

TABLE 1-A

Doctoral scientists and engineers, by demographic and degree characteristics and unemployment spells: 2015–19

(Number and percent)

Demographic and degree characteristics	All scientists and engineers		Unemployment spells (number)								Unemployment spells (%)							
			0		1		2		3		0		1		2		3	
	Number	SE	Total	SE	Total	SE	Total	SE	Total	SE	Percent	SE	Percent	SE	Percent	SE	Percent	SE
Total	856,050	1,500	825,650	1,800	24,450	925	4,600	425	1,350	200	96.45	0.15	2.86	0.15	0.54	0.05	0.16	0.05
Gender																		
Male	556,750	1,475	538,550	1,625	14,300	700	2,850	350	1,050	200	96.73	0.15	2.57	0.15	0.51	0.10	0.19	0.05
Female	299,300	950	287,100	1,075	10,150	525	1,750	225	300	75	95.92	0.20	3.39	0.20	0.59	0.10	0.09	0.05
Ethnicity and race																		
Hispanic or Latino ^a	43,100	475	41,100	500	1,600	175	250	75	150	75	95.36	0.40	3.67	0.40	0.61	0.20	0.36	0.20
Not Hispanic or Latino ^b																		
American Indian or Alaska Native	2,450	200	2,300	200	100	50	D	D	D	D	95.20	1.45	3.81	1.30	D	D	D	D
Asian	237,150	1,000	227,850	1,225	7,500	525	1,350	275	450	150	96.08	0.30	3.17	0.25	0.57	0.15	0.18	0.10
Black or African American	29,050	400	27,400	425	1,350	200	200	75	100	50	94.27	0.65	4.72	0.65	0.68	0.20	0.33	0.15
White	534,100	1,650	517,150	1,825	13,550	725	2,700	350	650	125	96.83	0.15	2.54	0.15	0.51	0.10	0.12	0.05
More than one race ^c	10,150	450	9,800	475	350	75	50	25	D	D	96.32	0.80	3.21	0.75	0.46	0.25	D	D
Field of degree																		
Science	640,450	1,350	617,600	1,400	18,350	725	3,400	350	1,050	175	96.43	0.15	2.87	0.15	0.53	0.10	0.16	0.05
Biological, agricultural, and environmental life sciences	219,850	800	210,350	900	7,750	450	1,250	200	500	125	95.68	0.25	3.52	0.20	0.57	0.10	0.23	0.10
Computer and information sciences	29,600	175	28,550	225	900	150	150	75	D	D	96.44	0.60	2.97	0.50	0.46	0.20	D	D
Mathematics and statistics	37,650	425	36,600	425	700	175	300	125	D	D	97.22	0.55	1.80	0.45	0.73	0.30	D	D
Physical sciences, geosciences, atmospheric, and ocean sciences	139,100	675	133,700	700	4,250	325	850	175	250	100	96.13	0.30	3.06	0.25	0.63	0.15	0.18	0.10
Psychology	105,000	800	102,550	825	2,250	225	200	75	D	D	97.65	0.25	2.12	0.25	0.19	0.10	D	D
Social sciences	109,250	775	105,850	800	2,600	250	700	150	100	50	96.88	0.30	2.38	0.25	0.63	0.15	0.11	0.05
Engineering	178,050	700	171,800	850	4,950	450	1,050	225	250	100	96.48	0.30	2.79	0.25	0.60	0.15	0.14	0.05
Health	37,550	425	36,300	450	1,100	225	100	50	D	D	96.57	0.55	2.96	0.60	0.32	0.15	D	D
Years since degree																		
≤ 10 years	164,250	675	156,750	800	6,350	400	900	150	200	75	95.45	0.30	3.88	0.25	0.55	0.10	0.13	0.05
11–20 years	291,850	1,000	282,700	1,100	7,650	500	1,200	200	400	100	96.85	0.20	2.61	0.20	0.40	0.10	0.13	0.05
21–30 years	243,350	1,325	235,050	1,425	6,150	450	1,750	275	400	125	96.59	0.25	2.53	0.20	0.71	0.15	0.17	0.05
> 30 years	156,600	1,225	151,150	1,250	4,300	400	800	175	350	125	96.52	0.30	2.75	0.25	0.52	0.15	0.22	0.10
Residence location in 2015																		
U.S. residing	742,750	1,850	715,800	2,000	21,750	850	4,050	425	1,150	200	96.37	0.15	2.93	0.15	0.55	0.10	0.15	0.05
Non-U.S. residing	113,300	1,250	109,850	1,250	2,650	300	550	100	200	75	96.97	0.30	2.36	0.30	0.49	0.10	0.18	0.10
Disability status in 2015																		
With disability	71,700	1,250	68,100	1,225	2,400	275	950	200	200	75	94.97	0.50	3.37	0.40	1.35	0.25	0.31	0.10
Without disability	784,350	1,950	757,550	2,225	22,050	850	3,650	375	1,150	200	96.58	0.15	2.81	0.15	0.46	0.05	0.14	0.05

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(Number and percent)

Demographic and degree characteristics	All scientists and engineers		Unemployment spells (number)								Unemployment spells (%)								
			0		1		2		3		0		1		2		3		
	Number	SE	Total	SE	Total	SE	Total	SE	Total	SE	Percent	SE	Percent	SE	Percent	SE	Percent	SE	
Citizenship at graduation																			
U.S. citizen and permanent resident	598,950	2,075	578,050	2,075	16,850	750	3,250	350	850	150	96.51	0.15	2.81	0.15	0.54	0.10	0.14	0.05	
Temporary visa holder	257,100	1,600	247,600	1,675	7,600	475	1,350	225	550	125	96.31	0.25	2.95	0.20	0.53	0.10	0.21	0.05	

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. 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. Number of unemployment spells is the count of times an individual was unemployed on the survey reference week of 1 February 2015, 2017, and 2019. 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).