resources, Division of Geological and Geophysical Surveys, Department of	8,392,100	2,115,200	5,535,200	741,700	0	0	0
Railroad Corporation	320,258	256,206	64,052	0	0	0	0
Transportation and Public Facilities, Department of	93,750	75,000	18,750	0	0	0	0
Arizona	761,096	760,636	460	0	0	0	0
Game and Fish Department	761,096	760,636	460	0	0	0	0
Arkansas	66,099	51,999	14,100	0	0	0	0
Game and Fish Commission	1,100	0	1,100	0	0	0	0
Transportation, Department of	64,999	51,999	13,000	0	0	0	0
California	73,081,146	6,019,861	67,042,255	0	0	0	19,030
Air Resources Board	10,753,671	0	10,753,671	0	0	0	0
Energy Commission	17,472,000	0	17,472,000	0	0	0	0
Environmental Health Hazard Assessment, Office of	15,375,492	0	15,375,492	0	0	0	0
Forestry and Fire Protection, Department of	512,919	0	512,919	0	0	0	0
Motor Vehicles, Department of	1,331,851	158,341	1,154,480	0	0	0	19,030
Parks and Recreation, Department of	140,000	0	140,000	0	0	0	0
Pesticide Regulation, Department of	8,968,747	0	8,968,747	0	0	0	0
Public Health, Department of	1,676,000	231,000	1,445,000	0	0	0	0
Rehabilitation, Department of	1,993,764	1,993,764	0	0	0	0	0
Social Services, Department of	151,151	106,879	44,272	0	0	0	0

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State Water Resources Control Board	2,496,841	171,205	2,325,636	0	0	0	0
Transportation, Department of	11,341,072	3,337,672	8,003,400	0	0	0	0
Water Resources, Department of	867,638	21,000	846,638	0	0	0	0
Colorado	11,900,858	4,674,314	7,052,168	0	99,315	75,061	0
Agriculture, Department of	1,092,868	1,087,615	5,253	0	0	0	0
Higher Education, Department of	45,000	45,000	0	0	0	0	0
Natural Resources, Department of	7,562,568	3,383,119	4,005,073	0	99,315	75,061	0
Public Health and Environment, Department of	2,028,422	5,580	2,022,842	0	0	0	0
Public Safety, Department of	1,077,000	77,000	1,000,000	0	0	0	0
Transportation, Department of	95,000	76,000	19,000	0	0	0	0
Connecticut	24,679,641	10,689,947	13,989,694	0	0	0	0
Agricultural Experiment Station	12,445,226	5,337,429	7,107,797	0	0	0	0
Education, Department of	25,000	25,000	0	0	0	0	0
Energy and Environmental Protection, Department of	6,002,512	4,485,773	1,516,739	0	0	0	0
Mental Health and Addiction Services, Department of	5,951,993	671,805	5,280,188	0	0	0	0
Transportation, Department of	254,910	169,940	84,970	0	0	0	0
Delaware	2,558,634	575,433	1,958,945	0	24,256	0	0
Geological Survey	2,391,175	476,779	1,914,396	0	0	0	0
Natural Resources and Environmental Control, Department of	143,203	98,654	44,549	0	0	0	0
Sustainable Energy Utility	24,256	0	0	0	24,256	0	0
District of Columbia	1,888,642	757,291	1,131,351	0	0	0	0
Health, Department of	796,043	712,345	83,698	0	0	0	0
Transportation, Department of	92,599	44,946	47,653	0	0	0	0
Water and Sewer Authority	1,000,000	0	1,000,000	0	0	0	0
Florida	50,604,692	12,525,320	31,635,688	7,724	207,106	6,113,213	115,641
Agriculture and Consumer Services, Department of	1,547,678	1,510,880	36,798	0	0	0	0
Citrus, Department of	110,432	0	110,432	0	0	0	0

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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
Environmental Protection, Department of	63,430	0	63,430	0	0	0	0
Fish and Wildlife Conservation Commission	47,252,513	11,014,440	29,794,389	7,724	207,106	6,113,213	115,641
Transportation, Department of	1,630,639	0	1,630,639	0	0	0	0
Georgia	3,539,835	3,228,702	311,133	0	0	0	0
Natural Resources, Department of	896,266	585,133	311,133	0	0	0	0
Southern States Energy Board	2,643,569	2,643,569	0	0	0	0	0
Hawaii	257,625	257,625	0	0	0	0	0
Agriculture, Department of	257,625	257,625	0	0	0	0	0
Idaho	6,709,727	5,580,116	1,117,876	0	0	11,735	0
Agriculture, Department of	2,571	2,571	0	0	0	0	0
Fish and Game, Department of	6,594,251	5,487,221	1,095,295	0	0	11,735	0
Transportation Department	112,905	90,324	22,581	0	0	0	0
Illinois	1,171,225	0	1,171,225	0	0	0	0
Transportation, Department of	1,171,225	0	1,171,225	0	0	0	0
Indiana	167,703	134,162	33,541	0	0	0	0
Transportation, Department of	167,703	134,162	33,541	0	0	0	0
Iowa	3,279,267	1,718,515	1,552,564	1,688	6,500	0	0
Human Rights, Criminal and Juvenile Justice Planning, Division of	411,045	199,195	210,162	1,688	0	0	0
Natural Resources, Department of	2,868,222	1,519,320	1,342,402	0	6,500	0	0
Kansas	998,463	798,177	200,286	0	0	0	0
State Board of Regents	3,200	0	3,200	0	0	0	0
Transportation, Department of	985,452	788,366	197,086	0	0	0	0
Water Office	9,811	9,811	0	0	0	0	0
Kentucky	2,038,186	1,144,522	776,664	50,000	67,000	0	0
Environmental Protection, Department of	10,000	10,000	0	0	0	0	0
Fish and Wildlife Resources, Department of	1,745,186	1,068,522	676,664	0	0	0	0
Nature Preserves, Office of	283,000	66,000	100,000	50,000	67,000	0	0
Louisiana	10,974,134	7,990,075	2,984,059	0	0	0	0

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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
Coastal Protection and Restoration Authority	466,210	25,110	441,100	0	0	0	0
Education, Department of	355,089	168,596	186,493	0	0	0	0
Transportation and Development, Department of	4,500,000	3,600,000	900,000	0	0	0	0
Wildlife and Fisheries, Department of	5,652,835	4,196,369	1,456,466	0	0	0	0
Maine	3,051,263	2,226,630	824,633	0	0	0	0
Agriculture, Conservation and Forestry, Department of	329,763	74,630	255,133	0	0	0	0
Marine Resources, Department of	2,236,500	1,764,000	472,500	0	0	0	0
Transportation, Department of	485,000	388,000	97,000	0	0	0	0
Maryland	989,368	548,991	332,377	0	10,000	0	98,000
Natural Resources, Department of	586,649	400,991	175,658	0	10,000	0	0
Transportation, Department of	402,719	148,000	156,719	0	0	0	98,000
Massachusetts	8,798,238	5,365,481	3,432,757	0	0	0	0
Environmental Protection, Department of	223,238	25,481	197,757	0	0	0	0
Fish and Game, Department of	8,050,000	5,000,000	3,050,000	0	0	0	0
Transportation, Department of	425,000	340,000	85,000	0	0	0	0
Water Resources Authority	100,000	0	100,000	0	0	0	0
Michigan	336,227	0	336,227	0	0	0	0
Environmental, Great Lakes and Energy, Department of	336,227	0	336,227	0	0	0	0
Minnesota	2,027,757	1,982,257	45,500	0	0	0	0
Agriculture, Department of	520,093	520,093	0	0	0	0	0
Forest Resources Council	30,000	0	30,000	0	0	0	0
Natural Resources, Department of	1,462,164	1,462,164	0	0	0	0	0
Transportation, Department of	15,500	0	15,500	0	0	0	0
Mississippi	1,755,759	1,238,192	456,634	57,865	3,068	0	0
Environmental Quality, Department of	83,910	83,910	0	0	0	0	0
Marine Resources, Department of	224,205	131,161	32,111	57,865	3,068	0	0
Transportation, Department of	462,995	370,396	92,599	0	0	0	0

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Wildlife, Fisheries, and Parks, Department of	984,649	652,725	331,924	0	0	0	0
Missouri	8,242,424	2,234,924	6,007,500	0	0	0	0
Conservation, Department of	8,200,487	2,222,593	5,977,894	0	0	0	0
Health and Senior Services	28,760	12,331	16,429	0	0	0	0
Natural Resources, Department of	13,177	0	13,177	0	0	0	0
Montana	2,993,604	2,030,976	731,646	0	215,982	0	15,000
Environmental Quality, Department of	98,756	63,620	35,136	0	0	0	0
Fish, Wildlife and Parks	2,740,906	1,891,898	633,026	0	215,982	0	0
Natural Resources and Conservation, Department of	59,620	0	44,620	0	0	0	15,000
Transportation, Department of	94,322	75,458	18,864	0	0	0	0
Nebraska	770,104	559,157	210,947	0	0	0	0
Agriculture, Department of	752,988	559,157	193,831	0	0	0	0
Game and Parks Commission	5,000	0	5,000	0	0	0	0
Natural Resources, Department of	12,116	0	12,116	0	0	0	0
Nevada	184,774	124,774	60,000	0	0	0	0
Agriculture, Department of	184,774	124,774	60,000	0	0	0	0
New Hampshire	131,672	105,338	26,334	0	0	0	0
Transportation, Department of	131,672	105,338	26,334	0	0	0	0
New Jersey	2,796,233	529,728	2,056,979	0	0	91,245	118,281
Community Affairs, Department of	75,000	0	75,000	0	0	0	0
Corrections, Department of	301,979	0	301,979	0	0	0	0
Environmental Protection, Department of	1,772,000	92,000	1,680,000	0	0	0	0
Pinelands Commission	647,254	437,728	0	0	0	91,245	118,281
New Mexico	900,212	556,570	326,642	0	17,000	0	0
Cultural Affairs, Department of	17,000	0	0	0	17,000	0	0
Game and Fish, Department of	500,000	250,000	250,000	0	0	0	0
Transportation, Department of	383,212	306,570	76,642	0	0	0	0
New York	276,773,893	133,841,304	103,928,744	12,173,840	7,767,253	15,711,133	3,351,619
Agriculture and Markets, Department of	1,965,000	1,965,000	0	0	0	0	0

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Energy Research and Development Authority	7,889,945	0	7,889,945	0	0	0	0
Environmental Conservation, Department of	4,306,743	1,261,283	3,045,460	0	0	0	0
Health, Department of	34,197,760	18,238,659	13,515,677	468,089	1,642,367	112,308	220,660
Mental Health, Office of	139,961,648	68,253,220	58,701,507	0	4,335,039	5,828,733	2,843,149
People with Developmental Disabilities, Office of	1,849,940	1,087,592	400,953	0	361,395	0	0
Power Authority	3,913,638	0	3,563,035	285,000	65,603	0	0
Roswell Park Cancer Institute	71,920,211	41,531,303	7,547,406	11,420,751	1,362,849	9,770,092	287,810
State Museum	9,124,024	188,260	8,935,764	0	0	0	0
Transportation, Department of	1,644,984	1,315,987	328,997	0	0	0	0
North Carolina	18,400,435	1,305,723	17,094,712	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	1,158,611	801,212	357,399	0	0	0	0
Natural and Cultural Resources, Department of	2,605,710	41,949	2,563,761	0	0	0	0
Transportation, Department of	713,203	462,562	250,641	0	0	0	0
North Dakota	421,989	62,006	359,983	0	0	0	0
Industrial Commission	344,482	0	344,482	0	0	0	0
Transportation, Department of	77,507	62,006	15,501	0	0	0	0
Ohio	18,343,328	340,452	18,002,876	0	0	0	0
Development Services Agency	17,610,002	0	17,610,002	0	0	0	0
Natural Resources, Department of	733,326	340,452	392,874	0	0	0	0
Oklahoma	1,685,458	1,232,184	439,274	14,000	0	0	0
Health, Department of	608,140	594,140	0	14,000	0	0	0
Human Services, Department of	134,244	100,683	33,561	0	0	0	0
Transportation, Department of	943,074	537,361	405,713	0	0	0	0
Oregon	24,761,784	15,053,295	9,426,605	281,884	0	0	0
Education, Department of	657,595	154,853	502,742	0	0	0	0
Environmental Quality, Department of	41,000	41,000	0	0	0	0	0
Fish and Wildlife, Department of	12,974,798	9,519,129	3,455,669	0	0	0	0
Forestry, Department of	383,592	25,309	358,283	0	0	0	0

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State and department or agency	R&D expenditures for intramural performers	Source of funds					
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Geology and Mineral Industries, Department of	814,431	754,133	29,575	30,723	0	0	0
Human Services, Department of	5,535,728	2,274,733	3,260,995	0	0	0	0
Transportation, Department of	3,901,901	2,278,749	1,623,152	0	0	0	0
Water Resources Department	435,331	0	184,170	251,161	0	0	0
Watershed Enhancement Board	17,408	5,389	12,019	0	0	0	0
Pennsylvania	8,579,205	5,523,525	2,926,816	85,000	39,068	3,056	1,740
Conservation and Natural Resources, Department of	42,124	0	0	0	39,068	3,056	0
Environmental Protection, Department of	50,000	30,000	20,000	0	0	0	0
Fish and Boat Commission	93,639	41,137	50,762	0	0	0	1,740
Game Commission	7,796,543	5,033,910	2,762,633	0	0	0	0
Susquehanna River Basin Commission	130,000	45,000	0	85,000	0	0	0
Transportation, Department of	466,899	373,478	93,421	0	0	0	0
Rhode Island	2,767,111	1,611,698	1,155,413	0	0	0	0
Environmental Management, Department of	2,667,111	1,531,698	1,135,413	0	0	0	0
Transportation, Department of	100,000	80,000	20,000	0	0	0	0
South Carolina	28,876,294	20,460,819	8,130,784	175,537	23,145	0	86,009
Health and Environmental Control, Department of	1,331,451	1,331,451	0	0	0	0	0
Natural Resources, Department of	25,807,753	18,102,015	7,491,453	175,537	0	0	38,748
Sea Grant Consortium	1,687,833	1,027,353	590,074	0	23,145	0	47,261
Transportation, Department of	49,257	0	49,257	0	0	0	0
South Dakota	361,072	225,826	135,246	0	0	0	0
Soybean Research and Promotion Council	12,965	0	12,965	0	0	0	0
Transportation, Department of	348,107	225,826	122,281	0	0	0	0
Tennessee	1,710,689	1,040,042	618,695	0	51,952	0	0
Education, Department of	1,168,921	817,008	299,961	0	51,952	0	0
Environment and Conservation, Department of	372,341	131,061	241,280	0	0	0	0
Geological Survey	169,427	91,973	77,454	0	0	0	0
Texas	3,855,855	2,702,556	1,153,299	0	0	0	0

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Environmental Quality, Commission on	96,160	0	96,160	0	0	0	0
Parks and Wildlife Department	3,534,695	2,552,556	982,139	0	0	0	0
State Health Services, Department of	225,000	150,000	75,000	0	0	0	0
Utah	5,046,202	388,305	4,657,897	0	0	0	0
Environmental Quality, Department of	19,514	0	19,514	0	0	0	0
Health, Department of	12,780	0	12,780	0	0	0	0
Natural Resources, Department of	4,121,261	0	4,121,261	0	0	0	0
Transportation, Department of	892,647	388,305	504,342	0	0	0	0
Vermont	681,380	626,153	55,227	0	0	0	0
Human Services, Agency of	210,747	210,747	0	0	0	0	0
Transportation, Agency of	470,633	415,406	55,227	0	0	0	0
Virginia	10,733,680	4,618,539	6,115,141	0	0	0	0
Aging and Rehabilitation, Department of	52,951	52,951	0	0	0	0	0
Environmental Quality, Department of	21,842	21,842	0	0	0	0	0
Forensic Science, Department of	854,800	145,600	709,200	0	0	0	0
Forestry, Department of	437,362	317,498	119,864	0	0	0	0
Innovative Technology, Center for	634,826	281,131	353,695	0	0	0	0
Mines, Minerals and Energy, Department of	617,808	399,628	218,180	0	0	0	0
Natural History, Museum of	872,668	82,907	789,761	0	0	0	0
Transportation, Department of	7,241,423	3,316,982	3,924,441	0	0	0	0
Washington	19,986,935	9,528,084	7,945,032	2,411,588	0	102,231	0
Ecology, Department of	612,918	199,842	384,276	0	0	28,800	0
Fish and Wildlife, Department of	8,375,177	4,991,513	972,076	2,411,588	0	0	0
Health, Department of	1,053,412	828,308	225,104	0	0	0	0
Labor and Industries, Department of	3,344,321	639,409	2,704,912	0	0	0	0
Natural Resources, Department of	3,584,826	1,796,102	1,788,724	0	0	0	0
Transportation, Department of	1,410,000	1,063,000	347,000	0	0	0	0
Tree Fruit Research Commission	1,606,281	9,910	1,522,940	0	0	73,431	0
West Virginia	2,867,846	1,400,595	1,448,112	19,139	0	0	0



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Geological and Economic Survey	1,316,725	227,364	1,070,222	19,139	0	0	0
Higher Education Policy Commission	153,833	153,833	0	0	0	0	0
Justice and Community Services, Division of	8,000	0	8,000	0	0	0	0
Natural Resources, Department of	1,284,700	929,200	355,500	0	0	0	0
Transportation, Department of	104,588	90,198	14,390	0	0	0	0
Wisconsin	5,043,609	3,107,340	1,936,269	0	0	0	0
Natural Resources, Department of	4,781,539	2,897,684	1,883,855	0	0	0	0
Transportation, Department of	262,070	209,656	52,414	0	0	0	0
Wyoming	1,286,491	960,509	321,960	4,022	0	0	0
Enterprise Technology Services	41,420	0	41,420	0	0	0	0
Game and Fish Department	977,107	719,345	253,740	4,022	0	0	0
State Geological Survey	183,963	173,963	10,000	0	0	0	0
Transportation, Department of	84,001	67,201	16,800	0	0	0	0

<sup>a</sup> 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 2019.