

TABLE 34

## U.S. residing doctoral scientists and engineers, by occupation, ethnicity, and race: 2019

(Number and SE)

Occupation	Total		Hispanic or Latino <sup>a</sup>		Not Hispanic or Latino <sup>b</sup>									
					American Indian or Alaska Native		Asian		Black or African American		White		Other race <sup>c</sup>	
	Number	SE	Number	SE	Number	SE	Number	SE	Number	SE	Number	SE	Number	SE
All occupations	1,008,750	1,475	41,350	550	1,600	150	235,000	1,325	35,050	350	682,350	1,425	13,400	400
Science occupations	578,050	2,425	25,100	475	800	125	124,200	1,600	18,400	400	401,750	2,100	7,750	325
Biological, agricultural, and other life scientist	183,050	1,625	8,050	300	150	50	43,300	925	5,100	250	123,600	1,400	2,850	200
Agricultural, food scientist	14,500	525	900	100	D	D	2,950	275	600	100	10,000	400	100	25
Biochemists, biophysicist	19,650	725	450	75	D	D	7,350	425	250	75	11,400	525	200	75
Biological scientist	30,700	700	1,550	125	D	D	6,750	425	650	100	21,100	550	650	100
Forestry, conservation scientist	2,750	225	50	25	D	D	150	50	*	*	2,400	225	50	50
Medical scientist	48,300	1,100	1,750	150	50	25	13,400	575	1,500	125	30,950	825	650	125
Postsecondary teachers, agricultural, other natural sciences	7,150	375	400	75	D	D	1,000	150	300	75	5,350	325	100	50
Postsecondary teachers, biological sciences	37,800	800	2,000	175	*	*	4,150	375	1,100	125	29,900	725	650	100
Other biological, agricultural, life scientist	22,250	725	1,000	125	D	D	7,500	450	750	125	12,500	550	450	125
Computer and information scientist	71,350	1,075	1,850	150	D	D	31,250	900	1,150	125	36,450	750	650	100
Computer and information scientist	60,650	1,075	1,550	150	D	D	27,600	875	800	100	30,150	750	500	75
Postsecondary teachers, computer science	10,700	525	300	75	D	D	3,600	375	350	75	6,300	350	S	S
Mathematical scientist	47,850	825	1,850	150	D	D	15,650	575	1,250	125	28,550	650	550	75
Mathematical scientist	24,750	700	800	125	D	D	10,200	550	650	100	12,700	525	400	75
Postsecondary teachers, mathematics, statistics	23,050	600	1,000	125	D	D	5,450	425	600	100	15,850	475	150	50
Physical scientist	101,350	1,325	3,600	200	100	50	19,550	725	2,500	225	74,450	1,125	1,150	125
Chemists, except biochemist	27,250	800	900	125	50	25	7,100	450	850	125	18,050	650	300	75
Earth, atmospheric, ocean scientist	14,550	400	400	75	D	D	2,600	200	150	50	11,150	375	200	50
Physicists, astronomers	14,700	700	500	100	D	D	3,000	325	250	100	10,750	550	200	75
Postsecondary teachers, chemistry	19,500	675	850	100	D	D	2,800	325	800	100	14,900	625	150	50
Postsecondary teachers, physics	12,350	600	500	100	D	D	2,150	275	200	50	9,300	550	150	75
Postsecondary teachers, other physical science	8,400	300	250	50	D	D	900	150	150	50	6,950	275	100	50
Other physical scientist	4,550	325	150	50	D	D	950	175	100	50	3,350	300	50	25
Psychologist	91,600	975	4,950	225	250	75	5,000	350	3,850	225	76,200	950	1,350	150
Psychologist	67,850	1,025	3,750	225	200	75	3,100	300	2,450	200	57,400	950	950	150
Postsecondary teachers, psychology	23,750	675	1,200	150	50	50	1,900	275	1,350	150	18,800	625	350	75

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	Number	SE	Number	SE	Number	SE	Number	SE	Number	SE	Number	SE	Number	SE
Social scientist	82,850	1,050	4,750	250	300	75	9,450	450	4,600	275	62,500	975	1,250	150
Economist	11,300	575	650	100	D	D	2,550	300	300	75	7,700	450	150	75
Political scientist	2,450	300	100	50	D	D	S	S	100	50	2,000	250	D	D
Postsecondary teachers, economics	12,800	550	650	100	D	D	1,850	200	550	100	9,700	450	S	S
Postsecondary teachers, political science	12,600	475	600	125	D	D	1,050	150	1,000	200	9,650	450	250	100
Postsecondary teachers, sociology	9,450	375	700	100	D	D	700	125	750	125	7,000	350	250	75
Postsecondary teachers, other social sciences	19,200	600	1,350	150	150	50	1,600	200	900	100	14,900	550	300	75
Sociologist, anthropologist	4,500	325	300	75	D	D	250	100	200	50	3,650	275	100	25
Other social scientist	10,500	525	450	75	50	25	1,300	175	800	125	7,800	425	150	50
Engineering occupations	136,750	1,375	5,300	275	100	50	54,300	1,125	3,200	175	72,300	1,125	1,550	200
Aerospace, aeronautical, astronautical engineer	8,250	475	300	100	D	D	2,100	250	100	50	5,700	375	50	25
Chemical engineer	10,950	525	400	100	D	D	4,800	425	200	75	5,450	350	150	50
Civil, architectural, sanitary engineer	7,750	475	450	125	D	D	2,700	300	350	100	4,200	350	S	S
Electrical engineer	30,700	825	900	100	D	D	14,850	700	600	100	14,050	575	300	75
Industrial engineers	2,100	275	150	50	D	D	750	200	100	50	1,100	175	D	D
Mechanical engineer	15,000	575	450	100	*	*	7,050	425	200	50	7,000	325	250	125
Postsecondary teacher, engineering	25,750	800	1,250	150	D	D	8,550	550	800	125	14,850	625	250	75
Other engineer	36,200	725	1,400	150	*	*	13,450	600	800	100	20,000	600	550	100
S&E-related occupations	108,900	1,600	4,000	225	250	50	24,350	850	4,600	250	74,250	1,325	1,400	150
Health occupations, except postsecondary teachers and managers	36,200	875	1,500	150	50	25	8,950	550	1,900	175	23,300	725	500	75
Postsecondary teacher, health and related science	27,600	700	950	125	100	50	4,200	325	1,550	125	20,500	625	300	75
S&E managers, including health	28,900	925	1,050	125	50	25	6,550	500	750	125	20,100	700	350	75
S&E precollege teachers	6,850	450	300	50	D	D	550	175	400	75	5,500	400	100	50
S&E technicians/technologists	8,300	475	200	50	D	D	3,550	375	50	25	4,400	325	100	50
Other S&E-related occupation	1,100	175	S	S	D	D	550	125	D	D	500	125	D	D
Non-S&E occupations	185,050	1,900	6,950	300	400	75	32,150	950	8,850	350	134,050	1,775	2,650	175
Arts, humanities-related occupation	11,100	450	250	75	D	D	1,300	175	300	75	8,950	450	200	50
Management-related occupation	42,000	1,275	1,900	175	50	25	9,000	550	2,150	200	28,250	950	700	100
Non-S&E managers	64,350	1,175	2,000	150	150	50	11,200	625	2,850	225	47,500	975	700	100
Non-S&E postsecondary teachers	23,750	725	1,150	100	50	50	3,400	325	1,300	150	17,550	650	300	75

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(Number and SE)

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					American Indian or Alaska Native		Asian		Black or African American		White		Other race <sup>c</sup>	
	Number	SE	Number	SE	Number	SE	Number	SE	Number	SE	Number	SE	Number	SE
Non-S&E precollege/ other teachers	6,950	450	350	75	D	D	850	175	350	75	5,200	400	150	50
Sales, marketing occupation	11,350	550	400	75	D	D	3,050	325	350	75	7,300	450	250	125
Social service-related occupation	8,150	450	450	100	S	S	750	150	900	150	5,900	400	100	50
Other non-S&E occupation	17,400	700	500	75	D	D	2,600	325	650	125	13,350	650	300	100

\* = suppressed when population estimate < 25. D = suppressed to avoid disclosure of confidential information. S = suppressed for reliability; coefficient of variation exceeds publication standards.

S&E = science and engineering; SE = standard error.

<sup>a</sup> Hispanic or Latino may be of any race.

<sup>b</sup> American Indian or Alaska Native, Asian, Black or African American, and White are single race.

<sup>c</sup> Other race includes Native Hawaiian or Other Pacific Islander and persons reporting more than one race who are not of Hispanic or Latino ethnicity.

**Note(s):**

Numbers are rounded to the nearest 50. Standard errors are rounded up to the nearest 25. Detail may not add to total because of rounding. If respondent was not employed during survey reference period, occupation when last employed was reported. Excludes 350 individuals who reported never having worked so could not be classified by occupation. Residence location is based on reported living location on 1 February 2019.

**Source(s):**

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