

TABLE 26-2

U.S. residing employed doctoral scientists and engineers, by selected demographic and employment-related characteristics, primary work activity, and sector of employment: 2019

(Number and SE)

Primary work activity	All employed		4-year educational institution ^a		Other educational institution ^b		Private, for profit ^c		Private, nonprofit		Federal government		State or local government		Self-employed ^d		Other ^e	
	Number	SE	Number	SE	Number	SE	Number	SE	Number	SE	Number	SE	Number	SE	Number	SE	Number	SE
Doctorate recipients	857,200	1,975	344,350	2,325	30,900	900	306,300	2,500	55,900	1,125	50,150	1,025	18,850	750	40,750	1,100	10,050	550
Any R&D	351,000	1,975	140,200	1,550	1,750	225	139,500	1,625	25,300	700	24,300	750	6,650	400	8,750	500	4,500	325
Applied research	168,650	1,775	61,700	1,250	950	175	63,450	1,200	15,150	575	16,600	600	4,350	325	4,200	300	2,200	225
Basic research	92,700	1,700	74,100	1,475	400	125	4,650	425	6,350	350	4,750	325	1,100	200	800	150	600	150
Design	24,050	975	1,400	200	100	50	18,050	875	1,300	200	850	150	700	175	1,150	200	500	125
Development	65,600	1,400	3,050	275	250	75	53,350	1,225	2,500	250	2,100	225	550	125	2,600	275	1,200	200
Computer applications	44,450	950	3,450	275	200	50	34,250	925	2,050	300	1,700	225	1,100	200	1,000	150	650	150
Management, sales, or administration ^f	165,400	2,025	45,900	850	3,450	300	76,300	1,475	13,200	600	13,250	475	5,600	375	5,400	400	2,300	250
Professional services	97,050	1,625	12,600	650	2,700	250	38,150	1,125	11,200	600	6,150	425	3,600	325	21,250	750	1,450	250
Teaching	161,000	1,700	132,800	1,575	21,550	775	2,750	250	1,350	200	350	75	350	125	1,750	250	150	75
Other work activities ^g	38,300	975	9,350	500	1,300	175	15,350	525	2,850	250	4,350	325	1,600	200	2,600	275	1,000	225

SE = standard error.

^a Includes 4-year colleges or universities, medical schools (including university-affiliated hospitals or medical centers), and university-affiliated research institutes.^b Includes 2-year colleges, community colleges, or technical institutes, and other precollege institutions.^c Includes those self-employed in an incorporated business.^d Self-employed or business owner in a nonincorporated business.^e Includes employers not broken out separately.^f Administration includes accounting, finance, contracts, and human resources.^g Includes production, operations, maintenance, and other activities not broken out separately.**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 2019.

Source(s):

National Center for Science and Engineering Statistics, Survey of Doctorate Recipients: 2019.