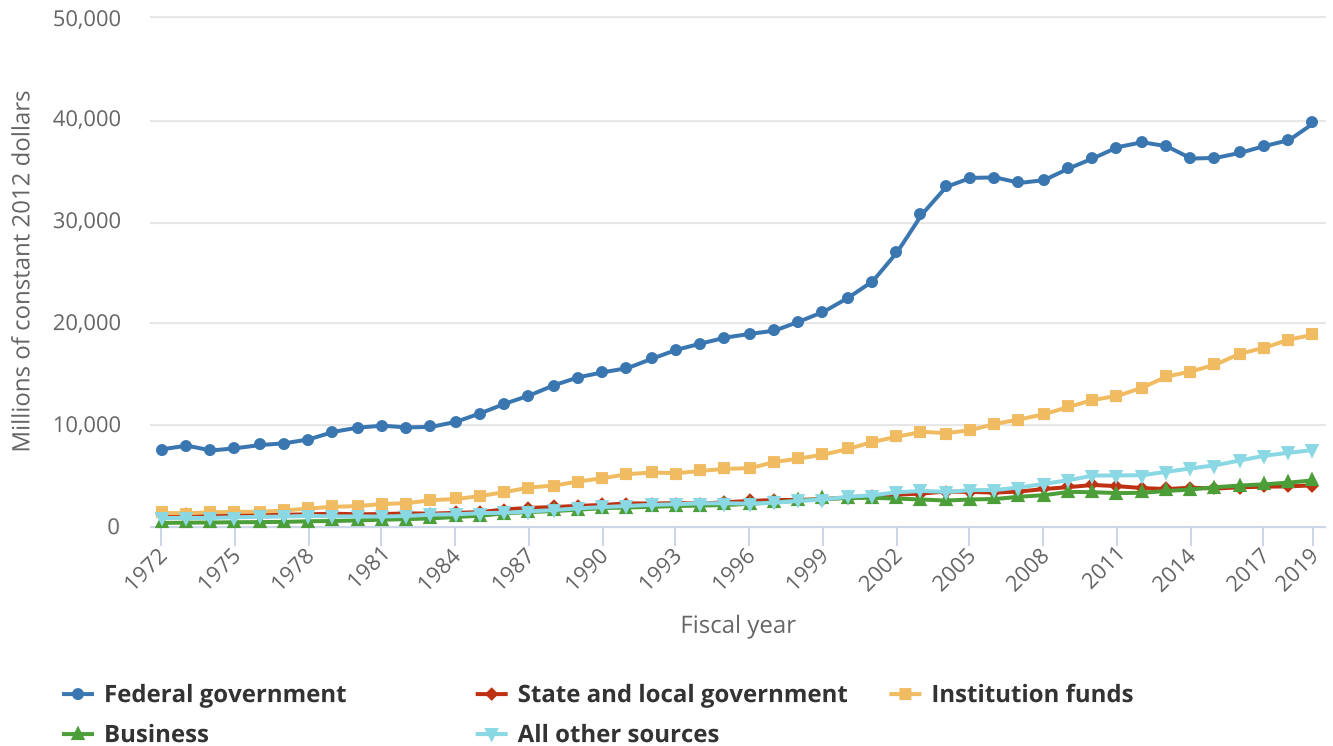


Figure URD-4

Higher education R&D expenditures, by source of funds: FY 1972–2019

**Note(s):**

FY 1978 data are estimated based on data collected from doctorate-granting institutions only. Totals for FY 1972–2002 represent R&D expenditures in S&E fields only. From FY 2003 through FY 2009, some institution totals for all R&D expenditures may be lower-bound estimates because the National Center for Science and Engineering Statistics did not attempt to estimate for nonresponse on non-S&E R&D expenditure items before FY 2010. Source of fund detail data do not sum to total for FY 2003–09 because data by source were collected for S&E fields only. Total non-S&E expenditures were collected in a separate item. For inflation adjustment, gross domestic product–implicit price deflators based on calendar year were used. Gross domestic product deflators come from the U.S. Bureau of Economic Analysis and are available at <https://www.bea.gov/national> (accessed August 2020). Federal figures do not include funds from the American Recovery and Reinvestment Act of 2009 (ARRA). ARRA was an important source of federal expenditures for academic R&D during the economic downturn and recovery from 2010 through 2012 and continued to contribute to such spending, although in smaller amounts, in 2013 and 2014. By 2015, all ARRA funds had been spent. In this figure, the All other sources category includes nonprofits.

Source(s):

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

Science and Engineering Indicators