

TABLE 77

U.S. residing doctoral scientists and engineers on postdoctoral appointments, by selected demographic characteristics and broad field of doctorate: 2019

(Number and SE)

Characteristic	All employed		Science																Engineering		Health	
	Number	SE	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								
On postdoc in February 2019	25,400	725	21,050	700	13,400	550	300	100	800	150	4,900	350	1,000	150	650	100	3,350	300	1,050	175		
Years since doctorate																						
≤ 5 years	20,700	600	17,050	550	10,500	450	250	100	750	150	4,150	325	850	150	550	100	2,850	275	850	150		
6–10 years	3,900	350	3,250	325	2,500	250	D	D	D	D	550	125	50	50	50	25	450	125	200	100		
11–15 years	650	125	550	125	350	100	D	D	D	D	150	100	D	D	D	D	S	S	D	D		
> 15 years	200	75	200	75	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D		
Sex																						
Male	14,650	625	11,700	575	6,650	400	250	100	700	125	3,500	300	450	100	200	50	2,450	250	450	125		
Female	10,800	475	9,350	425	6,700	375	*	*	150	75	1,400	175	600	125	450	75	900	150	550	125		
Ethnicity																						
Hispanic or Latino ^a	1,300	125	1,100	125	800	100	D	D	*	*	150	50	50	50	50	25	150	50	50	25		
Not Hispanic or Latino ^b																						
American Indian or Alaska Native	50	25	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D		
Asian	11,150	525	8,650	475	5,350	375	S	S	450	125	2,400	300	200	75	100	50	2,050	275	450	100		
Black or African American	1,000	150	750	125	400	75	D	D	D	D	200	100	50	50	50	25	100	50	S	S		
White	11,450	400	10,050	400	6,450	350	100	50	350	100	2,000	175	700	125	450	75	1,000	150	350	100		
Other race ^c	500	100	450	100	350	75	D	D	D	D	100	50	D	D	D	D	50	25	D	D		
Age																						
Under 35	14,450	525	12,000	475	7,100	375	200	100	650	150	3,350	300	550	125	150	50	2,000	225	450	100		
35–44	9,650	500	8,000	475	5,700	425	S	S	150	75	1,300	200	350	100	400	75	1,200	200	450	100		
45–75	1,350	175	1,000	150	600	125	D	D	D	D	250	100	S	S	50	50	150	75	S	S		
Citizenship																						
U.S. citizen	13,800	425	12,050	425	8,000	375	100	50	350	100	2,300	200	800	150	500	75	1,200	150	550	125		
Non-U.S. citizen	11,650	575	9,000	525	5,400	400	200	100	500	125	2,600	300	200	75	100	50	2,100	275	500	125		
Sector of employment																						
Educational institution ^d	18,700	600	15,750	575	9,950	425	200	75	700	125	3,600	300	800	150	500	100	2,300	250	650	125		
Business/ industry ^e	4,050	350	3,100	300	2,150	250	D	D	D	D	700	150	S	S	D	D	750	175	200	75		
Government ^f	2,700	225	2,150	200	1,300	175	D	D	D	D	600	150	150	75	100	50	350	75	200	100		

* = 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 Educational institution includes 4-year educational institution includes 4-year colleges or universities, medical schools (including university-affiliated hospitals or medical centers), university-affiliated research institutes, 2-year colleges, community colleges, technical institutes, precollege institutions, and other educational institutions.

^e Business or industry includes private for profit, private not for profit, self-employed or business owners in incorporated or nonincorporated business, non-U.S. governments, and employers not broken out separately.

^f Government includes U.S. federal, state, and local government.

Note(s):

Numbers are rounded to the nearest 50. Standard errors are rounded up to the nearest 25. A postdoc is a temporary position awarded in academe, industry, nonprofit organizations, or government primarily for gaining additional education and training in research. Postdoc status is reported for the principal job as of the survey reference date (1 February 2019). Years since doctorate were calculated as academic years since doctorate attainment. 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.