TABLE 14

U.S. residing employed doctoral scientists and engineers, by sector of employment, broad field of doctorate, ethnicity, and race: 2021

(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	872,100	2,425	40,100	475	1,400	125	219,800	1,600	31,800	475	562,950	2,075	16,000	575
Science	647,300	2,000	31,500	475	1,050	100	133,500	1,475	23,950	450	444,750	2,100	12,500	525
Biological, agricultural, and environmental life sciences	226,850	1,275	11,300	325	250	50	53,200	1,025	7,300	300	150,150	1,350	4,700	325
Computer and information sciences	33,600	425	1,050	100	D	D	14,200	400	750	100	17,050	500	550	175
Mathematics and statistics	36,600	575	1,500	125	*	*	11,150	500	900	100	22,450	575	600	150
Physical sciences, geosciences, atmospheric sciences, and ocean sciences	137,050	1,025	4,850	225	100	25	34,750	900	2,850	175	91,950	1,025	2,550	275
Psychology	113,500	825	6,550	300	350	75	6,600	375	6,000	325	91,600	825	2,400	225
Social sciences	99,700	1,000	6,300	275	350	75	13,600	525	6,150	250	71,550	875	1,750	175
Engineering	183,100	1,325	6,900	250	200	50	78,100	1,175	4,500	250	90,800	1,100	2,600	250
Health	41,650	525	1,700	125	150	50	8,250	350	3,350	225	27,400	500	900	150
4-year educational institution[d]	340,950	2,450	17,300	525	600	100	69,800	1,375	13,650	425	233,700	2,075	5,850	325
Science	272,450	2,175	14,050	475	450	75	50,500	1,175	10,600	375	192,150	1,925	4,700	300
Biological, agricultural, and environmental life sciences	95,500	1,375	4,850	275	150	50	20,600	850	2,800	225	65,500	1,200	1,600	200
Computer and information sciences	11,850	450	400	75	D	D	4,300	350	350	100	6,500	375	250	125
Mathematics and statistics	20,250	625	1,000	100	D	D	4,950	375	600	100	13,500	550	200	50
Physical sciences, geosciences, atmospheric sciences, and ocean sciences	45,900	1,025	1,650	150	D	D	10,200	625	1,100	150	32,150	850	750	150
Psychology	38,700	800	2,450	225	50	25	2,900	250	2,200	225	30,150	700	950	150
Social sciences	60,250	950	3,750	250	250	75	7,500	450	3,500	225	44,350	850	950	125
Engineering	46,850	1,150	2,300	175	50	50	16,100	700	1,500	150	26,200	850	700	150
Health	21,600	600	900	100	50	50	3,250	300	1,600	150	15,400	525	450	100
Other educational institution[e]	27,800	825	1,950	150	100	50	3,350	325	2,050	175	19,900	675	450	75
Science	25,000	800	1,750	150	100	50	2,650	300	1,800	175	18,300	700	400	75
Biological, agricultural, and environmental life sciences	7,300	475	350	75	D	D	750	200	450	100	5,600	400	100	50
Computer and information sciences	350	100	D	D	D	D	D	D	50	25	200	75	D	D
Mathematics and statistics	1,250	200	50	25	D	D	200	75	50	25	950	175	D	D
Physical sciences, geosciences, atmospheric sciences, and ocean sciences	5,450	375	350	75	D	D	1,000	175	350	75	3,700	350	S	S
Psychology	6,350	425	550	100	S	S	250	100	500	100	4,950	375	50	25
Social sciences	4,350	375	400	75	D	D	400	100	500	125	2,900	350	150	50
Engineering	1,850	250	100	50	D	D	650	200	150	50	950	175	D	D
Health	950	175	50	25	D	D	D	D	100	25	700	150	D	D

TABLE 14

U.S. residing employed doctoral scientists and engineers, by sector of employment, broad field of doctorate, ethnicity, and race: 2021

(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
Private, for profit[f]	320,850	2,625	12,400	425	300	75	114,300	1,375	7,700	350	180,150	1,975	5,950	425
Science	203,450	2,075	8,800	400	250	75	58,050	1,100	5,000	275	127,000	1,725	4,300	375
Biological, agricultural, and environmental life sciences	73,150	1,175	3,800	275	50	25	21,000	775	1,850	175	44,800	1,025	1,650	200
Computer and information sciences	18,350	475	600	100	D	D	8,950	425	250	75	8,250	425	250	125
Mathematics and statistics	11,250	525	250	50	D	D	5,000	350	150	50	5,550	375	350	150
Physical sciences, geosciences, atmospheric sciences, and ocean sciences	60,000	1,150	1,850	175	50	25	18,800	750	900	100	37,200	900	1,150	200
Psychology	26,750	800	1,450	175	100	50	1,250	200	1,100	150	22,250	750	600	125
Social sciences	13,850	650	850	125	D	D	3,050	325	750	100	8,950	525	250	100
Engineering	107,350	1,400	3,300	175	50	25	53,000	1,100	2,050	175	47,700	1,075	1,300	175
Health	10,050	400	300	75	D	D	3,250	250	650	100	5,450	350	350	125
Private, nonprofit	60,200	1,300	2,950	250	150	50	12,150	625	2,750	275	40,800	1,025	1,400	175
Science	48,200	1,275	2,450	250	50	25	8,950	575	1,900	200	33,700	1,000	1,150	175
Biological, agricultural, and environmental life sciences	20,000	725	950	100	D	D	5,450	450	550	100	12,700	650	400	75
Computer and information sciences	1,100	200	*	*	D	D	350	150	D	D	750	150	D	D
Mathematics and statistics	1,400	225	100	50	D	D	350	150	S	S	900	150	50	25
Physical sciences, geosciences, atmospheric sciences, and ocean sciences	7,750	400	300	75	D	D	1,300	200	100	50	5,800	350	250	100
Psychology	10,650	575	650	100	D	D	750	175	800	150	8,200	525	250	100
Social sciences	7,300	475	500	150	D	D	800	225	450	100	5,300	375	200	100
Engineering	7,750	475	300	75	S	S	2,600	250	350	125	4,300	300	200	75
Health	4,250	300	200	75	D	D	650	175	500	150	2,800	225	50	25
Federal government	52,700	1,250	2,800	200	100	50	8,700	575	2,450	200	37,550	1,025	1,050	150
Science	40,850	1,125	2,150	175	100	25	6,000	475	2,000	175	29,800	950	850	125
Biological, agricultural, and environmental life sciences	16,750	725	900	100	*	*	2,850	350	1,000	125	11,600	600	400	100
Computer and information sciences	700	125	50	25	D	D	150	75	50	25	450	125	D	D
Mathematics and statistics	1,100	175	S	S	D	D	250	100	50	25	800	100	D	D
Physical sciences, geosciences, atmospheric sciences, and ocean sciences	9,700	475	450	100	D	D	1,650	275	250	75	7,150	400	200	50
Psychology	6,700	475	400	100	D	D	350	125	350	75	5,400	425	200	75
Social sciences	5,950	450	300	100	D	D	800	175	350	75	4,400	400	S	S
Engineering	9,550	550	500	75	D	D	2,050	250	250	50	6,500	450	200	75

TABLE 14

U.S. residing employed doctoral scientists and engineers, by sector of employment, broad field of doctorate, ethnicity, and race: 2021

(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
Health	2,250	250	100	50	D	D	650	150	200	50	1,250	175	D	D
State or local government	19,650	750	750	100	S	S	4,650	400	1,350	175	12,550	650	300	75
Science	15,550	675	550	100	D	D	3,050	350	1,100	175	10,550	600	250	50
Biological, agricultural, and environmental life sciences	5,250	375	150	50	D	D	1,200	200	350	100	3,450	300	100	50
Computer and information sciences	350	150	D	D	D	D	S	S	D	D	200	125	D	D
Mathematics and statistics	300	100	D	D	D	D	S	S	D	D	150	75	D	D
Physical sciences, geosciences, atmospheric sciences, and ocean sciences	3,100	275	150	50	D	D	700	150	50	25	2,150	250	50	25
Psychology	3,900	400	150	50	D	D	550	200	400	125	2,750	325	50	25
Social sciences	2,600	225	100	50	D	D	350	100	250	75	1,850	200	50	25
Engineering	3,250	300	150	50	D	D	1,400	225	150	50	1,500	225	50	25
Health	850	125	D	D	D	D	200	100	100	50	450	100	D	D
Self-employed[g]	42,650	1,075	1,500	150	50	25	4,150	375	1,350	200	34,750	1,050	750	150
Science	36,800	1,025	1,300	150	50	25	2,750	325	1,200	200	30,750	1,000	700	150
Biological, agricultural, and environmental life sciences	7,550	450	250	75	D	D	900	200	200	100	5,800	450	400	125
Computer and information sciences	700	175	D	D	D	D	D	D	D	D	650	150	D	D
Mathematics and statistics	800	150	D	D	D	D	150	100	S	S	550	125	D	D
Physical sciences, geosciences, atmospheric sciences, and ocean sciences	4,100	375	100	50	D	D	800	200	D	D	3,200	300	S	S
Psychology	19,750	750	850	150	D	D	600	150	600	150	17,500	725	200	75
Social sciences	3,900	325	100	50	D	D	300	100	300	75	3,100	300	100	50
Engineering	4,500	400	150	50	D	D	1,250	225	100	50	2,950	325	50	50
Health	1,350	175	50	25	D	D	150	50	100	50	1,100	175	D	D
Other sector[h]	7,300	425	500	100	D	D	2,650	300	450	100	3,500	325	250	125
Science	5,000	375	400	75	D	D	1,550	250	350	75	2,550	250	200	100
Biological, agricultural, and environmental life sciences	1,300	175	50	25	D	D	450	125	150	50	700	125	S	S
Computer and information sciences	S	S	D	D	D	D	S	S	D	D	D	D	D	D
Mathematics and statistics	200	75	D	D	D	D	150	75	D	D	50	25	D	D
Physical sciences, geosciences, atmospheric sciences, and ocean sciences	1,050	175	*	*	D	D	350	125	D	D	600	125	D	D
Psychology	700	150	50	25	D	D	D	D	D	D	500	125	D	D
Social sciences	1,500	200	300	75	D	D	450	150	50	50	750	125	D	D

TABLE 14

U.S. residing employed doctoral scientists and engineers, by sector of employment, broad field of doctorate, ethnicity, and race: 2021

(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
Engineering	1,950	275	100	50	D	D	1,050	225	S	S	700	175	D	D
Health	350	100	D	D	D	D	D	D	S	S	200	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.

[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 Native Hawaiian or Other Pacific Islander and persons reporting more than one race who are not of Hispanic or Latino ethnicity.

[d] Includes 4-year colleges or universities, medical schools (including university-affiliated hospitals or medical centers), and university-affiliated research institutes.

[e] Includes 2-year colleges, community colleges, or technical institutes, and other precollege institutions.

[f] Includes those self-employed in an incorporated business.

[g] Self-employed or business owner in a nonincorporated business.

[h] 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 2021.

Source(s):
National Center for Science and Engineering Statistics, Survey of Doctorate Recipients, 2021.