

Table 9-41

**Scientists and engineers employed in business or industry, by primary or secondary work activity, sex, ethnicity, race, disability status, and age: 2019**

(Number)

Sex, ethnicity, race, disability status, and primary or secondary work activity	Age (years)				
	75 and younger	Younger than 35	35–44	45–54	55–75
Total	15,580,000	4,872,000	3,804,000	3,497,000	3,407,000
Computer applications	2,617,000	944,000	721,000	543,000	408,000
Management or administration <sup>a</sup>	9,584,000	2,692,000	2,430,000	2,348,000	2,114,000
Research and development	4,897,000	1,738,000	1,256,000	976,000	928,000
Teaching	921,000	251,000	211,000	220,000	239,000
Other	5,969,000	1,896,000	1,397,000	1,251,000	1,426,000
Female	5,972,000	2,144,000	1,446,000	1,315,000	1,067,000
Computer applications	506,000	182,000	130,000	115,000	79,000
Management or administration <sup>a</sup>	3,674,000	1,208,000	947,000	862,000	657,000
Research and development	1,436,000	588,000	385,000	275,000	188,000
Teaching	547,000	176,000	128,000	140,000	102,000
Other	2,845,000	1,065,000	663,000	601,000	515,000
Male	9,608,000	2,729,000	2,358,000	2,182,000	2,339,000
Computer applications	2,111,000	762,000	591,000	428,000	329,000
Management or administration <sup>a</sup>	5,909,000	1,483,000	1,483,000	1,486,000	1,457,000
Research and development	3,461,000	1,150,000	871,000	701,000	740,000
Teaching	374,000	75,000	83,000	80,000	137,000
Other	3,125,000	831,000	734,000	649,000	910,000
Hispanic or Latino	1,380,000	513,000	349,000	288,000	230,000
Computer applications	180,000	82,000	42,000	30,000	26,000
Management or administration <sup>a</sup>	864,000	310,000	228,000	178,000	148,000
Research and development	383,000	165,000	112,000	55,000	52,000
Teaching	111,000	30,000	17,000	48,000	16,000
Other	556,000	191,000	141,000	121,000	102,000
Not Hispanic or Latino					
American Indian or Alaska Native	41,000	S	13,000	6,000	7,000
Computer applications	S	*	D	D	D
Management or administration <sup>a</sup>	17,000	3,000	S	3,000	4,000
Research and development	9,000	1,000	5,000	S	S
Teaching	S	D	D	D	D
Other	25,000	S	4,000	4,000	S
Asian	2,461,000	825,000	738,000	600,000	298,000
Computer applications	802,000	299,000	296,000	149,000	57,000
Management or administration <sup>a</sup>	1,348,000	398,000	414,000	377,000	159,000
Research and development	937,000	366,000	272,000	199,000	100,000
Teaching	72,000	19,000	14,000	22,000	S
Other	689,000	220,000	177,000	177,000	114,000
Black or African American	933,000	278,000	260,000	222,000	173,000
Computer applications	125,000	47,000	40,000	21,000	17,000
Management or administration <sup>a</sup>	559,000	150,000	150,000	141,000	118,000
Research and development	259,000	88,000	93,000	49,000	29,000
Teaching	59,000	21,000	14,000	5,000	18,000
Other	425,000	116,000	113,000	118,000	78,000
Native Hawaiian or Other Pacific Islander	35,000	6,000	6,000	9,000	13,000
Computer applications	3,000	S	D	D	D
Management or administration <sup>a</sup>	28,000	2,000	6,000	8,000	12,000

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(Number)

Sex, ethnicity, race, disability status, and primary or secondary work activity	Age (years)				
	75 and younger	Younger than 35	35–44	45–54	55–75
Research and development	15,000	2,000	*	S	9,000
Teaching	D	D	D	D	D
Other	11,000	2,000	S	S	S
White	10,399,000	3,086,000	2,345,000	2,325,000	2,644,000
Computer applications	1,457,000	481,000	335,000	338,000	303,000
Management or administration <sup>a</sup>	6,571,000	1,750,000	1,565,000	1,608,000	1,648,000
Research and development	3,182,000	1,057,000	748,000	657,000	721,000
Teaching	646,000	160,000	162,000	139,000	185,000
Other	4,139,000	1,306,000	914,000	808,000	1,111,000
More than one race	333,000	150,000	93,000	46,000	42,000
Computer applications	49,000	32,000	8,000	S	5,000
Management or administration <sup>a</sup>	196,000	79,000	61,000	33,000	24,000
Research and development	112,000	59,000	26,000	12,000	15,000
Teaching	29,000	21,000	S	S	S
Other	126,000	49,000	44,000	20,000	13,000
Without disability	14,014,000	4,531,000	3,570,000	3,063,000	2,850,000
Computer applications	2,383,000	863,000	686,000	483,000	351,000
Management or administration <sup>a</sup>	8,603,000	2,500,000	2,292,000	2,047,000	1,763,000
Research and development	4,413,000	1,613,000	1,176,000	876,000	749,000
Teaching	824,000	231,000	182,000	206,000	206,000
Other	5,379,000	1,780,000	1,308,000	1,088,000	1,203,000
With disability	1,565,000	341,000	234,000	434,000	556,000
Computer applications	234,000	82,000	35,000	60,000	57,000
Management or administration <sup>a</sup>	981,000	191,000	138,000	301,000	351,000
Research and development	484,000	125,000	80,000	100,000	179,000
Teaching	96,000	20,000	S	14,000	33,000
Other	590,000	117,000	89,000	162,000	223,000

\* = estimate < 500. D = suppressed for data confidentiality reasons. S = suppressed for reliability; coefficient of variation exceeds publication standards.

S&E = science and engineering.

<sup>a</sup> Includes respondents who reported the following work activities: accounting, finance or contracts, human resources, quality or productivity management, sales and marketing, or managing and supervising.

<sup>b</sup> Hispanic or Latino may be any race; race categories exclude Hispanic origin.

**Note(s):**

Numbers are rounded to nearest 1,000. Detail may not add to total because of rounding and suppression. Sum of primary or secondary work activity categories exceeds total because of multiple response. The National Survey of College Graduates asks the degree of difficulty—none, slight, moderate, severe, or unable to do—an individual has in seeing (with glasses), hearing (with hearing aid), walking without assistance, lifting 10 pounds, or concentrating, remembering, or making decisions. Respondents who answered "moderate," "severe," or "unable to do" for any activity were classified as having a disability. Scientists and engineers are individuals under the age of 76 who have a bachelor's or higher degree, are living in the United States, and have an S&E or S&E-related degree or occupation.

This table does not include scientists and engineers who are self-employed in a non-incorporated business, are employed in an educational institution, or are employed in the nonprofit business sector.

**Source(s):**

National Center for Science and Engineering Statistics, National Survey of College Graduates, 2019.