

TABLE 25

Federal funding for R&D plus capital R&D, by GBARD socioeconomic objectives: FYs 2000–23

(Millions of dollars)

Fiscal year	Note: R&D funds	Note: Capital R&D funds	Total for all socioeconomic categories	1. Exploration and exploitation of the Earth	2. Environment	3. Exploration and exploitation of space	4. Transport, telecommunication, and other infrastructures	5. Energy	6. Industrial production and technology	7. Health	8. Agriculture	9. Education	10. Culture, recreation, religion, and mass media	11. Political and social systems, structures, and processes	12. General advancement of knowledge: R&D financed from GUF ^a	13. General advancement of knowledge: R&D financed from sources other than GUF	14. Defense
2000	67,764	4,917	72,681	868	537	8,437	1,710	1,031	530	18,766	2,155	NA	NA	NA	0	5,593	32,261
2001	73,789	4,749	78,538	896	574	8,951	1,708	1,320	468	21,741	2,452	NA	NA	NA	0	6,353	33,235
2002	83,232	5,433	88,665	997	592	9,227	1,939	1,332	549	24,754	2,494	NA	NA	NA	0	6,605	39,339
2003	93,246	5,521	98,767	989	567	9,677	1,917	1,403	463	27,335	2,303	NA	NA	NA	0	6,129	46,949
2004	101,843	4,403	106,246	1,027	662	9,746	1,948	1,370	479	29,346	2,466	NA	NA	NA	0	7,352	50,320
2005	106,674	4,658	111,332	1,053	641	9,656	1,918	1,324	468	29,871	2,646	NA	NA	NA	0	7,477	54,714
2006	110,047	4,395	114,442	1,045	622	10,401	1,787	1,244	459	29,702	2,670	NA	NA	NA	0	7,539	57,160
2007	113,888	3,803	117,691	965	738	10,988	1,436	1,922	487	31,080	2,325	449	19	769	0	8,712	57,802
2008	112,432	4,278	116,710	1,300	548	10,672	1,475	2,076	518	31,054	2,332	428	19	756	0	9,007	56,493
2009	128,316	8,283	136,599	1,677	565	9,060	1,536	3,794	963	43,926	2,629	464	25	754	0	14,128	57,046
2010	117,016	2,366	119,382	867	599	8,232	1,640	2,570	1,105	34,206	2,628	491	34	468	0	10,776	55,765
2011	111,464	1,922	113,386	1,315	584	8,658	1,518	2,265	532	33,536	2,211	546	27	585	0	10,581	51,027
2012	114,509	2,287	116,796	1,325	569	10,801	1,591	2,231	557	33,924	2,386	565	26	562	0	10,536	51,662
2013	107,992	1,616	109,608	1,282	540	10,476	1,439	2,289	596	32,454	2,160	486	25	1,283	0	9,620	46,894
2014	109,890	2,612	112,502	1,403	545	11,228	1,364	2,407	655	33,451	2,442	469	27	1,867	0	10,524	46,109
2015	112,766	2,454	115,220	1,444	528	10,928	1,479	3,173	669	33,443	2,540	525	27	1,436	0	11,088	47,927
2016	123,514	2,579	126,093	1,565	520	12,811	1,451	3,492	762	35,891	2,738	505	27	1,219	0	11,328	53,782
2017	124,709	2,597	127,306	1,653	505	10,187	1,586	3,544	750	37,862	2,668	505	27	1,289	0	11,289	55,441
2018	140,700	3,759	144,459	1,688	537	10,552	1,861	4,233	973	40,660	2,698	614	26	564	0	12,559	67,494
2019	145,615	4,356	149,971	1,799	521	10,133	1,895	4,473	763	42,568	3,086	587	27	593	0	13,165	70,361
2020	163,875	6,026	169,901	1,778	556	14,206	1,926	4,539	821	48,055	3,061	581	28	596	0	13,659	80,095
2021	157,611	4,274	161,885	2,519	574	11,566	1,911	4,529	952	44,941	3,222	588	28	521	0	14,150	76,384
2022 preliminary	165,292	4,645	169,937	2,777	573	11,923	2,111	8,036	826	46,205	3,273	731	28	531	0	14,563	78,361
2023 proposed	186,738	4,741	191,479	3,362	644	12,778	2,388	9,331	1,082	50,898	3,994	740	34	554	0	16,041	89,634

NA = not available.

GBARD = government budget allocations for R&D; GUF = general university funds.

^a Unlike many other countries, the United States does not support R&D by higher education institutions through large block grants to cover administrative, teaching, and research costs. Accordingly, the data entries for the United States in this column are always zero.

Note(s):

Detail may not add to total because of rounding. The data in this table reflect an estimated adjustment to the previously published 2000–16 time series totals (in tables 23 and 24) applying the narrowed definition of *development* described by the Office of Management and Budget in its Circular A-11 of July 2016. The 14 socioeconomic objectives categories listed are those identified by the European Union in the 2007 edition of its *Nomenclature for the Analysis and Comparison of Scientific Programmes and Budgets* (NABS). The NABS categories are the basis of the GBARD indicators that the Organisation for Economic Co-operation and Development reports for member countries and selected others in its twice-yearly *Main Science and Technology Indicators* reports. U.S. data for objectives 9, 10, and 11 are not reported for 2000–06 because the NABS category revisions of 2007 and equivalent data for these earlier years were not available. The lack of availability of details for these objectives is the main reason that the sum of the reported details for 2000-06 do not add to the "R&D plus capital R&D" totals.

Source(s):

National Center for Science and Engineering Statistics, reclassification (2022) according to NABS category definitions of R&D funding from agencies' submissions to OMB per MAX Schedule C, agencies' budget justification documents, and supplemental data obtained from agencies' budget offices.