

TABLE C-2. Summary of Federal funds for research, development, and R&D plant: FYs 2002-04
(Dollars in millions)

Character of work, performers, and field	2002	Preliminary			
		2003	Percent change 2002-2003	2004	Percent change 2003-2004
Total outlays for research and development and for R&D plant	85,100.8	95,139.5	11.8	100,756.4	5.9
Research and development	80,712.5	89,964.1	11.5	96,608.4	7.4
R&D plant	4,388.3	5,175.3	17.9	4,148.0	-19.9
Total obligations for research and development and for R&D plant	90,157.7	101,008.1	12.0	105,220.2	4.2
Research and development, total	85,853.0	95,755.8	11.5	101,054.7	5.5
By performers:					
Intramural ¹	21,044.8	23,243.9	10.4	24,164.1	4.0
Industry	29,538.2	34,052.1	15.3	37,671.0	10.6
Industry FFRDCs	1,351.1	1,583.1	17.2	1,521.0	-3.9
Universities and colleges	21,290.1	23,471.1	10.2	23,833.1	1.5
FFRDCs administered by universities and colleges	4,641.2	4,852.3	4.5	5,067.9	4.4
Other nonprofit institutions	5,739.1	6,266.9	9.2	6,579.0	5.0
Nonprofit FFRDCs	1,404.8	1,406.4	.1	1,430.8	1.7
State and local governments	452.2	528.6	16.9	474.4	-10.2
Foreign	391.6	351.4	-10.3	313.5	-10.8
Research, total	48,006.7	52,568.5	9.5	54,071.8	2.9
By performers:					
Intramural ¹	11,857.4	12,618.0	6.4	13,427.3	6.4
Industry	5,786.8	6,549.4	13.2	6,398.0	-2.3
Industry FFRDCs	937.3	1,052.5	12.3	1,071.9	1.8
Universities and colleges	20,285.4	22,379.8	10.3	22,933.6	2.5
FFRDCs administered by universities and colleges	3,219.4	3,409.2	5.9	3,469.2	1.8
Other nonprofit institutions	4,723.0	5,230.7	10.8	5,468.5	4.5
Nonprofit FFRDCs	749.6	780.1	4.1	797.4	2.2
State and local governments	275.5	340.6	23.6	306.5	-10.0
Foreign	172.3	208.1	20.8	199.4	-4.2
By fields of science:					
Life sciences	25,476.8	28,441.9	11.6	29,340.5	3.2
Psychology	905.9	1,009.4	11.4	1,050.4	4.1
Physical sciences	4,983.2	5,105.3	2.4	5,417.0	6.1
Environmental sciences	3,418.3	3,689.8	7.9	3,761.6	1.9
Mathematics and computer sciences	2,630.7	2,738.2	4.1	2,828.8	3.3
Engineering	8,274.9	9,074.0	9.7	9,127.1	.6
Social sciences	1,038.5	1,176.3	13.3	1,202.9	2.3
Other sciences, nec	1,278.4	1,333.6	4.3	1,343.6	.8
Basic research, total	23,668.3	25,599.9	8.2	26,643.1	4.1
By performers:					
Intramural ¹	4,460.0	4,880.5	9.4	5,354.9	9.7
Industry	1,231.9	1,434.6	16.5	1,648.0	14.9
Industry FFRDCs	239.6	269.5	12.5	278.2	3.2
Universities and colleges	12,668.2	13,568.1	7.1	13,723.5	1.1
FFRDCs administered by universities and colleges	1,805.2	1,911.3	5.9	1,989.0	4.1
Other nonprofit institutions	2,531.7	2,729.1	7.8	2,852.7	4.5
Nonprofit FFRDCs	563.4	594.7	5.5	594.1	-.1
State and local governments	71.5	91.5	27.9	93.0	1.5
Foreign	96.8	120.5	24.6	109.9	-8.8
By fields of science:					
Life sciences	14,024.1	15,190.1	8.3	15,428.4	1.6
Psychology	464.6	511.3	10.0	526.3	2.9
Physical sciences	3,405.9	3,661.8	7.5	3,937.1	7.5
Environmental sciences	1,833.3	1,964.5	7.2	2,093.1	6.5
Mathematics and computer sciences	998.7	1,065.7	6.7	1,123.6	5.4
Engineering	1,864.9	2,053.0	10.1	2,334.1	13.7
Social sciences	361.7	402.2	11.2	399.3	-.7
Other sciences, nec	715.2	751.3	5.1	801.2	6.6

See explanatory information, if any, and SOURCE at end of table.

TABLE C-2. Summary of Federal funds for research, development, and R&D plant: FYs 2002-04
(Dollars in millions)

Character of work, performers, and field	2002	Preliminary			
		2003	Percent change 2002-2003	2004	Percent change 2003-2004
Applied research, total	24,338.4	26,968.6	10.8	27,428.7	1.7
By performers:					
Intramural ¹	7,397.4	7,737.4	4.6	8,072.4	4.3
Industry	4,554.9	5,114.8	12.3	4,750.0	-7.1
Industry FFRDCs	697.7	783.0	12.2	793.7	1.4
Universities and colleges	7,617.2	8,811.6	15.7	9,210.2	4.5
FFRDCs administered by universities and colleges	1,414.1	1,497.9	5.9	1,480.2	-1.2
Other nonprofit institutions	2,191.3	2,501.6	14.2	2,615.8	4.6
Nonprofit FFRDCs	186.2	185.5	-.4	203.3	9.6
State and local governments	204.0	249.1	22.1	213.5	-14.3
Foreign	75.6	87.6	15.9	89.6	2.3
By fields of science:					
Life sciences	11,452.7	13,251.9	15.7	13,912.0	5.0
Psychology	441.3	498.1	12.9	524.1	5.2
Physical sciences	1,577.4	1,443.4	-8.5	1,479.9	2.5
Environmental sciences	1,585.0	1,725.3	8.9	1,668.5	-3.3
Mathematics and computer sciences	1,632.0	1,672.5	2.5	1,705.2	2.0
Engineering	6,410.0	7,021.0	9.5	6,793.0	-3.2
Social sciences	676.9	774.1	14.4	803.6	3.8
Other sciences, nec	563.3	582.3	3.4	542.4	-6.8
Development, total	37,846.3	43,187.3	14.1	46,982.9	8.8
By performers:					
Intramural ¹	9,187.4	10,625.9	15.7	10,736.8	1.0
Industry	23,751.4	27,502.7	15.8	31,273.0	13.7
Industry FFRDCs	413.7	530.5	28.2	449.1	-15.4
Universities and colleges	1,004.7	1,091.4	8.6	899.4	-17.6
FFRDCs administered by universities and colleges	1,421.8	1,443.1	1.5	1,598.7	10.8
Other nonprofit institutions	1,016.1	1,036.2	2.0	1,110.5	7.2
Nonprofit FFRDCs	655.2	626.3	-4.4	633.4	1.1
State and local governments	176.7	188.0	6.3	168.0	-10.6
Foreign	219.2	143.3	-34.6	114.1	-20.4
R&D plant, total	4,304.7	5,252.3	22.0	4,165.5	-20.7
By performers supported:					
Intramural	414.8	971.6	134.2	406.6	-58.1
Industry	2,524.9	2,381.5	-5.7	2,431.0	2.1
Industry FFRDCs	109.1	144.6	32.6	168.3	16.4
Universities and colleges	241.1	703.1	191.6	265.7	-62.2
FFRDCs administered by universities and colleges	583.3	573.9	-1.6	614.0	7.0
Other nonprofit institutions	29.1	139.6	380.5	26.8	-80.8
Nonprofit FFRDCs	388.8	326.3	-16.1	241.4	-26.0
State and local governments	2.0	.0	-100.0	.0	.0
Foreign	11.7	11.6	-.1	11.7	.1

¹ Includes costs associated with the administration of intramural and extramural programs by Federal personnel as well as actual intramural performance.

FFRDCs = Federally funded research and development centers.

nec = Not elsewhere classified.

R&D = Research and development.

NOTES: Because of rounding, detail may not add to totals. Percentages are computed using dollars in thousands.

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Federal Funds for Research and Development: FYs 2002, 2003, and 2004.