

TABLE 7

**U.S. residing doctoral scientists and engineers, by fine field of doctorate and disability status: 2019**

(Number and SE)

Field of study	Total		With disability		Without disability	
	Number	SE	Number	SE	Number	SE
All fields	1,008,950	1,450	95,700	1,450	913,250	1,675
Science	761,850	1,425	75,400	1,225	686,400	1,525
Biological, agricultural, and environmental life sciences	258,550	850	23,600	700	234,950	1,025
Agricultural and food sciences	21,700	300	2,250	175	19,450	325
Agricultural sciences	1,400	50	150	50	1,250	50
Animal sciences	5,300	150	500	100	4,750	150
Food sciences and technology	4,650	125	350	75	4,350	150
Plant sciences	7,550	200	1,000	125	6,550	225
Soil sciences	2,800	100	200	50	2,550	100
Biochemistry and biophysics	35,350	375	2,800	300	32,550	475
Biochemistry	29,450	325	2,250	300	27,200	475
Biophysics	5,900	150	550	100	5,350	175
Cell, cellular biology, and molecular biology	34,850	325	3,050	300	31,850	425
Microbiological sciences and immunology	27,600	300	2,150	250	25,400	350
Immunology	9,850	150	850	150	9,000	175
Microbiological sciences	17,700	250	1,300	200	16,400	300
Natural resources and conservation	10,950	200	1,350	150	9,600	225
Fish, fisheries, wildlife and wildlands science and management	2,850	100	350	75	2,450	100
Forestry	3,250	100	400	100	2,850	125
Natural resource conservation, research, management, and policy	4,900	125	600	125	4,300	150
Zoology	9,850	200	1,200	125	8,650	225
Other biological sciences	118,200	550	10,850	425	107,400	700
Biomathematics, bioinformatics, and computational biology	5,550	100	450	75	5,150	125
Botany and plant biology	8,150	225	1,100	150	7,050	225
Epidemiology, ecology, and population biology	18,400	225	1,550	175	16,850	275
Genetics	9,950	125	850	150	9,100	200
Neurobiology and neuroscience	17,700	250	1,200	175	16,450	300
Nutrition sciences	5,000	100	450	75	4,550	125
Pharmacology and toxicology	14,850	175	1,400	200	13,450	250
Physiology, pathology, and related sciences	17,950	250	1,750	200	16,250	275
Biological and biomedical sciences, general	14,350	250	1,300	200	13,100	300
Biological and biomedical sciences, other	6,250	100	800	125	5,450	150
Computer and information sciences	33,650	375	2,650	250	31,000	425
Computer science	28,700	375	2,100	250	26,600	425
Information science, studies	3,050	75	400	75	2,650	100
Computer and information sciences, other	1,900	50	150	50	1,700	50
Mathematics and statistics	43,800	375	4,400	300	39,400	450
Applied mathematics	9,500	175	850	125	8,650	200
Mathematics	20,750	300	2,100	175	18,650	350
Statistics	8,700	225	850	175	7,850	250
Mathematics and statistics, other	4,800	125	650	100	4,200	150
Physical sciences, geosciences, atmospheric sciences, and ocean sciences	161,450	825	14,850	525	146,600	825
Astronomy and astrophysics	6,700	150	550	100	6,150	150
Chemistry, except biochemistry	80,650	475	7,450	400	73,200	575
Inorganic chemistry	10,550	200	850	150	9,750	225
Organic chemistry	22,850	300	1,950	250	20,850	325
Chemistry, other, except biochemistry	47,300	350	4,650	300	42,600	425
Geosciences, atmospheric sciences, and ocean sciences	26,250	275	2,800	175	23,450	300
Atmospheric sciences and meteorology	4,450	75	400	50	4,050	75

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Field of study	Total		With disability		Without disability	
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Geological and earth sciences, geosciences	16,450	250	1,800	175	14,600	275
Ocean sciences and marine sciences	2,400	75	200	50	2,150	75
Oceanography, chemical and physical	2,950	125	350	75	2,600	125
Physics	47,850	550	4,050	325	43,750	550
Psychology	139,450	575	15,050	575	124,400	700
Clinical psychology	47,500	325	4,350	350	43,150	425
Counseling and applied psychology	17,200	175	2,250	225	14,950	275
Educational and school psychology	18,350	225	1,950	200	16,400	275
Industrial and organizational psychology	5,800	150	400	100	5,350	150
Research and experimental psychology	34,950	275	4,300	250	30,600	350
Psychology, general	9,650	150	1,150	175	8,500	250
Psychology, other	6,050	100	600	125	5,400	150
Social sciences	124,950	800	14,800	575	110,150	875
Economics	32,450	525	3,700	325	28,750	550
Political science and government	25,800	350	2,850	250	22,950	375
Political science and government	21,200	300	2,400	250	18,750	350
Public policy analysis	4,600	150	450	75	4,150	175
Sociology, demography, and population studies	19,850	300	2,500	225	17,350	375
Other social sciences	46,800	450	5,750	300	41,050	525
Anthropology	13,950	225	1,650	200	12,300	300
Area, ethnic, cultural, gender, and group studies	4,650	125	650	75	3,950	125
Geography and cartography	5,750	175	700	100	5,050	175
International relations and national security studies	2,800	150	450	75	2,400	125
Linguistics	6,200	250	700	125	5,500	250
Urban studies, affairs	2,150	75	250	50	1,900	75
Social sciences, other	11,300	225	1,350	125	9,950	250
Engineering	199,500	975	15,450	600	184,050	1,025
Aerospace, aeronautical, and astronautical engineering	7,900	200	450	100	7,450	225
Chemical engineering	24,450	400	1,350	200	23,100	425
Civil engineering	21,400	400	1,750	250	19,650	400
Electrical and computer engineering	53,950	525	4,600	425	49,300	625
Computer engineering	7,600	175	650	150	6,950	200
Electrical, electronics, and communications engineering	46,350	525	3,950	400	42,350	600
Mechanical engineering	29,300	400	2,100	250	27,200	450
Industrial engineers	19,100	300	1,450	175	17,650	325
Other engineering	43,400	450	3,750	275	39,650	450
Agricultural engineering	2,300	75	250	50	2,050	75
Bioengineering and biomedical engineering	14,200	225	950	175	13,250	275
Engineering mechanics, physics, and science	5,200	150	500	100	4,700	150
Industrial and manufacturing engineering	10,300	250	1,050	175	9,250	275
Nuclear engineering	3,650	125	350	75	3,300	125
Engineering, other	7,800	175	650	100	7,150	175
Health	47,600	400	4,850	325	42,800	450
Communication disorders sciences and services	4,150	100	450	75	3,700	100
Hospital and medical administration services	2,000	75	200	50	1,750	75
Pharmacy, pharmaceutical sciences, and administration	8,950	150	800	175	8,150	225
Public health	9,350	200	850	125	8,500	200
Registered nursing, nursing administration, nursing research	11,350	200	1,350	175	10,000	225
Health sciences, other	11,850	200	1,150	175	10,700	225

SE = standard error.

**Note(s):**

Numbers are rounded to the nearest 50. Standard errors are rounded up to the nearest 25. Detail may not add to total because of rounding. Survey asks degree of difficulty—none, slight, moderate, severe, or unable to do—an individual has in seeing (with glasses), hearing (with hearing aid), walking without assistance, lifting 10 pounds, or concentrating, remembering, or making decisions. Those respondents who answered "moderate," "severe," or "unable to do" for any activity were classified as having a disability. Residence location is based on reported living location on 1 February 2019.

**Source(s):**

National Center for Science and Engineering Statistics, Survey of Doctorate Recipients: 2019.