

TABLE 46

## U.S. residing employed doctoral scientists and engineers, by employer location and broad occupation: 2019

(Number and SE)

Employer location	All employed		Science occupations																		Engineering occupations		S&E-related occupations		Non-S&E occupations	
			Total		Biological, agricultural, and other life scientist		Computer and information scientist		Mathematical scientist		Physical scientist		Psychologist		Social scientist											
	Number	SE	Number	SE	Number	SE	Number	SE	Number	SE	Number	SE	Number	SE	Number	SE	Number	SE	Number	SE	Number	SE				
All locations	857,200	1,975	492,750	2,500	156,650	1,525	63,000	1,100	41,400	750	84,550	1,275	77,600	950	69,500	1,025	120,650	1,375	92,350	1,475	151,500	1,650				
New England	77,100	1,375	45,650	1,125	17,600	625	5,300	400	3,450	300	6,550	400	6,350	475	6,400	425	8,800	500	8,900	525	13,750	475				
Connecticut	12,900	550	7,650	450	2,450	250	650	150	500	100	1,250	175	1,550	225	1,250	200	1,650	250	1,400	200	2,200	250				
Maine	2,750	300	1,900	250	700	150	50	50	150	50	300	100	350	125	300	100	100	50	250	100	500	125				
Massachusetts	52,350	1,150	30,400	950	13,050	575	4,100	350	2,550	250	4,050	300	3,100	325	3,550	325	6,100	375	6,400	450	9,450	400				
New Hampshire	3,450	325	1,900	250	550	125	250	100	S	S	300	100	450	125	300	75	350	100	350	100	850	150				
Rhode Island	3,400	250	2,300	225	400	100	100	50	100	50	450	125	550	125	700	150	400	125	300	100	400	100				
Vermont	2,300	250	1,550	200	450	100	150	75	100	50	150	75	350	125	350	100	250	100	150	75	300	75				
Middle Atlantic	117,450	1,875	70,150	1,450	20,500	775	8,400	450	7,450	425	10,700	550	13,050	625	10,050	525	11,550	575	12,900	575	22,800	750				
New Jersey	23,700	875	13,800	675	4,400	350	2,100	250	1,750	250	2,500	250	1,650	250	1,350	200	2,800	350	2,350	250	4,750	350				
New York	59,150	1,150	35,850	925	8,950	525	4,750	375	3,850	300	4,200	375	8,000	500	6,100	425	5,200	375	6,650	450	11,500	600				
Pennsylvania	34,600	975	20,550	775	7,150	450	1,550	225	1,850	175	4,000	325	3,400	300	2,600	275	3,550	350	3,950	325	6,550	400				
East North Central	100,900	1,550	58,350	1,250	17,950	600	5,550	450	5,050	375	11,550	550	9,350	525	8,900	475	13,850	650	10,550	500	18,200	675				
Illinois	28,900	875	16,650	700	4,750	350	1,850	225	1,500	200	3,350	325	2,400	275	2,800	275	3,300	325	2,900	275	6,100	375				
Indiana	13,450	575	8,150	425	3,100	275	800	200	850	150	1,200	175	1,150	175	1,100	225	1,800	250	1,400	175	2,100	250				
Michigan	21,450	725	11,700	525	3,400	300	1,200	200	900	125	2,200	225	2,100	250	1,850	225	4,000	300	2,050	200	3,650	300				
Ohio	24,950	800	14,250	575	3,950	325	1,050	175	1,200	175	3,400	275	2,600	250	1,950	225	3,450	375	3,000	250	4,250	325				
Wisconsin	12,150	575	7,650	475	2,750	275	700	125	600	125	1,350	200	1,100	175	1,150	175	1,300	175	1,200	175	2,050	225				
West North Central	48,750	1,175	29,600	800	11,600	500	2,250	275	2,300	225	4,650	375	4,850	400	4,000	300	5,250	425	5,700	350	8,250	475				
Iowa	6,850	400	4,550	375	1,700	225	300	100	450	125	750	200	650	150	650	125	850	175	700	175	750	125				
Kansas	5,500	350	3,650	300	1,300	200	300	100	250	75	450	100	750	150	600	100	650	175	550	125	700	125				
Minnesota	16,100	725	9,150	500	3,200	300	850	150	750	125	1,800	250	1,650	250	950	125	2,250	275	1,900	225	2,850	300				
Missouri	12,650	575	7,550	450	3,200	275	700	150	600	125	1,000	150	950	175	1,100	150	900	150	1,600	200	2,600	275				
Nebraska	4,500	325	2,700	250	1,250	175	D	D	100	50	400	100	500	125	450	125	350	100	600	150	850	175				
North Dakota	1,350	175	900	150	500	125	D	D	D	D	100	50	150	75	100	50	150	75	100	50	200	75				
South Dakota	1,700	225	1,100	200	500	150	D	D	100	50	100	50	200	100	150	75	100	50	200	75	300	100				
South Atlantic	163,650	1,900	97,100	1,550	31,850	900	9,250	500	8,800	475	16,150	575	13,300	600	17,750	575	18,650	625	17,750	600	30,100	800				
Delaware	4,050	375	2,250	275	800	150	100	50	250	125	650	150	300	100	150	50	750	150	400	125	700	150				
District of Columbia	17,600	575	10,650	450	1,850	225	600	150	700	150	1,250	175	600	100	5,650	350	950	175	1,250	200	4,750	300				
Florida	23,000	775	12,400	525	3,500	250	1,400	175	950	150	1,950	200	2,900	325	1,700	200	3,200	300	2,850	225	4,550	325				
Georgia	20,050	700	12,200	575	3,850	275	1,050	175	1,400	175	1,650	200	2,400	250	1,800	250	1,950	225	2,550	275	3,350	350				
Maryland	36,150	1,025	22,150	750	10,250	500	1,750	225	1,600	175	4,250	325	1,850	250	2,500	250	4,150	350	4,050	325	5,750	400				

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	Number	SE	Number	SE	Number	SE	Number	SE	Number	SE	Number	SE	Number	SE	Number	SE	Number	SE	Number	SE	Number	SE
North Carolina	26,100	800	16,350	700	6,350	425	1,650	200	1,550	175	2,200	225	2,400	250	2,250	250	2,150	225	3,050	250	4,600	300
South Carolina	7,350	475	4,450	375	1,200	200	350	125	450	125	1,050	175	800	200	650	150	1,100	200	900	150	900	175
Virginia	26,800	850	15,200	650	3,450	275	2,400	275	1,750	200	2,900	250	1,900	200	2,750	250	4,000	325	2,500	250	5,150	350
West Virginia	2,450	275	1,450	200	600	125	D	D	150	100	250	75	200	75	250	100	400	125	250	100	350	125
East South Central	30,550	1,000	17,900	675	6,450	450	1,250	175	1,450	175	3,700	325	2,750	275	2,350	200	3,700	325	4,150	325	4,800	350
Alabama	8,250	450	4,550	325	1,650	225	400	100	400	100	950	175	600	150	600	125	1,200	200	1,150	175	1,350	225
Kentucky	6,700	475	3,950	300	1,350	175	150	75	300	75	800	200	750	150	650	125	600	150	1,000	200	1,100	200
Mississippi	4,100	400	2,450	300	1,100	200	150	75	200	100	400	100	350	125	250	75	600	150	550	125	500	125
Tennessee	11,500	575	6,950	425	2,350	250	500	100	550	125	1,550	200	1,100	175	850	125	1,300	200	1,400	175	1,850	200
West South Central	68,800	1,325	37,050	1,000	11,350	550	3,300	300	3,550	300	7,500	375	6,400	425	4,900	325	12,500	750	7,550	450	11,700	500
Arkansas	4,200	350	2,750	275	1,100	175	S	S	200	75	250	100	650	150	500	125	350	100	550	150	550	125
Louisiana	6,300	400	4,050	325	1,300	175	100	50	550	150	800	175	650	125	700	150	750	175	450	100	1,050	175
Oklahoma	5,650	375	3,200	300	1,150	200	S	S	150	50	750	125	700	175	400	100	1,000	200	750	125	700	100
Texas	52,650	1,125	27,050	775	7,850	450	3,050	300	2,650	250	5,700	325	4,450	350	3,350	275	10,400	650	5,800	400	9,400	500
Mountain	58,200	1,275	33,100	950	9,150	425	2,850	275	2,600	250	8,100	450	5,950	450	4,500	375	10,200	625	5,400	350	9,550	575
Arizona	13,100	625	6,350	400	1,700	225	500	125	600	150	1,300	175	1,150	200	1,100	200	3,000	325	1,400	225	2,300	275
Colorado	19,050	650	11,450	550	2,700	225	1,100	175	750	125	3,050	225	2,350	275	1,500	225	2,750	300	1,500	175	3,350	325
Idaho	3,450	350	1,650	200	650	125	50	25	150	75	350	100	300	100	200	75	900	175	200	50	700	175
Montana	2,600	250	1,800	225	750	150	D	D	150	75	300	75	300	100	250	100	200	75	250	100	350	75
Nevada	3,200	325	1,800	250	550	125	S	S	50	50	400	100	400	125	300	75	500	150	400	100	550	125
New Mexico	8,200	425	4,500	350	950	150	550	125	400	100	1,650	200	700	175	300	75	2,000	250	650	125	1,050	200
Utah	7,850	450	4,950	325	1,650	175	550	125	450	125	950	175	650	150	750	150	800	175	950	150	1,150	150
Wyoming	800	125	600	100	200	75	D	D	D	D	100	50	100	75	100	50	S	S	50	25	100	50
Pacific	185,950	2,075	100,700	1,525	29,200	750	24,650	900	6,500	350	15,100	525	15,000	625	10,250	500	35,400	1,075	18,850	700	31,000	925
Alaska	1,450	175	900	150	350	75	D	D	D	D	250	75	S	S	150	50	150	75	200	75	200	75
California	140,650	1,850	75,450	1,400	22,250	675	18,850	800	4,800	300	11,500	450	10,750	550	7,250	425	26,650	850	14,150	625	24,400	825
Hawaii	3,100	275	1,850	225	500	125	D	D	200	75	400	75	300	75	400	125	300	125	300	75	650	125
Oregon	16,600	700	7,550	400	1,950	200	1,400	200	350	100	1,150	150	1,650	225	1,050	150	5,300	400	1,500	225	2,200	250
Washington	24,200	825	14,900	650	4,150	350	4,250	325	1,100	150	1,800	225	2,250	250	1,400	200	3,000	300	2,700	275	3,600	325
Puerto Rico	2,600	225	1,650	200	550	125	S	S	100	50	300	75	500	125	150	75	300	100	200	75	450	75
U.S. territories and other areas	3,250	350	1,500	225	500	125	100	50	200	100	250	75	100	50	350	125	400	125	450	150	900	175

D = suppressed to avoid disclosure of confidential information. S = suppressed for reliability; coefficient of variation exceeds publication standards.

S&E = science and engineering; SE = standard error.

**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. Because survey sample design does not include geography, reliability of estimates in some states may be poor due to small sample size. 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.