

Table 9-33

Employed science, engineering, and health doctorate holders, by broad occupation, sex, disability status, sector of employment, and tenure status: 2019

(Number)

Occupation, disability status, and sex	Total	4-year educational institution ^a				Other employment sectors						
		Tenured	Not tenured		Tenure not applicable	Other educational institution ^b	Private sector, for profit ^c	Private sector, nonprofit	Federal government	State or local government	Self-employed ^d	Other ^e
			On tenure track	Not on tenure track								
All occupations	857,200	160,500	50,850	52,200	80,800	30,900	307,550	55,900	50,150	18,850	40,750	8,850
Without disability	786,900	144,150	47,100	48,000	73,850	28,000	286,650	51,800	46,100	17,200	36,100	8,000
With disability	70,300	16,350	3,800	4,200	6,950	2,900	20,900	4,150	4,050	1,650	4,600	800
Female	311,200	50,350	21,600	22,500	38,050	16,600	88,250	24,800	19,000	7,900	19,000	3,200
Without disability	288,400	45,350	19,700	20,950	35,500	15,250	83,200	23,050	17,800	7,300	17,250	3,000
With disability	22,750	5,000	1,850	1,600	2,550	1,350	5,000	1,750	1,150	600	1,700	150
Male	546,050	110,100	29,300	29,650	42,800	14,300	219,300	31,100	31,150	10,950	21,750	5,650
Without disability	498,500	98,750	27,350	27,050	38,350	12,700	203,400	28,750	28,250	9,950	18,850	5,000
With disability	47,550	11,350	1,950	2,600	4,400	1,550	15,900	2,350	2,900	1,000	2,900	650
S&E occupations ^f	613,400	127,450	41,550	39,450	57,850	18,550	210,450	34,400	39,750	12,500	25,400	6,050
Without disability	563,000	114,500	38,350	36,250	52,700	16,650	196,800	31,700	36,600	11,550	22,450	5,450
With disability	50,350	12,950	3,200	3,150	5,200	1,900	13,650	2,650	3,150	950	2,950	600
Female	207,700	36,750	16,200	15,550	25,550	9,650	56,350	13,800	14,850	4,700	12,450	1,850
Without disability	192,800	33,100	14,750	14,550	23,800	8,800	53,450	12,800	14,150	4,300	11,300	1,750
With disability	14,900	3,650	1,450	1,000	1,750	800	2,900	1,000	750	400	1,100	100
Male	405,700	90,700	25,350	23,850	32,350	8,900	154,100	20,550	24,900	7,800	12,950	4,200
Without disability	370,200	81,400	23,600	21,700	28,900	7,850	143,300	18,900	22,500	7,250	11,100	3,700
With disability	35,500	9,300	1,750	2,150	3,450	1,100	10,800	1,650	2,400	600	1,850	500
Scientist	492,750	108,400	34,900	34,900	52,200	18,100	143,100	29,850	33,300	10,400	23,250	4,350
Without disability	451,500	97,450	32,300	32,050	47,450	16,250	133,700	27,550	30,600	9,650	20,500	3,950
With disability	41,250	10,950	2,550	2,850	4,750	1,900	9,400	2,250	2,700	750	2,750	400
Female	188,700	34,300	14,700	14,800	24,300	9,500	46,300	13,000	13,900	4,150	12,250	1,550
Without disability	174,900	30,800	13,350	13,850	22,600	8,700	43,900	12,100	13,200	3,800	11,150	1,450
With disability	13,800	3,500	1,350	950	1,650	800	2,400	900	700	300	1,100	100
Male	304,050	74,100	20,150	20,100	27,900	8,600	96,750	16,850	19,450	6,300	11,000	2,800
Without disability	276,550	66,650	18,950	18,250	24,850	7,500	89,800	15,500	17,450	5,850	9,350	2,500
With disability	27,500	7,450	1,200	1,900	3,100	1,050	7,000	1,350	2,000	450	1,650	300
Biological/ life scientist	156,650	27,400	10,450	15,000	23,800	4,600	43,000	10,650	14,550	3,050	3,350	900
Without disability	143,950	24,600	9,600	13,700	21,950	4,050	40,250	10,000	13,300	2,800	2,950	800
With disability	12,750	2,800	850	1,300	1,850	550	2,750	650	1,250	200	400	100
Female	66,650	8,200	4,500	6,450	12,350	2,650	18,550	4,700	6,200	1,250	1,150	600
Without disability	62,500	7,550	4,050	6,050	11,600	2,450	17,800	4,400	5,850	1,150	1,050	550

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(Number)

Occupation, disability status, and sex	Total	4-year educational institution ^a				Other employment sectors						
		Tenured	Not tenured		Tenure not applicable	Other educational institution ^b	Private sector, for profit ^c	Private sector, nonprofit	Federal government	State or local government	Self-employed ^d	Other ^e
			On tenure track	Not on tenure track								
With disability	4,150	650	450	450	750	200	750	300	350	100	50	50
Male	90,050	19,200	5,950	8,550	11,450	1,900	24,450	5,950	8,300	1,800	2,200	300
Without disability	81,450	17,050	5,500	7,700	10,350	1,600	22,400	5,600	7,450	1,700	1,850	250
With disability	8,600	2,150	450	850	1,100	350	2,000	350	900	100	350	50
Computer and informational scientist	63,000	6,400	2,700	1,700	3,300	550	41,750	2,600	1,400	600	1,250	850
Without disability	58,700	5,650	2,550	1,600	2,900	500	39,300	2,400	1,300	600	1,100	800
With disability	4,300	700	150	100	400	S	2,450	200	100	D	100	D
Female	10,350	1,150	600	300	700	100	6,100	650	300	150	100	200
Without disability	9,800	1,000	600	250	650	100	5,800	650	300	150	100	200
With disability	550	100	D	D	D	D	300	D	D	D	D	D
Male	52,650	5,250	2,100	1,400	2,650	400	35,650	1,950	1,100	450	1,100	650
Without disability	48,950	4,650	1,950	1,350	2,250	400	33,500	1,800	1,000	450	1,000	600
With disability	3,750	600	150	S	350	D	2,150	150	100	D	100	D
Mathematical scientist	41,400	12,100	3,050	3,100	3,350	1,350	13,700	1,900	1,850	500	300	200
Without disability	38,300	11,200	2,850	2,850	3,000	1,200	12,800	1,800	1,800	450	300	150
With disability	3,150	950	200	300	350	150	900	150	50	D	D	S
Female	12,450	2,600	1,000	1,150	1,400	500	4,200	600	750	150	S	50
Without disability	11,300	2,300	850	1,050	1,200	450	3,900	550	750	150	S	50
With disability	1,150	300	150	100	200	S	300	D	D	D	D	D
Male	28,950	9,550	2,000	2,000	1,950	850	9,500	1,350	1,100	350	200	150
Without disability	27,000	8,900	2,000	1,800	1,800	750	8,900	1,250	1,100	300	200	S
With disability	1,950	650	D	200	150	S	600	100	S	D	D	D
Physical scientist	84,550	20,200	6,300	5,750	9,700	4,350	22,700	4,400	6,800	2,000	1,300	950
Without disability	77,400	18,550	5,900	5,300	8,750	3,900	21,050	3,900	6,150	1,950	1,100	850
With disability	7,150	1,650	400	450	950	450	1,650	500	650	50	200	100
Female	20,650	4,700	1,950	1,700	2,550	1,750	4,600	900	1,750	400	150	200
Without disability	19,100	4,250	1,750	1,550	2,350	1,600	4,350	850	1,650	400	150	200
With disability	1,550	450	200	100	200	200	200	50	100	D	D	D
Male	63,850	15,550	4,350	4,100	7,100	2,600	18,150	3,500	5,050	1,600	1,150	750
Without disability	58,300	14,300	4,150	3,750	6,350	2,350	16,700	3,050	4,500	1,550	900	650
With disability	5,600	1,200	200	300	750	300	1,450	450	550	50	200	100

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(Number)

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		Tenured	Not tenured		Tenure not applicable	Other educational institution ^b	Private sector, for profit ^c	Private sector, nonprofit	Federal government	State or local government	Self-employed ^d	Other ^e
			On tenure track	Not on tenure track								
Psychologist	77,600	12,150	4,200	3,400	6,150	4,700	16,350	6,600	5,200	2,750	15,550	500
Without disability	70,650	10,850	3,850	3,250	5,650	4,500	14,950	6,100	4,850	2,450	13,750	500
With disability	6,950	1,350	350	150	500	200	1,400	500	350	300	1,800	D
Female	47,850	6,300	2,500	2,300	4,200	3,150	10,050	4,150	3,250	1,600	10,100	300
Without disability	44,350	5,600	2,350	2,200	4,000	3,000	9,300	3,850	3,100	1,450	9,150	250
With disability	3,500	700	150	50	200	150	750	300	100	150	950	D
Male	29,800	5,850	1,700	1,100	1,950	1,550	6,300	2,450	2,000	1,150	5,500	250
Without disability	26,350	5,200	1,500	1,000	1,600	1,500	5,650	2,250	1,700	1,000	4,600	250
With disability	3,450	650	200	S	350	S	650	200	250	D	850	D
Social scientist	69,500	30,150	8,200	5,950	5,900	2,550	5,600	3,650	3,500	1,550	1,550	900
Without disability	62,500	26,650	7,600	5,350	5,250	2,100	5,350	3,400	3,200	1,400	1,300	850
With disability	7,000	3,500	550	550	650	450	250	250	300	S	250	50
Female	30,750	11,400	4,150	2,950	3,050	1,350	2,850	1,950	1,650	600	650	250
Without disability	27,900	10,050	3,750	2,750	2,750	1,150	2,750	1,800	1,500	550	550	200
With disability	2,850	1,300	400	200	300	150	100	150	100	D	100	D
Male	38,750	18,750	4,050	3,000	2,850	1,250	2,750	1,700	1,900	950	900	700
Without disability	34,600	16,550	3,850	2,650	2,500	950	2,600	1,600	1,700	850	750	650
With disability	4,150	2,200	200	400	350	300	100	150	200	D	150	50
Engineer	120,650	19,050	6,650	4,550	5,650	450	67,350	4,550	6,450	2,100	2,150	1,700
Without disability	111,550	17,050	6,000	4,200	5,250	400	63,100	4,150	6,000	1,900	1,950	1,450
With disability	9,100	2,000	650	350	450	D	4,250	400	400	200	200	200
Female	19,000	2,450	1,500	800	1,250	100	10,050	850	1,000	550	200	300
Without disability	17,900	2,300	1,350	700	1,200	100	9,550	750	950	500	200	300
With disability	1,100	150	100	50	50	D	450	100	D	S	D	D
Male	101,600	16,600	5,200	3,750	4,400	300	57,300	3,700	5,450	1,550	1,950	1,400
Without disability	93,600	14,750	4,650	3,500	4,050	300	53,550	3,400	5,050	1,400	1,800	1,150
With disability	8,000	1,850	500	250	350	D	3,800	300	400	150	150	200
S&E-related occupations ^g	92,350	12,800	6,250	6,600	10,150	5,950	29,050	9,950	4,750	2,900	2,750	1,200
Without disability	85,150	11,250	5,800	6,100	9,450	5,550	27,050	9,300	4,350	2,650	2,450	1,150
With disability	7,200	1,600	450	500	700	400	2,000	600	400	250	300	D
Female	40,750	6,350	3,850	3,400	5,100	2,850	9,150	4,700	1,850	1,400	1,350	800
Without disability	37,650	5,600	3,550	3,200	4,800	2,600	8,600	4,350	1,600	1,350	1,200	750

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			On tenure track	Not on tenure track								
With disability	3,100	700	300	250	300	200	550	350	200	S	150	D
Male	51,600	6,500	2,350	3,150	5,100	3,150	19,900	5,250	2,900	1,500	1,400	400
Without disability	47,500	5,600	2,250	2,900	4,700	2,950	18,500	4,950	2,750	1,300	1,250	400
With disability	4,100	850	150	250	400	200	1,450	300	150	200	150	D
Non-S&E occupations ^h	151,500	20,250	3,100	6,150	12,800	6,400	68,050	11,600	5,650	3,400	12,600	1,550
Without disability	138,750	18,400	2,950	5,600	11,700	5,800	62,800	10,750	5,100	3,000	11,250	1,400
With disability	12,750	1,850	150	550	1,100	600	5,250	850	550	400	1,350	150
Female	62,750	7,300	1,500	3,550	7,400	4,150	22,750	6,300	2,250	1,800	5,200	500
Without disability	57,950	6,650	1,400	3,200	6,900	3,850	21,150	5,850	2,050	1,600	4,750	500
With disability	4,800	650	100	350	500	300	1,600	450	200	200	450	D
Male	88,750	12,950	1,600	2,650	5,350	2,250	45,300	5,350	3,350	1,600	7,400	1,050
Without disability	80,800	11,750	1,500	2,450	4,800	1,950	41,650	4,900	3,050	1,400	6,500	900
With disability	7,950	1,200	50	200	550	300	3,650	400	350	200	900	150

D = suppressed to avoid disclosure of confidential information. S = suppressed for reliability; coefficient of variation exceeds publication standards.

S&E = science and engineering.

^a Includes 4-year colleges or universities, medical schools (including university-affiliated hospitals or medical centers), and university-affiliated research institutes.

^b Includes 2-year colleges, community colleges, or technical institutes, and other precollege institutions.

^c Includes those self-employed in an incorporated business.

^d Self-employed or business owner in a nonincorporated business.

^e Includes employers not broken out separately.

^f S&E occupations include S&E postsecondary teachers.

^g S&E-related occupations include health-related occupations (e.g., diagnosing practitioners, registered nurses, and postsecondary teachers in health and related sciences), S&E managers, S&E precollege teachers, S&E technicians and technologists, and other S&E-related occupations.

^h Non-S&E occupations do not include S&E-related occupations.

Note(s):

Numbers rounded to nearest 50. Detail may not add to total because of rounding and suppression. Estimates include those employed and living in the United States during the reference week. The Survey of Doctorate Recipients asks the 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.

Source(s):

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