

TABLE 14

U.S. residing employed doctoral scientists and engineers, by sector of employment, broad field of doctorate, ethnicity, and race: 2023

(Number and SE)

Employment sector and field of study	All employed		Hispanic or Latino ^a		Not Hispanic or Latino ^b									
					American Indian or Alaska Native		Asian		Black or African American		White		Other race ^c	
	Number	SE	Number	SE	Number	SE	Number	SE	Number	SE	Number	SE	Number	SE
All sectors	908,700	2,300	47,400	700	1,750	175	240,850	1,900	36,050	500	566,700	2,050	15,950	525
Science	667,950	2,050	37,200	575	1,400	150	145,950	1,600	26,950	450	443,550	1,975	12,850	500
Biological, agricultural, and environmental life sciences	235,050	1,175	13,400	425	450	125	57,550	1,025	8,150	300	150,750	1,300	4,750	300
Computer and information sciences	36,350	550	1,200	125	S	S	16,200	550	1,000	125	17,350	525	550	125
Mathematics and statistics	38,500	600	1,750	150	D	D	12,350	525	1,000	100	22,850	600	500	75
Physical sciences, geosciences, atmospheric sciences, and ocean sciences	141,800	1,125	5,650	275	100	50	37,150	875	3,650	250	92,950	1,050	2,300	175
Psychology	112,100	900	7,500	325	400	100	7,750	450	6,550	325	87,250	875	2,650	225
Social sciences	104,100	875	7,650	325	350	75	14,950	550	6,600	300	72,400	875	2,150	225
Engineering	196,750	1,300	8,000	325	150	50	85,750	1,175	5,050	250	95,550	1,200	2,250	250
Health	44,000	600	2,200	150	150	75	9,200	475	4,050	250	27,550	550	850	150
4-year educational institution ^d	341,350	2,475	20,100	450	650	100	72,100	1,450	14,450	450	227,850	2,050	6,200	325
Science	272,100	2,250	16,550	450	500	100	51,400	1,200	11,400	425	186,850	1,850	5,350	325
Biological, agricultural, and environmental life sciences	94,000	1,250	5,700	300	50	25	19,850	625	3,050	225	63,600	1,125	1,750	175
Computer and information sciences	12,400	550	500	75	D	D	4,550	400	500	125	6,650	400	S	S
Mathematics and statistics	19,900	725	1,150	150	D	D	4,950	425	650	100	12,950	550	250	50
Physical sciences, geosciences, atmospheric sciences, and ocean sciences	46,050	950	1,850	175	*	*	10,000	600	1,250	175	32,100	775	800	125
Psychology	38,600	850	2,650	225	100	50	3,600	350	2,250	200	28,750	725	1,200	150
Social sciences	61,150	1,025	4,650	300	250	75	8,500	500	3,700	275	42,800	825	1,200	150
Engineering	47,200	1,100	2,350	200	S	S	16,950	775	1,300	150	26,100	800	400	75
Health	22,100	575	1,200	125	100	50	3,750	350	1,800	175	14,900	500	400	75
Other educational institution ^e	26,750	875	2,100	200	150	75	3,250	375	2,100	200	18,500	725	600	150
Science	24,200	800	2,000	200	150	75	2,700	325	1,900	200	16,900	700	500	100
Biological, agricultural, and environmental life sciences	6,650	425	400	75	D	D	900	225	350	75	4,750	325	150	50
Computer and information sciences	250	75	D	D	D	D	S	S	50	25	100	75	D	D
Mathematics and statistics	1,450	200	100	50	D	D	250	100	50	25	950	150	D	D
Physical sciences, geosciences, atmospheric sciences, and ocean sciences	4,850	350	300	75	D	D	900	200	350	100	3,250	275	S	S
Psychology	6,200	400	700	125	D	D	150	75	600	100	4,650	350	100	50
Social sciences	4,800	400	450	100	D	D	400	125	500	125	3,200	325	200	100
Engineering	1,700	275	100	25	D	D	550	175	100	50	900	150	D	D
Health	900	150	50	25	D	D	D	D	100	50	700	150	D	D
Private, for profit ^f	354,100	2,775	15,100	450	300	75	130,650	1,775	10,750	425	191,800	2,025	5,550	375
Science	222,800	2,250	10,400	400	250	75	67,400	1,425	6,900	325	133,950	1,625	3,900	275
Biological, agricultural, and environmental life sciences	80,500	1,300	4,450	300	100	50	24,700	825	2,500	200	47,150	900	1,600	200

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(Number and SE)

Employment sector and field of study	All employed		Hispanic or Latino ^a		Not Hispanic or Latino ^b									
					American Indian or Alaska Native		Asian		Black or African American		White		Other race ^c	
	Number	SE	Number	SE	Number	SE	Number	SE	Number	SE	Number	SE	Number	SE
Computer and information sciences	20,800	675	600	100	D	D	10,650	550	400	100	8,900	500	250	75
Mathematics and statistics	13,050	550	300	50	D	D	6,000	450	250	75	6,350	350	150	50
Physical sciences, geosciences, atmospheric sciences, and ocean sciences	64,600	1,125	2,250	175	50	25	21,000	800	1,500	175	38,700	925	1,050	125
Psychology	27,500	875	1,900	200	50	50	1,650	225	1,400	175	22,000	825	500	125
Social sciences	16,300	675	900	125	D	D	3,400	325	900	125	10,850	600	350	125
Engineering	119,950	1,425	4,200	225	50	25	59,650	1,150	2,750	200	52,000	1,025	1,350	200
Health	11,350	450	500	100	D	D	3,600	300	1,100	200	5,850	350	250	125
Private, nonprofit	64,300	1,175	3,300	250	200	100	13,800	675	2,800	250	42,900	975	1,300	150
Science	51,550	1,025	2,800	250	S	S	10,250	600	2,100	225	35,100	875	1,150	150
Biological, agricultural, and environmental life sciences	20,900	800	1,050	150	D	D	5,750	450	600	100	13,000	700	450	75
Computer and information sciences	1,250	200	50	25	D	D	500	150	D	D	700	150	D	D
Mathematics and statistics	1,750	200	100	50	D	D	500	175	S	S	1,100	150	S	S
Physical sciences, geosciences, atmospheric sciences, and ocean sciences	8,550	475	300	50	D	D	1,800	275	150	50	6,200	350	100	50
Psychology	11,400	550	700	125	D	D	900	175	800	150	8,700	450	350	125
Social sciences	7,650	375	650	150	D	D	800	150	600	100	5,400	325	200	75
Engineering	8,200	475	300	50	D	D	2,750	350	200	75	4,850	350	100	50
Health	4,550	325	200	50	D	D	800	175	450	125	2,950	250	100	50
Federal government	58,600	1,250	3,600	225	250	75	10,700	625	3,100	250	39,800	1,025	1,150	150
Science	45,050	1,150	2,850	225	200	75	7,400	525	2,450	225	31,100	975	1,000	150
Biological, agricultural, and environmental life sciences	18,800	600	1,250	150	50	25	3,950	400	1,050	150	11,950	500	500	100
Computer and information sciences	750	150	S	S	D	D	150	75	50	25	400	125	S	S
Mathematics and statistics	1,200	175	S	S	D	D	250	75	50	25	800	150	D	D
Physical sciences, geosciences, atmospheric sciences, and ocean sciences	11,050	525	600	150	D	D	1,900	300	400	100	8,000	450	200	50
Psychology	6,900	475	500	100	150	75	300	100	500	150	5,250	425	200	75
Social sciences	6,350	400	400	100	D	D	800	175	400	75	4,650	350	50	25
Engineering	11,250	575	650	100	D	D	2,700	325	350	100	7,400	400	150	50
Health	2,350	225	100	50	D	D	600	150	300	75	1,300	200	D	D
State or local government	18,700	725	1,000	125	50	25	4,450	400	1,400	175	11,500	575	350	75
Science	14,400	600	800	125	S	S	2,600	275	1,000	150	9,650	525	300	50
Biological, agricultural, and environmental life sciences	5,450	325	200	50	D	D	1,050	175	300	75	3,750	300	150	50
Computer and information sciences	150	50	D	D	D	D	D	D	D	D	50	25	D	D
Mathematics and statistics	250	100	D	D	D	D	S	S	D	D	100	50	D	D
Physical sciences, geosciences, atmospheric sciences, and ocean sciences	2,700	275	150	50	D	D	700	150	50	25	1,750	225	50	25
Psychology	3,150	350	300	100	D	D	300	125	400	125	2,150	275	50	25

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					American Indian or Alaska Native		Asian		Black or African American		White		Other race ^c	
	Number	SE	Number	SE	Number	SE	Number	SE	Number	SE	Number	SE	Number	SE
Social sciences	2,650	250	100	50	D	D	450	100	250	75	1,800	225	50	25
Engineering	3,200	325	150	50	D	D	1,650	250	200	75	1,200	175	50	50
Health	1,100	150	100	50	D	D	150	75	200	50	650	125	D	D
Self-employed ^d	42,350	1,150	1,650	150	S	S	5,350	525	1,250	175	33,200	1,025	800	150
Science	35,800	1,050	1,350	125	S	S	3,750	450	1,050	175	28,950	975	650	125
Biological, agricultural, and environmental life sciences	8,300	475	250	50	D	D	1,300	250	200	75	6,250	375	200	75
Computer and information sciences	750	175	D	D	D	D	250	125	D	D	500	150	D	D
Mathematics and statistics	850	175	S	S	D	D	S	S	D	D	550	125	D	D
Physical sciences, geosciences, atmospheric sciences, and ocean sciences	3,800	350	150	50	D	D	750	200	D	D	2,850	300	50	50
Psychology	18,150	725	750	125	D	D	900	200	600	150	15,600	700	250	100
Social sciences	3,900	325	150	50	D	D	350	150	200	50	3,100	275	50	25
Engineering	4,950	400	250	75	D	D	1,400	250	100	50	3,100	350	S	S
Health	1,600	225	100	50	D	D	200	100	150	50	1,150	200	D	D
Other sector ^h	2,450	275	450	100	D	D	600	175	150	75	1,200	200	D	D
Science	2,100	250	400	100	D	D	450	150	100	75	1,100	200	D	D
Biological, agricultural, and environmental life sciences	450	100	50	50	D	D	D	D	50	25	250	75	D	D
Computer and information sciences	D	D	D	D	D	D	D	D	D	D	D	D	D	D
Mathematics and statistics	D	D	D	D	D	D	D	D	D	D	D	D	D	D
Physical sciences, geosciences, atmospheric sciences, and ocean sciences	150	75	D	D	D	D	D	D	D	D	100	50	D	D
Psychology	150	75	D	D	D	D	D	D	D	D	S	S	D	D
Social sciences	1,300	200	350	75	D	D	300	125	D	D	550	150	D	D
Engineering	250	100	D	D	D	D	D	D	D	D	100	50	D	D
Health	100	50	D	D	D	D	D	D	D	D	D	D	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.

^a Hispanic or Latino may be of any race.^b American Indian or Alaska Native, Asian, Black or African American, and White are single race.^c Other race includes individuals who reported being Native Hawaiian or Other Pacific Islander, single race, and those who reported being more than one race.^d Four-year educational institution includes 4-year colleges or universities, medical schools (including university-affiliated hospitals or medical centers), and university-affiliated research institutes.

^e Other educational institution includes 2-year colleges, community colleges, technical institutes, precollege institutions, and other educational institutions.

^f Private, for profit includes those self-employed in an incorporated business.

^g Self-employed or business owner in a nonincorporated business.

^h Other sector 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 2023

Source(s):

National Center for Science and Engineering Statistics, Survey of Doctorate Recipients, 2023.