

TABLE 112. Federal obligations for applied research, by performer: FYs 1967–2012
(Dollars in millions)

| Fiscal year | Extramural | | | | | | | | | |
|-------------|------------|-------------------------|------------------------------------|----------------|---------------------------|------------------|------------------|-----------------|--------------------------|---------|
| | Total | Intramural ^a | United States and U.S. territories | | | | | | | Foreign |
| | | | Industry | Industry FFRDC | Universities and colleges | University FFRDC | Other nonprofits | Nonprofit FFRDC | State, local governments | |
| 1967 | 2,785.5 | 1,026.4 | 857.7 | 38.8 | 455.0 | 151.3 | 143.9 | 39.7 | 49.0 | 23.9 |
| 1968 | 2,940.5 | 1,109.8 | 898.5 | 34.3 | 466.7 | 153.7 | 140.7 | 37.5 | 70.2 | 29.1 |
| 1969 | 2,700.1 | 1,113.4 | 701.7 | 40.0 | 457.4 | 116.2 | 136.2 | 44.2 | 61.8 | 29.0 |
| 1970 | 2,974.9 | 1,345.5 | 691.5 | 42.8 | 468.4 | 145.6 | 150.3 | 41.6 | 69.5 | 19.8 |
| 1971 | 3,143.0 | 1,322.5 | 722.4 | 46.4 | 550.8 | 131.2 | 196.9 | 49.8 | 79.2 | 43.7 |
| 1972 | 3,360.8 | 1,387.5 | 755.2 | 43.1 | 621.4 | 144.0 | 245.5 | 52.6 | 78.2 | 33.3 |
| 1973 | 3,349.4 | 1,480.4 | 711.2 | 29.3 | 642.9 | 126.2 | 217.7 | 46.8 | 68.1 | 26.9 |
| 1974 | 3,787.6 | 1,574.3 | 750.7 | 66.7 | 813.5 | 150.9 | 287.1 | 44.6 | 74.2 | 25.7 |
| 1975 | 4,141.3 | 1,730.3 | 891.7 | 87.8 | 818.2 | 168.0 | 266.4 | 51.0 | 97.9 | 30.0 |
| 1976 | 4,851.9 | 2,093.1 | 971.9 | 116.7 | 908.0 | 263.4 | 308.9 | 49.6 | 106.5 | 33.8 |
| 1977 | 5,255.5 | 2,043.6 | 1,159.1 | 139.1 | 1,028.4 | 346.2 | 349.6 | 49.9 | 99.6 | 39.9 |
| 1978 | 5,908.2 | 2,191.5 | 1,403.7 | 169.8 | 1,168.8 | 358.1 | 398.1 | 61.2 | 111.8 | 45.3 |
| 1979 | 6,342.3 | 2,392.1 | 1,484.9 | 178.3 | 1,253.5 | 407.0 | 382.3 | 66.7 | 119.7 | 57.9 |
| 1980 | 6,923.2 | 2,483.8 | 1,752.3 | 240.7 | 1,378.8 | 414.3 | 398.9 | 64.2 | 127.1 | 63.0 |
| 1981 | 7,171.5 | 2,732.4 | 1,665.4 | 278.1 | 1,416.9 | 450.0 | 392.1 | 59.1 | 102.8 | 74.8 |
| 1982 | 7,540.6 | 2,728.7 | 1,885.7 | 400.0 | 1,318.3 | 540.0 | 387.9 | 95.2 | 101.4 | 83.4 |
| 1983 | 7,993.4 | 3,020.4 | 1,821.3 | 439.7 | 1,355.6 | 646.1 | 427.3 | 77.1 | 104.7 | 101.1 |
| 1984 | 7,911.4 | 2,903.6 | 1,759.5 | 405.4 | 1,498.9 | 667.0 | 449.0 | 79.1 | 60.0 | 88.8 |
| 1985 | 8,314.7 | 3,132.7 | 1,694.3 | 363.3 | 1,687.6 | 697.1 | 489.3 | 84.6 | 58.9 | 107.0 |
| 1986 | 8,349.1 | 3,141.5 | 1,768.8 | 364.5 | 1,751.4 | 567.6 | 490.8 | 74.9 | 60.0 | 129.7 |
| 1987 | 8,998.1 | 3,391.5 | 1,981.6 | 313.6 | 1,974.6 | 564.3 | 549.8 | 76.5 | 52.7 | 93.4 |
| 1988 | 9,176.5 | 3,288.1 | 2,045.6 | 322.2 | 2,154.6 | 575.0 | 571.3 | 65.2 | 60.4 | 94.1 |
| 1989 | 10,163.5 | 3,583.5 | 2,101.8 | 380.5 | 2,571.8 | 605.4 | 681.0 | 67.3 | 77.6 | 94.6 |
| 1990 | 10,336.8 | 3,515.2 | 2,304.2 | 367.5 | 2,588.4 | 564.3 | 735.9 | 78.4 | 76.1 | 106.9 |
| 1991 | 11,797.6 | 4,062.8 | 2,456.6 | 445.6 | 2,803.0 | 854.7 | 910.4 | 90.1 | 80.2 | 94.3 |
| 1992 | 12,000.7 | 4,185.7 | 2,530.9 | 437.6 | 2,728.9 | 957.6 | 952.5 | 74.5 | 66.9 | 66.2 |
| 1993 | 13,491.4 | 4,790.0 | 3,027.5 | 555.6 | 3,058.6 | 896.8 | 876.4 | 102.2 | 140.1 | 44.1 |
| 1994 | 13,887.7 | 4,983.3 | 2,954.4 | 499.6 | 3,299.4 | 845.1 | 969.2 | 104.0 | 155.5 | 77.2 |
| 1995 | 14,557.4 | 4,991.0 | 3,484.5 | 571.8 | 3,409.9 | 794.8 | 930.4 | 132.0 | 142.7 | 100.3 |
| 1996 | 13,795.7 | 4,836.5 | 3,160.3 | 423.4 | 3,263.1 | 864.0 | 944.3 | 119.4 | 107.3 | 77.4 |
| 1997 | 14,423.4 | 4,978.6 | 3,225.5 | 464.9 | 3,477.4 | 998.8 | 1,005.3 | 129.2 | 75.5 | 68.2 |
| 1998 | 15,309.3 | 5,050.6 | 3,513.3 | 517.7 | 3,787.3 | 1,100.7 | 1,027.7 | 92.6 | 155.2 | 64.1 |
| 1999 | 16,083.9 | 5,430.6 | 3,497.0 | 565.8 | 4,096.7 | 988.6 | 1,156.7 | 114.6 | 171.0 | 62.8 |
| 2000 | 18,900.8 | 5,827.8 | 3,444.2 | 528.9 | 5,965.1 | 1,099.2 | 1,729.2 | 174.5 | 86.9 | 45.1 |
| 2001 | 22,755.6 | 6,937.2 | 4,345.2 | 647.2 | 6,864.9 | 1,334.2 | 2,136.2 | 198.9 | 237.1 | 54.9 |
| 2002 | 24,338.4 | 7,397.4 | 4,554.9 | 697.7 | 7,617.2 | 1,414.1 | 2,191.3 | 186.2 | 204.0 | 75.6 |
| 2003 | 26,320.4 | 7,757.5 | 4,762.8 | 790.7 | 8,524.7 | 1,444.8 | 2,492.5 | 197.0 | 220.4 | 130.0 |
| 2004 | 27,237.1 | 7,413.6 | 4,813.3 | 839.3 | 9,300.6 | 1,681.6 | 2,470.3 | 188.7 | 335.0 | 194.7 |
| 2005 | 26,597.9 | 7,577.2 | 4,405.4 | 811.9 | 9,166.1 | 1,722.2 | 2,381.6 | 237.1 | 140.9 | 155.6 |
| 2006 | 26,951.1 | 7,498.0 | 4,577.4 | 727.5 | 9,151.8 | 1,686.2 | 2,581.5 | 272.8 | 265.1 | 190.9 |
| 2007 | 27,227.8 | 7,244.2 | 4,338.0 | 1,521.6 | 9,746.6 | 959.6 | 2,622.9 | 393.5 | 196.3 | 205.0 |
| 2008 | 26,739.7 | 7,154.2 | 4,237.0 | 2,354.8 | 9,677.5 | 138.8 | 2,462.3 | 289.9 | 262.9 | 162.4 |
| 2009 | 30,821.2 | 7,797.6 | 4,648.6 | 2,392.2 | 11,939.2 | 183.8 | 3,013.3 | 402.9 | 249.2 | 194.5 |

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| 2010 | 31,932.6 | 8,090.1 | 4,878.6 | 2,368.5 | 12,204.7 | 281.0 | 3,156.6 | 494.3 | 249.6 | 209.4 |
| 2011 (preliminary) | 29,105.9 | 7,733.4 | 4,602.3 | 2,265.1 | 10,754.3 | 212.7 | 2,773.0 | 353.1 | 231.3 | 180.8 |
| 2012 (preliminary) | 30,047.5 | 8,007.5 | 4,788.7 | 2,478.2 | 10,957.4 | 235.3 | 2,761.2 | 415.3 | 218.4 | 185.7 |

FFRDC = federally funded research and development center.

^a Intramural activities cover costs associated with administration of intramural and extramural programs by federal personnel as well as actual intramural performance.

NOTES: Because of rounding, detail may not add to total. In FY 2000 National Aeronautics and Space Administration (NASA) reclassified Space Station as physical asset, reclassified Space Station Research as equipment, and transferred funding for program from R&D to R&D plant; National Institutes of Health reclassified all its development activities as research. In FY 2003 Substance Abuse and Mental Health Services Administration reclassified some of its funding categories as non-R&D that were considered R&D in prior years. Between FY 2006 and FY 2007, NASA's R&D obligations decreased for two reasons: (1) in FY 2007 NASA excluded projects that were operational in nature that were not excluded in FY 2006, which accounts for \$850 million of decrease; and (2) there was overall decrease in obligations between FY 2006 and FY 2007, which accounts for remainder of decrease. In FY 2010 NASA resumed reporting International Space Station obligations as R&D plant.

SOURCE: National Science Foundation/National Center for Science and Engineering Statistics, Survey of Federal Funds for Research and Development.