

Table I-12. R&D Expenditures at Colleges and Universities

**Table I-12.** R&D Expenditures at Colleges and Universities  
**Fiscal Year 2004**

|  | FY 2003 | FY 2004       | % Change<br>FY 03-04 | % of<br>Total (FY 04) |
|--|---------|---------------|----------------------|-----------------------|
| <b>(R&amp;D expenditures in millions of dollars)</b> |         |               |                      |                       |
| - by funding source:                                 |         |               |                      |                       |
| Federal Government                                   | 24,744  | <b>27,379</b> | 10.6%                | 63.8%                 |
| State and Local Government                           | 2,650   | <b>2,847</b>  | 7.4%                 | 6.6%                  |
| Industry   | 2,163   | <b>2,107</b>  | -2.6%                | 4.9%                  |
| Institutional Funds                                  | 7,659   | <b>7,771</b>  | 1.5%                 | 18.1%                 |
| All Other Sources                                    | 2,842   | <b>2,841</b>  | 0.0%                 | 6.6%                  |
| Total  | 40,057  | <b>42,945</b> | 7.2%                 | 100.0%                |
| - by science and engineering field:                  |         |               |                      |                       |
| Engineering  | 5,993   | <b>6,312</b>  | 5.3%                 | 14.7%                 |
| Physical Sciences                                    | 3,277   | <b>3,545</b>  | 8.2%                 | 8.3%                  |
| Environmental Sciences                               | 2,190   | <b>2,354</b>  | 7.5%                 | 5.5%                  |
| Mathematical Sciences                                | 428     | <b>450</b>    | 5.1%                 | 1.0%                  |
| Computer Sciences                                    | 1,305   | <b>1,405</b>  | 7.7%                 | 3.3%                  |
| Life Sciences  | 23,746  | <b>25,650</b> | 8.0%                 | 59.7%                 |
| Psychology   | 769     | <b>782</b>    | 1.7%                 | 1.8%                  |
| Social Sciences                                      | 1,659   | <b>1,670</b>  | 0.7%                 | 3.9%                  |
| Other Sciences, n.e.c. *                             | 690     | <b>777</b>    | 12.6%                | 1.8%                  |
| Total  | 40,057  | <b>42,945</b> | 7.2%                 | 100.0%                |
| - by character of work:                              |         |               |                      |                       |
| Basic Research                                       | 29,961  | <b>32,308</b> | 7.8%                 | 75.2%                 |
| Applied Research<br>and Development                  | 10,095  | <b>10,638</b> | 5.4%                 | 24.8%                 |
| Total  | 40,057  | <b>42,945</b> | 7.2%                 | 100.0%                |

Source: National Science Foundation, *Survey of Research and Development Expenditures at Universities and Colleges, Fiscal Year 2004*, 2006.

The complete data, and definitions of science and engineering fields, are available at <http://www.nsf.gov/sbe/srs/stats.htm>.

\* not elsewhere classified.

These data are based on performer surveys of expenditures, and thus differ from data presented elsewhere in this report.