

Table 61. Federal obligations for research and experimental development, by state or location, agency, and performer: FY 2024

(Dollars in thousands)

State or location and agency	Total	Intramural		Extramural			
				United States and U.S. territories			
		Federal agencies ^a	FFRDCs	Businesses	Higher education ^b	Nonprofit organizations	State and local governments
Alabama	7,779,925	3,372,619	2,106	3,699,601	657,890	30,424	17,286
Departments							
Department of Agriculture	61,815	5,588	0	650	53,407	1,454	716
Department of Commerce	60,951	15,595	0	1,591	42,552	250	963
Department of Defense	6,561,678	3,332,756	2,106	3,169,777	42,985	14,055	0
Department of Education	2,730	0	0	0	450	0	2,280
Department of Energy	46,588	0	0	29,301	14,397	1,931	959
Department of Health and Human Services	392,475	149	0	7,179	379,181	4,239	1,726
Department of Homeland Security	6,369	1	0	1,662	4,707	0	0
Department of the Interior	949	469	0	0	449	0	30
Department of Justice	1,124	0	0	0	1,124	0	0
Department of Transportation	24,207	1	0	5,395	8,600	0	10,211
Department of Veterans Affairs	15,706	15,706	0	0	0	0	0
Other agencies							
Agency for International Development	6,678	0	0	0	0	6,678	0
Environmental Protection Agency	117	0	0	0	117	0	0
National Aeronautics and Space Administration	522,146	2,354	0	482,250	37,141	0	400
National Science Foundation	75,897	0	0	1,795	72,286	1,816	0
Nuclear Regulatory Commission	494	0	0	0	494	0	0
Alaska	372,625	92,763	0	136,885	119,401	10,327	13,249
Departments							
Department of Agriculture	15,322	9,022	0	600	3,541	0	2,160
Department of Commerce	10,194	3,187	0	0	6,666	341	0
Department of Defense	210,901	58,713	0	132,881	16,181	3,026	100
Department of Education	5,700	0	0	0	5,700	0	0
Department of Energy	14,066	0	0	3	12,960	103	1,000
Department of Health and Human Services	16,053	198	0	0	6,444	2,726	6,685
Department of Homeland Security	9,450	250	0	0	9,200	0	0
Department of the Interior	22,143	21,391	0	255	218	17	261
Department of Transportation	3,777	3	0	792	769	0	2,214
Other agencies							
Environmental Protection Agency	519	0	0	51	467	0	0
National Aeronautics and Space Administration	20,713	0	0	1,231	19,483	0	0
National Science Foundation	43,628	0	0	913	37,772	4,113	830
Nuclear Regulatory Commission	160	0	0	160	0	0	0
Arizona	2,347,986	140,696	93,790	1,410,859	556,654	126,772	19,215

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Departments							
Department of Agriculture	32,537	21,213	0	1,184	9,896	44	200
Department of Commerce	3,360	0	0	436	2,923	0	0
Department of Defense	1,456,766	76,121	0	1,322,647	46,030	5,368	6,601
Department of Education	6,177	0	0	0	3,897	0	2,280
Department of Energy	64,052	11	0	33,661	30,378	1	0
Department of Health and Human Services	393,883	12,096	0	18,054	245,017	111,649	7,067
Department of Homeland Security	9,192	4,508	0	0	4,683	0	0
Department of the Interior	15,799	14,654	0	0	1,065	1	78
Department of Justice	731	0	0	0	39	691	0
Department of Transportation	2,994	4	0	0	0	0	2,990
Department of Veterans Affairs	10,288	10,288	0	0	0	0	0
Other agencies							
Agency for International Development	6,750	0	0	0	6,750	0	0
National Aeronautics and Space Administration	103,817	1,799	0	27,880	65,562	8,575	0
National Science Foundation	241,280	0	93,790	6,636	140,413	442	0
Nuclear Regulatory Commission	362	0	0	362	0	0	0
Arkansas	325,495	47,566	0	84,070	173,855	15,235	4,769
Departments							
Department of Agriculture	59,209	28,825	0	0	28,873	898	612
Department of Commerce	15,060	0	0	0	15,000	60	0
Department of Defense	83,902	1,975	0	68,570	13,150	207	0
Department of Energy	5,784	0	0	1,206	4,578	0	0
Department of Health and Human Services	111,271	0	0	11,983	84,151	14,070	1,067
Department of Homeland Security	1	0	0	1	0	0	0
Department of the Interior	3,629	3,616	0	0	0	0	13
Department of Transportation	4,613	1	0	0	1,534	0	3,077
Department of Veterans Affairs	13,148	13,148	0	0	0	0	0
Other agencies							
National Aeronautics and Space Administration	544	0	0	83	461	0	0
National Science Foundation	28,335	0	0	2,228	26,107	0	0
California	24,603,898	3,354,904	5,077,414	9,530,473	5,544,017	1,023,443	73,646
Departments							
Department of Agriculture	190,125	111,282	0	6,513	62,442	3,587	6,301
Department of Commerce	49,380	832	0	8,757	34,318	5,473	0
Department of Defense	11,457,335	2,931,214	510,490	7,488,186	408,242	117,013	2,189

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Department of Education	68,375	0	0	18,450	28,722	10,944	10,259
Department of Energy	3,096,270	1,360	2,535,041	303,959	218,376	36,584	949
Department of Health and Human Services	5,448,357	143	38,967	710,620	3,931,952	759,190	7,486
Department of Homeland Security	29,697	5,333	4,232	10,757	3,241	6,135	0
Department of the Interior	38,337	23,422	0	1,419	12,586	630	280
Department of Justice	3,601	0	0	847	2,754	0	0
Department of Transportation	72,242	224	0	20,347	8,225	0	43,446
Department of the Treasury	3,300	0	3,300	0	0	0	0
Department of Veterans Affairs	264,155	264,155	0	0	0	0	0
Other agencies							
Agency for Global Media	238	0	0	238	0	0	0
Agency for International Development	15,763	0	0	2,671	12,792	300	0
Environmental Protection Agency	5,565	0	75	3,910	1,580	0	0
National Aeronautics and Space Administration	3,051,356	13,776	1,984,540	889,218	127,749	33,344	2,730
National Science Foundation	797,526	3,163	186	62,750	690,538	40,884	6
Nuclear Regulatory Commission	2,915	0	584	1,830	500	0	0
Tennessee Valley Authority	9,360	0	0	0	0	9,360	0
Colorado	9,213,288	394,936	1,053,406	6,573,242	1,064,670	98,726	28,307
Departments							
Department of Agriculture	73,488	48,905	0	2,807	21,065	447	264
Department of Commerce	253,663	184,874	2	5,942	61,553	1,292	0
Department of Defense	6,376,900	72,911	16,920	6,203,541	68,093	15,435	0
Department of Education	9,504	0	0	0	623	4,409	4,472
Department of Energy	1,061,188	25	907,924	49,418	101,189	2,631	0
Department of Health and Human Services	596,060	1,649	0	33,455	507,866	50,500	2,590
Department of Homeland Security	2,648	452	0	2,196	0	0	0
Department of the Interior	40,303	33,320	300	1,006	4,737	34	907
Department of Justice	4,297	0	0	0	4,297	0	0
Department of Transportation	16,826	4,793	0	988	6,208	0	4,836
Department of Veterans Affairs	39,961	39,961	0	0	0	0	0
Other agencies							
Environmental Protection Agency	7,531	2,119	0	2,920	117	2,375	0
National Aeronautics and Space Administration	409,482	4,466	0	261,192	141,227	2,597	0
National Science Foundation	320,536	1,461	128,260	9,777	146,795	19,006	15,237
Nuclear Regulatory Commission	900	0	0	0	900	0	0
Connecticut	2,127,020	53,063	0	1,176,749	872,609	13,072	11,528

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Departments							
Department of Agriculture	11,484	1,724	0	0	7,414	2,029	317
Department of Commerce	2,747	0	0	11	2,736	0	0
Department of Defense	1,138,335	9,848	0	1,074,150	52,922	1,416	0
Department of Education	5,994	0	0	0	5,693	0	301
Department of Energy	71,847	2	0	43,765	27,424	656	0
Department of Health and Human Services	763,864	0	0	31,664	718,451	7,042	6,707
Department of Homeland Security	4,238	479	0	3,758	0	0	0
Department of the Interior	1,436	1,052	0	0	369	0	15
Department of Justice	2,332	0	0	0	1,332	1,000	0
Department of Transportation	8,005	3	0	3,815	0	0	4,187
Department of Veterans Affairs	39,953	39,953	0	0	0	0	0
Other agencies							
Agency for International Development	1,290	0	0	0	555	735	0
Environmental Protection Agency	1,542	0	0	1,426	117	0	0
National Aeronautics and Space Administration	21,134	2	0	16,888	4,245	0	0
National Science Foundation	52,818	0	0	1,273	51,351	195	0
Delaware	250,548	6,873	0	62,668	161,519	17,245	2,243
Departments							
Department of Agriculture	10,050	1,194	0	175	8,680	0	0
Department of Commerce	19,040	150	0	101	18,789	0	0
Department of Defense	53,992	5,185	0	28,928	18,206	1,673	0
Department of Education	1,815	0	0	0	1,514	0	301
Department of Energy	12,851	0	0	5,038	7,813	0	0
Department of Health and Human Services	87,154	0	0	24,688	49,953	12,138	375
Department of the Interior	1,283	339	0	0	944	0	0
Department of Transportation	1,865	*	0	0	299	0	1,567
Other agencies							
Agency for Global Media	*	0	0	*	0	0	0
Environmental Protection Agency	187	0	0	0	187	0	0
National Aeronautics and Space Administration	7,435	5	0	2,238	1,968	3,225	0
National Science Foundation	54,876	0	0	1,501	53,165	210	0
District of Columbia	10,176,965	7,120,818	47,455	1,690,200	272,929	1,031,252	14,310
Departments							
Department of Agriculture	458,164	442,155	0	175	13,390	1,743	700
Department of Commerce	396,415	392,615	0	714	2,115	971	0

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Department of Defense	3,837,236	2,680,154	38,254	898,044	30,869	189,566	350
Department of Education	10,239	0	0	0	2,557	7,681	0
Department of Energy	1,374,600	1,336,949	0	18,982	6,484	11,677	508
Department of Health and Human Services	337,887	75,443	0	23,456	155,488	82,993	508
Department of Homeland Security	36,653	24,722	0	10,604	0	1,327	0
Department of the Interior	25,489	16,984	2	260	5,112	3,041	90
Department of Justice	34,693	6,816	0	16,676	0	4,913	6,287
Department of Labor	2,354	1,050	0	1,304	0	0	0
Department of State	34,388	34,388	0	0	0	0	0
Department of Transportation	294,389	124,953	9,200	140,977	2,548	10,929	5,782
Department of the Treasury	2,250	2,250	0	0	0	0	0
Department of Veterans Affairs	256,789	256,789	0	0	0	0	0
Other agencies							
Agency for Global Media	3,698	2,916	0	782	0	0	0
Agency for International Development	22,724	21,804	0	425	0	496	0
Appalachian Regional Commission	126	0	0	0	0	126	0
Environmental Protection Agency	68,842	62,597	0	5,105	0	1,139	0
Federal Trade Commission	834	834	0	0	0	0	0
National Aeronautics and Space Administration	2,009,260	1,408,549	0	537,536	25,981	37,194	0
National Science Foundation	117,308	10,191	0	9,356	28,385	69,291	85
Nuclear Regulatory Commission	3,020	1,734	0	1,286	0	0	0
Patient-Centered Outcomes Research Trust Fund	605,450	0	0	0	0	605,450	0
Postal Service	4,918	0	0	4,918	0	0	0
Smithsonian Institution	168,350	168,350	0	0	0	0	0
Social Security Administration	70,891	48,578	0	19,599	0	2,714	0
Florida	4,633,608	886,720	0	2,291,647	1,249,545	193,360	12,337
Departments							
Department of Agriculture	91,778	37,608	0	1,130	48,877	1,623	2,539
Department of Commerce	60,259	19,404	0	511	38,604	211	1,530
Department of Defense	2,965,051	747,259	0	2,063,404	124,248	30,040	100
Department of Education	22,084	0	0	557	14,355	4,892	2,280
Department of Energy	75,968	14	0	17,166	57,191	1,597	0
Department of Health and Human Services	867,452	1,600	0	47,264	662,017	153,607	2,965
Department of Homeland Security	5,848	1,865	0	3,004	980	0	0
Department of the Interior	28,711	20,890	0	791	7,000	0	30
Department of Justice	8,056	0	0	0	8,056	0	0

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Department of Transportation	32,913	25	0	3,382	26,614	0	2,893
Department of Veterans Affairs	44,203	44,203	0	0	0	0	0
Other agencies							
Agency for International Development	5,291	0	0	0	5,291	0	0
Environmental Protection Agency	11,222	11,085	0	20	117	0	0
National Aeronautics and Space Administration	184,315	2,769	0	128,578	52,612	357	0
National Science Foundation	229,040	0	0	25,841	202,164	1,035	0
Nuclear Regulatory Commission	1,419	0	0	0	1,419	0	0
Georgia	1,987,809	286,227	0	362,046	1,226,990	23,049	89,496
Departments							
Department of Agriculture	127,253	70,105	0	581	56,026	151	390
Department of Commerce	2,268	44	0	0	2,224	0	0
Department of Defense	646,380	156,011	0	292,126	185,652	12,591	0
Department of Education	11,685	0	0	0	8,865	2,820	0
Department of Energy	133,925	1	0	11,269	55,503	1,013	66,139
Department of Health and Human Services	807,181	6,932	0	36,115	745,412	6,475	12,248
Department of Homeland Security	1,174	0	0	575	599	0	0
Department of the Interior	2,340	1,237	0	0	1,103	0	0
Department of Transportation	23,615	9	0	11,056	1,831	0	10,720
Department of Veterans Affairs	41,908	41,908	0	0	0	0	0
Other agencies							
Agency for International Development	5,700	1,700	0	1,000	3,000	0	0
Environmental Protection Agency	8,742	8,151	0	141	450	0	0
National Aeronautics and Space Administration	21,687	131	0	2,941	18,615	0	0
National Science Foundation	152,374	0	0	5,164	147,210	0	0
Nuclear Regulatory Commission	1,577	0	0	1,077	500	0	0
Hawaii	487,029	150,007	2,164	123,988	186,455	23,014	1,401
Departments							
Department of Agriculture	26,768	17,458	0	2,244	6,094	904	68
Department of Commerce	10,092	2,949	0	0	6,896	247	0
Department of Defense	276,640	124,646	2,164	109,476	27,160	13,194	0
Department of Energy	15,604	0	0	1,205	14,400	0	0
Department of Health and Human Services	74,175	0	0	8,912	62,526	2,208	529
Department of the Interior	3,632	3,405	0	0	218	10	0
Department of Transportation	1,054	0	0	0	250	0	804
Department of Veterans Affairs	1,381	1,381	0	0	0	0	0

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Other agencies							
National Aeronautics and Space Administration	28,672	168	0	1,163	22,565	4,775	0
National Science Foundation	49,012	0	0	988	46,346	1,678	0
Idaho	918,233	93,492	646,696	96,804	77,989	1,050	2,202
Departments							
Department of Agriculture	36,535	22,763	0	650	12,462	115	545
Department of Commerce	2,875	0	0	0	2,875	0	0
Department of Defense	149,856	62,668	3,856	81,412	1,740	181	0
Department of Education	130	0	0	0	130	0	0
Department of Energy	647,599	160	632,339	12,426	2,675	0	0
Department of Health and Human Services	22,537	0	0	1,315	20,060	753	408
Department of Homeland Security	201	201	0	0	0	0	0
Department of the Interior	5,124	4,637	0	69	418	0	0
Department of Transportation	898	*	0	0	0	0	897
Department of Veterans Affairs	3,063	3,063	0	0	0	0	0
Other agencies							
Environmental Protection Agency	242	0	62	180	0	0	0
National Aeronautics and Space Administration	2,059	0	0	478	1,580	0	0
National Science Foundation	36,478	0	0	275	35,852	0	351
Nuclear Regulatory Commission	10,636	0	10,439	0	197	0	0
Illinois	4,014,120	421,284	1,301,084	340,940	1,738,124	200,760	11,928
Departments							
Department of Agriculture	65,659	41,640	0	650	22,574	660	135
Department of Commerce	2,853	290	0	16	2,527	20	0
Department of Defense	624,876	297,948	1,664	184,868	131,234	9,163	0
Department of Education	4,886	0	0	0	4,557	0	329
Department of Energy	1,456,159	442	1,281,670	33,710	121,305	18,962	70
Department of Health and Human Services	1,316,052	0	10,934	62,411	1,093,062	146,308	3,337
Department of Homeland Security	30,034	20,147	3,188	1,399	5,301	*	0
Department of the Interior	3,304	3,133	0	77	93	0	0
Department of Justice	3,009	0	0	0	1,225	1,784	0
Department of Transportation	22,895	5	180	2,202	10,304	2,148	8,056
Department of Veterans Affairs	57,148	57,148	0	0	0	0	0
Other agencies							
Agency for International Development	8,264	0	0	0	8,264	0	0
Appalachian Regional Commission	26	0	0	0	0	26	0

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Environmental Protection Agency	42,628	0	352	37,993	4,284	0	0
National Aeronautics and Space Administration	33,357	531	605	6,162	25,311	749	0
National Science Foundation	339,134	0	0	11,408	306,785	20,941	0
Nuclear Regulatory Commission	3,835	0	2,491	45	1,300	0	0
Indiana	2,814,407	1,064,372	0	995,159	673,376	72,355	9,143
Departments							
Department of Agriculture	31,128	7,643	0	507	22,388	0	590
Department of Commerce	3,576	0	0	0	3,576	0	0
Department of Defense	2,091,874	1,029,608	0	927,025	63,855	71,385	*
Department of Education	1,677	0	0	0	1,677	0	0
Department of Energy	67,551	0	0	15,954	51,597	0	0
Department of Health and Human Services	409,447	0	0	35,775	371,775	40	1,858
Department of Homeland Security	2,212	1,109	0	1,102	0	0	0
Department of the Interior	5,436	3,575	0	0	1,860	0	0
Department of Justice	347	0	0	0	347	0	0
Department of Transportation	5,814	2	0	0	116	0	5,695
Department of Veterans Affairs	22,431	22,431	0	0	0	0	0
Other agencies							
Agency for International Development	4,268	0	0	0	4,268	0	0
Appalachian Regional Commission	444	0	0	444	0	0	0
Environmental Protection Agency	154	0	0	0	154	0	0
National Aeronautics and Space Administration	17,627	3	0	7,241	9,628	755	0
National Science Foundation	148,737	0	0	7,111	140,451	175	1,000
Nuclear Regulatory Commission	1,683	0	0	0	1,683	0	0
Iowa	831,114	117,474	33,679	281,255	383,387	6,433	8,886
Departments							
Department of Agriculture	104,474	69,705	0	4,745	29,881	85	59
Department of Commerce	584	0	0	234	350	0	0
Department of Defense	289,388	10,958	199	263,359	14,680	193	0
Department of Education	2,268	0	0	0	0	2,268	0
Department of Energy	64,135	0	33,480	3,734	24,389	2,532	0
Department of Health and Human Services	236,638	0	0	6,508	227,029	1,355	1,746
Department of Homeland Security	905	0	0	0	905	0	0
Department of the Interior	764	491	0	273	0	0	0
Department of Justice	1,901	0	0	0	1,901	0	0
Department of Transportation	19,065	0	0	0	11,984	0	7,081

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Department of Veterans Affairs	36,315	36,315	0	0	0	0	0
Other agencies							
National Aeronautics and Space Administration	15,205	6	0	1,960	13,239	0	0
National Science Foundation	59,472	0	0	443	59,030	0	0
Kansas	516,066	164,130	0	44,122	287,253	6,645	13,916
Departments							
Department of Agriculture	180,002	157,864	0	87	21,450	366	235
Department of Commerce	5,232	0	0	0	5,232	0	0
Department of Defense	73,779	2,904	0	19,802	51,043	30	0
Department of Education	10,412	0	0	0	10,412	0	0
Department of Energy	15,610	0	0	6,605	9,005	0	0
Department of Health and Human Services	139,942	0	0	6,318	131,520	261	1,844
Department of Homeland Security	1	0	0	1	0	0	0
Department of the Interior	3,689	2,308	0	0	1,381	0	0
Department of Transportation	13,284	4	0	27	1,416	0	11,837
Department of Veterans Affairs	1,049	1,049	0	0	0	0	0
Other agencies							
Agency for International Development	8,264	0	0	0	8,264	0	0
Environmental Protection Agency	155	0	0	155	0	0	0
National Aeronautics and Space Administration	14,332	0	0	9,558	4,774	0	0
National Science Foundation	49,815	0	0	1,570	42,257	5,989	0
Nuclear Regulatory Commission	500	0	0	0	500	0	0
Kentucky	466,067	74,610	698	56,067	322,465	7,903	4,325
Departments							
Department of Agriculture	35,112	4,228	0	2,489	28,351	11	34
Department of Commerce	541	0	0	200	341	0	0
Department of Defense	38,134	2,188	698	20,154	14,994	100	0
Department of Education	7,819	0	0	0	382	7,437	0
Department of Energy	85,868	59,187	0	4,078	22,603	0	0
Department of Health and Human Services	230,594	0	0	14,011	215,072	355	1,156
Department of the Interior	1,990	685	0	0	1,305	0	0
Department of Transportation	4,638	117	0	676	710	0	3,135
Department of Veterans Affairs	8,204	8,204	0	0	0	0	0
Other agencies							
National Aeronautics and Space Administration	7,486	1	0	6,815	670	0	0
National Science Foundation	45,682	0	0	7,645	38,038	0	0

Table 61. Federal obligations for research and experimental development, by state or location, agency, and performer: FY 2024

(Dollars in thousands)

State or location and agency	Total	Intramural		Extramural			
				United States and U.S. territories			
		Federal agencies ^a	FFRDCs	Businesses	Higher education ^b	Nonprofit organizations	State and local governments
Louisiana	495,430	53,823	400	72,765	338,900	21,781	7,762
Departments							
Department of Agriculture	58,231	37,438	0	0	20,743	0	51
Department of Commerce	2,435	0	0	0	535	1,900	0
Department of Defense	105,166	1,365	400	57,655	27,005	18,741	0
Department of Education	294	0	0	0	294	0	0
Department of Energy	10,371	380	0	2,899	7,009	83	0
Department of Health and Human Services	212,692	5,342	0	2,091	202,639	969	1,652
Department of Homeland Security	6	2	0	4	0	0	0
Department of the Interior	643	633	0	0	0	0	10
Department of Transportation	6,363	7	0	0	2,011	0	4,346
Department of Veterans Affairs	8,619	8,619	0	0	0	0	0
Other agencies							
Environmental Protection Agency	5,426	0	0	5,426	0	0	0
National Aeronautics and Space Administration	6,246	36	0	759	4,715	0	735
National Science Foundation	78,436	0	0	3,930	73,449	89	968
Nuclear Regulatory Commission	500	0	0	0	500	0	0
Maine	297,702	9,206	0	77,957	88,038	120,908	1,592
Departments							
Department of Agriculture	29,857	7,863	0	430	20,227	475	862
Department of Commerce	5,869	1	0	0	5,252	616	0
Department of Defense	82,118	0	0	59,779	21,657	682	0
Department of Energy	16,219	0	0	6,209	10,010	0	0
Department of Health and Human Services	123,854	0	0	4,380	10,921	107,993	560
Department of Homeland Security	*	0	0	*	0	0	0
Department of the Interior	1,017	960	0	0	0	0	56
Department of Transportation	114	*	0	0	0	0	114
Department of Veterans Affairs	372	372	0	0	0	0	0
Other agencies							
Environmental Protection Agency	3,186	0	0	693	2,493	0	0
National Aeronautics and Space Administration	7,116	9	0	5,409	885	812	0
National Science Foundation	27,970	0	0	1,046	16,593	10,330	0
Nuclear Regulatory Commission	10	0	0	10	0	0	0
Maryland	21,456,402	13,714,652	585,923	3,314,139	3,234,400	584,319	22,971
Departments							
Department of Agriculture	223,584	197,646	0	837	24,750	315	35

Table 61. Federal obligations for research and experimental development, by state or location, agency, and performer: FY 2024

(Dollars in thousands)

State or location and agency	Total	Intramural		Extramural			
				United States and U.S. territories			
		Federal agencies ^a	FFRDCs	Businesses	Higher education ^b	Nonprofit organizations	State and local governments
Department of Commerce	1,329,807	1,234,174	23,291	42,705	26,271	1,123	2,244
Department of Defense	5,761,291	2,697,407	21,473	1,551,278	1,009,734	480,641	758
Department of Education	4,445	0	0	0	4,164	281	0
Department of Energy	154,535	43,764	0	55,009	52,728	34	3,000
Department of Health and Human Services	11,948,503	9,452,971	531,467	705,492	1,163,330	90,636	4,607
Department of Homeland Security	45,371	18,329	9,691	9,677	7,645	30	0
Department of the Interior	15,945	14,931	0	631	254	89	39
Department of Justice	7,428	1,349	0	4,215	1,863	0	0
Department of Transportation	43,125	5,240	0	15,028	12,069	3,000	7,788
Department of Veterans Affairs	35,984	35,984	0	0	0	0	0
Other agencies							
Agency for International Development	20,690	437	0	1,440	18,320	493	0
Consumer Product Safety Commission	47	47	0	0	0	0	0
Environmental Protection Agency	14,991	0	0	14,874	117	0	0
National Aeronautics and Space Administration	1,474,287	10,253	0	655,169	805,312	3,553	0
National Science Foundation	365,847	1,069	0	255,437	105,217	4,123	0
Nuclear Regulatory Commission	2,898	250	0	2,148	500	0	0
Social Security Administration	7,627	802	0	198	2,127	0	4,500
Massachusetts	9,529,390	652,673	1,011,783	3,560,160	2,067,549	2,228,767	8,457
Departments							
Department of Agriculture	40,712	18,435	0	706	21,332	240	0
Department of Commerce	36,677	7,931	0	849	24,597	2,301	1,000
Department of Defense	4,360,371	238,292	928,756	2,715,427	291,785	186,111	0
Department of Education	40,958	0	0	9,687	12,133	19,138	0
Department of Energy	223,556	2,315	0	119,338	101,413	490	0
Department of Health and Human Services	3,730,765	144	8,295	505,269	1,236,627	1,977,451	2,978
Department of Homeland Security	31,195	10,393	2,702	12,955	5,146	0	0
Department of the Interior	9,397	6,763	126	606	1,849	39	13
Department of Justice	3,959	0	0	0	3,959	0	0
Department of Transportation	160,268	68,650	71,727	11,046	4,380	0	4,466
Department of Veterans Affairs	195,936	195,936	0	0	0	0	0
Other agencies							
Agency for International Development	8,300	0	0	0	8,300	0	0
Environmental Protection Agency	14,528	0	0	9,744	560	4,224	0
National Aeronautics and Space Administration	197,128	103,813	177	32,501	54,844	5,792	0
National Science Foundation	469,414	0	0	142,031	297,173	30,210	0

Table 61. Federal obligations for research and experimental development, by state or location, agency, and performer: FY 2024

(Dollars in thousands)

State or location and agency	Total	Intramural		Extramural			
				United States and U.S. territories			
		Federal agencies ^a	FFRDCs	Businesses	Higher education ^b	Nonprofit organizations	State and local governments
Nuclear Regulatory Commission	600	0	0	0	600	0	0
Social Security Administration	5,624	0	0	0	2,852	2,772	0
Michigan	2,599,384	207,318	0	828,921	1,463,501	84,618	15,025
Departments							
Department of Agriculture	29,023	2,434	0	160	25,814	0	615
Department of Commerce	24,545	7,499	0	278	16,528	240	0
Department of Defense	943,426	145,619	0	676,806	85,542	35,460	0
Department of Education	9,832	0	0	0	9,487	345	0
Department of Energy	265,315	0	0	93,855	169,660	0	1,800
Department of Health and Human Services	991,832	238	0	35,477	904,595	46,874	4,648
Department of Homeland Security	2,784	0	0	2,338	446	0	0
Department of the Interior	5,175	5,092	0	0	83	0	0
Department of Justice	6,517	0	0	2,000	4,517	0	0
Department of Transportation	17,803	244	0	3,659	5,937	0	7,962
Department of Veterans Affairs	46,186	46,186	0	0	0	0	0
Other agencies							
Agency for International Development	8,736	0	0	0	8,736	0	0
Environmental Protection Agency	3,930	0	0	1,084	2,846	0	0
National Aeronautics and Space Administration	38,592	7	0	8,593	29,992	0	0
National Science Foundation	203,228	0	0	4,671	196,857	1,700	0
Social Security Administration	2,461	0	0	0	2,461	0	0
Minnesota	1,364,192	153,666	0	255,702	584,145	354,429	16,250
Departments							
Department of Agriculture	58,626	24,277	0	2,151	31,110	35	1,053
Department of Commerce	4,161	0	0	30	4,131	0	0
Department of Defense	329,592	86,985	0	159,734	45,600	37,274	0
Department of Education	3,252	0	0	0	2,210	1,041	0
Department of Energy	58,981	0	0	22,719	31,278	*	4,985
Department of Health and Human Services	761,765	0	0	61,233	382,147	314,592	3,794
Department of Homeland Security	3	0	0	3	0	0	0
Department of the Interior	8,552	2,733	0	0	5,792	0	26
Department of Transportation	7,854	1	0	375	1,246	0	6,232
Department of Veterans Affairs	28,089	28,089	0	0	0	0	0
Other agencies							
Agency for International Development	700	0	0	700	0	0	0
Environmental Protection Agency	12,525	11,574	0	41	910	0	0

Table 61. Federal obligations for research and experimental development, by state or location, agency, and performer: FY 2024

(Dollars in thousands)

State or location and agency	Total	Intramural		Extramural			
				United States and U.S. territories			
		Federal agencies ^a	FFRDCs	Businesses	Higher education ^b	Nonprofit organizations	State and local governments
National Aeronautics and Space Administration	9,637	6	0	2,728	6,903	0	0
National Science Foundation	80,436	0	0	5,971	72,818	1,487	159
Nuclear Regulatory Commission	19	0	0	19	0	0	0
Mississippi	479,209	221,069	0	63,836	190,119	934	3,251
Departments							
Department of Agriculture	130,761	81,206	0	119	48,730	0	705
Department of Commerce	18,125	11	0	0	18,114	0	0
Department of Defense	152,860	101,822	0	47,317	3,535	185	0
Department of Energy	10,224	270	0	5,204	4,750	0	0
Department of Health and Human Services	67,502	224	0	4,105	61,604	750	820
Department of the Interior	1,981	1,939	0	0	29	0	13
Department of Transportation	14,391	0	0	38	12,642	0	1,712
Department of Veterans Affairs	1,021	1,021	0	0	0	0	0
Other agencies							
Agency for International Development	4,492	0	0	0	4,492	0	0
National Aeronautics and Space Administration	41,281	33,319	0	6,503	1,459	0	1
National Science Foundation	36,570	1,257	0	550	34,764	0	0
Missouri	2,375,775	95,994	0	1,202,526	1,022,728	46,756	7,772
Departments							
Department of Agriculture	43,620	11,721	0	585	30,041	1,176	97
Department of Commerce	8,194	1,207	0	371	6,617	0	0
Department of Defense	1,061,605	38,791	0	989,055	26,934	6,825	0
Department of Education	10,876	0	0	0	10,876	0	0
Department of Energy	103,738	3	0	68,284	29,952	5,499	0
Department of Health and Human Services	891,148	0	0	29,194	837,438	21,764	2,752
Department of Homeland Security	4,894	4,894	0	*	0	0	0
Department of the Interior	13,294	10,734	0	0	2,548	12	0
Department of Transportation	13,145	4	0	6,125	2,093	0	4,924
Department of Veterans Affairs	28,637	28,637	0	0	0	0	0
Other agencies							
Agency for International Development	1,397	0	0	0	0	1,397	0
Environmental Protection Agency	156	0	0	0	156	0	0
National Aeronautics and Space Administration	120,068	4	0	107,138	12,926	0	0
National Science Foundation	74,306	0	0	1,775	62,449	10,082	0
Nuclear Regulatory Commission	699	0	0	0	699	0	0
Montana	264,521	58,053	0	20,569	176,752	5,119	4,028

Table 61. Federal obligations for research and experimental development, by state or location, agency, and performer: FY 2024

(Dollars in thousands)

State or location and agency	Total	Intramural		Extramural			
				United States and U.S. territories			
		Federal agencies ^a	FFRDCs	Businesses	Higher education ^b	Nonprofit organizations	State and local governments
Departments							
Department of Agriculture	34,294	14,245	0	86	19,129	34	800
Department of Commerce	187	0	0	0	187	0	0
Department of Defense	84,375	0	0	5,282	79,071	22	0
Department of Energy	8,628	0	0	4,199	4,428	1	0
Department of Health and Human Services	81,959	34,318	0	5,492	35,853	5,008	1,289
Department of Homeland Security	1,032	0	0	0	1,032	0	0
Department of the Interior	10,363	9,487	0	0	876	0	0
Department of Transportation	1,939	0	0	0	0	0	1,939
Other agencies							
National Aeronautics and Space Administration	8,042	3	0	5,235	2,748	55	0
National Science Foundation	33,702	0	0	274	33,427	0	0
Nebraska	331,684	44,765	0	10,277	242,186	30,199	4,256
Departments							
Department of Agriculture	72,061	33,197	0	203	21,393	17,000	269
Department of Commerce	168	0	0	0	168	0	0
Department of Defense	40,364	11,100	0	7,211	22,030	23	0
Department of Education	1,479	0	0	0	1,479	0	0
Department of Energy	8,206	0	0	1,025	7,181	0	0
Department of Health and Human Services	133,582	0	0	973	118,730	13,176	703
Department of Homeland Security	12,707	0	0	0	12,707	0	0
Department of the Interior	1,242	249	0	0	993	0	0
Department of Justice	1,500	0	0	0	1,500	0	0
Department of Transportation	5,750	0	0	0	2,466	0	3,284
Other agencies							
Agency for International Development	2,270	0	0	0	2,270	0	0
Environmental Protection Agency	3,726	0	0	25	3,700	0	0
National Aeronautics and Space Administration	1,369	220	0	291	858	0	0
National Science Foundation	47,260	0	0	549	46,711	0	0
Nevada	517,931	36,003	0	380,498	91,884	3,360	6,186
Departments							
Department of Agriculture	7,694	1,677	0	25	4,104	12	1,877
Department of Commerce	6,002	5	0	0	5,997	0	0
Department of Defense	240,444	6,858	0	225,983	7,603	0	0
Department of Education	224	0	0	0	224	0	0
Department of Energy	148,654	435	0	140,509	7,709	0	0

Table 61. Federal obligations for research and experimental development, by state or location, agency, and performer: FY 2024

(Dollars in thousands)

State or location and agency	Total	Intramural		Extramural			
				United States and U.S. territories			
		Federal agencies ^a	FFRDCs	Businesses	Higher education ^b	Nonprofit organizations	State and local governments
Department of Health and Human Services	32,711	0	0	3,123	27,603	1,348	638
Department of Homeland Security	785	0	0	785	0	0	0
Department of the Interior	8,473	4,044	0	1,319	2,166	0	944
Department of Justice	4,550	0	0	2,550	0	2,000	0
Department of Transportation	2,731	3	0	0	0	0	2,728
Department of the Treasury	15	0	0	15	0	0	0
Department of Veterans Affairs	2,129	2,129	0	0	0	0	0
Other agencies							
Environmental Protection Agency	117	0	0	0	117	0	0
National Aeronautics and Space Administration	29,084	20,853	0	6,168	2,063	0	0
National Science Foundation	33,819	0	0	20	33,799	0	0
Nuclear Regulatory Commission	500	0	0	0	500	0	0
New Hampshire	530,035	14,063	0	286,423	204,951	20,722	3,875
Departments							
Department of Agriculture	13,387	4,907	0	650	7,718	44	67
Department of Commerce	12,092	60	0	2	10,931	1,098	0
Department of Defense	266,883	5,773	0	245,347	15,556	206	0
Department of Energy	26,220	0	0	6,836	19,384	0	0
Department of Health and Human Services	140,430	0	0	14,104	105,600	19,373	1,353
Department of Homeland Security	202	2	0	200	0	0	0
Department of the Interior	1,811	1,113	0	332	353	0	12
Department of Transportation	3,353	0	0	657	252	0	2,443
Department of Veterans Affairs	1,917	1,917	0	0	0	0	0
Other agencies							
Environmental Protection Agency	1,830	0	0	39	1,792	0	0
National Aeronautics and Space Administration	30,770	290	0	15,697	14,783	0	0
National Science Foundation	31,141	0	0	2,559	28,582	0	0
New Jersey	1,942,200	327,722	119,101	865,834	555,821	64,720	9,004
Departments							
Department of Agriculture	7,016	383	0	479	5,885	0	270
Department of Commerce	31,087	19,796	0	3,121	7,200	971	0
Department of Defense	1,060,589	296,290	0	684,592	56,336	23,349	23
Department of Education	10,061	0	0	4,521	2,264	3,276	0
Department of Energy	194,660	1	119,101	42,855	30,661	41	2,000
Department of Health and Human Services	433,812	0	0	93,681	302,172	35,537	2,423
Department of Homeland Security	974	207	0	753	14	0	0

Table 61. Federal obligations for research and experimental development, by state or location, agency, and performer: FY 2024

(Dollars in thousands)

State or location and agency	Total	Intramural		Extramural			
				United States and U.S. territories			
		Federal agencies ^a	FFRDCs	Businesses	Higher education ^b	Nonprofit organizations	State and local governments
Department of the Interior	2,482	604	0	709	1,151	0	18
Department of Justice	604	0	0	0	604	0	0
Department of Transportation	25,050	42	0	19,321	1,417	0	4,270
Department of the Treasury	3,796	0	0	3,796	0	0	0
Department of Veterans Affairs	7,451	7,451	0	0	0	0	0
Other agencies							
Agency for Global Media	197	0	0	197	0	0	0
Environmental Protection Agency	3,178	2,934	0	10	234	0	0
National Aeronautics and Space Administration	30,954	15	0	8,397	22,537	6	0
National Science Foundation	130,289	0	0	3,402	125,348	1,540	0
New Mexico	3,675,344	656,901	2,129,829	592,299	271,382	18,211	6,722
Departments							
Department of Agriculture	21,238	9,938	0	413	9,588	944	355
Department of Commerce	2,530	101	0	2,429	0	0	0
Department of Defense	1,362,357	420,315	369,479	528,469	42,435	1,659	0
Department of Education	4,648	0	0	0	995	0	3,653
Department of Energy	2,027,908	219,758	1,734,512	15,857	57,759	22	0
Department of Health and Human Services	122,913	0	6,338	3,358	101,229	11,440	549
Department of Homeland Security	9,455	50	1,110	8,295	0	0	0
Department of the Interior	2,750	1,280	0	294	1,175	0	0
Department of Transportation	9,805	1	798	4,289	2,621	0	2,096
Department of the Treasury	2,000	0	2,000	0	0	0	0
Department of Veterans Affairs	3,974	3,974	0	0	0	0	0
Other agencies							
Environmental Protection Agency	154	0	154	0	0	0	0
National Aeronautics and Space Administration	44,182	1,483	7,617	26,690	8,372	0	20
National Science Foundation	51,955	0	0	1,550	46,208	4,147	50
Nuclear Regulatory Commission	9,475	0	7,820	656	1,000	0	0
New York	6,380,937	129,137	589,702	1,277,730	3,734,284	590,689	59,394
Departments							
Department of Agriculture	55,336	19,262	0	836	33,520	1,580	139
Department of Commerce	13,303	1	0	215	11,361	1,726	0
Department of Defense	958,520	48,286	4,200	588,018	207,781	110,231	4
Department of Education	35,351	0	0	356	17,866	17,129	0
Department of Energy	1,185,961	0	572,837	471,284	91,995	48,388	1,457
Department of Health and Human Services	3,482,463	0	4,593	132,405	2,913,696	380,612	51,158

Table 61. Federal obligations for research and experimental development, by state or location, agency, and performer: FY 2024

(Dollars in thousands)

State or location and agency	Total	Intramural		Extramural			
				United States and U.S. territories			
		Federal agencies ^a	FFRDCs	Businesses	Higher education ^b	Nonprofit organizations	State and local governments
Department of Homeland Security	7,023	1	0	6,472	0	550	0
Department of the Interior	6,706	4,876	0	0	1,788	0	43
Department of Justice	4,284	0	0	0	3,178	1,106	0
Department of Transportation	8,843	380	0	4,629	3,835	0	0
Department of Veterans Affairs	55,923	55,923	0	0	0	0	0
Other agencies							
Agency for Global Media	746	0	0	746	0	0	0
Agency for International Development	15,142	0	0	0	7,942	7,200	0
Environmental Protection Agency	3,006	0	0	108	2,898	0	0
National Aeronautics and Space Administration	115,006	47	7,518	55,650	50,396	1,395	0
National Science Foundation	429,339	361	0	17,008	384,604	20,773	6,594
Nuclear Regulatory Commission	1,660	0	555	5	1,100	0	0
Social Security Administration	2,324	0	0	0	2,324	0	0
North Carolina	3,283,949	407,225	0	508,308	1,841,142	496,718	30,557
Departments							
Department of Agriculture	94,695	17,923	0	737	72,333	3,251	451
Department of Commerce	8,395	911	0	531	6,454	499	0
Department of Defense	350,435	29,252	0	181,850	111,051	28,282	0
Department of Education	18,001	0	0	0	8,183	5,810	4,009
Department of Energy	98,561	23	0	26,958	61,826	9,755	0
Department of Health and Human Services	2,241,008	199,982	0	253,007	1,371,753	412,325	3,940
Department of Homeland Security	12,122	1	0	5,882	4,952	1,288	0
Department of the Interior	6,646	5,113	0	0	71	1,440	22
Department of Justice	30,569	0	0	0	655	29,913	0
Department of Transportation	13,603	3	0	1,597	4,869	0	7,134
Department of the Treasury	106	0	0	106	0	0	0
Department of Veterans Affairs	38,762	38,762	0	0	0	0	0
Other agencies							
Agency for International Development	9,332	0	0	5,200	1,683	2,449	0
Appalachian Regional Commission	325	0	0	0	325	0	0
Environmental Protection Agency	133,877	115,250	0	16,017	2,610	0	0
National Aeronautics and Space Administration	13,455	4	0	4,592	8,079	779	0
National Science Foundation	212,058	0	0	11,832	184,299	927	15,000
Nuclear Regulatory Commission	2,000	0	0	0	2,000	0	0
North Dakota	210,104	51,265	0	29,204	119,233	4,646	5,755
Departments							

Table 61. Federal obligations for research and experimental development, by state or location, agency, and performer: FY 2024

(Dollars in thousands)

State or location and agency	Total	Intramural		Extramural			
				United States and U.S. territories			
		Federal agencies ^a	FFRDCs	Businesses	Higher education ^b	Nonprofit organizations	State and local governments
Department of Agriculture	74,465	47,751	0	103	24,707	884	1,020
Department of Defense	39,313	984	0	28,840	5,950	40	3,500
Department of Energy	23,611	20	0	262	23,329	0	0
Department of Health and Human Services	31,786	0	0	0	27,788	3,723	275
Department of the Interior	1,516	1,321	0	0	195	0	0
Department of Transportation	5,819	820	0	0	4,039	0	960
Department of Veterans Affairs	369	369	0	0	0	0	0
Other agencies							
National Aeronautics and Space Administration	699	0	0	0	699	0	0
National Science Foundation	32,526	0	0	0	32,526	0	0
Ohio	10,320,672	5,339,098	11,284	3,121,840	1,166,115	666,746	15,589
Departments							
Department of Agriculture	53,049	13,111	0	1,720	38,108	0	110
Department of Commerce	9,157	0	0	0	8,194	963	0
Department of Defense	8,700,886	5,191,402	6,404	2,893,115	219,532	390,432	1
Department of Education	5,739	0	0	0	3,018	2,722	0
Department of Energy	103,316	250	3,641	23,778	61,419	13,327	900
Department of Health and Human Services	1,041,634	16,566	0	41,928	724,096	254,000	5,044
Department of Homeland Security	10,604	7,691	1,238	1,675	0	0	0
Department of the Interior	4,738	4,227	0	0	480	0	30
Department of Justice	1,957	0	0	0	1,957	0	0
Department of Transportation	20,732	1,046	0	5,857	3,751	1,094	8,984
Department of Veterans Affairs	49,376	49,376	0	0	0	0	0
Other agencies							
Agency for Global Media	19	0	0	19	0	0	0
Environmental Protection Agency	66,734	52,327	0	13,212	0	1,195	0
National Aeronautics and Space Administration	149,266	2,703	0	134,999	11,116	447	0
National Science Foundation	101,010	399	0	4,681	92,844	2,566	520
Nuclear Regulatory Commission	2,455	0	0	855	1,600	0	0
Oklahoma	613,431	209,916	0	103,582	231,381	59,484	9,068
Departments							
Department of Agriculture	37,220	13,731	0	0	19,137	4,152	200
Department of Commerce	65,867	31,551	0	0	34,317	0	0
Department of Defense	210,647	111,624	0	87,747	9,936	1,340	0
Department of Education	2,633	0	0	0	2,633	0	0
Department of Energy	25,054	0	0	4,086	16,159	4,808	0

Table 61. Federal obligations for research and experimental development, by state or location, agency, and performer: FY 2024

(Dollars in thousands)

State or location and agency	Total	Intramural		Extramural			
				United States and U.S. territories			
		Federal agencies ^a	FFRDCs	Businesses	Higher education ^b	Nonprofit organizations	State and local governments
Department of Health and Human Services	156,764	0	0	2,045	101,020	48,167	5,533
Department of the Interior	34,063	33,062	0	0	993	0	8
Department of Justice	205	0	0	0	205	0	0
Department of Transportation	12,949	604	0	7,123	2,909	0	2,313
Department of Veterans Affairs	12,112	12,112	0	0	0	0	0
Other agencies							
Environmental Protection Agency	7,976	6,684	0	75	1,218	0	0
National Aeronautics and Space Administration	6,372	550	0	1,033	4,538	250	0
National Science Foundation	41,569	0	0	1,472	38,317	765	1,015
Oregon	782,421	126,617	0	109,710	508,392	30,337	7,365
Departments							
Department of Agriculture	85,959	56,764	0	0	28,470	23	701
Department of Commerce	9,221	19	0	631	8,571	0	0
Department of Defense	73,350	1,860	0	45,573	24,736	1,181	0
Department of Education	19,036	0	0	0	14,143	4,627	266
Department of Energy	30,296	1,139	0	8,437	13,220	6,000	1,500
Department of Health and Human Services	394,497	172	0	44,564	332,865	15,466	1,431
Department of Homeland Security	508	0	0	8	500	0	0
Department of the Interior	8,446	8,350	0	0	0	0	95
Department of Transportation	4,025	2	0	523	128	0	3,372
Department of Veterans Affairs	46,245	46,245	0	0	0	0	0
Other agencies							
Environmental Protection Agency	16,064	12,063	0	339	3,662	0	0
National Aeronautics and Space Administration	14,342	3	0	6,205	8,134	0	0
National Science Foundation	79,124	0	0	2,120	73,963	3,040	0
Nuclear Regulatory Commission	1,310	0	0	1,310	0	0	0
Pennsylvania	5,152,250	469,250	47,815	1,595,324	2,560,532	460,982	18,346
Departments							
Department of Agriculture	76,745	47,811	0	461	26,623	1,551	298
Department of Commerce	11,619	0	0	432	11,095	92	0
Department of Defense	1,581,039	317,830	47,565	760,997	365,794	88,854	1
Department of Education	11,396	0	0	308	9,108	1,980	0
Department of Energy	729,944	27,275	0	618,982	79,571	119	3,998
Department of Health and Human Services	2,260,635	15,691	0	127,908	1,752,424	361,753	2,860
Department of Homeland Security	7,390	53	250	6,636	452	0	0
Department of the Interior	6,287	4,260	0	0	1,981	25	21

Table 61. Federal obligations for research and experimental development, by state or location, agency, and performer: FY 2024

(Dollars in thousands)

State or location and agency	Total	Intramural		Extramural			
				United States and U.S. territories			
		Federal agencies ^a	FFRDCs	Businesses	Higher education ^b	Nonprofit organizations	State and local governments
Department of Justice	6,282	0	0	0	1,946	4,336	0
Department of Transportation	37,274	422	0	19,893	5,790	0	11,169
Department of Veterans Affairs	55,310	55,310	0	0	0	0	0
Other agencies							
Agency for International Development	8,264	0	0	0	8,264	0	0
Environmental Protection Agency	5,977	0	0	3,686	2,291	0	0
National Aeronautics and Space Administration	74,568	600	0	47,906	26,062	0	0
National Science Foundation	278,225	0	0	8,091	267,860	2,274	0
Nuclear Regulatory Commission	1,295	0	0	25	1,270	0	0
Rhode Island	929,847	340,081	0	229,679	273,710	84,852	1,525
Departments							
Department of Agriculture	2,773	0	0	0	2,654	59	60
Department of Commerce	25,158	0	0	644	24,254	260	0
Department of Defense	565,645	309,474	0	222,346	31,273	2,553	0
Department of Energy	5,869	0	0	1,197	4,401	271	*
Department of Health and Human Services	239,973	0	0	4,707	153,956	79,846	1,465
Department of Homeland Security	195	195	0	0	0	0	0
Department of the Interior	340	0	0	122	218	0	0
Department of Transportation	*	*	0	0	0	0	0
Department of Veterans Affairs	20,305	20,305	0	0	0	0	0
Other agencies							
Environmental Protection Agency	10,107	10,107	0	0	0	0	0
National Aeronautics and Space Administration	7,702	0	0	664	6,917	121	0
National Science Foundation	51,780	0	0	0	50,037	1,743	0
South Carolina	2,558,608	200,141	66,482	1,605,838	377,670	298,966	9,512
Departments							
Department of Agriculture	39,360	20,075	0	840	17,406	0	1,039
Department of Commerce	10,776	8,348	0	0	2,099	263	67
Department of Defense	1,434,473	133,868	8,054	965,569	35,917	291,065	0
Department of Energy	78,168	4	56,740	1,994	19,430	0	0
Department of Health and Human Services	867,261	79	0	626,841	229,829	5,324	5,189
Department of Homeland Security	4,290	2,602	1,688	0	0	0	0
Department of the Interior	670	419	0	0	236	0	16
Department of Justice	1,806	0	0	0	1,806	0	0
Department of Transportation	7,457	4	0	164	4,088	0	3,202
Department of Veterans Affairs	34,098	34,098	0	0	0	0	0

Table 61. Federal obligations for research and experimental development, by state or location, agency, and performer: FY 2024

(Dollars in thousands)

State or location and agency	Total	Intramural		Extramural			
				United States and U.S. territories			
		Federal agencies ^a	FFRDCs	Businesses	Higher education ^b	Nonprofit organizations	State and local governments
Other agencies							
Environmental Protection Agency	79	0	0	79	0	0	0
National Aeronautics and Space Administration	13,523	0	0	8,344	5,179	0	0
National Science Foundation	65,896	644	0	2,007	60,930	2,315	0
Nuclear Regulatory Commission	749	0	0	0	749	0	0
South Dakota	129,804	11,180	0	25,954	47,772	15,229	29,670
Departments							
Department of Agriculture	13,300	3,130	0	774	9,351	0	45
Department of Commerce	*	0	0	*	0	0	0
Department of Defense	19,586	245	0	19,285	0	54	2
Department of Energy	33,555	0	0	1,703	3,922	0	27,931
Department of Health and Human Services	29,552	0	0	3,382	10,797	15,175	198
Department of Justice	304	0	0	0	304	0	0
Department of Transportation	1,494	0	0	0	0	0	1,494
Department of Veterans Affairs	793	793	0	0	0	0	0
Other agencies							
National Aeronautics and Space Administration	8,332	7,012	0	810	510	0	0
National Science Foundation	22,888	0	0	0	22,888	0	0
Tennessee	3,894,129	843,125	1,270,415	642,433	1,005,856	118,113	14,186
Departments							
Department of Agriculture	47,801	13,503	0	775	32,983	0	540
Department of Commerce	2,519	0	0	0	2,519	0	0
Department of Defense	904,251	730,986	23,501	78,793	67,400	3,486	85
Department of Education	8,912	0	0	0	8,912	0	0
Department of Energy	1,492,471	22,699	1,234,542	166,759	60,890	1	7,580
Department of Health and Human Services	855,042	377	0	10,725	730,555	111,045	2,340
Department of Homeland Security	9,717	2,145	6,122	1	1,450	0	0
Department of the Interior	4,038	3,585	0	0	435	0	18
Department of Transportation	8,610	1	1,650	862	2,473	0	3,625
Department of the Treasury	1,000	0	1,000	0	0	0	0
Department of Veterans Affairs	32,905	32,905	0	0	0	0	0
Other agencies							
Environmental Protection Agency	40,360	0	0	40,244	117	0	0
National Aeronautics and Space Administration	267,483	9,669	0	233,812	24,002	0	0
National Science Foundation	107,596	27,255	0	2,638	74,121	3,582	0
Nuclear Regulatory Commission	3,783	0	3,600	183	0	0	0

Table 61. Federal obligations for research and experimental development, by state or location, agency, and performer: FY 2024

(Dollars in thousands)

State or location and agency	Total	Intramural		Extramural			
				United States and U.S. territories			
		Federal agencies ^a	FFRDCs	Businesses	Higher education ^b	Nonprofit organizations	State and local governments
Tennessee Valley Authority	107,640	0	0	107,640	0	0	0
Texas	7,673,566	205,659	24,433	4,350,580	2,828,039	216,904	47,952
Departments							
Department of Agriculture	154,701	52,940	0	860	93,945	4,669	2,287
Department of Commerce	30,744	603	0	2,374	27,767	0	0
Department of Defense	4,427,287	89,544	24,433	3,826,989	456,295	30,026	0
Department of Education	34,333	0	0	0	26,063	0	8,270
Department of Energy	194,066	7	0	75,227	113,825	3,007	2,000
Department of Health and Human Services	1,859,804	0	0	89,452	1,667,243	97,846	5,264
Department of Homeland Security	23,543	1,425	0	14,111	8,007	0	0
Department of the Interior	8,599	4,233	0	17	4,215	119	15
Department of Justice	1,977	0	0	0	1,977	0	0
Department of Transportation	47,278	1,223	0	6,240	15,777	979	23,059
Department of Veterans Affairs	53,587	53,587	0	0	0	0	0
Other agencies							
Environmental Protection Agency	10,342	0	0	5,202	5,140	0	0
National Aeronautics and Space Administration	450,916	2,096	0	315,050	55,052	78,491	227
National Science Foundation	367,249	0	0	13,222	351,985	1,767	275
Nuclear Regulatory Commission	2,584	0	0	1,836	747	0	0
RESTORE Act Centers of Excellence Research Grants Program	6,556	0	0	0	0	0	6,556
Utah	5,202,729	316,034	0	4,290,688	577,117	12,753	6,137
Departments							
Department of Agriculture	40,927	22,805	0	1,263	16,858	0	0
Department of Commerce	1,592	0	0	574	1,018	0	0
Department of Defense	4,523,085	225,934	0	4,122,818	169,911	4,423	0
Department of Education	8,141	0	0	0	572	5,289	2,280
Department of Energy	46,450	0	0	31,470	14,075	0	905
Department of Health and Human Services	309,017	0	0	14,441	290,463	3,040	1,073
Department of Homeland Security	1,618	700	0	640	278	0	0
Department of the Interior	6,750	4,662	0	910	1,093	0	85
Department of Justice	664	0	0	0	664	0	0
Department of Transportation	1,920	100	0	27	0	0	1,793
Department of Veterans Affairs	61,773	61,773	0	0	0	0	0
Other agencies							
Appalachian Regional Commission	250	0	0	250	0	0	0
Environmental Protection Agency	2,491	0	0	0	2,491	0	0

Table 61. Federal obligations for research and experimental development, by state or location, agency, and performer: FY 2024

(Dollars in thousands)

State or location and agency	Total	Intramural		Extramural			
				United States and U.S. territories			
		Federal agencies ^a	FFRDCs	Businesses	Higher education ^b	Nonprofit organizations	State and local governments
National Aeronautics and Space Administration	124,954	60	0	115,998	8,896	0	0
National Science Foundation	72,497	0	0	2,298	70,198	0	0
Nuclear Regulatory Commission	600	0	0	0	600	0	0
Vermont	189,892	15,740	0	59,999	110,384	1,514	2,255
Departments							
Department of Agriculture	37,157	5,897	0	647	30,113	500	0
Department of Commerce	2,566	0	0	643	1,922	0	0
Department of Defense	57,228	0	0	48,389	8,691	148	0
Department of Energy	1,950	0	0	1,610	340	0	0
Department of Health and Human Services	55,375	0	0	4,526	49,240	566	1,043
Department of Homeland Security	2,625	1,910	0	715	0	0	0
Department of the Interior	1,886	591	0	0	1,285	0	10
Department of Transportation	1,728	7	0	0	519	0	1,202
Department of Veterans Affairs	7,335	7,335	0	0	0	0	0
Other agencies							
National Aeronautics and Space Administration	2,959	0	0	2,720	239	0	0
National Science Foundation	19,085	0	0	750	18,035	300	0
Virginia	15,116,135	2,148,764	1,488,405	10,371,502	793,048	299,880	14,535
Departments							
Department of Agriculture	42,490	978	0	1,925	28,373	10,844	370
Department of Commerce	31,988	912	0	14,994	12,983	2,135	963
Department of Defense	12,130,293	1,847,354	1,074,541	9,025,580	97,463	84,138	1,218
Department of Education	43,650	0	0	680	11,201	31,769	0
Department of Energy	332,794	8,381	179,099	99,753	42,092	1,969	1,500
Department of Health and Human Services	649,340	23,866	8,046	153,527	410,469	50,828	2,605
Department of Homeland Security	194,129	47,235	33,798	52,739	4,600	55,756	0
Department of the Interior	72,150	71,961	0	93	0	35	61
Department of Justice	18,820	990	0	681	2,504	14,645	0
Department of Transportation	129,156	11,883	101	75,270	14,354	20,729	6,819
Department of the Treasury	10,504	0	0	10,504	0	0	0
Department of Veterans Affairs	100,858	21,452	79,406	0	0	0	0
Other agencies							
Agency for Global Media	1,017	0	0	1,017	0	0	0
Agency for International Development	7,143	0	0	2,528	4,415	200	0
Environmental Protection Agency	22,036	4,890	0	14,235	2,760	150	0
National Aeronautics and Space Administration	1,017,783	93,272	163	900,932	20,102	3,314	0

Table 61. Federal obligations for research and experimental development, by state or location, agency, and performer: FY 2024

(Dollars in thousands)

State or location and agency	Total	Intramural		Extramural			
				United States and U.S. territories			
		Federal agencies ^a	FFRDCs	Businesses	Higher education ^b	Nonprofit organizations	State and local governments
National Science Foundation	305,498	15,536	113,250	13,138	139,207	23,367	1,000
Nuclear Regulatory Commission	3,857	0	0	1,332	2,525	0	0
Social Security Administration	2,629	54	0	2,575	0	0	0
Washington	3,262,659	266,680	717,123	584,291	993,072	674,085	27,408
Departments							
Department of Agriculture	91,050	40,700	0	1,844	43,537	2,840	2,129
Department of Commerce	47,060	27,987	0	0	18,817	55	201
Department of Defense	724,678	125,647	24,305	448,079	88,264	38,383	*
Department of Education	8,306	0	0	0	7,027	1,279	0
Department of Energy	726,769	15	672,739	10,274	43,741	0	0
Department of Health and Human Services	1,343,023	4,089	7,793	47,267	646,714	621,143	16,017
Department of Homeland Security	6,082	0	4,775	1,307	0	0	0
Department of the Interior	14,406	9,058	0	273	5,002	0	74
Department of Transportation	11,810	111	0	71	2,640	0	8,987
Department of Veterans Affairs	58,727	58,727	0	0	0	0	0
Other agencies							
Agency for International Development	9,163	0	0	0	1,500	7,663	0
Environmental Protection Agency	1,623	0	205	0	1,418	0	0
National Aeronautics and Space Administration	81,696	346	0	68,266	12,448	636	0
National Science Foundation	130,948	0	0	6,898	121,964	2,086	0
Nuclear Regulatory Commission	7,319	0	7,306	12	0	0	0
West Virginia	298,466	53,617	0	125,300	94,200	17,581	7,768
Departments							
Department of Agriculture	40,739	26,865	0	230	13,467	125	52
Department of Commerce	426	0	0	284	143	0	0
Department of Defense	116,306	3,778	0	107,678	3,049	1,801	0
Department of Energy	31,136	1	0	11,183	19,614	338	0
Department of Health and Human Services	75,359	19,242	0	2,676	51,348	0	2,093
Department of the Interior	3,117	2,383	0	0	706	0	27
Department of Justice	579	0	0	0	579	0	0
Department of Transportation	1,471	0	0	0	0	0	1,471
Department of Veterans Affairs	1,348	1,348	0	0	0	0	0
Other agencies							
Appalachian Regional Commission	18	0	0	18	0	0	0
National Aeronautics and Space Administration	3,564	0	0	2,263	1,300	0	0
National Science Foundation	24,258	0	0	823	3,993	15,317	4,125

Table 61. Federal obligations for research and experimental development, by state or location, agency, and performer: FY 2024

(Dollars in thousands)

State or location and agency	Total	Intramural		Extramural			
				United States and U.S. territories			
		Federal agencies ^a	FFRDCs	Businesses	Higher education ^b	Nonprofit organizations	State and local governments
Nuclear Regulatory Commission	144	0	0	144	0	0	0
Wisconsin	1,140,823	128,839	22,657	81,733	836,522	53,074	17,998
Departments							
Department of Agriculture	85,991	47,127	0	1,007	35,957	1,712	187
Department of Commerce	8,372	0	0	928	7,444	0	0
Department of Defense	178,020	52,392	22,657	27,756	65,139	10,076	0
Department of Education	3,483	0	0	0	3,008	475	0
Department of Energy	123,100	0	0	25,475	92,625	0	5,000
Department of Health and Human Services	586,200	0	0	23,840	513,358	37,952	11,049
Department of Homeland Security	4	0	0	4	0	0	0
Department of the Interior	6,723	6,669	0	0	19	0	34
Department of Justice	120	0	0	0	120	0	0
Department of Transportation	2,462	4	0	428	304	0	1,727
Department of Veterans Affairs	22,645	22,645	0	0	0	0	0
Other agencies							
Environmental Protection Agency	3,332	0	0	0	3,332	0	0
National Aeronautics and Space Administration	19,155	3	0	799	18,353	0	0
National Science Foundation	95,633	0	0	1,496	91,278	2,860	0
Nuclear Regulatory Commission	500	0	0	0	500	0	0
Social Security Administration	5,084	0	0	0	5,084	0	0
Wyoming	111,223	12,676	0	5,929	88,524	227	3,867
Departments							
Department of Agriculture	4,299	0	0	650	3,197	175	277
Department of Commerce	536	0	0	0	536	0	0
Department of Defense	1,062	36	0	973	0	52	0
Department of Energy	60,251	0	0	2,007	58,243	0	0
Department of Health and Human Services	10,335	0	0	835	8,914	0	586
Department of Homeland Security	190	0	0	190	0	0	0
Department of the Interior	12,895	12,639	0	0	230	0	26
Department of Transportation	3,731	0	0	753	0	0	2,978
Other agencies							
National Aeronautics and Space Administration	1,668	0	0	500	1,168	0	0
National Science Foundation	16,255	0	0	20	16,235	0	0
Outlying areas	565,881	359,647	0	97,916	96,317	1,034	10,967
Departments							
Department of Agriculture	24,668	5,247	0	1,082	17,739	517	83

Table 61. Federal obligations for research and experimental development, by state or location, agency, and performer: FY 2024

(Dollars in thousands)

State or location and agency	Total	Intramural		Extramural			
				United States and U.S. territories			
		Federal agencies ^a	FFRDCs	Businesses	Higher education ^b	Nonprofit organizations	State and local governments
Department of Commerce	4,190	93	0	80	3,933	84	0
Department of Defense	448,376	353,337	0	91,400	3,634	5	0
Department of Health and Human Services	52,109	0	0	276	46,758	375	4,700
Department of Homeland Security	504	0	0	5	500	0	0
Department of the Interior	5,953	480	0	0	439	0	5,034
Department of Transportation	1,287	0	0	137	0	0	1,150
Department of Veterans Affairs	491	491	0	0	0	0	0
Other agencies							
Agency for Global Media	3,535	0	0	3,535	0	0	0
National Aeronautics and Space Administration	848	0	0	261	533	54	0
National Science Foundation	23,420	0	0	1,140	22,280	0	0
Nuclear Regulatory Commission	500	0	0	0	500	0	0
American Samoa	2,392	0	0	0	2,392	0	0
Departments							
Department of Agriculture	2,024	0	0	0	2,024	0	0
Other agencies							
National Science Foundation	368	0	0	0	368	0	0
Guam	9,367	0	0	247	9,037	0	83
Departments							
Department of Agriculture	2,973	0	0	0	2,890	0	83
Department of Health and Human Services	2,220	0	0	0	2,220	0	0
Other agencies							
National Science Foundation	4,174	0	0	247	3,927	0	0
Northern Mariana Islands	2,085	0	0	69	2,016	0	0
Departments							
Department of Agriculture	2,049	0	0	32	2,016	0	0
Department of Defense	36	0	0	36	0	0	0
Puerto Rico	90,285	6,310	0	2,566	74,491	1,034	5,884
Departments							
Department of Agriculture	13,176	5,247	0	1,050	6,362	517	0
Department of Commerce	2,835	93	0	80	2,579	84	0
Department of Defense	3,339	0	0	1	3,334	5	0
Department of Health and Human Services	49,443	0	0	276	44,092	375	4,700
Department of Homeland Security	504	0	0	5	500	0	0
Department of the Interior	758	480	0	0	244	0	34
Department of Transportation	1,150	0	0	0	0	0	1,150

Table 61. Federal obligations for research and experimental development, by state or location, agency, and performer: FY 2024

(Dollars in thousands)

State or location and agency	Total	Intramural		Extramural			
				United States and U.S. territories			
		Federal agencies ^a	FFRDCs	Businesses	Higher education ^b	Nonprofit organizations	State and local governments
Department of Veterans Affairs	491	491	0	0	0	0	0
Other agencies							
National Aeronautics and Space Administration	848	0	0	261	533	54	0
National Science Foundation	17,241	0	0	893	16,348	0	0
Nuclear Regulatory Commission	500	0	0	0	500	0	0
U.S. Virgin Islands	4,572	0	0	1	4,571	0	0
Departments							
Department of Agriculture	2,337	0	0	0	2,337	0	0
Department of Defense	151	0	0	1	150	0	0
Department of Health and Human Services	446	0	0	0	446	0	0
Other agencies							
National Science Foundation	1,637	0	0	0	1,637	0	0
Other areas ^c	457,180	353,337	0	95,034	3,809	0	5,000
Departments							
Department of Agriculture	2,109	0	0	0	2,109	0	0
Department of Commerce	1,355	0	0	0	1,355	0	0
Department of Defense	444,849	353,337	0	91,362	150	0	0
Department of the Interior	5,195	0	0	0	195	0	5,000
Department of Transportation	137	0	0	137	0	0	0
Other agencies							
Agency for Global Media	3,535	0	0	3,535	0	0	0
Offices abroad ^d	108,867	35,369	4,247	51,401	4,037	13,813	0
Departments							
Department of Defense	98,050	33,405	4,247	50,721	15	9,663	0
Department of Energy	351	0	0	1	350	0	0
Department of Health and Human Services	1,964	1,964	0	0	0	0	0
Department of Homeland Security	596	0	0	596	0	0	0
Other agencies							
Agency for International Development	7,822	0	0	0	3,672	4,150	0
Environmental Protection Agency	82	0	0	82	0	0	0
Undistributed ^e	5,492,406	5,313,154	2,281	159,023	17,947	0	0
Departments							
Department of Defense	5,492,406	5,313,154	2,281	159,023	17,947	0	0

* = amount greater than \$0 but less than \$500.

FFRDC = federally funded research and development center.

- ^a Federal agencies' activities cover costs associated with the administration of federal R&D performance and R&D procurements from nonfederal performers by federal personnel, transfers of funds to other federal agencies for purposes related to R&D, as well as actual federal performance.
- ^b Higher education includes both public and private institutions as well as University Affiliated Research Centers.
- ^c Other areas includes Baker Island, Howland Island, Jarvis Island, Johnston Atoll, Kingman Reef, Midway Islands, Navassa Island, Palmyra Atoll, and Wake Island.
- ^d Offices abroad includes R&D performed or administered in foreign countries by the U.S. government.
- ^e Undistributed includes Department of Defense (DOD) obligations for which the location of performance is not reported.

Note(s):
Because of rounding, detail may not add to total. Geographic distribution of DOD development funding to businesses reflects location of prime contractors and not the numerous subcontractors who perform much of the R&D. Only those agencies and subdivisions that had obligations in variables represented by this table appear in the table. For additional notes associated with the agencies listed in this table, see technical table A-2 at <https://ncses.nsf.gov/surveys/federal-funds-research-development/2024-2025#technical-tables>.

Source(s):
National Center for Science and Engineering Statistics, Survey of Federal Funds for Research and Development, FYs 2024–25.