

Business R&D and Innovation Survey Content

The Business R&D and Innovation Survey (BRDIS) is conducted jointly by the U.S. Census Bureau and the National Science Foundation (NSF). This survey will replace the Survey of Industrial Research and Development (SIRD), which has been the official federal source of data on R&D in the business sector since the 1950s. The goal of the survey is to collect a variety of data on the R&D activities of companies operating in the United States which will be useful to decision makers in both the public and private sectors. The survey content includes:

- **Financial measures of R&D activity**
 - Detail on global R&D activity as well as domestic U.S. R&D ^(NEW)
 - Company R&D expense
 - By line of business/business segment ^(NEW)
 - By country location and state location (for U.S. R&D)
 - By type of expense (wages, materials, etc.)
 - Outsourced R&D by sector (universities, other companies, etc.)
 - Similar detail for R&D the company may perform for others under grants, contracts, or other agreements ^(NEW)
 - Capital expenditures for R&D (buildings, software, equipment) ^(NEW)
 - Projections of current year R&D spending

- **Measures related to R&D employment**
 - R&D headcount ^(NEW)
 - U.S. headcount vs. global headcount ^(NEW)
 - By occupational category (scientists and engineers, technicians, support staff), gender, and level of educational attainment ^(NEW)
 - Number of U.S. R&D employees working under a visa (H-1B, L-1, etc.) ^(NEW)
 - R&D FTEs

- **Measures related to R&D management and strategy**
 - Estimated financial return on R&D ^(NEW)
 - Share of R&D devoted to new business areas for the company ^(NEW)
 - Share of R&D involving science or technology new to the company ^(NEW)
 - Share of R&D spent on research vs. development
 - Share of R&D on science or technology that is new to the market ^(NEW)
 - Counts of R&D projects ^(NEW)
 - Total number of active projects
 - Number of projects started in a given year
 - Number of projects moved from R&D to production/marketing in a given year
 - Share of R&D devoted to specific application areas such as health, defense, energy, and transportation ^(NEW)
 - Share of R&D involving specific types of science or technology such as biotechnology, nanotechnology, software, or social sciences

- Country location of planned new R&D facilities ^(NEW)
- Share of R&D devoted to partnerships, by type or partner organization (academia, government agencies, other companies) ^(NEW)
- **Measures related to intellectual property (IP) and technology transfer**
 - Patent-related data ^(NEW)
 - Number of patents owned or controlled
 - Number of patents applied for and issued in a given year
 - Percent of discoveries that the company attempted to patent?
 - Relative importance of different types of IP protection to the company ^(NEW)
 - Did the company participate in specific technology transfer activities? ^(NEW)
 - Information about licensing of IP (mainly counts of agreements) ^(NEW)
 - Number of collaborative R&D agreements the company is a party to and who were the partners (universities, suppliers, federal agencies, etc.) ^(NEW)