

TABLE 26-1

## U.S. residing employed doctoral scientists and engineers, by selected demographic and employment-related characteristics, primary or secondary work activity, and sector of employment: 2019

(Number and SE)

Characteristic	All employed		4-year educational institution <sup>a</sup>		Other educational institution <sup>b</sup>		Private, for profit <sup>c</sup>		Private, nonprofit		Federal government		State or local government		Self-employed <sup>d</sup>		Other <sup>e</sup>	
	Number	SE	Number	SE	Number	SE	Number	SE	Number	SE	Number	SE	Number	SE	Number	SE	Number	SE
Doctorate Recipient	857,200	1,975	344,350	2,325	30,900	900	306,300	2,500	55,900	1,125	50,150	1,025	18,850	750	40,750	1,100	10,050	550
Sex																		
Male	546,050	1,750	211,850	2,075	14,300	675	218,700	2,050	31,100	925	31,150	825	10,950	550	21,750	950	6,250	450
Female	311,200	1,200	132,500	1,450	16,600	575	87,600	1,225	24,800	625	19,000	650	7,900	425	19,000	575	3,800	350
Ethnicity																		
Hispanic or Latino <sup>f</sup>	37,250	550	16,350	400	1,900	175	11,150	400	2,350	175	2,500	175	900	125	1,450	150	550	100
Not Hispanic or Latino <sup>g</sup>																		
American Indian or Alaska Native	1,300	125	600	100	100	50	300	75	50	25	100	50	50	25	50	25	D	D
Asian	213,350	1,325	68,950	1,300	3,150	400	109,300	1,525	11,150	525	8,550	525	3,900	375	4,400	375	3,850	350
Black or African American	31,100	400	13,750	400	2,450	200	7,300	325	2,400	275	2,550	225	1,450	175	800	100	400	75
White	562,350	1,750	240,100	1,850	22,700	725	174,200	1,900	39,050	1,025	35,450	825	12,300	625	33,450	975	5,150	400
Other race <sup>h</sup>	11,950	400	4,600	250	550	100	4,000	275	850	125	950	125	250	75	600	125	100	50
Age																		
Under 35	99,050	1,050	37,250	900	1,700	175	44,850	925	6,600	375	4,950	300	1,800	250	950	150	950	150
35–39	128,800	1,375	52,050	925	3,350	275	52,300	1,100	8,700	450	6,600	375	2,650	250	1,950	225	1,200	200
40–44	117,500	1,325	47,450	950	4,000	300	44,650	925	8,000	450	7,150	450	2,100	250	2,700	275	1,450	250
45–49	108,400	1,450	45,750	1,100	4,350	275	37,400	900	7,000	400	7,100	475	2,350	225	3,100	300	1,300	200
50–54	100,900	1,375	39,200	1,050	4,750	375	37,000	1,050	6,700	475	6,250	375	2,200	275	3,600	300	1,250	225
55–59	101,950	1,400	39,950	1,050	4,300	325	35,500	825	6,300	425	6,900	400	2,500	350	5,100	425	1,350	200
60–64	88,300	1,400	37,000	1,025	3,800	325	26,250	850	5,600	350	6,350	450	2,300	250	5,950	375	1,050	200
65–75	112,350	1,625	45,650	1,100	4,650	375	28,350	950	7,000	475	4,800	400	2,950	325	17,450	725	1,550	225
Citizenship																		
U.S. citizen	732,750	2,000	296,150	2,175	29,550	900	245,250	2,275	49,900	1,100	48,550	1,000	16,950	700	39,100	1,075	7,300	450
Native-born	555,150	1,575	234,600	1,775	24,850	800	165,250	1,825	40,300	925	38,850	900	13,250	625	33,650	950	4,400	325
Naturalized	177,600	1,675	61,550	1,425	4,650	375	80,000	1,325	9,600	575	9,750	525	3,700	350	5,450	450	2,900	325
Non-U.S. citizen	124,450	1,600	48,250	1,125	1,350	200	61,000	1,250	6,000	375	1,550	225	1,900	275	1,600	250	2,800	275
Permanent resident	87,200	1,475	33,150	1,000	950	175	43,750	1,200	4,050	325	950	150	1,400	225	1,500	225	1,450	200
Temporary resident	37,300	900	15,100	650	450	125	17,250	625	1,950	250	600	150	450	125	100	75	1,300	225
Years since doctorate																		
≤ 5	142,500	625	57,300	900	3,950	275	55,950	875	10,600	500	7,950	400	3,500	325	1,800	175	1,450	175
6–10	154,750	1,025	63,300	975	5,250	350	58,850	950	10,450	475	8,250	425	3,300	275	3,200	275	2,150	250
11–15	127,000	1,150	52,350	975	4,750	300	46,000	1,050	8,400	450	8,000	475	2,550	275	3,750	325	1,250	175
16–20	108,700	825	44,650	825	4,500	350	37,450	775	6,800	375	7,900	500	2,550	225	3,650	325	1,200	200
21–25	104,250	825	38,950	875	4,500	375	38,700	950	6,550	425	6,650	350	2,350	275	5,100	400	1,400	225
> 25	220,000	1,575	87,800	1,425	7,950	475	69,350	1,200	13,100	625	11,350	550	4,550	375	23,250	800	2,700	300

**TABLE 26-1**  
**U.S. residing employed doctoral scientists and engineers, by selected demographic and employment-related characteristics, primary or secondary work activity, and sector of employment: 2019**

(Number and SE)

Characteristic	All employed		4-year educational institution <sup>a</sup>		Other educational institution <sup>b</sup>		Private, for profit <sup>c</sup>		Private, nonprofit		Federal government		State or local government		Self-employed <sup>d</sup>		Other <sup>e</sup>		
	Number	SE	Number	SE	Number	SE	Number	SE	Number	SE	Number	SE	Number	SE	Number	SE	Number	SE	
Primary or secondary work activity <sup>i</sup>																			
Any R&D	540,350	2,375	234,300	2,225	6,750	400	201,550	2,075	33,450	825	33,950	850	9,950	475	13,950	625	6,450	450	
Applied research	300,950	2,225	119,750	1,750	3,000	300	110,550	1,575	23,400	725	25,700	725	6,750	450	7,850	450	4,000	325	
Basic research	180,500	2,150	134,700	1,750	2,350	225	15,800	700	11,000	425	10,900	475	2,350	275	2,200	250	1,200	200	
Design	64,450	1,275	7,250	425	750	150	44,850	1,100	3,800	350	2,800	250	1,500	200	2,500	300	1,050	200	
Development	133,400	1,625	11,850	550	1,400	200	98,900	1,475	5,900	325	5,800	425	1,850	250	5,200	400	2,500	325	
Computer applications	86,100	1,425	12,500	500	800	150	58,050	1,175	5,150	400	4,350	325	2,150	250	1,800	200	1,300	200	
Management, sales, or administration <sup>j</sup>	351,450	2,375	110,000	1,375	10,250	500	146,550	1,850	28,350	875	24,600	575	10,050	550	17,200	800	4,400	325	
Professional services	121,550	1,600	20,050	775	3,900	300	46,500	1,125	14,000	650	7,650	475	4,750	375	22,950	800	1,750	250	
Teaching	245,900	2,050	201,700	1,950	23,150	825	8,450	500	4,400	350	2,050	225	1,200	175	4,500	375	400	125	
Other work activities <sup>k</sup>	81,800	1,475	28,500	850	4,300	300	27,950	800	5,200	350	7,100	425	2,900	275	4,450	375	1,400	225	

D = suppressed to avoid disclosure of confidential information.

SE = standard error.

<sup>a</sup> Includes 4-year colleges or universities, medical schools (including university-affiliated hospitals or medical centers), and university-affiliated research institutes.

<sup>b</sup> Includes 2-year colleges, community colleges, or technical institutes, and other precollege institutions.

<sup>c</sup> Includes those self-employed in an incorporated business.

<sup>d</sup> Self-employed or business owner in a nonincorporated business.

<sup>e</sup> Includes employers not broken out separately.

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

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

<sup>h</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.

<sup>i</sup> Primary and secondary work activities were self-defined by respondent in response to the question: "On which two activities...did you work the most hours during a typical week on this job?" Detail may exceed total due to multiple responses.

<sup>j</sup> Administration includes accounting, finance, contracts, and human resources.

<sup>k</sup> Includes production, operations, maintenance, and other activities not broken out separately.

**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 2019.

**Source(s):**

National Center for Science and Engineering Statistics, Survey of Doctorate Recipients: 2019.