

Table D-10. U.S. scientists and engineers, by highest degree attained, occupation, race/ethnicity, and age: 1995

Highest degree, occupation, and race/ethnicity	S&Es, total	Age range				
		<30	30-39	40-49	50-59	60+
All degree levels¹						
All occupations, total²	11,987,100	1,531,600	3,231,500	3,674,100	1,933,600	1,616,400
White	10,187,500	1,242,300	2,659,000	3,147,400	1,665,900	1,473,000
Black	600,800	88,500	171,800	187,300	92,400	60,800
Hispanic	377,800	68,000	132,800	103,000	46,200	27,800
Asian	783,300	128,100	257,300	224,700	122,500	50,700
Other	37,700	4,700	10,600	11,700	6,600	4,100
S&E occupations, total	3,708,400	472,200	1,191,700	1,003,900	531,100	509,400
White	3,138,900	373,900	975,100	859,600	458,600	471,700
Black	119,100	23,200	40,600	33,100	12,700	9,500
Hispanic	102,000	17,700	44,700	21,300	10,900	7,300
Asian	338,100	56,200	127,500	87,300	47,700	19,400
Other	10,400	1,200	3,800	2,700	1,200	1,400
Scientists, total	2,096,500	280,400	677,200	635,600	300,100	203,200
White	1,767,400	221,000	548,500	549,200	264,300	184,500
Black	81,600	15,200	26,400	24,300	8,900	6,900
Hispanic	55,700	9,700	24,200	13,000	5,600	3,100
Asian	185,700	33,700	76,000	47,200	20,500	8,300
Other	6,100	800	2,200	1,900	800	500
Computer/math scientists, total	1,037,000	124,800	393,700	330,600	131,500	56,400
White	860,400	94,800	317,200	282,500	114,800	51,100
Black	42,000	6,900	15,800	13,000	4,100	2,100
Hispanic	25,300	3,800	12,400	5,900	2,600	500
Asian	107,000	18,900	47,200	28,600	9,800	2,500
Other	2,400	400	1,000	600	300	200
Life/related scientists, total	364,700	58,200	105,200	105,200	54,000	42,000
White	306,000	46,100	84,000	92,100	46,800	37,000
Black	12,300	2,800	3,600	2,900	1,500	1,600
Hispanic	10,600	2,500	4,100	2,000	1,000	1,000
Asian	34,900	6,900	13,100	7,900	4,600	2,400
Other	1,000	S	500	300	100	S
Physical/related scientists, total ...	331,000	46,400	99,900	79,900	49,500	55,200
White	282,500	38,600	82,100	68,200	42,200	51,400
Black	9,100	2,100	2,900	2,100	1,300	800
Hispanic	8,300	1,300	3,900	1,700	800	500
Asian	30,100	4,200	10,800	7,700	5,000	2,400
Other	1,000	200	300	200	100	100
Social/related scientists, total	363,800	51,000	78,400	119,800	65,100	49,500
White	318,600	41,600	65,200	106,400	60,500	44,900
Black	18,200	3,400	4,100	6,300	2,000	2,300
Hispanic	11,600	2,100	3,900	3,300	1,200	1,100
Asian	13,700	3,800	4,800	3,000	1,100	1,000
Other	1,700	100	400	700	300	200

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

Table D-10. U.S. scientists and engineers, by highest degree attained, occupation, race/ethnicity, and age: 1995

Highest degree, occupation, and race/ethnicity	S&Es, total	Age range				
		<30	30-39	40-49	50-59	60+
All degree levels¹ — continued						
Engineers, total	1,611,900	191,900	514,500	368,300	231,100	306,200
White	1,371,500	152,900	426,600	310,400	194,400	287,200
Black	37,500	8,000	14,300	8,800	3,800	2,700
Hispanic	46,300	8,000	20,500	8,200	5,300	4,200
Asian	152,400	22,500	51,600	40,100	27,200	11,200
Other	4,300	500	1,600	900	400	900
Non-S&E occupations, total	8,278,700	1,059,400	2,039,700	2,670,100	1,402,400	1,107,000
White	7,048,600	868,300	1,683,900	2,287,800	1,207,300	1,001,300
Black	481,700	65,300	131,200	154,200	79,700	51,300
Hispanic	275,800	50,400	88,100	81,700	35,200	20,500
Asian	445,200	71,900	129,800	137,500	74,800	31,200
Other	27,300	3,400	6,800	8,900	5,400	2,700
Managers/administrators	2,245,900	150,700	500,900	800,400	474,800	319,200
White	1,950,700	123,800	422,500	696,900	416,200	291,300
Black	118,900	7,300	30,200	41,300	25,200	14,900
Hispanic	66,000	7,500	20,300	22,500	11,300	4,400
Asian	103,900	11,600	26,700	37,000	20,800	7,700
Other	6,400	500	1,100	2,700	1,200	900
Other non-S&E occupations	6,032,800	908,700	1,538,900	1,869,800	927,600	787,800
White	5,097,900	744,600	1,261,400	1,590,900	791,100	710,000
Black	362,800	58,000	101,000	112,900	54,400	36,400
Hispanic	209,900	42,900	67,700	59,200	24,000	16,100
Asian	341,300	60,200	103,100	100,500	54,000	23,500
Other	20,900	2,900	5,700	6,200	4,200	1,800
Bachelor's						
All occupations, total²	7,186,800	1,308,900	2,025,400	1,992,300	929,400	930,900
White	6,131,500	1,070,900	1,689,300	1,708,400	796,900	866,100
Black	379,900	78,400	119,900	111,200	44,500	25,900
Hispanic	241,300	59,600	87,500	57,600	24,700	11,800
Asian	410,100	95,800	121,900	107,900	59,700	24,800
Other	24,000	4,200	6,800	7,200	3,600	2,200
S&E occupations, total	2,182,200	382,000	733,000	522,100	242,200	302,900
White	1,890,100	310,400	628,500	455,800	209,600	285,900
Black	79,300	19,700	27,500	19,700	7,200	5,200
Hispanic	62,500	14,800	28,500	10,800	4,800	3,500
Asian	144,000	36,100	46,300	34,100	20,100	7,400
Other	6,300	1,100	2,200	1,600	500	900
Scientists, total	1,068,000	226,300	379,000	288,800	103,800	70,100
White	911,700	182,400	322,100	252,000	90,700	64,400
Black	50,300	12,900	17,100	13,100	4,200	2,900
Hispanic	31,300	8,400	14,600	5,800	1,900	600
Asian	71,700	22,000	24,100	16,900	6,800	1,900
Other	3,000	600	1,000	1,000	200	200

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

Table D-10. U.S. scientists and engineers, by highest degree attained, occupation, race/ethnicity, and age: 1995

Highest degree, occupation, and race/ethnicity	S&Es, total	Age range				
		<30	30-39	40-49	50-59	60+
Bachelor's — continued						
Computer/math scientists, total	681,300	101,700	275,400	203,600	72,000	28,600
White	580,300	80,600	233,300	176,900	63,300	26,200
Black	31,000	6,100	12,100	8,800	2,800	1,300
Hispanic	18,700	3,500	9,900	3,600	1,400	200
Asian	49,800	11,200	19,500	13,800	4,400	900
Other	1,600	300	600	500	100	100
Life/related scientists, total	151,600	50,200	41,400	36,700	13,900	9,400
White	129,700	39,900	35,800	33,500	12,200	8,300
Black	6,100	2,500	1,500	1,000	400	700
Hispanic	5,600	2,300	1,800	900	500	100
Asian	10,000	5,500	2,200	1,000	900	300
Other	300	S	100	200	S	S
Physical/related scientists, total ...	158,200	37,500	48,800	32,300	14,300	25,200
White	138,500	32,000	42,500	28,500	11,700	23,800
Black	6,400	1,700	2,200	1,100	900	500
Hispanic	4,000	1,100	2,100	600	100	100
Asian	8,600	2,500	1,800	2,100	1,500	700
Other	600	200	200	100	100	100
Social/related scientists, total	76,900	36,900	13,300	16,200	3,700	6,800
White	63,200	29,900	10,600	13,100	3,500	6,100
Black	6,800	2,600	1,400	2,200	200	500
Hispanic	3,000	1,500	700	700	S	200
Asian	3,400	2,800	600	S	S	S
Other	500	100	100	200	S	100
Engineers, total	1,114,100	155,700	354,000	233,200	138,300	232,800
White	978,400	128,000	306,300	203,700	118,800	221,500
Black	29,000	6,800	10,400	6,600	3,000	2,200
Hispanic	31,100	6,400	13,900	5,000	2,900	2,900
Asian	72,300	14,000	22,200	17,200	13,300	5,500
Other	3,300	500	1,100	700	300	800
Non-S&E occupations, total	5,004,600	926,800	1,292,400	1,470,200	687,200	628,000
White	4,241,400	760,500	1,060,800	1,252,600	587,300	580,200
Black	300,600	58,700	92,400	91,500	37,300	20,700
Hispanic	178,800	44,800	59,000	46,800	19,900	8,400
Asian	266,100	59,700	75,600	73,800	39,500	17,400
Other	17,800	3,200	4,600	5,500	3,200	1,300
Managers/administrators	1,276,300	127,200	315,000	422,300	221,200	190,700
White	1,121,300	103,900	265,800	373,000	198,500	180,000
Black	60,800	6,400	20,400	20,900	8,500	4,500
Hispanic	40,100	6,900	13,000	11,600	6,600	1,900
Asian	49,800	9,400	14,900	14,900	6,700	3,800
Other	4,400	500	900	1,900	800	400

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

Table D-10. U.S. scientists and engineers, by highest degree attained, occupation, race/ethnicity, and age: 1995

Highest degree, occupation, and race/ethnicity	S&Es, total	Age range				
		<30	30-39	40-49	50-59	60+
Bachelor's — continued						
Other non-S&E occupations	3,728,300	799,700	977,400	1,047,900	466,000	437,300
White	3,120,100	656,600	795,000	879,600	388,800	400,200
Black	239,800	52,200	72,000	70,600	28,800	16,200
Hispanic	138,700	37,900	46,000	35,100	13,300	6,400
Asian	216,300	50,300	60,600	59,000	32,800	13,600
Other	13,400	2,700	3,800	3,700	2,400	900
Master's						
All occupations, total ²	3,114,600	167,100	765,000	1,090,200	655,100	437,200
White	2,615,700	125,500	613,900	924,400	564,100	387,800
Black	155,500	7,700	34,500	55,300	32,900	25,100
Hispanic	87,600	5,900	27,700	30,900	14,000	9,100
Asian	247,500	27,600	86,600	76,800	42,300	14,200
Other	8,200	300	2,300	2,800	1,900	900
S&E occupations, total	1,021,400	80,500	324,500	322,000	175,300	119,100
White	836,900	56,300	249,500	271,900	150,700	108,500
Black	27,600	3,000	9,200	9,500	3,500	2,400
Hispanic	26,900	2,600	11,400	7,000	4,200	1,700
Asian	127,700	18,500	53,200	33,100	16,700	6,200
Other	2,400	200	1,300	500	200	200
Scientists, total	606,100	47,000	190,400	208,200	99,200	61,300
White	502,500	33,400	145,600	179,200	87,900	56,300
Black	20,200	1,800	5,700	7,600	3,000	2,000
Hispanic	13,900	1,000	5,700	4,500	2,000	700
Asian	67,900	10,600	32,500	16,400	6,100	2,200
Other	1,600	200	900	400	200	S
Computer/math scientists, total	293,300	21,800	99,800	106,800	45,000	20,000
White	231,300	13,100	71,600	89,600	38,800	18,100
Black	9,400	800	2,900	3,800	1,200	800
Hispanic	5,100	200	2,100	1,800	900	100
Asian	46,900	7,600	22,800	11,500	4,000	1,000
Other	600	100	300	100	100	S
Life/related scientists, total	77,600	6,100	25,300	25,200	12,200	8,700
White	65,500	4,800	19,800	21,800	11,000	8,000
Black	2,800	300	800	1,000	400	400
Hispanic	1,300	100	600	400	200	100
Asian	7,500	900	3,700	2,000	600	300
Other	300	S	300	S	S	S
Physical/related scientists, total ...	81,300	6,600	27,000	22,300	13,400	12,000
White	68,300	4,900	21,300	19,200	11,700	11,100
Black	1,300	200	500	400	200	100
Hispanic	2,400	200	1,000	900	300	100
Asian	9,000	1,300	4,300	1,700	1,100	700
Other	300	100	100	100	S	S

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

Table D-10. U.S. scientists and engineers, by highest degree attained, occupation, race/ethnicity, and age: 1995

Highest degree, occupation, and race/ethnicity	S&Es, total	Age range				
		<30	30-39	40-49	50-59	60+
Master's — continued						
Social/related scientists, total	153,900	12,500	38,300	53,900	28,600	20,500
White	137,400	10,500	32,800	48,500	26,400	19,100
Black	6,600	600	1,600	2,600	1,100	800
Hispanic	5,100	500	2,000	1,400	600	400
Asian	4,400	900	1,700	1,200	400	200
Other	400	S	200	200	S	S
Engineers, total	415,300	33,500	134,100	113,800	76,100	57,800
White	334,400	22,900	103,900	92,700	62,700	52,200
Black	7,400	1,100	3,400	1,800	600	400
Hispanic	13,000	1,600	5,700	2,500	2,100	1,000
Asian	59,800	7,800	20,700	16,600	10,600	4,000
Other	800	S	400	200	100	200
Non-S&E occupations, total	2,093,100	86,600	440,400	768,200	479,800	318,100
White	1,778,900	69,200	364,400	652,500	413,400	279,300
Black	128,000	4,800	25,300	45,800	29,400	22,700
Hispanic	60,700	3,300	16,300	23,900	9,800	7,400
Asian	119,800	9,200	33,500	43,800	25,500	7,900
Other	5,800	200	900	2,200	1,700	800
Managers/administrators	781,700	22,100	162,200	310,900	191,100	95,300
White	670,400	18,700	136,900	267,100	164,500	83,100
Black	46,600	900	8,500	16,700	12,200	8,300
Hispanic	21,200	400	6,400	9,400	3,300	1,700
Asian	42,400	2,200	10,200	17,000	10,700	2,300
Other	1,200	S	100	700	300	S
Other non-S&E occupations	1,311,400	64,400	278,200	457,300	288,700	222,800
White	1,108,500	50,500	227,500	385,400	248,900	196,300
Black	81,400	3,900	16,800	29,200	17,100	14,400
Hispanic	39,500	2,900	9,900	14,500	6,500	5,700
Asian	77,500	7,000	23,200	26,700	14,900	5,700
Other	4,600	200	800	1,500	1,300	800
Doctorate						
All occupations, total²	778,400	17,000	164,700	247,800	208,200	140,700
White	636,100	13,400	118,500	204,400	177,900	121,900
Black	27,900	900	5,600	8,800	7,500	5,100
Hispanic	22,400	500	6,800	6,200	5,000	3,900
Asian	89,200	2,200	33,400	27,500	17,000	9,100
Other	2,800	S	400	1,000	800	600
S&E occupations, total	468,500	9,000	124,500	147,700	108,800	78,600
White	381,100	6,900	89,600	120,800	94,000	69,900
Black	10,300	200	3,200	3,700	1,800	1,400
Hispanic	11,400	300	4,300	3,300	1,900	1,600
Asian	64,200	1,600	27,100	19,300	10,600	5,500
Other	1,600	S	300	500	500	300

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

Table D-10. U.S. scientists and engineers, by highest degree attained, occupation, race/ethnicity, and age: 1995

Highest degree, occupation, and race/ethnicity	S&Es, total	Age range				
		<30	30-39	40-49	50-59	60+
Doctorate — continued						
Scientists, total	389,900	6,500	98,900	127,300	92,300	64,800
White	325,900	5,100	74,000	107,600	81,400	57,900
Black	9,200	200	2,800	3,400	1,500	1,300
Hispanic	9,400	300	3,500	2,700	1,700	1,300
Asian	43,900	900	18,500	13,200	7,400	3,900
Other	1,400	S	200	400	400	300
Computer/math scientists, total	59,000	1,300	16,500	19,500	14,300	7,500
White	46,100	1,000	10,900	15,300	12,400	6,500
Black	1,200	S	500	500	200	100
Hispanic	1,500	100	400	500	300	200
Asian	10,100	200	4,700	3,200	1,400	600
Other	200	S	S	S	S	100
Life/related scientists, total	116,300	1,700	33,100	37,700	24,800	19,000
White	95,300	1,300	24,500	31,700	21,000	16,700
Black	2,200	S	900	700	400	200
Hispanic	2,900	100	1,300	700	300	500
Asian	15,600	300	6,400	4,500	2,900	1,500
Other	200	S	100	100	100	S
Physical/related scientists, total ...	90,800	2,200	24,000	25,300	21,800	17,500
White	75,000	1,600	18,200	20,400	18,700	16,000
Black	1,400	200	300	600	200	200
Hispanic	1,800	S	800	300	500	300
Asian	12,400	400	4,700	3,900	2,300	1,100
Other	200	S	S	S	100	S
Social/related scientists, total	123,700	1,400	25,200	44,800	31,500	20,800
White	109,700	1,200	20,300	40,200	29,200	18,700
Black	4,300	S	1,100	1,600	700	800
Hispanic	3,200	100	1,100	1,100	600	400
Asian	5,800	100	2,600	1,600	700	800
Other	800	S	100	300	300	100
Engineers, total	78,700	2,500	25,600	20,400	16,500	13,800
White	55,200	1,800	15,700	13,200	12,600	12,000
Black	1,100	S	400	300	300	S
Hispanic	2,000	S	800	700	300	300
Asian	20,300	600	8,700	6,200	3,200	1,600
Other	200	S	100	S	100	S
Non-S&E occupations, total	309,800	8,000	40,200	100,100	99,400	62,100
White	255,000	6,500	28,900	83,600	83,900	52,100
Black	17,600	700	2,400	5,000	5,700	3,800
Hispanic	11,000	200	2,600	2,800	3,000	2,400
Asian	25,100	600	6,300	8,200	6,400	3,600
Other	1,200	S	100	500	200	300

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

Table D-10. U.S. scientists and engineers, by highest degree attained, occupation, race/ethnicity, and age: 1995

Highest degree, occupation, and race/ethnicity	S&Es, total	Age range				
		<30	30-39	40-49	50-59	60+
Doctorate — continued						
Managers/administrators	131,700	900	12,300	43,900	49,900	24,700
White	110,500	800	9,300	36,300	42,600	21,500
Black	7,400	S	900	2,100	3,200	1,100
Hispanic	3,000	S	600	1,200	800	500
Asian	10,400	100	1,600	4,300	3,200	1,300
Other	500	S	S	100	100	300
Other non-S&E occupations	178,100	7,000	27,800	56,300	49,500	37,400
White	144,500	5,600	19,600	47,400	41,400	30,500
Black	10,200	700	1,500	2,900	2,500	2,600
Hispanic	8,000	200	1,900	1,700	2,300	1,900
Asian	14,700	500	4,700	3,900	3,200	2,300
Other	700	S	100	500	100	S

1 Includes professional degrees

2 Total excludes 49,100 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 were employed in a S&E occupation during either the 1993 or 1995 SESTAT surveys. 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, 1995 SESTAT (Scientists and Engineers Statistical Data System)