

TABLE 7

U.S. residing doctoral scientists and engineers, by fine field of doctorate and disability status: 2023

(Number and SE)

Field of study	Total		With disability		Without disability	
	Number	SE	Number	SE	Number	SE
All fields	1,058,950	1,925	122,350	1,675	936,600	2,400
Science	787,000	1,825	95,150	1,500	691,800	2,200
Biological, agricultural, and environmental life sciences	274,850	950	30,650	925	244,200	1,275
Agricultural and food sciences	21,150	350	3,000	250	18,150	375
Agricultural sciences	1,200	50	150	50	1,050	50
Animal sciences	5,400	175	800	150	4,600	225
Food sciences and technology	4,400	200	500	125	3,900	200
Plant sciences	7,550	225	1,150	150	6,400	225
Soil sciences	2,600	100	400	100	2,200	125
Biochemistry and biophysics	35,500	450	3,750	375	31,750	550
Biochemistry	29,150	425	2,950	350	26,200	525
Biophysics	6,350	150	800	150	5,600	200
Cell, cellular biology, and molecular biology	36,950	375	4,100	400	32,850	500
Microbiological sciences and immunology	29,700	300	2,600	200	27,100	325
Immunology	10,900	175	950	150	9,900	200
Microbiological sciences	18,800	275	1,650	175	17,150	325
Natural resources and conservation	11,450	225	1,650	200	9,750	250
Fish, fisheries, wildlife, and wildlands science and management	2,650	100	500	100	2,150	125
Forestry	3,300	125	500	100	2,800	125
Natural resource conservation, research, management, and policy	5,450	175	650	150	4,800	175
Zoology	8,950	175	1,300	175	7,700	200
Other biological sciences	131,150	675	14,200	625	116,900	850
Biomathematics, bioinformatics, and computational biology	7,650	150	800	125	6,850	150
Botany and plant biology	8,400	200	1,250	150	7,150	225
Epidemiology, ecology, and population biology	21,050	275	2,500	300	18,550	375
Genetics	10,700	200	1,550	200	9,150	250
Neurobiology and neuroscience	21,700	300	1,750	200	19,950	325
Nutrition sciences	5,000	150	550	100	4,450	150
Pharmacology and toxicology	15,300	150	1,700	275	13,650	275
Physiology, pathology, and related sciences	18,450	275	1,550	200	16,950	325
Biological and biomedical sciences, general	16,950	250	1,850	225	15,100	325
Biological and biomedical sciences, other	5,950	175	800	150	5,150	200
Computer and information sciences	40,300	450	4,800	350	35,500	600
Computer science	34,250	475	4,000	350	30,300	600
Information science, studies	3,300	100	500	100	2,850	125

TABLE 7

U.S. residing doctoral scientists and engineers, by fine field of doctorate and disability status: 2023

(Number and SE)

Field of study	Total		With disability		Without disability	
	Number	SE	Number	SE	Number	SE
Computer and information sciences, other	2,700	100	350	50	2,350	100
Mathematics and statistics	44,650	475	5,650	350	39,000	550
Applied mathematics	10,100	225	1,450	175	8,650	250
Mathematics	20,600	400	2,500	250	18,100	400
Statistics	9,150	225	1,150	200	8,000	300
Mathematics and statistics, other	4,750	150	550	100	4,250	150
Physical sciences, geosciences, atmospheric sciences, and ocean sciences	167,650	1,025	18,250	675	149,400	1,150
Astronomy and astrophysics	7,250	175	800	125	6,500	200
Chemistry, except biochemistry	82,200	725	8,700	550	73,500	850
Inorganic chemistry	10,550	225	1,400	200	9,150	275
Organic chemistry	21,550	325	2,050	275	19,500	425
Chemistry, other, except biochemistry	50,100	550	5,250	425	44,850	625
Geosciences, atmospheric sciences, and ocean sciences	28,200	300	3,700	250	24,500	350
Atmospheric sciences and meteorology	5,000	100	600	75	4,400	125
Geological and earth sciences, geosciences	17,550	250	2,400	225	15,150	300
Ocean sciences and marine sciences	2,900	75	400	50	2,500	75
Oceanography, chemical and physical	2,750	100	300	50	2,450	100
Physics	50,050	675	5,100	425	44,950	700
Psychology	135,750	625	17,800	675	117,900	825
Clinical psychology	47,100	400	5,500	400	41,650	500
Counseling and applied psychology	17,200	175	2,400	275	14,850	300
Educational and school psychology	16,650	225	2,250	250	14,400	300
Industrial and organizational psychology	6,000	150	850	100	5,150	150
Research and experimental psychology	33,650	325	4,500	300	29,150	425
Psychology, general	9,200	250	1,550	225	7,650	300
Psychology, other	5,900	175	800	100	5,150	175
Social sciences	123,800	825	18,000	625	105,800	900
Economics	32,600	500	4,350	325	28,300	525
Political science and government	25,050	475	3,250	300	21,800	525
Political science and government	19,650	450	2,550	275	17,100	500
Public policy analysis	5,400	125	700	125	4,700	150
Sociology, demography, and population studies	19,200	350	3,100	275	16,100	375
Other social sciences	46,950	475	7,300	375	39,650	500
Anthropology	13,700	250	2,150	225	11,550	275
Area, ethnic, cultural, gender, and group studies	5,200	125	850	125	4,350	150

TABLE 7

U.S. residing doctoral scientists and engineers, by fine field of doctorate and disability status: 2023

(Number and SE)

Field of study	Total		With disability		Without disability	
	Number	SE	Number	SE	Number	SE
Geography and cartography	5,850	175	950	125	4,900	175
International relations and national security studies	2,800	125	400	75	2,400	125
Linguistics	6,100	225	950	150	5,150	250
Urban studies, affairs	1,800	100	250	50	1,550	100
Social sciences, other	11,500	275	1,800	175	9,750	300
Engineering	219,400	1,125	21,050	825	198,350	1,200
Aerospace, aeronautical, and astronautical engineering	8,850	175	800	125	8,000	175
Chemical engineering	26,550	400	2,250	300	24,300	450
Civil engineering	23,600	475	2,600	350	21,000	550
Electrical and computer engineering	59,000	625	5,500	425	53,500	675
Computer engineering	8,850	175	850	175	7,950	200
Electrical, electronics, and communications engineering	50,150	600	4,600	400	45,500	625
Mechanical engineering	32,500	525	3,050	325	29,450	600
Metallurgical and materials engineering	20,550	425	1,800	225	18,750	425
Other engineering	48,350	475	5,100	350	43,300	525
Agricultural engineering	2,100	100	300	75	1,800	100
Bioengineering and biomedical engineering	17,600	275	1,300	225	16,300	300
Engineering mechanics, physics, and science	5,100	200	600	100	4,500	200
Industrial and manufacturing engineering	10,900	300	1,600	225	9,300	300
Nuclear engineering	3,800	125	400	75	3,450	125
Engineering, other	8,850	225	900	125	7,950	250
Health	52,600	475	6,150	325	46,450	500
Communication disorders sciences and services	3,900	125	450	100	3,400	125
Hospital and medical administration services	1,650	75	200	50	1,400	75
Pharmacy, pharmaceutical sciences, and administration	9,550	225	900	175	8,600	250
Public health	11,600	225	1,100	150	10,500	250
Registered nursing, nursing administration, nursing research	12,200	225	1,600	175	10,600	275
Health sciences, other	13,700	250	1,800	225	11,900	275

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 2023.

Source(s):
National Center for Science and Engineering Statistics, Survey of Doctorate Recipients, 2023.