

TABLE 46

U.S. residing employed doctoral scientists and engineers, by employer location and broad occupation: 2023

(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 scientists		Computer and information scientists		Mathematical scientists		Physical scientists		Psychologists		Social scientists											
	Number	SE	Number	SE	Number	SE	Number	SE	Number	SE	Number	SE	Number	SE	Number	SE	Number	SE	Number	SE						
All locations	908,700	2,300	489,300	2,625	168,150	1,575	76,900	1,250	48,650	1,000	88,350	1,325	36,450	850	70,750	1,175	127,550	1,600	135,450	1,825	156,400	2,025				
New England	86,300	1,450	49,100	1,050	21,000	675	7,400	475	4,600	350	7,500	425	2,650	250	5,900	350	9,050	600	12,700	700	15,450	750				
Connecticut	14,250	675	7,550	525	2,650	275	800	200	600	150	1,500	225	750	150	1,250	200	2,250	275	2,200	300	2,250	275				
Maine	2,800	250	1,500	200	500	100	S	S	150	50	450	125	150	75	300	75	250	125	500	150	550	125				
Massachusetts	59,700	1,425	34,950	1,050	16,400	650	6,100	475	3,350	350	4,550	350	1,350	175	3,150	300	5,600	500	8,150	525	11,000	625				
New Hampshire	3,800	350	1,750	225	650	150	200	75	S	S	250	75	150	100	400	100	450	100	800	150	800	175				
Rhode Island	3,550	325	2,100	225	450	100	150	50	300	100	450	100	150	75	600	125	300	100	650	150	450	100				
Vermont	2,200	275	1,200	175	350	100	S	S	100	50	250	100	100	50	250	75	200	75	450	150	350	100				
Middle Atlantic	122,250	1,925	66,350	1,350	21,300	775	10,000	575	8,350	500	10,850	575	5,150	375	10,650	575	12,550	725	19,900	800	23,500	800				
New Jersey	23,350	850	12,650	625	4,550	400	2,100	300	1,800	275	2,500	275	550	100	1,200	225	2,600	350	3,200	325	4,900	475				
New York	61,750	1,375	33,900	975	9,600	575	5,400	375	4,350	325	5,000	375	3,000	275	6,550	425	5,250	475	10,800	550	11,800	550				
Pennsylvania	37,150	1,000	19,800	700	7,150	450	2,500	300	2,200	275	3,400	300	1,650	200	2,900	325	4,700	450	5,850	450	6,800	450				
East North Central	103,650	1,725	56,150	1,375	18,550	700	6,000	450	6,800	525	11,500	525	4,900	400	8,350	475	14,450	575	15,950	625	17,100	725				
Illinois	30,150	875	16,550	625	4,700	325	2,300	250	2,250	325	3,400	300	1,400	175	2,500	250	3,550	375	4,350	325	5,700	425				
Indiana	13,550	675	7,450	525	2,550	250	750	175	900	175	1,650	225	450	100	1,150	200	2,100	275	2,100	250	1,900	225				
Michigan	22,000	850	11,100	625	3,450	325	1,550	225	1,250	200	2,000	225	1,100	200	1,850	225	4,150	375	3,400	350	3,350	300				
Ohio	25,350	950	13,550	700	4,650	375	950	175	1,750	300	3,150	300	1,550	250	1,500	200	3,650	325	4,300	375	3,800	325				
Wisconsin	12,600	525	7,500	400	3,250	250	450	100	700	125	1,250	200	450	100	1,350	200	1,000	200	1,800	200	2,300	225				
West North Central	48,650	1,000	26,700	850	11,600	525	2,350	300	2,000	250	4,550	375	2,300	250	3,900	300	6,350	475	7,850	425	7,800	400				
Iowa	6,600	450	3,800	375	1,700	225	300	75	450	125	700	175	250	75	400	100	1,000	250	850	150	950	175				
Kansas	5,000	375	3,150	300	1,350	225	200	75	350	100	450	100	300	75	550	125	200	75	850	150	800	150				
Minnesota	16,750	600	8,700	450	3,200	300	1,200	250	550	125	1,800	250	750	150	1,200	175	2,900	325	2,650	275	2,500	225				
Missouri	12,950	650	7,100	400	3,450	300	450	100	450	100	900	150	700	175	1,150	175	1,400	225	1,900	225	2,500	275				
Nebraska	4,100	325	2,400	275	1,150	200	150	50	150	50	350	75	250	75	350	125	400	100	750	125	550	100				
North Dakota	1,450	200	800	125	350	75	D	D	D	D	200	75	S	S	100	50	150	75	400	125	S	S				
South Dakota	1,850	250	800	125	400	125	D	D	S	S	100	50	D	D	150	75	250	75	450	150	400	125				
South Atlantic	173,350	2,050	96,100	1,700	34,050	925	10,650	675	9,450	500	17,100	675	7,150	425	17,700	675	19,300	650	25,150	850	32,800	925				
Delaware	4,050	325	2,350	250	750	175	150	75	250	100	800	175	100	50	300	100	450	125	500	150	750	150				
District of Columbia	19,500	625	11,300	550	2,100	250	550	125	850	150	1,650	200	600	125	5,600	375	1,250	175	1,650	200	5,300	325				
Florida	24,200	800	11,350	575	3,900	275	1,350	225	1,050	175	1,700	225	1,700	250	1,700	175	3,250	300	5,150	450	4,400	325				
Georgia	20,500	750	11,350	525	4,100	325	1,250	225	1,350	175	1,750	250	900	150	1,950	225	2,100	300	3,450	350	3,600	325				
Maryland	39,450	1,150	23,650	800	11,150	600	2,100	275	2,100	225	4,650	350	1,100	175	2,550	275	4,250	350	5,850	400	5,750	425				
North Carolina	27,700	875	15,450	675	6,450	475	1,650	225	1,700	200	2,400	275	1,150	175	2,150	225	2,900	325	3,900	375	5,450	400				
South Carolina	7,300	450	3,950	375	1,050	175	400	150	350	100	1,100	200	450	125	550	125	1,100	175	1,250	225	1,050	175				

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			Total		Biological, agricultural, and other life scientists		Computer and information scientists		Mathematical scientists		Physical scientists		Psychologists		Social scientists											
	Number	SE	Number	SE	Number	SE	Number	SE	Number	SE	Number	SE	Number	SE	Number	SE	Number	SE	Number	SE						
Virginia	28,300	875	15,250	600	3,800	325	3,150	325	1,800	225	2,800	250	1,000	150	2,700	275	3,700	325	3,200	275	6,150	425				
West Virginia	2,350	275	1,450	250	750	150	D	D	S	S	250	75	S	S	250	75	300	100	250	75	350	100				
East South Central	29,150	825	15,500	500	5,550	350	1,150	175	1,650	200	3,500	300	1,450	200	2,200	200	4,050	350	5,300	375	4,250	350				
Alabama	8,250	450	4,000	300	1,350	175	400	100	550	125	850	175	350	100	550	100	1,450	225	1,600	225	1,150	175				
Kentucky	6,000	500	3,050	300	1,300	200	200	75	400	150	450	100	300	75	450	100	750	175	1,250	225	950	175				
Mississippi	3,150	250	1,800	175	850	125	D	D	100	50	350	75	150	75	350	100	400	100	550	125	400	75				
Tennessee	11,750	550	6,600	400	2,050	200	550	125	600	125	1,900	225	650	150	850	125	1,500	175	1,900	225	1,750	250				
West South Central	70,500	1,600	34,600	1,050	11,150	525	4,000	375	3,550	350	7,350	475	3,250	325	5,300	400	12,250	650	10,350	600	13,300	650				
Arkansas	4,400	375	2,350	300	750	125	150	50	200	100	550	175	300	100	400	100	300	100	700	125	1,100	225				
Louisiana	6,150	400	3,700	300	1,200	175	150	50	400	100	850	150	300	100	850	150	750	150	700	125	950	150				
Oklahoma	5,350	425	2,850	325	1,300	200	S	S	100	50	650	150	350	100	350	100	600	125	950	175	950	175				
Texas	54,600	1,450	25,700	875	7,900	475	3,600	325	2,850	300	5,350	400	2,300	300	3,650	350	10,600	675	8,050	525	10,250	575				
Mountain	60,950	1,225	31,300	700	9,750	475	3,650	300	2,600	225	8,400	350	2,300	225	4,550	325	10,750	575	9,250	475	9,700	500				
Arizona	13,650	625	5,950	350	1,800	275	750	125	650	125	1,300	150	450	100	1,050	175	2,800	350	2,200	250	2,650	275				
Colorado	20,100	800	10,650	475	2,900	250	1,450	225	800	150	3,250	250	700	175	1,550	175	3,150	325	3,200	300	3,150	275				
Idaho	3,400	300	1,700	175	750	150	100	50	100	50	400	100	200	75	200	50	750	175	400	100	550	125				
Montana	2,600	225	1,650	200	800	125	D	D	100	50	350	100	100	50	200	75	250	100	250	75	450	100				
Nevada	2,950	275	1,500	175	450	125	S	S	100	50	400	125	150	75	300	75	350	150	550	125	500	125				
New Mexico	8,450	450	4,200	300	1,050	175	550	125	300	100	1,750	200	200	75	400	100	2,500	275	1,000	225	750	125				
Utah	8,700	500	4,950	375	1,700	225	700	150	550	125	800	125	500	150	700	175	900	175	1,350	200	1,500	200				
Wyoming	1,100	200	600	125	250	75	D	D	D	D	150	75	D	D	150	100	D	D	350	125	150	75				
Pacific	207,350	2,025	109,850	1,625	33,850	900	31,450	900	9,300	425	16,950	650	6,900	450	11,350	525	37,950	1,025	28,300	950	31,300	950				
Alaska	1,600	200	950	150	400	125	D	D	50	50	250	75	D	D	150	75	S	S	400	100	200	75				
California	156,900	1,825	82,500	1,450	26,000	825	23,700	825	6,800	375	13,050	600	5,100	425	7,900	450	29,350	875	20,950	825	24,100	875				
Hawaii	3,200	325	1,950	250	600	125	350	175	S	S	400	100	200	100	350	100	300	125	400	75	500	175				
Oregon	16,250	700	6,850	425	2,150	250	1,300	200	450	100	1,050	150	650	125	1,200	200	4,750	400	2,350	250	2,350	275				
Washington	29,400	875	17,650	725	4,700	325	6,050	475	1,900	250	2,250	275	950	200	1,750	250	3,450	300	4,200	325	4,100	325				
Puerto Rico	2,800	250	1,500	200	600	125	50	25	100	50	350	100	250	125	150	75	300	100	550	125	400	100				
U.S. territories and other areas	3,750	400	2,150	225	750	175	150	50	250	100	250	75	100	75	650	150	500	200	250	125	800	200				

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 2023.

Source(s):

National Center for Science and Engineering Statistics, Survey of Doctorate Recipients, 2023.