

TABLE A-20. Standard errors for employed U.S. scientists and engineers, by highest degree attained, occupation, race/ethnicity, and years since degree: 2003

Level of highest degree, occupation, and race/ethnicity ^a	Employed scientists and engineers	Years since highest degree							
		<5 years	5-9 years	10-14 years	15-19 years	20-24 years	25-29 years	30-34 years	35+ years
All degrees and occupations ^b	82,000	32,000	43,000	38,000	39,000	35,000	31,000	27,000	22,000
American Indian/Alaska Native	6,000	3,000	3,000	2,000	2,000	2,000	2,000	1,000	1,000
Asian	22,000	10,000	11,000	10,000	9,000	9,000	7,000	6,000	5,000
Black	20,000	9,000	11,000	9,000	8,000	7,000	6,000	5,000	3,000
Hispanic	20,000	9,000	10,000	8,000	8,000	8,000	6,000	2,000	4,000
White	77,000	30,000	40,000	35,000	34,000	31,000	30,000	25,000	20,000
Other	12,000	5,000	8,000	5,000	4,000	3,000	4,000	3,000	2,000
S&E occupations	39,000	17,000	19,000	16,000	17,000	12,000	11,000	8,000	8,000
American Indian/Alaska Native	2,000	500	1,000	1,000	2,000	500	500	*	S
Asian	12,000	7,000	6,000	5,000	4,000	3,000	3,000	2,000	2,000
Black	7,000	4,000	4,000	3,000	3,000	3,000	2,000	1,000	1,000
Hispanic	7,000	3,000	4,000	3,000	2,000	3,000	1,000	1,000	1,000
White	36,000	14,000	16,000	14,000	16,000	12,000	10,000	8,000	7,000
Other	5,000	3,000	4,000	2,000	2,000	1,000	1,000	2,000	500
Scientists	34,000	16,000	15,000	15,000	14,000	10,000	9,000	7,000	6,000
American Indian/Alaska Native	2,000	500	1,000	1,000	1,000	500	S	S	S
Asian	10,000	6,000	5,000	4,000	3,000	2,000	2,000	1,000	1,000
Black	6,000	4,000	3,000	3,000	2,000	2,000	2,000	1,000	1,000
Hispanic	6,000	3,000	4,000	3,000	1,000	2,000	1,000	1,000	1,000
White	31,000	14,000	14,000	13,000	13,000	10,000	9,000	7,000	6,000
Other	4,000	3,000	2,000	1,000	1,000	1,000	1,000	1,000	500
Biological/agricultural/other life scientists	10,000	5,000	5,000	3,000	4,000	5,000	3,000	3,000	2,000
American Indian/Alaska Native	1,000	500	S	S	S	S	S	S	S
Asian	3,000	2,000	1,000	1,000	1,000	1,000	1,000	500	1,000
Black	1,000	1,000	1,000	1,000	500	500	500	1,000	*
Hispanic	2,000	1,000	1,000	1,000	500	500	*	*	1,000
White	9,000	5,000	4,000	3,000	4,000	5,000	3,000	3,000	2,000
Other	1,000	1,000	1,000	500	500	500	*	S	S
Agricultural/food scientists	4,000	1,000	2,000	1,000	2,000	2,000	2,000	1,000	1,000
American Indian/Alaska Native	S	S	S	S	S	S	S	S	S
Asian	1,000	500	*	*	500	500	1,000	*	S
Black	500	*	*	500	S	S	S	S	S
Hispanic	1,000	*	1,000	*	S	S	S	S	S
White	3,000	1,000	2,000	1,000	2,000	2,000	1,000	1,000	1,000
Other	*	S	S	S	S	S	S	S	S
Biological/medical scientists	9,000	5,000	4,000	3,000	3,000	4,000	2,000	2,000	2,000
American Indian/Alaska Native	1,000	S	S	S	S	S	S	S	S
Asian	3,000	2,000	1,000	1,000	1,000	1,000	1,000	500	500
Black	1,000	1,000	1,000	500	*	500	*	S	S
Hispanic	2,000	1,000	1,000	1,000	500	500	*	S	S
White	8,000	4,000	3,000	3,000	3,000	4,000	2,000	1,000	1,000
Other	1,000	1,000	1,000	*	*	S	S	S	S
Environmental life scientists	4,000	1,000	1,000	1,000	2,000	2,000	2,000	2,000	1,000
American Indian/Alaska Native	S	S	S	S	S	S	S	S	S
Asian	S	S	S	S	S	S	S	S	S
Black	500	S	S	S	S	S	S	S	S
Hispanic	500	S	S	S	S	S	S	S	S
White	4,000	1,000	1,000	1,000	2,000	2,000	2,000	2,000	1,000
Other	S	S	S	S	S	S	S	S	S
Postsecondary teachers-life/related sciences	3,000	2,000	1,000	1,000	1,000	1,000	1,000	1,000	500
American Indian/Alaska Native	S	S	S	S	S	S	S	S	S
Asian	1,000	500	500	*	500	*	*	S	S

TABLE A-20. Standard errors for employed U.S. scientists and engineers, by highest degree attained, occupation, race/ethnicity, and years since degree: 2003

Level of highest degree, occupation, and race/ethnicity ^a	Employed scientists and engineers	Years since highest degree							
		<5 years	5-9 years	10-14 years	15-19 years	20-24 years	25-29 years	30-34 years	35+ years
Black	500	*	*	*	*	*	*	S	S
Hispanic	500	*	*	*	*	S	*	S	S
White	2,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	500
Other	500	S	*	*	S	S	S	S	S
Computer/mathematical scientists	27,000	11,000	13,000	13,000	12,000	9,000	8,000	5,000	4,000
American Indian/Alaska Native	1,000	500	1,000	S	S	S	S	S	S
Asian	9,000	6,000	4,000	4,000	3,000	2,000	2,000	1,000	1,000
Black	6,000	3,000	3,000	3,000	2,000	2,000	1,000	1,000	1,000
Hispanic	5,000	3,000	3,000	2,000	1,000	2,000	1,000	1,000	500
White	25,000	9,000	12,000	11,000	11,000	8,000	7,000	5,000	4,000
Other	3,000	1,000	2,000	1,000	1,000	1,000	1,000	500	S
Computer/information scientists	26,000	11,000	13,000	12,000	11,000	8,000	7,000	5,000	4,000
American Indian/Alaska Native	1,000	*	1,000	S	S	S	S	S	S
Asian	9,000	6,000	4,000	4,000	3,000	2,000	1,000	1,000	1,000
Black	5,000	2,000	3,000	3,000	2,000	1,000	1,000	1,000	S
Hispanic	5,000	3,000	3,000	2,000	1,000	2,000	1,000	1,000	500
White	25,000	9,000	12,000	11,000	11,000	8,000	6,000	5,000	4,000
Other	3,000	1,000	2,000	1,000	1,000	1,000	500	500	S
Mathematical scientists	6,000	1,000	2,000	2,000	2,000	1,000	3,000	2,000	1,000
American Indian/Alaska Native	S	S	S	S	S	S	S	S	S
Asian	1,000	1,000	500	500	500	*	1,000	S	S
Black	1,000	1,000	500	S	S	S	S	S	S
Hispanic	1,000	500	*	S	S	S	S	S	S
White	5,000	1,000	2,000	2,000	2,000	1,000	3,000	2,000	1,000
Other	1,000	S	S	S	S	S	S	S	S
Postsecondary teachers-computer/mathematics/science	4,000	2,000	2,000	2,000	1,000	2,000	2,000	1,000	1,000
American Indian/Alaska Native	S	S	S	S	S	S	S	S	S
Asian	1,000	1,000	500	1,000	1,000	500	*	500	*
Black	2,000	2,000	1,000	500	*	500	*	*	S
Hispanic	1,000	500	500	*	*	500	S	S	S
White	3,000	1,000	1,000	1,000	1,000	2,000	2,000	1,000	1,000
Other	500	S	S	S	S	S	S	S	S
Physical/related scientists	9,000	5,000	4,000	4,000	3,000	4,000	2,000	2,000	2,000
American Indian/Alaska Native	500	*	*	S	S	S	S	S	S
Asian	2,000	2,000	1,000	1,000	1,000	1,000	1,000	500	1,000
Black	1,000	500	500	500	500	500	500	S	S
Hispanic	1,000	1,000	1,000	1,000	500	1,000	500	500	*
White	8,000	4,000	3,000	3,000	3,000	4,000	2,000	2,000	1,000
Other	1,000	1,000	500	500	*	*	500	S	S
Chemists, except biochemists	6,000	4,000	2,000	2,000	2,000	2,000	2,000	1,000	1,000
American Indian/Alaska Native	*	S	S	S	S	S	S	S	S
Asian	2,000	1,000	1,000	500	1,000	500	1,000	500	500
Black	1,000	500	500	500	500	500	500	S	S
Hispanic	1,000	500	*	1,000	*	1,000	500	S	S
White	5,000	4,000	2,000	1,000	2,000	2,000	1,000	1,000	1,000
Other	1,000	1,000	S	S	S	S	S	S	S
Earth/atmospheric/ocean scientists	5,000	1,000	2,000	3,000	2,000	1,000	1,000	1,000	1,000
American Indian/Alaska Native	*	*	S	S	S	S	S	S	S
Asian	500	500	*	*	*	S	S	S	S
Black	500	*	S	S	S	S	S	S	S
Hispanic	500	500	500	500	*	S	*	S	S

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Level of highest degree, occupation, and race/ethnicity ^a	Employed scientists and engineers	Years since highest degree							
		<5 years	5-9 years	10-14 years	15-19 years	20-24 years	25-29 years	30-34 years	35+ years
White	5,000	1,000	2,000	3,000	2,000	1,000	1,000	1,000	1,000
Other	500	*	S	S	S	S	S	S	S
Physicists/astronomers	2,000	1,000	1,000	500	500	1,000	500	1,000	1,000
American Indian/Alaska Native	S	S	S	S	S	S	S	S	S
Asian	1,000	500	500	500	500	*	*	S	S
Black	500	S	S	S	S	S	S	S	S
Hispanic	500	*	*	S	S	S	S	S	S
White	2,000	1,000	1,000	500	500	1,000	500	1,000	500
Other	*	S	S	S	S	S	S	S	S
Postsecondary teachers-physical/related sciences	3,000	1,000	2,000	1,000	1,000	500	1,000	500	1,000
American Indian/Alaska Native	S	S	S	S	S	S	S	S	S
Asian	1,000	1,000	500	*	*	*	*	*	500
Black	500	*	*	*	*	S	*	S	S
Hispanic	1,000	1,000	*	*	*	*	S	S	S
White	3,000	1,000	2,000	1,000	1,000	500	500	500	1,000
Other	500	*	S	*	S	S	S	S	S
Other physical/related scientists	4,000	2,000	2,000	1,000	1,000	3,000	1,000	1,000	500
American Indian/Alaska Native	S	S	S	S	S	S	S	S	S
Asian	1,000	500	*	S	S	S	S	S	S
Black	500	S	S	S	S	S	S	S	S
Hispanic	1,000	*	S	S	S	S	S	S	S
White	4,000	2,000	2,000	1,000	1,000	3,000	1,000	1,000	*
Other	*	S	S	S	S	S	S	S	S
Social/related scientists	14,000	7,000	6,000	5,000	4,000	4,000	3,000	3,000	2,000
American Indian/Alaska Native	1,000	*	1,000	S	S	S	S	S	S
Asian	3,000	2,000	1,000	1,000	500	500	500	500	1,000
Black	3,000	2,000	2,000	1,000	1,000	1,000	1,000	500	S
Hispanic	2,000	1,000	1,000	1,000	1,000	500	500	500	S
White	12,000	6,000	6,000	4,000	4,000	4,000	3,000	3,000	2,000
Other	2,000	2,000	1,000	*	*	*	500	*	S
Economists	3,000	1,000	1,000	2,000	500	2,000	1,000	1,000	1,000
American Indian/Alaska Native	S	S	S	S	S	S	S	S	S
Asian	1,000	1,000	500	500	S	S	S	S	S
Black	1,000	500	*	S	S	S	S	S	S
Hispanic	500	*	*	S	S	S	S	S	S
White	3,000	1,000	1,000	2,000	500	1,000	1,000	1,000	1,000
Other	*	S	S	S	S	S	S	S	S
Political/related scientists	2,000	1,000	1,000	1,000	1,000	1,000	*	1,000	*
American Indian/Alaska Native	S	S	S	S	S	S	S	S	S
Asian	*	S	S	S	S	S	S	S	S
Black	500	S	S	S	S	S	S	S	S
Hispanic	500	S	S	S	S	S	S	S	S
White	2,000	1,000	1,000	1,000	1,000	1,000	*	S	*
Other	S	S	S	S	S	S	S	S	S
Postsecondary teachers-social/related sciences	4,000	2,000	2,000	1,000	1,000	1,000	1,000	1,000	1,000
American Indian/Alaska Native	*	S	*	S	S	S	S	S	S
Asian	1,000	1,000	500	500	500	500	*	*	S
Black	1,000	500	500	500	*	*	500	*	S
Hispanic	1,000	500	500	500	*	*	S	*	S

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		<5 years	5-9 years	10-14 years	15-19 years	20-24 years	25-29 years	30-34 years	35+ years
White	4,000	2,000	2,000	1,000	1,000	1,000	1,000	1,000	1,000
Other	500	500	500	S	*	S	S	S	S
Psychologists	6,000	4,000	3,000	2,000	2,000	2,000	1,000	1,000	1,000
American Indian/Alaska Native	*	*	S	S	S	S	S	S	S
Asian	1,000	1,000	500	*	*	*	S	S	S
Black	2,000	1,000	2,000	1,000	*	500	*	S	S
Hispanic	1,000	1,000	1,000	1,000	500	500	*	S	S
White	6,000	3,000	3,000	2,000	2,000	2,000	1,000	1,000	1,000
Other	500	*	500	*	*	*	500	S	S
Sociologists/anthropologists	3,000	2,000	1,000	1,000	1,000	1,000	500	500	1,000
American Indian/Alaska Native	S	S	S	S	S	S	S	S	S
Asian	*	S	S	S	S	S	S	S	S
Black	1,000	*	S	S	S	S	S	S	S
Hispanic	1,000	1,000	500	S	S	S	S	S	S
White	2,000	2,000	1,000	1,000	1,000	1,000	500	*	1,000
Other	*	S	S	S	S	S	S	S	S
Other social/related scientists	9,000	4,000	5,000	3,000	3,000	2,000	3,000	2,000	2,000
American Indian/Alaska Native	S	S	S	S	S	S	S	S	S
Asian	2,000	1,000	1,000	1,000	S	S	S	S	S
Black	2,000	2,000	1,000	S	S	*	1,000	S	S
Hispanic	1,000	500	1,000	500	S	S	S	S	S
White	8,000	3,000	5,000	3,000	3,000	2,000	2,000	2,000	2,000
Other	2,000	S	*	S	S	S	S	S	S
Engineers	18,000	6,000	10,000	7,000	8,000	8,000	6,000	5,000	5,000
American Indian/Alaska Native	1,000	500	S	500	1,000	S	S	S	S
Asian	6,000	3,000	3,000	2,000	2,000	2,000	2,000	1,000	1,000
Black	4,000	2,000	1,000	1,000	2,000	2,000	1,000	1,000	500
Hispanic	4,000	1,000	2,000	2,000	1,000	2,000	1,000	500	1,000
White	18,000	5,000	9,000	7,000	8,000	7,000	5,000	4,000	5,000
Other	4,000	1,000	3,000	1,000	1,000	1,000	1,000	1,000	500
Aerospace/aeronautical/astronautical engineers	5,000	1,000	2,000	2,000	2,000	2,000	1,000	1,000	3,000
American Indian/Alaska Native	S	S	S	S	S	S	S	S	S
Asian	1,000	500	500	500	500	500	500	500	S
Black	1,000	*	500	S	S	S	S	S	S
Hispanic	1,000	500	500	*	500	*	S	S	S
White	5,000	1,000	2,000	2,000	1,000	2,000	1,000	1,000	3,000
Other	1,000	*	S	S	1,000	S	S	S	S
Chemical engineers	3,000	1,000	2,000	1,000	2,000	1,000	1,000	1,000	1,000
American Indian/Alaska Native	1,000	S	S	S	S	S	S	S	S
Asian	1,000	1,000	1,000	500	500	500	500	500	*
Black	500	500	S	S	S	*	S	S	S
Hispanic	1,000	500	500	*	500	S	S	S	S
White	3,000	1,000	2,000	1,000	2,000	1,000	1,000	1,000	1,000
Other	1,000	S	S	S	S	S	S	S	S
Civil/architectural/sanitary engineers	8,000	2,000	4,000	3,000	3,000	3,000	2,000	2,000	2,000
American Indian/Alaska Native	500	S	S	S	S	S	S	S	S
Asian	2,000	1,000	1,000	1,000	500	1,000	1,000	1,000	1,000
Black	1,000	500	500	1,000	500	500	500	S	S
Hispanic	2,000	1,000	1,000	1,000	1,000	500	500	500	1,000
White	7,000	2,000	3,000	2,000	3,000	3,000	2,000	2,000	2,000
Other	3,000	500	3,000	500	S	S	1,000	1,000	S

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		<5 years	5-9 years	10-14 years	15-19 years	20-24 years	25-29 years	30-34 years	35+ years
Electrical/computer hardware engineers	8,000	3,000	5,000	3,000	3,000	3,000	3,000	2,000	2,000
American Indian/Alaska Native	*	S	S	S	S	S	S	S	S
Asian	4,000	1,000	3,000	1,000	2,000	1,000	2,000	1,000	500
Black	2,000	1,000	1,000	500	1,000	500	1,000	S	S
Hispanic	2,000	500	1,000	1,000	1,000	1,000	1,000	S	S
White	6,000	3,000	4,000	3,000	2,000	3,000	2,000	1,000	1,000
Other	1,000	1,000	500	S	500	*	1,000	S	S
Industrial engineers	5,000	2,000	2,000	2,000	2,000	1,000	1,000	1,000	1,000
American Indian/Alaska Native	S	S	S	S	S	S	S	S	S
Asian	1,000	1,000	1,000	500	500	500	S	S	S
Black	1,000	*	1,000	S	S	S	S	S	S
Hispanic	1,000	500	1,000	S	500	S	S	S	S
White	4,000	2,000	2,000	2,000	1,000	1,000	1,000	1,000	1,000
Other	500	S	S	S	S	S	S	S	S
Mechanical engineers	7,000	3,000	3,000	4,000	3,000	3,000	2,000	2,000	2,000
American Indian/Alaska Native	S	S	S	S	S	S	S	S	S
Asian	2,000	1,000	1,000	1,000	500	1,000	500	500	500
Black	1,000	500	500	500	1,000	*	S	S	S
Hispanic	1,000	1,000	1,000	1,000	500	500	500	S	500
White	7,000	2,000	3,000	3,000	3,000	3,000	2,000	2,000	2,000
Other	1,000	500	500	500	S	S	S	S	S
Postsecondary teachers-engineering	2,000	1,000	1,000	500	500	500	500	500	1,000
American Indian/Alaska Native	S	S	S	S	S	S	S	S	S
Asian	1,000	1,000	500	500	500	500	500	*	*
Black	500	*	*	*	*	S	*	S	S
Hispanic	500	500	*	*	*	S	*	S	S
White	1,000	1,000	1,000	500	500	500	500	500	500
Other	*	S	S	S	S	S	S	S	S
Other engineers	12,000	3,000	6,000	4,000	6,000	5,000	3,000	3,000	3,000
American Indian/Alaska Native	500	S	S	S	S	S	S	S	S
Asian	2,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	500
Black	2,000	1,000	1,000	500	1,000	2,000	500	S	S
Hispanic	2,000	500	1,000	1,000	1,000	1,000	500	S	S
White	12,000	3,000	6,000	4,000	6,000	4,000	3,000	3,000	3,000
Other	1,000	1,000	500	S	500	S	*	S	S
S&E-related occupations	48,000	21,000	25,000	22,000	19,000	19,000	17,000	14,000	12,000
American Indian/Alaska Native	3,000	1,000	2,000	1,000	500	1,000	1,000	S	S
Asian	12,000	6,000	6,000	6,000	5,000	5,000	5,000	3,000	3,000
Black	11,000	5,000	5,000	5,000	5,000	4,000	2,000	2,000	2,000
Hispanic	10,000	5,000	4,000	4,000	5,000	3,000	3,000	2,000	2,000
White	42,000	19,000	23,000	21,000	17,000	17,000	16,000	13,000	11,000
Other	7,000	3,000	5,000	3,000	3,000	2,000	2,000	1,000	1,000
Health-related occupations	32,000	18,000	20,000	18,000	16,000	16,000	15,000	10,000	9,000
American Indian/Alaska Native	2,000	1,000	500	1,000	500	1,000	S	S	S
Asian	11,000	6,000	4,000	5,000	5,000	5,000	4,000	3,000	3,000
Black	8,000	4,000	5,000	5,000	4,000	3,000	2,000	1,000	2,000
Hispanic	8,000	4,000	4,000	3,000	4,000	3,000	3,000	1,000	2,000
White	30,000	17,000	19,000	17,000	15,000	13,000	13,000	9,000	8,000
Other	6,000	3,000	4,000	3,000	2,000	1,000	2,000	1,000	1,000
S&E managers	14,000	3,000	6,000	6,000	5,000	6,000	5,000	4,000	4,000
American Indian/Alaska Native	1,000	S	S	S	S	S	S	S	S
Asian	3,000	1,000	1,000	2,000	1,000	1,000	1,000	500	500

TABLE A-20. Standard errors for employed U.S. scientists and engineers, by highest degree attained, occupation, race/ethnicity, and years since degree: 2003

Level of highest degree, occupation, and race/ethnicity ^a	Employed scientists and engineers	Years since highest degree							
		<5 years	5-9 years	10-14 years	15-19 years	20-24 years	25-29 years	30-34 years	35+ years
Black	2,000	1,000	1,000	1,000	1,000	1,000	1,000	S	S
Hispanic	2,000	1,000	1,000	1,000	1,000	*	500	S	S
White	30,000	17,000	19,000	17,000	15,000	13,000	13,000	9,000	8,000
Other	6,000	3,000	4,000	3,000	2,000	1,000	S	S	S
S&E precollege teachers	21,000	8,000	10,000	8,000	8,000	6,000	6,000	6,000	5,000
American Indian/Alaska Native	2,000	S	S	S	S	S	S	S	S
Asian	2,000	1,000	1,000	1,000	S	1,000	500	500	S
Black	5,000	2,000	2,000	2,000	1,000	1,000	1,000	1,000	1,000
Hispanic	4,000	2,000	2,000	1,000	2,000	1,000	1,000	1,000	S
White	20,000	8,000	9,000	8,000	7,000	6,000	6,000	6,000	5,000
Other	2,000	1,000	1,000	S	S	S	S	S	S
S&E technicians/technologists	15,000	6,000	7,000	5,000	6,000	6,000	4,000	4,000	2,000
American Indian/Alaska Native	1,000	*	S	S	S	S	S	S	S
Asian	5,000	2,000	3,000	1,000	2,000	1,000	1,000	1,000	1,000
Black	3,000	1,000	1,000	1,000	1,000	2,000	500	S	S
Hispanic	3,000	1,000	1,000	1,000	1,000	1,000	1,000	S	1,000
White	14,000	5,000	7,000	5,000	6,000	5,000	4,000	4,000	2,000
Other	2,000	1,000	1,000	1,000	S	S	S	S	S
Other S&E-related occupations	10,000	3,000	4,000	4,000	4,000	5,000	3,000	3,000	3,000
American Indian/Alaska Native	S	S	S	S	S	S	S	S	S
Asian	2,000	1,000	1,000	1,000	1,000	1,000	S	1,000	500
Black	2,000	S	S	S	1,000	S	S	S	S
Hispanic	2,000	1,000	1,000	S	1,000	500	500	S	S
White	10,000	2,000	4,000	3,000	4,000	5,000	3,000	3,000	3,000
Other	1,000	S	S	S	S	S	S	S	S
Non-S&E occupations	70,000	24,000	29,000	31,000	29,000	27,000	25,000	20,000	20,000
American Indian/Alaska Native	5,000	3,000	2,000	2,000	2,000	2,000	2,000	S	S
Asian	13,000	6,000	8,000	7,000	6,000	6,000	5,000	5,000	3,000
Black	16,000	6,000	9,000	7,000	6,000	7,000	5,000	4,000	2,000
Hispanic	15,000	6,000	7,000	6,000	6,000	6,000	4,000	2,000	3,000
White	63,000	22,000	28,000	29,000	26,000	24,000	24,000	20,000	19,000
Other	9,000	3,000	6,000	4,000	2,000	2,000	3,000	2,000	1,000
Art/humanities/related occupations	17,000	3,000	7,000	8,000	6,000	4,000	6,000	5,000	3,000
American Indian/Alaska Native	S	S	S	S	S	S	S	S	S
Asian	2,000	1,000	1,000	1,000	S	1,000	1,000	S	S
Black	3,000	500	S	S	S	S	S	S	S
Hispanic	4,000	1,000	1,000	3,000	1,000	S	S	S	S
White	15,000	3,000	7,000	7,000	6,000	3,000	6,000	4,000	3,000
Other	2,000	S	S	S	S	S	S	S	S
Management-related occupations	34,000	10,000	14,000	14,000	13,000	12,000	11,000	9,000	7,000
American Indian/Alaska Native	3,000	S	S	S	S	S	2,000	S	S
Asian	8,000	3,000	4,000	3,000	3,000	3,000	2,000	3,000	1,000
Black	7,000	3,000	4,000	3,000	3,000	2,000	3,000	1,000	1,000
Hispanic	6,000	3,000	3,000	3,000	2,000	2,000	2,000	1,000	S
White	32,000	9,000	12,000	12,000	12,000	11,000	10,000	8,000	7,000
Other	3,000	1,000	2,000	1,000	S	1,000	1,000	S	S
Non-S&E managers	26,000	6,000	9,000	10,000	11,000	10,000	10,000	7,000	7,000
American Indian/Alaska Native	1,000	500	S	S	S	S	S	S	S
Asian	4,000	2,000	1,000	2,000	2,000	1,000	2,000	1,000	1,000
Black	5,000	2,000	2,000	2,000	2,000	2,000	2,000	1,000	S
Hispanic	4,000	1,000	2,000	2,000	2,000	1,000	1,000	500	1,000

TABLE A-20. Standard errors for employed U.S. scientists and engineers, by highest degree attained, occupation, race/ethnicity, and years since degree: 2003

Level of highest degree, occupation, and race/ethnicity ^a	Employed scientists and engineers	Years since highest degree							
		<5 years	5-9 years	10-14 years	15-19 years	20-24 years	25-29 years	30-34 years	35+ years
White	24,000	5,000	8,000	10,000	10,000	10,000	9,000	6,000	7,000
Other	2,000	S	S	1,000	S	500	S	500	S
Non-S&E postsecondary teachers	7,000	4,000	3,000	2,000	2,000	1,000	3,000	2,000	1,000
American Indian/Alaska Native	1,000	S	S	S	S	S	S	S	S
Asian	1,000	1,000	500	500	500	500	S	1,000	S
Black	1,000	1,000	1,000	500	*	500	500	500	S
Hispanic	2,000	2,000	1,000	500	500	500	500	S	S
White	7,000	4,000	3,000	2,000	2,000	1,000	3,000	1,000	1,000
Other	1,000	S	*	S	*	S	S	S	S
Non-S&E precollege/other teachers	21,000	9,000	10,000	9,000	9,000	9,000	8,000	6,000	5,000
American Indian/Alaska Native	1,000	1,000	S	S	S	S	S	S	S
Asian	3,000	1,000	1,000	2,000	1,000	1,000	1,000	S	S
Black	6,000	2,000	3,000	1,000	2,000	2,000	2,000	1,000	1,000
Hispanic	5,000	2,000	2,000	2,000	1,000	2,000	1,000	S	S
White	21,000	8,000	9,000	8,000	9,000	9,000	7,000	5,000	5,000
Other	2,000	1,000	S	1,000	500	S	S	S	S
Sales/marketing occupations	32,000	10,000	17,000	14,000	11,000	12,000	10,000	11,000	9,000
American Indian/Alaska Native	2,000	1,000	S	S	S	S	S	S	S
Asian	8,000	2,000	4,000	3,000	3,000	2,000	3,000	2,000	2,000
Black	5,000	2,000	2,000	3,000	2,000	3,000	2,000	2,000	S
Hispanic	5,000	2,000	2,000	2,000	2,000	2,000	2,000	1,000	1,000
White	29,000	9,000	15,000	12,000	10,000	11,000	10,000	11,000	9,000
Other	5,000	500	5,000	2,000	S	S	S	S	1,000
Social services/related occupations	17,000	9,000	8,000	8,000	6,000	5,000	4,000	4,000	3,000
American Indian/Alaska Native	2,000	2,000	500	S	S	S	S	S	S
Asian	3,000	1,000	1,000	1,000	1,000	1,000	1,000	S	S
Black	6,000	3,000	3,000	2,000	2,000	1,000	1,000	1,000	1,000
Hispanic	4,000	2,000	2,000	2,000	1,000	2,000	1,000	S	S
White	15,000	8,000	7,000	7,000	6,000	5,000	4,000	4,000	3,000
Other	2,000	1,000	1,000	1,000	1,000	S	S	S	S
Other non-S&E occupations	41,000	15,000	18,000	17,000	17,000	17,000	16,000	12,000	11,000
American Indian/Alaska Native	2,000	1,000	S	S	S	S	S	S	S
Asian	9,000	4,000	4,000	5,000	4,000	4,000	4,000	3,000	3,000
Black	10,000	3,000	5,000	3,000	4,000	4,000	3,000	2,000	1,000
Hispanic	9,000	3,000	5,000	4,000	4,000	3,000	2,000	1,000	1,000
White	37,000	13,000	17,000	16,000	15,000	15,000	15,000	12,000	11,000
Other	5,000	2,000	3,000	2,000	2,000	1,000	2,000	1,000	S
Bachelor's degrees, all occupations	69,000	23,000	36,000	29,000	31,000	30,000	27,000	24,000	19,000
American Indian/Alaska Native	5,000	3,000	3,000	2,000	2,000	2,000	1,000	1,000	S
Asian	18,000	5,000	9,000	8,000	8,000	8,000	7,000	5,000	4,000
Black	16,000	6,000	8,000	7,000	7,000	7,000	5,000	4,000	2,000
Hispanic	15,000	6,000	8,000	7,000	6,000	7,000	5,000	2,000	3,000
White	64,000	21,000	33,000	27,000	27,000	28,000	25,000	23,000	17,000
Other	10,000	4,000	6,000	5,000	3,000	2,000	3,000	2,000	1,000
S&E occupations	32,000	12,000	16,000	14,000	14,000	10,000	10,000	7,000	6,000
American Indian/Alaska Native	2,000	500	1,000	500	2,000	500	S	S	S
Asian	8,000	4,000	4,000	4,000	2,000	3,000	2,000	1,000	1,000
Black	6,000	3,000	3,000	3,000	3,000	3,000	2,000	1,000	1,000
Hispanic	6,000	2,000	4,000	3,000	2,000	3,000	1,000	1,000	1,000
White	30,000	11,000	14,000	12,000	13,000	10,000	9,000	7,000	6,000
Other	5,000	2,000	3,000	2,000	1,000	1,000	1,000	1,000	500

TABLE A-20. Standard errors for employed U.S. scientists and engineers, by highest degree attained, occupation, race/ethnicity, and years since degree: 2003

Level of highest degree, occupation, and race/ethnicity ^a	Employed scientists and engineers	Years since highest degree							
		<5 years	5-9 years	10-14 years	15-19 years	20-24 years	25-29 years	30-34 years	35+ years
Scientists	27,000	12,000	14,000	12,000	12,000	9,000	8,000	6,000	5,000
American Indian/Alaska Native	2,000	500	1,000	500	S	S	S	S	S
Asian	7,000	4,000	3,000	3,000	2,000	2,000	1,000	1,000	1,000
Black	5,000	3,000	3,000	3,000	2,000	2,000	1,000	1,000	1,000
Hispanic	5,000	2,000	3,000	2,000	1,000	2,000	1,000	1,000	500
White	25,000	11,000	12,000	11,000	11,000	8,000	7,000	6,000	5,000
Other	3,000	2,000	2,000	1,000	1,000	1,000	1,000	500	S
Biological/agricultural/other life scientists	9,000	4,000	4,000	2,000	4,000	5,000	3,000	2,000	1,000
American Indian/Alaska Native	1,000	S	S	S	S	S	S	S	S
Asian	2,000	2,000	1,000	S	1,000	S	1,000	S	S
Black	1,000	1,000	S	S	S	500	S	S	S
Hispanic	2,000	500	1,000	1,000	S	S	S	S	S
White	8,000	3,000	3,000	2,000	3,000	5,000	3,000	2,000	1,000
Other	1,000	1,000	1,000	S	S	S	S	S	S
Agricultural/food scientists	3,000	1,000	2,000	1,000	1,000	2,000	1,000	1,000	1,000
American Indian/Alaska Native	S	S	S	S	S	S	S	S	S
Asian	1,000	S	S	S	S	S	S	S	S
Black	S	S	S	S	S	S	S	S	S
Hispanic	S	S	S	S	S	S	S	S	S
White	3,000	1,000	2,000	500	1,000	2,000	1,000	1,000	1,000
Other	S	S	S	S	S	S	S	S	S
Biological/medical scientists	7,000	3,000	3,000	2,000	3,000	4,000	2,000	1,000	1,000
American Indian/Alaska Native	1,000	S	S	S	S	S	S	S	S
Asian	2,000	2,000	1,000	S	1,000	S	500	S	S
Black	1,000	1,000	S	S	S	S	S	S	S
Hispanic	1,000	500	1,000	S	S	S	S	S	S
White	7,000	3,000	3,000	2,000	3,000	4,000	2,000	1,000	1,000
Other	1,000	1,000	1,000	S	S	S	S	S	S
Environmental life scientists	4,000	1,000	1,000	1,000	2,000	2,000	2,000	2,000	1,000
American Indian/Alaska Native	S	S	S	S	S	S	S	S	S
Asian	S	S	S	S	S	S	S	S	S
Black	S	S	S	S	S	S	S	S	S
Hispanic	500	S	S	S	S	S	S	S	S
White	4,000	1,000	500	1,000	2,000	2,000	2,000	2,000	1,000
Other	S	S	S	S	S	S	S	S	S
Postsecondary teachers-life/related sciences	2,000	1,000	1,000	S	S	S	S	S	S
American Indian/Alaska Native	S	S	S	S	S	S	S	S	S
Asian	S	S	S	S	S	S	S	S	S
Black	S	S	S	S	S	S	S	S	S
Hispanic	S	S	S	S	S	S	S	S	S
White	1,000	1,000	1,000	S	S	S	S	S	S
Other	S	S	S	S	S	S	S	S	S
Computer/mathematical scientists	24,000	8,000	12,000	11,000	11,000	7,000	7,000	4,000	4,000
American Indian/Alaska Native	1,000	S	1,000	S	S	S	S	S	S
Asian	6,000	3,000	3,000	3,000	2,000	2,000	1,000	1,000	1,000
Black	5,000	2,000	3,000	3,000	2,000	1,000	1,000	500	S
Hispanic	4,000	2,000	3,000	2,000	1,000	2,000	1,000	1,000	500
White	23,000	7,000	10,000	10,000	10,000	7,000	6,000	4,000	4,000
Other	2,000	1,000	2,000	1,000	1,000	1,000	1,000	S	S
Computer/information scientists	23,000	8,000	12,000	11,000	11,000	7,000	6,000	4,000	4,000
American Indian/Alaska Native	1,000	S	1,000	S	S	S	S	S	S

TABLE A-20. Standard errors for employed U.S. scientists and engineers, by highest degree attained, occupation, race/ethnicity, and years since degree: 2003

Level of highest degree, occupation, and race/ethnicity ^a	Employed scientists and engineers	Years since highest degree							
		<5 years	5-9 years	10-14 years	15-19 years	20-24 years	25-29 years	30-34 years	35+ years
Black	3,000	500	1,000	1,000	1,000	2,000	500	S	S
Hispanic	3,000	1,000	1,000	1,000	1,000	1,000	S	S	1,000
White	13,000	4,000	6,000	5,000	5,000	5,000	4,000	3,000	2,000
Other	2,000	1,000	1,000	500	S	S	S	S	S
Other S&E-related occupations	9,000	2,000	4,000	3,000	3,000	4,000	3,000	3,000	2,000
American Indian/Alaska Native	S	S	S	S	S	S	S	S	S
Asian	2,000	500	1,000	1,000	1,000	1,000	S	S	S
Black	1,000	S	S	S	1,000	S	S	S	S
Hispanic	2,000	1,000	1,000	S	1,000	S	500	S	S
White	8,000	2,000	3,000	3,000	3,000	3,000	3,000	3,000	2,000
Other	1,000	S	S	S	S	S	S	S	S
Non-S&E occupations	58,000	16,000	23,000	25,000	24,000	23,000	22,000	18,000	17,000
American Indian/Alaska Native	4,000	2,000	2,000	2,000	1,000	2,000	1,000	S	S
Asian	12,000	4,000	7,000	6,000	5,000	5,000	5,000	4,000	3,000
Black	14,000	4,000	6,000	5,000	5,000	5,000	4,000	4,000	2,000
Hispanic	12,000	4,000	7,000	6,000	5,000	5,000	3,000	2,000	3,000
White	53,000	14,000	22,000	23,000	21,000	21,000	20,000	18,000	16,000
Other	6,000	2,000	3,000	4,000	2,000	2,000	3,000	1,000	1,000
Art/humanities/related occupations	14,000	3,000	5,000	7,000	5,000	4,000	6,000	3,000	2,000
American Indian/Alaska Native	S	S	S	S	S	S	S	S	S
Asian	2,000	S	S	1,000	S	S	S	S	S
Black	2,000	500	S	S	S	S	S	S	S
Hispanic	4,000	1,000	1,000	S	S	S	S	S	S
White	12,000	3,000	4,000	6,000	5,000	3,000	6,000	3,000	2,000
Other	2,000	S	S	S	S	S	S	S	S
Management-related occupations	28,000	7,000	12,000	10,000	11,000	11,000	9,000	8,000	6,000
American Indian/Alaska Native	2,000	S	S	S	S	S	S	S	S
Asian	6,000	1,000	3,000	3,000	2,000	2,000	1,000	3,000	1,000
Black	5,000	2,000	3,000	3,000	2,000	2,000	2,000	1,000	1,000
Hispanic	5,000	2,000	2,000	2,000	2,000	1,000	2,000	S	S
White	26,000	6,000	11,000	9,000	10,000	10,000	8,000	8,000	5,000
Other	3,000	1,000	2,000	S	S	1,000	1,000	S	S
Non-S&E managers	21,000	1,000	6,000	8,000	9,000	8,000	8,000	6,000	6,000
American Indian/Alaska Native	S	S	S	S	S	S	S	S	S
Asian	3,000	S	1,000	2,000	1,000	1,000	1,000	S	S
Black	3,000	*	2,000	1,000	1,000	1,000	S	1,000	S
Hispanic	3,000	S	2,000	1,000	1,000	1,000	1,000	S	1,000
White	20,000	1,000	6,000	8,000	9,000	8,000	8,000	6,000	6,000
Other	1,000	S	S	S	S	S	S	S	S
Non-S&E postsecondary teachers	3,000	2,000	2,000	2,000	500	500	1,000	1,000	S
American Indian/Alaska Native	S	S	S	S	S	S	S	S	S
Asian	1,000	S	S	S	S	S	S	S	S
Black	1,000	*	S	S	S	S	S	S	S
Hispanic	1,000	500	S	S	S	S	S	S	S
White	3,000	1,000	2,000	2,000	S	500	S	1,000	S
Other	S	S	S	S	S	S	S	S	S
Non-S&E precollege/other teachers	17,000	5,000	7,000	8,000	7,000	7,000	6,000	4,000	5,000
American Indian/Alaska Native	500	500	S	S	S	S	S	S	S
Asian	3,000	1,000	1,000	S	S	S	S	S	S
Black	4,000	1,000	2,000	1,000	1,000	2,000	1,000	S	1,000
Hispanic	3,000	1,000	2,000	2,000	1,000	1,000	S	S	S

TABLE A-20. Standard errors for employed U.S. scientists and engineers, by highest degree attained, occupation, race/ethnicity, and years since degree: 2003

Level of highest degree, occupation, and race/ethnicity ^a	Employed scientists and engineers	Years since highest degree							
		<5 years	5-9 years	10-14 years	15-19 years	20-24 years	25-29 years	30-34 years	35+ years
White	16,000	4,000	6,000	7,000	7,000	6,000	6,000	4,000	5,000
Other	2,000	1,000	S	S	S	S	S	S	S
Sales/marketing occupations	28,000	8,000	14,000	12,000	10,000	10,000	10,000	10,000	9,000
American Indian/Alaska Native	1,000	S	S	S	S	S	S	S	S
Asian	7,000	2,000	4,000	2,000	3,000	2,000	2,000	2,000	2,000
Black	5,000	1,000	1,000	3,000	2,000	3,000	1,000	2,000	S
Hispanic	4,000	1,000	2,000	2,000	1,000	2,000	2,000	1,000	S
White	26,000	7,000	13,000	10,000	9,000	9,000	9,000	10,000	8,000
Other	3,000	500	2,000	S	S	S	S	S	S
Social services/related occupations	12,000	6,000	6,000	5,000	4,000	3,000	3,000	3,000	2,000
American Indian/Alaska Native	2,000	S	S	S	S	S	S	S	S
Asian	2,000	1,000	S	S	S	S	S	S	S
Black	5,000	2,000	3,000	2,000	1,000	1,000	1,000	S	S
Hispanic	3,000	2,000	1,000	1,000	1,000	1,000	1,000	S	S
White	10,000	4,000	5,000	4,000	4,000	3,000	3,000	2,000	2,000
Other	1,000	500	S	S	S	S	S	S	S
Other non-S&E occupations	36,000	11,000	15,000	14,000	14,000	14,000	14,000	11,000	10,000
American Indian/Alaska Native	2,000	1,000	S	S	S	S	S	S	S
Asian	8,000	3,000	4,000	5,000	4,000	4,000	3,000	3,000	2,000
Black	9,000	3,000	4,000	3,000	4,000	3,000	3,000	2,000	1,000
Hispanic	7,000	3,000	4,000	4,000	3,000	3,000	2,000	1,000	1,000
White	34,000	10,000	14,000	13,000	13,000	12,000	13,000	10,000	9,000
Other	4,000	2,000	2,000	2,000	2,000	1,000	2,000	1,000	S
Master's degrees, all occupations	47,000	23,000	22,000	20,000	18,000	16,000	15,000	12,000	10,000
American Indian/Alaska Native	3,000	1,000	1,000	1,000	1,000	S	2,000	S	S
Asian	11,000	7,000	6,000	5,000	4,000	4,000	3,000	3,000	1,000
Black	11,000	7,000	6,000	4,000	3,000	3,000	3,000	2,000	1,000
Hispanic	9,000	5,000	4,000	4,000	4,000	3,000	3,000	1,000	1,000
White	39,000	20,000	20,000	18,000	16,000	15,000	14,000	12,000	10,000
Other	6,000	3,000	5,000	1,000	1,000	1,000	1,000	1,000	500
S&E occupations	20,000	11,000	9,000	8,000	9,000	6,000	5,000	5,000	4,000
American Indian/Alaska Native	1,000	500	S	S	S	S	S	S	S
Asian	8,000	6,000	3,000	3,000	2,000	1,000	2,000	1,000	1,000
Black	3,000	2,000	2,000	1,000	1,000	1,000	1,000	500	500
Hispanic	3,000	2,000	2,000	1,000	1,000	1,000	500	500	1,000
White	18,000	9,000	8,000	8,000	9,000	6,000	5,000	5,000	4,000
Other	2,000	1,000	1,000	1,000	1,000	500	1,000	S	500
Scientists	18,000	10,000	7,000	8,000	7,000	5,000	4,000	4,000	3,000
American Indian/Alaska Native	1,000	500	S	S	S	S	S	S	S
Asian	7,000	5,000	3,000	3,000	2,000	1,000	1,000	1,000	500
Black	3,000	2,000	2,000	1,000	1,000	1,000	1,000	500	S
Hispanic	3,000	2,000	1,000	1,000	1,000	1,000	500	500	S
White	16,000	8,000	6,000	7,000	7,000	5,000	4,000	4,000	2,000
Other	2,000	1,000	1,000	1,000	1,000	500	500	S	S
Biological/agricultural/other life scientists	5,000	3,000	2,000	2,000	2,000	2,000	2,000	1,000	1,000
American Indian/Alaska Native	S	S	S	S	S	S	S	S	S
Asian	2,000	1,000	1,000	500	500	S	S	S	S
Black	500	500	S	S	S	S	S	S	S
Hispanic	1,000	500	S	500	S	S	S	S	S
White	5,000	3,000	2,000	2,000	2,000	2,000	1,000	1,000	500
Other	1,000	500	S	S	S	S	S	S	S

TABLE A-20. Standard errors for employed U.S. scientists and engineers, by highest degree attained, occupation, race/ethnicity, and years since degree: 2003

Level of highest degree, occupation, and race/ethnicity ^a	Employed scientists and engineers	Years since highest degree							
		<5 years	5-9 years	10-14 years	15-19 years	20-24 years	25-29 years	30-34 years	35+ years
Agricultural/food scientists	2,000	500	1,000	500	1,000	500	1,000	S	S
American Indian/Alaska Native	S	S	S	S	S	S	S	S	S
Asian	1,000	S	S	S	S	S	S	S	S
Black	*	S	S	S	S	S	S	S	S
Hispanic	S	S	S	S	S	S	S	S	S
White	2,000	500	1,000	S	1,000	500	S	S	S
Other	S	S	S	S	S	S	S	S	S
Biological/medical scientists	4,000	3,000	2,000	2,000	1,000	1,000	1,000	1,000	1,000
American Indian/Alaska Native	S	S	S	S	S	S	S	S	S
Asian	1,000	1,000	1,000	500	500	S	S	S	S
Black	500	500	S	S	S	S	S	S	S
Hispanic	1,000	500	S	500	S	S	S	S	S
White	4,000	2,000	1,000	1,000	1,000	1,000	1,000	S	S
Other	500	S	S	S	S	S	S	S	S
Environmental life scientists	2,000	1,000	1,000	S	500	S	S	S	S
American Indian/Alaska Native	S	S	S	S	S	S	S	S	S
Asian	S	S	S	S	S	S	S	S	S
Black	S	S	S	S	S	S	S	S	S
Hispanic	S	S	S	S	S	S	S	S	S
White	2,000	1,000	1,000	S	500	S	S	S	S
Other	S	S	S	S	S	S	S	S	S
Postsecondary teachers-life/related sciences	2,000	1,000	1,000	500	S	S	1,000	500	S
American Indian/Alaska Native	S	S	S	S	S	S	S	S	S
Asian	S	S	S	S	S	S	S	S	S
Black	S	S	S	S	S	S	S	S	S
Hispanic	S	S	S	S	S	S	S	S	S
White	2,000	1,000	1,000	500	S	S	1,000	500	S
Other	500	S	S	S	S	S	S	S	S
Computer/mathematical scientists	14,000	8,000	5,000	6,000	5,000	4,000	3,000	4,000	1,000
American Indian/Alaska Native	500	*	S	S	S	S	S	S	S
Asian	6,000	5,000	3,000	3,000	2,000	1,000	1,000	1,000	S
Black	3,000	2,000	1,000	1,000	1,000	1,000	500	S	S
Hispanic	2,000	2,000	1,000	1,000	500	500	S	S	S
White	12,000	5,000	5,000	5,000	5,000	3,000	3,000	4,000	1,000
Other	1,000	1,000	1,000	500	1,000	S	S	S	S
Computer/information scientists	13,000	7,000	5,000	5,000	5,000	3,000	3,000	3,000	1,000
American Indian/Alaska Native	500	S	S	S	S	S	S	S	S
Asian	6,000	5,000	3,000	3,000	2,000	1,000	1,000	1,000	S
Black	3,000	2,000	1,000	1,000	1,000	1,000	500	S	S
Hispanic	2,000	2,000	1,000	1,000	500	500	S	S	S
White	11,000	5,000	5,000	5,000	5,000	3,000	3,000	3,000	1,000
Other	1,000	1,000	1,000	500	S	S	S	S	S
Mathematical scientists	3,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	S
American Indian/Alaska Native	S	S	S	S	S	S	S	S	S
Asian	1,000	500	500	S	S	S	S	S	S
Black	1,000	1,000	S	S	S	S	S	S	S
Hispanic	500	*	S	S	S	S	S	S	S
White	2,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	S
Other	S	S	S	S	S	S	S	S	S
Postsecondary teachers-computer/mathematics/science	3,000	1,000	2,000	1,000	1,000	1,000	2,000	1,000	1,000

TABLE A-20. Standard errors for employed U.S. scientists and engineers, by highest degree attained, occupation, race/ethnicity, and years since degree: 2003

Level of highest degree, occupation, and race/ethnicity ^a	Employed scientists and engineers	Years since highest degree							
		<5 years	5-9 years	10-14 years	15-19 years	20-24 years	25-29 years	30-34 years	35+ years
American Indian/Alaska Native	S	S	S	S	S	S	S	S	S
Asian	1,000	1,000	500	500	S	S	S	S	S
Black	1,000	*	S	S	S	S	S	S	S
Hispanic	1,000	*	S	S	S	S	S	S	S
White	3,000	1,000	1,000	1,000	1,000	1,000	2,000	1,000	1,000
Other	S	S	S	S	S	S	S	S	S
Physical/related scientists	5,000	2,000	2,000	3,000	2,000	1,000	1,000	1,000	1,000
American Indian/Alaska Native	S	S	S	S	S	S	S	S	S
Asian	1,000	1,000	1,000	500	S	500	S	S	S
Black	500	500	S	S	S	S	S	S	S
Hispanic	1,000	500	S	500	S	S	S	S	S
White	5,000	2,000	2,000	3,000	2,000	1,000	1,000	1,000	1,000
Other	500	*	S	S	S	S	S	S	S
Chemists, except biochemists	3,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	500
American Indian/Alaska Native	S	S	S	S	S	S	S	S	S
Asian	1,000	1,000	1,000	500	S	S	S	S	S
Black	500	500	S	S	S	S	S	S	S
Hispanic	500	*	S	S	S	S	S	S	S
White	2,000	1,000	1,000	1,000	1,000	1,000	500	1,000	S
Other	S	S	S	S	S	S	S	S	S
Earth/atmospheric/ocean scientists	3,000	1,000	1,000	3,000	1,000	1,000	500	500	1,000
American Indian/Alaska Native	S	S	S	S	S	S	S	S	S
Asian	S	S	S	S	S	S	S	S	S
Black	S	S	S	S	S	S	S	S	S
Hispanic	500	*	S	S	S	S	S	S	S
White	3,000	1,000	1,000	3,000	1,000	1,000	500	500	1,000
Other	500	S	S	S	S	S	S	S	S
Physicists/astronomers	1,000	1,000	500	S	S	1,000	S	S	S
American Indian/Alaska Native	S	S	S	S	S	S	S	S	S
Asian	500	500	S	S	S	S	S	S	S
Black	S	S	S	S	S	S	S	S	S
Hispanic	S	S	S	S	S	S	S	S	S
White	1,000	1,000	500	S	S	1,000	S	S	S
Other	S	S	S	S	S	S	S	S	S
Postsecondary teachers-physical/related sciences	2,000	1,000	1,000	1,000	S	S	500	500	1,000
American Indian/Alaska Native	S	S	S	S	S	S	S	S	S
Asian	1,000	1,000	S	S	S	S	S	S	S
Black	*	*	S	S	S	S	S	S	S
Hispanic	*	*	S	S	S	S	S	S	S
White	2,000	500	1,000	1,000	S	S	500	500	S
Other	S	S	S	S	S	S	S	S	S
Other physical/related scientists	1,000	1,000	1,000	1,000	1,000	S	S	S	S
American Indian/Alaska Native	S	S	S	S	S	S	S	S	S
Asian	S	S	S	S	S	S	S	S	S
Black	S	S	S	S	S	S	S	S	S
Hispanic	500	S	S	S	S	S	S	S	S
White	1,000	1,000	1,000	S	1,000	S	S	S	S
Other	S	S	S	S	S	S	S	S	S
Social/related scientists	10,000	5,000	4,000	4,000	3,000	3,000	2,000	2,000	1,000
American Indian/Alaska Native	1,000	S	S	S	S	S	S	S	S
Asian	2,000	1,000	1,000	1,000	S	S	S	S	S

TABLE A-20. Standard errors for employed U.S. scientists and engineers, by highest degree attained, occupation, race/ethnicity, and years since degree: 2003

Level of highest degree, occupation, and race/ethnicity ^a	Employed scientists and engineers	Years since highest degree							
		<5 years	5-9 years	10-14 years	15-19 years	20-24 years	25-29 years	30-34 years	35+ years
Black	2,000	1,000	2,000	S	S	S	1,000	S	S
Hispanic	1,000	1,000	1,000	1,000	S	S	S	S	S
White	9,000	5,000	3,000	4,000	3,000	3,000	2,000	2,000	1,000
Other	1,000	1,000	500	S	S	S	S	S	S
Economists	3,000	1,000	1,000	2,000	500	1,000	1,000	1,000	S
American Indian/Alaska Native	S	S	S	S	S	S	S	S	S
Asian	1,000	1,000	S	S	S	S	S	S	S
Black	500	S	S	S	S	S	S	S	S
Hispanic	S	S	S	S	S	S	S	S	S
White	3,000	1,000	1,000	2,000	500	1,000	1,000	1,000	S
Other	S	S	S	S	S	S	S	S	S
Political/related scientists	1,000	500	S	S	S	S	S	S	S
American Indian/Alaska Native	S	S	S	S	S	S	S	S	S
Asian	S	S	S	S	S	S	S	S	S
Black	S	S	S	S	S	S	S	S	S
Hispanic	S	S	S	S	S	S	S	S	S
White	1,000	500	S	S	S	S	S	S	S
Other	S	S	S	S	S	S	S	S	S
Postsecondary teachers-social/related sciences	2,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	500
American Indian/Alaska Native	S	S	S	S	S	S	S	S	S
Asian	1,000	1,000	S	S	S	S	S	S	S
Black	500	500	S	S	S	S	S	S	S
Hispanic	500	*	S	S	S	S	S	S	S
White	2,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	500
Other	500	S	S	S	S	S	S	S	S
Psychologists	6,000	3,000	3,000	2,000	2,000	2,000	1,000	1,000	1,000
American Indian/Alaska Native	S	S	S	S	S	S	S	S	S
Asian	1,000	1,000	S	S	S	S	S	S	S
Black	2,000	500	2,000	S	S	S	S	S	S
Hispanic	1,000	1,000	S	1,000	S	S	S	S	S
White	5,000	3,000	3,000	2,000	2,000	2,000	1,000	1,000	1,000
Other	500	S	500	S	S	S	S	S	S
Sociologists/anthropologists	2,000	1,000	1,000	S	S	1,000	S	S	S
American Indian/Alaska Native	S	S	S	S	S	S	S	S	S
Asian	S	S	S	S	S	S	S	S	S
Black	S	S	S	S	S	S	S	S	S
Hispanic	S	S	S	S	S	S	S	S	S
White	2,000	1,000	500	S	S	S	S	S	S
Other	S	S	S	S	S	S	S	S	S
Other social/related scientists	6,000	3,000	2,000	2,000	3,000	2,000	1,000	1,000	S
American Indian/Alaska Native	S	S	S	S	S	S	S	S	S
Asian	1,000	1,000	S	1,000	S	S	S	S	S
Black	1,000	S	S	S	S	S	S	S	S
Hispanic	1,000	500	S	S	S	S	S	S	S
White	5,000	3,000	1,000	2,000	3,000	2,000	S	1,000	S
Other	S	S	S	S	S	S	S	S	S
Engineers	9,000	4,000	5,000	3,000	5,000	4,000	3,000	2,000	3,000
American Indian/Alaska Native	S	S	S	S	S	S	S	S	S
Asian	3,000	2,000	2,000	1,000	1,000	1,000	1,000	1,000	1,000
Black	1,000	1,000	1,000	1,000	500	500	S	S	S
Hispanic	2,000	1,000	1,000	1,000	1,000	500	500	S	S

TABLE A-20. Standard errors for employed U.S. scientists and engineers, by highest degree attained, occupation, race/ethnicity, and years since degree: 2003

Level of highest degree, occupation, and race/ethnicity ^a	Employed scientists and engineers	Years since highest degree							
		<5 years	5-9 years	10-14 years	15-19 years	20-24 years	25-29 years	30-34 years	35+ years
Other engineers	6,000	2,000	2,000	2,000	4,000	2,000	2,000	2,000	1,000
American Indian/Alaska Native	S	S	S	S	S	S	S	S	S
Asian	1,000	1,000	1,000	1,000	500	S	S	1,000	S
Black	1,000	500	500	S	S	S	S	S	S
Hispanic	1,000	500	500	500	S	S	S	S	S
White	6,000	2,000	2,000	1,000	4,000	2,000	2,000	1,000	1,000
Other	*	S	S	S	S	S	S	S	S
S&E-related occupations	23,000	12,000	12,000	10,000	9,000	8,000	8,000	5,000	4,000
American Indian/Alaska Native	1,000	500	S	S	S	S	S	S	S
Asian	6,000	3,000	3,000	2,000	2,000	2,000	1,000	1,000	1,000
Black	5,000	3,000	2,000	2,000	2,000	2,000	1,000	1,000	S
Hispanic	4,000	3,000	1,000	2,000	2,000	1,000	1,000	1,000	S
White	21,000	12,000	12,000	9,000	9,000	8,000	7,000	5,000	4,000
Other	3,000	2,000	1,000	1,000	1,000	1,000	500	S	S
Health-related occupations	16,000	9,000	9,000	8,000	8,000	6,000	5,000	3,000	2,000
American Indian/Alaska Native	1,000	S	S	S	S	S	S	S	S
Asian	5,000	3,000	1,000	2,000	2,000	2,000	1,000	1,000	1,000
Black	3,000	3,000	2,000	2,000	1,000	1,000	S	S	S
Hispanic	3,000	2,000	1,000	2,000	2,000	S	S	S	S
White	14,000	8,000	9,000	7,000	7,000	5,000	5,000	3,000	2,000
Other	2,000	2,000	S	S	S	S	S	S	S
S&E managers	7,000	2,000	3,000	3,000	3,000	3,000	2,000	2,000	1,000
American Indian/Alaska Native	S	S	S	S	S	S	S	S	S
Asian	2,000	1,000	1,000	1,000	1,000	500	S	S	S
Black	1,000	500	S	500	S	S	S	S	S
Hispanic	1,000	1,000	S	1,000	S	S	S	S	S
White	14,000	8,000	9,000	7,000	7,000	5,000	5,000	3,000	2,000
Other	2,000	S	S	S	S	S	S	S	S
S&E precollege teachers	12,000	7,000	6,000	5,000	4,000	4,000	4,000	3,000	2,000
American Indian/Alaska Native	S	S	S	S	S	S	S	S	S
Asian	1,000	1,000	1,000	500	S	S	500	S	S
Black	4,000	2,000	1,000	2,000	1,000	1,000	1,000	1,000	S
Hispanic	2,000	2,000	1,000	1,000	500	S	S	S	S
White	12,000	7,000	6,000	5,000	4,000	4,000	3,000	3,000	2,000
Other	2,000	1,000	S	S	S	S	S	S	S
S&E technicians/technologists	6,000	3,000	3,000	2,000	3,000	2,000	1,000	2,000	1,000
American Indian/Alaska Native	S	S	S	S	S	S	S	S	S
Asian	3,000	1,000	2,000	1,000	1,000	1,000	1,000	S	S
Black	1,000	500	500	S	S	S	S	S	S
Hispanic	1,000	500	500	S	S	S	S	S	S
White	5,000	2,000	2,000	1,000	3,000	1,000	1,000	2,000	1,000
Other	S	S	S	S	S	S	S	S	S
Other S&E-related occupations	5,000	2,000	2,000	2,000	2,000	3,000	2,000	1,000	3,000
American Indian/Alaska Native	S	S	S	S	S	S	S	S	S
Asian	1,000	500	1,000	S	S	S	S	S	S
Black	1,000	S	S	S	S	S	S	S	S
Hispanic	1,000	S	S	S	S	S	S	S	S
White	5,000	2,000	2,000	2,000	2,000	3,000	1,000	1,000	3,000
Other	S	S	S	S	S	S	S	S	S
Non-S&E occupations	38,000	17,000	18,000	16,000	14,000	13,000	12,000	10,000	7,000
American Indian/Alaska Native	3,000	1,000	1,000	1,000	S	S	2,000	S	S
Asian	7,000	4,000	4,000	3,000	3,000	3,000	3,000	2,000	1,000

TABLE A-20. Standard errors for employed U.S. scientists and engineers, by highest degree attained, occupation, race/ethnicity, and years since degree: 2003

Level of highest degree, occupation, and race/ethnicity ^a	Employed scientists and engineers	Years since highest degree							
		<5 years	5-9 years	10-14 years	15-19 years	20-24 years	25-29 years	30-34 years	35+ years
Black	10,000	5,000	5,000	4,000	3,000	3,000	3,000	2,000	1,000
Hispanic	7,000	3,000	3,000	3,000	3,000	3,000	2,000	1,000	500
White	32,000	15,000	16,000	15,000	13,000	12,000	11,000	9,000	7,000
Other	6,000	2,000	5,000	1,000	1,000	1,000	1,000	1,000	S
Art/humanities/related occupations	8,000	2,000	5,000	4,000	3,000	2,000	2,000	3,000	2,000
American Indian/Alaska Native	S	S	S	S	S	S	S	S	S
Asian	1,000	S	S	S	S	S	S	S	S
Black	2,000	*	S	S	S	S	S	S	S
Hispanic	1,000	1,000	S	S	S	S	S	S	S
White	8,000	2,000	5,000	4,000	3,000	2,000	2,000	3,000	2,000
Other	S	S	S	S	S	S	S	S	S
Management-related occupations	16,000	7,000	8,000	8,000	7,000	6,000	7,000	5,000	4,000
American Indian/Alaska Native	2,000	S	S	S	S	S	S	S	S
Asian	5,000	3,000	3,000	1,000	2,000	2,000	2,000	1,000	S
Black	4,000	2,000	3,000	2,000	2,000	S	2,000	S	S
Hispanic	3,000	2,000	1,000	2,000	2,000	S	S	S	S
White	14,000	6,000	6,000	7,000	6,000	5,000	6,000	4,000	4,000
Other	2,000	1,000	1,000	S	S	S	S	S	S
Non-S&E managers	13,000	5,000	6,000	6,000	5,000	6,000	5,000	3,000	3,000
American Indian/Alaska Native	1,000	S	S	S	S	S	S	S	S
Asian	2,000	1,000	1,000	1,000	1,000	1,000	1,000	S	S
Black	3,000	2,000	2,000	1,000	1,000	1,000	1,000	500	S
Hispanic	2,000	1,000	1,000	1,000	1,000	1,000	1,000	S	S
White	13,000	5,000	5,000	6,000	5,000	5,000	5,000	3,000	3,000
Other	2,000	S	S	S	S	S	S	S	S
Non-S&E postsecondary teachers	6,000	4,000	2,000	2,000	2,000	1,000	3,000	1,000	1,000
American Indian/Alaska Native	S	S	S	S	S	S	S	S	S
Asian	1,000	500	S	S	S	S	S	S	S
Black	1,000	500	S	S	S	S	S	S	S
Hispanic	2,000	1,000	S	S	S	S	S	S	S
White	5,000	4,000	1,000	1,000	2,000	1,000	3,000	1,000	1,000
Other	500	S	S	S	S	S	S	S	S
Non-S&E precollege/other teachers	14,000	8,000	7,000	5,000	6,000	5,000	5,000	3,000	2,000
American Indian/Alaska Native	S	S	S	S	S	S	S	S	S
Asian	2,000	1,000	1,000	S	S	1,000	S	S	S
Black	4,000	2,000	2,000	S	2,000	1,000	2,000	S	S
Hispanic	3,000	2,000	1,000	S	S	S	S	S	S
White	14,000	7,000	6,000	5,000	6,000	4,000	4,000	3,000	2,000
Other	1,000	1,000	S	S	S	S	S	S	S
Sales/marketing occupations	16,000	6,000	8,000	7,000	4,000	5,000	5,000	4,000	4,000
American Indian/Alaska Native	S	S	S	S	S	S	S	S	S
Asian	3,000	1,000	2,000	1,000	1,000	1,000	S	1,000	S
Black	3,000	2,000	1,000	S	S	S	S	S	S
Hispanic	3,000	1,000	2,000	1,000	1,000	2,000	S	S	S
White	13,000	5,000	6,000	6,000	4,000	5,000	5,000	4,000	4,000
Other	4,000	S	S	S	S	S	S	S	S
Social services/related occupations	12,000	7,000	5,000	6,000	4,000	4,000	3,000	3,000	2,000
American Indian/Alaska Native	1,000	S	S	S	S	S	S	S	S
Asian	2,000	1,000	1,000	1,000	S	S	S	S	S
Black	4,000	3,000	1,000	1,000	1,000	1,000	1,000	S	S
Hispanic	2,000	1,000	2,000	1,000	1,000	1,000	500	S	S

TABLE A-20. Standard errors for employed U.S. scientists and engineers, by highest degree attained, occupation, race/ethnicity, and years since degree: 2003

Level of highest degree, occupation, and race/ethnicity ^a	Employed scientists and engineers	Years since highest degree							
		<5 years	5-9 years	10-14 years	15-19 years	20-24 years	25-29 years	30-34 years	35+ years
White	11,000	6,000	5,000	5,000	4,000	3,000	3,000	3,000	2,000
Other	1,000	1,000	1,000	S	S	S	S	S	S
Other non-S&E occupations	18,000	8,000	8,000	7,000	7,000	6,000	5,000	6,000	3,000
American Indian/Alaska Native	S	S	S	S	S	S	S	S	S
Asian	4,000	2,000	2,000	2,000	1,000	1,000	1,000	1,000	1,000
Black	4,000	1,000	3,000	1,000	500	2,000	1,000	S	S
Hispanic	3,000	1,000	1,000	2,000	2,000	1,000	1,000	S	S
White	17,000	7,000	7,000	6,000	6,000	6,000	5,000	6,000	2,000
Other	1,000	*	S	S	S	S	S	S	S
Doctorate degrees, all occupations	11,000	7,000	5,000	3,000	3,000	4,000	2,000	3,000	2,000
American Indian/Alaska Native	500	*	*	*	*	S	S	S	S
Asian	3,000	2,000	1,000	1,000	2,000	1,000	1,000	1,000	500
Black	2,000	2,000	1,000	1,000	500	1,000	500	500	*
Hispanic	2,000	1,000	1,000	1,000	1,000	1,000	500	500	500
White	10,000	6,000	4,000	3,000	3,000	4,000	2,000	3,000	2,000
Other	1,000	500	500	500	500	500	500	500	*
S&E occupations	5,000	4,000	2,000	2,000	2,000	2,000	1,000	1,000	1,000
American Indian/Alaska Native	500	*	*	S	*	S	S	S	S
Asian	3,000	2,000	1,000	1,000	1,000	1,000	500	500	500
Black	2,000	2,000	500	500	500	500	500	500	*
Hispanic	1,000	1,000	500	500	500	500	500	500	*
White	4,000	3,000	2,000	1,000	1,000	2,000	1,000	1,000	1,000
Other	500	500	500	500	500	500	500	*	*
Scientists	5,000	4,000	2,000	2,000	2,000	2,000	1,000	1,000	1,000
American Indian/Alaska Native	500	*	*	S	*	S	S	S	S
Asian	2,000	2,000	1,000	1,000	1,000	1,000	500	500	500
Black	2,000	2,000	500	500	500	500	500	*	*
Hispanic	1,000	500	500	500	500	500	500	*	*
White	4,000	3,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000
Other	500	500	500	500	*	500	*	*	*
Biological/agricultural/other life scientists	3,000	2,000	1,000	1,000	1,000	1,000	1,000	500	1,000
American Indian/Alaska Native	*	S	S	S	S	S	S	S	S
Asian	2,000	1,000	1,000	1,000	1,000	500	500	500	*
Black	1,000	500	500	500	*	*	*	S	*
Hispanic	500	500	500	500	*	*	*	*	S
White	3,000	2,000	1,000	1,000	1,000	1,000	500	500	1,000
Other	500	*	*	*	S	*	S	S	S
Agricultural/food scientists	500	500	500	500	500	500	500	500	*
American Indian/Alaska Native	S	S	S	S	S	S	S	S	S
Asian	500	*	*	*	*	S	S	S	S
Black	*	*	S	S	S	S	S	S	S
Hispanic	*	S	*	*	S	S	S	S	S
White	500	500	500	500	500	500	500	500	*
Other	*	S	S	S	S	S	S	S	S
Biological/medical scientists	3,000	2,000	1,000	1,000	1,000	1,000	500	500	500
American Indian/Alaska Native	*	S	S	S	S	S	S	S	S
Asian	2,000	1,000	1,000	1,000	1,000	500	500	500	S
Black	500	500	*	*	*	S	S	S	S
Hispanic	1,000	500	500	*	*	*	*	S	S
White	2,000	2,000	1,000	1,000	1,000	1,000	500	500	500
Other	500	*	*	*	S	S	S	S	S

TABLE A-20. Standard errors for employed U.S. scientists and engineers, by highest degree attained, occupation, race/ethnicity, and years since degree: 2003

Level of highest degree, occupation, and race/ethnicity ^a	Employed scientists and engineers	Years since highest degree							
		<5 years	5-9 years	10-14 years	15-19 years	20-24 years	25-29 years	30-34 years	35+ years
Environmental life scientists	500	*	*	500	*	S	S	S	S
American Indian/Alaska Native	S	S	S	S	S	S	S	S	S
Asian	S	S	S	S	S	S	S	S	S
Black	S	S	S	S	S	S	S	S	S
Hispanic	S	S	S	S	S	S	S	S	S
White	500	*	S	*	*	S	S	S	S
Other	S	S	S	S	S	S	S	S	S
Postsecondary teachers-life/related sciences	1,000	500	500	500	1,000	500	500	500	500
American Indian/Alaska Native	S	S	S	S	S	S	S	S	S
Asian	500	*	500	*	500	*	*	S	S
Black	500	*	*	*	*	*	*	S	S
Hispanic	500	*	*	*	*	S	*	S	S
White	1,000	500	500	500	500	500	500	500	500
Other	500	S	*	S	S	S	S	S	S
Computer/mathematical scientists	3,000	2,000	1,000	1,000	1,000	1,000	1,000	1,000	500
American Indian/Alaska Native	S	S	S	S	S	S	S	S	S
Asian	1,000	1,000	1,000	500	1,000	500	500	500	*
Black	2,000	2,000	500	*	*	*	*	*	S
Hispanic	500	*	*	*	*	*	*	S	S
White	2,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	500
Other	500	*	*	S	*	S	S	S	S
Computer/information scientists	2,000	1,000	1,000	1,000	1,000	1,000	1,000	500	500
American Indian/Alaska Native	S	S	S	S	S	S	S	S	S
Asian	1,000	1,000	1,000	500	500	500	500	S	S
Black	500	500	*	S	S	S	S	S	S
Hispanic	500	*	*	*	S	S	S	S	S
White	1,000	1,000	1,000	500	1,000	1,000	1,000	500	500
Other	*	*	S	S	S	S	S	S	S
Mathematical scientists	1,000	500	500	500	500	500	500	500	*
American Indian/Alaska Native	S	S	S	S	S	S	S	S	S
Asian	500	500	500	500	*	S	S	S	S
Black	*	*	S	S	S	S	S	S	S
Hispanic	*	*	*	S	S	S	S	S	S
White	1,000	500	500	500	500	500	500	500	*
Other	S	S	S	S	S	S	S	S	S
Postsecondary teachers-computer/mathematics/science	2,000	2,000	500	500	1,000	500	500	500	500
American Indian/Alaska Native	S	S	S	S	S	S	S	S	S
Asian	1,000	500	500	500	1,000	*	*	*	S
Black	2,000	2,000	*	*	*	*	*	*	S
Hispanic	500	*	*	*	*	S	S	S	S
White	1,000	1,000	500	500	500	500	500	500	500
Other	*	S	S	S	S	S	S	S	S
Physical/related scientists	2,000	1,000	1,000	1,000	1,000	1,000	500	500	500
American Indian/Alaska Native	*	S	S	S	S	S	S	S	S
Asian	1,000	500	500	500	500	500	500	500	500
Black	500	500	*	*	*	*	*	S	S
Hispanic	500	*	*	*	*	*	*	S	S
White	2,000	1,000	1,000	1,000	500	1,000	500	500	500
Other	500	*	*	*	S	*	S	S	S

TABLE A-20. Standard errors for employed U.S. scientists and engineers, by highest degree attained, occupation, race/ethnicity, and years since degree: 2003

Level of highest degree, occupation, and race/ethnicity ^a	Employed scientists and engineers	Years since highest degree							
		<5 years	5-9 years	10-14 years	15-19 years	20-24 years	25-29 years	30-34 years	35+ years
Asian	S	S	S	S	S	S	S	S	S
Black	*	S	S	S	S	S	S	S	S
Hispanic	S	S	S	S	S	S	S	S	S
White	500	*	*	S	S	S	S	S	*
Other	S	S	S	S	S	S	S	S	S
Postsecondary teachers-social/related sciences	2,000	1,000	1,000	1,000	1,000	1,000	1,000	500	500
American Indian/Alaska Native	*	S	*	S	S	S	S	S	S
Asian	1,000	1,000	500	500	500	500	*	*	S
Black	500	500	500	500	*	*	*	*	S
Hispanic	500	500	500	*	*	*	S	S	S
White	2,000	1,000	1,000	1,000	500	1,000	1,000	500	500
Other	500	*	500	S	*	S	S	S	S
Psychologists	1,000	1,000	500	1,000	500	500	1,000	500	500
American Indian/Alaska Native	*	S	S	S	S	S	S	S	S
Asian	500	*	*	*	*	*	S	S	S
Black	500	500	*	*	*	*	*	S	S
Hispanic	500	*	500	*	*	*	S	S	S
White	1,000	1,000	500	1,000	500	500	1,000	500	500
Other	500	*	*	*	*	*	S	S	S
Sociologists/anthropologists	1,000	1,000	500	*	500	*	*	*	S
American Indian/Alaska Native	S	S	S	S	S	S	S	S	S
Asian	*	S	S	S	S	S	S	S	S
Black	*	*	S	S	S	S	S	S	S
Hispanic	*	S	S	S	S	S	S	S	S
White	1,000	1,000	500	*	500	*	*	*	S
Other	*	S	S	S	S	S	S	S	S
Other social/related scientists	1,000	500	500	500	500	*	500	*	S
American Indian/Alaska Native	S	S	S	S	S	S	S	S	S
Asian	500	*	*	S	S	S	S	S	S
Black	500	*	*	S	S	S	S	S	S
Hispanic	*	S	*	S	S	S	S	S	S
White	1,000	500	500	500	*	*	500	*	S
Other	*	S	S	S	S	S	S	S	S
Engineers	2,000	1,000	1,000	1,000	1,000	1,000	500	1,000	1,000
American Indian/Alaska Native	S	S	S	S	S	S	S	S	S
Asian	1,000	1,000	1,000	500	500	500	500	500	500
Black	500	*	*	*	*	*	*	S	S
Hispanic	500	500	500	*	*	*	*	S	S
White	2,000	1,000	1,000	500	500	500	500	500	500
Other	500	*	*	S	S	*	S	S	S
Aerospace/aeronautical/astronautical engineers	1,000	500	500	500	500	*	*	500	500
American Indian/Alaska Native	S	S	S	S	S	S	S	S	S
Asian	500	S	S	*	*	S	S	S	S
Black	S	S	S	S	S	S	S	S	S
Hispanic	S	S	S	S	S	S	S	S	S
White	1,000	500	500	500	*	*	*	500	500
Other	S	S	S	S	S	S	S	S	S
Chemical engineers	1,000	500	500	500	500	500	500	500	*
American Indian/Alaska Native	S	S	S	S	S	S	S	S	S
Asian	500	*	500	500	*	S	*	S	S
Black	*	*	S	S	S	S	S	S	S

TABLE A-20. Standard errors for employed U.S. scientists and engineers, by highest degree attained, occupation, race/ethnicity, and years since degree: 2003

Level of highest degree, occupation, and race/ethnicity ^a	Employed scientists and engineers	Years since highest degree							
		<5 years	5-9 years	10-14 years	15-19 years	20-24 years	25-29 years	30-34 years	35+ years
Hispanic	500	*	S	S	S	S	S	S	S
White	500	500	500	500	*	500	500	500	*
Other	S	S	S	S	S	S	S	S	S
Civil/architectural/sanitary engineers	500	500	500	500	500	*	*	*	*
American Indian/Alaska Native	S	S	S	S	S	S	S	S	S
Asian	500	*	*	*	S	S	S	S	S
Black	S	S	S	S	S	S	S	S	S
Hispanic	*	S	S	S	S	S	S	S	S
White	500	500	500	*	*	*	*	*	*
Other	S	S	S	S	S	S	S	S	S
Electrical/computer hardware engineers	1,000	500	500	500	500	500	500	500	500
American Indian/Alaska Native	S	S	S	S	S	S	S	S	S
Asian	1,000	500	500	500	500	*	500	S	S
Black	*	*	*	S	S	S	S	S	S
Hispanic	*	*	*	S	S	S	S	S	S
White	1,000	500	500	500	500	500	500	500	500
Other	*	S	S	S	S	S	S	S	S
Industrial engineers	1,000	1,000	*	*	*	S	S	S	S
American Indian/Alaska Native	S	S	S	S	S	S	S	S	S
Asian	500	S	*	S	S	S	S	S	S
Black	S	S	S	S	S	S	S	S	S
Hispanic	S	S	S	S	S	S	S	S	S
White	1,000	S	S	S	*	S	S	S	S
Other	S	S	S	S	S	S	S	S	S
Mechanical engineers	500	500	500	500	500	500	500	500	*
American Indian/Alaska Native	S	S	S	S	S	S	S	S	S
Asian	500	500	500	500	*	S	*	*	S
Black	*	S	S	S	S	S	S	S	S
Hispanic	*	S	S	S	S	S	S	S	S
White	500	500	500	500	500	*	*	500	*
Other	S	S	S	S	S	S	S	S	S
Postsecondary teachers-engineering	1,000	500	500	500	500	500	500	500	500
American Indian/Alaska Native	S	S	S	S	S	S	S	S	S
Asian	500	500	*	500	500	500	500	*	*
Black	500	*	*	*	*	S	*	S	S
Hispanic	500	*	*	*	*	S	*	S	S
White	1,000	500	500	500	500	500	500	500	500
Other	*	S	S	S	S	S	S	S	S
Other engineers	1,000	500	1,000	500	500	500	500	500	500
American Indian/Alaska Native	S	S	S	S	S	S	S	S	S
Asian	1,000	500	500	500	500	500	*	*	S
Black	*	*	S	S	S	S	S	S	S
Hispanic	500	*	*	*	S	S	S	S	S
White	1,000	500	500	500	500	500	500	500	500
Other	*	S	S	S	S	S	S	S	S
S&E-related occupations	5,000	3,000	2,000	1,000	2,000	2,000	1,000	1,000	1,000
American Indian/Alaska Native	*	S	S	S	S	S	S	S	S
Asian	1,000	1,000	500	500	500	500	500	500	*
Black	1,000	500	500	500	500	*	*	*	S
Hispanic	1,000	500	*	500	*	1,000	*	S	S
White	5,000	2,000	2,000	1,000	2,000	2,000	1,000	1,000	500
Other	500	*	*	*	*	S	S	S	S

TABLE A-20. Standard errors for employed U.S. scientists and engineers, by highest degree attained, occupation, race/ethnicity, and years since degree: 2003

Level of highest degree, occupation, and race/ethnicity ^a	Employed scientists and engineers	Years since highest degree							
		<5 years	5-9 years	10-14 years	15-19 years	20-24 years	25-29 years	30-34 years	35+ years
Asian	1,000	*	500	500	*	500	*	500	S
Black	500	*	*	*	S	500	*	S	S
Hispanic	1,000	*	*	*	S	S	S	S	S
White	3,000	3,000	1,000	1,000	1,000	1,000	500	1,000	1,000
Other	*	S	S	S	S	S	S	S	S
Non-S&E managers	4,000	1,000	2,000	2,000	1,000	2,000	1,000	1,000	500
American Indian/Alaska Native	S	S	S	S	S	S	S	S	S
Asian	1,000	*	500	500	500	500	500	500	*
Black	1,000	*	*	500	*	1,000	500	*	S
Hispanic	500	*	*	*	*	*	*	*	S
White	4,000	1,000	2,000	1,000	1,000	2,000	1,000	1,000	500
Other	*	S	S	*	S	S	S	S	S
Non-S&E postsecondary teachers	3,000	1,000	2,000	1,000	1,000	1,000	1,000	1,000	500
American Indian/Alaska Native	S	S	S	S	S	S	S	S	S
Asian	1,000	500	500	500	500	S	S	S	S
Black	500	500	500	*	*	*	*	S	S
Hispanic	500	500	500	*	*	*	*	S	S
White	3,000	1,000	2,000	1,000	1,000	1,000	1,000	500	500
Other	500	S	S	S	S	S	S	S	S
Non-S&E precollege/other teachers	2,000	500	500	1,000	500	500	S	2,000	S
American Indian/Alaska Native	S	S	S	S	S	S	S	S	S
Asian	*	S	S	S	S	S	S	S	S
Black	*	S	S	S	S	S	S	S	S
Hispanic	1,000	S	S	S	S	S	S	S	S
White	2,000	*	500	1,000	500	*	S	2,000	S
Other	S	S	S	S	S	S	S	S	S
Sales/marketing occupations	3,000	2,000	500	500	1,000	500	1,000	1,000	1,000
American Indian/Alaska Native	S	S	S	S	S	S	S	S	S
Asian	1,000	*	*	*	1,000	S	*	S	S
Black	*	S	S	S	S	S	S	S	S
Hispanic	*	S	S	S	S	S	S	S	S
White	3,000	2,000	500	500	500	500	1,000	1,000	1,000
Other	S	S	S	S	S	S	S	S	S
Social services/related occupations	2,000	1,000	1,000	1,000	500	500	500	1,000	*
American Indian/Alaska Native	S	S	S	S	S	S	S	S	S
Asian	500	*	S	S	S	S	S	S	S
Black	1,000	500	500	500	S	S	S	S	S
Hispanic	500	S	S	S	S	S	S	S	S
White	2,000	500	1,000	1,000	500	500	*	1,000	*
Other	*	S	S	S	S	S	S	S	S
Other non-S&E occupations	2,000	1,000	1,000	1,000	1,000	1,000	500	1,000	1,000
American Indian/Alaska Native	S	S	S	S	S	S	S	S	S
Asian	1,000	*	*	1,000	*	500	S	S	S
Black	1,000	S	*	*	S	S	S	S	S

TABLE A-20. Standard errors for employed U.S. scientists and engineers, by highest degree attained, occupation, race/ethnicity, and years since degree: 2003

Level of highest degree, occupation, and race/ethnicity ^a	Employed scientists and engineers	Years since highest degree							
		<5 years	5–9 years	10–14 years	15–19 years	20–24 years	25–29 years	30–34 years	35+ years
Hispanic	1,000	S	*	S	S	S	S	S	S
White	2,000	1,000	1,000	500	1,000	1,000	500	1,000	1,000
Other	500	S	S	S	S	S	S	S	S

* = standard error is not calculated when estimate is less than 500; S = standard error is not calculated when estimate is suppressed for reliability or confidentiality.

S&E = science and engineering.

^a "Other" includes Native Hawaiian/Other Pacific Islander and non-Hispanic respondents reporting 2 or more races.

^b Total includes professional degrees not broken out separately.

NOTES: Scientists and engineers include any person who has ever received a bachelor's or higher degree in a science or engineering (S&E) or S&E-related field, plus any person holding a non-S&E bachelor's or higher degree who was employed in a S&E or S&E-related occupation in 2003. See <http://sestat.nsf.gov/docs/occ03maj.html> for a detailed description of the occupational classification. Standard errors of less than 500 are rounded up to 500 and standard errors equal to or greater than 500 are rounded up to the nearest thousand.

SOURCE: National Science Foundation/Division of Science Resources Statistics, Scientists and Engineers Statistical Data System (SESTAT): 2003.