

TABLE 1

Federal budget authority for R&D and R&D plant, by budget function, ordered by FY 2020 R&D and R&D plant total: FYs 2021–23

(Millions of dollars and percent change)

Budget function	2021 actual ^a	2022 preliminary ^b	2023 proposed	2021–22 (% change)	2022–23 (% change)
R&D and R&D plant	161,885	169,937	191,479	5.0	12.7
National defense	78,368	80,425	90,103	2.6	12.0
Health	41,090	42,116	48,326	2.5	14.7
General science and basic research	14,150	14,563	16,041	2.9	10.1
Space flight, research, and supporting activities	11,566	11,923	12,778	3.1	7.2
Energy	4,529	8,036	9,331	77.4	16.1
Natural resources and environment	3,637	3,977	4,668	9.3	17.4
Agriculture	2,800	2,764	3,474	-1.3	25.7
Transportation	1,720	1,931	2,189	12.3	13.4
Veterans benefits and services	1,436	1,436	1,655	0.0	15.3
Commerce and housing credit	1,081	962	1,339	-11.0	39.2
Education, training, employment, and social services	588	731	740	24.3	1.2
Administration of justice	475	629	486	32.4	-22.7
International affairs	230	233	228	1.3	-2.1
Community and regional development	104	102	25	-1.9	-75.5
Income security	91	90	90	-1.1	0.0
Medicare	20	20	7	0.0	-65.0
R&D	157,611	165,292	186,738	4.9	13.0
National defense	77,219	79,387	89,120	2.8	12.3
Health	40,877	41,824	47,984	2.3	14.7
General science and basic research	12,118	12,304	14,027	1.5	14.0
Space flight, research, and supporting activities	11,512	11,866	12,670	3.1	6.8
Energy	4,381	7,751	8,989	76.9	16.0
Natural resources and environment	3,395	3,644	4,294	7.3	17.8
Agriculture	2,556	2,575	3,130	0.7	21.6
Transportation	1,685	1,892	2,148	12.3	13.5
Veterans benefits and services	1,436	1,436	1,655	0.0	15.3
Commerce and housing credit	958	845	1,182	-11.8	39.9
Education, training, employment, and social services	554	695	704	25.5	1.3
Administration of justice	475	629	486	32.4	-22.7
International affairs	230	233	228	1.3	-2.1
Community and regional development	104	102	25	-1.9	-75.5
Income security	91	90	90	-1.1	0.0
Medicare	20	20	7	0.0	-65.0
R&D plant	4,274	4,645	4,741	8.7	2.1
National defense	1,149	1,038	983	-9.7	-5.3
Health	213	292	342	37.1	17.1
General science and basic research	2,032	2,259	2,014	11.2	-10.8
Space flight, research, and supporting activities	54	57	108	5.6	89.5
Energy	148	285	342	92.6	20.0
Natural resources and environment	242	333	374	37.6	12.3
Agriculture	244	189	344	-22.5	82.0
Transportation	35	39	41	11.4	5.1
Veterans benefits and services	0	0	0	-	-
Commerce and housing credit	123	117	157	-4.9	34.2
Education, training, employment, and social services	34	36	36	5.9	0.0
Administration of justice	0	0	0	-	-

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Budget function	2021 actual ^a	2022 preliminary ^b	2023 proposed	2021–22 (% change)	2022–23 (% change)
International affairs	0	0	0	-	-
Community and regional development	0	0	0	-	-
Income security	0	0	0	-	-
Medicare	0	0	0	-	-

^a Agencies in several functions received emergency COVID-19 funding for R&D and/or R&D plant in FY 2021. This funding may be included in the above figures, though it is not clear in all cases.

^b The preliminary data available from the agencies for FY 2022 at the time of this report reflect mainly the continuing resolution funding levels that existed through mid-March 2022 and not yet those of the finalized appropriations enacted shortly thereafter.

Note(s):

Detail may not add to total because of rounding. Percent change is calculated on unrounded data.

Source(s):

Agencies' submissions to the Office of Management and Budget (OMB) per MAX Schedule C, agencies' budget justification documents, supplemental data obtained from agencies' budget offices, and Executive Office of the President, OMB, *Budget of the United States Government, Fiscal Year 2023*.