

TABLE 28

Federal obligations for basic research, by detailed field of R&D: FYs 2023–24

(Dollars in thousands)

Field	2023	2024 (preliminary)
All fields	47,335,244	47,472,596
Computer and information sciences	2,342,308	2,306,780
Geosciences, atmospheric sciences, and ocean sciences	3,660,536	3,718,843
Atmospheric science and meteorology	583,056	NA
Geological and earth sciences	298,537	NA
Ocean sciences and marine sciences	512,782	NA
Other geosciences, atmospheric sciences, and ocean sciences	2,266,161	NA
Life sciences	18,352,752	18,350,638
Agricultural sciences	670,960	NA
Biological and biomedical sciences	9,567,192	NA
Health sciences	6,006,898	NA
Natural resources and conservation	45,848	NA
Other life sciences	2,061,854	NA
Mathematics and statistics	670,949	650,236
Physical sciences	9,531,796	9,990,658
Astronomy and astrophysics	1,339,337	NA
Chemistry	1,170,135	NA
Materials science	402,353	NA
Physics	3,053,483	NA
Other physical sciences	3,566,489	NA
Psychology	2,512,992	2,502,812
Biological aspects	16,234	NA
Social aspects	12,577	NA
Other psychological sciences	2,484,181	NA
Social sciences	1,165,896	1,149,638
Anthropology	37,318	NA
Economics	84,027	NA
Political science and government	811	NA
Sociology, demography, and population studies	48,194	NA
Other social sciences	995,545	NA
Engineering	4,344,616	4,178,441
Aerospace, aeronautical, and astronautical engineering	264,562	NA
Bioengineering and biomedical engineering	95,600	NA
Chemical engineering	122,641	NA
Civil engineering	73,354	NA
Electrical, electronics, and communications engineering	241,998	NA
Industrial and manufacturing engineering	67,051	NA
Mechanical engineering	137,398	NA
Metallurgical and materials engineering	305,057	NA
Other engineering	3,036,955	NA
Other fields	4,753,399	4,624,549
Business management and business administration	128,514	NA
Communication and communications technologies	636	NA
Education research	411,250	NA
Humanities	292	NA
Law	6,077	NA
Social work	0	NA
Visual and performing arts	0	NA
All other fields	4,206,631	NA

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.

Source(s):

National Center for Science and Engineering Statistics, Survey of Federal Funds for Research and Development, FYs 2023–24.