

TABLE 4

**Federal budget authority for basic research, by budget function: FYs 2020–22**

(Millions of dollars and percent change)

| Budget function                                      | 2020 actual <sup>a</sup> | 2021 preliminary <sup>a</sup> | 2022 proposed | 2020–21 (% change) | 2021–22 (% change) |
|--|--------------------------|-------------------------------|---------------|--------------------|--------------------|
| All functions conducting R&D                         | 44,331                   | 42,520                        | 47,399        | -4.1               | 11.5               |
| National defense                                     | 2,686                    | 2,819                         | 2,483         | 5.0                | -11.9              |
| Health   | 21,826                   | 21,872                        | 24,022        | 0.2                | 9.8                |
| Space flight, research, and supporting activities    | 6,655                    | 4,515                         | 5,620         | -32.2              | 24.5               |
| General science and basic research                   | 10,782                   | 10,835                        | 12,298        | 0.5                | 13.5               |
| Energy   | 51                       | 16                            | 17            | -67.6              | 1.7                |
| Natural resources and environment                    | 117                      | 118                           | 209           | 1.2                | 76.2               |
| Agriculture  | 1,028                    | 1,092                         | 1,380         | 6.2                | 26.4               |
| Transportation                                       | 16                       | 16                            | 16            | 0.0                | 0.0                |
| Veterans benefits and services                       | 523                      | 555                           | 584           | 6.1                | 5.2                |
| Commerce and housing credit                          | 241                      | 250                           | 320           | 3.7                | 28.0               |
| Education, training, employment, and social services | 348                      | 366                           | 368           | 5.2                | 0.5                |
| Administration of justice                            | 57                       | 63                            | 80            | 10.5               | 27.0               |
| International affairs                                | 0                        | 0                             | 0             | -                  | -                  |
| Income security                                      | 0                        | 0                             | 0             | -                  | -                  |
| Community and regional development                   | 2                        | 2                             | 3             | 0.0                | 50.0               |
| Medicare   | 0                        | 0                             | 0             | -                  | -                  |

<sup>a</sup> Agencies in several functions received emergency COVID-19 funding for R&D including basic research in FY 2020 and FY 2021. This funding may be included in the data in this table, although this is not clear in all cases.

**Note(s):**

Detail may not add to total because of rounding. Percent change is calculated on unrounded data. Budget functions in this table are ordered as the stub entries for R&D and R&D plant in table 1.

**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.