

TABLE 9-36

Scientists and engineers employed in business or industry, by primary or secondary work activity, sex, ethnicity, race, disability status, and age: 2017

(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	14,541,000	4,211,000	3,685,000	3,311,000	3,333,000
Computer applications	2,459,000	812,000	719,000	541,000	387,000
Management or administration ^a	9,248,000	2,408,000	2,350,000	2,324,000	2,165,000
Research and development	4,398,000	1,490,000	1,164,000	911,000	833,000
Teaching	854,000	224,000	212,000	179,000	239,000
Other	5,508,000	1,655,000	1,331,000	1,145,000	1,377,000
Female	5,611,000	1,890,000	1,457,000	1,167,000	1,097,000
Computer applications	505,000	155,000	142,000	112,000	97,000
Management or administration ^a	3,547,000	1,133,000	938,000	775,000	700,000
Research and development	1,327,000	533,000	364,000	254,000	176,000
Teaching	566,000	172,000	141,000	109,000	144,000
Other	2,552,000	902,000	631,000	498,000	521,000
Male	8,930,000	2,321,000	2,229,000	2,144,000	2,236,000
Computer applications	1,954,000	657,000	577,000	429,000	291,000
Management or administration ^a	5,702,000	1,275,000	1,412,000	1,549,000	1,465,000
Research and development	3,071,000	957,000	799,000	658,000	657,000
Teaching	287,000	51,000	72,000	69,000	95,000
Other	2,957,000	754,000	700,000	647,000	856,000
Hispanic or Latino ^b	1,189,000	436,000	335,000	239,000	179,000
Computer applications	169,000	87,000	47,000	21,000	14,000
Management or administration ^a	779,000	282,000	221,000	155,000	121,000
Research and development	372,000	138,000	114,000	78,000	41,000
Teaching	88,000	35,000	14,000	26,000	14,000
Other	435,000	146,000	132,000	78,000	79,000
Not Hispanic or Latino					
American Indian or Alaska Native	33,000	S	9,000	8,000	7,000
Computer applications	S	*	D	D	D
Management or administration ^a	23,000	S	5,000	7,000	6,000
Research and development	12,000	S	4,000	S	S
Teaching	*	D	D	D	D
Other	16,000	3,000	4,000	D	5,000
Asian	2,270,000	697,000	781,000	505,000	287,000
Computer applications	764,000	282,000	293,000	138,000	51,000
Management or administration ^a	1,255,000	341,000	442,000	308,000	165,000
Research and development	787,000	274,000	269,000	163,000	81,000
Teaching	84,000	21,000	28,000	19,000	16,000
Other	664,000	205,000	208,000	149,000	102,000
Black or African American	873,000	254,000	257,000	177,000	184,000
Computer applications	123,000	24,000	24,000	37,000	38,000
Management or administration ^a	552,000	160,000	171,000	119,000	102,000
Research and development	240,000	82,000	77,000	43,000	38,000
Teaching	89,000	19,000	22,000	10,000	38,000
Other	337,000	91,000	91,000	76,000	79,000
Native Hawaiian or Other Pacific Islander	33,000	5,000	12,000	13,000	4,000
Computer applications	3,000	S	S	D	D
Management or administration ^a	20,000	2,000	6,000	9,000	S
Research and development	9,000	S	5,000	S	*
Teaching	5,000	D	D	S	D

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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
Other	12,000	1,000	6,000	4,000	D
White	9,903,000	2,690,000	2,236,000	2,332,000	2,644,000
Computer applications	1,371,000	399,000	349,000	340,000	282,000
Management or administration ^a	6,463,000	1,527,000	1,478,000	1,702,000	1,756,000
Research and development	2,906,000	957,000	675,000	610,000	665,000
Teaching	570,000	146,000	142,000	116,000	166,000
Other	3,955,000	1,174,000	858,000	826,000	1,097,000
More than one race	241,000	120,000	55,000	36,000	29,000
Computer applications	28,000	18,000	5,000	3,000	2,000
Management or administration ^a	155,000	91,000	28,000	24,000	13,000
Research and development	73,000	32,000	20,000	13,000	7,000
Teaching	16,000	S	S	D	D
Other	90,000	35,000	31,000	8,000	15,000
Without disability	13,065,000	3,940,000	3,458,000	2,898,000	2,769,000
Computer applications	2,241,000	742,000	691,000	484,000	324,000
Management or administration ^a	8,275,000	2,244,000	2,207,000	2,022,000	1,803,000
Research and development	4,002,000	1,417,000	1,087,000	805,000	693,000
Teaching	753,000	214,000	203,000	147,000	189,000
Other	4,991,000	1,569,000	1,254,000	1,017,000	1,151,000
With disability	1,475,000	270,000	227,000	413,000	564,000
Computer applications	218,000	70,000	28,000	57,000	63,000
Management or administration ^a	973,000	165,000	143,000	302,000	363,000
Research and development	395,000	73,000	76,000	106,000	140,000
Teaching	100,000	9,000	S	32,000	50,000
Other	517,000	86,000	76,000	129,000	226,000

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

S&E = science and engineering.

^a 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.

^b Hispanic or Latino may be any race.

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 Science Foundation, National Center for Science and Engineering Statistics, National Survey of College Graduates, 2017.