

Table D-9. U.S. scientists and engineers, by highest degree attained, broad occupation, sex, and age: 1993

Highest degree, occupation, and sex	S&Es, total	Age range				
		<30	30-39	40-49	50-59	60+
All degree levels¹						
All occupations, total²	11,578,200	1,509,800	3,411,700	3,435,200	1,697,100	1,524,400
Male	7,734,000	855,900	2,097,700	2,336,300	1,268,800	1,175,200
Female	3,844,200	653,900	1,314,000	1,098,900	428,300	349,200
S&E occupations, total	3,786,100	540,100	1,289,200	973,900	508,900	474,000
Male	2,910,500	372,000	931,800	748,600	429,400	428,700
Female	875,600	168,100	357,400	225,300	79,500	45,300
Scientists, total	2,140,900	317,700	746,300	606,200	279,500	191,300
Male	1,405,500	187,800	460,800	401,800	204,400	150,700
Female	735,400	129,800	285,500	204,400	75,100	40,600
Computer/math scientists, total	1,065,900	153,600	429,600	312,100	123,700	47,000
Male	724,400	100,000	280,300	212,400	94,500	37,200
Female	341,500	53,500	149,300	99,700	29,200	9,700
Life/related scientists, total	379,000	61,200	123,500	101,500	50,800	41,900
Male	244,600	34,200	65,700	72,100	37,800	34,800
Female	134,400	27,000	57,800	29,400	13,000	7,200
Physical/related scientists, total ...	339,500	51,800	106,500	76,000	47,600	57,600
Male	261,600	34,100	76,300	60,600	40,700	49,800
Female	77,900	17,600	30,200	15,300	7,000	7,800
Social/related scientists, total	356,600	51,100	86,800	116,600	57,400	44,800
Male	174,900	19,500	38,600	56,600	31,400	28,900
Female	181,600	31,600	48,200	60,000	25,900	15,900
Engineers, total	1,645,100	222,500	542,900	367,700	229,400	282,700
Male	1,505,000	184,200	471,000	346,800	225,000	278,000
Female	140,200	38,300	71,900	20,800	4,400	4,700
Non-S&E occupations, total	7,792,100	969,700	2,122,500	2,461,400	1,188,100	1,050,400
Male	4,823,500	483,900	1,165,900	1,587,700	839,400	746,500
Female	2,968,600	485,800	956,600	873,700	348,700	303,900
Managers/administrators	2,296,500	165,700	556,600	802,500	441,000	330,800
Male	1,716,300	98,000	358,600	598,900	370,400	290,300
Female	580,200	67,700	198,000	203,500	70,600	40,400
Other non-S&E occupations	5,495,600	804,100	1,565,900	1,658,900	747,200	719,600
Male	3,107,200	385,900	807,300	988,800	469,000	456,200
Female	2,388,400	418,100	758,500	670,100	278,100	263,500

See explanatory information, if any, and SOURCE at end of table.

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Highest degree, occupation, and sex	S&Es, total	Age range				
		<30	30-39	40-49	50-59	60+
Bachelor's						
All occupations, total²	6,948,800	1,286,000	2,125,800	1,815,400	818,800	902,900
Male	4,546,200	722,900	1,296,100	1,223,900	608,200	695,000
Female	2,402,600	563,100	829,700	591,400	210,600	207,900
S&E occupations, total	2,293,600	441,300	816,500	505,400	245,600	284,800
Male	1,794,800	304,800	601,200	408,000	216,100	264,700
Female	498,800	136,500	215,300	97,400	29,500	20,200
Scientists, total	1,122,700	257,200	431,000	267,800	98,800	67,900
Male	724,900	152,900	265,000	183,700	71,800	51,500
Female	397,800	104,300	166,000	84,100	27,000	16,400
Computer/math scientists, total	720,300	129,900	311,400	192,000	65,900	21,100
Male	477,600	84,200	198,500	130,900	48,200	15,900
Female	242,700	45,700	112,900	61,200	17,700	5,300
Life/related scientists, total	159,900	50,600	50,800	32,000	13,600	12,900
Male	97,400	28,600	24,300	24,400	10,000	10,100
Female	62,400	22,000	26,500	7,600	3,500	2,800
Physical/related scientists, total ...	163,200	41,000	50,500	28,200	15,300	28,200
Male	118,000	26,400	35,100	21,100	12,400	22,900
Female	45,200	14,600	15,400	7,100	2,900	5,300
Social/related scientists, total	79,300	35,700	18,300	15,600	4,000	5,700
Male	31,900	13,700	7,100	7,400	1,100	2,600
Female	47,400	22,000	11,200	8,200	2,900	3,100
Engineers, total	1,170,900	184,100	385,500	237,500	146,900	216,900
Male	1,069,900	151,800	336,200	224,300	144,400	213,200
Female	101,000	32,300	49,300	13,200	2,500	3,700
Non-S&E occupations, total	4,655,200	844,700	1,309,300	1,310,000	573,200	618,000
Male	2,751,400	418,100	694,900	816,000	392,100	430,300
Female	1,903,800	426,500	614,400	494,000	181,100	187,700
Managers/administrators	1,340,300	144,600	352,000	423,200	206,700	213,800
Male	991,300	86,400	231,900	312,800	172,100	188,100
Female	349,000	58,200	120,100	110,400	34,600	25,700
Other non-S&E occupations	3,314,800	700,000	957,400	886,800	366,400	404,200
Male	1,760,100	331,700	463,000	503,200	220,000	242,200
Female	1,554,800	368,300	494,400	383,600	146,400	162,000

See explanatory information, if any, and SOURCE at end of table.

Table D-9. U.S. scientists and engineers, by highest degree attained, broad occupation, sex, and age: 1993

Highest degree, occupation, and sex	S&Es, total	Age range				
		<30	30-39	40-49	50-59	60+
Master's						
All occupations, total²	3,002,400	169,800	817,000	1,055,700	569,100	390,800
Male	1,927,400	97,900	479,000	675,000	400,300	275,100
Female	1,075,000	71,900	337,900	380,700	168,900	115,700
S&E occupations, total	1,013,600	91,000	345,300	314,700	154,600	107,900
Male	741,300	61,900	238,400	227,000	122,300	91,800
Female	272,300	29,200	106,900	87,700	32,400	16,200
Scientists, total	615,600	54,600	209,500	205,400	89,700	56,500
Male	378,200	31,200	123,000	123,900	58,900	41,200
Female	237,400	23,400	86,400	81,500	30,800	15,300
Computer/math scientists, total	290,100	22,500	104,100	101,400	43,200	18,800
Male	201,200	15,000	69,900	67,200	33,500	15,500
Female	88,900	7,400	34,200	34,200	9,700	3,300
Life/related scientists, total	85,100	8,400	31,600	26,400	11,200	7,500
Male	47,000	4,200	14,900	16,300	6,200	5,400
Female	38,100	4,200	16,700	10,100	5,000	2,100
Physical/related scientists, total ...	87,400	9,400	30,700	24,500	11,000	11,900
Male	65,700	6,700	20,300	18,900	9,100	10,800
Female	21,600	2,700	10,400	5,600	1,900	1,000
Social/related scientists, total	153,100	14,400	43,100	53,000	24,300	18,200
Male	64,300	5,300	17,900	21,500	10,200	9,400
Female	88,800	9,000	25,200	31,600	14,100	8,900
Engineers, total	398,000	36,500	135,900	109,300	64,900	51,400
Male	363,100	30,700	115,400	103,100	63,300	50,600
Female	34,900	5,800	20,500	6,200	1,600	800
Non-S&E occupations, total	1,988,800	78,700	471,600	741,100	414,500	282,800
Male	1,186,100	36,100	240,600	448,000	278,000	183,300
Female	802,700	42,700	231,000	293,000	136,500	99,500
Managers/administrators	775,900	20,500	182,400	308,100	176,200	88,700
Male	576,800	11,000	110,900	230,700	147,600	76,600
Female	199,100	9,400	71,400	77,500	28,600	12,100
Other non-S&E occupations	1,212,900	58,300	289,300	432,900	238,200	194,200
Male	609,300	25,000	129,700	217,400	130,400	106,800
Female	603,600	33,300	159,600	215,600	107,800	87,400

See explanatory information, if any, and SOURCE at end of table.

Table D-9. U.S. scientists and engineers, by highest degree attained, broad occupation, sex, and age: 1993

Highest degree, occupation, and sex	S&Es, total	Age range				
		<30	30-39	40-49	50-59	60+
Doctorate						
All occupations, total²	706,100	8,600	151,900	234,600	186,700	124,400
Male	554,300	5,900	107,000	176,600	156,500	108,300
Female	151,800	2,700	44,800	58,100	30,200	16,000
S&E occupations, total	439,400	7,000	117,800	139,900	101,500	73,300
Male	346,500	4,900	85,200	105,400	85,700	65,200
Female	92,900	2,100	32,600	34,500	15,800	8,000
Scientists, total	367,100	5,200	97,100	119,900	84,400	60,600
Male	278,100	3,200	66,500	86,600	69,000	52,700
Female	89,000	1,900	30,500	33,200	15,400	7,900
Computer/math scientists, total	52,400	1,200	12,700	17,900	14,200	6,400
Male	42,800	700	10,600	13,800	12,400	5,400
Female	9,500	400	2,100	4,100	1,800	1,100
Life/related scientists, total	111,400	1,500	35,300	35,100	22,100	17,400
Male	83,500	1,000	22,700	25,900	18,300	15,600
Female	27,900	600	12,600	9,100	3,700	1,800
Physical/related scientists, total ...	87,800	1,400	25,100	23,300	20,800	17,100
Male	77,500	1,000	20,700	20,700	19,000	16,100
Female	10,200	300	4,400	2,600	1,800	1,100
Social/related scientists, total	115,600	1,000	24,000	43,600	27,300	19,700
Male	74,200	500	12,600	26,200	19,200	15,700
Female	41,400	600	11,400	17,300	8,100	4,000
Engineers, total	72,300	1,800	20,700	20,000	17,100	12,600
Male	68,400	1,700	18,600	18,800	16,800	12,500
Female	3,900	100	2,100	1,200	300	100
Non-S&E occupations, total	266,700	1,600	34,100	94,700	85,200	51,100
Male	207,900	1,000	21,900	71,100	70,700	43,100
Female	58,900	600	12,300	23,600	14,500	8,000
Managers/administrators	128,500	100	12,100	48,600	46,800	20,900
Male	107,900	100	8,800	39,100	41,000	18,900
Female	20,700	S	3,300	9,500	5,800	2,000
Other non-S&E occupations	138,200	1,500	22,000	46,100	38,400	30,200
Male	100,000	1,000	13,100	32,000	29,800	24,200
Female	38,200	500	9,000	14,100	8,600	6,000

¹ Includes professional degrees

² Total excludes 37,000 individuals who reported never having worked. For unemployed individuals, occupation is for their previous reported job.

NOTES: The term "Scientists and Engineers" (S&Es) includes all persons who have ever received a bachelor's degree or higher in a science or engineering (S&E) field, plus persons holding a non-S&E bachelor's or higher degree who are employed in an S&E occupation.
 Figures are rounded to nearest hundred. Details may not add to total because of rounding.

KEY: S = Suppressed for reasons of confidentiality and/or data reliability

SOURCE: National Science Foundation/Science Resources Studies Division, 1993 SESTAT (Scientists and Engineers Statistical Data System)