

TABLE 9-24

Science, engineering, and health doctorate holders employed in universities and 4-year colleges, by broad occupation, sex, years since doctorate, and tenure status: 2017

(Number)

Occupation, sex, and years since doctorate	Total	Tenured	Not tenured		Tenure not applicable
			On tenure track	Not on tenure track	
All occupations	319,400	142,350	48,950	45,700	82,350
Female	120,650	44,450	19,650	20,500	36,050
Less than 10	48,650	4,450	15,350	9,450	19,450
10–19	37,800	18,450	3,900	6,300	9,100
20–29	22,050	13,450	300	3,200	5,050
30 or more	12,200	8,100	100	1,600	2,400
Male	198,750	97,900	29,350	25,200	46,300
Less than 10	58,250	5,800	21,450	9,350	21,650
10–19	52,700	29,250	6,700	6,900	9,800
20–29	42,800	30,350	800	4,200	7,500
30 or more	45,000	32,450	400	4,800	7,350
S&E occupations <sup>a</sup>	245,250	112,000	40,300	32,300	60,650
Female	84,750	31,550	14,850	13,650	24,700
Less than 10	36,000	2,900	11,700	6,500	14,950
10–19	26,300	13,450	3,000	4,200	5,650
20–29	14,350	9,550	200	1,950	2,700
30 or more	8,100	5,650	D	1,050	1,400
Male	160,500	80,450	25,450	18,650	35,950
Less than 10	49,800	5,000	19,050	7,150	18,650
10–19	43,000	25,000	5,500	5,250	7,250
20–29	32,700	24,600	600	2,750	4,800
30 or more	34,950	25,850	300	3,550	5,250
Scientist	214,200	95,650	34,350	29,450	54,750
Female	79,350	29,200	13,650	13,050	23,500
Less than 10	33,650	2,700	10,650	6,200	14,150
10–19	24,600	12,350	2,800	4,000	5,450
20–29	13,250	8,750	200	1,800	2,500
30 or more	7,850	5,400	D	1,000	1,400
Male	134,800	66,450	20,700	16,400	31,250
Less than 10	41,800	4,200	15,150	6,300	16,150
10–19	36,500	20,800	4,750	4,550	6,400
20–29	26,600	19,400	500	2,450	4,250
30 or more	29,900	22,050	300	3,100	4,450
Biological/life scientist	73,600	24,150	10,300	11,850	27,300
Female	28,850	6,850	3,850	5,650	12,450
Less than 10	13,850	350	2,300	2,550	8,600
10–19	8,300	2,650	1,500	1,950	2,150
20–29	4,300	2,300	50	750	1,200
30 or more	2,400	1,550	D	400	450
Male	44,750	17,300	6,450	6,200	14,850
Less than 10	15,350	700	3,500	2,200	9,000
10–19	12,750	4,700	2,650	2,150	3,250
20–29	7,650	5,150	200	1,000	1,300
30 or more	8,950	6,750	100	850	1,300
Computer and information scientist	11,200	5,050	1,850	1,400	2,900
Female	2,100	800	400	250	650
Less than 10	850	100	350	150	250
10–19	700	400	D	D	250
20–29	350	200	D	100	50
30 or more	200	100	D	D	100

TABLE 9-24

Science, engineering, and health doctorate holders employed in universities and 4-year colleges, by broad occupation, sex, years since doctorate, and tenure status: 2017

(Number)

Occupation, sex, and years since doctorate	Total	Tenured	Not tenured		Tenure not applicable
			On tenure track	Not on tenure track	
Male	9,100	4,250	1,450	1,150	2,250
Less than 10	3,350	500	1,350	450	1,050
10-19	2,100	1,500	100	200	250
20-29	1,950	1,250	D	150	550
30 or more	1,700	1,000	D	350	400
Mathematical scientist	19,700	10,850	2,900	2,500	3,500
Female	5,350	2,400	850	900	1,200
Less than 10	2,200	300	750	400	800
10-19	1,550	950	100	300	200
20-29	1,050	800	D	100	100
30 or more	550	400	D	S	50
Male	14,400	8,400	2,050	1,600	2,300
Less than 10	4,250	400	1,750	850	1,200
10-19	3,850	2,900	250	300	400
20-29	3,000	2,500	D	150	350
30 or more	3,300	2,650	D	300	300
Physical scientist	39,150	18,600	6,050	5,000	9,500
Female	9,750	4,000	1,900	1,500	2,350
Less than 10	3,900	350	1,550	750	1,250
10-19	3,150	1,700	300	400	750
20-29	1,750	1,350	D	150	200
30 or more	1,000	650	D	200	150
Male	29,400	14,600	4,150	3,500	7,100
Less than 10	8,150	600	3,100	1,150	3,250
10-19	7,750	4,500	800	950	1,450
20-29	6,550	4,850	150	600	950
30 or more	6,950	4,600	D	800	1,400
Psychologist	24,300	11,200	4,050	3,400	5,700
Female	13,500	5,350	2,400	2,150	3,650
Less than 10	4,950	450	2,000	950	1,600
10-19	4,250	2,200	300	700	1,050
20-29	2,650	1,550	100	400	600
30 or more	1,650	1,150	D	100	400
Male	10,800	5,850	1,700	1,250	2,050
Less than 10	3,050	650	1,200	400	800
10-19	3,100	1,800	400	400	500
20-29	2,050	1,400	D	200	450
30 or more	2,600	2,000	D	250	300
Social scientist	46,150	25,800	9,150	5,300	5,900
Female	19,800	9,750	4,250	2,600	3,200
Less than 10	7,950	1,200	3,700	1,400	1,700
10-19	6,650	4,450	550	650	950
20-29	3,150	2,500	D	300	350
30 or more	2,000	1,600	D	250	200
Male	26,400	16,100	4,900	2,700	2,700
Less than 10	7,650	1,350	4,200	1,200	850
10-19	6,950	5,400	550	550	500
20-29	5,350	4,250	S	400	650
30 or more	6,400	5,100	D	550	650
Engineer	31,100	16,350	6,000	2,850	5,900

TABLE 9-24

Science, engineering, and health doctorate holders employed in universities and 4-year colleges, by broad occupation, sex, years since doctorate, and tenure status: 2017

(Number)

Occupation, sex, and years since doctorate	Total	Tenured	Not tenured		Tenure not applicable
			On tenure track	Not on tenure track	
Female	5,400	2,350	1,200	600	1,200
Less than 10	2,350	200	1,050	300	800
10–19	1,700	1,100	200	200	200
20–29	1,050	800	D	100	150
30 or more	300	200	D	D	D
Male	25,700	14,000	4,750	2,250	4,700
Less than 10	8,050	850	3,900	800	2,500
10–19	6,500	4,200	750	700	850
20–29	6,100	5,200	100	300	500
30 or more	5,050	3,800	D	450	800
S&E-related occupations <sup>b</sup>	33,050	10,100	5,450	7,100	10,450
Female	17,950	5,400	3,250	3,900	5,400
Less than 10	7,600	750	2,350	1,950	2,550
10–19	5,450	2,300	700	1,050	1,400
20–29	3,450	1,450	100	700	1,150
30 or more	1,400	850	D	200	300
Male	15,150	4,700	2,250	3,200	5,000
Less than 10	4,650	350	1,250	1,050	2,050
10–19	4,300	1,400	850	850	1,150
20–29	3,200	1,400	50	750	950
30 or more	3,050	1,600	100	500	850
Non-S&E occupations	41,100	20,250	3,200	6,350	11,300
Female	18,000	7,550	1,550	2,950	5,950
Less than 10	5,050	750	1,300	1,050	1,950
10–19	6,050	2,700	250	1,050	2,050
20–29	4,250	2,450	D	550	1,200
30 or more	2,650	1,650	D	300	700
Male	23,100	12,700	1,650	3,400	5,350
Less than 10	3,800	500	1,150	1,200	1,000
10–19	5,400	2,850	350	800	1,400
20–29	6,900	4,400	100	700	1,750
30 or more	7,000	5,000	D	750	1,250

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

S&E = science and engineering.

<sup>a</sup> S&E occupations include S&E postsecondary teachers.

<sup>b</sup> S&E-related occupations include health occupations.

#### Note(s)

Numbers rounded to nearest 50. Detail may not add to total because of rounding and suppression. S&E occupations include S&E postsecondary teachers. S&E-related occupations include health-related occupations (e.g. diagnosing practitioners, registered nurses, 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.

#### Source(s)

National Science Foundation, National Center for Science and Engineering Statistics, Survey of Doctorate Recipients, 2017.