

Table 7-3

S&E doctorate recipients reporting one or more disabilities, by broad field of study, sex, citizenship, ethnicity, and race: 2019

(Number and percent)

Demographic characteristic	All recipients ^a (number)	All disability respondents		With disability		Visual disabilities		Hearing disabilities		Walking disabilities		Lifting disabilities		Cognitive disabilities ^b		Without disability	
		Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
Field of study																	
S&E ^c	42,980	38,339	100.00	3,292	8.59	1,300	3.39	494	1.29	184	0.48	288	0.75	1,686	4.40	35,047	91.41
Science ^d	32,677	29,199	100.00	2,640	9.04	932	3.19	397	1.36	149	0.51	239	0.82	1,453	4.98	26,559	90.96
Agricultural sciences and natural resources	1,491	1,338	100.00	125	9.34	58	4.33	16	1.20	12	0.90	18	1.35	58	4.33	1,213	90.66
Biological and biomedical sciences	8,702	8,063	100.00	717	8.89	205	2.54	122	1.51	30	0.37	61	0.76	427	5.30	7,346	91.11
Computer and information sciences	2,228	1,970	100.00	121	6.14	67	3.40	20	1.02	10	0.51	16	0.81	42	2.13	1,849	93.86
Geosciences, atmospheric sciences, and ocean sciences	1,274	1,168	100.00	105	8.99	38	3.25	9	0.77	5	0.43	11	0.94	62	5.31	1,063	91.01
Health sciences ^e	2,588	2,253	100.00	188	8.34	82	3.64	29	1.29	13	0.58	24	1.07	78	3.46	2,065	91.66
Mathematics and statistics	2,012	1,793	100.00	169	9.43	78	4.35	28	1.56	8	0.45	9	0.50	79	4.41	1,624	90.57
Physical sciences and earth sciences	6,585	5,962	100.00	512	8.59	189	3.17	67	1.12	23	0.39	38	0.64	287	4.81	5,450	91.41
Psychology	3,936	3,245	100.00	324	9.98	88	2.71	40	1.23	26	0.80	35	1.08	205	6.32	2,921	90.02
Social sciences	5,135	4,575	100.00	484	10.58	165	3.61	75	1.64	27	0.59	38	0.83	277	6.05	4,091	89.42
Engineering	10,303	9,140	100.00	652	7.13	368	4.03	97	1.06	35	0.38	49	0.54	233	2.55	8,488	92.87
Sex																	
Male	24,836	22,195	100.00	1,765	7.95	760	3.42	319	1.44	96	0.43	99	0.45	868	3.91	20,430	92.05
Female	18,136	16,144	100.00	1,527	9.46	540	3.34	175	1.08	88	0.55	189	1.17	818	5.07	14,617	90.54
Citizenship																	
U.S. citizens and permanent residents	25,718	23,847	100.00	2,234	9.37	561	2.35	377	1.58	131	0.55	177	0.74	1,400	5.87	21,613	90.63
Temporary visa holders	15,801	14,449	100.00	1,055	7.30	737	5.10	116	0.80	52	0.36	110	0.76	285	1.97	13,394	92.70
Ethnicity and race																	
Hispanic or Latino ^f	3,030	2,796	100.00	316	11.30	115	4.11	60	2.15	17	0.61	27	0.97	163	5.83	2,480	88.70
Not Hispanic or Latino																	
American Indian or Alaska Native	82	71	100.00	5	7.04	D	D	0	0.00	D	D	D	D	D	D	66	92.96
Asian	13,268	12,549	100.00	969	7.72	686	5.47	105	0.84	36	0.29	88	0.70	264	2.10	11,580	92.28
Black or African American	1,936	1,789	100.00	152	8.50	85	4.75	15	0.84	13	0.73	D	D	63	3.52	1,637	91.50
White	20,839	19,729	100.00	1,686	8.55	364	1.84	284	1.44	105	0.53	130	0.66	1,099	5.57	18,043	91.45
More than one race	985	952	100.00	111	11.66	29	3.05	23	2.42	9	0.95	13	1.37	68	7.14	841	88.34
Other race or race not reported	703	326	100.00	40	12.27	D	D	2	0.61	D	D	6	1.84	D	D	286	87.73
Ethnicity not reported	2,137	127	100.00	13	10.24	3	2.36	5	3.94	1	0.79	1	0.79	5	3.94	114	89.76

D = suppressed to avoid disclosure of confidential information.

S&E = science and engineering.

^a Includes doctorate recipients for whom disability status is unknown.

^b Includes disabilities in concentrating, remembering, or making decisions because of a physical, mental, or emotional condition.

^c Total may include doctorate recipients who did not report sex and those who did not report citizenship. As a result, detail may not sum to total.

^d The fields presented under science contain both broad and selected subordinate fields of study. As a result, detail does not sum to the total.

^e In previous years, health sciences was classified as non-S&E.

^f Hispanic or Latino may be any race; race categories exclude Hispanic origin.

Note(s):

Race and ethnicity data are for U.S. citizens, permanent residents, and temporary visa holders. Percentages are based on doctorate recipients who answered the disability question. Doctorate recipients could report more than one disability. 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. Data in this table are based on research doctorates only and differ from doctoral degree data in this report that are based on the Integrated Postsecondary Education Data System Completions Survey. The greatest differences are in psychology, education, and medical or other health sciences, which are fields with many professional doctorates.

Source(s):

National Center for Science and Engineering Statistics, special tabulations (2020) of the 2019 Survey of Earned Doctorates.