

TABLE 16

U.S. residing employed doctoral scientists and engineers, by employer location and broad field of doctorate: 2019

(Number and SE)

Employer location	All employed		Science																Engineering		Health	
			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	Number	SE	Number	SE		
All locations	857,200	1,975	640,300	1,900	220,700	1,100	31,100	400	36,650	450	133,750	950	115,350	825	102,700	900	176,700	1,175	40,200	475		
New England	77,100	1,375	60,300	1,250	23,450	800	2,250	225	3,150	275	12,900	525	9,200	550	9,350	450	13,400	575	3,400	275		
Connecticut	12,900	550	10,050	525	3,150	300	200	75	550	125	2,300	275	2,200	250	1,650	200	2,350	275	500	125		
Maine	2,750	300	2,500	275	750	150	50	25	100	50	500	125	550	150	550	125	150	50	100	50		
Massachusetts	52,350	1,150	40,350	1,050	17,250	725	1,850	200	2,150	250	9,050	425	4,700	400	5,400	350	9,550	500	2,450	250		
New Hampshire	3,450	325	2,750	300	1,050	225	S	S	S	S	350	100	600	150	550	100	550	125	150	50		
Rhode Island	3,400	250	2,800	225	700	125	D	D	150	75	400	100	700	150	800	150	500	150	150	50		
Vermont	2,300	250	1,900	225	600	125	D	D	100	50	300	100	450	125	400	125	350	100	50	50		
Middle Atlantic	117,450	1,875	92,750	1,725	29,200	925	4,650	325	6,600	375	18,150	700	18,400	700	15,750	600	19,150	650	5,550	400		
New Jersey	23,700	875	17,900	750	5,900	450	950	175	1,500	225	4,800	350	2,850	300	1,950	250	4,300	400	1,500	225		
New York	59,150	1,150	48,050	1,050	13,650	625	2,800	275	3,450	300	7,750	450	10,800	550	9,600	475	8,950	500	2,150	250		
Pennsylvania	34,600	975	26,750	850	9,650	500	900	150	1,700	150	5,600	325	4,750	350	4,150	325	5,900	425	1,900	225		
East North Central	100,900	1,550	75,450	1,275	25,550	675	2,700	275	4,400	300	16,300	625	13,850	600	12,600	525	20,300	800	5,150	350		
Illinois	28,900	875	21,900	775	6,350	400	850	150	1,300	175	5,400	450	4,050	325	3,900	300	5,550	425	1,500	200		
Indiana	13,450	575	10,150	450	4,050	325	550	150	750	150	1,700	225	1,450	200	1,650	250	2,500	275	800	150		
Michigan	21,450	725	14,900	575	4,950	350	600	150	750	125	2,650	250	3,400	300	2,550	275	5,650	375	900	150		
Ohio	24,950	800	18,900	650	6,400	350	500	100	1,000	175	4,700	325	3,350	275	3,000	250	4,700	425	1,350	175		
Wisconsin	12,150	575	9,650	500	3,850	325	250	100	600	125	1,850	225	1,600	175	1,500	175	1,900	225	650	125		
West North Central	48,750	1,175	38,150	1,025	15,150	650	1,000	175	2,250	250	6,350	450	7,850	525	5,550	300	7,550	475	3,100	250		
Iowa	6,850	400	5,550	400	2,250	275	250	100	450	125	900	225	950	150	700	125	1,050	175	300	125		
Kansas	5,500	350	4,250	300	1,450	200	100	75	200	75	600	125	1,050	150	850	150	900	200	400	100		
Minnesota	16,100	725	11,750	575	4,050	325	350	100	700	125	2,600	250	2,450	275	1,600	175	3,050	350	1,350	175		
Missouri	12,650	575	10,350	550	4,500	350	200	75	650	175	1,600	225	1,750	250	1,650	175	1,750	200	550	100		
Nebraska	4,500	325	3,700	300	1,650	200	D	D	150	50	350	125	1,050	200	450	125	500	125	300	100		
North Dakota	1,350	175	1,100	150	550	125	D	D	D	D	100	50	200	100	100	50	200	100	100	50		
South Dakota	1,700	225	1,500	200	650	150	D	D	100	50	150	50	400	125	200	75	100	50	100	50		
South Atlantic	163,650	1,900	126,200	1,650	43,850	850	4,800	350	6,950	425	24,300	700	20,800	725	25,550	650	28,200	775	9,250	375		
Delaware	4,050	375	2,950	325	750	150	D	D	100	50	1,400	250	450	125	300	75	900	175	250	100		
District of Columbia	17,600	575	14,700	525	3,000	300	250	100	500	125	2,100	225	1,400	150	7,450	375	2,100	225	850	150		
Florida	23,000	775	17,050	625	4,950	275	950	175	800	150	2,800	275	4,750	375	2,800	275	4,600	350	1,400	150		
Georgia	20,050	700	15,500	600	5,400	325	550	100	1,200	175	2,100	250	3,700	325	2,550	275	3,250	300	1,300	200		
Maryland	36,150	1,025	28,150	850	12,550	575	1,000	200	1,100	150	6,850	425	2,850	325	3,750	300	5,750	375	2,250	200		

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			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	Number	SE	Number	SE		
North Carolina	26,100	800	20,650	750	9,050	450	700	150	1,300	150	3,050	275	3,300	275	3,200	325	3,850	300	1,650	175		
South Carolina	7,350	475	5,550	425	1,750	225	150	50	450	125	1,150	175	1,100	200	950	150	1,450	250	350	100		
Virginia	26,800	850	19,850	700	5,500	350	1,150	200	1,350	175	4,550	325	3,050	275	4,250	325	5,900	425	1,100	175		
West Virginia	2,450	275	1,900	250	950	175	D	D	150	100	250	100	200	75	300	100	450	150	100	50		
East South Central	30,550	1,000	23,300	850	9,300	525	750	125	1,200	175	4,550	325	3,900	325	3,650	325	5,100	350	2,150	200		
Alabama	8,250	450	6,100	375	2,300	250	250	75	450	100	1,200	200	1,000	175	900	150	1,500	200	700	150		
Kentucky	6,700	475	5,400	425	2,100	275	100	50	250	75	1,050	200	1,000	175	900	175	850	200	400	100		
Mississippi	4,100	400	3,050	350	1,450	225	S	S	100	75	500	125	450	125	500	125	650	150	350	75		
Tennessee	11,500	575	8,750	475	3,450	325	350	75	400	100	1,800	225	1,450	175	1,350	175	2,050	250	700	100		
West South Central	68,800	1,325	49,000	1,175	16,550	750	1,800	200	3,300	275	10,450	425	9,650	500	7,250	400	16,550	775	3,250	250		
Arkansas	4,200	350	3,500	350	1,350	200	100	50	150	75	300	100	850	175	800	175	400	100	300	75		
Louisiana	6,300	400	5,200	375	1,750	200	150	100	450	125	950	175	900	150	1,000	175	900	175	200	75		
Oklahoma	5,650	375	4,100	325	1,750	225	50	25	200	75	600	100	900	175	600	125	1,150	225	350	100		
Texas	52,650	1,125	36,150	950	11,750	575	1,500	200	2,500	225	8,600	400	7,000	425	4,850	325	14,100	725	2,350	225		
Mountain	58,200	1,275	43,100	1,050	12,900	575	1,600	225	2,200	200	11,150	475	8,900	525	6,400	425	12,900	650	2,200	225		
Arizona	13,100	625	9,050	525	2,400	250	250	100	400	100	2,450	250	1,900	250	1,650	200	3,550	375	500	100		
Colorado	19,050	650	14,750	500	4,300	325	500	125	700	125	3,800	275	3,300	350	2,150	250	3,650	350	650	125		
Idaho	3,450	350	2,450	275	1,100	200	D	D	100	50	550	100	450	100	250	75	950	175	50	25		
Montana	2,600	250	2,300	225	1,000	150	D	D	150	75	350	100	400	125	350	100	200	75	100	50		
Nevada	3,200	325	2,400	250	800	150	100	75	50	50	500	125	600	150	350	75	650	175	150	75		
New Mexico	8,200	425	5,350	350	1,250	175	150	75	350	75	2,150	225	850	175	600	150	2,650	250	200	75		
Utah	7,850	450	6,050	400	1,800	200	450	125	450	125	1,200	200	1,200	175	950	150	1,250	200	500	125		
Wyoming	800	125	700	125	250	75	D	D	D	D	100	50	150	75	100	50	S	S	50	50		
Pacific	185,950	2,075	127,600	1,650	43,450	850	11,400	525	6,350	350	28,800	800	21,900	725	15,700	625	52,400	1,000	5,950	400		
Alaska	1,450	175	1,200	150	550	100	D	D	D	D	350	100	100	50	150	50	200	75	50	25		
California	140,650	1,850	95,250	1,500	32,900	800	8,650	475	4,850	325	21,850	675	15,700	625	11,300	500	41,300	950	4,100	350		
Hawaii	3,100	275	2,700	250	850	150	S	S	100	50	600	100	500	100	600	125	300	125	100	50		
Oregon	16,600	700	10,550	550	3,250	325	500	100	400	100	2,750	300	2,350	250	1,300	175	5,350	400	650	125		
Washington	24,200	825	17,900	650	5,950	350	2,150	200	950	175	3,250	275	3,250	350	2,400	250	5,250	400	1,100	125		
Puerto Rico	2,600	225	2,050	200	600	150	S	S	50	25	350	75	700	125	300	75	450	100	100	50		
U.S. territories and other areas	3,250	350	2,450	300	800	175	S	S	150	75	550	150	200	75	650	175	700	150	S	S		

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

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, the 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.