Table C-19. Federal obligations for research, by detailed field of science and engineering: fiscal years 2001, 2002, and 2003

[Dollars in thousands]

Field of science and engineering	2001	Preliminary	
		2002	2003
Total, all fields	44,713,736	49,808,767	53,376,884
Life sciences, total	23,057,305	25,868,385	28,672,784
Biological (excluding environmental)	12,379,954	NA	NA
Environmental biology	728,802	NA	NA
Agricultural	1,007,686	NA	NA
Medical	6,585,198	NA	NA
Life sciences, n.e.c.	2,355,665	NA	NA
Psychology, total	741,926	838,637	955,171
Biological aspects	13,639	NA	NA
Social aspects	59,799	NA	NA
Psychological sciences, n.e.c.	668,488	NA	NA
Physical sciences, total	4,600,770	5,145,158	5,200,445
Astronomy	759,195	NA	NA
Chemistry	1,024,918	NA	NA
Physics	2,461,747	NA	NA
Physical sciences, n.e.c.	354,910	NA	NA
Environmental sciences, total	3,251,676	3,667,503	3,878,793
Atmospheric	1,113,559	NA	NA
Geological	673,782	NA	NA
Oceanography	681,084	NA	NA
Environmental sciences, n.e.c.	783,251	NA	NA
Mathematics & computer sciences, total	2,610,603	2,751,255	2,866,091
Mathematics	396,381	NA	NA
Computer sciences	2,022,782	NA	NA
Mathematics & computer sciences, n.e.c.	191,440	NA	NA
Engineering, total	8,197,018	8,951,400	9,160,639
Aeronautical	2,430,055	NA	NA
Astronautical	752,732	NA	NA
Chemical	199,036	NA	NA
Civil	288,422	NA	NA
Electrical	889,720	NA	NA
Mechanical	319,249	NA	NA
Metallurgy & materials	1,080,822	NA	NA
Engineering, n.e.c.	2,236,982	NA	NA
Social sciences, total	1,008,632	1,027,186	1,050,327
Anthropology	15,606	NA	NA
Economics	234,064	NA	NA
Political science	19,518	NA	NA
Sociology	95,471	NA	NA
Social sciences, n.e.c.	643,973	NA	NA
Other sciences, n.e.c.	1,245,806	1,559,243	1,592,634

KEY: NA = Not available (indicates that the data collected for this table were not recorded at that level in that particular fiscal year)
n.e.c. = Not elsewhere classified

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Federal Funds for Research and Development: Fiscal Years 2001, 2002, and 2003