

TABLE 3

Federal budget authority for R&D and R&D plant as percentage of total budget authority, by budget function: FYs 2018–20

(Percent share)

Budget function	2018 actual	2019 preliminary ^a	2020 proposed
All functions conducting R&D	4.5	4.5	4.4
National defense	9.5	9.7	9.9
Health	6.3	6.5	5.6
General science and basic research	88.2	89.1	88.1
Space flight, research, and supporting activities	52.4	50.5	52.5
Energy ^b	70.5	71.9	-61.4
Natural resources and environment	4.2	6.1	4.7
Agriculture	15.6	6.7	10.6
Transportation	1.5	1.6	1.8
Veterans benefits and services	0.7	0.7	0.6
Commerce and housing credit ^c	10.3	43.3	16.5
Administration of justice	1.0	1.1	0.7
Education, training, employment, and social services	0.6	0.4	0.5
International affairs	0.3	0.3	0.2
Income security	*	*	*
Community and regional development	0.1	0.6	0.5
Medicare	*	*	*

* = value less than 0.05%.

^a The FY 2019 data for some functions include official estimates reflecting continuing resolution funding for FY 2019 and not the enacted omnibus spending bill for that year (Consolidated Appropriations Act, 2019, signed 15 February 2019). Most federal agencies included in this omnibus did not prepare R&D estimates based on the final spending figures for FY 2019.

^b Total budget authority in the Energy function are negative numbers (i.e., less than zero) in FY 2020, due primarily to planned or proposed offsetting collections and receipts, repeal of the Advanced Technology Vehicles Manufacturing Loan Program, and other policy proposals. This makes the function's R&D and R&D plant as percentages of total budget authority difficult to interpret.

^c Total budget authority in the Commerce and housing credit function declined in FY 2019 and is expected to rise again in FY 2020 because of spending changes related to federal mortgage and housing programs, the decennial census, and other programs. These underlying shifts account for much of the year-to-year change in the function's R&D and R&D plant as percentages of total budget authority.

Note(s)

Total budget authority includes discretionary and mandatory budget authority, less offsets. Budget functions are ordered as under the table 1 stub entry for R&D and R&D plant.

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 2020*, U.S. Government Printing Office (2019).