

TABLE 1-C

**Doctoral scientists and engineers, by demographic and degree characteristics and changes between U.S. and non-U.S. location: 2015–19**

(Number and percent)

Demographic and degree characteristics	All scientists and engineers		Changes in location (number)						Changes in location (%)					
			0		1		2		0		1		2	
	Number	SE	Total	SE	Total	SE	Total	SE	Percent	SE	Percent	SE	Percent	SE
Total	856,050	1,500	831,350	1,675	20,150	750	4,550	425	97.12	0.15	2.35	0.10	0.53	0.05
Gender														
Male	556,750	1,475	538,950	1,650	14,400	700	3,450	375	96.80	0.15	2.58	0.15	0.62	0.10
Female	299,300	950	292,450	1,000	5,750	400	1,100	175	97.71	0.15	1.93	0.15	0.36	0.10
Ethnicity and race														
Hispanic or Latino <sup>a</sup>	43,100	475	41,200	500	1,600	200	350	75	95.54	0.45	3.68	0.45	0.77	0.20
Not Hispanic or Latino <sup>b</sup>														
American Indian or Alaska Native	2,450	200	2,400	175	D	D	D	D	97.44	1.20	D	D	D	D
Asian	237,150	1,000	227,300	1,125	7,950	525	1,950	300	95.83	0.25	3.35	0.25	0.81	0.15
Black or African American	29,050	400	28,400	400	600	125	50	25	97.64	0.40	2.13	0.40	0.23	0.10
White	534,100	1,650	522,200	1,750	9,800	500	2,100	275	97.77	0.15	1.84	0.10	0.39	0.05
More than one race <sup>c</sup>	10,150	450	9,950	450	150	50	50	50	97.79	0.55	1.51	0.40	0.71	0.35
Field of degree														
Science	640,450	1,350	622,300	1,425	14,800	575	3,300	350	97.17	0.10	2.31	0.10	0.52	0.10
Biological, agricultural, and environmental life sciences	219,850	800	214,750	850	4,200	350	900	200	97.69	0.20	1.91	0.15	0.41	0.10
Computer and information sciences	29,600	175	28,400	275	1,000	225	200	75	95.90	0.75	3.45	0.75	0.65	0.25
Mathematics and statistics	37,650	425	36,300	475	1,050	200	300	125	96.46	0.60	2.75	0.55	0.79	0.30
Physical sciences, geosciences, atmospheric, and ocean sciences	139,100	675	134,700	725	3,600	325	750	175	96.85	0.25	2.59	0.25	0.56	0.15
Psychology	105,000	800	103,550	825	1,200	225	250	75	98.62	0.25	1.13	0.20	0.25	0.10
Social sciences	109,250	775	104,600	800	3,750	300	900	150	95.74	0.30	3.43	0.30	0.82	0.15
Engineering	178,050	700	172,400	800	4,600	425	1,050	200	96.83	0.30	2.58	0.25	0.59	0.15
Health	37,550	425	36,650	450	750	175	150	75	97.53	0.45	2.01	0.45	0.46	0.20
Years since degree														
≤ 10 years	164,250	675	156,600	850	6,750	400	850	175	95.35	0.30	4.12	0.25	0.52	0.10
11–20 years	291,850	1,000	283,100	1,125	6,900	400	1,900	275	96.99	0.20	2.37	0.15	0.64	0.10
21–30 years	243,350	1,325	237,550	1,275	4,450	375	1,350	250	97.61	0.20	1.84	0.20	0.55	0.10
> 30 years	156,600	1,225	154,150	1,250	2,000	325	450	150	98.44	0.25	1.27	0.20	0.29	0.10
Residence location in 2015														
U.S. residing	742,750	1,850	730,300	2,000	9,450	525	3,000	325	98.32	0.10	1.27	0.10	0.40	0.05
Non-U.S. residing	113,300	1,250	101,050	1,200	10,700	550	1,550	250	89.21	0.50	9.43	0.50	1.36	0.25
Disability status in 2015														
With disability	71,700	1,250	69,700	1,225	1,550	250	450	150	97.19	0.40	2.17	0.35	0.63	0.20
Without disability	784,350	1,950	761,650	2,050	18,600	700	4,100	425	97.11	0.15	2.37	0.10	0.52	0.10
Citizenship at graduation														
U.S. citizen and permanent resident	598,950	2,075	587,050	2,050	9,950	500	1,950	225	98.01	0.10	1.66	0.10	0.33	0.05
Temporary visa holder	257,100	1,600	244,300	1,625	10,200	575	2,600	325	95.03	0.25	3.96	0.25	1.01	0.15

D = suppressed to avoid disclosure of confidential information.

SE = standard error.

<sup>a</sup> Hispanic or Latino may be of any race.

<sup>b</sup> American Indian or Alaska Native, Asian, Black or African American, and White are single race.

<sup>c</sup> 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. Number of changes in residence location since baseline of 2015 as reported during the survey reference week of 1 February 2015 (baseline), 2017, and 2019. 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).