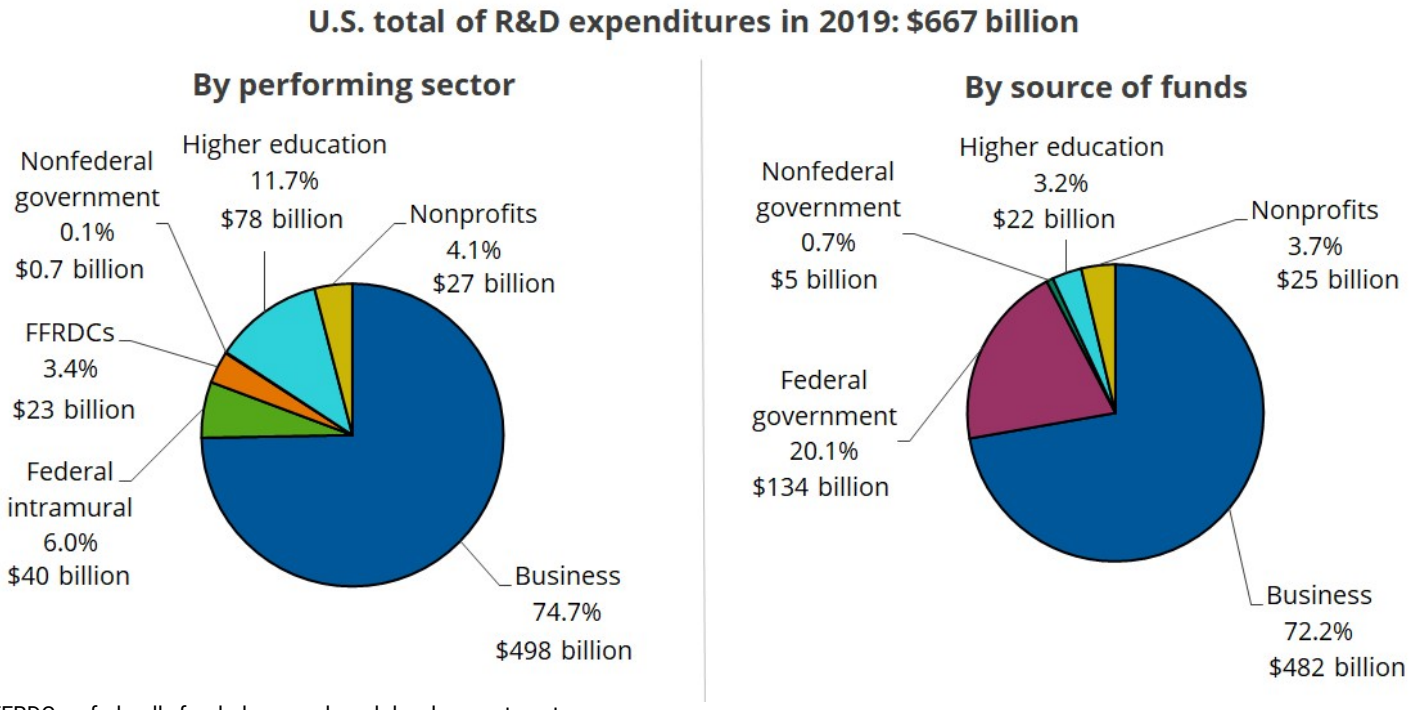
National Center for Science and Engineering Statistics

InfoChart

New Data on U.S. R&D: Summary Statistics from the 2019–20 Edition of National Patterns of R&D Resources

NSF 22-314 | December 2021 | *Mark Boroush*

Figure 1 | **U.S. R&D expenditures, by performing sector and source of funds: 2019**



FFRDCs = federally funded research and development centers.

Source(s): National Center for Science and Engineering Statistics, National Patterns of R&D Resources (annual series).

New data on research and experimental development (R&D) expenditures indicate that U.S. R&D performance totaled $667 billion in 2019 (figure 1). The business sector accounted for 75% of the U.S. R&D performance total; the other larger performers were higher education (12%) and the federal government (federal intramural facilities and federally funded research and development centers) (9%). By source of funds, the largest funders were the business sector (72%) and the federal government (20%). The $667 billion U.S. R&D total in 2019 compares with $554 billion in 2017 and $605 billion in 2018. These increases in 2018 and 2019—$51 billion and $62 billion, respectively—were large compared with recent history. (The average annual increase in 2010–17 was $21 billion). The estimated total for 2020 is $708 billion—a $41 billion increase over the 2019 level. Data are from the *National Patterns of R&D Resources* series from the National Center for Science and Engineering Statistics (NCSES). Further detail will be available in NCSES reports to follow.

Suggested Citation: Boroush M; National Center for Science and Engineering Statistics (NCSES). 2021. *New Data on U.S. R&D: Summary Statistics from the 2019–20 Edition of National Patterns of R&D Resources*. NSF 22-314. Alexandria, VA: National Science Foundation. Available at https://ncses.nsf.gov/pubs/nsf22314.