

**Table 9-35****Employed science, engineering, and health doctorate holders, by broad occupation, sex, sector of employment, and the extent work on principal job is related to doctoral degree: 2019**

(Number)

Occupation and sex	Total	Employed at 4-year educational institution: Relationship between principal job and doctoral degree <sup>a</sup>			Employed in another employment sector: Relationship between principal job and doctoral degree		
		Closely related	Somewhat related	Not related	Closely related	Somewhat related	Not related
All occupations	857,200	280,150	55,500	8,700	284,150	170,950	57,750
Female	311,200	104,900	23,800	3,800	100,550	57,900	20,250
Male	546,050	175,250	31,700	4,900	183,650	113,050	37,500
S&E occupations <sup>b</sup>	613,400	229,650	33,300	3,300	222,450	103,350	21,250
Female	207,700	80,050	12,750	1,200	77,500	30,950	5,250
Male	405,700	149,600	20,550	2,150	144,950	72,450	16,000
Scientist	492,750	198,500	28,950	2,950	171,700	74,250	16,400
Female	188,700	74,900	12,050	1,100	70,700	25,700	4,250
Male	304,050	123,600	16,900	1,800	101,000	48,550	12,200
Biological/ life scientist	156,650	60,250	15,100	1,300	51,200	26,200	2,650
Female	66,650	23,900	7,100	550	21,050	12,800	1,250
Male	90,050	36,350	8,050	750	30,150	13,400	1,400
Computer and informational scientist	63,000	11,350	2,200	500	19,500	20,400	9,050
Female	10,350	2,200	450	100	2,850	3,200	1,550
Male	52,650	9,150	1,750	450	16,600	17,200	7,500
Mathematical scientist	41,400	19,200	2,050	300	10,700	7,300	1,850
Female	12,450	5,150	800	200	3,800	2,050	500
Male	28,950	14,050	1,300	150	6,900	5,250	1,350
Physical scientist	84,550	36,600	5,100	300	28,150	12,550	1,800
Female	20,650	9,350	1,500	50	6,150	3,150	500
Male	63,850	27,250	3,600	250	22,050	9,400	1,350
Psychologist	77,600	24,550	1,250	D	48,450	2,900	350
Female	47,850	14,450	800	D	30,500	1,900	100
Male	29,800	10,050	500	D	17,950	1,000	S
Social scientist	69,500	46,600	3,200	400	13,650	4,900	750
Female	30,750	19,800	1,500	200	6,300	2,550	350
Male	38,750	26,750	1,700	200	7,350	2,300	400
Engineer	120,650	31,200	4,350	400	50,750	29,150	4,850
Female	19,000	5,200	700	50	6,800	5,250	1,000
Male	101,600	26,000	3,650	300	43,950	23,900	3,800
S&E-related occupations <sup>c</sup>	92,350	25,250	8,700	1,850	23,700	23,500	9,350
Female	40,750	13,750	4,200	750	8,750	9,350	3,950
Male	51,600	11,500	4,450	1,100	14,950	14,150	5,400
Non-S&E occupations <sup>d</sup>	151,500	25,200	13,500	3,550	38,000	44,100	27,150
Female	62,750	11,100	6,800	1,850	14,250	17,650	11,050
Male	88,750	14,150	6,700	1,650	23,700	26,450	16,100

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

S&amp;E = science and engineering.

<sup>a</sup> Includes 4-year colleges or universities, medical schools (including university-affiliated hospitals or medical centers), and university-affiliated research institutes.<sup>b</sup> S&E occupations include S&E postsecondary teachers.<sup>c</sup> 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.

<sup>d</sup> 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. Question on relationship between job and degree asked on how principal job is related to respondent's first U.S. doctoral degree.

**Source(s):**

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