

TABLE 60

Federal obligations for research and experimental development, by state or location and agency: FY 2022

(Dollars in thousands)

State or location	Total	DHS	DOC	DOD	DOE	DOI	DOT	EPA	HHS	NASA	NSF	USDA	Other ^a
All locations	189,604,388	567,226	2,009,017	72,112,214	13,694,649	939,385	1,070,122	525,457	73,680,855	11,597,024	6,874,499	3,128,967	3,404,973
Alabama	4,086,585	8,583	14,312	3,041,448	36,551	3,952	14,342	114	385,897	442,848	57,121	57,226	24,190
Alaska	272,508	176	9,424	73,064	6,060	61,847	7,172	725	21,697	24,969	50,284	15,090	2,000
Arizona	2,387,850	5,066	4,303	1,536,478	25,393	34,351	8,160	8	390,181	106,572	232,481	31,163	13,694
Arkansas	268,319	0	0	58,239	4,146	8,024	2,620	0	101,024	1,099	27,786	50,301	15,079
California	23,272,011	44,302	37,139	9,144,281	2,810,097	70,910	34,077	18,461	6,201,910	3,466,068	892,725	160,025	392,017
Colorado	4,638,849	2,957	214,489	2,327,477	511,241	77,736	14,629	11,004	570,677	465,659	345,622	61,175	36,183
Connecticut	2,642,331	4,389	7,127	1,581,930	51,016	1,126	5,316	203	732,294	127,149	62,920	17,004	51,856
Delaware	340,648	122	16,562	156,085	17,975	1,382	1,008	114	83,973	9,584	39,391	12,408	2,043
District of Columbia	33,916,947	31,733	41,261	3,569,978	692,580	20,100	163,645	107,549	26,085,754	1,531,141	242,323	342,521	1,088,364
Florida	4,249,966	8,097	37,788	2,689,320	38,049	58,375	24,555	10,776	854,924	164,422	207,850	91,271	64,541
Georgia	1,821,438	5,023	9,421	460,956	48,978	3,351	33,759	10,916	910,819	28,628	148,098	109,429	52,060
Hawaii	371,193	994	5,453	189,922	8,446	7,519	1,510	0	60,062	29,896	40,569	24,726	2,096
Idaho	702,352	3,928	0	126,682	461,377	11,201	1,134	215	23,642	3,312	22,000	38,496	10,366
Illinois	3,468,724	15,614	8,060	471,169	1,258,264	7,890	14,197	2,306	1,208,255	41,164	302,831	64,980	73,994
Indiana	1,277,050	255	7,822	618,469	35,861	9,221	4,658	862	361,163	19,769	151,918	33,693	33,359
Iowa	760,960	250	238	201,554	48,501	1,076	16,384	5,210	217,244	108,293	47,818	85,612	28,781
Kansas	445,052	200	6,773	61,836	10,065	5,862	3,242	0	127,810	14,728	38,765	163,811	11,959
Kentucky	413,477	0	125	30,158	44,593	2,236	3,944	27	248,409	6,890	32,215	30,308	14,571
Louisiana	512,246	0	2,505	117,749	8,964	24,231	5,027	2,814	227,508	5,753	53,468	54,744	9,482
Maine	229,928	0	6,010	36,977	991	3,441	1,911	0	115,055	10,584	34,151	20,588	221
Maryland	20,258,939	21,667	1,250,090	5,472,538	101,971	44,574	20,872	7,419	11,012,733	1,668,193	372,397	207,627	78,857
Massachusetts	8,495,312	39,749	42,889	3,441,904	177,511	16,677	216,545	19,820	3,638,827	202,476	459,686	41,794	197,433
Michigan	2,389,976	1,370	8,417	930,149	179,997	11,276	9,160	1,724	919,445	45,338	187,894	29,535	65,671
Minnesota	1,239,047	96	10,244	203,777	29,649	9,564	9,326	11,155	786,531	9,171	84,378	51,761	33,395
Mississippi	1,149,978	15,982	18,373	823,935	2,898	3,669	4,646	0	69,621	60,898	20,542	124,551	4,864
Missouri	1,837,946	6,039	1,510	687,439	85,211	25,680	13,642	3,217	788,880	52,566	72,130	63,678	37,955
Montana	291,606	15,470	520	67,433	8,339	23,113	1,969	0	102,353	10,906	30,315	30,962	225
Nebraska	325,071	11,354	368	29,814	7,298	1,004	3,579	0	151,915	3,510	48,196	54,566	13,466
Nevada	519,765	1,383	3,015	176,001	179,652	12,780	992	0	47,044	55,645	29,418	7,516	6,318
New Hampshire	444,718	330	12,632	218,708	7,331	3,077	333	0	119,975	32,160	35,012	10,224	4,936
New Jersey	3,386,124	2,903	12,838	2,427,421	164,103	3,248	26,232	3,290	538,880	41,120	129,414	9,464	27,211
New Mexico	3,484,393	43,994	1,036	1,235,144	1,884,274	6,919	13,359	181	121,807	61,832	46,850	21,839	47,160
New York	6,726,319	4,657	23,374	1,206,859	1,183,622	12,268	15,930	2,346	3,484,005	151,111	466,529	67,633	107,986
North Carolina	3,724,189	7,800	24,923	315,663	83,592	13,251	9,985	125,427	2,814,428	10,644	169,868	66,855	81,753
North Dakota	153,360	0	90	28,220	10,172	3,012	7,449	7	32,209	828	15,122	56,011	238

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(Dollars in thousands)

State or location	Total	DHS	DOC	DOD	DOE	DOI	DOT	EPA	HHS	NASA	NSF	USDA	Other ^a
Ohio	8,242,542	16,209	1,374	6,709,129	63,397	9,888	29,975	62,810	980,871	147,926	114,376	55,236	51,353
Oklahoma	458,390	1,304	18,553	79,584	28,085	62,418	13,797	6,946	140,342	23,012	40,088	34,985	9,277
Oregon	812,145	550	4,974	71,578	51,123	21,515	6,726	10,489	398,675	11,658	91,628	81,642	61,587
Pennsylvania	4,911,808	11,176	11,961	1,578,904	419,012	11,108	50,907	11,004	2,310,525	83,499	271,200	78,487	74,025
Rhode Island	894,706	0	22,701	521,198	6,667	321	2,122	9,272	256,652	4,647	41,100	3,036	26,989
South Carolina	1,162,399	4,751	13,484	686,757	91,455	1,580	4,787	415	241,852	5,078	36,860	33,368	42,010
South Dakota	134,466	0	91	15,588	28,945	15	1,749	0	35,677	16,861	21,254	13,703	583
Tennessee	3,385,285	8,719	736	516,876	1,508,675	8,609	8,195	41,412	679,140	402,392	80,405	49,050	81,074
Texas	5,475,314	16,410	12,415	2,032,364	141,202	15,670	36,520	4,637	1,769,766	807,147	393,900	145,542	99,741
Utah	3,196,264	318	1,000	2,580,287	61,765	12,715	2,666	181	292,838	88,512	74,185	31,708	50,089
Vermont	161,740	2,320	3,118	18,986	3,921	2,094	2,453	0	81,841	839	12,064	26,326	7,777
Virginia	10,144,002	194,762	14,816	7,356,864	341,095	109,301	171,822	27,128	704,826	879,323	156,981	42,558	144,525
Washington	3,576,461	3,600	50,195	951,429	608,056	22,476	15,466	2,077	1,517,651	81,507	168,276	75,796	79,933
West Virginia	212,282	720	3,223	38,603	17,831	5,803	2,599	550	81,150	3,748	13,261	42,415	2,378
Wisconsin	1,115,331	0	7,884	212,637	88,003	15,084	2,865	2,647	558,459	23,659	112,578	81,451	10,064
Wyoming	80,466	259	0	1,179	9,751	29,094	2,164	0	13,550	1,732	19,495	3,242	0
Outlying areas	142,474	577	3,363	4,650	0	6,524	0	0	54,529	63	28,762	21,833	22,173
Puerto Rico	101,838	575	2,115	1,997	0	1,413	0	0	45,895	0	16,092	11,828	21,923
Other areas ^b	40,636	2	1,248	2,653	0	5,111	0	0	8,634	63	12,670	10,005	250
Offices abroad ^c	20,507	1,068	0	4,192	900	1,226	0	0	5,558	495	0	0	7,068
Undistributed ^d	4,972,632	NA	NA	4,972,632	NA	NA	NA	NA	NA	NA	NA	NA	NA

NA = not available; data were not collected at that level for that fiscal year.

DHS = Department of Homeland Security; DOC = Department of Commerce; DOD = Department of Defense; DOE = Department of Energy; DOI = Department of the Interior; DOT = Department of Transportation; EPA = Environmental Protection Agency; HHS = Department of Health and Human Services; NASA = National Aeronautics and Space Administration; NSF = National Science Foundation; USDA = Department of Agriculture.

^a Includes data for the Departments of Education, Justice, Labor, State, the Treasury, and Veterans Affairs; the Administrative Office of the U.S. Courts; the Agency for Global Media; the Agency for International Development; the Appalachian Regional Commission; the Consumer Product Safety Commission; the Federal Trade Commission; the Library of Congress; the Nuclear Regulatory Commission; the Patient-Centered Outcomes Research Trust Fund; the Postal Service; the Smithsonian Institution; the Social Security Administration; and the Tennessee Valley Authority.^b 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.^c Includes R&D performed or administered in foreign countries by the U.S. government.^d 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. FY 2022 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 2022–23.