

Table 55. Federal obligations for research and experimental development to non-U.S. performers, by region, country, or economy and agency: FY 2024

(Dollars in thousands)

Region, country, or economy	Total	DHS	DOD	DOE	HHS	NASA	NSF	USDA	Other ^a
All areas and organizations	1,098,440	6,758	636,746	2,880	325,854	20,877	12,052	9,579	83,694
Africa	114,152	587	12,656	84	99,378	38	0	1,209	200
Botswana	2,604	0	35	0	2,569	0	0	0	0
Cameroon	1,874	0	0	0	1,874	0	0	0	0
Congo, Democratic Republic of the	1,030	0	0	0	1,030	0	0	0	0
Egypt	534	0	0	0	534	0	0	0	0
Ethiopia	383	0	0	0	383	0	0	0	0
Gambia, The	692	400	181	0	111	0	0	0	0
Ghana	4,137	0	36	84	3,817	0	0	0	200
Kenya	22,273	0	10,980	0	10,947	0	0	345	0
Malawi	1,477	0	0	0	1,477	0	0	0	0
Mali	2,403	0	0	0	2,403	0	0	0	0
Morocco	174	0	174	0	0	0	0	0	0
Mozambique	848	0	0	0	848	0	0	0	0
Nigeria	8,186	0	473	0	7,713	0	0	0	0
Rwanda	675	0	0	0	675	0	0	0	0
Sao Tome and Principe	38	0	0	0	0	38	0	0	0
South Africa	45,515	0	739	0	44,194	0	0	582	0
Tanzania	3,155	0	0	0	3,155	0	0	0	0
Tunisia	144	0	0	0	144	0	0	0	0
Uganda	14,395	0	37	0	14,076	0	0	282	0
Zambia	1,887	0	0	0	1,887	0	0	0	0
Zimbabwe	1,538	0	0	0	1,538	0	0	0	0
African countries, other	187	187	0	0	0	0	0	0	0
Asia	404,282	0	377,976	0	21,779	495	310	2,987	734
Armenia	44	0	44	0	0	0	0	0	0
Bahrain	5	0	5	0	0	0	0	0	0
Bangladesh	4,635	0	0	0	4,596	0	0	40	0
Cambodia	1,133	0	0	0	1,133	0	0	0	0
China	1,899	0	0	0	1,875	0	0	0	24
Cyprus	120	0	0	0	0	0	120	0	0
Georgia	1,076	0	780	0	296	0	0	0	0
India	1,313	0	266	0	1,047	0	0	0	0
Indonesia	311	0	0	0	311	0	0	0	0
Israel	364,926	0	359,703	0	2,288	14	190	2,731	0
Japan	1,373	0	939	0	0	418	0	0	16
Jordan	289	0	0	0	289	0	0	0	0
Korea, South	1,602	0	1,354	0	0	60	0	188	0

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Lebanon	1,673	0	0	0	989	0	0	0	684
Malaysia	2,111	0	1,607	0	504	0	0	0	0
Mongolia	616	0	327	0	289	0	0	0	0
Oman	150	0	150	0	0	0	0	0	0
Pakistan	1,859	0	0	0	1,859	0	0	0	0
Philippines	110	0	105	0	0	0	0	0	5
Singapore	2,426	0	2,421	0	0	0	0	0	4
Taiwan	2,098	0	223	0	1,873	2	0	0	0
Thailand	13,819	0	9,479	0	4,340	0	0	0	0
Turkey	420	0	419	0	0	2	0	0	0
United Arab Emirates	1	0	1	0	0	0	0	0	0
Vietnam	273	0	152	0	92	0	0	29	0
Europe	230,522	3,171	78,350	2,616	112,735	15,047	1,991	1,630	14,982
Austria	4,568	0	2,102	80	674	0	0	0	1,712
Belgium	4,830	0	2,577	0	2,199	46	0	0	9
Croatia	286	0	286	0	0	0	0	0	0
Czechia	331	0	198	0	0	133	0	0	1
Denmark	1,168	5	1,142	0	0	20	0	0	0
Estonia	1,180	0	1,120	0	0	60	0	0	0
Finland	7,348	0	3,591	0	3,757	0	0	0	0
France	10,657	0	843	1,226	7,399	418	190	18	562
Germany	38,892	0	3,421	25	16,307	10,763	1,149	256	6,971
Greece	501	0	391	0	0	0	0	0	111
Hungary	91	0	91	0	0	0	0	0	0
Iceland	203	199	3	0	0	0	0	0	0
Ireland	8,306	0	7,520	0	785	0	0	0	2
Italy	6,596	0	4,607	0	564	1,117	0	306	3
Lithuania	1	0	0	0	0	0	0	0	1
Netherlands	8,306	198	2,089	354	5,583	13	0	55	16
Norway	3,462	0	1,203	620	74	1,565	0	0	0
Poland	880	0	864	0	0	0	0	16	0
Portugal	19	0	15	0	0	0	0	0	4
Slovakia	199	199	0	0	0	0	0	0	0
Slovenia	89	0	80	0	0	9	0	0	0
Spain	1,871	0	882	0	103	0	0	884	2
Sweden	4,994	0	1,824	35	2,925	210	0	0	0
Switzerland	55,951	0	4,988	0	45,166	507	0	0	5,290
Ukraine	142	0	53	0	89	0	0	0	0

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United Kingdom	69,623	2,570	38,434	276	27,110	186	652	95	300
European countries, other	26	0	26	0	0	0	0	0	0
North America	118,413	2,799	47,630	0	51,206	3,464	7,388	1,487	4,439
Bahamas, The	12,266	0	12,266	0	0	0	0	0	0
Bermuda	4,711	0	9	0	0	0	4,701	0	0
Canada	88,793	261	34,936	0	42,051	3,455	2,687	965	4,439
Costa Rica	4,964	0	49	0	4,805	0	0	111	0
Dominican Republic	21	0	21	0	0	0	0	0	0
Greenland	99	0	89	0	0	10	0	0	0
Guatemala	73	0	0	0	73	0	0	0	0
Haiti	2,425	0	0	0	2,425	0	0	0	0
Jamaica	123	0	0	0	123	0	0	0	0
Mexico	641	0	210	0	378	0	0	53	0
Panama	191	0	50	0	0	0	0	141	0
Trinidad and Tobago	1,569	0	0	0	1,351	0	0	218	0
North American countries, other	2,538	2,538	0	0	0	0	0	0	0
Oceania	76,338	200	46,756	180	26,322	1,292	0	1,285	302
Australia	71,983	200	44,601	180	25,087	550	0	1,263	102
New Zealand	4,332	0	2,155	0	1,235	742	0	0	200
Palau	22	0	0	0	0	0	0	22	0
South America	17,633	0	1,829	0	14,434	541	0	826	4
Argentina	2,014	0	20	0	1,253	0	0	741	0
Bolivia	17	0	17	0	0	0	0	0	0
Brazil	4,449	0	586	0	3,485	340	0	35	3
Chile	1,690	0	920	0	750	0	0	20	0
Colombia	654	0	40	0	613	0	0	0	1
Ecuador	135	0	0	0	135	0	0	0	0
Peru	8,428	0	0	0	8,197	201	0	30	0
Suriname	150	0	150	0	0	0	0	0	0
Uruguay	97	0	97	0	0	0	0	0	0
International organizations	137,100	0	71,549	0	0	0	2,362	155	63,034

DHS = Department of Homeland Security; DOD = Department of Defense; DOE = Department of Energy; HHS = Department of Health and Human Services; NASA = National Aeronautics and Space Administration; NSF = National Science Foundation; USDA = Department of Agriculture.

^a Other includes data for the Departments of Commerce, the Interior, Transportation, and the Treasury; the Agency for International Development; the Environmental Protection Agency; and the Nuclear Regulatory Commission.

Note(s):

Because of rounding, detail may not add to total. Only those regions, countries, or economies 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.