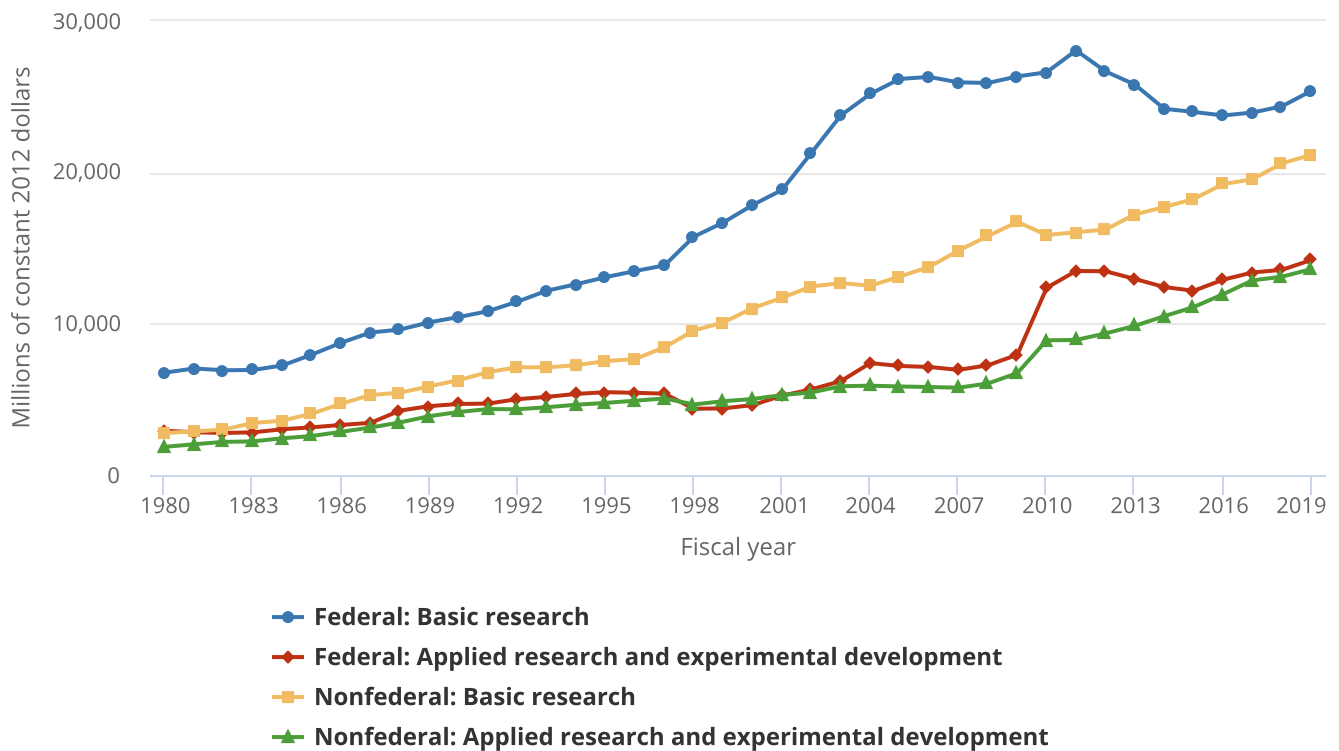


Figure URD-3

## Federally funded and nonfederally funded higher education R&amp;D expenditures, by type of R&amp;D: FY 1980–2019

**Note(s):**

The type-of-R&D estimation procedure was revised for FY 1998 and later years; hence, these data are not directly comparable with data for FY 1997 and earlier years. Before FY 2010, R&D expenditures by type of R&D were based on percentage estimates of basic research provided by universities and colleges. Beginning in FY 2010, institutions were asked for dollar amounts of federally funded and nonfederally funded R&D expenditures for basic research, applied research, and experimental development. 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 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.

**Source(s):**

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

*Science and Engineering Indicators*