TABLE 33

Federal obligations for applied research, by detailed field of R&D: FYs 2021–22 (Dollars in thousands)

Field	2021	2022 (preliminary)
All fields	43,750,114	44,673,778
Computer and information sciences	3,085,502	3,493,397
Geosciences, atmospheric sciences, and ocean sciences	1,796,822	2,483,997
Atmospheric science and meteorology	327,323	NA
Geological and earth sciences	287,382	NA
Ocean sciences and marine sciences	606,458	NA
Other geosciences, atmospheric sciences, and ocean sciences	575,659	NA
Life sciences	19,169,498	19,323,075
Agricultural sciences	485,954	NA
Biological and biomedical sciences	8,465,964	N/
Health sciences	8,175,797	N/
Natural resources and conservation	195,054	N/
Other life sciences	1,846,730	N/
Mathematics and statistics	212,312	196,748
Physical sciences	1,612,352	2,374,856
Astronomy and astrophysics	518	NA NA
Chemistry	348,827	N/
Materials science	215,194	N/
Physics	608,578	N/
Other physical sciences	439,235	N/
Psychology	1,835,546	1,846,335
Biological aspects	457	NA NA
Social aspects	33,704	NA NA
Other psychological sciences	1,801,385	N/
Social sciences	832,410	907,402
Anthropology	19,931	NA NA
Economics	175,443	NA NA
Political science and government	9,305	NA NA
Sociology, demography, and population studies	67,754	NA NA
Other social sciences	559,977	N/
Engineering	10,223,332	10,629,283
Aerospace, aeronautical, and astronautical engineering	1,508,118	10,023,200 NA
Bioengineering and biomedical engineering	13,076	NA NA
Chemical engineering	611,820	NA NA
Civil engineering	578,925	NA NA
Electrical, electronics, and communications engineering	687,331	NA NA
Industrial and manufacturing engineering	250,266	NA NA
Mechanical engineering	175,092	NA NA
Metallurgical and materials engineering	572,643	NA NA
Other engineering	5,826,062	NA NA
Other fields	4,982,338	3,418,685
Business management and business administration		3,416,080 NA
Communication and communications technologies	86,123 12,257	NA NA
Education research		NA NA
	627,270	
Humanities	^ סדכ	N/
Law	370	NA NA
Social work	0	NA NA
Visual and performing arts	4 256 204	NA NA
All other fields	4,256,284	NA NA

^{* =} amount greater than \$0 but less than \$50,000.

National Center for Science and Engineering Statistics | NSF 24-309

NA = not available; data were not collected at that level for that fiscal year.

Note(s):

Because of rounding, detail may not add to total. FYs 2021 and 2022 obligations include additional funding provided by supplemental COVID-19 pandemic-related appropriations (e.g., Coronavirus Aid, Relief, and Economic Security [CARES] Act). As of volume 71 (FYs 2021–22), the fields of R&D (formerly, "fields of science and engineering") were revised for consistency with other National Center for Science and Engineering Statistics surveys; some fields were added, merged, or split, and some fields were renamed. Therefore, the data are not directly comparable with totals reported in previous years. See technical table A-3 for additional notes associated with the taxonomy changes to the fields listed in this table.

Source(s)

National Center for Science and Engineering Statistics, Survey of Federal Funds for Research and Development, FYs 2021-22.