

TABLE 2-A

## Doctoral scientists and engineers, by demographic and degree characteristics and workforce transitions: 2015–19

(Number)

Demographic and degree characteristics	All doctoral scientists and engineers		Not working in 2015														Working in 2015													
			Total		Employed in 2017		Unemployed in 2017		Not in labor force in 2017		Employed in 2019		Unemployed in 2019		Not in labor force in 2019		Total		Employed in 2017		Unemployed in 2017		Not in labor force in 2017		Employed in 2019		Unemployed in 2019		Not in labor force in 2019	
	Total	SE	Number	SE	Number	SE	Number	SE	Number	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	48,750	950	15,000	600	4,200	350	29,550	750	17,150	700	2,700	325	28,850	750	807,300	1,700	777,450	1,950	9,500	625	20,400	725	756,450	1,900	8,500	675	42,350	1,000
Gender																														
Male	556,750	1,475	23,450	750	7,300	475	2,450	300	13,650	575	7,700	525	1,800	300	13,950	575	533,350	1,500	514,900	1,650	6,100	575	12,350	625	500,950	1,575	5,500	550	26,850	825
Female	299,300	950	25,300	800	7,700	450	1,750	175	15,850	625	9,450	525	950	125	14,900	625	273,950	1,225	262,550	1,225	3,400	300	8,050	400	255,450	1,350	3,000	300	15,500	600
Ethnicity and race																														
Hispanic or Latino <sup>a</sup>	43,100	475	2,350	200	1,000	150	300	100	1,050	150	1,050	150	250	100	1,050	150	40,750	525	39,400	525	650	100	750	125	39,000	550	550	100	1,200	150
Not Hispanic or Latino <sup>b</sup>																														
American Indian or Alaska Native	2,450	200	150	75	D	D	D	D	100	50	D	D	D	D	100	50	2,250	200	2,200	200	D	D	D	D	2,150	200	D	D	50	50
Asian	237,150	1,000	11,350	625	5,100	375	1,200	225	5,100	500	5,750	425	700	175	4,900	450	225,800	1,175	218,050	1,350	3,100	350	4,650	475	214,650	1,300	2,400	325	8,750	575
Black or African American	29,050	400	1,450	150	750	100	200	75	500	100	750	100	150	50	600	100	27,600	400	26,450	425	500	100	700	125	26,100	425	500	125	1,000	150
White	534,100	1,650	32,950	775	7,850	450	2,550	250	22,550	725	9,350	525	1,600	250	21,950	650	501,150	1,825	481,900	2,025	5,150	500	14,100	575	465,400	1,975	4,900	500	30,850	875
More than one race <sup>c</sup>	10,150	450	500	100	250	75	D	D	250	75	250	75	D	D	200	75	9,700	450	9,400	450	100	50	150	50	9,100	425	100	50	500	100
Field of degree																														
Science	640,450	1,350	39,250	825	11,800	550	3,450	300	24,000	675	13,550	625	2,050	250	23,650	650	601,200	1,500	578,400	1,550	7,000	550	15,800	650	562,000	1,525	5,950	525	33,250	925
Biological, agricultural, and environmental life sciences	219,850	800	14,500	450	4,900	325	1,500	200	8,150	400	5,800	350	750	175	7,950	350	205,300	800	197,050	850	3,000	300	5,250	375	192,050	925	2,250	300	11,000	575
Computer and information sciences	29,600	175	1,400	175	550	150	150	75	700	150	550	150	D	D	750	150	28,200	250	27,100	325	400	100	700	150	26,750	350	200	75	1,250	200
Mathematics and statistics	37,650	425	1,950	225	550	150	300	100	1,100	175	700	175	150	75	1,100	175	35,700	425	34,650	450	350	125	700	150	34,050	475	150	100	1,500	225
Physical sciences, geosciences, atmospheric, and ocean sciences	139,100	675	7,750	300	2,500	275	800	150	4,400	275	2,500	250	550	125	4,700	275	131,350	675	126,100	650	1,750	225	3,500	350	122,300	625	1,350	225	7,700	425
Psychology	105,000	800	7,750	325	1,500	225	400	100	5,850	350	1,900	250	D	D	5,750	300	97,300	800	93,900	800	600	125	2,800	275	90,300	775	900	175	6,050	350
Social sciences	109,250	775	5,900	300	1,800	200	350	125	3,750	275	2,000	225	450	125	3,450	250	103,400	750	99,600	800	950	175	2,850	325	96,550	800	1,050	175	5,750	400
Engineering	178,050	700	7,150	375	2,550	275	600	150	3,950	350	2,950	325	550	150	3,700	300	170,900	775	165,400	850	2,150	300	3,350	375	161,950	950	2,250	325	6,700	500
Health	37,550	425	2,350	200	650	125	150	50	1,600	200	700	125	150	75	1,550	200	35,200	450	33,650	450	350	100	1,200	200	32,500	525	300	125	2,400	275
Years since degree																														
≤ 10 years	164,250	675	7,200	375	4,650	300	450	100	2,100	225	5,100	325	500	100	1,600	175	157,050	750	152,950	800	2,450	225	1,700	200	152,650	850	1,700	225	2,700	250
11–20 years	291,850	1,000	10,650	500	4,600	325	1,100	150	4,950	350	5,600	375	650	125	4,400	300	281,200	1,025	275,350	1,075	3,050	325	2,800	300	274,200	1,125	2,850	325	4,200	350
21–30 years	243,350	1,325	11,750	575	3,400	325	1,400	225	6,900	425	3,800	375	850	175	7,100	425	231,600	1,375	224,000	1,425	2,350	300	5,250	375	216,350	1,425	2,800	375	12,500	600
> 30 years	156,600	1,225	19,150	600	2,350	250	1,250	225	15,550	550	2,700	325	650	175	15,800	575	137,450	1,175	125,150	1,225	1,650	250	10,650	625	113,250	1,175	1,200	225	23,000	800
Residence location in 2015																														
U.S. residing	742,750	1,850	44,900	900	13,100	600	3,800	325	28,050	750	15,200	700	2,400	300	27,350	700	697,850	1,875	671,550	2,000	8,250	625	18,000	650	652,950	1,925	7,600	650	37,300	950
Non-U.S. residing	113,300	1,250	3,850	325	1,900	250	450	125	1,500	200	1,950	225	350	125	1,500	200	109,450	1,225	105,850	1,200	1,250	200	2,350	300	103,450	1,275	900	175	5,050	350
Disability status in 2015																														
With disability	71,700	1,250	6,450	375	1,600	225	700	150	4,150	350	1,650	250	500	125	4,300	350	65,250	1,250	61,900	1,225	1,200	200	2,150	275	59,300	1,200	1,150	225	4,800	375
Without disability	784,350	1,950	42,300	925	13,400	575	3,500	325	25,350	750	15,500	675	2,200	300	24,600	750	742,050	2,050	715,500	2,250	8,300	550	18,250	700	697,150	2,150	7,400	625	37,550	1,000

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(Number)

Demographic and degree characteristics	All doctoral scientists and engineers		Not working in 2015												Working in 2015															
			Total		Employed in 2017		Unemployed in 2017		Not in labor force in 2017		Employed in 2019		Unemployed in 2019		Not in labor force in 2019		Total		Employed in 2017		Unemployed in 2017		Not in labor force in 2017		Employed in 2019		Unemployed in 2019		Not in labor force in 2019	
	Total	SE	Number	SE	Number	SE	Number	SE	Number	SE	Number	SE	Number	SE	Number	SE	Number	SE	Number	SE	Number	SE	Number	SE	Number	SE	Number	SE	Number	SE
Citizenship at graduation																														
U.S. citizen and permanent resident	598,950	2,075	38,000	850	9,850	450	2,950	275	25,150	750	11,200	550	1,850	250	24,950	700	561,000	2,100	538,550	2,200	6,550	575	15,850	600	521,300	2,075	6,000	550	33,650	925
Temporary visa holder	257,100	1,600	10,750	550	5,150	375	1,250	200	4,350	450	5,950	425	900	175	3,900	375	246,350	1,575	238,850	1,550	2,950	325	4,500	400	235,150	1,625	2,500	275	8,700	550

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. Unemployed includes individuals who were not working during the survey reference week but had been seeking work in the prior 4 weeks or who were on layoff from their job. 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).