

TABLE 61

Federal obligations for research and experimental development, by state or location, agency, and performer: FY 2021

(Dollars in thousands)

State or location and agency	Total	Intramural		Extramural			
		Federal agencies ^a	FFRDCs	United States and U.S. territories			
				Businesses	Higher education ^b	Nonprofit organizations	State and local governments
Alabama	3,966,904	1,969,225	0	1,444,178	499,203	40,455	13,844
Departments							
Department of Agriculture	43,274	8,339	0	455	33,895	0	585
Department of Commerce	4,856	1,255	0	*	3,563	0	0
Department of Defense	3,176,525	1,939,297	0	1,197,377	25,948	13,668	235
Department of Education	691	0	0	0	691	0	0
Department of Energy	19,572	0	0	7,831	11,741	0	0
Department of Health and Human Services	394,510	154	0	6,758	355,859	23,413	8,326
Department of Homeland Security	3,552	0	0	3,552	0	0	0
Department of the Interior	3,404	2,156	0	0	952	0	297
Department of Justice	1,330	0	0	0	1,330	0	0
Department of Labor	*	*	0	*	0	0	0
Department of Transportation	8,617	110	0	0	4,107	0	4,400
Department of the Treasury	*	*	0	0	0	0	0
Department of Veterans Affairs	13,224	13,224	0	0	0	0	0
Other agencies							
Consumer Product Safety Commission	*	*	0	0	0	0	0
Environmental Protection Agency	1,485	0	0	1,374	82	*	0
National Aeronautics and Space Administration	248,161	4,688	0	225,992	15,227	2,255	0
National Science Foundation	46,386	0	0	512	44,784	1,090	0
Nuclear Regulatory Commission	1,000	0	0	0	1,000	0	0
Postal Service	274	0	0	274	0	0	0
Social Security Administration	*	0	0	0	*	0	0
Alaska	322,626	108,294	0	76,522	115,689	13,675	8,446
Departments							
Department of Agriculture	13,789	8,530	0	0	3,171	*	2,048
Department of Commerce	3,917	1,309	0	76	2,109	267	155
Department of Defense	120,996	45,120	0	64,026	9,159	2,691	0
Department of Education	3,800	0	0	0	3,800	0	0
Department of Energy	12,431	0	0	*	12,171	0	240
Department of Health and Human Services	26,400	253	0	2,712	12,978	8,028	2,429
Department of Homeland Security	4,301	0	0	4,301	0	0	0
Department of the Interior	59,818	53,077	0	1,267	2,797	363	2,314
Department of Labor	*	*	0	*	0	0	0
Department of Transportation	4,208	0	0	268	2,680	0	1,260
Department of the Treasury	*	*	0	0	0	0	0
Other agencies							
Consumer Product Safety Commission	*	*	0	0	0	0	0
National Aeronautics and Space Administration	21,555	0	0	2,748	18,807	0	0

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National Science Foundation	51,393	0	0	1,090	48,017	2,286	0
Postal Service	*	0	0	*	0	0	0
Arizona	1,663,321	188,312	0	828,090	549,334	84,104	13,481
Departments							
Department of Agriculture	30,869	20,644	0	180	9,425	*	615
Department of Commerce	3,256	0	0	156	3,100	0	0
Department of Defense	907,603	100,703	0	736,032	63,828	761	6,278
Department of Education	3,734	0	0	0	3,734	0	0
Department of Energy	31,859	74	0	11,521	20,257	*	0
Department of Health and Human Services	334,410	7,713	0	18,892	236,317	67,658	3,830
Department of Homeland Security	1,591	0	0	1,591	0	0	0
Department of the Interior	32,107	31,544	0	*	316	*	199
Department of Labor	*	*	0	*	0	0	0
Department of Transportation	12,726	0	0	7,440	2,727	0	2,559
Department of the Treasury	*	*	0	0	0	0	0
Department of Veterans Affairs	7,781	7,781	0	0	0	0	0
Other agencies							
Agency for International Development	750	0	0	0	750	0	0
Consumer Product Safety Commission	*	*	0	0	0	0	0
Environmental Protection Agency	50	0	0	50	0	0	0
National Aeronautics and Space Administration	165,309	19,848	0	45,435	85,976	14,050	0
National Science Foundation	131,162	0	0	6,644	122,904	1,614	0
Postal Service	102	0	0	102	0	0	0
Arkansas	300,252	66,170	0	86,351	126,768	11,006	9,956
Departments							
Department of Agriculture	43,053	25,101	0	106	16,352	937	557
Department of Defense	102,354	19,093	0	66,515	15,654	1,092	0
Department of Energy	1,649	0	0	*	1,570	0	79
Department of Health and Human Services	96,223	0	0	14,305	69,764	8,977	3,177
Department of Homeland Security	2,877	0	0	2,877	0	0	0
Department of the Interior	7,394	7,259	0	0	*	0	125
Department of Justice	894	0	0	0	894	0	0
Department of Labor	*	*	0	*	0	0	0
Department of Transportation	3,183	0	0	0	1,401	0	1,781
Department of the Treasury	*	*	0	0	0	0	0
Department of Veterans Affairs	14,714	14,714	0	0	0	0	0
Other agencies							
Consumer Product Safety Commission	*	*	0	0	0	0	0

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National Aeronautics and Space Administration	2,256	0	0	931	1,325	0	0
National Science Foundation	25,627	0	0	1,592	19,798	0	4,237
Postal Service	*	0	0	*	0	0	0
California	22,618,185	3,031,984	4,922,483	8,004,585	5,260,830	1,327,279	71,024
Departments							
Department of Agriculture	161,799	93,769	0	4,366	61,961	1,118	586
Department of Commerce	22,060	284	0	2,812	14,234	4,731	0
Department of Defense	10,160,653	2,432,406	682,659	6,336,258	574,215	133,239	1,875
Department of Education	50,464	0	0	6,389	14,376	12,989	16,710
Department of Energy	2,744,902	1,133	2,169,836	355,086	184,476	32,977	1,393
Department of Health and Human Services	5,126,819	0	21,245	521,671	3,506,709	1,045,085	32,109
Department of Homeland Security	35,280	1,142	13,356	16,381	1,949	2,453	0
Department of the Interior	74,760	52,392	250	4,205	15,647	1,266	1,001
Department of Justice	2,258	0	0	0	*	2,218	0
Department of Labor	141	*	0	108	0	0	0
Department of Transportation	49,187	11,236	0	14,674	7,809	1,250	14,217
Department of the Treasury	2,802	*	2,800	0	0	0	0
Department of Veterans Affairs	277,307	277,307	0	0	0	0	0
Other agencies							
Agency for Global Media	250	0	0	250	0	0	0
Agency for International Development	7,000	0	0	0	7,000	0	0
Consumer Product Safety Commission	*	*	0	0	0	0	0
Environmental Protection Agency	24,315	0	0	16,694	5,623	1,998	0
National Aeronautics and Space Administration	3,030,644	160,660	2,032,337	659,614	136,389	39,202	2,443
National Science Foundation	842,984	1,054	0	63,417	729,815	48,009	689
Nuclear Regulatory Commission	1,372	562	0	810	0	0	0
Postal Service	1,852	0	0	1,852	0	0	0
Social Security Administration	1,331	0	0	0	586	745	0
Colorado	6,229,985	440,675	562,842	3,864,952	857,333	487,681	16,502
Departments							
Department of Agriculture	61,132	39,700	0	1,400	19,700	155	177
Department of Commerce	218,890	143,831	794	2,167	71,901	197	0
Department of Defense	3,061,893	56,210	4,914	2,934,845	60,918	4,999	*
Department of Education	3,224	0	0	400	1,177	1,646	0
Department of Energy	565,157	423	452,721	60,815	45,551	4,860	787
Department of Health and Human Services	893,045	1,367	0	44,108	409,829	427,272	10,469
Department of Homeland Security	625	218	0	157	250	0	0
Department of the Interior	76,726	68,821	78	1,268	5,673	417	469
Department of Labor	80	*	0	59	0	0	0

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Department of Transportation	26,776	4,201	235	15,113	2,752	0	4,475
Department of the Treasury	*	*	0	0	0	0	0
Department of Veterans Affairs	30,206	30,206	0	0	0	0	0
Other agencies							
Consumer Product Safety Commission	*	*	0	0	0	0	0
Environmental Protection Agency	9,072	1,265	0	1,579	4,595	1,633	0
National Aeronautics and Space Administration	954,149	93,096	0	791,645	69,409	0	0
National Science Foundation	327,793	1,312	104,100	10,375	165,385	46,502	119
Nuclear Regulatory Commission	89	0	0	0	89	0	0
Postal Service	1,021	0	0	1,021	0	0	0
Social Security Administration	105	0	0	0	105	0	0
Connecticut	2,597,155	122,887	0	1,635,598	782,764	17,317	38,588
Departments							
Department of Agriculture	5,907	1,647	0	0	3,281	0	980
Department of Commerce	11,535	0	0	0	5,940	5,595	0
Department of Defense	1,534,943	73,759	0	1,403,586	54,632	2,965	0
Department of Education	5,233	0	0	*	5,208	0	0
Department of Energy	52,651	0	0	36,598	16,053	0	0
Department of Health and Human Services	696,109	0	0	15,687	635,755	8,248	36,421
Department of Homeland Security	6,376	0	0	6,242	134	0	0
Department of the Interior	1,586	537	0	418	487	0	145
Department of Labor	*	*	0	*	0	0	0
Department of Transportation	12,060	0	0	11,017	0	0	1,043
Department of the Treasury	*	*	0	0	0	0	0
Department of Veterans Affairs	42,005	42,005	0	0	0	0	0
Other agencies							
Agency for International Development	2,000	0	0	0	2,000	0	0
Consumer Product Safety Commission	*	*	0	0	0	0	0
Environmental Protection Agency	1,338	0	0	1,301	*	*	0
National Aeronautics and Space Administration	166,819	4,936	0	158,331	3,553	0	0
National Science Foundation	58,317	0	0	2,122	55,695	500	0
Postal Service	257	0	0	257	0	0	0
Delaware	306,913	3,322	5,271	49,600	238,890	7,805	2,024
Departments							
Department of Agriculture	7,679	1,560	0	100	6,019	0	0
Department of Commerce	95,999	0	0	0	95,999	0	0
Department of Defense	48,096	458	5,271	18,013	23,950	403	0
Department of Education	1,624	0	0	0	1,320	0	304

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Department of Energy	31,027	0	0	10,394	20,605	0	*
Department of Health and Human Services	69,359	0	0	15,827	46,669	6,723	139
Department of Homeland Security	917	0	0	917	0	0	0
Department of the Interior	1,632	679	0	0	952	0	0
Department of Justice	625	625	0	0	0	0	0
Department of Labor	*	*	0	*	0	0	0
Department of Transportation	1,706	0	0	0	153	0	1,552
Department of the Treasury	*	*	0	0	0	0	0
Other agencies							
Consumer Product Safety Commission	*	*	0	0	0	0	0
National Aeronautics and Space Administration	7,554	0	0	4,056	3,498	0	0
National Science Foundation	40,648	0	0	256	39,713	679	0
Postal Service	*	0	0	*	0	0	0
Social Security Administration	*	0	0	0	*	0	0
District of Columbia	39,038,621	35,151,327	190,261	898,844	274,356	2,514,296	9,536
Departments							
Department of Agriculture	306,981	302,620	0	127	1,074	2,510	650
Department of Commerce	36,675	29,006	0	6,665	204	802	0
Department of Defense	2,936,657	2,109,668	542	609,602	43,923	172,923	0
Department of Education	7,227	0	0	0	4,020	3,207	0
Department of Energy	709,514	684,835	0	13,916	1,589	8,599	576
Department of Health and Human Services	31,685,313	31,389,685	0	64,057	152,755	73,338	5,478
Department of Homeland Security	51,251	34,582	0	16,115	0	554	0
Department of the Interior	24,984	23,614	0	*	*	1,316	0
Department of Justice	11,313	5,982	0	2,328	195	2,801	*
Department of Labor	1,836	1,817	0	*	0	0	0
Department of Transportation	201,127	86,888	0	88,797	151	22,466	2,825
Department of the Treasury	2,622	2,622	0	0	0	0	0
Department of Veterans Affairs	123,354	123,354	0	0	0	0	0
Other agencies							
Agency for Global Media	3,025	0	0	3,025	0	0	0
Agency for International Development	37,573	4,385	0	14,673	0	18,515	0
Appalachian Regional Commission	56	0	0	0	0	56	0
Consumer Product Safety Commission	169	169	0	0	0	0	0
Environmental Protection Agency	53,096	52,987	109	0	0	0	0
Federal Trade Commission	8,094	8,094	0	0	0	0	0
Library of Congress	2,727	2,727	0	0	0	0	0
National Aeronautics and Space Administration	1,914,949	168,344	0	33,736	26,647	1,686,223	0

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National Science Foundation	329,398	1,795	189,611	34,162	43,543	60,287	0
Nuclear Regulatory Commission	1,552	923	0	628	0	0	0
Patient-Centered Outcomes Research Trust Fund	460,331	0	0	0	0	460,331	0
Postal Service	321	0	0	321	0	0	0
Smithsonian Institution	50,000	50,000	0	0	0	0	0
Social Security Administration	78,479	67,233	0	10,670	207	369	0
Florida	4,094,695	869,515	9,988	1,911,274	1,045,856	236,240	21,823
Departments							
Department of Agriculture	75,532	39,120	0	1,240	30,036	5,135	0
Department of Commerce	24,941	1,633	0	194	20,573	1,192	1,350
Department of Defense	2,574,591	725,989	9,988	1,676,295	115,722	46,347	250
Department of Education	20,556	0	0	200	10,993	0	9,363
Department of Energy	51,406	0	0	8,613	42,791	*	0
Department of Health and Human Services	781,919	234	0	35,450	566,866	179,041	328
Department of Homeland Security	6,353	3,296	0	2,709	348	0	0
Department of the Interior	54,947	45,698	0	1,860	5,534	1,561	294
Department of Justice	2,458	0	0	0	2,458	0	0
Department of Labor	*	*	0	*	0	0	0
Department of Transportation	34,982	342	0	18,611	5,791	0	10,238
Department of the Treasury	*	*	0	0	0	0	0
Department of Veterans Affairs	43,157	43,157	0	0	0	0	0
Other agencies							
Consumer Product Safety Commission	*	*	0	0	0	0	0
Environmental Protection Agency	11,611	9,016	0	716	1,387	493	0
National Aeronautics and Space Administration	187,967	1,021	0	158,324	28,072	550	0
National Science Foundation	223,761	0	0	6,787	215,056	1,917	0
Nuclear Regulatory Commission	205	0	0	0	205	0	0
Postal Service	261	0	0	261	0	0	0
Social Security Administration	*	0	0	0	*	0	0
Georgia	1,653,954	262,298	1,227	183,534	1,133,753	42,809	30,334
Departments							
Department of Agriculture	90,103	51,658	0	99	38,296	0	50
Department of Commerce	4,078	136	0	0	3,942	0	0
Department of Defense	435,233	139,192	1,227	120,598	173,373	844	0
Department of Education	2,480	0	0	0	2,120	246	114
Department of Energy	89,846	0	0	25,148	38,538	26,160	0
Department of Health and Human Services	801,120	22,723	0	19,984	719,953	13,333	25,127
Department of Homeland Security	1,041	*	0	860	140	0	0
Department of the Interior	3,365	2,483	0	*	664	197	0

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Department of Justice	1,000	0	0	0	1,000	0	0
Department of Labor	*	*	0	*	0	0	0
Department of Transportation	13,355	0	0	1,069	7,243	0	5,042
Department of the Treasury	*	*	0	0	0	0	0
Department of Veterans Affairs	38,968	38,968	0	0	0	0	0
Other agencies							
Consumer Product Safety Commission	*	*	0	0	0	0	0
Environmental Protection Agency	11,564	6,959	0	0	3,398	1,207	0
National Aeronautics and Space Administration	24,224	130	0	5,713	18,381	0	0
National Science Foundation	135,765	0	0	8,667	126,694	404	0
Nuclear Regulatory Commission	418	0	0	0	0	418	0
Postal Service	70	0	0	70	0	0	0
Social Security Administration	1,310	0	0	1,300	*	0	0
Hawaii	485,890	202,246	0	97,776	163,835	19,686	2,348
Departments							
Department of Agriculture	26,553	15,151	0	936	9,669	796	0
Department of Commerce	2,082	1,451	0	84	390	95	62
Department of Defense	304,728	176,409	0	79,829	34,592	13,898	0
Department of Energy	6,986	0	0	5,478	1,508	0	0
Department of Health and Human Services	58,614	0	0	3,129	50,430	4,117	939
Department of Homeland Security	1,440	0	0	1,440	0	0	0
Department of the Interior	6,919	6,863	0	0	0	56	0
Department of Labor	*	*	0	*	0	0	0
Department of Transportation	1,696	0	0	250	100	0	1,346
Department of the Treasury	*	*	0	0	0	0	0
Department of Veterans Affairs	2,079	2,079	0	0	0	0	0
Other agencies							
Consumer Product Safety Commission	*	*	0	0	0	0	0
Environmental Protection Agency	638	0	0	638	0	0	0
National Aeronautics and Space Administration	27,148	291	0	4,690	22,167	0	*
National Science Foundation	46,981	0	0	1,280	44,978	724	0
Postal Service	*	0	0	*	0	0	0
Idaho	672,104	47,872	286,824	262,764	62,150	3,851	8,643
Departments							
Department of Agriculture	33,352	21,341	0	0	11,896	0	115
Department of Defense	52,410	15,090	18,737	17,235	1,067	155	125
Department of Education	2,034	0	0	0	0	2,034	0
Department of Energy	508,781	79	258,487	241,627	7,553	240	796

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Department of Health and Human Services	23,681	0	0	1,050	15,141	1,142	6,348
Department of Homeland Security	4,567	0	3,112	1,455	0	0	0
Department of the Interior	10,127	9,428	0	*	665	0	0
Department of Labor	*	*	0	*	0	0	0
Department of Transportation	950	0	0	0	0	0	950
Department of the Treasury	*	*	0	0	0	0	0
Department of Veterans Affairs	1,932	1,932	0	0	0	0	0
Other agencies							
Consumer Product Safety Commission	*	*	0	0	0	0	0
Environmental Protection Agency	319	0	0	319	0	0	0
National Aeronautics and Space Administration	4,201	0	250	756	3,195	0	0
National Science Foundation	23,223	0	0	0	22,633	280	310
Nuclear Regulatory Commission	6,239	0	6,239	0	0	0	0
Postal Service	272	0	0	272	0	0	0
Illinois	3,532,719	227,776	955,130	649,247	1,531,226	160,557	8,783
Departments							
Department of Agriculture	71,489	46,963	0	675	23,675	176	0
Department of Commerce	733	0	0	165	415	153	0
Department of Defense	738,833	118,667	2,241	460,315	150,970	6,640	0
Department of Education	12,290	0	0	400	3,797	7,916	178
Department of Energy	1,180,994	229	945,772	71,757	117,156	46,003	77
Department of Health and Human Services	1,126,582	*	4,228	89,566	946,749	84,354	1,684
Department of Homeland Security	60	0	60	0	0	0	0
Department of the Interior	6,996	6,604	0	277	115	0	0
Department of Justice	6,195	0	0	108	3,878	2,210	0
Department of Labor	*	*	0	*	0	0	0
Department of Transportation	15,026	*	0	1,452	4,077	2,695	6,795
Department of the Treasury	*	*	0	0	0	0	0
Department of Veterans Affairs	53,327	53,327	0	0	0	0	0
Other agencies							
Consumer Product Safety Commission	*	*	0	0	0	0	0
Environmental Protection Agency	199	0	0	125	55	*	0
National Aeronautics and Space Administration	35,848	1,969	0	13,060	20,072	746	0
National Science Foundation	280,273	0	0	11,040	259,590	9,593	50
Nuclear Regulatory Commission	3,410	0	2,830	*	503	52	0
Postal Service	210	0	0	210	0	0	0

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State or location and agency	Total	Intramural		Extramural			
		Federal agencies ^a	FFRDCs	United States and U.S. territories			
				Businesses	Higher education ^b	Nonprofit organizations	State and local governments
Social Security Administration	237	0	0	63	175	0	0
Indiana	1,080,842	192,813	0	176,898	695,567	1,985	13,579
Departments							
Department of Agriculture	33,890	5,836	0	0	27,796	*	211
Department of Commerce	5,301	171	0	0	5,130	0	0
Department of Defense	394,631	151,987	0	136,748	105,012	882	*
Department of Education	1,725	0	0	0	1,725	0	0
Department of Energy	46,830	*	0	13,217	33,606	0	0
Department of Health and Human Services	360,522	0	0	8,313	343,463	706	8,039
Department of Homeland Security	500	0	0	0	500	0	0
Department of the Interior	8,783	7,168	0	0	1,615	0	0
Department of Justice	1,458	0	0	0	1,458	0	0
Department of Labor	*	*	0	*	0	0	0
Department of Transportation	6,100	0	0	0	771	0	5,329
Department of the Treasury	*	*	0	0	0	0	0
Department of Veterans Affairs	27,460	27,460	0	0	0	0	0
Other agencies							
Agency for International Development	1,250	0	0	0	1,250	0	0
Appalachian Regional Commission	122	0	0	122	0	0	0
Consumer Product Safety Commission	*	*	0	0	0	0	0
Environmental Protection Agency	1,335	0	0	0	985	350	0
National Aeronautics and Space Administration	25,831	180	0	13,154	12,496	0	0
National Science Foundation	164,556	0	0	5,296	159,260	0	0
Nuclear Regulatory Commission	500	0	0	0	500	0	0
Postal Service	*	0	0	*	0	0	0
Iowa	686,259	86,138	30,517	215,567	336,602	1,441	15,995
Departments							
Department of Agriculture	88,787	54,809	0	817	33,061	50	50
Department of Commerce	285	0	0	195	90	0	0
Department of Defense	201,288	1,674	*	179,794	19,651	165	0
Department of Education	858	0	0	0	858	0	0
Department of Energy	65,279	0	30,513	22,291	12,474	0	0
Department of Health and Human Services	227,476	0	0	6,913	209,217	1,226	10,120
Department of Homeland Security	424	0	0	0	424	0	0
Department of the Interior	1,284	984	0	0	300	0	0
Department of Justice	1,456	0	0	0	1,456	0	0
Department of Labor	*	*	0	*	0	0	0
Department of Transportation	10,878	0	0	194	4,904	0	5,781
Department of the Treasury	*	*	0	0	0	0	0

TABLE 61

Federal obligations for research and experimental development, by state or location, agency, and performer: FY 2021

(Dollars in thousands)

State or location and agency	Total	Intramural		Extramural			
		Federal agencies ^a	FFRDCs	United States and U.S. territories			
				Businesses	Higher education ^b	Nonprofit organizations	State and local governments
Department of Veterans Affairs	28,551	28,551	0	0	0	0	0
Other agencies							
Consumer Product Safety Commission	*	*	0	0	0	0	0
Environmental Protection Agency	1,375	0	0	1,375	0	0	0
National Aeronautics and Space Administration	12,197	115	0	951	11,131	0	0
National Science Foundation	46,065	0	0	2,996	43,025	0	*
Postal Service	*	0	0	*	0	0	0
Social Security Administration	*	0	0	0	*	0	0
Kansas	413,888	110,996	0	27,976	269,284	2,751	2,881
Departments							
Department of Agriculture	125,506	103,743	0	1,127	20,471	165	0
Department of Commerce	1,400	0	0	0	1,400	0	0
Department of Defense	76,716	1,978	0	13,565	61,146	*	0
Department of Education	6,053	0	0	0	6,053	0	0
Department of Energy	17,922	0	0	4,204	11,188	1,097	1,432
Department of Health and Human Services	111,953	0	0	1,348	108,851	1,463	290
Department of the Interior	5,549	4,627	0	0	922	0	0
Department of Labor	*	*	0	*	0	0	0
Department of Transportation	25,570	*	0	4,442	19,933	0	1,159
Department of the Treasury	*	*	0	0	0	0	0
Department of Veterans Affairs	488	488	0	0	0	0	0
Other agencies							
Consumer Product Safety Commission	*	*	0	0	0	0	0
National Aeronautics and Space Administration	7,443	117	0	3,071	4,255	0	0
National Science Foundation	34,346	0	0	200	34,146	0	0
Nuclear Regulatory Commission	918	0	0	0	918	0	0
Postal Service	*	0	0	*	0	0	0
Kentucky	542,299	167,701	0	41,637	313,709	7,430	11,822
Departments							
Department of Agriculture	25,200	4,226	0	107	20,539	203	125
Department of Defense	163,425	126,324	0	19,105	16,941	86	969
Department of Education	7,239	0	0	0	483	4,476	2,280
Department of Energy	34,654	28,047	0	2,997	3,491	120	0
Department of Health and Human Services	260,553	0	0	13,405	240,070	1,421	5,656
Department of Homeland Security	*	0	0	*	0	0	0
Department of the Interior	2,222	1,384	0	0	838	0	0
Department of Justice	550	0	0	0	0	550	0
Department of Labor	*	*	0	*	0	0	0
Department of Transportation	2,829	0	0	*	0	0	2,792

TABLE 61

Federal obligations for research and experimental development, by state or location, agency, and performer: FY 2021

(Dollars in thousands)

State or location and agency	Total	Intramural		Extramural			
		Federal agencies ^a	FFRDCs	United States and U.S. territories			
				Businesses	Higher education ^b	Nonprofit organizations	State and local governments
Department of the Treasury	*	*	0	0	0	0	0
Department of Veterans Affairs	7,717	7,717	0	0	0	0	0
Other agencies							
Consumer Product Safety Commission	*	*	0	0	0	0	0
Environmental Protection Agency	638	0	0	638	0	0	0
National Aeronautics and Space Administration	6,236	0	0	3,340	2,896	0	0
National Science Foundation	31,005	0	0	1,980	28,451	573	0
Postal Service	*	0	0	*	0	0	0
Louisiana	456,813	65,636	0	91,297	266,781	7,721	25,378
Departments							
Department of Agriculture	45,412	32,110	0	100	12,952	0	250
Department of Commerce	2,572	94	0	0	2,263	100	115
Department of Defense	89,377	6,611	0	75,950	5,573	1,243	*
Department of Education	3,956	0	0	0	1,678	2,278	0
Department of Energy	12,517	0	0	3,964	8,424	0	129
Department of Health and Human Services	212,571	2,832	0	2,960	193,048	2,155	11,577
Department of the Interior	20,658	18,050	0	490	862	315	941
Department of Labor	*	*	0	*	0	0	0
Department of Transportation	6,252	0	0	0	2,583	0	3,669
Department of the Treasury	*	*	0	0	0	0	0
Department of Veterans Affairs	5,936	5,936	0	0	0	0	0
Other agencies							
Consumer Product Safety Commission	*	*	0	0	0	0	0
Environmental Protection Agency	7,912	0	0	6,037	1,383	492	0
National Aeronautics and Space Administration	2,453	0	0	504	1,804	0	145
National Science Foundation	47,175	0	0	1,273	36,211	1,139	8,552
Postal Service	*	0	0	*	0	0	0
Maine	248,866	16,710	2,040	55,631	58,224	108,068	8,193
Departments							
Department of Agriculture	19,700	3,438	0	873	13,808	872	710
Department of Commerce	3,039	0	0	0	2,177	862	0
Department of Defense	24,985	4,196	2,040	15,898	1,885	966	0
Department of Energy	24,797	0	0	9,393	15,276	0	129
Department of Health and Human Services	110,019	0	0	2,070	5,452	97,121	5,377
Department of Homeland Security	24,942	6,966	0	17,664	0	0	312
Department of the Interior	2,493	1,941	0	0	0	0	552
Department of Labor	*	*	0	*	0	0	0
Department of Transportation	5,027	0	0	1,330	2,583	0	1,114
Department of the Treasury	*	*	0	0	0	0	0

TABLE 61

Federal obligations for research and experimental development, by state or location, agency, and performer: FY 2021

(Dollars in thousands)

State or location and agency	Total	Intramural		Extramural			
		Federal agencies ^a	FFRDCs	United States and U.S. territories			
				Businesses	Higher education ^b	Nonprofit organizations	State and local governments
Department of Veterans Affairs	169	169	0	0	0	0	0
Other agencies							
Consumer Product Safety Commission	*	*	0	0	0	0	0
Environmental Protection Agency	128	0	0	128	0	0	0
National Aeronautics and Space Administration	9,735	0	0	7,365	1,792	578	0
National Science Foundation	23,708	0	0	787	15,252	7,669	0
Nuclear Regulatory Commission	79	0	0	79	0	0	0
Postal Service	*	0	0	*	0	0	0
Maryland	17,564,594	10,740,753	681,970	3,108,944	2,598,098	395,409	39,419
Departments							
Department of Agriculture	204,879	182,061	0	830	21,965	*	0
Department of Commerce	1,163,430	1,101,004	19,914	30,749	11,193	570	0
Department of Defense	5,188,173	2,767,624	5,194	1,335,722	777,786	301,536	310
Department of Education	11,261	0	0	3,470	6,054	1,738	0
Department of Energy	68,236	1,598	0	31,092	15,931	2,211	17,404
Department of Health and Human Services	8,905,780	6,478,470	656,862	540,225	1,131,700	81,767	16,757
Department of Homeland Security	19,383	7,941	0	11,002	440	0	0
Department of the Interior	39,829	37,457	0	1,157	312	523	380
Department of Justice	5,690	4,521	0	1,072	0	0	97
Department of Labor	553	438	0	114	0	0	0
Department of Transportation	43,169	4,827	0	27,214	5,657	1,000	4,471
Department of the Treasury	229	*	0	0	200	0	0
Department of Veterans Affairs	30,393	30,393	0	0	0	0	0
Other agencies							
Agency for International Development	5,125	4,800	0	0	0	325	0
Consumer Product Safety Commission	*	*	0	0	0	0	0
Environmental Protection Agency	14,497	0	0	10,255	3,130	1,112	0
National Aeronautics and Space Administration	1,474,702	76,515	0	897,962	500,226	0	0
National Science Foundation	339,207	1,932	0	209,549	123,122	4,604	0
Nuclear Regulatory Commission	29,831	28,601	0	847	383	0	0
Postal Service	1,968	0	0	1,968	0	0	0
Smithsonian Institution	12,500	12,500	0	0	0	0	0
Social Security Administration	5,717	0	0	5,717	0	0	0
Massachusetts	9,496,432	550,803	1,872,104	2,950,187	2,002,466	2,110,156	10,716
Departments							
Department of Agriculture	35,674	11,840	0	766	19,777	2,781	510
Department of Commerce	12,927	0	0	1,555	9,146	2,221	*

TABLE 61

Federal obligations for research and experimental development, by state or location, agency, and performer: FY 2021

(Dollars in thousands)

State or location and agency	Total	Intramural		Extramural			
		Federal agencies ^a	FFRDCs	United States and U.S. territories			
				Businesses	Higher education ^b	Nonprofit organizations	State and local governments
Department of Defense	4,370,252	185,663	1,870,776	1,891,852	303,109	118,853	0
Department of Education	16,533	0	0	200	5,440	10,618	275
Department of Energy	203,503	3,756	0	77,962	109,694	9,070	3,021
Department of Health and Human Services	3,879,002	0	0	863,318	1,094,759	1,917,522	3,403
Department of Homeland Security	4,169	0	0	4,169	0	0	0
Department of the Interior	14,580	12,626	0	125	1,472	232	125
Department of Justice	3,413	0	0	1,126	1,287	1,000	0
Department of Labor	88	*	0	68	0	0	0
Department of Transportation	77,293	57,626	1,327	12,351	2,619	0	3,370
Department of the Treasury	*	*	0	0	0	0	0
Department of Veterans Affairs	167,680	167,680	0	0	0	0	0
Other agencies							
Consumer Product Safety Commission	*	*	0	0	0	0	0
Environmental Protection Agency	19,222	1,265	0	15,259	1,990	707	0
National Aeronautics and Space Administration	191,403	110,325	0	41,897	37,795	1,386	0
National Science Foundation	490,701	0	0	34,323	412,802	43,568	*
Nuclear Regulatory Commission	700	0	0	201	500	0	0
Postal Service	1,175	0	0	1,175	0	0	0
Social Security Administration	8,114	0	0	3,839	2,075	2,200	0
Michigan	2,070,494	323,683	*	445,953	1,211,927	82,665	6,264
Departments							
Department of Agriculture	23,658	2,297	0	769	20,592	0	0
Department of Commerce	4,649	318	0	0	4,331	0	0
Department of Defense	731,517	255,301	*	365,421	89,084	21,709	0
Department of Education	4,338	0	0	200	4,138	0	0
Department of Energy	141,900	0	0	27,467	114,433	0	0
Department of Health and Human Services	860,970	211	0	33,218	766,108	59,927	1,506
Department of Homeland Security	388	0	0	*	375	0	0
Department of the Interior	10,325	10,272	0	0	53	0	0
Department of Justice	1,554	0	0	0	1,554	0	0
Department of Labor	*	*	0	*	0	0	0
Department of Transportation	16,302	*	0	6,452	5,055	0	4,759
Department of the Treasury	*	*	0	0	0	0	0
Department of Veterans Affairs	44,731	44,731	0	0	0	0	0
Other agencies							
Consumer Product Safety Commission	*	*	0	0	0	0	0
Environmental Protection Agency	5,489	0	0	1,562	2,898	1,030	0

TABLE 61

Federal obligations for research and experimental development, by state or location, agency, and performer: FY 2021

(Dollars in thousands)

State or location and agency	Total	Intramural		Extramural			
		Federal agencies ^a	FFRDCs	United States and U.S. territories			
				Businesses	Higher education ^b	Nonprofit organizations	State and local governments
National Aeronautics and Space Administration	35,330	10,512	0	5,097	19,721	0	0
National Science Foundation	187,511	0	0	5,658	181,853	0	0
Nuclear Regulatory Commission	873	0	0	0	873	0	0
Postal Service	89	0	0	89	0	0	0
Social Security Administration	860	0	0	0	860	0	0
Minnesota	1,144,953	85,358	0	215,833	497,754	317,338	28,671
Departments							
Department of Agriculture	52,246	21,861	0	196	29,794	0	396
Department of Commerce	1,659	0	0	81	1,578	0	0
Department of Defense	226,938	18,871	0	140,992	29,822	37,253	0
Department of Education	4,920	0	0	0	3,707	1,213	0
Department of Energy	35,118	0	0	10,736	24,382	0	0
Department of Health and Human Services	684,210	0	0	52,468	335,100	276,181	20,461
Department of the Interior	9,677	5,492	0	0	3,925	0	259
Department of Labor	*	*	0	*	0	0	0
Department of Transportation	10,363	0	0	2,807	0	0	7,555
Department of the Treasury	*	*	0	0	0	0	0
Department of Veterans Affairs	28,073	28,073	0	0	0	0	0
Other agencies							
Consumer Product Safety Commission	*	*	0	0	0	0	0
Environmental Protection Agency	9,876	9,807	0	*	*	*	0
National Aeronautics and Space Administration	11,432	1,250	0	4,524	5,658	0	0
National Science Foundation	70,339	0	0	3,897	63,760	2,682	0
Nuclear Regulatory Commission	*	0	0	*	0	0	0
Postal Service	83	0	0	83	0	0	0
Mississippi	454,921	234,025	0	37,985	175,437	4,825	2,650
Departments							
Department of Agriculture	126,617	83,371	0	320	37,869	4,575	482
Department of Commerce	13,643	610	0	0	12,856	50	127
Department of Defense	126,351	77,954	0	23,991	24,247	158	0
Department of Education	446	0	0	0	446	0	0
Department of Energy	6,060	320	0	0	5,740	0	0
Department of Health and Human Services	66,984	0	0	0	65,640	*	1,303
Department of Homeland Security	1,971	0	0	1,971	0	0	0
Department of the Interior	4,084	3,245	0	0	714	0	125
Department of Justice	597	0	0	0	597	0	0
Department of Labor	*	*	0	*	0	0	0
Department of Transportation	6,320	*	0	0	5,684	0	612
Department of the Treasury	*	*	0	0	0	0	0

TABLE 61

Federal obligations for research and experimental development, by state or location, agency, and performer: FY 2021

(Dollars in thousands)

State or location and agency	Total	Intramural		Extramural			
		Federal agencies ^a	FFRDCs	United States and U.S. territories			
				Businesses	Higher education ^b	Nonprofit organizations	State and local governments
Department of Veterans Affairs	906	906	0	0	0	0	0
Other agencies							
Consumer Product Safety Commission	*	*	0	0	0	0	0
National Aeronautics and Space Administration	79,345	67,466	0	11,449	430	0	0
National Science Foundation	21,452	0	0	237	21,215	0	0
Nuclear Regulatory Commission	120	120	0	0	0	0	0
Postal Service	*	0	0	*	0	0	0
Missouri	2,058,775	160,622	0	953,196	884,718	46,466	13,773
Departments							
Department of Agriculture	69,317	40,077	0	906	27,151	1,183	0
Department of Commerce	1,599	1,563	0	*	0	0	0
Department of Defense	976,576	71,133	0	835,977	56,289	13,177	0
Department of Education	8,388	0	0	0	8,388	0	0
Department of Energy	71,427	0	0	50,050	16,702	4,675	0
Department of Health and Human Services	774,776	0	0	31,016	717,610	16,900	9,250
Department of Homeland Security	5,590	4,540	0	0	1,050	0	0
Department of the Interior	24,489	22,404	0	270	1,746	69	0
Department of Labor	*	*	0	*	0	0	0
Department of Transportation	16,088	50	0	9,492	2,023	0	4,522
Department of the Treasury	*	*	0	0	0	0	0
Department of Veterans Affairs	20,608	20,608	0	0	0	0	0
Other agencies							
Consumer Product Safety Commission	*	*	0	0	0	0	0
Environmental Protection Agency	1,104	0	0	0	814	289	0
National Aeronautics and Space Administration	34,294	242	0	22,849	11,203	0	0
National Science Foundation	54,378	0	0	2,463	41,743	10,172	0
Postal Service	130	0	0	130	0	0	0
Montana	287,208	77,990	0	29,151	167,255	2,786	10,026
Departments							
Department of Agriculture	30,990	14,279	0	*	16,596	90	0
Department of Commerce	200	0	0	0	200	0	0
Department of Defense	77,430	3,309	0	9,587	64,316	219	0
Department of Education	151	0	0	0	0	0	151
Department of Energy	13,961	0	0	8,569	5,392	0	0
Department of Health and Human Services	95,072	40,784	0	6,492	39,979	1,993	5,824
Department of Homeland Security	2,180	0	0	0	0	0	2,180
Department of the Interior	21,084	19,613	0	0	1,033	50	388
Department of Labor	*	*	0	*	0	0	0

TABLE 61

Federal obligations for research and experimental development, by state or location, agency, and performer: FY 2021

(Dollars in thousands)

State or location and agency	Total	Intramural		Extramural			
		Federal agencies ^a	FFRDCs	United States and U.S. territories			
				Businesses	Higher education ^b	Nonprofit organizations	State and local governments
Department of Transportation	2,957	0	0	73	1,401	0	1,484
Department of the Treasury	*	*	0	0	0	0	0
Other agencies							
Consumer Product Safety Commission	*	*	0	0	0	0	0
Environmental Protection Agency	*	0	0	0	*	*	0
National Aeronautics and Space Administration	10,813	0	0	3,871	6,941	*	0
National Science Foundation	32,305	0	0	511	31,370	424	0
Postal Service	*	0	0	*	0	0	0
Nebraska	302,638	46,772	0	20,523	213,769	18,757	2,816
Departments							
Department of Agriculture	54,401	32,053	0	738	14,580	7,030	0
Department of Commerce	300	0	0	0	300	0	0
Department of Defense	42,448	3,524	0	16,690	20,413	1,820	0
Department of Education	2,713	0	0	0	2,713	0	0
Department of Energy	7,029	0	0	207	6,810	*	0
Department of Health and Human Services	134,263	0	0	1,606	122,219	9,849	590
Department of Homeland Security	7,708	0	0	0	7,708	0	0
Department of the Interior	1,162	500	0	164	498	0	0
Department of Justice	3,171	0	0	0	3,171	0	0
Department of Labor	*	*	0	*	0	0	0
Department of Transportation	5,006	0	0	197	2,583	0	2,226
Department of the Treasury	*	*	0	0	0	0	0
Department of Veterans Affairs	10,690	10,690	0	0	0	0	0
Other agencies							
Consumer Product Safety Commission	*	*	0	0	0	0	0
National Aeronautics and Space Administration	1,081	*	0	918	162	0	0
National Science Foundation	32,660	0	0	0	32,613	*	0
Postal Service	*	0	0	*	0	0	0
Nevada	551,831	50,478	0	391,891	97,367	4,874	7,220
Departments							
Department of Agriculture	5,914	2,717	0	80	3,110	*	0
Department of Commerce	145	0	0	0	145	0	0
Department of Defense	209,532	4,914	0	195,490	9,127	0	0
Department of Energy	195,367	903	0	176,306	18,158	0	0
Department of Health and Human Services	44,434	0	0	2,229	34,323	2,098	5,784
Department of Homeland Security	222	0	0	222	0	0	0
Department of the Interior	10,496	9,688	0	0	758	0	50
Department of Justice	2,568	0	0	0	568	2,000	0
Department of Labor	*	*	0	*	0	0	0
Department of Transportation	2,787	0	0	0	1,401	0	1,386

TABLE 61

Federal obligations for research and experimental development, by state or location, agency, and performer: FY 2021

(Dollars in thousands)

State or location and agency	Total	Intramural		Extramural			
		Federal agencies ^a	FFRDCs	United States and U.S. territories			
				Businesses	Higher education ^b	Nonprofit organizations	State and local governments
Department of the Treasury	*	*	0	0	0	0	0
Department of Veterans Affairs	1,059	1,059	0	0	0	0	0
Other agencies							
Consumer Product Safety Commission	*	*	0	0	0	0	0
Environmental Protection Agency	1,884	0	0	0	1,390	494	0
National Aeronautics and Space Administration	51,394	31,193	0	17,333	2,867	0	0
National Science Foundation	25,296	0	0	0	25,020	276	0
Nuclear Regulatory Commission	500	0	0	0	500	0	0
Postal Service	218	0	0	218	0	0	0
New Hampshire	522,631	19,404	0	279,670	212,380	9,988	1,189
Departments							
Department of Agriculture	10,249	4,626	0	650	4,924	*	0
Department of Commerce	12,694	581	0	*	11,798	311	0
Department of Defense	272,965	7,224	0	254,749	9,788	1,204	0
Department of Energy	18,027	76	0	1,564	16,251	0	136
Department of Health and Human Services	112,832	0	0	14,877	89,464	8,254	237
Department of Homeland Security	319	0	0	319	0	0	0
Department of the Interior	2,379	2,010	0	*	227	0	118
Department of Justice	1,491	0	0	0	1,491	0	0
Department of Labor	*	*	0	*	0	0	0
Department of Transportation	823	*	0	95	0	0	697
Department of the Treasury	*	*	0	0	0	0	0
Department of Veterans Affairs	161	161	0	0	0	0	0
Other agencies							
Consumer Product Safety Commission	*	*	0	0	0	0	0
National Aeronautics and Space Administration	65,094	4,695	0	6,294	54,106	0	0
National Science Foundation	25,494	0	0	1,064	24,260	171	0
Postal Service	*	0	0	*	0	0	0
Social Security Administration	71	0	0	0	71	0	0
New Jersey	3,398,171	1,057,007	126,515	1,591,296	554,091	47,339	21,924
Departments							
Department of Agriculture	12,912	103	0	849	10,676	1,283	0
Department of Commerce	12,261	120	0	*	12,102	0	*
Department of Defense	1,725,542	1,042,484	0	611,546	65,419	6,094	0
Department of Education	14,836	0	0	9,925	3,698	1,212	0
Department of Energy	164,780	0	126,515	15,616	22,115	535	0
Department of Health and Human Services	1,209,077	0	0	896,725	262,056	33,787	16,510
Department of Homeland Security	4,648	0	0	4,648	0	0	0

TABLE 61

Federal obligations for research and experimental development, by state or location, agency, and performer: FY 2021

(Dollars in thousands)

State or location and agency	Total	Intramural		Extramural			
		Federal agencies ^a	FFRDCs	United States and U.S. territories			
				Businesses	Higher education ^b	Nonprofit organizations	State and local governments
Department of the Interior	2,973	1,829	0	568	399	0	176
Department of Justice	1,866	0	0	0	1,866	0	0
Department of Labor	64	*	0	63	0	0	0
Department of Transportation	29,355	*	0	20,139	3,979	0	5,228
Department of the Treasury	*	*	0	0	0	0	0
Department of Veterans Affairs	7,299	7,299	0	0	0	0	0
Other agencies							
Consumer Product Safety Commission	*	*	0	0	0	0	0
Environmental Protection Agency	4,245	2,214	0	1,919	82	*	0
National Aeronautics and Space Administration	41,788	2,947	0	18,634	20,101	106	0
National Science Foundation	161,698	0	0	5,809	151,597	4,292	0
Postal Service	1,087	0	0	1,087	0	0	0
Social Security Administration	3,739	0	0	3,739	0	0	0
New Mexico	3,881,144	1,024,942	1,979,499	641,103	199,407	32,440	3,752
Departments							
Department of Agriculture	13,970	6,056	0	100	6,994	821	0
Department of Commerce	988	895	0	76	0	*	0
Department of Defense	1,665,889	767,357	279,956	572,741	35,220	10,615	0
Department of Energy	1,893,207	196,394	1,669,626	12,600	10,936	2,484	1,167
Department of Health and Human Services	121,642	0	7,116	4,479	95,463	13,940	644
Department of Homeland Security	27,722	19,615	1,420	6,687	0	0	0
Department of the Interior	7,030	4,408	0	413	2,078	131	0
Department of Justice	1,489	0	0	635	854	0	0
Department of Labor	*	*	0	*	0	0	0
Department of Transportation	10,525	0	0	8,257	1,452	0	816
Department of the Treasury	2,251	*	2,250	0	0	0	0
Department of Veterans Affairs	25,055	25,055	0	0	0	0	0
Other agencies							
Consumer Product Safety Commission	*	*	0	0	0	0	0
National Aeronautics and Space Administration	55,255	4,055	12,680	32,250	5,907	110	254
National Science Foundation	49,078	593	0	2,785	40,504	4,323	872
Nuclear Regulatory Commission	6,949	498	6,451	0	0	0	0
Postal Service	75	0	0	75	0	0	0
New York	6,830,934	222,856	517,967	1,699,512	3,735,477	506,968	148,154
Departments							
Department of Agriculture	71,981	26,064	0	778	40,829	4,311	0
Department of Commerce	5,846	0	0	*	5,781	*	0
Department of Defense	1,169,060	123,797	5,210	784,174	186,744	68,832	302
Department of Education	17,796	0	0	2,200	9,306	6,290	0
Department of Energy	1,205,300	*	502,447	607,092	86,127	6,992	2,605

TABLE 61

Federal obligations for research and experimental development, by state or location, agency, and performer: FY 2021

(Dollars in thousands)

State or location and agency	Total	Intramural		Extramural			
		Federal agencies ^a	FFRDCs	United States and U.S. territories			
				Businesses	Higher education ^b	Nonprofit organizations	State and local governments
Department of Health and Human Services	3,667,592	78	3,600	157,869	2,972,576	399,890	133,579
Department of Homeland Security	1,273	0	524	436	313	0	0
Department of the Interior	11,598	9,778	0	*	1,398	0	418
Department of Justice	1,287	0	0	500	632	50	106
Department of Labor	65	*	0	59	0	0	0
Department of Transportation	12,002	*	0	2,223	1,817	0	7,941
Department of the Treasury	*	*	0	0	0	0	0
Department of Veterans Affairs	59,649	59,649	0	0	0	0	0
Other agencies							
Agency for Global Media	725	0	0	725	0	0	0
Consumer Product Safety Commission	*	*	0	0	0	0	0
Environmental Protection Agency	5,668	0	0	4,149	1,120	398	0
National Aeronautics and Space Administration	167,974	3,425	6,186	115,456	40,857	1,750	300
National Science Foundation	431,943	0	0	22,802	387,978	18,260	2,904
Nuclear Regulatory Commission	*	0	0	*	0	0	0
Postal Service	1,016	0	0	1,016	0	0	0
Social Security Administration	150	0	0	0	0	150	0
North Carolina	3,620,371	383,630	0	940,096	1,824,120	447,051	25,473
Departments							
Department of Agriculture	70,191	22,881	0	294	46,066	211	739
Department of Commerce	18,915	5,318	0	7,693	3,938	1,967	0
Department of Defense	345,047	21,827	0	179,390	116,165	27,666	0
Department of Education	18,408	0	0	370	16,141	1,897	0
Department of Energy	60,497	215	0	13,398	38,410	8,216	258
Department of Health and Human Services	2,675,524	182,557	0	681,475	1,404,069	389,865	17,557
Department of Homeland Security	12,610	0	0	7,393	5,217	0	0
Department of the Interior	11,263	10,287	0	71	686	0	219
Department of Justice	15,334	0	0	0	452	14,882	0
Department of Labor	69	*	0	*	0	0	0
Department of Transportation	14,711	0	0	180	7,831	0	6,700
Department of the Treasury	*	*	0	0	0	0	0
Department of Veterans Affairs	35,339	35,339	0	0	0	0	0
Other agencies							
Agency for International Development	500	0	0	0	500	0	0
Consumer Product Safety Commission	*	*	0	0	0	0	0
Environmental Protection Agency	143,524	105,183	0	32,611	4,228	1,502	0

TABLE 61

Federal obligations for research and experimental development, by state or location, agency, and performer: FY 2021

(Dollars in thousands)

State or location and agency	Total	Intramural		Extramural			
		Federal agencies ^a	FFRDCs	United States and U.S. territories			
				Businesses	Higher education ^b	Nonprofit organizations	State and local governments
National Aeronautics and Space Administration	10,516	0	0	5,987	4,106	423	0
National Science Foundation	186,555	0	0	10,341	175,792	422	0
Nuclear Regulatory Commission	520	0	0	0	520	0	0
Postal Service	846	0	0	846	0	0	0
North Dakota	168,097	41,749	0	21,237	94,334	3,349	7,428
Departments							
Department of Agriculture	54,012	38,976	0	0	14,927	0	110
Department of Defense	23,933	0	0	19,218	4,681	*	0
Department of Energy	21,132	0	0	455	20,677	0	0
Department of Health and Human Services	35,556	0	0	0	26,038	3,121	6,398
Department of the Interior	2,781	2,656	0	0	125	0	0
Department of Labor	*	*	0	*	0	0	0
Department of Transportation	8,021	*	0	1,560	5,531	0	920
Department of the Treasury	*	*	0	0	0	0	0
Department of Veterans Affairs	106	106	0	0	0	0	0
Other agencies							
Consumer Product Safety Commission	*	*	0	0	0	0	0
Environmental Protection Agency	742	0	0	*	546	194	0
National Aeronautics and Space Administration	350	0	0	0	350	0	0
National Science Foundation	21,459	0	0	0	21,459	0	0
Postal Service	*	0	0	*	0	0	0
Ohio	3,856,489	1,107,733	26,812	1,344,147	1,028,125	328,821	20,850
Departments							
Department of Agriculture	40,141	12,199	0	743	26,801	233	165
Department of Commerce	1,977	269	0	100	1,495	114	0
Department of Defense	2,333,320	975,374	22,357	1,085,033	178,302	72,110	144
Department of Education	5,368	0	0	0	4,334	709	324
Department of Energy	112,551	796	4,369	40,426	51,222	15,738	0
Department of Health and Human Services	970,242	10,161	0	75,461	639,470	234,202	10,949
Department of Homeland Security	16,506	1,428	0	15,078	0	0	0
Department of the Interior	9,513	8,476	0	420	320	0	297
Department of Labor	*	*	0	*	0	0	0
Department of Transportation	34,870	738	86	18,026	4,098	2,951	8,971
Department of the Treasury	*	*	0	0	0	0	0
Department of Veterans Affairs	41,115	41,115	0	0	0	0	0
Other agencies							
Consumer Product Safety Commission	151	*	0	0	150	0	0
Environmental Protection Agency	80,645	50,140	0	28,875	1,203	427	0

TABLE 61

Federal obligations for research and experimental development, by state or location, agency, and performer: FY 2021

(Dollars in thousands)

State or location and agency	Total	Intramural		Extramural			
		Federal agencies ^a	FFRDCs	United States and U.S. territories			
				Businesses	Higher education ^b	Nonprofit organizations	State and local governments
National Aeronautics and Space Administration	89,083	7,031	0	72,940	8,564	549	0
National Science Foundation	119,812	0	0	6,002	112,022	1,788	0
Nuclear Regulatory Commission	738	0	0	738	0	0	0
Postal Service	289	0	0	289	0	0	0
Social Security Administration	143	0	0	0	143	0	0
Oklahoma	1,505,105	1,139,039	0	120,656	198,277	41,334	5,799
Departments							
Department of Agriculture	38,190	13,901	0	815	23,324	0	150
Department of Commerce	13,823	135	0	*	13,675	0	0
Department of Defense	1,153,268	1,051,272	0	89,888	11,792	315	0
Department of Education	438	0	0	0	438	0	0
Department of Energy	23,561	0	0	7,441	10,420	5,360	339
Department of Health and Human Services	131,644	0	0	7,425	86,440	35,423	2,356
Department of Homeland Security	1,239	0	0	1,239	0	0	0
Department of the Interior	57,518	56,607	0	*	815	0	82
Department of Justice	196	0	0	0	196	0	0
Department of Labor	*	*	0	*	0	0	0
Department of Transportation	12,695	2,212	0	7,696	330	0	2,458
Department of the Treasury	*	*	0	0	0	0	0
Department of Veterans Affairs	8,740	8,740	0	0	0	0	0
Other agencies							
Consumer Product Safety Commission	*	*	0	0	0	0	0
Environmental Protection Agency	9,812	6,010	0	3,622	132	*	0
National Aeronautics and Space Administration	18,306	155	0	1,416	16,547	188	0
National Science Foundation	35,633	0	0	1,050	34,169	0	415
Postal Service	*	0	0	*	0	0	0
Oregon	1,069,952	286,944	1,782	95,666	654,140	23,369	8,051
Departments							
Department of Agriculture	85,423	50,670	0	210	34,240	279	*
Department of Commerce	6,234	51	0	51	6,132	0	0
Department of Defense	287,381	131,182	1,782	37,226	116,828	364	0
Department of Education	11,992	0	0	1,913	6,580	3,132	367
Department of Energy	37,596	0	0	18,157	19,331	*	108
Department of Health and Human Services	430,975	24,741	0	25,776	362,085	17,292	1,081
Department of Homeland Security	499	0	0	0	499	0	0
Department of the Interior	19,346	17,739	0	0	288	*	1,304
Department of Justice	496	0	0	0	496	0	0
Department of Labor	*	*	0	*	0	0	0
Department of Transportation	10,257	*	0	449	4,884	0	4,897
Department of the Treasury	*	*	0	0	0	0	0

TABLE 61

Federal obligations for research and experimental development, by state or location, agency, and performer: FY 2021

(Dollars in thousands)

State or location and agency	Total	Intramural		Extramural			
		Federal agencies ^a	FFRDCs	United States and U.S. territories			
				Businesses	Higher education ^b	Nonprofit organizations	State and local governments
Department of Veterans Affairs	52,559	52,559	0	0	0	0	0
Other agencies							
Consumer Product Safety Commission	*	*	0	0	0	0	0
Environmental Protection Agency	11,714	9,965	0	937	600	213	0
National Aeronautics and Space Administration	11,128	0	0	4,907	6,220	*	0
National Science Foundation	103,283	0	0	5,481	95,457	2,073	272
Nuclear Regulatory Commission	990	0	0	490	500	0	0
Postal Service	65	0	0	65	0	0	0
Pennsylvania	4,544,785	441,516	64,174	1,355,538	2,323,389	341,498	18,671
Departments							
Department of Agriculture	75,612	47,395	0	100	26,285	1,792	*
Department of Commerce	4,881	0	0	288	4,512	81	0
Department of Defense	1,295,879	297,728	64,174	632,386	276,965	24,625	*
Department of Education	11,892	0	0	564	9,141	1,670	516
Department of Energy	483,529	28,165	0	374,125	78,001	3,216	*
Department of Health and Human Services	2,115,090	8,444	0	188,152	1,607,468	304,226	6,799
Department of Homeland Security	11,475	0	0	11,216	259	0	0
Department of the Interior	10,817	8,546	0	400	1,524	144	203
Department of Justice	5,367	0	0	0	3,367	2,000	0
Department of Labor	54	*	0	*	0	0	0
Department of Transportation	29,929	*	0	5,475	11,622	1,712	11,090
Department of the Treasury	*	*	0	0	0	0	0
Department of Veterans Affairs	48,315	48,315	0	0	0	0	0
Other agencies							
Consumer Product Safety Commission	*	*	0	0	0	0	0
Environmental Protection Agency	7,229	0	0	7,164	*	*	0
National Aeronautics and Space Administration	154,459	2,884	0	128,048	23,486	*	0
National Science Foundation	288,754	0	0	6,205	280,574	1,974	0
Nuclear Regulatory Commission	675	0	0	565	110	0	0
Postal Service	802	0	0	802	0	0	0
Social Security Administration	*	0	0	0	*	0	0
Rhode Island	866,046	272,948	3,253	189,776	304,079	85,630	10,360
Departments							
Department of Agriculture	4,225	*	0	650	3,533	*	0
Department of Commerce	20,834	0	0	0	20,834	0	0
Department of Defense	479,218	242,361	3,253	178,709	53,956	939	0
Department of Education	1,414	0	0	0	1,414	0	0
Department of Energy	7,931	0	0	1,151	5,288	0	1,493

TABLE 61

Federal obligations for research and experimental development, by state or location, agency, and performer: FY 2021

(Dollars in thousands)

State or location and agency	Total	Intramural		Extramural			
		Federal agencies ^a	FFRDCs	United States and U.S. territories			
				Businesses	Higher education ^b	Nonprofit organizations	State and local governments
Department of Health and Human Services	257,603	0	0	5,960	161,031	83,144	7,469
Department of Homeland Security	*	0	0	*	0	0	0
Department of the Interior	*	*	0	0	0	0	0
Department of Labor	*	*	0	*	0	0	0
Department of Transportation	1,443	0	0	*	0	0	1,398
Department of the Treasury	*	*	0	0	0	0	0
Department of Veterans Affairs	20,881	20,881	0	0	0	0	0
Other agencies							
Consumer Product Safety Commission	*	*	0	0	0	0	0
Environmental Protection Agency	9,648	9,648	0	0	0	0	0
National Aeronautics and Space Administration	6,930	0	0	2,933	3,997	0	0
National Science Foundation	55,839	0	0	275	54,027	1,538	0
Postal Service	*	0	0	*	0	0	0
South Carolina	1,434,459	147,877	58,903	627,813	347,098	235,479	17,289
Departments							
Department of Agriculture	33,758	15,062	0	849	14,552	3,295	0
Department of Commerce	15,233	13,106	0	0	1,442	0	684
Department of Defense	973,769	81,262	11,383	595,925	57,119	228,081	0
Department of Education	10,823	0	0	0	4,022	0	6,802
Department of Energy	63,484	459	47,038	5,363	10,495	0	129
Department of Health and Human Services	240,764	0	0	20,413	211,850	2,144	6,357
Department of Homeland Security	3,169	0	482	2,687	0	0	0
Department of the Interior	1,575	842	0	*	573	0	155
Department of Justice	1,250	0	0	0	1,250	0	0
Department of Labor	*	*	0	*	0	0	0
Department of Transportation	5,401	0	0	1,121	1,119	0	3,162
Department of the Treasury	*	*	0	0	0	0	0
Department of Veterans Affairs	36,798	36,798	0	0	0	0	0
Other agencies							
Consumer Product Safety Commission	*	*	0	0	0	0	0
Environmental Protection Agency	281	0	0	281	0	0	0
National Aeronautics and Space Administration	3,833	0	0	347	3,486	0	0
National Science Foundation	44,279	344	0	786	41,190	1,959	0
Postal Service	*	0	0	*	0	0	0
South Dakota	132,148	23,548	0	24,564	37,755	14,181	32,100
Departments							
Department of Agriculture	12,933	3,099	0	200	9,533	0	100
Department of Defense	36,027	9,919	0	18,961	6,418	729	0

TABLE 61

Federal obligations for research and experimental development, by state or location, agency, and performer: FY 2021

(Dollars in thousands)

State or location and agency	Total	Intramural		Extramural			
		Federal agencies ^a	FFRDCs	United States and U.S. territories			
				Businesses	Higher education ^b	Nonprofit organizations	State and local governments
Department of Energy	23,598	104	0	294	417	0	22,783
Department of Health and Human Services	29,261	0	0	1,386	11,459	9,277	7,139
Department of Homeland Security	1,620	0	0	1,620	0	0	0
Department of the Interior	114	*	0	0	99	0	0
Department of Justice	150	0	0	0	150	0	0
Department of Labor	*	*	0	*	0	0	0
Department of Transportation	2,078	0	0	0	0	0	2,078
Department of the Treasury	*	*	0	0	0	0	0
Department of Veterans Affairs	579	579	0	0	0	0	0
Other agencies							
Consumer Product Safety Commission	*	*	0	0	0	0	0
Environmental Protection Agency	74	0	0	0	55	*	0
National Aeronautics and Space Administration	12,800	9,831	0	1,790	1,179	0	0
National Science Foundation	12,906	0	0	306	8,445	4,155	0
Postal Service	*	0	0	*	0	0	0
Tennessee	3,461,773	1,124,264	1,160,050	337,386	360,163	468,898	11,010
Departments							
Department of Agriculture	34,754	12,737	0	0	21,442	0	574
Department of Commerce	330	0	0	0	330	0	0
Department of Defense	847,842	644,976	30,646	133,238	30,330	8,652	0
Department of Education	9,203	0	0	900	4,241	3,800	262
Department of Energy	1,304,514	12,440	1,123,770	127,883	34,223	1,528	4,670
Department of Health and Human Services	668,456	460	616	20,874	200,165	445,640	702
Department of Homeland Security	4,691	425	685	1,820	1,761	0	0
Department of the Interior	9,256	8,530	80	50	425	0	172
Department of Justice	406	0	0	0	406	0	0
Department of Labor	*	*	0	*	0	0	0
Department of Transportation	6,556	0	975	850	100	0	4,631
Department of the Treasury	1,002	*	1,000	0	0	0	0
Department of Veterans Affairs	38,667	38,667	0	0	0	0	0
Other agencies							
Consumer Product Safety Commission	*	*	0	0	0	0	0
Environmental Protection Agency	23,133	0	0	23,133	0	0	0
National Aeronautics and Space Administration	422,009	399,747	0	15,444	6,818	0	0
National Science Foundation	65,731	750	0	3,295	59,912	1,774	0
Nuclear Regulatory Commission	8,001	5,503	2,279	0	0	219	0
Postal Service	228	0	0	228	0	0	0

TABLE 61

Federal obligations for research and experimental development, by state or location, agency, and performer: FY 2021

(Dollars in thousands)

State or location and agency	Total	Intramural		Extramural			
		Federal agencies ^a	FFRDCs	United States and U.S. territories			
				Businesses	Higher education ^b	Nonprofit organizations	State and local governments
Social Security Administration	*	0	0	0	*	0	0
Tennessee Valley Authority	16,942	0	0	9,657	0	7,285	0
Texas	6,131,234	900,062	65,396	2,563,779	2,364,744	174,043	63,210
Departments							
Department of Agriculture	138,506	49,931	0	1,274	85,539	1,662	100
Department of Commerce	11,511	0	0	154	10,163	1,194	0
Department of Defense	2,534,815	276,770	64,555	1,904,298	249,005	40,188	0
Department of Education	24,646	0	0	67	17,197	2,222	5,160
Department of Energy	127,314	*	0	40,612	83,211	1,954	1,536
Department of Health and Human Services	1,728,086	0	0	153,837	1,483,318	56,393	34,539
Department of Homeland Security	13,562	0	0	11,753	1,809	0	0
Department of the Interior	25,587	13,255	0	3,150	6,364	1,350	1,469
Department of Justice	3,311	0	0	0	3,007	0	303
Department of Labor	77	*	0	*	0	0	0
Department of Transportation	30,545	0	0	3,015	5,107	2,346	20,076
Department of the Treasury	*	*	0	0	0	0	0
Department of Veterans Affairs	54,860	54,860	0	0	0	0	0
Other agencies							
Appalachian Regional Commission	*	0	0	0	*	0	0
Consumer Product Safety Commission	*	*	0	0	0	0	0
Environmental Protection Agency	2,886	0	0	2,886	0	0	0
National Aeronautics and Space Administration	1,055,227	505,205	0	436,014	49,565	64,416	*
National Science Foundation	377,760	0	0	5,945	369,498	2,318	0
Nuclear Regulatory Commission	1,791	0	841	0	950	0	0
Postal Service	731	0	0	731	0	0	0
Social Security Administration	*	0	0	0	*	0	0
Utah	2,439,690	208,741	206,351	1,484,197	523,742	11,761	4,897
Departments							
Department of Agriculture	31,998	22,992	0	250	8,656	0	100
Department of Commerce	827	0	0	234	454	0	139
Department of Defense	1,640,157	125,921	0	1,429,880	78,600	5,756	0
Department of Education	900	0	0	900	0	0	0
Department of Energy	259,865	0	206,351	21,659	31,805	50	0
Department of Health and Human Services	259,133	0	0	14,583	240,540	2,876	1,134
Department of the Interior	12,347	10,471	0	*	669	276	907
Department of Labor	*	*	0	*	0	0	0
Department of Transportation	4,044	360	0	1,773	0	0	1,911
Department of the Treasury	*	*	0	0	0	0	0
Department of Veterans Affairs	48,948	48,948	0	0	0	0	0
Other agencies							

TABLE 61

Federal obligations for research and experimental development, by state or location, agency, and performer: FY 2021

(Dollars in thousands)

State or location and agency	Total	Intramural		Extramural			
		Federal agencies ^a	FFRDCs	United States and U.S. territories			
				Businesses	Higher education ^b	Nonprofit organizations	State and local governments
Agency for Global Media	100	0	0	100	0	0	0
Consumer Product Safety Commission	*	*	0	0	0	0	0
Environmental Protection Agency	*	0	0	0	*	*	0
National Aeronautics and Space Administration	32,983	*	0	6,169	26,770	0	0
National Science Foundation	148,282	0	0	8,562	136,220	2,793	706
Postal Service	60	0	0	60	0	0	0
Vermont	244,489	14,305	0	58,473	162,040	127	9,543
Departments							
Department of Agriculture	28,964	5,454	0	0	23,509	0	0
Department of Commerce	811	0	0	0	811	0	0
Department of Defense	34,521	621	0	30,877	2,896	127	0
Department of Education	101	0	0	0	101	0	0
Department of Energy	21,233	0	0	14,456	6,777	0	0
Department of Health and Human Services	78,242	0	0	10,886	59,276	0	8,080
Department of the Interior	2,109	1,186	0	0	825	0	98
Department of Labor	*	*	0	*	0	0	0
Department of Transportation	1,379	0	0	0	*	0	1,366
Department of the Treasury	*	*	0	0	0	0	0
Department of Veterans Affairs	7,043	7,043	0	0	0	0	0
Other agencies							
Consumer Product Safety Commission	*	*	0	0	0	0	0
Environmental Protection Agency	721	0	0	721	0	0	0
National Aeronautics and Space Administration	359	0	0	183	176	0	0
National Science Foundation	68,973	0	0	1,317	67,655	0	0
Postal Service	*	0	0	*	0	0	0
Virginia	9,740,743	2,066,103	580,235	6,385,232	490,072	208,268	10,833
Departments							
Department of Agriculture	26,478	951	0	0	18,901	6,027	600
Department of Commerce	18,836	5,939	0	4,847	7,420	196	433
Department of Defense	7,734,839	1,879,983	385,685	5,331,462	71,506	64,400	1,802
Department of Education	42,486	0	0	311	6,584	35,282	309
Department of Energy	84,086	1,531	0	63,360	16,499	2,696	0
Department of Health and Human Services	555,748	437	13,819	164,006	324,863	52,381	242
Department of Homeland Security	2,415	0	0	2,415	0	0	0
Department of the Interior	99,214	96,710	0	1,560	63	206	675
Department of Justice	4,337	286	0	767	1,150	2,135	0
Department of Labor	78	*	0	68	0	0	0
Department of Transportation	247,841	7,152	84,594	117,306	11,085	20,932	6,772
Department of the Treasury	28,224	*	2,550	25,673	0	0	0

TABLE 61

Federal obligations for research and experimental development, by state or location, agency, and performer: FY 2021

(Dollars in thousands)

State or location and agency	Total	Intramural		Extramural			
		Federal agencies ^a	FFRDCs	United States and U.S. territories			
				Businesses	Higher education ^b	Nonprofit organizations	State and local governments
Department of Veterans Affairs	108,306	19,081	89,225	0	0	0	0
Other agencies							
Administrative Office of the U.S. Courts	4,362	0	4,362	0	0	0	0
Agency for Global Media	497	0	0	497	0	0	0
Agency for International Development	3,550	0	0	0	3,550	0	0
Appalachian Regional Commission	358	0	0	250	0	108	0
Consumer Product Safety Commission	*	*	0	0	0	0	0
Environmental Protection Agency	35,592	0	0	34,789	592	210	0
National Aeronautics and Space Administration	725,709	53,968	0	631,310	16,928	23,503	0
National Science Foundation	9,756	0	0	275	9,288	192	0
Nuclear Regulatory Commission	3,665	0	0	2,165	1,499	0	0
Postal Service	1,169	0	0	1,169	0	0	0
Social Security Administration	3,196	54	0	3,000	143	0	0
Washington	3,735,831	365,155	470,081	1,105,503	912,140	828,150	54,801
Departments							
Department of Agriculture	69,299	35,371	0	67	32,758	1,090	*
Department of Commerce	19,713	1,293	0	282	18,133	*	0
Department of Defense	1,166,173	143,794	19,342	902,996	63,241	36,800	0
Department of Education	7,847	0	0	1,800	3,082	684	2,280
Department of Energy	453,418	3,760	367,343	46,308	29,965	5,377	666
Department of Health and Human Services	1,487,532	1,644	21,380	61,130	589,885	768,242	45,251
Department of Homeland Security	222,280	101,974	51,464	50,034	12,745	5,491	572
Department of the Interior	21,316	16,985	0	424	3,462	0	445
Department of Justice	919	0	0	0	769	0	150
Department of Labor	*	*	0	*	0	0	0
Department of Transportation	12,423	504	0	259	6,233	0	5,426
Department of the Treasury	*	*	0	0	0	0	0
Department of Veterans Affairs	58,260	58,260	0	0	0	0	0
Other agencies							
Consumer Product Safety Commission	*	*	0	0	0	0	0
Environmental Protection Agency	5,940	0	0	1,915	2,970	1,055	0
National Aeronautics and Space Administration	52,393	1,405	0	33,336	16,972	679	0
National Science Foundation	152,255	150	4,740	6,714	131,925	8,726	0
Nuclear Regulatory Commission	5,812	0	5,812	0	0	0	0
Postal Service	225	0	0	225	0	0	0
West Virginia	199,238	43,454	0	43,846	85,262	14,850	11,826

TABLE 61

Federal obligations for research and experimental development, by state or location, agency, and performer: FY 2021

(Dollars in thousands)

State or location and agency	Total	Intramural		Extramural			
		Federal agencies ^a	FFRDCs	United States and U.S. territories			
				Businesses	Higher education ^b	Nonprofit organizations	State and local governments
Departments							
Department of Agriculture	34,213	25,807	0	0	8,367	0	*
Department of Defense	29,565	374	0	28,262	835	94	0
Department of Energy	40,607	0	0	12,015	25,030	3,509	54
Department of Health and Human Services	67,786	10,593	0	1,848	46,245	0	9,100
Department of Homeland Security	396	0	0	396	0	0	0
Department of the Interior	5,543	4,825	0	0	453	0	265
Department of Justice	327	0	0	0	327	0	0
Department of Labor	*	*	0	*	0	0	0
Department of Transportation	2,088	0	0	74	400	0	1,614
Department of the Treasury	*	*	0	0	0	0	0
Department of Veterans Affairs	1,093	1,093	0	0	0	0	0
Other agencies							
Appalachian Regional Commission	111	0	0	0	111	0	0
Consumer Product Safety Commission	*	*	0	0	0	0	0
Environmental Protection Agency	*	0	0	0	*	*	0
National Aeronautics and Space Administration	4,444	760	0	831	2,853	0	0
National Science Foundation	12,880	0	0	276	613	11,237	754
Nuclear Regulatory Commission	127	0	0	127	0	0	0
Postal Service	*	0	0	*	0	0	0
Wisconsin	989,462	63,909	0	122,281	744,515	46,037	12,720
Departments							
Department of Agriculture	63,504	39,466	0	0	23,221	817	0
Department of Commerce	1,303	98	0	78	1,127	0	0
Department of Defense	140,754	10,504	0	76,076	52,014	2,160	0
Department of Energy	78,110	*	0	12,008	63,588	1,075	1,406
Department of Health and Human Services	560,784	0	0	21,927	488,765	41,674	8,418
Department of Homeland Security	9,722	0	0	9,222	500	0	0
Department of the Interior	14,020	13,375	0	50	259	0	336
Department of Labor	*	*	0	*	0	0	0
Department of Transportation	3,048	*	0	*	444	0	2,560
Department of the Treasury	*	*	0	0	0	0	0
Department of Veterans Affairs	403	403	0	0	0	0	0
Other agencies							
Consumer Product Safety Commission	*	*	0	0	0	0	0
Environmental Protection Agency	1,186	0	0	0	875	311	0

TABLE 61

Federal obligations for research and experimental development, by state or location, agency, and performer: FY 2021

(Dollars in thousands)

State or location and agency	Total	Intramural		Extramural			
		Federal agencies ^a	FFRDCs	United States and U.S. territories			
				Businesses	Higher education ^b	Nonprofit organizations	State and local governments
National Aeronautics and Space Administration	14,892	0	0	239	14,653	0	0
National Science Foundation	101,705	0	0	2,635	99,070	0	0
Postal Service	*	0	0	*	0	0	0
Wyoming	196,837	49,421	5,170	71,013	65,688	2,155	3,390
Departments							
Department of Agriculture	4,443	0	0	724	3,597	122	0
Department of Commerce	428	0	0	0	250	0	178
Department of Defense	94,807	2,460	5,170	68,622	18,071	484	0
Department of Energy	14,884	0	0	336	14,548	0	0
Department of Health and Human Services	35,665	21,234	0	233	12,517	1,529	152
Department of the Interior	26,644	25,723	0	89	557	*	255
Department of Labor	*	*	0	*	0	0	0
Department of Transportation	2,805	0	0	0	0	0	2,805
Department of the Treasury	*	*	0	0	0	0	0
Other agencies							
Consumer Product Safety Commission	*	*	0	0	0	0	0
National Science Foundation	17,155	0	0	1,007	16,149	0	0
Postal Service	*	0	0	*	0	0	0
Outlying areas	228,980	39,463	0	48,315	109,160	24,042	7,999
Departments							
Department of Agriculture	20,962	4,994	0	66	15,902	0	0
Department of Commerce	3,918	0	0	253	3,665	0	0
Department of Defense	82,737	9,325	0	45,610	4,014	23,788	0
Department of Education	3,574	0	0	900	2,674	0	0
Department of Energy	545	0	0	275	250	0	*
Department of Health and Human Services	56,319	2,429	0	1,134	50,059	247	2,450
Department of the Interior	6,651	964	0	0	157	0	5,529
Department of Justice	310	0	0	0	310	0	0
Department of Labor	*	*	0	*	0	0	0
Department of the Treasury	*	*	0	0	0	0	0
Department of Veterans Affairs	21,747	21,747	0	0	0	0	0
Other agencies							
Consumer Product Safety Commission	*	*	0	0	0	0	0
Environmental Protection Agency	*	0	0	0	*	*	0
National Science Foundation	29,895	0	0	50	29,845	0	0
Nuclear Regulatory Commission	625	0	0	0	625	0	0
Postal Service	*	0	0	*	0	0	0
Social Security Administration	1,637	0	0	0	1,637	0	0
Puerto Rico	120,136	29,058	0	3,528	84,957	*	2,586
Departments							
Department of Agriculture	13,038	4,873	0	66	8,099	0	0

TABLE 61

Federal obligations for research and experimental development, by state or location, agency, and performer: FY 2021

(Dollars in thousands)

State or location and agency	Total	Intramural		Extramural			
		Federal agencies ^a	FFRDCs	United States and U.S. territories			
				Businesses	Higher education ^b	Nonprofit organizations	State and local governments
Department of Commerce	3,918	0	0	253	3,665	0	0
Department of Defense	4,768	1,473	0	1,098	2,197	0	0
Department of Education	3,574	0	0	900	2,674	0	0
Department of Energy	250	0	0	0	250	0	0
Department of Health and Human Services	51,453	0	0	1,134	48,070	0	2,249
Department of the Interior	1,455	961	0	0	157	0	336
Department of Justice	310	0	0	0	310	0	0
Department of Labor	*	*	0	*	0	0	0
Department of the Treasury	*	*	0	0	0	0	0
Department of Veterans Affairs	21,747	21,747	0	0	0	0	0
Other agencies							
Consumer Product Safety Commission	*	*	0	0	0	0	0
Environmental Protection Agency	*	0	0	0	*	*	0
National Science Foundation	17,301	0	0	50	17,251	0	0
Nuclear Regulatory Commission	625	0	0	0	625	0	0
Postal Service	*	0	0	*	0	0	0
Social Security Administration	1,637	0	0	0	1,637	0	0
Other areas ^c	108,844	10,405	0	44,788	24,203	24,035	5,413
Departments							
Department of Agriculture	7,924	121	0	0	7,803	0	0
Department of Defense	77,969	7,852	0	44,512	1,817	23,788	0
Department of Energy	295	0	0	275	0	0	*
Department of Health and Human Services	4,865	2,429	0	0	1,989	247	201
Department of the Interior	5,196	*	0	0	0	0	5,193
Department of Labor	*	*	0	*	0	0	0
Other agencies							
National Science Foundation	12,594	0	0	0	12,594	0	0
Postal Service	*	0	0	*	0	0	0
Offices abroad ^d	179,044	106,203	0	66,029	5,294	1,358	159
Departments							
Department of Agriculture	477	352	0	0	*	0	125
Department of Commerce	300	0	0	0	300	0	0
Department of Defense	111,237	41,846	0	65,904	3,242	245	0
Department of Health and Human Services	2,173	0	0	0	1,026	1,113	*
Department of the Interior	125	0	0	0	125	0	0
Department of Labor	*	*	0	*	0	0	0
Department of State	64,000	64,000	0	0	0	0	0
Department of the Treasury	*	*	0	0	0	0	0
Other agencies							
Consumer Product Safety Commission	*	*	0	0	0	0	0

TABLE 61

Federal obligations for research and experimental development, by state or location, agency, and performer: FY 2021

(Dollars in thousands)

State or location and agency	Total	Intramural		Extramural			
		Federal agencies ^a	FFRDCs	United States and U.S. territories			
				Businesses	Higher education ^b	Nonprofit organizations	State and local governments
National Aeronautics and Space Administration	726	0	0	125	601	0	0
Postal Service	*	0	0	*	0	0	0
Undistributed ^e	5,176,678	4,912,358	4,544	251,431	0	8,344	0
Departments							
Department of Defense	5,176,678	4,912,358	4,544	251,431	0	8,344	0

* = amount greater than \$0 but less than \$50,000.

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 non-federal 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 Includes American Samoa, Baker Island, Guam, Howland Island, Jarvis Island, Johnston Atoll, Kingman Reef, Midway Islands, Navassa Island, Northern Mariana Islands, Palmyra Atoll, U.S. Virgin Islands, and Wake Island.^d Includes R&D performed or administered in foreign countries by the U.S. government.^e Undistributed totals include Department of Defense obligations for which the location of performance is not reported.**Note(s):**

Because of rounding, detail may not add to total. As of volume 71 (FYs 2021–22), FFRDCs are classified as intramural R&D performers, whereas they were extramural in previous volumes; therefore, data are not directly comparable across volumes. Past years in the trend tables have been adjusted to reflect the current classification of FFRDCs. Only those agencies and subdivisions that had obligations in variables represented by this table appear in the table. FY 2021 obligations include additional funding provided by supplemental COVID-19 pandemic-related appropriations (e.g., Coronavirus Aid, Relief, and Economic Security [CARES] Act). See technical table A-2 for additional notes associated with the agencies listed in this table.

Source(s):

National Center for Science and Engineering Statistics, Survey of Federal Funds for Research and Development, FYs 2021–22.