

TABLE 78

Doctoral scientists and engineers, by residence location, sex, employment status, and sector of employment: 2023

(Number and SE)

Residence location	Total		Male		Female		Employment status											
							Employed, by employment sector								Unemployed ^a		Not in the labor force ^b	
	All employed		Educational institution		Business or industry		Government											
	Number	SE	Number	SE	Number	SE	Number	SE	Number	SE	Number	SE	Number	SE	Number	SE	Number	SE
Worldwide	1,222,400	950	771,300	875	451,100	525	1,055,000	1,900	459,600	2,775	500,300	2,825	95,100	1,650	13,750	625	153,650	1,525
U.S. residing population	1,058,950	1,925	654,750	1,675	404,200	1,200	908,700	2,300	368,100	2,450	462,250	2,800	78,350	1,450	11,250	550	139,050	1,400
New England	94,200	1,500	57,650	1,150	36,550	900	83,600	1,450	30,200	725	50,200	1,150	3,150	300	1,100	200	9,550	450
Middle Atlantic	140,350	1,950	86,100	1,725	54,250	1,100	122,750	1,800	54,350	1,225	63,550	1,425	4,850	425	1,050	175	16,550	700
East North Central	126,050	1,800	78,600	1,425	47,450	975	107,350	1,725	53,550	1,175	48,250	1,225	5,550	425	1,350	200	17,350	650
West North Central	59,700	1,250	37,200	1,025	22,500	700	50,250	1,050	26,250	800	21,100	700	2,900	250	750	200	8,700	550
South Atlantic	203,200	2,325	120,650	1,825	82,600	1,250	173,650	2,175	67,000	1,275	72,200	1,450	34,450	975	1,750	225	27,800	725
East South Central	35,500	1,000	21,600	775	13,900	525	30,350	875	17,350	625	10,000	550	3,000	300	400	125	4,750	400
West South Central	84,550	1,750	53,400	1,525	31,150	800	73,100	1,550	34,000	850	34,400	1,200	4,700	375	750	150	10,650	575
Mountain	76,600	1,400	48,700	1,175	27,900	800	63,000	1,250	26,000	750	30,850	950	6,150	375	900	150	12,700	550
Pacific and U.S. territories	238,850	2,275	150,950	1,975	87,900	1,150	204,600	2,025	59,400	1,125	131,650	1,775	13,550	625	3,250	325	31,000	1,025
Non-U.S. residing population	163,450	1,875	116,550	1,700	46,900	1,125	146,300	1,825	91,500	1,500	38,100	1,275	16,750	875	2,550	300	14,600	800
Europe	40,250	1,100	25,850	900	14,400	675	36,350	1,075	20,500	775	11,350	650	4,450	400	600	150	3,300	350
Asia	81,300	1,525	61,400	1,300	19,900	875	73,100	1,525	48,950	1,300	16,950	975	7,200	550	1,000	225	7,150	600
North America ^c	19,450	700	12,950	550	6,450	450	17,200	625	10,550	600	4,600	350	2,000	275	450	175	1,750	250
Central America	1,250	150	950	150	300	75	1,050	150	450	100	400	100	150	75	D	D	200	75
Caribbean	800	125	450	100	350	75	700	125	350	75	200	100	150	50	D	D	S	S
South America	8,000	425	5,950	400	2,050	175	7,350	425	4,700	350	1,600	225	1,050	150	100	25	600	125
Africa	5,650	400	4,500	350	1,150	150	4,750	375	2,500	250	1,450	200	750	175	200	75	700	125
Oceania	6,250	475	4,150	450	2,050	225	5,300	450	3,050	325	1,350	200	950	200	150	50	800	150

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

SE = standard error.

^a 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.^b Not in the labor force includes individuals who were not working during the survey reference week and had not been seeking work in the prior 4 weeks because of retirement, family responsibilities, chronic illness, or other reasons.^c North America excludes United States.**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. Residence location is based on reported living location on 1 February 2023. The worldwide and non-U.S. residing population totals include an estimated 550 individuals who were living abroad, but in an unspecified location. 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. Business or industry includes private for-profit, private nonprofit, self-employed or business owners in incorporated or nonincorporated business, and employers not broken out separately. Government includes U.S. federal, state, and local government and non-U.S. government at any level.

Source(s):

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