

TABLE 4

Federal budget authority for basic research, by budget function: FYs 2017–19

(Millions of dollars and percent change)

| Budget function | 2017 actual | 2018 preliminary ^a | 2019 proposed ^b | 2017–18 (% change) | 2018–19 (% change) |
|--|-------------|-------------------------------|----------------------------|--------------------|--------------------|
| All functions conducting R&D | 34,061 | 34,393 | 30,040 | 1.0 | -12.7 |
| National defense | 2,304 | 2,336 | 2,380 | 1.4 | 1.9 |
| Health | 16,701 | 16,859 | 12,114 | 0.9 | -28.1 |
| General science and basic research | 9,168 | 9,277 | 9,220 | 1.2 | -0.6 |
| Space flight, research, and supporting activities | 3,606 | 3,713 | 4,300 | 3.0 | 15.8 |
| Energy | 21 | 34 | 33 | 63.1 | -1.7 |
| Natural resources and environment | 268 | 240 | 190 | -10.6 | -20.9 |
| Agriculture | 903 | 853 | 772 | -5.5 | -9.5 |
| Transportation | 0 | 0 | 0 | -- | -- |
| Veterans benefits and services | 538 | 538 | 540 | 0.0 | 0.4 |
| Commerce and housing credit | 234 | 232 | 197 | -0.7 | -15.4 |
| Administration of justice | 59 | 63 | 41 | 6.8 | -34.9 |
| Education, training, employment, and social services | 258 | 248 | 253 | -3.9 | 2.0 |
| International affairs | 0 | 0 | 0 | -- | -- |
| Income security | 0 | 0 | 0 | -- | -- |
| Community and regional development | 0 | 0 | 0 | -- | -- |
| Medicare | 0 | 0 | 0 | -- | -- |

^a 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.

^b 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. Budget functions are ordered as under the table 1 stub entries for "R&D and R&D plant."

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.