

TABLE 2-D

Doctoral scientists and engineers, by demographic and degree characteristics and transitions into and out of the United States: 2015–19

(Number)

Demographic and degree characteristics	All doctoral scientists and engineers		In United States in 2015										Out of United States in 2015									
			Total		In United States in 2017		Out of United States in 2017		In United States in 2019		Out of United States in 2019		Total		In United States in 2017		Out of United States in 2017		In United States in 2019		Out of United States in 2019	
	Total	SE	Number	SE	Number	SE	Number	SE	Number	SE	Number	SE	Number	SE	Number	SE	Number	SE	Number	SE	Number	SE
Total	856,050	1,500	742,750	1,850	734,000	1,950	8,750	600	733,300	1,925	9,450	525	113,300	1,250	8,150	500	105,150	1,175	10,700	550	102,600	1,250
Gender																						
Male	556,750	1,475	473,050	1,775	466,600	1,800	6,450	525	466,300	1,775	6,750	500	83,700	1,225	5,850	450	77,850	1,150	7,600	500	76,100	1,225
Female	299,300	950	269,700	1,125	267,400	1,150	2,300	275	267,000	1,175	2,700	300	29,600	700	2,300	225	27,250	700	3,050	275	26,500	700
Ethnicity and race																						
Hispanic or Latino ^a	43,100	475	32,000	525	31,350	550	600	100	31,300	550	650	100	11,100	425	650	100	10,500	400	950	175	10,200	375
Not Hispanic or Latino ^b																						
American Indian or Alaska Native	2,450	200	2,300	200	2,300	175	D	D	2,300	175	D	D	100	75	D	D	100	75	D	D	100	75
Asian	237,150	1,000	180,050	1,300	176,050	1,375	4,050	450	175,900	1,350	4,150	450	57,100	1,000	2,850	325	54,300	950	3,800	350	53,300	1,000
Black or African American	29,050	400	26,200	450	25,950	450	250	50	25,900	450	300	75	2,900	250	200	75	2,700	250	300	75	2,550	225
White	534,100	1,650	493,000	1,850	489,300	1,900	3,700	325	488,750	1,900	4,250	325	41,100	950	4,450	375	36,650	900	5,600	400	35,550	925
More than one race ^c	10,150	450	9,200	425	9,100	425	100	50	9,150	425	50	50	950	200	D	D	900	200	100	25	850	175
Degree field																						
Science	640,450	1,350	560,200	1,725	553,550	1,725	6,650	450	552,900	1,750	7,300	450	80,250	1,075	5,900	425	74,300	1,050	7,500	450	72,750	1,050
Biological, agricultural, and environmental life sciences	219,850	800	196,100	1,100	194,250	1,100	1,850	225	193,950	1,150	2,100	250	23,750	750	1,400	200	22,350	725	2,050	250	21,650	675
Computer and information sciences	29,600	175	25,300	300	24,950	350	350	100	24,750	350	550	150	4,300	275	450	175	3,850	300	500	175	3,800	300
Mathematics and statistics	37,650	425	30,700	500	30,200	500	550	175	30,200	525	550	150	6,950	350	550	150	6,350	350	500	125	6,450	350
Physical sciences, geosciences, atmospheric, and ocean sciences	139,100	675	121,800	825	120,300	825	1,500	225	120,100	850	1,750	225	17,250	550	1,550	225	15,700	550	1,850	225	15,400	575
Psychology	105,000	800	100,700	900	100,200	900	500	125	100,150	875	600	150	4,300	325	400	125	3,900	300	600	150	3,700	275
Social sciences	109,250	775	85,550	900	83,650	925	1,900	225	83,750	925	1,750	200	23,750	650	1,550	225	22,200	650	2,000	250	21,750	650
Engineering	178,050	700	148,950	900	147,100	925	1,850	350	147,050	900	1,900	300	29,100	800	1,750	250	27,350	775	2,700	300	26,400	750
Health	37,550	425	33,600	575	33,350	550	250	125	33,350	550	250	100	3,950	350	500	125	3,500	325	500	150	3,500	325
Years since degree																						
≤ 10 years	164,250	675	141,900	875	139,450	950	2,450	250	139,100	925	2,750	250	22,350	650	2,600	275	19,750	625	4,000	325	18,350	575
11–20 years	291,850	1,000	252,950	1,250	249,700	1,325	3,250	375	249,350	1,275	3,600	325	38,900	700	2,850	300	36,050	700	3,300	275	35,600	725
21–30 years	243,350	1,325	206,950	1,350	204,750	1,375	2,200	275	204,800	1,375	2,150	275	36,400	775	2,000	225	34,450	750	2,350	275	34,100	725
> 30 years	156,600	1,225	141,000	1,300	140,100	1,325	900	200	140,000	1,325	950	225	15,600	675	700	175	14,950	650	1,000	200	14,600	650
Disability status in 2015																						
With disability	71,700	1,250	60,100	1,175	59,300	1,175	850	175	59,350	1,175	750	175	11,600	550	600	175	11,000	550	800	150	10,800	550
Without disability	784,350	1,950	682,650	2,125	674,750	2,125	7,900	525	673,950	2,175	8,700	475	101,700	1,250	7,550	475	94,150	1,175	9,900	525	91,800	1,225
Citizenship at graduation																						
U.S. citizen and permanent resident	598,950	2,075	573,600	2,000	569,900	2,050	3,700	325	569,150	2,025	4,450	350	25,350	800	4,350	350	21,000	775	5,550	375	19,850	750
Temporary visa holder	257,100	1,600	169,150	1,650	164,100	1,700	5,050	475	164,150	1,700	5,050	425	87,900	1,250	3,800	350	84,100	1,200	5,150	400	82,750	1,200

D = suppressed to avoid disclosure of confidential information.

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.

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 2015. Survey asks degree of difficulty—none, slight, moderate, severe, or unable to do—an individual has in seeing (with glasses), hearing (with hearing aid), walking without assistance, lifting 10 pounds, or concentrating, remembering, or making decisions. Those respondents who answered "moderate," "severe," or "unable to do" for any activity were classified as having a disability.

Source(s):

National Center for Science and Engineering Statistics, Survey of Doctorate Recipients longitudinal panel 2015–25 (LSDR 2015–19 data file).