

Table B-9. U.S. scientists and engineers, by level and field of highest degree attained, race/ethnicity, and age: 1993

Level and field of highest degree, and race/ethnicity	S&Es, total	Age range				
		<30	30-39	40-49	50-59	60+
All degree levels¹						
All degree fields, total	11,615,200	1,518,700	3,419,700	3,440,700	1,700,300	1,535,800
White	9,896,200	1,242,200	2,823,900	2,950,300	1,466,800	1,412,900
Black	573,800	88,700	181,500	170,700	79,300	53,600
Hispanic	352,000	61,000	134,700	92,900	39,500	23,800
Asian	757,900	123,200	268,400	216,000	108,100	42,300
Other	35,200	3,600	11,200	10,800	6,500	3,100
S&E degree fields, total	8,571,000	1,352,300	2,479,900	2,354,800	1,193,500	1,190,400
White	7,244,200	1,101,300	2,019,200	1,998,200	1,023,400	1,102,200
Black	413,400	80,100	132,700	116,800	50,100	33,600
Hispanic	268,200	55,000	101,700	64,300	29,300	17,900
Asian	619,200	112,900	218,200	167,500	86,200	34,500
Other	25,900	3,100	8,100	7,900	4,500	2,200
Sciences, total	6,354,300	1,059,600	1,807,200	1,879,900	853,200	754,400
White	5,381,700	870,700	1,482,600	1,607,600	732,800	687,900
Black	366,500	68,900	112,400	107,800	46,300	31,100
Hispanic	198,400	43,300	69,500	51,800	21,500	12,300
Asian	386,300	74,000	136,100	106,000	49,000	21,000
Other	21,400	2,700	6,500	6,600	3,600	2,000
Computer/math sciences, total	1,046,400	190,200	377,800	275,800	134,000	68,600
White	852,400	146,400	291,700	233,900	118,000	62,400
Black	59,800	16,300	22,700	12,200	5,500	3,100
Hispanic	28,500	7,000	11,800	6,200	2,200	1,300
Asian	102,400	20,000	50,100	22,700	8,000	1,700
Other	3,300	500	1,500	900	300	100
Life/related sciences, total	1,322,600	202,400	414,800	380,400	169,400	155,500
White	1,124,200	161,800	352,600	328,200	143,400	138,100
Black	59,900	11,400	18,800	14,600	7,900	7,200
Hispanic	42,100	8,900	14,700	10,000	4,900	3,500
Asian	92,100	19,800	27,300	26,200	12,600	6,200
Other	4,300	500	1,400	1,400	600	400
Physical/related sciences, total	760,700	82,200	198,600	186,000	135,200	158,800
White	652,600	67,000	164,400	154,900	116,700	149,600
Black	24,400	3,700	6,800	6,700	3,700	3,600
Hispanic	17,900	2,700	6,500	4,000	3,000	1,600
Asian	63,300	8,200	20,100	19,800	11,500	3,600
Other	2,600	500	900	600	300	300
Social/related sciences, total	3,224,500	584,900	816,100	1,037,700	414,500	371,400
White	2,752,500	495,500	673,900	890,700	354,700	337,700
Black	222,400	37,400	64,100	74,400	29,200	17,200
Hispanic	110,000	24,700	36,600	31,500	11,300	5,900
Asian	128,500	26,000	38,700	37,300	16,900	9,500
Other	11,200	1,200	2,700	3,800	2,300	1,200

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

Table B-9. U.S. scientists and engineers, by level and field of highest degree attained, race/ethnicity, and age: 1993

Level and field of highest degree, and race/ethnicity	S&Es, total	Age range				
		<30	30-39	40-49	50-59	60+
All degree levels¹ — continued						
Engineering, total	2,216,700	292,700	672,700	475,000	340,300	436,000
White	1,862,600	230,600	536,500	390,600	290,600	414,300
Black	46,900	11,200	20,300	9,000	3,900	2,500
Hispanic	69,800	11,700	32,100	12,500	7,800	5,600
Asian	232,900	38,800	82,100	61,500	37,100	13,400
Other	4,500	400	1,600	1,300	900	200
Non-S&E degree fields, total	3,044,200	166,400	939,800	1,085,900	506,800	345,400
White	2,652,000	140,900	804,700	952,100	443,400	310,700
Black	160,400	8,600	48,800	53,800	29,200	20,000
Hispanic	83,800	6,000	33,100	28,600	10,200	5,900
Asian	138,700	10,300	50,100	48,500	21,900	7,800
Other	9,300	600	3,000	2,800	2,000	900
Bachelor's						
All degree fields, total	6,975,000	1,293,000	2,131,200	1,818,400	820,500	911,800
White	5,961,800	1,065,600	1,781,300	1,556,700	705,900	852,400
Black	367,300	80,600	127,200	97,200	38,600	23,700
Hispanic	223,800	52,600	86,600	51,600	21,200	11,800
Asian	399,500	91,200	128,400	106,000	51,300	22,600
Other	22,500	3,100	7,700	6,900	3,500	1,300
S&E degree fields, total	6,402,200	1,235,300	1,907,000	1,632,600	749,300	877,900
White	5,468,900	1,015,600	1,588,700	1,397,300	645,900	821,400
Black	336,900	76,300	113,900	89,200	35,100	22,500
Hispanic	209,200	51,000	80,600	46,900	19,300	11,400
Asian	367,600	89,700	117,500	93,000	46,100	21,300
Other	19,600	2,800	6,300	6,200	3,000	1,300
Sciences, total	4,726,000	987,700	1,403,000	1,304,500	516,000	514,800
White	4,020,300	815,400	1,170,000	1,118,300	442,800	473,800
Black	297,400	66,100	96,600	82,400	31,900	20,400
Hispanic	155,100	40,700	55,600	37,800	13,900	7,200
Asian	236,900	63,000	75,500	61,000	25,100	12,200
Other	16,200	2,500	5,200	5,100	2,200	1,200
Computer/math sciences, total	761,100	172,000	286,800	179,400	75,600	47,300
White	628,200	133,900	229,200	154,100	68,100	42,900
Black	50,400	15,500	20,000	8,800	3,500	2,600
Hispanic	23,600	6,600	10,400	4,500	1,300	900
Asian	56,400	15,500	26,200	11,100	2,700	800
Other	2,600	500	1,000	800	100	100
Life/related sciences, total	966,400	187,900	320,800	257,000	96,100	104,700
White	830,600	150,800	277,700	225,700	82,300	94,100
Black	48,000	10,700	16,400	10,200	5,600	5,100
Hispanic	31,400	8,600	11,500	6,800	2,700	1,900
Asian	53,300	17,400	14,000	13,300	5,200	3,500
Other	3,100	500	1,200	900	400	200

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

Table B-9. U.S. scientists and engineers, by level and field of highest degree attained, race/ethnicity, and age: 1993

Level and field of highest degree, and race/ethnicity	S&Es, total	Age range				
		<30	30-39	40-49	50-59	60+
Bachelor's — continued						
Physical/related sciences, total	489,700	70,900	129,700	108,700	74,800	105,700
White	425,800	58,300	111,600	91,000	64,400	100,500
Black	18,700	3,400	5,500	4,700	2,500	2,500
Hispanic	12,000	2,400	4,300	2,400	2,000	900
Asian	31,200	6,400	7,600	10,200	5,600	1,500
Other	2,000	400	700	500	200	300
Social/related sciences, total	2,508,800	557,000	665,700	759,500	269,500	257,100
White	2,135,800	472,500	551,500	647,400	228,100	236,300
Black	180,400	36,500	54,700	58,700	20,300	10,200
Hispanic	88,100	23,100	29,500	24,000	7,900	3,600
Asian	95,900	23,800	27,700	26,400	11,600	6,400
Other	8,600	1,100	2,300	2,900	1,600	700
Engineering, total	1,676,100	247,600	504,000	328,100	233,300	363,100
White	1,448,600	200,200	418,700	279,100	203,000	347,600
Black	39,500	10,200	17,300	6,800	3,100	2,100
Hispanic	54,000	10,300	25,000	9,100	5,400	4,200
Asian	130,700	26,600	42,000	32,000	21,000	9,100
Other	3,300	300	1,000	1,100	800	100
Non-S&E degree fields, total	572,800	57,700	224,200	185,900	71,100	33,900
White	492,900	50,000	192,600	159,400	60,000	31,000
Black	30,400	4,300	13,300	8,000	3,600	1,200
Hispanic	14,600	1,600	6,000	4,700	1,900	400
Asian	32,000	1,600	10,900	13,000	5,100	1,300
Other	2,900	300	1,400	700	500	S
Master's						
All degree fields, total	3,011,700	170,900	819,400	1,058,100	570,400	393,000
White	2,532,000	133,000	654,500	900,000	491,300	353,100
Black	148,200	5,900	36,300	54,300	29,700	22,100
Hispanic	82,500	5,800	30,300	27,900	11,600	6,800
Asian	240,900	25,900	95,900	73,300	35,700	10,100
Other	8,100	300	2,500	2,500	2,000	800
S&E degree fields, total	1,571,900	109,300	435,500	520,900	293,900	212,300
White	1,282,500	80,300	327,300	433,300	250,000	191,500
Black	64,200	3,500	15,800	22,400	12,700	9,700
Hispanic	43,100	3,600	16,700	12,700	6,300	3,800
Asian	177,800	21,700	74,100	51,400	24,000	6,700
Other	4,400	200	1,600	1,100	900	600
Sciences, total	1,123,600	66,400	290,900	400,400	212,800	153,100
White	934,900	51,200	224,400	339,700	183,000	136,700
Black	57,900	2,500	13,000	20,800	12,200	9,400
Hispanic	29,400	2,500	10,100	9,800	4,400	2,700
Asian	97,900	10,100	42,300	29,200	12,400	3,800
Other	3,500	200	1,100	900	800	500

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

Table B-9. U.S. scientists and engineers, by level and field of highest degree attained, race/ethnicity, and age: 1993

Level and field of highest degree, and race/ethnicity	S&Es, total	Age range				
		<30	30-39	40-49	50-59	60+
Master's — continued						
Computer/math sciences, total	250,600	17,300	81,900	84,900	48,900	17,600
White	196,700	11,900	56,400	70,200	41,700	16,400
Black	9,100	800	2,700	3,200	1,900	500
Hispanic	4,000	400	1,200	1,400	800	200
Asian	40,200	4,100	21,200	10,000	4,300	500
Other	700	S	400	S	200	S
Life/related sciences, total	187,500	12,500	51,800	64,900	35,100	23,200
White	155,900	9,600	42,200	53,700	30,400	20,100
Black	8,500	600	1,600	2,900	1,600	1,800
Hispanic	4,300	200	1,600	1,400	700	400
Asian	18,000	2,100	6,200	6,600	2,300	800
Other	800	S	200	300	100	100
Physical/related sciences, total	139,200	9,900	37,500	39,400	25,600	26,800
White	117,000	7,700	29,100	33,100	22,200	24,900
Black	4,200	300	800	1,300	900	1,000
Hispanic	3,400	300	1,400	1,000	400	300
Asian	14,300	1,600	6,000	3,900	2,100	600
Other	300	100	100	100	100	S
Social/related sciences, total	546,300	26,700	119,800	211,200	103,100	85,500
White	465,300	22,000	96,600	182,700	88,700	75,200
Black	36,100	800	8,000	13,300	7,800	6,200
Hispanic	17,700	1,600	5,900	5,900	2,600	1,700
Asian	25,500	2,200	9,000	8,700	3,700	1,900
Other	1,700	S	300	600	300	400
Engineering, total	448,300	42,900	144,600	120,500	81,100	59,200
White	347,600	29,100	102,900	93,600	67,100	54,900
Black	6,300	1,000	2,700	1,600	500	300
Hispanic	13,600	1,100	6,600	2,900	1,800	1,100
Asian	80,000	11,600	31,700	22,200	11,500	2,900
Other	900	S	500	200	100	100
Non-S&E degree fields, total	1,439,800	61,600	384,000	537,100	276,500	180,600
White	1,249,500	52,800	327,100	466,700	241,300	161,600
Black	84,000	2,400	20,500	31,900	16,900	12,400
Hispanic	39,500	2,200	13,600	15,200	5,300	3,100
Asian	63,100	4,200	21,800	21,900	11,800	3,400
Other	3,700	100	900	1,400	1,100	200
Doctorate						
All degree fields, total	706,700	8,600	152,000	234,700	186,800	124,600
White	583,700	6,000	113,200	195,100	159,000	110,400
Black	22,200	300	4,200	8,600	5,700	3,500
Hispanic	18,800	500	5,000	5,600	4,700	3,000
Asian	79,400	1,700	29,200	24,800	16,800	7,000
Other	2,500	100	300	700	700	700

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

Table B-9. U.S. scientists and engineers, by level and field of highest degree attained, race/ethnicity, and age: 1993

Level and field of highest degree, and race/ethnicity	S&Es, total	Age range				
		<30	30-39	40-49	50-59	60+
Doctorate — continued						
S&E degree fields, total	589,600	7,600	136,700	197,500	148,900	99,000
White	486,700	5,400	102,500	164,300	126,300	88,300
Black	12,000	300	3,100	5,100	2,300	1,200
Hispanic	15,700	400	4,300	4,600	3,700	2,700
Asian	73,400	1,500	26,600	22,900	15,900	6,400
Other	1,900	100	200	700	600	300
Sciences, total	497,400	5,500	112,600	171,100	123,000	85,300
White	420,200	4,100	87,600	146,300	105,800	76,500
Black	10,800	300	2,800	4,500	2,100	1,200
Hispanic	13,600	200	3,700	4,100	3,200	2,400
Asian	51,100	1,000	18,300	15,600	11,300	5,000
Other	1,700	S	200	600	600	300
Computer/math sciences, total	34,800	900	9,100	11,600	9,500	3,700
White	27,600	500	6,100	9,600	8,200	3,200
Black	400	S	100	100	100	S
Hispanic	900	S	200	300	200	200
Asian	5,800	300	2,700	1,500	1,000	300
Other	100	S	S	S	S	S
Life/related sciences, total	168,700	2,000	42,300	58,500	38,200	27,600
White	137,700	1,500	32,700	48,800	30,800	23,900
Black	3,400	100	800	1,500	600	400
Hispanic	6,300	100	1,600	1,800	1,600	1,300
Asian	20,800	300	7,100	6,300	5,100	2,000
Other	500	S	100	200	100	100
Physical/related sciences, total	131,800	1,400	31,400	37,900	34,800	26,300
White	109,800	1,000	23,700	30,800	30,000	24,200
Black	1,500	S	400	700	300	100
Hispanic	2,400	100	800	600	600	400
Asian	17,800	300	6,500	5,800	3,800	1,500
Other	300	S	100	100	100	100
Social/related sciences, total	162,200	1,200	29,800	63,100	40,400	27,600
White	145,200	1,000	25,200	57,200	36,700	25,200
Black	5,500	200	1,400	2,200	1,100	600
Hispanic	3,900	S	1,100	1,400	800	500
Asian	6,700	100	2,100	2,000	1,400	1,200
Other	900	S	100	300	400	100
Engineering, total	92,200	2,200	24,100	26,400	25,900	13,700
White	66,400	1,300	14,900	17,900	20,500	11,800
Black	1,200	S	300	600	200	S
Hispanic	2,100	200	500	500	600	300
Asian	22,200	600	8,300	7,300	4,600	1,500
Other	200	100	100	S	S	S

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

Table B-9. U.S. scientists and engineers, by level and field of highest degree attained, race/ethnicity, and age: 1993

Level and field of highest degree, and race/ethnicity	S&Es, total	Age range				
		<30	30-39	40-49	50-59	60+
Doctorate — continued						
Non-S&E degree fields, total	117,100	1,000	15,300	37,200	37,900	25,600
White	97,000	600	10,800	30,800	32,700	22,100
Black	10,300	S	1,100	3,500	3,400	2,300
Hispanic	3,100	100	800	1,000	900	300
Asian	6,100	200	2,600	1,900	800	500
Other	600	S	100	S	100	400

¹ Includes professional degrees

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)