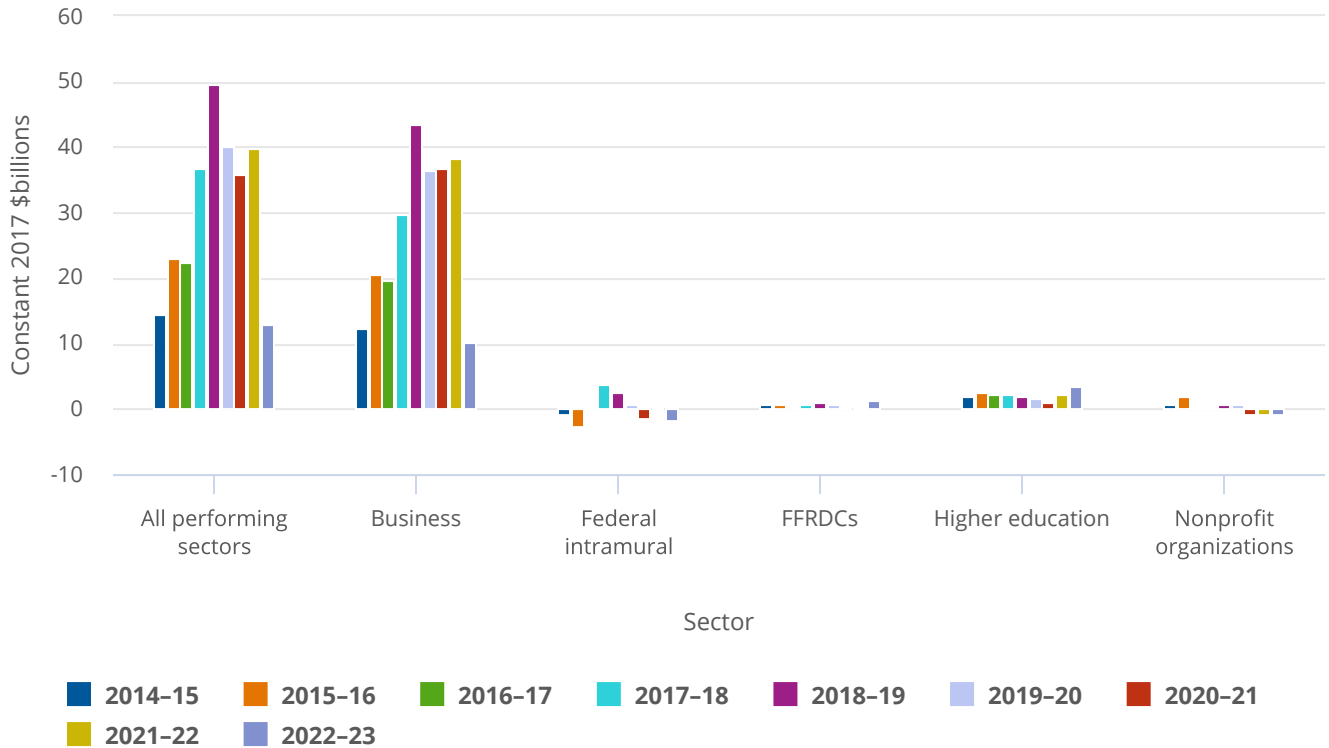


**Figure 2**

**Year-over-year changes in U.S. R&D expenditures, by performing sector: 2014–23**



FFRDC = federally funded research and development center.

**Note(s):**

Some data for 2022 are preliminary and may be revised later. The data for 2023 include estimates and are likely to be revised later. Annual changes in nonfederal government R&D expenditures are included in the all performing sectors total but are not shown separately because they are less than \$0.1 billion. The estimated 2023 business R&D expenditures reflect changed reporting practices by respondents in the Business Enterprise Research and Development Survey, affecting comparability over time and producing a meaningfully lower estimate than would have resulted under past reporting practices. See the “Data Sources, Limitations, and Availability” section for more information.

**Source(s):**

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