

TABLE 24

U.S. residing employed doctoral scientists and engineers, by selected demographic characteristics and broad field of doctorate: 2023

(Number and SE)

Characteristic	All employed		Science														Engineering		Health	
			Total		Biological, agricultural, and environmental life sciences		Computer and information sciences		Mathematics and statistics		Physical sciences		Psychology		Social sciences					
	Number	SE	Number	SE	Number	SE	Number	SE	Number	SE	Number	SE	Number	SE	Number	SE	Number	SE		
Doctorate recipient	908,700	2,300	667,950	2,050	235,050	1,175	36,350	550	38,500	600	141,800	1,125	112,100	900	104,100	875	196,750	1,300	44,000	600
Sex																				
Male	558,900	1,850	383,950	1,775	126,550	1,275	29,250	550	28,750	575	103,750	1,100	38,400	750	57,200	875	159,650	1,375	15,300	475
Female	349,800	1,475	284,000	1,400	108,500	1,075	7,150	375	9,700	400	38,050	750	73,700	950	46,900	675	37,100	725	28,700	525
Ethnicity and race																				
Hispanic or Latino ^a	47,400	700	37,200	575	13,400	425	1,200	125	1,750	150	5,650	275	7,500	325	7,650	325	8,000	325	2,200	150
Not Hispanic or Latino ^b																				
American Indian or Alaska Native	1,750	175	1,400	150	450	125	S	S	D	D	100	50	400	100	350	75	150	50	150	75
Asian	240,850	1,900	145,950	1,600	57,550	1,025	16,200	550	12,350	525	37,150	875	7,750	450	14,950	550	85,750	1,175	9,200	475
Black or African American	36,050	500	26,950	450	8,150	300	1,000	125	1,000	100	3,650	250	6,550	325	6,600	300	5,050	250	4,050	250
White	566,700	2,050	443,550	1,975	150,750	1,300	17,350	525	22,850	600	92,950	1,050	87,250	875	72,400	875	95,550	1,200	27,550	550
Other race ^c	15,950	525	12,850	500	4,750	300	550	125	500	75	2,300	175	2,650	225	2,150	225	2,250	250	850	150
Age																				
Under 35	101,900	1,100	69,000	900	25,400	500	4,200	250	5,250	250	19,650	525	7,750	375	6,700	275	29,100	550	3,800	225
35–39	139,700	1,525	99,400	1,200	38,000	700	7,400	375	6,800	325	20,500	600	13,650	450	13,050	475	34,350	775	5,950	300
40–44	135,200	1,425	98,850	1,300	36,600	875	6,550	400	5,600	350	19,550	650	14,450	500	16,150	525	29,950	750	6,400	350
45–49	119,100	1,425	88,400	1,300	33,150	900	5,350	375	5,000	350	17,400	575	13,700	500	13,750	500	24,750	800	5,950	350
50–54	112,200	1,400	85,750	1,175	29,650	775	4,550	350	4,300	325	16,950	625	15,350	625	14,950	625	21,200	750	5,250	350
55–59	100,500	1,625	74,100	1,275	24,500	775	3,100	275	3,800	250	16,750	675	13,550	600	12,400	550	21,450	850	4,950	325
60–64	87,550	1,500	64,300	1,225	21,150	650	2,750	275	3,950	275	14,500	600	11,100	500	10,850	425	18,600	750	4,650	350
65–75	112,550	1,375	88,150	1,275	26,600	750	2,450	225	3,800	300	16,450	575	22,600	700	16,250	575	17,350	675	7,050	375
Citizenship																				
U.S. citizen	774,700	2,225	586,650	2,200	208,600	1,275	24,700	550	30,250	625	121,150	1,275	109,300	875	92,650	900	148,250	1,325	39,800	625
Native born	562,450	1,725	453,150	1,825	160,150	1,275	13,200	450	19,850	575	88,350	1,025	98,300	950	73,350	875	78,800	1,075	30,500	550
Naturalized	212,250	1,775	133,500	1,700	48,450	1,125	11,500	500	10,450	500	32,800	925	11,050	525	19,300	625	69,450	1,150	9,300	500
Non-U.S. citizen	134,000	1,550	81,300	1,350	26,450	775	11,700	450	8,200	400	20,650	700	2,800	300	11,450	500	48,500	925	4,250	300
Permanent resident	94,750	1,575	57,500	1,375	19,100	675	8,350	475	5,350	400	14,450	600	2,100	275	8,250	500	34,200	975	3,000	250
Temporary resident	39,250	775	23,750	600	7,400	350	3,350	250	2,900	250	6,200	400	700	150	3,250	300	14,250	575	1,200	150
Years since doctorate																				
≤ 5	143,600	575	99,000	625	35,450	450	7,350	275	6,450	225	21,200	450	13,700	375	14,900	325	35,100	500	9,500	300
6–10	169,900	925	120,550	1,000	43,050	575	8,600	375	7,150	350	24,150	475	17,350	450	20,250	425	39,300	675	10,050	350
11–15	146,200	925	107,600	925	40,800	700	7,150	400	5,850	325	21,050	625	16,450	450	16,250	500	31,550	675	7,100	350
16–20	117,750	800	87,850	875	31,200	625	4,450	275	5,150	300	16,950	575	15,750	525	14,350	500	23,950	675	5,950	350
21–25	105,200	1,000	79,000	900	28,100	600	3,250	275	4,050	300	16,300	500	14,800	450	12,450	450	21,650	675	4,550	350

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			Total		Biological, agricultural, and environmental life sciences		Computer and information sciences		Mathematics and statistics		Physical sciences		Psychology		Social sciences					
	Number	SE	Number	SE	Number	SE	Number	SE	Number	SE	Number	SE	Number	SE	Number	SE	Number	SE		
> 25	226,050	1,575	173,950	1,300	56,450	825	5,600	325	9,800	375	42,150	800	34,050	725	25,900	550	45,200	900	6,850	350
Place of birth																				
United States	555,700	1,700	446,950	1,725	157,600	1,225	12,900	450	19,500	525	87,250	1,025	97,250	950	72,450	825	78,550	1,100	30,200	550
Asia	245,150	1,900	142,400	1,675	52,900	1,075	17,300	575	12,550	525	38,050	900	6,550	450	15,050	550	93,550	1,200	9,200	475
Europe	53,550	975	39,750	825	11,200	550	3,500	350	3,850	325	9,300	450	3,650	350	8,250	425	12,450	575	1,350	200
North America ^d	13,700	500	10,650	500	3,500	250	700	175	550	100	2,050	225	1,650	275	2,250	250	2,400	200	650	125
Central America	2,300	225	1,650	200	600	100	50	50	100	50	200	50	350	125	350	100	600	100	50	25
Caribbean	4,150	300	3,100	275	1,100	175	100	50	100	50	450	100	750	125	650	100	600	100	450	125
South America	13,750	450	9,850	425	3,800	225	500	100	800	125	1,550	175	850	125	2,400	200	3,400	225	500	100
Africa	18,000	475	11,750	475	3,850	275	1,100	200	850	125	2,700	275	850	200	2,400	200	4,850	375	1,450	200
Oceania	2,100	225	1,650	200	400	125	150	75	200	75	250	75	250	100	350	125	350	100	100	50
Unknown ^e	S	S	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D

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 North America excludes United States.^e Unknown includes unspecified non-U.S. locations.**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.