TABLE 27-2

U.S. residing employed doctoral scientists and engineers, by primary work activity, ethnicity, race, and sex: 2021

(Number and SE)

Primary work activity	All employed						Hispanic or Latino[a]						Not Hispanic or Latino[b]																							
													American Indian or Alaska Native						Asian						Black or African American						White					
	Total		Male		Female		Total		Male		Female		Total		Male		Female		Total		Male		Female		Total		Male		Female		Total		Male		Female	
	Number	SE	Number	SE	Number	SE	Number	SE	Number	SE	Number	SE	Number	SE	Number	SE	Number	SE	Number	SE	Number	SE	Number	SE	Number	SE	Number	SE	Number	SE	Number	SE	Number	SE	Number	SE
Doctorate recipients	872,100	2,425	543,550	2,350	328,500	1,250	40,100	475	22,600	425	17,500	325	1,400	125	650	100	700	100	219,800	1,600	148,600	1,550	71,200	1,125	31,800	475	15,700	375	16,100	400	562,950	2,075	347,250	1,925	215,700	1,325
Any R&D	333,250	2,225	224,950	1,925	108,300	1,475	15,450	500	9,400	375	6,050	300	500	100	350	75	150	50	107,350	1,450	74,550	1,400	32,800	925	9,100	325	5,150	275	3,950	200	194,600	1,825	131,650	1,575	63,000	1,075
Basic research	92,050	1,500	63,700	1,400	28,350	750	4,350	225	3,000	225	1,350	150	200	75	150	75	50	50	30,100	925	20,350	850	9,750	525	2,150	200	1,400	175	700	100	53,600	1,175	37,750	1,050	15,850	625
Applied research	174,150	2,025	111,450	1,625	62,650	1,200	8,650	375	5,000	275	3,650	250	250	50	150	50	100	50	47,800	1,300	31,600	1,100	16,200	725	5,350	250	2,800	200	2,600	175	108,500	1,450	69,800	1,200	38,700	875
Experimental development	67,050	1,250	49,800	1,150	17,250	600	2,450	225	1,400	150	1,050	150	50	25	S	S	D	D	29,450	875	22,600	825	6,850	450	1,600	150	950	125	700	100	32,500	925	24,100	825	8,400	450
Computer applications	44,800	1,150	37,200	1,075	7,600	475	1,200	125	1,000	125	150	50	D	D	D	D	D	D	20,550	850	16,050	750	4,500	400	550	75	350	75	150	50	21,950	775	19,300	775	2,600	225
Design	24,850	900	19,650	825	5,150	375	1,000	125	650	100	300	75	D	D	D	D	D	D	10,350	650	8,500	625	1,850	250	600	100	400	75	200	75	12,550	625	9,800	575	2,750	275
Management, sales, or administration[d]	171,700	2,175	105,100	1,725	66,600	1,150	7,600	250	4,150	250	3,450	200	300	50	150	50	150	50	36,400	1,025	23,300	875	13,100	575	7,300	325	3,400	225	3,900	225	116,700	1,725	72,350	1,375	44,350	975
Professional services	98,900	1,575	44,800	1,200	54,050	1,200	4,550	250	1,700	150	2,850	200	200	75	50	25	150	75	14,100	700	7,750	575	6,350	475	4,500	325	1,400	175	3,050	300	73,400	1,400	33,050	975	40,350	1,075
Teaching	159,750	1,825	90,350	1,425	69,400	1,125	8,300	325	4,500	250	3,850	225	300	75	100	50	200	75	23,000	700	13,750	600	9,250	500	8,150	325	4,150	275	4,000	250	117,650	1,625	66,650	1,275	51,000	1,025
Other work activities[e]	38,850	1,150	21,500	850	17,350	725	2,000	200	1,150	200	850	100	50	25	S	S	*	*	8,100	575	4,700	475	3,350	325	1,650	175	800	125	850	150	26,100	925	14,400	725	11,700	550

Primary work activity	Other race[c]					
	Total		Male		Female	
	Number	SE	Number	SE	Number	SE
Doctorate recipients	16,000	575	8,750	500	7,250	375
Any R&D	6,250	425	3,850	375	2,400	225
Basic research	1,700	225	1,100	200	600	100
Applied research	3,600	350	2,100	300	1,500	175
Experimental development	1,000	150	700	150	300	75
Computer applications	600	125	450	125	150	75
Design	350	100	250	75	100	50
Management, sales, or administration[d]	3,350	275	1,750	225	1,650	200
Professional services	2,100	200	850	150	1,300	150
Teaching	2,400	200	1,200	150	1,150	125
Other work activities[e]	950	175	400	125	550	150

* = suppressed when population estimate < 25. D = suppressed to avoid disclosure of confidential information. S = suppressed for reliability; coefficient of variation exceeds publication standards.

SE = standard error.

[a] Hispanic or Latino may be of any race.
[b] American Indian or Alaska Native, Asian, Black or African American, and White are single race.
[c] Other race includes Native Hawaiian or Other Pacific Islander and persons reporting more than one race who are not of Hispanic or Latino ethnicity.
[d] Administration includes accounting, finance, contracts, and human resources.
[e] 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. Primary and secondary work activities were self-defined by respondent in response to the question: "On which two activities...did you work the most hours during a typical week on this job?" Residence location is based on reported living location on 1 February 2021.

Source(s):
National Center for Science and Engineering Statistics, Survey of Doctorate Recipients, 2021.