

**Table 369.—Summary of federal funds for research, development, and R&D plant:  
Fiscal years 1992 to 2000**  
[In millions of current dollars]

Item	Actual							Estimate		Percent change, 1999 to 2000
	1992	1993	1994	1995	1996	1997	1998	1999	2000	
1	2	3	4	5	6	7	8	9	10	11
<b>Total outlays for research, development, and R &amp; D plant</b>	<b>\$65,719.0</b>	<b>\$68,385.8</b>	<b>\$68,335.9</b>	<b>\$68,410.0</b>	<b>\$67,756.1</b>	<b>\$70,892.0</b>	<b>\$72,295.6</b>	<b>\$75,412.6</b>	<b>\$75,122.7</b>	<b>-0.4</b>
Research and development	62,934.5	65,241.3	66,158.8	66,374.6	65,909.9	68,897.2	70,434.5	73,407.9	73,000.0	-0.6
R & D plant	2,784.5	3,144.5	2,177.1	2,035.4	1,846.2	1,994.8	1,861.1	2,004.7	2,122.7	5.9
<b>Total obligations for research, development, and R &amp; D plant</b>	<b>68,577.2</b>	<b>70,414.7</b>	<b>69,427.0</b>	<b>71,011.8</b>	<b>69,408.7</b>	<b>71,744.7</b>	<b>73,743.5</b>	<b>77,650.1</b>	<b>77,185.6</b>	<b>-0.6</b>
Research and development obligations	65,592.6	67,314.0	67,255.8	68,754.9	67,662.6	69,829.9	71,903.3	75,351.3	75,104.3	-0.3
Performers										
Federal intramural <sup>1</sup>	15,690.1	16,556.2	16,139.1	17,342.7	16,596.4	16,720.0	17,114.0	18,271.6	17,641.7	-3.4
Industrial firms	29,744.8	30,326.1	30,454.4	30,468.7	30,361.4	31,418.0	31,839.7	31,906.1	31,640.0	-0.8
FFRDCs <sup>2</sup> administered by industrial firms	2,009.8	1,451.3	1,293.5	1,203.9	1,137.0	1,128.2	1,188.8	1,294.6	1,337.0	3.3
Universities and colleges	10,271.2	11,156.1	11,828.7	11,933.0	11,944.7	12,561.1	13,365.9	14,981.6	15,191.3	1.4
FFRDCs <sup>2</sup> administered by universities and colleges	3,855.5	3,666.5	3,292.9	3,574.3	3,447.7	3,701.1	3,890.2	4,108.0	4,470.7	8.8
Other nonprofit institutions	2,803.6	2,811.9	2,929.6	2,806.5	2,886.9	2,962.1	3,155.1	3,477.4	3,472.9	-0.1
FFRDCs <sup>2</sup> administered by nonprofit institutions	745.6	753.4	735.5	831.4	754.5	821.0	603.0	656.4	670.5	2.2
State and local governments	184.1	320.3	325.4	316.5	246.7	261.1	447.5	414.1	420.1	1.4
Foreign	287.9	272.2	256.6	277.8	287.4	257.5	299.1	241.6	260.3	7.7
Research obligations	24,490.6	26,890.5	27,440.4	28,573.4	28,265.1	29,365.6	30,922.3	33,821.7	34,679.6	2.5
Performers										
Federal intramural <sup>1</sup>	6,615.7	7,360.1	7,488.2	7,787.8	7,528.2	7,667.2	7,964.7	8,440.1	8,775.7	4.0
Industrial firms	3,451.2	4,018.9	4,063.5	4,727.9	4,291.3	4,392.1	4,635.1	4,907.0	4,709.6	-4.0
FFRDCs <sup>2</sup> administered by industrial firms	592.4	795.8	737.2	818.0	696.2	759.6	844.1	896.4	947.7	5.7
Universities and colleges	9,060.7	9,844.1	10,323.5	10,371.6	10,673.7	11,173.2	11,741.0	13,191.7	13,421.8	1.7
FFRDCs <sup>2</sup> administered by universities and colleges	2,351.8	2,347.6	2,181.1	2,235.6	2,386.0	2,598.9	2,743.0	2,962.3	3,372.8	13.9
Other nonprofit institutions	2,049.6	2,041.3	2,094.9	2,056.1	2,179.5	2,294.9	2,425.2	2,729.8	2,761.6	1.2
FFRDCs <sup>2</sup> administered by nonprofit institutions	139.9	173.4	178.0	210.1	195.8	217.5	214.5	245.5	222.8	-9.3
State and local governments	109.3	211.8	230.8	221.4	187.4	144.0	240.1	329.8	345.5	4.8
Foreign	120.0	97.4	143.3	144.8	126.8	118.1	114.5	119.0	122.0	2.5
Fields of science										
Life sciences	9,910.5	10,772.1	11,078.8	11,979.0	12,099.7	12,661.3	13,557.6	15,385.4	15,561.7	1.1
Psychology	298.1	550.7	550.2	653.6	513.0	545.4	591.0	661.7	686.1	3.7
Physical sciences	4,439.2	4,427.0	6,792.7	4,851.2	3,964.4	4,148.7	4,209.7	4,456.5	4,719.3	5.9
Environmental sciences	2,207.6	2,608.5	2,032.0	2,722.9	2,997.0	3,045.7	3,062.0	3,171.1	3,209.0	1.2
Mathematics and computer sciences	1,150.3	1,225.4	1,242.3	1,667.9	1,554.1	1,671.8	1,836.8	2,008.0	2,131.1	6.1
Engineering	4,977.0	5,499.4	4,023.3	4,952.7	5,679.6	5,690.3	5,895.4	6,091.6	6,218.6	2.1
Social sciences	689.7	674.9	655.0	682.9	674.2	696.3	806.1	894.5	889.9	-0.5
Other sciences	806.3	1,132.5	1,066.1	1,063.2	783.0	906.1	963.7	1,152.9	1,263.8	9.6
Basic research obligations	12,489.9	13,391.1	13,552.9	13,895.5	14,462.4	14,942.2	15,613.0	17,366.9	18,209.4	4.9
Performers										
Federal intramural <sup>1</sup>	2,397.0	2,605.1	2,505.0	2,712.9	2,689.2	2,688.6	2,917.8	3,107.5	3,336.2	7.4
Industrial firms	920.3	959.2	1,109.1	1,221.2	1,131.0	1,166.7	1,119.7	1,292.5	1,439.6	11.4
FFRDCs <sup>2</sup> administered by industrial firms	187.8	237.3	237.6	239.1	272.8	294.7	326.4	336.9	338.8	0.6
Universities and colleges	6,331.8	6,798.5	7,024.2	6,951.3	7,406.1	7,695.8	7,952.2	8,931.6	9,226.9	3.3
FFRDCs <sup>2</sup> administered by universities and colleges	1,394.1	1,437.8	1,336.0	1,438.3	1,522.0	1,600.0	1,642.3	1,807.2	1,969.4	9.0
Other nonprofit institutions	1,097.2	1,164.9	1,125.7	1,134.2	1,235.2	1,289.6	1,397.6	1,601.4	1,623.7	1.4
FFRDCs <sup>2</sup> administered by nonprofit institutions	65.5	71.3	73.9	75.2	76.5	88.4	121.8	144.9	129.0	-10.9
State and local governments	42.4	71.7	75.2	78.7	80.2	68.4	84.9	89.3	87.8	-1.7
Foreign	53.8	53.3	66.1	44.5	49.5	49.9	50.4	55.6	58.0	4.3
Fields of science										
Life sciences	5,841.7	6,288.8	6,429.8	6,746.7	6,911.0	7,203.8	7,853.4	8,990.4	9,182.9	2.1
Psychology	122.6	246.8	247.4	279.8	281.5	293.9	312.0	357.4	376.7	5.4
Physical sciences	2,951.4	2,907.1	3,649.2	2,709.3	2,901.7	2,976.4	2,941.4	3,198.0	3,418.5	6.9
Environmental sciences	1,303.6	1,533.5	997.2	1,410.7	1,531.2	1,543.5	1,528.7	1,641.7	1,795.2	9.4
Mathematics and computer sciences	481.4	511.3	503.6	626.1	622.0	661.4	705.5	754.7	839.5	11.2
Engineering	1,249.8	1,207.4	1,061.7	1,432.2	1,606.6	1,583.0	1,594.4	1,653.5	1,803.4	9.1
Social sciences	139.9	194.1	191.7	210.8	230.0	221.0	224.8	249.1	252.6	1.4
Other sciences	399.4	510.1	472.4	479.9	378.3	459.3	452.7	522.2	540.6	3.5
Applied research obligations	12,000.7	13,491.4	13,887.5	14,677.9	13,802.7	14,423.4	15,309.3	16,454.8	16,470.1	0.1
Performers										
Federal intramural <sup>1</sup>	4,218.7	4,755.0	4,983.2	5,074.9	4,839.0	4,978.7	5,046.9	5,332.6	5,439.5	2.0
Industrial firms	2,530.9	3,059.7	2,954.4	3,506.7	3,160.3	3,225.5	3,515.4	3,614.5	3,270.0	-9.5
FFRDCs <sup>2</sup> administered by industrial firms	404.6	558.6	499.6	578.9	423.4	464.9	517.7	559.5	608.8	8.8
Universities and colleges	2,728.9	3,045.5	3,299.3	3,420.3	3,267.6	3,477.4	3,788.9	4,260.1	4,194.9	-1.5
FFRDCs <sup>2</sup> administered by universities and colleges	957.6	909.8	845.1	797.3	864.0	998.8	1,100.7	1,155.2	1,403.4	21.5
Other nonprofit institutions	952.5	876.4	969.2	921.9	944.3	1,005.3	1,027.7	1,128.4	1,137.9	0.8
FFRDCs <sup>2</sup> administered by nonprofit institutions	74.5	102.2	104.0	134.9	119.4	129.2	92.6	100.7	93.8	-6.8
State and local governments	66.9	140.1	155.5	142.7	107.3	75.5	155.2	240.5	257.8	7.2
Foreign	66.2	44.1	77.2	100.3	77.4	68.2	64.1	63.4	64.0	1.0
Fields of science										
Life sciences	4,068.8	4,483.3	4,649.0	5,232.3	5,188.7	5,457.6	5,704.1	6,395.0	6,378.8	-0.3
Psychology	175.6	303.9	302.9	373.9	231.5	251.5	279.0	304.3	309.4	1.7
Physical sciences	1,467.7	1,519.8	3,143.5	2,141.9	1,062.7	1,172.4	1,268.3	1,258.5	1,300.9	3.4
Environmental sciences	904.0	1,075.0	1,034.8	1,312.3	1,465.8	1,502.2	1,533.2	1,529.5	1,413.7	-7.6
Mathematics and computer sciences	678.9	714.1	738.7	1,041.7	932.1	1,010.5	1,131.4	1,253.3	1,291.5	3.0
Engineering	3,727.1	4,292.0	2,961.6	3,520.5	4,073.0	4,107.3	4,301.0	4,438.1	4,415.2	-0.5

**Table 369.—Summary of federal funds for research, development, and R&D plant:  
Fiscal years 1992 to 2000—Continued**  
[In millions of current dollars]

Item	Actual							Estimate		
	1992	1993	1994	1995	1996	1997	1998	1999	2000	Percent change, 1999 to 2000
1	2	3	4	5	6	7	8	9	10	11
Social sciences .....	549.8	480.8	463.3	472.0	444.2	475.3	581.3	645.4	637.3	-1.3
Other sciences .....	406.8	622.4	593.8	583.3	404.7	446.8	510.9	630.7	723.2	14.7
Development obligations .....	41,102.0	40,423.5	39,815.4	40,181.4	39,397.5	40,464.3	40,981.0	41,529.6	40,424.8	-2.7
Performers										
Federal intramural <sup>1</sup> .....	9,074.4	9,196.2	8,650.9	9,554.9	9,068.1	9,052.7	9,149.3	9,831.5	8,866.0	-9.8
Industrial firms .....	26,293.6	26,307.2	26,390.9	25,740.7	26,070.1	27,025.8	27,204.6	26,999.1	26,930.3	-0.3
FFRDCs <sup>2</sup> administered by industrial firms .....	1,417.4	655.5	556.3	385.9	440.7	368.6	344.7	398.2	389.3	-2.2
Universities and colleges .....	1,210.6	1,312.0	1,505.2	1,561.4	1,271.0	1,387.9	1,624.8	1,789.9	1,769.4	-1.1
FFRDCs <sup>2</sup> administered by universities and colleges .....	1,503.7	1,318.9	1,111.8	1,338.7	1,061.6	1,102.1	1,147.2	1,145.6	1,097.9	-4.2
Other nonprofit institutions .....	753.9	770.6	834.8	750.4	707.4	667.2	729.9	747.5	711.3	-4.8
FFRDCs <sup>2</sup> administered by nonprofit institutions .....	605.7	580.0	557.6	621.3	558.7	603.4	388.5	410.8	447.8	9.0
State and local governments .....	74.8	108.5	94.7	95.1	59.3	117.1	207.4	84.3	74.5	-11.6
Foreign .....	167.9	174.8	113.3	133.0	160.5	139.3	184.6	122.6	138.3	12.8
R & D plant obligations .....	2,984.6	3,100.7	2,171.2	2,256.9	1,746.1	1,914.8	1,840.2	2,298.8	2,081.2	-9.5
Performers										
Federal intramural <sup>1</sup> .....	506.2	432.0	392.6	482.6	405.1	608.3	475.3	717.4	476.6	-33.6
Industrial firms .....	1,014.4	1,048.2	746.8	696.6	465.4	389.8	487.7	570.8	516.6	-9.5
FFRDCs <sup>2</sup> administered by industrial firms .....	202.2	124.4	119.4	95.1	43.9	60.5	45.6	172.3	248.9	44.4
Universities and colleges .....	241.5	361.4	209.0	323.8	243.1	238.6	139.5	157.1	147.3	-6.2
FFRDCs <sup>2</sup> administered by universities and colleges .....	579.5	619.5	608.8	543.9	497.8	548.8	663.6	650.6	668.2	2.7
Other nonprofit institutions .....	393.9	415.6	20.9	25.6	23.4	16.7	10.9	10.4	10.2	-2.6
FFRDCs <sup>2</sup> administered by nonprofit institutions .....	46.3	65.5	72.9	62.6	66.1	52.0	12.1	14.6	12.0	-18.2
State and local governments .....	0.5	0.5	0.8	0.5	1.0	—	—	—	—	—
Foreign .....	0.0	33.4	0.2	26.1	0.5	0.1	5.5	5.5	1.5	-72.6

—Not available.

<sup>1</sup> Includes costs associated with the administration of intramural and extramural programs by federal personnel as well as actual intramural performance.

<sup>2</sup> Federally funded research and development centers.

NOTE: Some data have been revised from previously published figures. Detail may not sum to totals due to rounding.

SOURCE: National Science Foundation, *Federal Funds for Research and Development*, various years. (This table was prepared March 2000.)