

Table 1-8

Employed science, engineering, and health doctorate holders, by broad occupation, sex, age, disability status, sector of employment, and tenure status: 2021

(Number)

Occupation, age, 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	872,100	157,000	50,550	53,550	79,850	27,800	322,300	60,200	52,700	19,650	42,650	5,850	
Under age 40	229,300	8,550	30,700	17,600	29,100	4,300	100,550	17,400	12,000	4,350	2,850	1,900	
Without disability	214,700	8,000	28,450	16,100	27,350	4,000	94,950	16,500	11,150	3,900	2,450	1,850	
With disability	14,600	550	2,250	1,500	1,750	300	5,600	950	850	450	350	50	
Age 40 and over	642,750	148,450	19,850	35,950	50,750	23,450	221,800	42,800	40,700	15,300	39,800	3,950	
Without disability	573,250	129,100	17,550	31,700	44,900	20,450	201,850	39,200	35,900	14,200	34,800	3,550	
With disability	69,550	19,350	2,300	4,250	5,850	3,000	19,900	3,600	4,750	1,100	5,000	400	
Female	328,500	52,400	22,200	24,200	37,450	15,150	95,600	28,150	21,250	8,200	21,750	2,200	
Under age 40	96,750	3,800	13,350	8,200	14,100	2,550	35,600	8,500	5,900	2,150	1,800	800	
Without disability	90,000	3,650	12,150	7,300	13,300	2,350	33,450	8,000	5,450	1,900	1,700	750	
With disability	6,750	150	1,200	900	800	200	2,150	500	400	250	150	50	
Age 40 and over	231,750	48,600	8,850	16,000	23,350	12,600	60,000	19,600	15,400	6,050	19,950	1,400	
Without disability	208,850	42,600	7,650	14,300	21,150	11,300	55,350	18,100	13,750	5,650	17,650	1,300	
With disability	22,900	6,000	1,200	1,650	2,250	1,300	4,600	1,500	1,600	400	2,300	100	
Male	543,550	104,600	28,350	29,400	42,400	12,600	226,750	32,050	31,400	11,500	20,900	3,650	
Under age 40	132,550	4,750	17,350	9,400	15,000	1,750	64,950	8,900	6,100	2,200	1,000	1,100	
Without disability	124,700	4,350	16,300	8,800	14,050	1,650	61,500	8,450	5,700	2,000	800	1,100	
With disability	7,850	400	1,000	600	950	100	3,400	450	450	200	250	D	
Age 40 and over	411,050	99,850	11,000	19,950	27,400	10,850	161,800	23,200	25,300	9,250	19,850	2,550	
Without disability	364,400	86,500	9,900	17,400	23,750	9,150	146,500	21,100	22,150	8,600	17,150	2,250	
With disability	46,600	13,350	1,100	2,550	3,650	1,700	15,300	2,100	3,150	700	2,700	300	
S&E occupations ^f	625,000	125,400	41,350	40,650	57,150	16,400	220,250	36,350	41,550	13,450	28,300	4,200	
Under age 40	185,800	7,750	26,500	15,050	23,500	2,700	80,000	12,800	10,550	3,450	1,900	1,600	
Without disability	174,250	7,250	24,750	13,750	22,050	2,500	75,550	12,150	9,750	3,200	1,700	1,550	
With disability	11,550	500	1,750	1,350	1,450	200	4,450	600	800	250	150	S	
Age 40 and over	439,200	117,650	14,850	25,550	33,700	13,700	140,200	23,550	31,000	9,950	26,450	2,600	
Without disability	391,200	101,800	13,200	22,350	29,850	11,900	128,100	21,600	27,450	9,250	23,400	2,300	
With disability	48,050	15,850	1,650	3,200	3,800	1,800	12,100	1,950	3,550	750	3,050	300	

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(Number)

Occupation, age, 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								
Female	221,650	38,200	16,950	17,400	24,800	8,600	61,850	15,850	16,500	5,150	14,850	1,500
Under age 40	75,050	3,350	11,200	6,750	11,050	1,600	26,300	6,050	5,100	1,650	1,350	750
Without disability	69,850	3,200	10,250	5,950	10,450	1,550	24,600	5,750	4,700	1,500	1,250	650
With disability	5,250	150	950	800	600	50	1,700	300	400	150	D	S
Age 40 and over	146,600	34,850	5,750	10,650	13,800	7,000	35,550	9,800	11,400	3,450	13,500	800
Without disability	131,550	30,300	5,050	9,400	12,500	6,200	32,950	9,100	10,150	3,200	11,950	700
With disability	15,050	4,550	700	1,250	1,250	750	2,600	750	1,250	250	1,550	50
Male	403,350	87,200	24,400	23,250	32,350	7,800	158,400	20,500	25,050	8,300	13,450	2,700
Under age 40	110,750	4,400	15,300	8,350	12,450	1,100	53,750	6,750	5,450	1,800	550	850
Without disability	104,400	4,050	14,500	7,800	11,600	1,000	51,000	6,450	5,050	1,700	450	850
With disability	6,350	350	800	550	850	S	2,750	300	400	100	100	D
Age 40 and over	292,650	82,800	9,050	14,900	19,900	6,700	104,650	13,750	19,600	6,500	12,950	1,850
Without disability	259,650	71,550	8,100	12,950	17,350	5,700	95,150	12,550	17,300	6,050	11,450	1,600
With disability	33,000	11,250	950	1,950	2,550	1,000	9,550	1,200	2,300	450	1,500	250
Scientist	502,250	106,100	34,100	36,350	51,450	15,900	152,000	32,250	34,350	10,850	25,950	2,950
Under age 40	146,450	6,300	21,450	13,400	20,800	2,600	56,600	11,300	8,500	2,800	1,750	950
Without disability	136,850	5,900	20,000	12,200	19,450	2,450	53,100	10,750	7,850	2,600	1,600	900
With disability	9,600	450	1,450	1,200	1,350	150	3,500	550	650	200	150	S
Age 40 and over	355,800	99,750	12,650	22,950	30,600	13,300	95,400	21,000	25,850	8,050	24,250	2,000
Without disability	315,850	85,950	11,350	20,000	27,150	11,550	87,050	19,300	22,850	7,450	21,400	1,800
With disability	39,950	13,800	1,300	2,950	3,450	1,750	8,350	1,650	3,050	600	2,850	150
Female	200,550	35,200	15,150	16,300	23,500	8,500	51,650	14,950	14,950	4,550	14,650	1,200
Under age 40	66,050	3,000	9,950	6,150	10,450	1,600	21,550	5,650	4,600	1,400	1,250	500
Without disability	61,400	2,850	9,150	5,450	9,850	1,500	20,100	5,350	4,200	1,300	1,200	450
With disability	4,600	150	800	700	600	50	1,450	300	350	100	D	S
Age 40 and over	134,500	32,200	5,200	10,150	13,050	6,900	30,150	9,300	10,400	3,100	13,400	700

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(Number)

Occupation, age, 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								
Without disability	120,500	27,850	4,650	8,900	11,850	6,150	27,850	8,600	9,250	2,900	11,900	600
With disability	14,000	4,350	500	1,250	1,200	750	2,300	700	1,100	250	1,550	50
Male	301,700	70,850	18,950	20,050	27,900	7,450	100,350	17,350	19,400	6,300	11,350	1,750
Under age 40	80,400	3,300	11,500	7,250	10,350	1,000	35,100	5,650	3,900	1,350	500	450
Without disability	75,450	3,050	10,850	6,800	9,600	950	33,000	5,400	3,650	1,300	400	450
With disability	5,000	300	650	450	750	50	2,050	250	250	50	100	D
Age 40 and over	221,300	67,550	7,450	12,800	17,550	6,400	65,300	11,700	15,500	4,900	10,850	1,300
Without disability	195,300	58,100	6,700	11,050	15,300	5,400	59,200	10,750	13,550	4,550	9,500	1,200
With disability	25,950	9,450	750	1,750	2,250	1,000	6,100	950	1,900	350	1,300	100
Engineer	122,800	19,300	7,250	4,300	5,750	450	68,200	4,100	7,200	2,600	2,350	1,250
Under age 40	39,350	1,400	5,050	1,700	2,650	D	23,400	1,500	2,050	700	150	600
Without disability	37,400	1,350	4,750	1,500	2,550	D	22,450	1,450	1,900	600	150	600
With disability	1,950	100	300	S	100	D	950	50	200	S	D	D
Age 40 and over	83,450	17,900	2,200	2,600	3,050	350	44,800	2,550	5,100	1,950	2,200	650
Without disability	75,350	15,900	1,850	2,350	2,700	350	41,050	2,300	4,600	1,800	2,000	500
With disability	8,100	2,000	400	250	350	D	3,750	300	500	150	200	150
Female	21,100	3,000	1,850	1,100	1,300	100	10,200	900	1,550	600	200	300
Under age 40	9,050	350	1,250	600	600	D	4,750	400	550	250	100	200
Without disability	8,400	300	1,100	500	550	D	4,500	400	500	200	100	200
With disability	600	D	150	D	D	D	250	D	D	D	D	D
Age 40 and over	12,100	2,650	600	500	750	100	5,450	500	1,000	350	100	100
Without disability	11,000	2,450	400	450	650	50	5,100	500	850	300	100	100
With disability	1,100	200	S	D	S	D	300	D	S	D	D	D
Male	101,650	16,350	5,450	3,200	4,400	350	58,050	3,150	5,650	2,000	2,150	950
Under age 40	30,300	1,100	3,800	1,100	2,100	D	18,650	1,100	1,550	450	D	400
Without disability	29,000	1,000	3,650	1,000	2,000	D	17,950	1,050	1,400	400	D	400

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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								
With disability	1,350	50	150	50	100	D	700	S	150	D	D	D
Age 40 and over	71,350	15,250	1,600	2,100	2,350	300	39,400	2,050	4,100	1,600	2,100	550
Without disability	64,350	13,450	1,400	1,900	2,050	250	35,950	1,800	3,750	1,500	1,900	400
With disability	7,000	1,800	S	200	300	D	3,450	250	400	100	200	150
S&E-related occupations ^g	100,450	12,200	6,200	7,700	10,650	5,800	35,450	11,350	5,100	2,750	2,450	750
Under age 40	21,350	400	2,500	1,750	3,300	1,150	7,950	2,750	650	400	250	150
Without disability	19,700	350	2,150	1,650	3,150	1,050	7,450	2,650	600	250	200	150
With disability	1,650	S	350	100	200	S	500	100	D	S	D	D
Age 40 and over	79,150	11,800	3,700	5,950	7,300	4,650	27,500	8,600	4,500	2,350	2,200	600
Without disability	71,500	10,700	3,200	5,350	6,450	4,100	25,000	8,000	4,000	2,200	1,950	550
With disability	7,600	1,100	500	600	850	550	2,450	650	450	150	250	D
Female	43,600	6,300	3,900	3,950	5,600	3,200	10,700	5,500	1,800	1,200	1,100	350
Under age 40	9,800	250	1,350	950	1,550	600	3,150	1,300	300	200	100	50
Without disability	8,950	200	1,100	850	1,450	550	2,950	1,300	300	150	50	50
With disability	850	D	250	100	100	S	S	D	D	D	D	D
Age 40 and over	33,800	6,050	2,500	3,000	4,050	2,550	7,600	4,150	1,500	1,000	1,050	300
Without disability	30,900	5,550	2,100	2,750	3,650	2,350	7,050	3,850	1,450	900	950	300
With disability	2,900	500	400	250	400	250	550	300	100	50	100	D
Male	56,900	5,900	2,300	3,750	5,050	2,600	24,700	5,900	3,300	1,550	1,350	400
Under age 40	11,550	150	1,150	800	1,800	550	4,800	1,450	350	200	S	S
Without disability	10,750	150	1,050	800	1,700	500	4,500	1,350	350	100	S	S
With disability	800	D	100	D	100	D	300	S	D	D	D	D
Age 40 and over	45,300	5,750	1,150	2,950	3,250	2,100	19,900	4,450	2,950	1,350	1,200	300
Without disability	40,650	5,150	1,100	2,600	2,800	1,800	18,000	4,150	2,550	1,250	1,000	250
With disability	4,700	600	S	350	450	300	1,900	300	400	S	150	D
Non-S&E occupations	146,600	19,400	3,000	5,200	12,050	5,600	66,650	12,500	6,050	3,450	11,850	900

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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								
Under age 40	22,200	400	1,700	800	2,300	450	12,550	1,850	800	500	700	150
Without disability	20,800	400	1,550	750	2,150	450	11,950	1,650	800	450	550	150
With disability	1,400	D	S	D	150	D	600	200	S	50	S	D
Age 40 and over	124,400	19,000	1,300	4,400	9,750	5,150	54,050	10,600	5,200	3,000	11,150	750
Without disability	110,550	16,550	1,200	4,000	8,600	4,450	48,750	9,600	4,450	2,800	9,450	700
With disability	13,900	2,450	150	400	1,200	650	5,300	1,050	750	200	1,700	S
Female	63,300	7,900	1,350	2,850	7,050	3,400	23,000	6,800	2,950	1,850	5,800	350
Under age 40	11,950	250	800	500	1,500	350	6,200	1,150	500	250	400	50
Without disability	11,250	250	750	500	1,400	300	5,900	1,000	450	250	350	50
With disability	700	D	D	D	100	D	300	150	D	D	50	D
Age 40 and over	51,350	7,650	550	2,300	5,550	3,050	16,800	5,650	2,450	1,600	5,400	300
Without disability	46,400	6,700	500	2,150	5,000	2,800	15,400	5,150	2,200	1,500	4,750	300
With disability	4,950	950	100	150	550	300	1,450	450	300	50	650	D
Male	83,300	11,500	1,650	2,350	5,000	2,200	43,650	5,700	3,100	1,600	6,050	550
Under age 40	10,250	150	900	250	800	100	6,400	700	350	200	300	S
Without disability	9,550	150	800	250	750	100	6,050	650	300	200	150	S
With disability	700	D	S	D	D	D	350	50	D	D	S	D
Age 40 and over	73,050	11,350	750	2,100	4,250	2,050	37,250	5,000	2,750	1,400	5,750	450
Without disability	64,150	9,850	700	1,850	3,600	1,700	33,350	4,450	2,300	1,250	4,750	400
With disability	8,950	1,500	S	250	650	400	3,850	550	450	150	1,050	D

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, 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.

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, 2021.