



Data on the Financial and Infrastructure Resources for Academic R&D

Financial data on academic R&D are drawn from the National Science Foundation's Survey of Research and Development Expenditures at Universities and Colleges (1972–2009) and its successor, the Higher Education Research and Development Survey (HERD; 2010 onward). Trend analysis is possible because both surveys capture comparable information on R&D expenditures by sources of funds and by field. HERD offers a more comprehensive treatment of R&D (including non-S&E fields), an expanded group of surveyed institutions, and greater detail about the sources of funding for R&D expenditures by field (Britt 2010). The latest survey is available at <https://www.nsf.gov/statistics/srvyherd/>.

HERD data are in current-year dollars and are reported on an academic-year basis. For example, FY 2016 covers July 2015–June 2016 for most institutions and is referred to in this chapter as 2016. HERD data are generally presented in current dollars, although comparisons over more than 1 year are made in inflation-adjusted constant 2009 dollars using gross domestic product implicit price deflators.

The data on research facility infrastructure come from the Survey of Science and Engineering Research Facilities. This survey includes all universities and colleges in HERD with \$1 million or more in S&E R&D expenditures and is completed by university and college administrators under the direction of the institutional presidents. The latest survey is available at <https://nsf.gov/statistics/srvyfacilities/>.

Data on federal obligations for academic R&D are reported in Chapter 4; that chapter also provides data on the academic sector's share of the nation's overall R&D.