

Table 7-21

Carnegie classification (2015) of doctorate-granting institution of U.S. citizens and permanent resident S&E doctorate recipients, by S&E field, sex, ethnicity, race, and disability status: 2019

(Percent distribution)

Sex, ethnicity, race, disability status, and field	Total (number)	All institutions	Doctoral: Highest research	Doctoral: Higher research	Doctoral: Moderate research	Medical schools and centers	Other or unknown Carnegie group
All S&E doctorate recipients ^a	25,718	100.00	75.13	14.60	4.70	3.43	2.15
Male	13,464	100.00	78.25	13.80	3.05	3.05	1.85
Female	12,254	100.00	71.70	15.47	6.51	3.84	2.47
Hispanic or Latino ^b	2,082	100.00	72.96	13.16	5.09	5.09	3.70
Not Hispanic or Latino							
American Indian or Alaskan Native	77	100.00	64.94	24.68	7.79	0.00	2.60
Asian	2,821	100.00	81.28	10.17	2.02	4.89	1.63
Black or African American	1,468	100.00	54.77	17.44	21.73	3.07	3.00
White	17,689	100.00	76.3	15.11	3.66	3.00	1.92
More than one race	871	100.00	76.46	13.43	2.99	4.82	2.30
Other race or race not reported	280	100.00	79.29	9.64	5.36	3.93	1.79
Ethnicity not reported	430	100.00	62.79	23.49	7.44	2.09	4.19
Without disability	21,613	100.00	76.01	14.31	4.32	3.52	1.85
With disability	2,234	100.00	75.78	13.88	5.15	3.45	1.75
Science ^a	21,465	100.00	73.66	14.74	5.22	4.03	2.35
Male	10,344	100.00	77.11	13.69	3.28	3.88	2.05
Female	11,121	100.00	70.46	15.71	7.02	4.18	2.63
Hispanic or Latino ^b	1,776	100.00	71.17	13.06	D	D	D
Not Hispanic or Latino							
American Indian or Alaskan Native	68	100.00	D	D	8.82	0	2.94
Asian	2,103	100.00	79.79	10.08	2.19	6.18	1.76
Black or African American	1,290	100.00	52.33	17.13	23.88	3.49	3.18
White	14,889	100.00	75.19	15.22	3.96	3.53	2.10
More than one race	747	100.00	74.97	D	D	D	D
Other race or race not reported	230	100.00	D	9.57	D	4.78	2.17
Ethnicity not reported	362	100.00	60.5	24.59	D	2.49	D
Without disability	17,972	100.00	74.71	14.33	4.79	4.16	2.02
With disability	1,945	100.00	74.04	14.45	D	D	1.95
Engineering ^a	4,253	100.00	82.51	13.90	2.09	0.38	1.13
Male	3,120	100.00	82.02	14.17	2.31	0.32	1.19
Female	1,133	100.00	83.85	13.15	1.5	0.53	0.97
Hispanic or Latino ^b	306	100.00	83.33	13.73	D	D	D
Not Hispanic or Latino							
American Indian or Alaskan Native	9	100.00	D	D	0.00	0.00	0.00
Asian	718	100.00	85.65	10.45	1.53	1.11	1.25
Black or African American	178	100.00	72.47	19.66	6.18	0.00	1.69
White	2,800	100.00	82.21	14.54	2.11	0.18	0.96
More than one race	124	100.00	85.48	D	D	D	D
Other race or race not reported	50	100.00	D	10	D	0.00	0.00

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(Percent distribution)

Sex, ethnicity, race, disability status, and field	Total (number)	All institutions	Doctoral: Highest research	Doctoral: Higher research	Doctoral: Moderate research	Medical schools and centers	Other or unknown Carnegie group
Ethnicity not reported	68	100.00	75	17.65	D	0.00	D
Without disability	3,641	100.00	82.39	14.23	2.03	0.36	0.99
With disability	289	100.00	87.54	10.03	D	D	0.35

D = suppressed to avoid disclosure of confidential information.

S&E = science and engineering.

^a Total may include doctorate recipients who did not report sex and doctorate recipients for whom disability status is unknown.^b Hispanic or Latino may be any race; race categories exclude Hispanic origin.**Note(s):**

Includes all U.S. citizen and permanent resident S&E doctorate recipients; temporary visa holders are excluded. American Indian or Alaska Native doctorate recipients with unknown or refused citizenship status are counted as U.S. citizens and thus are included. 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. Respondents who answered "moderate," "severe," or "unable to do" for any activity were classified as having a disability. Data in this table refer to 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.