

TABLE 2. Summary of federal funds for research, development, and R&D plant: FY 2003–05
(Dollars in millions)

Character of work, performer, and field	2003	2004	Preliminary		
			% change 2003–04	2005	% change 2004–05
Outlays for research and development and for R&D plant	93,938.6	100,939.2	7.5	106,722.7	5.7
Research and development	89,780.7	97,273.9	8.3	103,086.9	6.0
R&D plant	4,157.9	3,665.2	-11.8	3,635.8	-0.8
Obligations for research and development and for R&D plant	97,927.9	106,488.4	8.7	110,193.1	3.5
Research and development	93,661.3	102,720.5	9.7	106,486.7	3.7
Performer					
Intramural ^a	22,861.6	24,718.4	8.1	24,812.1	0.4
Industry	33,852.7	38,935.6	15.0	42,937.8	10.3
Industry FFRDCs	1,507.6	1,562.4	3.6	1,639.3	4.9
Universities and colleges	22,693.5	23,960.8	5.6	23,900.3	-0.3
University and college FFRDCs	4,754.2	4,951.5	4.1	4,955.4	0.1
Other nonprofit institutions	5,706.7	6,106.2	7.0	5,971.5	-2.2
Nonprofit FFRDCs	1,352.8	1,587.6	17.4	1,463.9	-7.8
State and local governments	400.0	501.3	25.3	419.3	-16.4
Foreign	532.4	396.8	-25.5	387.1	-2.4
Research	51,071.8	54,449.7	6.6	54,698.0	0.5
Performer					
Intramural ^a	12,419.6	13,298.5	7.1	13,282.5	-0.1
Industry	6,042.4	6,607.9	9.4	6,686.8	1.2
Industry FFRDCs	1,103.5	1,157.7	4.9	1,232.8	6.5
Universities and colleges	21,676.5	22,865.5	5.5	22,994.5	0.6
University and college FFRDCs	3,272.6	3,493.6	6.8	3,518.3	0.7
Other nonprofit institutions	5,196.3	5,544.4	6.7	5,520.0	-0.4
Nonprofit FFRDCs	779.0	829.8	6.5	845.8	1.9
State and local governments	305.8	363.7	18.9	327.4	-10.0
Foreign	276.1	288.6	4.5	289.9	0.5
Field of science					
Environmental sciences	3,740.9	3,957.3	5.8	3,915.9	-1.0
Life sciences	27,772.2	29,745.9	7.1	29,790.6	0.2
Mathematics and computer sciences	2,672.5	2,805.8	5.0	2,841.4	1.3
Physical sciences	5,021.6	5,384.3	7.2	5,373.4	-0.2
Psychology	1,104.4	1,149.8	4.1	1,157.0	0.6
Social sciences	1,025.8	1,067.2	4.0	1,081.4	1.3
Sciences, nec	1,329.3	1,295.8	-2.5	1,391.2	7.4
Engineering	8,405.1	9,043.6	7.6	9,147.1	1.1
Basic research	24,751.4	26,436.4	6.8	26,860.3	1.6
Performer					
Intramural ^a	4,662.1	4,814.2	3.3	5,106.5	6.1
Industry	1,279.6	1,677.4	31.1	1,674.8	-0.2
Industry FFRDCs	312.8	332.4	6.3	342.2	2.9
Universities and colleges	13,151.8	13,759.5	4.6	13,924.5	1.2
University and college FFRDCs	1,827.8	2,037.1	11.4	1,985.0	-2.6
Other nonprofit institutions	2,703.9	2,951.5	9.2	2,920.6	-1.0
Nonprofit FFRDCs	582.1	621.0	6.7	655.1	5.5
State and local governments	85.4	89.5	4.8	93.1	4.0
Foreign	146.1	153.8	5.3	158.5	3.1

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			% change 2003–04			
Field of science						
Environmental sciences	1,899.5	2,145.3	12.9		2,127.1	-0.9
Life sciences	14,765.3	15,494.9	4.9		15,669.0	1.1
Mathematics and computer sciences	1,120.2	1,171.4	4.6		1,186.3	1.3
Physical sciences	3,454.0	3,850.2	11.5		3,849.8	0.0
Psychology	543.8	559.0	2.8		574.4	2.8
Social sciences	352.8	357.9	1.4		369.9	3.3
Sciences, nec	702.7	705.6	0.4		721.8	2.3
Engineering	1,913.1	2,152.0	12.5		2,362.0	9.8
Applied research	26,320.4	28,013.3	6.4		27,837.7	-0.6
Performer						
Intramural ^a	7,757.5	8,484.3	9.4		8,175.9	-3.6
Industry	4,762.8	4,930.5	3.5		5,012.0	1.7
Industry FFRDCs	790.7	825.2	4.4		890.6	7.9
Universities and colleges	8,524.7	9,106.0	6.8		9,070.0	-0.4
University and college FFRDCs	1,444.8	1,456.6	0.8		1,533.3	5.3
Other nonprofit institutions	2,492.5	2,592.9	4.0		2,599.4	0.2
Nonprofit FFRDCs	197.0	208.8	6.0		190.7	-8.7
State and local governments	220.4	274.2	24.4		234.3	-14.5
Foreign	130.0	134.8	3.7		131.4	-2.5
Field of science						
Environmental sciences	1,841.4	1,812.0	-1.6		1,788.8	-1.3
Life sciences	13,007.0	14,251.0	9.6		14,121.6	-0.9
Mathematics and computer sciences	1,552.2	1,634.4	5.3		1,655.1	1.3
Physical sciences	1,567.6	1,534.1	-2.1		1,523.6	-0.7
Psychology	560.6	590.8	5.4		582.5	-1.4
Social sciences	673.0	709.2	5.4		711.6	0.3
Sciences, nec	626.6	590.2	-5.8		669.4	13.4
Engineering	6,492.0	6,891.6	6.2		6,785.1	-1.5
Development	42,589.5	48,270.9	13.3		51,788.7	7.3
Performer						
Intramural ^a	10,442.0	11,419.9	9.4		11,529.7	1.0
Industry	27,810.3	32,327.7	16.2		36,251.0	12.1
Industry FFRDCs	404.1	404.7	0.2		406.5	0.4
Universities and colleges	1,017.0	1,095.3	7.7		905.8	-17.3
University and college FFRDCs	1,481.6	1,457.9	-1.6		1,437.1	-1.4
Other nonprofit institutions	510.3	561.7	10.1		451.5	-19.6
Nonprofit FFRDCs	573.7	757.7	32.1		618.0	-18.4
State and local governments	94.1	137.6	46.2		91.9	-33.2
Foreign	256.3	108.3	-57.8		97.3	-10.2
R&D plant	4,266.5	3,767.8	-11.7		3,706.4	-1.6
Performer						
Intramural ^a	609.7	464.2	-23.9		476.2	2.6
Industry	1,817.0	1,875.5	3.2		1,895.8	1.1
Industry FFRDCs	145.7	182.4	25.2		83.7	-54.1
Universities and colleges	686.9	347.2	-49.5		395.8	14.0
University and college FFRDCs	578.4	568.7	-1.7		541.9	-4.7

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Other nonprofit institutions	70.7	54.8	-22.5	60.3	10.0
Nonprofit FFRDCs	333.9	250.8	-24.9	228.3	-9.0
State and local governments	0.8	0.8	3.5	0.9	10.0
Foreign	23.4	23.4	0.0	23.4	0.0

FFRDCs = federally funded research and development centers.

nec = not elsewhere classified.

^a Includes costs associated with administration of intramural and extramural programs by federal personnel and actual intramural performance.

NOTES: Because of rounding, detail may not add to total. Percentages are computed using dollars in thousands. Totals on this table do not include Department of Homeland Security.

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Federal Funds for Research and Development: FY 2003, 2004, and 2005.