TABLE 24

U.S. residing employed doctoral scientists and engineers, by selected demographic characteristics and broad field of doctorate: 2021

(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	Number	SE
Doctorate recipient	872,100	2,425	647,300	2,000	226,850	1,275	33,600	425	36,600	575	137,050	1,025	113,500	825	99,700	1,000	183,100	1,325	41,650	525
Sex																				
Male	543,550	2,350	378,200	2,000	125,000	1,225	27,350	425	28,100	575	101,250	975	41,050	900	55,400	850	149,800	1,425	15,600	450
Female	328,500	1,250	269,100	1,300	101,850	900	6,250	275	8,500	350	35,750	725	72,450	825	44,300	650	33,300	675	26,100	500
Ethnicity																				
Hispanic or Latino[a]	40,100	475	31,500	475	11,300	325	1,050	100	1,500	125	4,850	225	6,550	300	6,300	275	6,900	250	1,700	125
Not Hispanic or Latino[b]																				
American Indian or Alaska Native	1,400	125	1,050	100	250	50	D	D	*	*	100	25	350	75	350	75	200	50	150	50
Asian	219,800	1,600	133,500	1,475	53,200	1,025	14,200	400	11,150	500	34,750	900	6,600	375	13,600	525	78,100	1,175	8,250	350
Black or African American	31,800	475	23,950	450	7,300	300	750	100	900	100	2,850	175	6,000	325	6,150	250	4,500	250	3,350	225
White	562,950	2,075	444,750	2,100	150,150	1,350	17,050	500	22,450	575	91,950	1,025	91,600	825	71,550	875	90,800	1,100	27,400	500
Other race[c]	16,000	575	12,500	525	4,700	325	550	175	600	150	2,550	275	2,400	225	1,750	175	2,600	250	900	150
Age																				
Under 35	99,200	925	68,800	850	25,650	550	3,650	250	5,150	325	19,850	525	7,850	350	6,700	325	26,400	575	4,000	225
35–39	130,150	1,225	93,700	1,175	37,050	775	6,500	350	6,250	375	18,100	525	13,000	450	12,850	500	31,200	700	5,250	275
40–44	127,550	1,400	94,150	1,200	35,600	800	6,350	350	5,250	375	19,200	625	13,600	525	14,150	425	27,750	675	5,650	325
45–49	111,200	1,250	83,450	1,050	30,850	750	5,250	325	4,650	275	15,700	550	13,700	575	13,300	525	22,500	700	5,300	350
50–54	104,550	1,225	78,150	1,150	26,050	650	3,600	225	4,050	275	16,050	550	13,850	500	14,500	500	21,300	700	5,100	300
55–59	98,950	1,375	72,950	1,100	24,550	625	3,100	225	4,100	275	16,750	575	12,800	475	11,650	475	21,450	725	4,600	275
60–64	86,450	1,375	64,300	1,175	21,250	725	3,050	250	3,200	275	14,300	600	12,000	475	10,450	425	17,350	600	4,800	325
65–75	114,100	1,575	91,850	1,350	25,900	775	2,150	225	4,000	300	17,050	600	26,700	775	16,100	575	15,200	675	7,000	400
Citizenship																				
U.S. citizen	746,850	2,200	570,500	1,950	201,500	1,325	23,050	450	28,500	575	117,450	1,050	110,950	825	89,050	1,100	138,850	1,425	37,550	525
Native-born	554,050	1,850	449,900	1,950	157,450	1,300	13,350	400	19,300	475	86,600	1,050	101,250	900	71,950	875	74,600	925	29,600	500
Naturalized	192,800	1,675	120,600	1,375	44,050	925	9,700	425	9,200	450	30,850	775	9,750	475	17,050	650	64,250	1,175	7,950	400
Non-U.S. citizen	125,250	1,425	76,800	1,200	25,350	675	10,600	450	8,150	450	19,600	750	2,500	275	10,650	500	44,300	975	4,100	300
Permanent resident	84,250	1,300	51,300	1,050	16,350	550	7,400	400	4,950	400	12,900	650	1,850	225	7,850	525	30,400	825	2,600	250
Temporary resident	40,950	825	25,550	725	9,000	425	3,150	300	3,200	300	6,700	425	650	175	2,800	225	13,900	475	1,550	200
Years since doctorate																				
≤ 5	141,750	600	99,900	775	36,150	575	6,600	275	6,150	325	22,050	525	13,550	400	15,350	475	32,750	575	9,100	275
6–10	159,000	975	114,100	1,025	41,900	600	8,250	350	6,800	350	21,350	525	17,150	425	18,700	525	35,750	725	9,150	375
11–15	137,450	875	99,600	925	38,200	775	6,400	350	6,100	350	18,900	525	15,300	525	14,750	600	30,800	825	7,050	375

TABLE 24

U.S. residing employed doctoral scientists and engineers, by selected demographic characteristics and broad field of doctorate: 2021

(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	Number	SE
16–20	108,850	825	82,250	925	28,700	700	3,800	300	4,400	350	16,200	500	15,050	600	14,050	525	21,000	750	5,600	300
21–25	104,600	950	78,500	1,000	26,900	700	3,200	275	3,800	275	16,850	525	15,300	625	12,400	475	22,300	675	3,850	300
> 25	220,400	1,675	172,950	1,525	55,000	1,025	5,300	325	9,350	425	41,700	875	37,150	800	24,400	700	40,550	900	6,950	325
Place of birth																				
United States	547,750	1,750	444,950	1,875	155,750	1,300	13,150	400	19,250	475	85,500	1,050	100,550	875	70,750	825	73,600	950	29,200	500
Asia	229,750	1,750	132,650	1,500	49,550	1,025	15,850	475	11,600	525	35,600	975	5,850	425	14,250	525	88,900	1,175	8,200	400
Europe[d]	44,650	725	34,050	750	9,200	425	2,600	250	3,400	275	8,800	500	2,850	250	7,200	450	9,250	500	1,350	225
North America[e]	8,650	500	6,800	425	2,050	275	200	75	350	100	1,700	275	1,150	175	1,400	200	1,400	225	450	75
Central America[f]	5,800	325	4,350	300	1,600	150	300	75	250	50	800	100	550	100	850	150	1,300	125	150	50
Caribbean	3,950	275	3,000	275	1,000	150	100	50	50	25	450	100	800	150	600	125	600	100	300	75
South America	12,050	475	8,650	400	3,400	250	450	75	650	100	1,350	125	800	125	2,050	225	3,000	225	450	75
Africa	16,150	450	10,400	325	3,650	275	800	150	850	150	2,400	250	600	125	2,150	175	4,600	350	1,150	150
Oceania	2,200	250	1,600	200	400	100	100	75	250	125	350	125	150	100	250	100	300	100	300	150
Unknown	1,150	250	800	225	250	125	D	D	D	D	D	D	D	D	S	S	200	75	150	75

* = 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 Russia.
[e] Excludes United States.
[f] Includes Mexico.

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.