

TABLE 109. Federal obligations for research and development, by performer: FYs 1967–2012  
(Dollars in millions)

Fiscal year	Extramural									
	Total	Intramural <sup>a</sup>	United States and U.S. territories							Foreign
			Industry	Industry FFRDC	Universities and colleges	University FFRDC	Other nonprofits	Nonprofit FFRDC	State, local governments	
1967	16,529.1	3,395.7	9,877.8	384.7	1,454.3	666.5	400.1	223.5	63.5	63.1
1968	15,921.2	3,493.1	9,047.0	414.2	1,487.4	713.7	377.5	234.5	100.2	53.5
1969	15,640.9	3,501.2	8,703.1	427.1	1,529.2	722.0	364.2	240.7	102.2	51.1
1970	15,338.9	4,079.3	7,770.1	430.7	1,475.6	751.1	444.9	247.4	99.6	40.2
1971	15,542.5	4,228.3	7,587.5	480.2	1,644.6	728.9	458.8	210.2	141.1	63.1
1972	16,495.9	4,589.2	7,716.0	529.9	1,903.5	760.6	514.9	215.4	206.7	59.6
1973	16,800.2	4,762.2	7,731.3	582.4	1,916.6	725.3	578.2	183.1	256.8	64.4
1974	17,410.1	4,910.9	7,752.3	592.8	2,214.0	789.1	672.2	199.3	214.4	65.1
1975	19,038.8	5,354.0	8,423.2	703.7	2,411.4	935.1	702.3	219.9	227.6	61.6
1976	20,779.7	5,768.7	9,340.3	813.8	2,551.8	1,061.1	708.6	231.0	231.2	73.1
1977	23,450.4	6,011.7	10,717.2	1,112.7	2,905.5	1,313.1	800.0	263.9	238.0	88.2
1978	25,845.1	6,810.4	11,400.0	1,242.5	3,374.6	1,311.9	998.2	315.9	268.4	123.2
1979	28,145.1	7,417.5	12,172.4	1,318.1	3,888.8	1,488.3	1,026.5	368.7	310.1	154.7
1980	29,830.4	7,632.3	12,969.1	1,408.1	4,263.4	1,533.3	1,105.6	441.8	265.5	211.2
1981	33,103.9	8,425.7	14,867.9	1,413.9	4,465.8	1,791.0	1,068.8	525.2	222.2	323.4
1982	36,432.6	9,141.0	17,192.2	1,506.4	4,605.5	1,976.7	1,091.7	520.6	184.3	214.3
1983	38,711.5	10,581.9	17,019.7	1,501.2	4,966.4	2,393.9	1,241.6	581.3	186.0	239.5
1984	42,224.9	11,572.3	18,610.4	1,608.4	5,546.9	2,485.8	1,497.3	597.1	130.9	175.8
1985	48,359.6	12,945.4	21,704.9	1,790.8	6,339.7	2,816.4	1,699.2	689.2	129.4	244.5
1986	51,412.4	13,534.9	24,201.2	1,697.0	6,558.8	2,767.7	1,677.0	551.2	128.4	296.3
1987	55,253.7	13,413.1	26,768.2	1,860.0	7,337.3	3,209.6	1,711.4	510.6	148.2	295.3
1988	56,769.4	14,114.6	26,719.2	1,911.3	7,827.7	3,473.9	1,683.2	505.6	142.1	391.8
1989	61,406.5	15,024.6	28,547.9	2,056.3	8,672.0	3,497.1	1,999.9	522.0	167.4	919.4
1990	63,559.5	15,848.9	29,370.0	2,326.8	9,137.5	3,449.8	2,248.2	621.6	213.9	342.6
1991	61,295.2	15,138.2	26,420.6	2,168.3	10,168.5	3,603.8	2,637.4	679.4	215.1	263.9
1992	65,592.6	15,582.8	29,744.8	2,117.0	10,271.2	3,855.5	2,803.6	745.6	184.1	287.9
1993	67,314.0	16,663.3	30,219.0	1,451.3	11,208.4	3,614.2	2,811.9	753.4	320.3	272.2
1994	67,235.4	16,132.1	30,454.9	1,293.5	11,796.9	3,292.9	2,936.9	736.0	325.4	266.8
1995	68,186.8	17,024.8	30,236.1	1,201.8	11,927.5	3,561.6	2,834.1	825.1	316.5	259.2
1996	67,653.0	16,540.4	30,373.8	1,137.0	11,977.8	3,447.1	2,886.8	755.2	246.7	288.3
1997	69,826.8	16,718.2	31,419.3	1,128.2	12,559.0	3,701.0	2,961.6	821.0	261.1	257.5
1998	72,100.7	17,121.5	31,998.6	1,188.9	13,380.7	3,890.2	3,171.3	603.0	447.5	299.1
1999	75,340.6	18,084.7	31,901.7	1,328.0	14,959.1	3,896.4	3,608.7	913.2	357.5	291.4
2000	75,910.3	18,313.2	29,409.1	1,103.7	16,890.7	4,083.4	4,227.8	1,313.1	225.5	343.9
2001	84,492.5	22,046.7	28,236.7	1,381.7	20,065.1	4,840.0	5,390.0	1,602.8	453.3	476.2
2002	93,708.6	23,357.3	34,569.0	1,364.3	21,620.0	4,663.3	5,781.8	1,489.6	453.7	409.6
2003	103,527.3	25,118.5	40,694.5	1,522.3	23,005.8	4,845.1	5,766.0	1,613.5	404.6	556.9
2004	112,074.5	24,573.1	43,758.7	1,572.1	24,947.0	6,493.9	6,480.5	2,307.6	1,235.7	705.8
2005	118,847.9	25,871.1	48,867.9	1,704.6	25,687.5	6,506.3	6,705.3	2,164.2	689.9	651.1
2006	121,729.9	27,675.4	52,754.0	1,440.7	24,669.7	5,549.7	6,063.3	2,127.8	625.3	824.0
2007	127,262.9	29,932.5	55,342.3	2,691.6	25,547.8	4,171.2	5,984.4	2,520.3	362.0	710.6
2008	127,105.7	29,637.9	56,337.6	4,119.9	26,026.5	1,988.6	5,965.0	2,083.0	389.0	558.1
2009	141,092.5	31,546.4	59,749.3	4,067.1	31,557.7	3,402.7	7,049.7	2,730.7	392.0	596.9

TABLE 109. Federal obligations for research and development, by performer: FYs 1967–2012  
(Dollars in millions)

Fiscal year	Extramural									
	Total	Intramural <sup>a</sup>	United States and U.S. territories							Foreign
			Industry	Industry FFRDC	Universities and colleges	University FFRDC	Other nonprofits	Nonprofit FFRDC	State, local governments	
2010	140,354.5	30,911.8	59,867.8	3,946.2	31,192.3	3,370.5	7,245.3	2,784.1	426.7	609.9
2011 (preliminary)	132,140.6	32,065.9	54,781.5	3,946.4	27,803.4	3,239.0	6,306.9	3,102.8	400.9	493.8
2012 (preliminary)	130,952.4	29,691.3	55,080.2	4,033.5	28,708.0	3,116.7	6,335.3	3,085.8	398.1	503.5

FFRDC = federally funded research and development center.

<sup>a</sup> 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. From FY 2000 through FY 2007, Department of the Air Force (AF) did not report Budget Authority (BA) 6.7 Operational Systems Development data because agency misunderstood reporting requirements. During volume 57 (FYs 2007–09) data collection cycle, AF edited prior-year data from FY 2000 to FY 2007 to include BA 6.7 Operational Systems Development data.

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. In FY 2006 NASA reclassified as operational costs funding for Space Operations, Hubble Space Telescope, Stratospheric Observatory for Infrared Astronomy, and James Webb Space Telescope previously reported as R&D plant. 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.