

**Table 3****Doctorate-holding nonfaculty researchers in science, engineering, and health fields, by sex and broad field: 2017–19**

(Number and percent change)

Broad field	2017	2018	2019	Percent change 2017–19
All surveyed fields	28,180	29,284	30,349	7.7
Male	16,580	17,468	17,980	8.4
Female	11,600	11,816	12,369	6.6
Science and engineering	20,542	21,848	22,728	10.6
Science	17,268	18,278	18,819	9.0
Agricultural sciences	496	565	645	30.0
Biological and biomedical sciences	8,203	8,250	8,229	0.3
Computer and information sciences	476	515	510	7.1
Geosciences, atmospheric sciences, and ocean sciences	1,794	2,106	2,177	21.3
Mathematics and statistics	240	266	305	27.1
Multidisciplinary and interdisciplinary studies	806	832	820	1.7
Natural resources and conservation	364	580	582	59.9
Physical sciences	2,871	3,056	3,316	15.5
Psychology	494	507	576	16.6
Social sciences	1,524	1,601	1,659	8.9
Engineering	3,274	3,570	3,909	19.4
Bioengineering and biomedical engineering	415	440	492	18.6
Chemical engineering	281	257	328	16.7
Civil engineering	422	414	492	16.6
Electrical, electronics, and communications engineering	557	588	637	14.4
Engineering science, mechanics, and physics	200	220	186	-7.0
Industrial and manufacturing engineering	119	105	137	15.1
Mechanical engineering	458	489	531	15.9
Metallurgical and materials engineering	181	215	242	33.7
Other engineering <sup>a</sup>	641	842	864	34.8
Health	7,638	7,436	7,621	-0.2
Clinical medicine	6,448	6,159	6,273	-2.7
Other health	1,190	1,277	1,348	13.3

<sup>a</sup> Other engineering includes aerospace, aeronautical, and astronautical engineering; agricultural engineering; biological and biosystems engineering; mining engineering; nanotechnology; nuclear engineering; petroleum engineering; and engineering not elsewhere classified.

**Note(s):**

Broad field refers to the field of the unit that reports doctorate-holding nonfaculty researchers.

**Source(s):**

National Center for Science and Engineering Statistics, Survey of Graduate Students and Postdoctorates in Science and Engineering.