

**Table 1****Federal R&D spending by mandatory and discretionary budget authority, by agency: FYs 2017–19**

(Millions of current dollars and percent change)

Agency	2017 actual	2018 annualized CR	2019 proposed	Dollar change 2018–19	Percent change 2018–19
Department of Defense <sup>a</sup>	49,197	43,616	57,156	13,540	31
Department of Health and Human Services	34,222	33,772	24,742	-9,030	-27
Department of Energy	14,896	15,006	12,685	-2,321	-15
National Aeronautics and Space Administration	10,704	10,243	10,651	408	4
National Science Foundation	5,938	6,030	4,177	-1,853	-31
Department of Agriculture	2,585	2,487	2,914	-573	-23
Department of Veterans Affairs	1,346	1,338	1,345	7	1
Department of Commerce	1,794	1,833	1,361	-472	-26
Department of Transportation	904	929	826	-103	-11
Department of the Interior	953	964	759	-205	-21
Patient-Centered Outcomes Research Trust Fund	463	501	622	121	24
Department of Homeland Security	724	672	548	-124	-18
Smithsonian Institution	251	242	271	29	12
Environmental Protection Agency	497	496	269	-227	-46
Department of Education	254	243	240	-3	-1
Other	561	629	490	-139	-22
Total <sup>b</sup>	125,289	119,001	118,056	-945	-1
Total (using the former definition of development)	154,983	153,932	156,777	2,845	2

CR = continuing resolution.

<sup>a</sup> The totals for experimental development spending in FYs 2017–19 do not include Department of Defense Budget Activity 7 (operational system development) due to changes in the definition of development. These funds are requested in the FY 2019 Budget request and support the development efforts to upgrade systems that have been fielded or have received approval for full-rate production and anticipate production funding in the current or subsequent fiscal year.

<sup>b</sup> The total uses the new experimental development definition across the three fiscal years.

**Note(s):**

This table shows funding levels for departments or independent agencies with more than \$200 million in R&D activities in 2019.

**Source(s):**

Budget of the United States Government, Fiscal Year 2019, Analytical Perspectives, Chapter 18: Research and Development, <https://www.govinfo.gov/app/collection/budget/2019/BUDGET-2019-PER>.