

Table 2**Higher education R&D expenditures, by source of funds: FYs 2011–21**

(Millions of current dollars)

| Source of funds | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 | % change 2020–21 |
|------------------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|------------------|
| All R&D expenditures | 65,274 | 65,729 | 67,013 | 67,199 | 68,550 | 71,768 | 75,147 | 79,023 | 83,487 | 86,300 | 89,723 | 4.0 |
| All federal R&D expenditures | 40,768 | 40,142 | 39,446 | 37,961 | 37,847 | 38,789 | 40,249 | 41,861 | 44,461 | 46,114 | 49,143 | 6.6 |
| DOD | 4,814 | 4,908 | 5,023 | 4,927 | 5,090 | 5,313 | 5,634 | 5,892 | 6,652 | 7,078 | 7,363 | 4.0 |
| DOE | 1,866 | 1,955 | 1,876 | 1,805 | 1,710 | 1,772 | 1,821 | 1,819 | 1,940 | 2,038 | 2,218 | 8.8 |
| HHS | 22,995 | 21,916 | 21,211 | 20,298 | 19,994 | 20,663 | 21,627 | 22,837 | 24,408 | 25,372 | 27,532 | 8.5 |
| NASA | 1,423 | 1,331 | 1,332 | 1,329 | 1,418 | 1,491 | 1,406 | 1,516 | 1,644 | 1,758 | 1,769 | 0.6 |
| NSF | 5,140 | 5,276 | 5,393 | 5,127 | 5,120 | 5,115 | 5,207 | 5,271 | 5,333 | 5,416 | 5,411 | -0.1 |
| USDA | 1,006 | 1,094 | 1,092 | 1,062 | 1,119 | 1,209 | 1,223 | 1,186 | 1,224 | 1,248 | 1,302 | 4.3 |
| Other | 3,524 | 3,663 | 3,519 | 3,414 | 3,397 | 3,226 | 3,330 | 3,339 | 3,260 | 3,203 | 3,548 | 10.8 |

DOD = Department of Defense; DOE = Department of Energy; HHS = Department of Health and Human Services; NASA = National Aeronautics and Space Administration; NSF = National Science Foundation; USDA = Department of Agriculture.

Note(s):

Because of rounding, detail may not add to total. Beginning in FY 2012, institutions reporting less than \$1 million in total R&D expenditures completed a shorter version of the survey questionnaire, and those totals are not reflected here. Total expenditures from institutions reporting less than \$1 million in R&D in FY 2021 was \$149 million. Total federally funded R&D for these institutions was \$85 million.

Source(s):

National Center for Science and Engineering Statistics, Higher Education Research and Development Survey.