



A quarterly newsletter on NSF's S&T data and information

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<http://www.nsf.gov/statistics/>

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## Latest News

### [NSF Releases New Statistics on Business Innovation](#)

- In the period 2006–08 22% of manufacturing companies introduced product innovations and 22% introduced process innovations; nonmanufacturing companies had rates of 8% and 8%, respectively
- The incidence of U.S. innovation varies substantially by industry sector

### [Universities Report \\$55 Billion in Science and Engineering R&D Spending for FY 2009; Redesigned Survey to Launch in 2010](#)

- University spending on research and development increased by 5.8% between FY 2008 and FY 2009 to \$54.8 billion; this was a 4.2% increase when adjusted for inflation
- The federal government is the largest source of academic science and engineering funding; its share of universities' R&D funding total has dropped by 5 percentage points in recent years, from 64% in FY 2005 to 59% in FY 2009

### [Institutions Increase Networking Capacity, Gap Between Doctorate- and Nondoctorate-Granting Institutions Widens](#)

- Cyberinfrastructure resources at doctorate-granting institutions are substantially greater than at institutions that do not grant doctorates, in both networking capacity and computing capacity
- In 2007, 99 of the 449 institutions with \$1 million in R&D funds had high-performing computing systems operating at a speed of at least 1 teraflop

### [Proposed Federal R&D Funding for FY 2011 Dips to \\$143 Billion, with Cuts in National Defense R&D](#)

- The proposed total budget authority for federally funded R&D in FY 2011 represents a 0.3% decrease from FY 2010 agency reports
- In current dollars proposed nondefense R&D (\$61.4) is up by 6.3%, and defense R&D (\$82.0 billion) is down by 4.8% from FY 2010

### [NSF Releases Statistics on R&D Expenditures in FY 2008 by Federally Funded R&D Centers](#)

- FY 2008 R&D expenditures in federally funded R&D centers (FFRDCs) totaled \$14.7 billion in current dollars
- The new total represented an increase of more than 6% from the previous year

### [Foreign Science and Engineering Students in the United States](#)

- Some 568,000 foreign students (those on temporary visas) studied at U.S. universities and colleges in 2009; 44% were science and engineering students
- Between 2008 and 2009 foreign enrollment increased 3% overall, 4% in S&E fields, and 2% in non-S&E fields

### [New Employment Statistics from the 2008 Business R&D and Innovation Survey](#)

- U.S. R&D companies employed 27.1 million workers worldwide; R&D workers accounted for 7.1% of this employment (1.9 million workers worldwide)
- In 2008, companies reported \$346 billion in company-performed R&D worldwide; 82% was performed in the United States

### **New Data and Tables**

#### [Characteristics of Recent Science and Engineering Graduates:2006](#)

54 new tables present data on recent bachelor's and master's graduates in science, engineering and health fields by the following:

- Education and employment status
- Demographic characteristics
- Educational characteristics
- Employment characteristics
- Median salary

### **SRS Data in Use**

SRS data is used extensively by the science and engineering community. Here are some recent examples:

- [Science and Engineering Indicators 2010](#)
- [Key Science and Engineering Indicators: 2010 Digest](#)
- [Academic Institutional Profiles: 2007](#)
- [Funding of US Biomedical Research, 2003-2008](#)
- [Stay Rates of Foreign Doctorate Recipients from U.S. Universities, 2007](#)
- [Diversifying Science and Engineering Faculties: Intersections of Race, Ethnicity, and Gender](#)
- [How Much Does Immigration Boost Innovation?](#)
- [Functional Impairment and the Choice of College Major](#)

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If you have questions or comments on the **SRSBuzz**, please write to [srsweb@nsf.gov](mailto:srsweb@nsf.gov).