

**Table C-2. Summary of Federal funds for research and development and for R&D plant:
fiscal years 2000, 2001, and 2002**

[Dollars in millions]

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Character of work, performers, and field	2000	Preliminary			
		2001	Percent change 2000-2001	2002	Percent change 2001-2002
Total outlays for research and development and for R&D plant	74,077.0	80,159.4	8.2	82,814.4	3.3
Research and development	69,807.3	75,676.5	8.4	78,334.9	3.5
R&D plant	4,269.7	4,482.9	5.0	4,479.5	-1
Total obligations for research and development and for R&D plant	77,356.1	85,452.2	10.5	84,938.4	-6
Research and development, total	72,863.2	80,898.1	11.0	80,645.5	-3
By performers:					
Intramural ¹	17,149.8	18,719.5	9.2	18,285.2	-2.3
Industrial firms	27,735.5	30,323.3	9.3	29,815.0	-1.7
FFRDCs administered by industrial firms	1,100.9	1,446.2	31.4	1,397.4	-3.4
Universities and colleges	16,815.1	19,614.9	16.7	20,198.9	3.0
FFRDCs administered by universities and colleges	4,053.2	4,367.8	7.8	4,213.8	-3.5
Other nonprofit institutions	4,216.6	4,818.3	14.3	5,090.9	5.7
FFRDCs administered by nonprofit institutions	1,231.5	1,117.2	-9.3	1,118.9	.2
State and local governments	224.0	256.6	14.5	269.3	4.9
Foreign	336.7	234.3	-30.4	256.1	9.3
Research, total	38,470.5	43,836.0	13.9	45,326.9	3.4
By performers:					
Intramural ¹	9,449.6	10,433.2	10.4	10,701.1	2.6
Industrial firms	4,801.2	5,454.5	13.6	5,706.9	4.6
FFRDCs administered by industrial firms	700.3	887.5	26.7	889.3	.2
Universities and colleges	16,015.9	18,773.4	17.2	19,495.4	3.8
FFRDCs administered by universities and colleges	2,773.2	3,040.4	9.6	2,940.3	-3.3
Other nonprofit institutions	3,719.8	4,255.9	14.4	4,586.1	7.8
FFRDCs administered by nonprofit institutions	696.1	658.1	-5.5	655.2	-4
State and local governments	162.5	184.1	13.3	203.3	10.4
Foreign	152.0	148.9	-2.0	149.3	.2
By fields of science:					
Life sciences	17,964.7	21,118.1	17.6	22,204.3	5.1
Psychology	1,626.7	1,870.8	15.0	2,075.3	10.9
Physical sciences	4,787.9	5,162.9	7.8	5,144.8	-4
Environmental sciences	3,328.8	3,660.6	10.0	3,644.2	-4
Mathematics and computer sciences	2,205.6	2,458.3	11.5	2,617.9	6.5
Engineering	6,346.4	7,090.6	11.7	7,031.5	-8
Social sciences	1,050.3	1,216.2	15.8	1,271.0	4.5
Other sciences, n.e.c.	1,160.2	1,258.6	8.5	1,338.0	6.3
Basic research, total	19,569.8	22,704.7	16.0	23,399.3	3.1
By performers:					
Intramural ¹	3,621.8	3,953.7	9.2	4,270.8	8.0
Industrial firms	1,356.5	1,862.3	37.3	1,828.2	-1.8
FFRDCs administered by industrial firms	171.3	229.9	34.2	243.9	6.1
Universities and colleges	10,056.7	11,894.7	18.3	12,178.2	2.4
FFRDCs administered by universities and colleges	1,674.0	1,822.9	8.9	1,687.5	-7.4
Other nonprofit institutions	1,985.3	2,263.8	14.0	2,507.4	10.8
FFRDCs administered by nonprofit institutions	521.6	491.9	-5.7	497.6	1.1
State and local governments	75.7	87.3	15.4	94.8	8.5
Foreign	106.9	98.1	-8.2	90.9	-7.3
By fields of science:					
Life sciences	10,049.0	11,951.7	18.9	12,537.6	4.9
Psychology	817.8	944.0	15.4	1,044.9	10.7
Physical sciences	3,470.6	3,852.2	11.0	3,835.5	-4
Environmental sciences	1,838.4	2,058.4	12.0	2,055.6	-1
Mathematics and computer sciences	798.3	923.1	15.6	927.5	.5
Engineering	1,764.2	2,071.8	17.4	2,024.8	-2.3
Social sciences	308.0	341.7	10.9	355.1	3.9
Other sciences, n.e.c.	523.6	561.7	7.3	618.3	10.1

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

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[Dollars in millions]

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Character of work, performers, and field	2000	Preliminary			
		2001	Percent change 2000-2001	2002	Percent change 2001-2002
Applied research, total	18,900.7	21,131.3	11.8	21,927.6	3.8
By performers:					
Intramural ¹	5,827.8	6,479.4	11.2	6,430.3	-8
Industrial firms	3,444.6	3,592.2	4.3	3,878.8	8.0
FFRDCs administered by industrial firms	528.9	657.6	24.3	645.4	-1.9
Universities and colleges	5,959.2	6,878.7	15.4	7,317.2	6.4
FFRDCs administered by universities and colleges	1,099.2	1,217.5	10.8	1,252.8	2.9
Other nonprofit institutions	1,734.6	1,992.1	14.8	2,078.7	4.3
FFRDCs administered by nonprofit institutions	174.5	166.2	-4.7	157.6	-5.2
State and local governments	86.9	96.8	11.4	108.5	12.1
Foreign	45.1	50.8	12.7	58.4	14.8
By fields of science:					
Life sciences	7,915.7	9,166.4	15.8	9,666.7	5.5
Psychology	808.9	926.8	14.6	1,030.4	11.2
Physical sciences	1,317.3	1,310.7	-5	1,309.3	-1
Environmental sciences	1,490.3	1,602.1	7.5	1,588.6	-8
Mathematics and computer sciences	1,407.3	1,535.1	9.1	1,690.3	10.1
Engineering	4,582.2	5,018.8	9.5	5,006.7	-2
Social sciences	742.3	874.4	17.8	916.0	4.7
Other sciences, n.e.c.	636.6	696.8	9.5	719.6	3.3
Development, total	34,392.7	37,062.1	7.8	35,318.5	-4.7
By performers:					
Intramural ¹	7,700.2	8,286.4	7.6	7,584.2	-8.5
Industrial firms	22,934.4	24,868.8	8.4	24,108.0	-3.1
FFRDCs administered by industrial firms	400.6	558.7	39.5	508.1	-9.1
Universities and colleges	799.3	841.5	5.3	703.4	-16.4
FFRDCs administered by universities and colleges	1,279.9	1,327.4	3.7	1,273.5	-4.1
Other nonprofit institutions	496.8	562.4	13.2	504.8	-10.2
FFRDCs administered by nonprofit institutions	535.4	459.1	-14.3	463.8	1.0
State and local governments	61.5	72.4	17.8	66.0	-8.9
Foreign	184.7	85.4	-53.8	106.8	25.1
R&D plant, total	4,492.8	4,554.1	1.4	4,293.0	-5.7
By performers supported:					
Intramural	573.3	530.5	-7.5	507.3	-4.4
Industrial firms	2,814.6	2,733.0	-2.9	2,475.3	-9.4
FFRDCs administered by industrial firms	27.6	47.7	72.9	62.8	31.7
Universities and colleges	213.5	252.6	18.3	265.6	5.2
FFRDCs administered by universities and colleges	613.8	574.3	-6.4	535.1	-6.8
Other nonprofit institutions	55.5	64.1	15.3	62.1	-3.1
FFRDCs administered by nonprofit institutions	193.5	351.7	81.8	384.1	9.2
State and local governments9	.2	-77.4	.5	131.5
Foreign1	.2	8.3	.2	.0

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

KEY: FFRDCs = Federally funded research and development centers
n.e.c. = Not elsewhere classified

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

Beginning in the fiscal year 2000, the National Institutes of Health classified all of its development activities as research.

Beginning in fiscal year 2000, the National Aeronautics & Space Administration reclassified Space Station as a physical asset and Space Station Research as equipment, and transferred funding for the program from R&D to R&D plant.

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Federal Funds for Research and Development: Fiscal Years 2000, 2001, and 2002