

TABLE 1

**Federal budget authority for R&D and R&D plant, by budget function, ordered by FY 2017 R&D and R&D plant total: FYs 2017–19**

(Millions of dollars and percent change)

Budget function	2017 actual	2018 preliminary <sup>a</sup>	2019 proposed <sup>b</sup>	2017–18 (% change)	2018–19 (% change)
R&D and R&D plant	127,306	130,541	123,767	2.5	-5.2
National defense	57,530	61,088	66,027	6.2	8.1
Health	34,393	34,572	25,259	0.5	-26.9
General science and basic research	11,289	11,337	11,456	0.4	1.0
Space flight, research, and supporting activities	10,187	9,735	10,163	-4.4	4.4
Energy	3,544	3,508	2,027	-1.0	-42.2
Natural resources and environment	2,533	2,582	1,876	1.9	-27.3
Agriculture	2,302	2,206	2,063	-4.2	-6.5
Transportation	1,479	1,473	1,344	-0.4	-8.7
Veterans benefits and services	1,346	1,338	1,345	-0.6	0.5
Commerce and housing credit	1,036	1,087	811	5.0	-25.4
Administration of justice	707	656	495	-7.2	-24.5
Education, training, employment, and social services	505	485	596	-4.0	22.9
International affairs	289	322	117	11.4	-63.7
Income security	74	63	105	-14.9	66.7
Community and regional development	71	70	65	-1.4	-7.1
Medicare	21	19	17	-9.5	-10.5
R&D	124,710	128,107	120,638	2.7	-5.8
National defense	57,055	60,775	65,329	6.5	7.5
Health	34,255	34,379	25,014	0.4	-27.2
General science and basic research	9,947	10,050	9,982	1.0	-0.7
Space flight, research, and supporting activities	10,134	9,713	10,109	-4.2	4.1
Energy	3,519	3,483	2,008	-1.0	-42.3
Natural resources and environment	2,378	2,389	1,691	0.4	-29.2
Agriculture	2,090	1,994	1,762	-4.6	-11.6
Transportation	1,444	1,439	1,308	-0.4	-9.1
Veterans benefits and services	1,346	1,338	1,345	-0.6	0.5
Commerce and housing credit	901	953	745	5.8	-21.8
Administration of justice	707	656	490	-7.2	-25.3
Education, training, employment, and social services	478	463	550	-3.1	18.8
International affairs	289	322	117	11.4	-63.7
Income security	74	63	105	-14.9	66.7
Community and regional development	71	70	65	-1.4	-7.1
Medicare	21	19	17	-9.5	-10.5
R&D plant	2,597	2,435	3,129	-6.2	28.5
National defense	475	313	698	-34.1	123.0
Health	138	193	245	39.9	26.9
Space flight, research, and supporting activities	52	22	54	-57.9	147.3
General science and basic research	1,342	1,287	1,474	-4.1	14.5
Energy	25	25	19	-0.6	-24.4
Natural resources and environment	155	193	185	24.5	-4.3
Agriculture	213	212	301	-0.3	42.0
Transportation	35	34	36	-3.4	5.9
Veterans benefits and services	0	0	0	--	--
Commerce and housing credit	135	134	66	-0.5	-50.6
Administration of justice	0	0	5	--	--

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Education, training, employment, and social services	27	22	46	-18.5	109.1
International affairs	0	0	0	--	--
Income security	0	0	0	--	--
Community and regional development	0	0	0	--	--
Medicare	0	0	0	--	--

<sup>a</sup> The FY 2018 data are official estimates reflecting continuing resolution funding for FY 2018 and not the enacted omnibus spending bill for that year (Consolidated Appropriations Act, 2018, signed 23 March 2018). Most federal agencies did not prepare R&D estimates for FY 2018 based on the final spending figures in the omnibus.

<sup>b</sup> Along with the regular budget request, the Administration issued an addendum adding \$75 billion to the total of nondefense spending in FY 2019, distributed among several agencies (but not all for increased R&D spending). The additional sums for R&D are reflected in some of the data above.

**Note(s)**

Detail may not add to total because of rounding. Percent change is calculated on unrounded data. The application of the new *experimental development* definition is shown across all years.

**Source(s)**

Agencies' submissions to the Office of Management and Budget per MAX Schedule C, agencies' budget justification documents, and supplemental data obtained from agencies' budget offices.