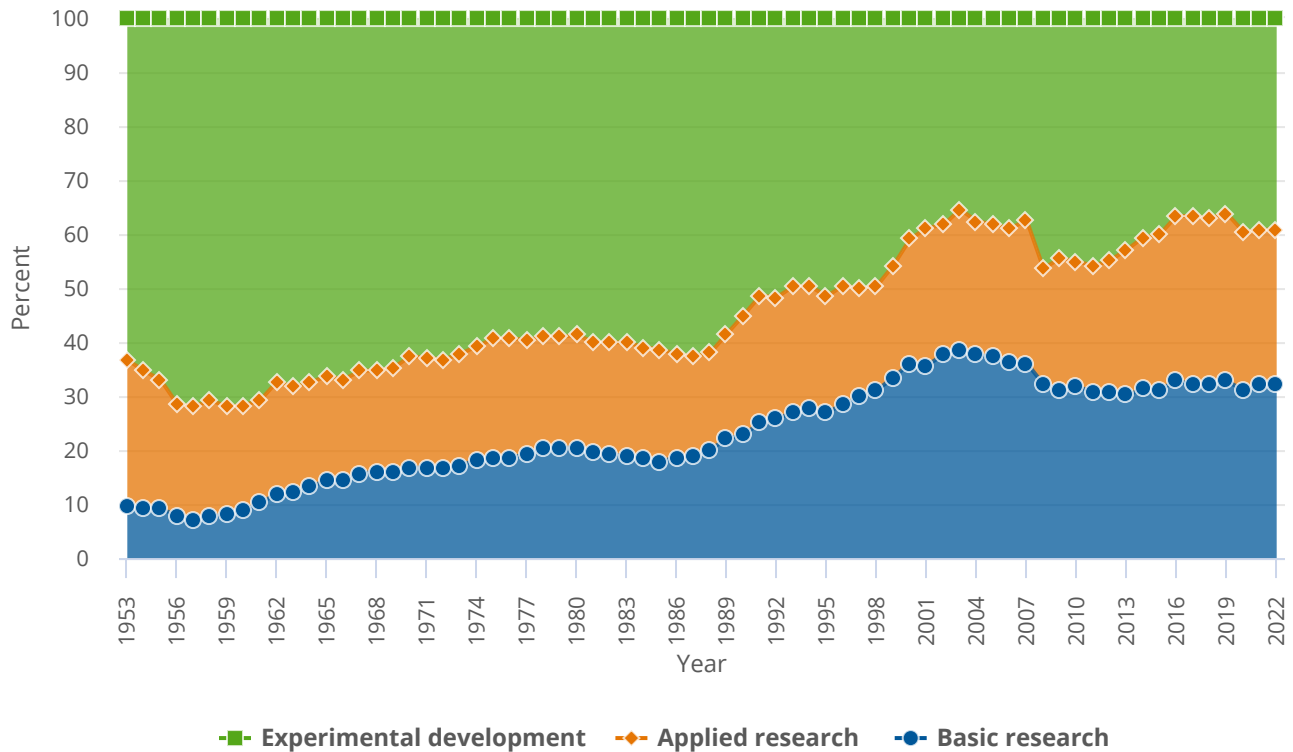


Figure 3

U.S. federally funded R&D expenditures, by type of R&D: 1953–2022



FFRDCs = federally funded research and development centers.

Note(s):

Detail may not add to total because of rounding. This figure reaggregates the R&D performer data according to major categories of R&D funding: federal government, nonfederal government (state and local), business, higher education, and nonprofit. Business sources of R&D funding in this figure include the own funds of domestic R&D-performing businesses, funds from other domestic businesses, and funds from foreign businesses. For trend comparisons, use only the historical data reported in this figure because some back-year data may have been revised. Data are based on reports by performers in the National Center for Science and Engineering Statistics annual surveys on R&D expenditures: Business Enterprise Research and Development Survey, Annual Business Survey, Higher Education Research and Development Survey, Survey of Federal Funds for Research and Development, FFRDC Research and Development Survey, and Survey of State Government Research and Development. R&D expenditures by business performers—and, before 2001, also industry-administered FFRDCs—were collected on a calendar year basis. Some data for 2021 are preliminary and may be revised in future iterations of the National Patterns for R&D Resources report. The data for 2022 include estimates and are likely to be revised in the next iteration of the National Patterns for R&D Resources report.

Source(s):

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