

TABLE 6

State government expenditures for R&D by intramural performers, by state: FYs 2006–21

(Dollars)

State	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
United States ^a	278,804,902	337,554,442	NA	544,768,301	666,474,213	715,619,606	671,902,599	657,514,410	582,262,610	585,025,545	604,530,902	636,036,132	628,288,241	657,808,336	691,921,461	673,691,209
Alabama	4,339,426	5,786,160	NA	9,138,896	9,749,394	14,250,319	8,612,718	9,160,769	4,589,652	6,167,637	11,438,924	13,806,194	11,465,666	7,412,961	13,704,571	17,295,499
Alaska	5,356,472	7,541,700	NA	6,387,016	7,885,200	9,004,800	5,346,296	5,963,195	9,399,991	9,464,543	7,791,729	6,608,776	7,376,047	8,920,501	10,745,451	13,677,498
Arizona	8,576,436	6,833,220	NA	6,869,506	7,545,171	7,410,362	13,303,829	16,141,770	8,953,596	8,268,168	5,938,520	3,742,746	1,618,025	761,096	1,562,435	3,522,494
Arkansas	1,073,285	420,340	NA	467,767	5,406,407	6,077,854	3,006,648	2,992,079	708,544	660,969	576,503	747,577	202,770	66,099	189,018	170,429
California	35,104,016	29,987,603	NA	48,407,683	59,744,655	69,864,773	59,490,293	57,262,060	53,984,295	55,223,244	68,155,837	77,743,824	78,250,013	73,081,146	81,087,677	81,309,690
Colorado	6,594,969	7,004,927	NA	9,395,554	7,108,498	6,942,978	8,170,313	8,248,707	8,178,672	8,467,517	7,733,398	9,193,948	9,119,788	11,900,858	12,047,699	11,957,421
Connecticut	14,519,731	13,979,139	NA	12,571,612	22,561,170	23,573,706	24,039,989	25,612,853	20,533,902	21,885,609	20,919,179	21,181,282	22,502,799	24,679,641	25,868,030	27,217,883
Delaware	1,207,011	2,011,600	NA	1,021,115	1,968,736	2,049,018	2,181,693	2,514,545	1,888,698	1,709,791	1,671,853	1,867,003	2,532,597	2,558,634	2,312,965	1,894,419
District of Columbia	302,000	2,009,000	NA	0	189,691	220,886	354,612	435,813	1,444,007	1,541,038	1,379,944	1,525,542	2,021,912	1,888,642	2,510,818	3,705,656
Florida	10,013,516	9,073,670	NA	10,356,355	50,546,200	48,327,623	48,910,954	47,372,831	44,017,593	45,015,557	44,254,939	44,546,892	51,598,115	50,604,692	52,430,371	50,793,339
Georgia	861,231	60,551	NA	3,500,000	3,200,000	3,600,000	4,145,859	2,041,101	1,766,014	1,709,229	2,303,714	2,608,350	2,345,600	3,539,835	2,648,196	2,016,590
Hawaii	2,329,186	7,617,547	NA	3,268,044	3,049,593	3,667,047	4,267,994	4,320,992	1,038,877	1,659,573	2,412,169	1,406,938	213,163	257,625	6,531,042	2,311,413
Idaho	257,926	1,127,217	NA	4,397,225	4,616,645	4,430,450	7,179,818	7,836,031	6,783,779	6,469,463	6,576,466	6,591,001	6,172,889	6,709,727	7,967,885	7,124,769
Illinois	17,617,332	18,022,400	NA	1,304,428	1,948,263	2,049,697	1,618,580	1,663,080	1,678,403	1,550,890	1,251,225	1,251,225	1,171,225	1,171,225	626,262	554,067
Indiana	2,364,046	36,349,207	NA	941,982	975,000	975,000	870,605	1,022,370	675,629	657,583	619,999	809,062	243,160	167,703	92,268	470,344
Iowa	5,754,032	363,153	NA	953,909	625,480	1,260,999	4,376,976	5,603,029	3,884,026	3,696,335	3,796,688	3,590,701	2,897,292	3,279,267	2,959,513	3,091,936
Kansas	2,137,741	1,636,784	NA	1,598,127	1,448,133	1,501,433	1,484,948	1,577,722	1,427,786	1,333,800	2,817,975	2,210,187	2,089,000	998,463	999,734	1,294,643
Kentucky	3,702,849	998,840	NA	6,241,919	1,635,906	2,137,354	2,893,270	2,962,965	454,669	734,444	1,547,014	4,414,627	2,135,186	2,038,186	1,752,643	1,946,017
Louisiana	7,530,897	4,259,147	NA	5,014,571	6,523,169	7,493,894	4,884,739	5,081,221	8,785,247	9,325,390	12,536,416	10,944,624	13,442,234	10,974,134	10,774,371	9,555,840
Maine	0	330,000	NA	1,566,832	1,542,846	1,883,123	1,071,798	1,154,177	2,048,918	2,911,504	2,970,210	2,999,641	2,802,497	3,051,263	4,038,999	10,370,488
Maryland	6,086,183	16,726,066	NA	5,683,023	1,962,000	1,928,700	513,661	572,247	906,472	846,300	327,732	1,077,744	2,744,392	989,368	659,436	878,718
Massachusetts	3,623,773	922,416	NA	831,202	862,331	785,738	917,177	1,083,202	10,934,792	11,254,392	12,613,509	9,071,354	8,362,815	8,798,238	9,681,990	1,208,652
Michigan	1,527,314	1,373,780	NA	1,800,696	1,688,930	1,509,097	2,277,811	2,651,063	626,768	702,187	1,249,998	1,287,328	0	336,227	527,096	237,018
Minnesota	2,132,277	2,904,128	NA	1,974,655	1,507,582	1,509,585	1,471,472	1,007,122	2,284,757	2,828,032	2,195,086	1,481,345	672,674	2,027,757	2,583,398	2,458,490
Mississippi	1,484,612	5,728,190	NA	2,884,940	3,933,046	4,028,133	1,890,566	2,094,537	510,446	252,513	190,826	1,192,864	1,791,073	1,755,759	1,236,050	2,005,582
Missouri	12,171,794	9,815,796	NA	9,289,817	8,065,733	7,546,964	7,274,626	6,696,607	6,922,875	7,284,056	7,900,361	7,593,953	7,809,676	8,242,424	8,112,983	6,455,476
Montana	2,404,391	1,007,000	NA	1,304,712	1,604,601	1,694,519	1,669,440	2,035,229	2,238,501	2,273,458	2,675,607	3,759,869	2,684,109	2,993,604	6,104,413	2,846,129
Nebraska	436,000	291,000	NA	125,000	327,845	320,392	303,472	368,009	769,135	534,852	465,732	373,809	6,000	17,116	2,342,783	2,128,727
Nevada	323,042	581,534	NA	342,744	295,579	364,476	376,301	366,804	9,927	3,893	5,000	3,950	140,823	184,774	188,146	237,064
New Hampshire	424,762	167,708	NA	1,018,069	502,616	591,869	760,392	683,882	84,253	82,781	367,680	460,000	151,247	131,672	49,309	27,186
New Jersey	5,483,784	5,093,922	NA	4,278,027	3,407,529	2,980,802	2,952,996	2,920,843	1,814,000	1,864,000	1,703,700	1,800,400	1,691,900	2,796,233	2,624,342	3,006,539
New Mexico	3,000,000	576,921	NA	535,531	560,955	494,193	671,314	768,893	2,462,904	2,539,877	1,390,991	860,774	1,240,504	900,212	2,594,660	1,535,533
New York	42,047,823	31,635,352	NA	266,188,075	311,702,575	318,563,367	277,561,513	267,002,282	259,604,368	243,064,412	237,318,047	246,099,969	240,591,998	276,773,893	278,751,443	259,432,614
North Carolina	3,789,289	27,479,434	NA	31,451,251	18,843,326	19,478,718	20,437,242	20,501,169	14,636,872	14,929,283	17,853,240	19,865,183	19,372,111	18,400,435	17,813,294	17,422,714

TABLE 6

State government expenditures for R&D by intramural performers, by state: FYs 2006–21

(Dollars)

State	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
North Dakota	762,297	500,943	NA	568,135	591,770	366,294	530,023	429,670	1,373,563	1,189,828	588,458	1,784,624	1,827,872	421,989	346,342	294,748
Ohio	1,515,058	283,131	NA	3,883,347	1,754,417	2,645,393	2,246,092	2,040,795	965,440	864,161	2,096,469	2,741,052	1,247,811	733,326	2,005,523	1,808,996
Oklahoma	83,333	252,516	NA	2,709,663	9,250	9,850	1,057,822	1,074,816	370,925	350,570	2,394,381	6,079,694	935,686	1,685,458	2,015,986	2,575,950
Oregon	3,318,194	2,851,734	NA	5,768,545	14,368,928	17,063,005	18,162,372	19,524,508	15,547,309	18,022,139	10,187,622	15,646,484	16,333,562	24,761,784	15,852,036	16,083,800
Pennsylvania	3,310,731	4,020,292	NA	2,992,367	5,052,858	5,826,832	5,632,495	6,675,458	7,012,137	7,387,261	6,451,626	9,100,618	7,237,397	8,579,205	7,874,722	8,172,000
Rhode Island	0	134,200	NA	67,000	53,547	80,000	20,000	225,050	389,829	281,200	175,000	6,000	1,638,664	2,767,111	3,098,833	8,118,721
South Carolina	15,780,585	26,968,153	NA	24,161,908	42,554,948	52,973,299	49,917,998	37,004,464	17,374,915	22,351,601	24,854,389	25,708,598	28,354,328	28,876,294	27,894,342	27,709,617
South Dakota	2,318,754	3,070,095	NA	424,407	722,906	652,055	60,976	114,425	220,000	240,000	432,788	437,052	330,492	361,072	327,346	359,853
Tennessee	704,000	595,010	NA	0	0	52,129	762,313	784,848	563,092	531,871	2,731,571	2,773,520	2,321,833	1,710,689	1,607,509	1,289,255
Texas	5,870,258	5,496,761	NA	4,763,897	2,813,346	9,823,374	12,375,067	11,746,259	2,673,588	2,745,383	4,289,841	4,135,685	3,201,472	3,855,855	3,165,023	2,686,856
Utah	964,170	1,333,630	NA	10,715,649	10,150,322	10,361,727	17,654,475	17,979,931	17,924,476	18,192,260	18,167,666	18,418,869	18,236,912	5,046,202	6,070,743	5,326,711
Vermont	848,787	847,350	NA	738,707	1,442,023	1,543,503	1,074,198	1,160,193	534,520	555,772	368,636	250,257	560,842	681,380	633,399	596,129
Virginia	5,045,794	7,577,630	NA	8,242,184	6,744,260	6,567,645	8,766,523	13,046,471	10,486,612	14,607,108	13,596,149	12,312,670	12,931,846	10,733,680	12,627,565	16,624,998
Washington	12,187,408	12,103,757	NA	8,136,939	10,916,316	11,745,788	12,875,297	12,820,150	9,824,415	10,470,091	14,446,035	14,515,938	15,395,106	19,986,935	23,415,061	21,349,303
West Virginia	1,767,688	2,414,915	NA	2,555,126	7,094,173	8,130,744	4,965,278	4,764,417	2,837,135	1,893,045	2,455,891	1,723,204	2,641,834	2,867,846	3,317,637	3,378,070
Wisconsin	5,534,273	4,766,000	NA	5,329,091	5,060,717	6,126,083	6,896,219	7,402,664	6,279,098	6,547,800	5,783,316	4,862,108	5,270,830	5,043,609	4,674,607	4,401,850
Wyoming	4,216,426	4,622,873	NA	2,601,053	3,609,627	3,134,016	3,615,536	3,001,092	1,837,188	1,883,135	2,560,853	2,821,077	2,362,454	1,286,491	2,875,496	2,753,475
Puerto Rico ^b	1,274,358	328,664	NA	8,352,468	2,300,000	2,500,000	6,360,716	6,084,344	5,193,888	4,454,166	na	na	na	na	na	na

na = not applicable; did not report to survey. NA = not available; survey was not conducted for FY 2008.

^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. State R&D totals can display considerable volatility between survey years due to several national and state-specific factors. Large changes are not unusual, especially for discretionary spending items such as R&D.

Source(s):

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