

**Table 3B. National expenditures for applied research, from funding sectors to performing sectors: 1993-2000<sup>1</sup>**

(See the historical database provided in Table D for the full series of historical data, arranged by the same data columns as defined in this and other tables.)

| Funding Sector:            | Total U.S.                        | Federal Government |               |                       |                              |       |                         |                          |                               | Industry |                       |       |             | U&Cs  | Nonprofits |             |       | Nonfed. Govt. <sup>5</sup> |
|----------------------------|-----------------------------------|--------------------|---------------|-----------------------|------------------------------|-------|-------------------------|--------------------------|-------------------------------|----------|-----------------------|-------|-------------|-------|------------|-------------|-------|----------------------------|
| Performing Sector          | Total U.S.                        | Total              | Federal Govt. | Industry <sup>2</sup> | Industry FFRDCs <sup>2</sup> | U&Cs  | U&C FFRDCs <sup>3</sup> | Non-profits <sup>2</sup> | Nonprofit FFRDCs <sup>2</sup> | Total    | Industry <sup>4</sup> | U&Cs  | Non-profits | U&Cs  | Total      | Non-Profits | U&Cs  | U&Cs                       |
| Data Column                | [85]                              | [121]              | [86]          | [88]                  | [90]                         | [92]  | [97]                    | [99]                     | [102]                         | [122]    | [89]                  | [94]  | [100]       | [95]  | [123]      | [101]       | [96]  | [93]                       |
| Calendar Year <sup>6</sup> | Millions of current dollars       |                    |               |                       |                              |       |                         |                          |                               |          |                       |       |             |       |            |             |       |                            |
| 1993.....                  | 37,285                            | 14,078             | 4,838         | 4,295                 | 435                          | 2,538 | 969                     | 900                      | 103                           | 20,547   | 19,956                | 443   | 148         | 1,181 | 984        | 497         | 487   | 495                        |
| 1994.....                  | 36,613                            | 13,796             | 4,985         | 3,616                 | 503                          | 2,640 | 981                     | 960                      | 111                           | 19,995   | 19,372                | 464   | 158         | 1,256 | 1,049      | 541         | 508   | 517                        |
| 1995.....                  | 40,999                            | 13,607             | 4,952         | 3,164                 | 535                          | 2,774 | 1,119                   | 934                      | 129                           | 24,418   | 23,755                | 494   | 170         | 1,311 | 1,104      | 589         | 516   | 558                        |
| 1996.....                  | 43,169                            | 13,964             | 4,872         | 3,640                 | 231                          | 2,856 | 1,283                   | 960                      | 122                           | 26,074   | 25,370                | 522   | 182         | 1,388 | 1,162      | 640         | 522   | 582                        |
| 1997.....                  | 47,211                            | 13,261             | 4,997         | 2,648                 | 213                          | 2,900 | 1,364                   | 1,011                    | 128                           | 30,555   | 29,782                | 568   | 205         | 1,519 | 1,272      | 711         | 561   | 604                        |
| 1998.....                  | 45,702                            | 13,375             | 5,146         | 2,533                 | 230                          | 2,957 | 1,326                   | 1,060                    | 123                           | 28,657   | 27,808                | 626   | 223         | 1,646 | 1,393      | 779         | 614   | 631                        |
| 1999.....                  | 51,632                            | 14,876             | 5,503         | 3,440                 | 274                          | 3,075 | 1,276                   | 1,194                    | 114                           | 32,848   | 31,927                | 673   | 247         | 1,756 | 1,495      | 842         | 652   | 658                        |
| 2000..prelim....           | 55,041                            | 14,460             | 5,826         | 2,252                 | 285                          | 3,259 | 1,401                   | 1,320                    | 117                           | 36,400   | 35,396                | 729   | 275         | 1,884 | 1,604      | 909         | 695   | 693                        |
| Data Column                | [103]                             | [124]              | [104]         | [106]                 | [108]                        | [110] | [115]                   | [117]                    | [120]                         | [125]    | [107]                 | [112] | [118]       | [113] | [126]      | [119]       | [114] | [111]                      |
| Calendar Year <sup>6</sup> | Millions of constant 1996 dollars |                    |               |                       |                              |       |                         |                          |                               |          |                       |       |             |       |            |             |       |                            |
| 1993.....                  | 39,644                            | 14,968             | 5,144         | 4,567                 | 463                          | 2,699 | 1,030                   | 957                      | 109                           | 21,847   | 21,219                | 471   | 157         | 1,255 | 1,046      | 528         | 518   | 527                        |
| 1994.....                  | 38,134                            | 14,369             | 5,192         | 3,766                 | 524                          | 2,749 | 1,022                   | 999                      | 116                           | 20,826   | 20,177                | 483   | 165         | 1,308 | 1,093      | 563         | 530   | 539                        |
| 1995.....                  | 41,793                            | 13,870             | 5,048         | 3,225                 | 545                          | 2,828 | 1,140                   | 952                      | 131                           | 24,891   | 24,215                | 503   | 173         | 1,336 | 1,126      | 600         | 526   | 569                        |
| 1996.....                  | 43,169                            | 13,964             | 4,872         | 3,640                 | 231                          | 2,856 | 1,283                   | 960                      | 122                           | 26,074   | 25,370                | 522   | 182         | 1,388 | 1,162      | 640         | 522   | 582                        |
| 1997.....                  | 46,308                            | 13,008             | 4,901         | 2,597                 | 209                          | 2,845 | 1,338                   | 992                      | 126                           | 29,971   | 29,212                | 557   | 201         | 1,490 | 1,247      | 697         | 550   | 592                        |
| 1998.....                  | 44,277                            | 12,957             | 4,985         | 2,454                 | 223                          | 2,865 | 1,285                   | 1,027                    | 119                           | 27,763   | 26,941                | 607   | 216         | 1,595 | 1,350      | 755         | 595   | 611                        |
| 1999.....                  | 49,281                            | 14,199             | 5,253         | 3,283                 | 262                          | 2,935 | 1,218                   | 1,140                    | 109                           | 31,352   | 30,473                | 643   | 236         | 1,676 | 1,427      | 804         | 623   | 628                        |
| 2000..prelim....           | 51,483                            | 13,525             | 5,450         | 2,106                 | 267                          | 3,048 | 1,310                   | 1,235                    | 109                           | 34,047   | 33,108                | 682   | 257         | 1,762 | 1,500      | 850         | 650   | 648                        |

<sup>1</sup>Technical notes explaining methodological issues of measurement will be provided in NSF, *National Patterns of R&D Resources: 2001* (forthcoming).

<sup>2</sup>In the historical database (table D), expenditures of industry FFRDCs for 1953-54 were not separated out from total Federal support to the industrial sector. Thus, the figure for Federal support to industry includes support to FFRDCs for those two years. The same is true for expenditures of nonprofit FFRDCs, which is included in Federal support for nonprofit institutions in 1953-54.

<sup>3</sup>Includes all R&D expenditures of FFRDCs administered by academic institutions.

<sup>4</sup>Industry sources of industry R&D expenditures include all non-Federal sources of industry R&D expenditures.

<sup>5</sup>Because of limitations in the survey information, data on nonfederal government funding to other performers are not available, and are consequently included in other sectors' support for their own R&D performance. For example, nonfederal government support to nonprofits is included in nonprofits' support for their own R&D.

<sup>6</sup>Expenditure levels for academic and Federal government performers are also in reference to calendar years. These levels are approximations based on fiscal-year data. For Federal government expenditures starting in 1977, the calendar-year approximation is equal to 75 percent of the amount reported in the same fiscal year plus 25 percent of the amount reported in the subsequent fiscal year. For academic expenditures in all years and for Federal government expenditures prior to 1977 the respective percentages are 50 and 50, since those fiscal years (for most academic institutions and the Federal government before 1977) begin on July 1 instead of October 1.

KEY: FFRDCs=Federally Funded Research and Development Centers; U&Cs=universities and colleges

NOTES: Data are based on annual reports by performers except for the nonprofit sector. Data are preliminary for 2000. For trend comparisons, use only the historical data reported here. These tables incorporate the latest revisions to prior-year data, including recently revised estimates of R&D performance by nonprofit organizations. Do not use data published earlier.

SOURCES: National Science Foundation/SRS. Data were derived from NSF/SRS, *Research and Development in Industry 1999*; NSF/SRS, *Academic Research and Development Expenditures: Fiscal Year 1999*; NSF/SRS, *Federal Funds for Research and Development: Fiscal Years 1999, 2000, and 2001*; and NSF/SRS *Survey of R&D Funding & Performance by Nonprofit Organizations*.