

TABLE 14

**U.S. residing employed doctoral scientists and engineers, by sector of employment, broad field of doctorate, ethnicity, and race: 2019**

(Number and SE)

Employment sector and field of study	All employed		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 sectors	857,200	1,975	37,250	550	1,300	125	213,350	1,325	31,100	400	562,350	1,750	11,950	400
Science	640,300	1,900	29,200	475	1,050	125	128,850	1,150	23,750	375	447,900	1,800	9,500	325
Biological, agricultural, and environmental life sciences	220,700	1,100	10,250	275	200	50	50,650	875	7,050	250	149,050	1,100	3,550	200
Computer and information sciences	31,100	400	950	100	D	D	13,400	400	600	75	15,800	375	350	100
Mathematics and statistics	36,650	450	1,300	100	D	D	11,300	400	850	100	22,750	425	400	100
Physical sciences, geosciences, atmospheric sciences, and ocean sciences	133,750	950	4,350	200	50	25	32,900	725	3,050	225	91,750	975	1,650	150
Psychology	115,350	825	6,550	250	300	75	7,100	425	5,850	225	93,600	925	1,950	175
Social sciences	102,700	900	5,800	275	400	100	13,500	525	6,400	300	74,950	750	1,600	175
Engineering	176,700	1,175	6,650	275	150	50	75,800	1,150	4,150	200	88,050	1,050	1,900	225
Health	40,200	475	1,400	125	100	50	8,700	350	3,150	225	26,400	475	500	75
4-year educational institution <sup>d</sup>	344,350	2,325	16,350	400	600	100	68,950	1,300	13,750	400	240,100	1,850	4,600	250
Science	277,850	1,975	13,550	325	500	100	49,450	1,075	10,750	375	199,750	1,700	3,850	225
Biological, agricultural, and environmental life sciences	96,250	1,175	4,800	225	100	50	20,250	600	2,700	200	67,050	1,000	1,400	150
Computer and information sciences	10,750	475	400	75	D	D	3,800	350	250	50	6,250	350	100	25
Mathematics and statistics	20,200	525	900	100	D	D	5,050	350	550	75	13,500	450	200	75
Physical sciences, geosciences, atmospheric sciences, and ocean sciences	47,350	850	1,650	125	D	D	9,450	525	1,100	125	34,600	825	500	100
Psychology	39,150	775	2,100	150	50	25	3,400	325	2,200	175	30,700	775	700	100
Social sciences	64,150	975	3,750	200	300	75	7,550	450	4,000	250	47,650	875	900	125
Engineering	45,250	925	1,950	175	50	25	16,150	750	1,400	150	25,250	700	450	75
Health	21,250	550	800	100	50	25	3,350	275	1,600	125	15,050	475	300	75
Other educational institution <sup>e</sup>	30,900	900	1,900	175	100	50	3,150	400	2,450	200	22,700	725	550	100
Science	27,850	850	1,750	175	100	50	2,650	375	2,200	200	20,550	700	550	100
Biological, agricultural, and environmental life sciences	8,000	500	350	75	D	D	750	150	550	100	6,200	425	150	50
Computer and information sciences	400	100	D	D	D	D	S	S	50	25	300	100	D	D
Mathematics and statistics	1,550	175	100	50	D	D	150	75	50	25	1,200	150	D	D
Physical sciences, geosciences, atmospheric sciences, and ocean sciences	6,050	350	400	75	D	D	950	225	300	75	4,400	325	S	S
Psychology	7,150	400	450	75	S	S	250	100	800	150	5,500	325	150	50
Social sciences	4,700	375	500	125	D	D	500	175	500	125	3,000	275	200	75
Engineering	1,900	225	100	50	D	D	450	150	150	50	1,250	175	D	D
Health	1,150	150	50	25	D	D	50	50	100	50	900	150	D	D

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(Number and SE)

Employment sector and field of study	All employed		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
Private, for profit <sup>f</sup>	306,300	2,500	11,150	400	300	75	109,300	1,525	7,300	325	174,200	1,900	4,000	275
Science	194,000	2,050	7,600	325	250	75	55,750	1,225	5,050	275	122,700	1,600	2,700	225
Biological, agricultural, and environmental life sciences	68,550	1,175	2,900	200	D	D	19,450	725	1,850	175	43,250	950	1,000	125
Computer and information sciences	16,750	575	500	100	D	D	8,650	425	150	50	7,250	400	150	50
Mathematics and statistics	11,350	475	250	50	D	D	5,100	325	200	50	5,650	325	150	50
Physical sciences, geosciences, atmospheric sciences, and ocean sciences	56,600	1,025	1,550	150	50	25	18,200	700	1,250	175	34,850	875	700	125
Psychology	27,450	725	1,800	200	100	50	1,450	225	950	150	22,700	650	400	100
Social sciences	13,350	575	550	75	D	D	2,850	300	650	100	8,950	475	250	125
Engineering	102,700	1,175	3,300	200	50	25	50,100	925	1,800	150	46,300	900	1,200	200
Health	9,600	400	250	50	D	D	3,500	250	450	75	5,250	325	100	50
Private, nonprofit	55,900	1,125	2,350	175	50	25	11,150	525	2,400	275	39,050	1,025	850	125
Science	44,600	950	2,000	175	50	25	7,750	425	1,750	200	32,250	850	750	100
Biological, agricultural, and environmental life sciences	17,200	550	800	100	D	D	4,550	350	550	150	10,950	425	350	75
Computer and information sciences	1,250	200	D	D	D	D	400	125	*	*	800	150	D	D
Mathematics and statistics	1,400	175	50	25	D	D	300	100	D	D	1,000	150	D	D
Physical sciences, geosciences, atmospheric sciences, and ocean sciences	7,250	375	150	50	D	D	1,450	225	S	S	5,400	325	100	50
Psychology	11,250	500	700	125	D	D	700	175	600	100	9,100	475	150	50
Social sciences	6,200	300	300	75	D	D	400	75	400	75	5,050	300	100	50
Engineering	7,850	525	250	50	D	D	2,900	325	300	125	4,350	400	100	50
Health	3,450	300	100	50	D	D	500	150	350	100	2,450	275	D	D
Federal government	50,150	1,025	2,500	175	100	50	8,550	525	2,550	225	35,450	825	950	125
Science	39,050	925	1,900	150	100	50	5,550	425	2,000	200	28,700	800	800	125
Biological, agricultural, and environmental life sciences	16,250	575	900	100	*	*	2,950	300	900	125	11,150	450	350	75
Computer and information sciences	800	150	D	D	D	D	S	S	100	50	500	125	S	S
Mathematics and statistics	1,250	175	50	25	D	D	250	100	50	50	850	150	D	D
Physical sciences, geosciences, atmospheric sciences, and ocean sciences	8,500	450	350	75	D	D	1,200	175	200	50	6,650	400	150	50
Psychology	6,650	450	350	75	S	S	300	100	400	100	5,350	425	200	75
Social sciences	5,550	350	250	100	D	D	750	175	350	75	4,150	300	*	*
Engineering	9,000	450	500	125	D	D	2,300	250	300	75	5,800	350	100	50

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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
Health	2,100	200	100	50	D	D	700	150	300	75	950	125	S	S
State or local government	18,850	750	900	125	50	25	3,900	375	1,450	175	12,300	625	250	75
Science	14,900	625	700	100	50	25	2,500	275	1,000	125	10,450	550	200	75
Biological, agricultural, and environmental life sciences	4,800	375	200	50	D	D	950	175	350	100	3,250	300	50	25
Computer and information sciences	250	100	D	D	D	D	S	S	*	*	150	75	D	D
Mathematics and statistics	S	S	D	D	D	D	D	D	D	D	D	D	D	D
Physical sciences, geosciences, atmospheric sciences, and ocean sciences	2,500	275	100	50	D	D	700	175	50	25	1,550	175	S	S
Psychology	4,550	375	300	100	D	D	300	100	400	100	3,450	350	50	25
Social sciences	2,700	225	100	50	D	D	400	100	200	50	2,000	225	50	25
Engineering	3,000	275	200	75	D	D	1,250	225	200	75	1,350	200	*	*
Health	950	150	D	D	D	D	150	75	250	100	500	100	D	D
Self-employed <sup>d</sup>	40,750	1,100	1,450	150	50	25	4,400	375	800	100	33,450	975	600	125
Science	35,100	1,025	1,250	150	50	25	3,150	325	650	100	29,400	925	600	125
Biological, agricultural, and environmental life sciences	7,550	475	250	75	D	D	1,000	200	100	25	6,050	425	150	75
Computer and information sciences	650	125	D	D	D	D	200	75	D	D	450	100	D	D
Mathematics and statistics	650	150	D	D	D	D	200	100	D	D	400	100	D	D
Physical sciences, geosciences, atmospheric sciences, and ocean sciences	4,100	350	100	50	D	D	600	150	D	D	3,350	325	50	50
Psychology	18,200	675	750	125	D	D	750	175	400	100	16,000	625	300	100
Social sciences	3,950	300	150	50	D	D	400	100	200	50	3,150	275	S	S
Engineering	4,200	425	200	50	D	D	1,000	175	50	25	2,950	350	*	*
Health	1,450	200	*	*	D	D	250	100	50	25	1,100	175	D	D
Other sector <sup>h</sup>	10,050	550	550	100	D	D	3,850	350	400	75	5,150	400	100	50
Science	6,950	450	450	75	D	D	2,050	275	350	75	4,100	350	50	25
Biological, agricultural, and environmental life sciences	2,100	250	50	25	D	D	750	150	100	50	1,200	175	D	D
Computer and information sciences	250	75	D	D	D	D	100	50	D	D	150	75	D	D
Mathematics and statistics	200	75	D	D	D	D	150	75	D	D	S	S	D	D
Physical sciences, geosciences, atmospheric sciences, and ocean sciences	1,350	200	D	D	D	D	400	125	D	D	900	175	D	D
Psychology	950	175	S	S	D	D	D	D	50	50	750	150	D	D
Social sciences	2,100	275	250	75	D	D	650	200	150	50	1,050	200	D	D

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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
Engineering	2,800	325	100	50	D	D	1,700	250	S	S	900	175	D	D
Health	300	75	D	D	D	D	100	75	D	D	150	75	D	D

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

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.

<sup>d</sup> Includes 4-year colleges or universities, medical schools (including university-affiliated hospitals or medical centers), and university-affiliated research institutes.

<sup>e</sup> Includes 2-year colleges, community colleges, or technical institutes, and other precollege institutions.

<sup>f</sup> Includes those self-employed in an incorporated business.

<sup>g</sup> Self-employed or business owner in a nonincorporated business.

<sup>h</sup> Includes employers not broken out separately.

**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. 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.