

TABLE A-10. Standard errors for employed U.S. scientists and engineers, by highest degree, occupation, age, and primary/secondary work activity: 2008

Level of highest degree, occupation, and age (years)	Employed scientists and engineers	Primary/secondary work activity				
		Research and development	Teaching	Management, sales, administration	Computer applications	Other
All degree levels and occupations ^a	81,000	45,000	44,000	73,500	28,500	56,000
<30	22,000	14,500	13,000	17,500	8,500	15,500
30-39	58,500	25,500	24,500	47,000	16,000	34,500
40-49	48,000	23,500	24,000	44,000	15,000	33,500
50-59	48,500	23,500	22,500	39,000	14,500	30,500
60-75	35,500	13,000	14,500	28,000	8,000	23,000
S&E occupations	45,000	31,000	11,000	31,500	21,500	18,500
<30	11,500	9,500	4,500	6,500	7,000	6,000
30-39	20,000	15,000	5,500	15,500	12,500	9,000
40-49	21,500	15,000	5,000	17,500	11,500	9,500
50-59	20,500	14,000	5,500	15,500	11,000	9,000
60-75	10,500	6,500	4,500	8,000	4,500	5,000
Science occupations	36,000	25,000	10,500	24,500	20,500	15,000
<30	11,000	9,000	4,500	6,500	6,500	5,500
30-39	19,000	14,000	5,000	13,500	12,000	8,000
40-49	19,000	12,500	5,000	14,500	11,000	8,000
50-59	16,000	11,500	5,000	11,000	10,000	7,000
60-75	8,500	5,000	4,500	5,500	4,500	4,000
Biological/agricultural/other life scientists	12,500	10,000	4,500	8,500	3,000	6,000
<30	5,000	5,000	2,500	3,000	1,500	2,500
30-39	7,000	5,500	2,000	4,500	1,500	3,500
40-49	6,500	5,000	2,000	5,500	2,000	3,000
50-59	6,000	5,000	2,000	5,000	1,500	3,500
60-75	2,500	2,000	2,000	2,000	1,000	1,500
Agricultural/food scientists	5,500	4,500	1,000	4,500	500	3,500
<30	2,000	2,000	D	1,000	D	1,500
30-39	2,000	1,500	D	2,000	D	2,000
40-49	3,000	2,500	*	3,000	*	1,500
50-59	4,000	3,000	500	3,500	D	2,500
60-75	1,000	500	D	1,000	D	1,000
Biological/medical scientists	10,000	9,000	2,500	7,000	3,000	4,500
<30	4,500	4,500	1,500	2,500	1,500	2,500
30-39	6,000	5,000	1,000	4,000	1,500	2,500
40-49	5,500	4,500	1,000	4,500	2,000	2,500
50-59	4,500	4,500	S	3,000	1,000	2,000
60-75	2,000	1,500	500	1,500	1,000	1,000
Environmental life scientists	4,000	2,500	1,000	3,500	S	2,500
<30	1,000	1,000	D	1,000	D	500
30-39	1,500	1,000	S	1,500	D	1,000
40-49	2,000	1,000	D	1,500	D	1,500
50-59	3,000	1,500	D	2,500	D	2,500
60-75	500	500	D	500	D	500
Postsecondary teachers-life/related sciences	4,500	3,500	4,000	2,000	1,000	1,500
<30	2,000	1,500	2,000	1,500	D	D
30-39	2,500	1,500	2,000	1,000	D	1,500
40-49	2,000	1,500	2,000	1,000	D	500
50-59	2,000	1,500	1,500	1,000	D	1,000
60-75	2,000	1,000	2,000	1,500	S	500
Computer/mathematical scientists	26,000	18,500	7,000	18,000	20,500	10,500
<30	7,500	5,500	2,000	5,000	6,500	3,500
30-39	15,000	11,500	4,000	11,500	12,000	6,500

TABLE A-10. Standard errors for employed U.S. scientists and engineers, by highest degree, occupation, age, and primary/secondary work activity: 2008

Level of highest degree, occupation, and age (years)	Employed scientists and engineers	Primary/secondary work activity				
		Research and development	Teaching	Management, sales, administration	Computer applications	Other
40-49	14,000	10,500	3,500	11,000	11,000	6,000
50-59	13,000	9,000	3,500	8,500	10,000	4,500
60-75	5,500	3,500	2,500	4,500	4,500	2,000
Computer/information scientists	24,500	17,500	5,500	17,500	20,000	10,500
<30	7,500	5,000	1,500	5,000	6,500	3,000
30-39	14,500	10,500	3,000	10,500	12,000	6,500
40-49	13,500	10,000	3,000	10,500	10,500	6,000
50-59	12,000	8,000	3,000	8,500	10,000	4,500
60-75	5,000	3,000	1,500	4,000	4,500	1,500
Mathematical scientists	7,000	6,000	1,500	4,500	4,000	2,000
<30	1,500	1,500	*	1,000	1,000	1,000
30-39	4,500	4,000	S	3,000	2,500	1,500
40-49	4,000	3,500	*	2,500	3,000	1,000
50-59	3,500	3,000	*	2,000	2,000	1,000
60-75	1,500	1,500	D	1,500	500	1,000
Postsecondary teachers-computer/mathematical sciences	5,000	3,000	4,500	2,500	1,500	1,500
<30	1,500	1,500	1,500	500	500	D
30-39	2,500	2,500	2,500	1,000	S	500
40-49	2,000	1,000	2,000	1,000	500	500
50-59	2,000	1,500	2,000	1,000	1,000	1,000
60-75	2,500	1,000	2,000	1,500	500	S
Physical/related scientists	9,000	7,000	3,000	6,000	2,000	5,500
<30	3,000	2,000	1,500	2,000	1,000	2,000
30-39	4,500	4,000	1,500	3,000	1,000	3,000
40-49	5,000	3,500	2,000	3,500	1,000	3,000
50-59	5,000	4,000	1,500	3,500	1,000	3,000
60-75	2,500	2,000	1,500	1,500	1,000	1,000
Chemists, except biochemists	6,000	4,500	1,000	4,000	1,000	4,000
<30	2,000	1,500	500	1,500	1,000	1,500
30-39	3,500	3,000	*	1,500	1,000	2,500
40-49	3,500	2,500	D	2,500	1,000	2,000
50-59	2,500	2,000	*	2,000	500	2,000
60-75	1,500	1,500	*	1,000	*	1,000
Earth/atmospheric/ocean scientists	4,500	4,000	1,000	4,000	1,500	2,500
<30	1,500	1,000	D	1,000	500	1,000
30-39	2,000	2,000	D	2,000	500	1,000
40-49	2,500	2,000	D	2,500	1,000	1,500
50-59	3,000	2,500	*	2,000	1,000	1,500
60-75	1,000	1,000	D	1,000	500	500
Physicists/astronomers	1,500	1,500	500	1,000	1,000	1,000
<30	1,000	1,000	*	500	500	500
30-39	1,000	1,000	D	500	500	500
40-49	1,000	500	D	500	500	500
50-59	500	500	*	500	500	500
60-75	1,000	1,000	D	500	500	*
Postsecondary teachers-physical/related sciences	3,000	2,000	3,000	1,500	1,000	500
<30	1,500	1,000	1,000	500	D	500
30-39	1,000	1,000	1,000	1,000	D	500
40-49	2,000	1,000	2,000	1,500	D	500

TABLE A-10. Standard errors for employed U.S. scientists and engineers, by highest degree, occupation, age, and primary/secondary work activity: 2008

Level of highest degree, occupation, and age (years)	Employed scientists and engineers	Primary/secondary work activity				
		Research and development	Teaching	Management, sales, administration	Computer applications	Other
50-59	1,500	1,500	1,500	500	*	*
60-75	1,500	500	1,500	500	D	500
Other physical/related scientists	4,000	2,500	*	3,000	500	2,500
<30	1,000	1,000	D	500	D	500
30-39	2,000	1,500	D	1,500	*	1,500
40-49	2,500	1,500	D	2,000	D	1,500
50-59	2,500	2,000	D	2,500	*	1,500
60-75	1,000	500	D	1,000	D	*
Social/related scientists	13,000	8,500	6,000	9,500	2,500	8,000
<30	5,000	4,000	3,000	3,000	1,000	3,000
30-39	7,000	5,000	2,000	4,500	1,500	4,000
40-49	6,500	4,000	3,000	5,500	1,000	3,500
50-59	6,500	4,500	3,000	5,000	1,500	4,000
60-75	4,500	2,000	2,500	3,000	S	3,000
Economists	2,500	2,000	*	2,000	1,000	2,000
<30	1,500	1,500	D	1,000	500	500
30-39	1,500	1,500	D	1,500	500	1,000
40-49	2,000	500	D	1,500	S	1,500
50-59	1,000	1,000	D	1,000	*	500
60-75	1,000	500	D	1,000	*	500
Political/related scientists	3,000	2,500	*	2,500	D	2,500
<30	1,500	1,500	D	1,000	D	S
30-39	2,000	2,000	D	1,500	D	1,500
40-49	1,000	S	D	S	D	D
50-59	S	500	D	S	D	D
60-75	S	*	D	D	D	D
Postsecondary teachers-social/related sciences	5,000	3,500	5,000	2,000	500	2,500
<30	2,500	2,000	2,500	1,000	D	D
30-39	2,000	1,500	2,000	500	D	500
40-49	2,500	2,000	2,500	1,000	D	1,000
50-59	2,500	1,000	2,500	1,000	D	1,500
60-75	2,000	1,500	2,000	1,000	D	1,500
Psychologists	7,000	4,500	3,000	4,500	1,000	6,500
<30	3,000	2,500	1,500	1,500	1,000	2,500
30-39	3,000	2,500	1,000	1,500	S	2,500
40-49	3,000	1,500	1,500	2,500	D	2,500
50-59	4,000	2,500	2,000	3,000	*	4,000
60-75	2,500	1,000	1,500	1,500	D	2,500
Sociologists/anthropologists	2,500	2,500	1,000	2,000	S	1,000
<30	1,500	1,500	D	1,500	D	S
30-39	1,500	1,500	D	1,000	D	500
40-49	1,000	1,000	D	500	D	*
50-59	1,500	1,500	D	1,500	D	500
60-75	500	500	D	500	D	500
Other social/related scientists	8,500	6,000	1,000	7,500	2,000	4,000
<30	3,000	2,500	500	2,500	S	1,500
30-39	5,000	3,500	*	4,000	1,000	3,000
40-49	5,000	3,000	S	4,500	500	1,500
50-59	4,000	3,000	500	3,000	1,500	1,500
60-75	2,500	1,500	D	2,000	D	1,500

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Level of highest degree, occupation, and age (years)	Employed scientists and engineers	Primary/secondary work activity				
		Research and development	Teaching	Management, sales, administration	Computer applications	Other
Engineering occupations	20,500	15,500	3,500	17,000	7,000	10,000
<30	5,000	4,500	1,000	3,500	2,000	2,500
30-39	9,500	7,500	2,000	8,000	4,000	4,500
40-49	10,500	9,000	1,500	9,000	4,000	5,500
50-59	11,000	8,000	2,500	9,500	3,500	4,500
60-75	6,500	4,000	1,000	6,000	1,500	3,500
Aerospace/aeronautical/astronautical engineers	5,000	4,000	1,500	4,000	2,500	3,000
<30	1,000	1,000	*	1,000	500	500
30-39	2,500	2,000	D	1,500	1,500	1,000
40-49	3,000	2,500	D	2,500	1,500	2,000
50-59	3,000	2,000	D	2,000	1,500	1,000
60-75	2,000	1,500	D	2,000	500	1,500
Chemical engineers	4,500	4,000	*	3,500	1,500	2,500
<30	1,000	1,000	D	1,000	500	500
30-39	2,500	2,500	D	2,000	500	1,000
40-49	2,500	2,000	D	2,000	500	2,000
50-59	2,500	2,000	D	2,000	1,000	1,000
60-75	1,500	1,500	D	1,000	D	1,000
Civil/architectural/sanitary engineers	7,500	5,000	1,500	7,500	2,000	4,000
<30	2,000	2,000	*	1,500	500	1,000
30-39	4,000	3,000	500	4,000	1,000	2,500
40-49	4,500	2,500	S	4,000	1,500	2,000
50-59	4,000	3,000	D	4,000	1,000	2,000
60-75	3,000	2,000	D	3,000	500	1,500
Electrical/computer hardware engineers	8,500	8,000	1,000	7,000	5,000	4,000
<30	3,000	2,500	D	2,000	2,000	1,500
30-39	5,000	4,500	500	3,500	3,000	2,000
40-49	5,500	5,000	500	4,500	3,000	2,000
50-59	4,500	4,000	S	3,500	2,000	1,500
60-75	2,500	2,000	D	2,000	1,000	1,000
Industrial engineers	5,500	4,000	500	5,000	1,500	3,500
<30	1,500	1,000	*	1,000	500	1,000
30-39	3,000	2,000	D	3,000	1,500	2,000
40-49	3,500	2,500	D	3,000	1,000	2,000
50-59	3,500	2,500	D	3,000	500	2,500
60-75	1,000	500	D	1,000	D	500
Mechanical engineers	8,500	7,500	1,500	7,000	2,000	4,000
<30	2,000	2,000	*	1,500	1,000	1,000
30-39	4,000	4,000	500	3,500	1,000	2,000
40-49	5,500	4,500	500	4,500	1,000	3,000
50-59	4,500	3,500	S	4,000	1,000	2,000
60-75	2,500	2,000	S	2,500	500	1,000
Postsecondary teachers-engineering	2,000	2,000	2,000	1,000	500	1,000
<30	1,000	1,000	1,000	500	*	S
30-39	1,000	1,000	1,000	500	*	*
40-49	1,500	1,000	1,000	500	D	*
50-59	1,500	1,000	1,500	1,000	D	*
60-75	1,000	500	1,000	500	*	*
Other engineers	11,000	7,500	2,000	9,000	3,000	6,000
<30	2,500	2,000	1,000	2,000	1,000	1,500
30-39	5,500	4,000	500	4,500	1,500	2,500

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Level of highest degree, occupation, and age (years)	Employed scientists and engineers	Primary/secondary work activity				
		Research and development	Teaching	Management, sales, administration	Computer applications	Other
40-49	5,500	4,000	*	5,500	2,000	3,500
50-59	5,500	3,500	S	5,000	1,500	3,500
60-75	4,000	3,000	500	3,000	1,000	2,500
S&E-related occupations	50,000	25,500	32,500	36,500	14,000	40,000
<30	13,000	7,000	8,500	9,000	3,500	11,500
30-39	26,500	15,000	18,000	20,000	8,000	22,000
40-49	27,000	12,500	17,000	20,500	8,000	22,500
50-59	25,500	11,500	17,500	19,500	6,500	19,500
60-75	16,000	7,000	8,500	12,000	3,500	13,000
Health occupations	40,500	15,500	24,500	29,000	7,000	38,500
<30	12,000	5,500	7,000	7,500	2,000	11,500
30-39	21,000	9,500	13,500	16,000	4,000	21,000
40-49	23,000	8,000	14,000	17,000	4,500	21,500
50-59	20,500	9,000	13,000	16,000	4,000	19,000
60-75	13,000	5,000	7,000	10,000	2,000	12,000
S&E managers	17,000	8,000	2,500	17,000	6,000	6,500
<30	1,500	1,000	D	1,500	D	1,000
30-39	8,000	4,000	D	8,000	3,500	3,000
40-49	10,500	4,500	S	10,000	4,000	3,500
50-59	9,000	4,000	S	8,500	2,500	5,000
60-75	5,000	2,500	*	5,000	2,000	2,500
S&E precollege teachers	20,000	10,000	19,500	13,500	4,000	4,000
<30	4,500	2,000	4,500	3,500	1,000	1,500
30-39	12,000	7,500	11,500	7,000	2,000	2,000
40-49	10,500	5,000	10,000	7,000	2,500	3,000
50-59	9,500	4,500	9,500	6,000	2,000	2,000
60-75	5,500	2,500	5,000	3,500	D	1,500
S&E technicians/technologists	14,500	11,500	3,000	9,000	10,000	8,500
<30	4,500	4,000	S	2,500	3,000	2,500
30-39	8,000	6,500	S	5,000	6,500	4,000
40-49	9,000	6,500	2,500	6,000	5,500	4,500
50-59	6,500	4,500	1,500	4,000	4,000	4,000
60-75	3,500	2,500	D	3,000	2,500	2,500
Other S&E-related occupations	10,000	8,000	D	8,500	2,500	6,500
<30	1,500	1,000	D	1,000	1,000	1,000
30-39	6,000	4,500	D	5,000	2,500	3,500
40-49	6,000	4,500	D	5,500	1,000	4,000
50-59	4,500	3,500	D	4,500	D	4,000
60-75	4,000	3,000	D	3,000	D	2,500
Non-S&E occupations	81,000	30,500	32,500	73,500	14,000	43,500
<30	16,000	8,000	8,000	15,000	3,500	11,000
30-39	49,000	18,000	16,500	42,500	7,000	25,000
40-49	45,000	14,500	17,000	40,500	7,000	25,000
50-59	37,000	15,000	16,000	35,000	8,000	23,500
60-75	27,000	9,000	10,000	22,000	5,000	16,500
Arts/humanities/related occupations	14,500	8,500	4,500	11,500	4,000	10,000
<30	4,000	2,000	1,500	3,000	1,000	2,500
30-39	7,500	5,000	2,500	6,000	2,500	4,500
40-49	8,500	4,500	3,500	6,000	2,000	6,000
50-59	7,500	4,000	2,000	7,000	S	5,000
60-75	5,000	3,000	1,500	4,500	1,500	4,000

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Level of highest degree, occupation, and age (years)	Employed scientists and engineers	Primary/secondary work activity				
		Research and development	Teaching	Management, sales, administration	Computer applications	Other
Management-related occupations	31,000	12,500	6,500	30,000	6,500	15,500
<30	7,500	3,500	1,500	7,000	2,000	4,000
30-39	15,500	7,500	3,500	15,500	3,500	8,000
40-49	17,000	6,500	3,500	16,000	3,500	9,000
50-59	16,000	6,000	4,000	15,500	4,000	8,000
60-75	9,500	4,000	2,500	9,000	2,500	6,000
Non-S&E managers	28,500	10,500	5,500	28,500	4,500	13,500
<30	3,000	1,500	1,000	3,000	500	1,500
30-39	15,000	4,500	2,500	15,000	2,500	6,500
40-49	16,000	6,500	3,000	16,000	2,000	7,500
50-59	16,000	5,500	4,000	16,000	2,500	8,000
60-75	10,000	3,000	2,000	9,500	2,000	5,000
Non-S&E postsecondary teachers	8,500	4,500	8,000	4,500	1,000	3,500
<30	3,000	1,500	3,000	1,500	500	1,500
30-39	4,500	3,000	4,500	2,500	500	1,500
40-49	4,000	2,500	3,500	2,500	D	1,000
50-59	4,500	2,000	4,500	3,000	D	2,500
60-75	4,000	2,000	3,500	2,000	D	2,000
Non-S&E precollege/other teachers	24,500	10,000	24,000	14,000	4,500	10,000
<30	6,500	3,000	6,500	4,000	S	2,000
30-39	11,500	5,500	11,000	6,500	1,500	4,500
40-49	13,500	5,500	13,500	8,000	2,500	6,000
50-59	12,000	5,500	12,000	7,500	3,000	6,000
60-75	7,000	3,500	7,000	4,500	D	2,000
Sales/marketing occupations	33,000	12,500	6,500	32,500	5,500	14,500
<30	7,500	2,500	1,500	7,500	1,500	2,500
30-39	17,000	7,000	2,500	16,500	3,000	8,000
40-49	19,500	6,500	4,500	18,500	3,500	7,500
50-59	15,000	6,000	3,000	15,500	2,500	7,000
60-75	12,500	4,500	S	12,500	2,500	6,000
Social services/related occupations	19,500	6,500	10,500	14,500	3,500	16,500
<30	6,500	2,500	3,500	4,500	1,500	6,500
30-39	10,500	4,000	5,500	7,000	S	9,500
40-49	10,000	3,500	5,000	7,500	1,000	8,500
50-59	11,500	3,500	5,500	9,500	2,500	10,000
60-75	6,000	2,500	3,500	4,500	D	5,500
Other non-S&E occupations	46,000	17,500	14,500	39,000	7,500	30,500
<30	12,000	5,500	4,000	10,000	2,500	8,500
30-39	26,000	10,000	7,500	21,500	3,500	16,000
40-49	25,500	8,500	7,000	22,000	4,000	17,500
50-59	22,500	9,000	7,500	19,500	5,500	15,500
60-75	16,500	5,000	4,000	13,000	3,500	11,500
Bachelor's degrees, all occupations	66,500	36,000	33,500	62,500	24,000	45,500
<30	19,000	12,000	10,000	15,000	8,000	13,500
30-39	45,500	20,000	17,500	39,500	14,000	26,000
40-49	40,000	19,500	19,000	36,000	13,500	26,500
50-59	34,000	18,000	16,500	29,000	12,000	23,000
60-75	24,500	9,500	8,500	20,500	6,500	14,000
S&E occupations	33,000	23,000	7,500	25,000	17,500	15,000
<30	10,500	9,000	4,000	6,000	6,500	5,000
30-39	15,500	12,000	3,500	12,500	10,500	7,500

TABLE A-10. Standard errors for employed U.S. scientists and engineers, by highest degree, occupation, age, and primary/secondary work activity: 2008

Level of highest degree, occupation, and age (years)	Employed scientists and engineers	Primary/secondary work activity				
		Research and development	Teaching	Management, sales, administration	Computer applications	Other
40-49	18,000	12,500	4,000	14,000	10,500	8,000
50-59	15,000	10,500	4,000	12,000	9,000	7,000
60-75	7,500	4,500	1,500	6,500	4,000	3,500
Science occupations	26,000	18,500	7,000	19,500	17,000	11,500
<30	10,000	8,000	4,000	6,000	6,000	4,500
30-39	15,000	10,500	3,500	11,000	10,000	7,000
40-49	15,000	10,000	3,500	11,500	10,000	6,500
50-59	11,500	8,500	3,500	9,000	8,500	5,000
60-75	5,000	3,500	1,500	4,000	4,000	2,000
Biological/agricultural/other life scientists	10,000	7,500	3,500	7,500	1,500	5,500
<30	4,500	4,500	2,500	2,500	1,000	2,500
30-39	5,500	4,000	2,000	4,000	1,000	3,000
40-49	4,500	3,000	1,500	4,500	D	3,000
50-59	4,500	3,500	1,500	4,000	S	3,000
60-75	1,000	1,000	D	1,000	D	500
Agricultural/food scientists	5,000	4,000	500	4,500	D	3,500
<30	2,000	2,000	D	1,000	D	1,500
30-39	2,000	1,500	D	2,000	D	S
40-49	3,000	2,500	D	2,500	D	1,500
50-59	3,500	2,500	D	3,500	D	2,500
60-75	D	D	D	D	D	D
Biological/medical scientists	8,000	6,500	2,000	5,500	1,500	4,000
<30	4,000	4,000	1,500	2,000	1,000	2,000
30-39	4,500	4,000	D	3,500	D	2,500
40-49	4,000	2,500	1,000	3,500	D	2,500
50-59	3,000	3,000	D	2,500	S	1,000
60-75	1,000	1,000	D	500	D	500
Environmental life scientists	3,500	2,000	500	3,000	D	2,000
<30	1,000	S	D	1,000	D	D
30-39	1,000	1,000	D	1,000	D	1,000
40-49	1,500	S	D	1,500	D	1,500
50-59	2,500	S	D	2,500	D	2,000
60-75	500	D	D	500	D	500
Postsecondary teachers-life/related sciences	3,000	2,000	3,000	1,500	D	1,500
<30	2,000	1,500	2,000	1,500	D	D
30-39	S	D	D	D	D	D
40-49	D	D	D	D	D	D
50-59	1,000	D	D	D	D	D
60-75	D	D	D	D	D	D
Computer/mathematical scientists	21,500	15,000	5,500	15,500	16,500	9,500
<30	7,000	5,500	2,000	4,500	6,000	3,000
30-39	12,500	9,000	2,500	9,500	10,000	6,000
40-49	12,500	9,000	3,000	9,500	10,000	5,500
50-59	10,000	6,500	3,000	7,000	8,500	4,000
60-75	4,500	2,500	1,500	3,500	3,500	1,000
Computer/information scientists	21,000	14,500	5,000	15,000	16,500	9,000
<30	7,000	5,000	1,500	4,500	6,000	3,000
30-39	12,000	8,500	2,500	9,000	10,000	5,500
40-49	12,500	8,500	3,000	9,500	9,500	5,500
50-59	10,000	6,000	2,500	7,000	8,500	4,000
60-75	4,000	2,500	S	3,500	4,000	1,000

TABLE A-10. Standard errors for employed U.S. scientists and engineers, by highest degree, occupation, age, and primary/secondary work activity: 2008

Level of highest degree, occupation, and age (years)	Employed scientists and engineers	Primary/secondary work activity				
		Research and development	Teaching	Management, sales, administration	Computer applications	Other
Mathematical scientists	5,000	4,500	D	3,500	3,500	1,500
<30	1,500	1,500	D	1,000	1,000	500
30-39	3,500	3,000	D	2,500	2,500	1,500
40-49	3,000	2,500	D	2,000	2,000	D
50-59	2,500	2,000	D	1,500	S	D
60-75	1,000	S	D	500	D	D
Postsecondary teachers-computer/mathematical sciences	2,500	2,000	2,500	1,000	1,000	500
<30	1,500	1,500	1,500	500	D	D
30-39	1,500	S	S	D	D	D
40-49	1,000	D	1,000	D	D	D
50-59	1,500	D	1,500	D	D	D
60-75	1,000	D	1,000	D	D	D
Physical/related scientists	7,500	6,000	2,000	5,500	1,500	5,000
<30	2,500	2,000	1,000	1,500	1,000	1,500
30-39	4,000	3,500	1,000	2,500	1,000	3,000
40-49	3,500	2,500	D	3,000	1,000	2,500
50-59	4,500	3,500	D	3,000	S	3,000
60-75	1,500	1,500	D	1,000	D	1,000
Chemists, except biochemists	5,500	4,000	500	3,500	1,000	4,000
<30	2,000	1,500	500	1,500	S	1,500
30-39	3,500	2,500	D	1,500	1,000	2,500
40-49	3,000	2,000	D	2,000	D	2,000
50-59	2,500	2,000	D	1,500	D	2,000
60-75	1,500	1,500	D	1,000	D	500
Earth/atmospheric/ocean scientists	3,500	3,500	D	3,000	1,000	2,000
<30	1,000	1,000	D	1,000	500	1,000
30-39	2,000	1,500	D	1,500	S	500
40-49	1,500	1,000	D	1,500	D	1,000
50-59	2,500	2,500	D	1,500	S	1,500
60-75	1,000	1,000	D	1,000	D	D
Physicists/astronomers	1,000	1,000	D	500	500	500
<30	500	500	D	D	500	*
30-39	500	500	D	D	D	D
40-49	D	D	D	D	D	D
50-59	D	D	D	D	D	D
60-75	D	D	D	D	D	D
Postsecondary teachers-physical/related sciences	1,500	1,000	1,500	1,500	D	500
<30	1,000	1,000	1,000	500	D	500
30-39	500	500	500	D	D	D
40-49	D	D	D	D	D	D
50-59	D	D	D	D	D	D
60-75	D	D	D	D	D	D
Other physical/related scientists	3,500	2,500	D	2,500	D	2,000
<30	1,000	1,000	D	500	D	*
30-39	2,000	1,500	D	1,500	D	1,500
40-49	1,500	1,000	D	1,000	D	1,500
50-59	2,500	2,000	D	2,000	D	1,500
60-75	D	D	D	D	D	D

TABLE A-10. Standard errors for employed U.S. scientists and engineers, by highest degree, occupation, age, and primary/secondary work activity: 2008

Level of highest degree, occupation, and age (years)	Primary/secondary work activity					
	Employed scientists and engineers	Research and development	Teaching	Management, sales, administration	Computer applications	Other
Social/related scientists	7,500	6,000	3,000	6,500	2,000	4,000
<30	4,000	3,500	2,000	3,000	1,000	2,000
30-39	4,000	3,000	1,500	3,500	D	2,500
40-49	4,000	2,500	D	4,000	500	1,500
50-59	4,000	3,000	D	3,500	D	2,000
60-75	2,000	S	D	2,000	D	D
Economists	1,500	1,500	D	1,500	500	500
<30	1,000	1,000	D	D	D	D
30-39	D	D	D	D	D	D
40-49	500	D	D	S	D	D
50-59	D	D	D	D	D	D
60-75	D	D	D	D	D	D
Political/related scientists	2,000	2,000	D	S	D	D
<30	1,500	1,500	D	D	D	D
30-39	S	D	D	D	D	D
40-49	D	D	D	D	D	D
50-59	D	D	D	D	D	D
60-75	D	D	D	D	D	D
Postsecondary teachers-social/related sciences	3,000	2,000	2,500	1,000	D	D
<30	2,000	2,000	2,000	1,000	D	D
30-39	1,500	D	1,500	D	D	D
40-49	D	D	D	D	D	D
50-59	D	D	D	D	D	D
60-75	D	D	D	D	D	D
Psychologists	3,000	3,000	1,500	2,000	D	2,000
<30	2,500	2,000	D	1,500	D	1,500
30-39	1,000	D	D	D	D	1,000
40-49	1,500	D	D	D	D	S
50-59	D	D	D	D	D	D
60-75	D	D	D	D	D	D
Sociologists/anthropologists	2,000	1,500	D	1,000	D	D
<30	1,500	1,500	D	1,000	D	D
30-39	1,000	1,000	D	D	D	D
40-49	D	D	D	D	D	D
50-59	D	D	D	D	D	D
60-75	D	D	D	D	D	D
Other social/related scientists	6,000	4,500	D	5,500	1,500	3,000
<30	2,500	2,000	D	2,000	D	S
30-39	3,500	2,000	D	3,000	D	S
40-49	4,000	2,500	D	4,000	D	1,500
50-59	3,000	2,500	D	2,500	D	S
60-75	2,000	D	D	2,000	D	D
Engineering occupations	17,500	12,500	3,000	15,000	6,000	9,000
<30	4,500	4,000	1,000	3,500	2,000	2,500
30-39	8,000	6,000	1,500	7,000	3,500	4,000
40-49	9,500	7,500	1,500	8,000	3,500	5,000
50-59	9,000	6,500	2,000	7,500	2,500	4,000
60-75	5,500	3,500	500	5,000	1,000	3,000
Aerospace/aeronautical/astronautical engineers	4,000	3,000	S	3,000	2,000	2,500
<30	1,000	1,000	*	500	500	500

TABLE A-10. Standard errors for employed U.S. scientists and engineers, by highest degree, occupation, age, and primary/secondary work activity: 2008

Level of highest degree, occupation, and age (years)	Employed scientists and engineers	Primary/secondary work activity				
		Research and development	Teaching	Management, sales, administration	Computer applications	Other
30-39	1,500	1,500	D	1,000	1,500	500
40-49	2,500	2,000	D	2,000	1,500	1,500
50-59	2,500	2,000	D	1,500	1,000	1,000
60-75	2,000	1,000	D	1,500	D	S
Chemical engineers	4,000	3,500	D	3,000	1,000	2,000
<30	1,000	1,000	D	500	500	500
30-39	2,500	2,500	D	2,000	D	1,000
40-49	2,000	1,500	D	1,500	500	2,000
50-59	2,000	1,500	D	1,500	500	500
60-75	1,000	1,000	D	1,000	D	500
Civil/architectural/sanitary engineers	6,500	4,000	1,500	6,500	1,500	3,500
<30	2,000	1,500	D	1,500	500	1,000
30-39	3,500	2,500	D	3,500	1,000	2,500
40-49	3,500	2,500	S	3,000	1,500	1,500
50-59	3,500	2,000	D	3,500	500	2,000
60-75	2,500	1,500	D	2,500	D	1,000
Electrical/computer hardware engineers	7,000	6,500	1,000	5,500	4,000	3,500
<30	2,500	2,000	D	2,000	1,500	1,500
30-39	4,000	3,500	D	3,000	2,500	2,000
40-49	4,500	4,000	D	3,500	2,500	2,000
50-59	4,000	3,500	D	3,000	2,000	1,500
60-75	2,000	1,500	D	2,000	1,000	500
Industrial engineers	5,000	3,500	500	4,500	1,500	3,000
<30	1,000	1,000	D	1,000	500	1,000
30-39	2,500	1,500	D	2,500	S	1,500
40-49	2,500	2,000	D	2,500	1,000	1,500
50-59	3,000	2,500	D	2,500	D	2,000
60-75	1,000	500	D	1,000	D	D
Mechanical engineers	7,000	6,000	1,500	6,500	1,500	4,000
<30	2,000	2,000	*	1,500	1,000	1,000
30-39	3,500	3,500	D	3,000	1,000	1,500
40-49	4,500	4,000	D	4,000	1,000	2,500
50-59	3,500	3,000	D	3,000	1,000	2,000
60-75	2,000	1,500	D	2,000	500	1,000
Postsecondary teachers-engineering	1,500	1,000	1,500	500	S	S
<30	1,000	S	500	D	D	D
30-39	D	D	D	D	D	D
40-49	500	D	500	D	D	D
50-59	1,000	D	1,000	D	D	D
60-75	500	D	500	D	D	D
Other engineers	9,500	6,500	1,000	8,000	2,500	5,500
<30	2,500	2,000	1,000	1,500	1,000	1,000
30-39	5,000	3,500	500	4,000	1,500	2,500
40-49	5,000	3,500	D	4,500	1,500	3,000
50-59	4,500	3,000	500	4,000	1,500	3,000
60-75	3,000	2,000	D	2,500	D	2,500
S&E-related occupations	36,000	19,500	23,500	30,500	12,500	31,000
<30	10,500	5,500	7,000	7,500	3,000	9,500
30-39	19,000	11,500	12,500	16,000	7,000	17,000
40-49	21,500	10,500	13,000	18,500	7,500	17,500

TABLE A-10. Standard errors for employed U.S. scientists and engineers, by highest degree, occupation, age, and primary/secondary work activity: 2008

Level of highest degree, occupation, and age (years)	Employed scientists and engineers	Primary/secondary work activity				
		Research and development	Teaching	Management, sales, administration	Computer applications	Other
50-59	19,500	9,000	12,000	15,000	6,000	15,500
60-75	11,000	5,000	6,000	8,500	3,000	9,000
Health occupations	31,000	12,500	20,000	23,000	6,500	29,000
<30	10,000	4,000	6,000	6,500	1,500	9,500
30-39	16,500	7,500	11,000	12,500	3,000	16,000
40-49	18,000	6,000	11,500	15,000	4,000	16,500
50-59	16,000	7,000	10,000	12,500	4,000	15,500
60-75	8,500	3,000	5,500	6,500	S	8,000
S&E managers	12,000	6,000	S	12,000	5,500	5,500
<30	1,500	1,000	D	1,500	D	1,000
30-39	6,500	3,500	D	6,500	3,000	2,500
40-49	7,500	3,500	D	7,500	3,500	3,000
50-59	6,500	3,000	D	6,500	2,000	4,000
60-75	4,000	2,000	D	4,000	1,500	1,500
S&E precollege teachers	12,500	6,500	12,000	8,500	2,000	2,500
<30	3,500	2,000	3,500	2,500	D	1,000
30-39	7,500	5,000	6,500	5,000	D	1,000
40-49	7,000	3,500	7,000	4,500	D	2,000
50-59	6,500	3,500	6,500	3,500	1,000	1,500
60-75	3,000	1,000	3,000	2,000	D	D
S&E technicians/technologists	13,500	10,500	3,000	8,500	9,000	8,000
<30	4,000	3,500	S	2,500	3,000	2,500
30-39	7,000	5,500	D	5,000	5,500	4,000
40-49	8,500	6,000	2,500	5,500	5,000	4,500
50-59	6,000	4,000	1,500	4,000	4,000	3,500
60-75	3,000	2,000	D	3,000	2,000	2,000
Other S&E-related occupations	8,500	6,500	D	7,500	2,500	6,000
<30	1,500	1,000	D	1,000	1,000	1,000
30-39	5,000	3,500	D	4,500	2,000	3,000
40-49	5,500	4,000	D	5,000	1,000	3,500
50-59	4,000	3,000	D	4,000	D	3,000
60-75	3,500	2,500	D	3,000	D	2,500
Non-S&E occupations	65,000	24,000	22,500	57,500	11,500	33,500
<30	14,500	6,500	6,500	13,000	3,000	9,000
30-39	36,500	13,000	12,000	33,500	6,500	17,500
40-49	36,500	12,000	13,000	32,000	6,000	19,000
50-59	29,000	11,500	10,500	27,000	6,500	17,000
60-75	19,000	7,000	6,000	16,500	4,000	10,500
Arts/humanities/related occupations	12,000	7,000	3,000	9,500	3,500	8,500
<30	3,500	2,000	1,500	2,500	1,000	2,500
30-39	7,000	4,500	2,000	6,000	2,500	4,500
40-49	7,000	3,500	S	5,000	2,000	5,000
50-59	6,000	3,000	D	5,000	D	4,000
60-75	3,500	2,000	D	3,500	D	3,000
Management-related occupations	26,000	10,000	6,000	25,000	6,000	13,000
<30	7,000	3,000	1,000	6,500	1,500	3,500
30-39	13,000	5,500	3,500	13,000	3,500	7,000
40-49	14,500	5,500	3,000	13,500	3,000	6,500
50-59	12,500	4,500	3,500	12,000	3,500	6,500
60-75	7,000	3,500	S	7,000	2,000	4,500

TABLE A-10. Standard errors for employed U.S. scientists and engineers, by highest degree, occupation, age, and primary/secondary work activity: 2008

Level of highest degree, occupation, and age (years)	Employed scientists and engineers	Primary/secondary work activity				
		Research and development	Teaching	Management, sales, administration	Computer applications	Other
Non-S&E managers	21,000	7,500	3,500			
<30	2,500	1,000	D	2,000	D	1,000
30-39	10,500	3,500	S	10,500	2,500	3,500
40-49	12,000	5,000	1,000	12,000	1,500	4,500
50-59	11,500	4,000	3,000	11,500	2,500	5,500
60-75	6,500	2,500	D	6,500	D	3,000
Non-S&E postsecondary teachers	3,500	2,000	3,500	3,000	1,000	1,500
<30	2,000	1,000	1,500	1,000	D	S
30-39	1,500	D	1,500	D	D	D
40-49	2,000	1,000	2,000	S	D	D
50-59	1,500	D	1,500	1,500	D	D
60-75	2,000	S	1,500	D	D	D
Non-S&E precollege/other teachers	18,000	7,000	17,500	10,000	3,500	7,000
<30	5,000	2,000	5,000	3,000	D	1,500
30-39	7,500	4,000	7,500	4,000	D	3,000
40-49	10,500	4,500	10,000	6,500	S	5,000
50-59	8,500	3,500	8,000	4,500	2,500	3,500
60-75	5,000	2,500	4,500	3,000	D	D
Sales/marketing occupations	28,000	11,000	6,000	27,500	5,000	12,000
<30	7,000	2,500	1,500	7,000	1,500	2,500
30-39	14,500	6,000	2,500	14,500	3,000	6,500
40-49	17,000	6,000	4,000	16,500	3,000	6,000
50-59	13,500	5,000	3,000	13,500	2,000	6,000
60-75	10,000	3,500	D	10,000	2,000	4,500
Social services/related occupations	12,500	4,500	6,000	9,000	2,500	11,000
<30	5,000	1,500	2,500	3,500	1,500	4,500
30-39	7,000	2,500	4,000	4,500	D	6,500
40-49	6,500	2,500	2,500	5,000	D	5,000
50-59	7,000	D	2,500	6,000	2,000	6,500
60-75	3,000	D	1,500	2,500	D	2,500
Other non-S&E occupations	37,000	14,000	11,000	31,500	6,500	24,000
<30	10,500	4,500	3,500	9,000	2,500	7,000
30-39	19,000	7,000	6,500	17,000	3,000	11,000
40-49	21,000	6,000	5,500	18,500	3,500	13,500
50-59	18,500	8,000	5,500	15,500	4,500	12,500
60-75	13,500	4,000	3,000	11,500	3,000	8,500
Master's degrees, all occupations	50,000	26,500	27,500	43,000	14,000	28,000
<30	11,500	6,500	7,000	8,000	3,500	8,000
30-39	26,500	15,000	15,500	20,000	7,500	15,000
40-49	26,000	13,500	14,500	24,000	7,500	17,500
50-59	28,000	14,500	14,500	22,500	8,000	17,000
60-75	20,000	8,500	10,000	15,500	4,500	13,500
S&E occupations	23,000	17,000	7,000	16,000	11,500	9,500
<30	5,500	4,000	2,500	3,000	3,000	3,000
30-39	12,000	9,000	4,000	8,500	6,500	4,500
40-49	11,000	8,000	3,000	9,000	6,000	5,000
50-59	11,500	8,500	3,500	8,000	5,500	5,000
60-75	6,500	4,000	3,500	4,500	3,000	4,000
Science occupations	19,000	14,000	7,000	12,000	11,000	8,500
<30	5,000	3,500	2,500	3,000	3,000	3,000
30-39	11,000	8,500	4,000	7,500	6,500	4,000

TABLE A-10. Standard errors for employed U.S. scientists and engineers, by highest degree, occupation, age, and primary/secondary work activity: 2008

Level of highest degree, occupation, and age (years)	Employed scientists and engineers	Primary/secondary work activity				
		Research and development	Teaching	Management, sales, administration	Computer applications	Other
40-49	9,500	7,000	3,000	7,500	6,000	4,500
50-59	9,000	6,500	3,000	6,000	5,500	4,500
60-75	5,500	3,000	3,500	3,500	3,000	3,000
Biological/agricultural/other life scientists	6,000	5,500	2,500	4,000	3,000	3,000
<30	2,000	2,000	1,000	1,500	500	1,000
30-39	3,500	3,000	1,000	2,500	1,500	1,500
40-49	3,500	3,000	1,000	2,500	S	1,500
50-59	3,500	3,000	1,000	2,500	S	2,000
60-75	1,500	1,000	1,500	1,500	D	1,000
Agricultural/food scientists	2,500	2,000	D	2,000	D	1,500
<30	500	500	D	500	D	D
30-39	1,500	1,000	D	1,500	D	D
40-49	1,500	1,500	D	1,500	D	D
50-59	1,500	1,500	D	1,500	D	D
60-75	S	D	D	D	D	D
Biological/medical scientists	4,500	4,500	1,000	3,500	2,500	2,500
<30	2,000	2,000	S	1,000	500	1,000
30-39	3,000	2,500	S	2,000	1,500	1,000
40-49	3,000	2,500	S	2,500	S	1,500
50-59	2,500	2,500	D	2,000	500	1,500
60-75	1,000	1,000	D	1,000	D	500
Environmental life scientists	2,500	1,500	D	2,000	D	1,500
<30	500	500	D	500	D	D
30-39	1,000	1,000	D	1,000	D	D
40-49	1,000	D	D	S	D	D
50-59	2,000	1,000	D	1,500	D	D
60-75	D	D	D	D	D	D
Postsecondary teachers-life/related sciences	2,500	2,000	2,000	1,500	D	1,000
<30	1,000	S	1,000	*	D	D
30-39	1,000	1,000	1,000	500	D	D
40-49	1,000	D	1,000	500	D	D
50-59	1,500	D	1,000	500	D	D
60-75	1,500	D	1,500	D	D	D
Computer/mathematical scientists	14,500	10,500	4,500	10,000	10,500	5,000
<30	3,000	2,500	1,000	2,000	2,500	1,000
30-39	9,000	7,000	3,000	6,000	6,500	2,000
40-49	7,500	5,500	1,500	6,000	5,500	3,000
50-59	6,500	5,000	2,000	4,500	5,000	2,500
60-75	3,500	2,000	2,000	3,000	3,000	1,500
Computer/information scientists	13,500	9,500	2,500	10,000	10,500	4,500
<30	3,000	2,500	D	2,000	2,500	1,000
30-39	8,000	6,500	2,000	6,000	6,500	2,000
40-49	7,000	5,000	1,000	5,500	5,500	3,000
50-59	6,000	4,500	1,500	4,500	5,000	2,500
60-75	3,000	1,500	D	2,500	3,000	1,000
Mathematical scientists	4,500	3,500	S	3,000	2,500	1,500
<30	1,000	1,000	*	500	500	500
30-39	3,000	2,500	D	1,500	1,000	500
40-49	3,000	2,000	D	2,000	2,000	D
50-59	2,000	2,000	D	1,500	1,500	D
60-75	1,000	1,000	D	D	D	D

TABLE A-10. Standard errors for employed U.S. scientists and engineers, by highest degree, occupation, age, and primary/secondary work activity: 2008

Level of highest degree, occupation, and age (years)	Employed scientists and engineers	Primary/secondary work activity					Other
		Research and development	Teaching	Management, sales, administration	Computer applications		
Postsecondary teachers-computer/mathematical sciences	3,500	2,000	3,500	2,000	1,000	1,000	
<30	1,000	500	1,000	500	*	D	
30-39	2,000	2,000	2,000	500	D	S	
40-49	1,500	1,000	1,500	500	S	D	
50-59	1,500	1,000	1,500	1,000	1,000	500	
60-75	2,000	500	2,000	1,500	D	D	
Physical/related scientists	4,000	3,500	2,000	3,000	1,500	2,000	
<30	1,500	1,000	500	500	500	500	
30-39	2,000	2,000	1,000	1,500	500	1,000	
40-49	3,000	2,000	1,500	2,500	1,000	1,500	
50-59	2,500	2,000	1,500	2,000	500	1,500	
60-75	1,500	1,000	1,500	1,000	D	500	
Chemists, except biochemists	2,500	2,000	1,000	2,000	*	1,500	
<30	500	500	*	*	D	500	
30-39	1,500	1,500	D	1,000	D	1,000	
40-49	1,500	1,500	D	1,500	D	1,000	
50-59	1,500	1,000	D	1,000	D	1,000	
60-75	1,000	500	D	1,000	D	500	
Earth/atmospheric/ocean scientists	2,500	2,000	D	2,500	1,000	1,500	
<30	1,000	500	D	500	500	500	
30-39	1,000	1,000	D	1,000	500	500	
40-49	2,000	1,500	D	1,500	S	1,500	
50-59	1,500	1,500	D	1,500	D	1,000	
60-75	500	500	D	500	D	D	
Physicists/astronomers	1,000	1,000	D	500	500	500	
<30	500	500	D	D	500	D	
30-39	500	500	D	500	*	D	
40-49	500	500	D	D	D	D	
50-59	500	D	D	D	D	D	
60-75	D	D	D	D	D	D	
Postsecondary teachers-physical/related sciences	2,000	1,500	2,000	1,000	S	*	
<30	500	500	500	500	D	D	
30-39	1,000	500	1,000	S	D	D	
40-49	1,000	S	1,000	D	D	D	
50-59	1,500	S	1,500	D	D	D	
60-75	1,500	D	1,500	D	D	D	
Other physical/related scientists	2,000	1,000	D	2,000	S	1,000	
<30	500	500	D	500	D	D	
30-39	1,000	500	D	500	D	500	
40-49	1,500	1,000	D	1,500	D	500	
50-59	1,000	500	D	500	D	D	
60-75	D	D	D	D	D	D	
Social/related scientists	9,500	6,000	4,500	6,500	2,000	6,500	
<30	3,000	2,000	2,000	1,500	1,000	2,500	
30-39	5,000	4,000	1,500	3,500	1,500	3,000	
40-49	4,500	3,000	2,000	3,500	D	3,000	
50-59	4,500	2,500	2,000	3,500	D	3,500	
60-75	3,500	1,500	2,500	2,000	D	2,500	

TABLE A-10. Standard errors for employed U.S. scientists and engineers, by highest degree, occupation, age, and primary/secondary work activity: 2008

Level of highest degree, occupation, and age (years)	Employed scientists and engineers	Primary/secondary work activity				
		Research and development	Teaching	Management, sales, administration	Computer applications	Other
Economists	2,500	1,500	D	2,000	1,000	1,500
<30	1,000	1,000	D	500	S	500
30-39	1,500	1,500	D	1,500	*	1,000
40-49	2,000	500	D	1,500	D	1,500
50-59	500	D	D	500	D	D
60-75	1,000	D	D	S	D	500
Political/related scientists	2,500	1,500	D	2,000	D	2,000
<30	1,000	1,000	D	1,000	D	S
30-39	1,000	1,000	D	1,000	D	S
40-49	D	D	D	D	D	D
50-59	D	D	D	D	D	D
60-75	D	D	D	D	D	D
Postsecondary teachers-social/related sciences	3,500	2,000	3,000	1,500	S	2,000
<30	1,500	500	1,500	500	D	D
30-39	1,500	1,000	1,500	500	D	*
40-49	2,000	1,500	1,500	1,000	D	1,000
50-59	1,500	1,000	1,500	500	D	D
60-75	1,500	1,500	1,500	1,000	D	1,000
Psychologists	6,000	3,000	3,000	3,500	D	5,500
<30	2,000	1,500	1,500	1,000	D	2,000
30-39	2,500	2,000	1,000	1,500	D	2,000
40-49	3,000	1,500	1,500	2,500	D	2,000
50-59	3,500	1,500	1,500	2,500	D	3,500
60-75	2,500	1,000	1,500	1,500	D	2,500
Sociologists/anthropologists	2,000	2,000	S	1,500	D	500
<30	1,000	1,000	D	500	D	D
30-39	1,000	1,000	D	1,000	D	D
40-49	500	S	D	D	D	D
50-59	S	S	D	S	D	D
60-75	500	500	D	D	D	D
Other social/related scientists	5,500	4,000	1,000	4,500	1,500	2,500
<30	1,500	1,500	D	1,000	D	S
30-39	3,500	2,500	D	3,000	1,000	2,000
40-49	3,000	2,500	D	2,500	D	1,500
50-59	2,500	2,000	D	2,000	D	1,500
60-75	1,500	D	D	1,500	D	D
Engineering occupations	10,000	8,000	2,500	9,000	3,500	4,500
<30	2,500	2,500	1,000	1,500	1,500	1,500
30-39	5,000	4,500	1,000	4,500	2,000	2,500
40-49	5,000	4,000	1,000	4,500	2,000	2,500
50-59	6,000	4,500	2,000	5,500	2,000	2,500
60-75	3,500	2,500	500	3,500	1,000	2,000
Aerospace/aeronautical/astronautical engineers	3,000	2,000	500	3,000	1,000	1,500
<30	500	500	*	500	500	*
30-39	1,500	1,500	D	1,500	500	500
40-49	1,500	1,500	D	1,500	500	1,000
50-59	1,500	1,000	D	1,500	1,000	500
60-75	1,500	1,000	D	1,500	D	1,500
Chemical engineers	2,500	2,000	D	2,000	1,000	1,000
<30	500	500	D	500	*	*

TABLE A-10. Standard errors for employed U.S. scientists and engineers, by highest degree, occupation, age, and primary/secondary work activity: 2008

Level of highest degree, occupation, and age (years)	Employed scientists and engineers	Primary/secondary work activity				
		Research and development	Teaching	Management, sales, administration	Computer applications	Other
30-39	1,000	1,000	D	1,000	500	500
40-49	1,500	1,000	D	1,000	D	500
50-59	1,500	1,500	D	1,500	D	1,000
60-75	1,000	1,000	D	1,000	D	500
Civil/architectural/sanitary engineers	4,500	3,000	*	4,000	1,500	2,500
<30	1,000	1,000	D	1,000	500	500
30-39	2,500	1,500	D	2,500	500	1,500
40-49	2,500	1,500	D	2,000	S	1,000
50-59	2,500	2,500	D	2,500	500	1,500
60-75	1,500	1,000	D	1,500	D	1,000
Electrical/computer hardware engineers	5,500	5,000	1,000	4,000	2,500	2,000
<30	1,500	1,500	D	1,000	1,500	1,000
30-39	3,000	3,000	D	2,000	2,000	1,000
40-49	3,500	2,500	D	2,500	1,500	1,500
50-59	2,500	2,500	D	2,000	1,000	1,000
60-75	1,500	1,000	D	1,000	500	500
Industrial engineers	3,000	2,500	D	2,500	500	1,500
<30	500	500	D	500	*	500
30-39	2,000	1,500	D	2,000	*	1,500
40-49	2,000	2,000	D	1,500	D	1,000
50-59	1,000	500	D	1,000	500	1,000
60-75	500	D	D	500	D	D
Mechanical engineers	4,500	4,000	500	4,000	1,000	1,500
<30	1,000	1,000	D	1,000	500	500
30-39	2,500	2,000	D	2,000	1,000	1,000
40-49	3,000	2,500	D	2,500	500	1,000
50-59	2,500	2,000	D	2,000	500	1,000
60-75	2,000	1,500	D	2,000	D	500
Postsecondary teachers-engineering	1,500	1,000	1,500	1,000	*	*
<30	1,000	500	500	*	*	D
30-39	500	500	500	*	D	D
40-49	1,000	S	1,000	D	D	D
50-59	500	D	500	D	D	D
60-75	500	D	500	D	D	D
Other engineers	5,500	3,500	S	5,000	1,500	2,500
<30	1,000	1,000	*	1,000	500	500
30-39	2,000	2,000	*	2,000	1,000	1,000
40-49	3,000	1,500	D	2,500	1,000	1,500
50-59	3,500	2,000	D	3,500	1,000	1,500
60-75	2,000	2,000	D	1,500	D	1,000
S&E-related occupations	27,500	13,000	19,000	21,500	7,000	17,000
<30	6,000	3,000	4,000	3,500	1,500	4,500
30-39	15,500	8,500	10,500	11,000	4,000	8,000
40-49	14,500	7,000	9,500	10,500	3,500	10,500
50-59	14,000	6,500	9,500	10,500	3,500	9,500
60-75	9,000	4,500	5,500	6,000	2,000	6,500
Health occupations	18,000	8,000	11,000	12,500	3,500	15,500
<30	4,500	2,500	2,500	2,500	500	4,500
30-39	9,500	5,000	5,000	7,000	S	8,000
40-49	10,500	4,000	6,500	6,500	1,500	9,500

TABLE A-10. Standard errors for employed U.S. scientists and engineers, by highest degree, occupation, age, and primary/secondary work activity: 2008

Level of highest degree, occupation, and age (years)	Employed scientists and engineers	Primary/secondary work activity				
		Research and development	Teaching	Management, sales, administration	Computer applications	Other
50-59	10,000	4,500	7,000	7,000	1,500	8,500
60-75	6,000	3,000	3,500	4,500	1,500	5,500
S&E managers	11,500	4,500	1,500	11,500	3,500	4,000
<30	1,000	S	D	1,000	D	D
30-39	4,000	1,500	D	4,000	1,500	1,500
40-49	6,000	3,000	D	6,000	2,000	2,500
50-59	6,500	2,500	D	6,500	2,500	2,500
60-75	3,500	1,500	D	3,500	500	2,000
S&E precollege teachers	15,000	8,000	15,000	10,000	3,000	2,500
<30	3,000	1,500	3,000	2,500	1,000	S
30-39	9,000	5,500	9,500	5,500	S	1,500
40-49	8,000	4,000	7,500	5,500	2,000	2,000
50-59	7,000	3,000	7,000	4,500	2,000	1,500
60-75	4,000	2,000	4,000	3,000	D	1,500
S&E technicians/technologists	6,000	4,500	500	3,500	4,000	2,500
<30	1,500	1,500	D	1,000	1,000	1,000
30-39	4,000	3,000	D	2,000	3,000	1,000
40-49	3,000	2,000	D	2,000	2,500	1,500
50-59	2,500	2,000	D	2,000	1,500	1,500
60-75	2,000	1,500	D	1,500	1,000	1,500
Other S&E-related occupations	5,500	4,500	D	4,500	1,500	3,500
<30	500	*	D	500	S	500
30-39	3,000	2,500	D	2,500	D	2,000
40-49	3,000	2,000	D	2,500	D	2,500
50-59	2,500	2,500	D	2,500	D	2,500
60-75	2,500	2,000	D	1,500	D	1,000
Non-S&E occupations	43,500	18,000	21,500	37,500	8,000	24,000
<30	8,500	4,000	5,500	6,500	1,500	5,500
30-39	22,000	9,500	10,500	18,000	3,500	12,500
40-49	22,500	9,500	11,000	20,500	4,000	13,500
50-59	21,000	9,000	12,500	18,500	4,500	13,000
60-75	16,000	6,000	7,000	13,000	3,000	10,500
Arts/humanities/related occupations	8,000	4,000	3,500	6,500	2,000	5,000
<30	1,500	1,500	D	1,000	D	1,500
30-39	3,000	2,000	D	2,500	D	1,500
40-49	4,500	2,500	3,000	3,500	D	2,500
50-59	5,000	2,000	D	4,500	D	3,000
60-75	3,500	2,000	D	3,000	D	2,500
Management-related occupations	17,000	7,500	3,500	16,000	3,500	8,500
<30	2,500	1,500	500	2,500	1,000	1,500
30-39	8,500	4,000	1,000	8,500	1,500	3,500
40-49	10,000	4,000	2,000	9,500	2,000	5,500
50-59	9,500	4,500	2,000	9,000	2,500	5,000
60-75	7,000	2,500	2,000	6,500	1,500	4,500
Non-S&E managers	18,500	6,500	4,500	18,500	3,000	9,000
<30	2,000	1,500	1,000	2,000	*	1,000
30-39	8,500	2,500	2,000	8,500	1,500	4,500
40-49	11,000	3,500	2,500	11,000	2,000	5,500
50-59	9,500	3,500	3,000	9,500	2,000	4,500
60-75	7,000	1,500	2,000	7,000	S	4,500

TABLE A-10. Standard errors for employed U.S. scientists and engineers, by highest degree, occupation, age, and primary/secondary work activity: 2008

Level of highest degree, occupation, and age (years)	Employed scientists and engineers	Primary/secondary work activity				
		Research and development	Teaching	Management, sales, administration	Computer applications	Other
Non-S&E postsecondary teachers	6,500	3,500	6,000	3,500	S	2,000
<30	2,500	1,000	2,500	S	S	D
30-39	4,000	2,500	4,000	2,000	D	1,500
40-49	3,000	1,500	2,500	2,500	D	D
50-59	3,500	1,500	3,000	2,000	D	1,500
60-75	2,000	1,500	2,000	1,000	D	500
Non-S&E precollege/other teachers	16,500	7,000	16,500	10,500	3,000	7,000
<30	4,500	2,500	4,000	2,500	D	1,500
30-39	8,500	3,500	8,500	5,500	S	3,500
40-49	8,000	3,500	8,000	5,000	D	3,000
50-59	9,500	4,500	9,500	6,500	2,500	4,500
60-75	5,000	2,500	5,000	3,000	D	1,500
Sales/marketing occupations	15,500	6,000	2,000	15,000	2,500	7,500
<30	2,500	1,000	D	2,500	D	1,500
30-39	7,500	4,000	500	7,500	1,500	4,000
40-49	8,000	3,000	1,500	7,500	2,000	3,500
50-59	7,500	2,500	S	7,000	1,000	3,000
60-75	7,000	2,500	D	6,500	D	3,500
Social services/related occupations	14,500	5,000	7,500	11,000	2,500	13,000
<30	5,000	2,000	2,500	3,500	D	4,500
30-39	8,000	3,000	4,000	6,000	S	7,500
40-49	8,000	2,500	4,000	5,500	D	7,000
50-59	8,000	3,000	4,500	6,500	1,500	7,500
60-75	5,500	2,000	3,000	4,000	D	5,000
Other non-S&E occupations	17,500	8,500	8,000	15,000	3,500	11,000
<30	4,000	2,000	2,000	3,000	500	2,500
30-39	10,000	5,000	4,000	8,000	S	6,500
40-49	9,000	4,000	4,500	8,500	2,000	6,000
50-59	9,000	4,000	4,000	8,000	2,500	6,000
60-75	7,000	3,000	2,500	6,000	1,500	4,500
Doctoral degrees, all occupations	10,000	7,500	6,000	7,500	2,500	6,000
<30	2,000	2,000	1,000	1,000	1,000	1,500
30-39	5,000	4,000	3,000	3,000	1,500	3,000
40-49	5,000	4,000	3,000	4,000	2,000	2,500
50-59	6,500	4,000	3,000	5,500	1,000	3,500
60-75	4,500	3,000	3,500	3,500	1,000	3,000
S&E occupations	6,000	5,500	3,500	4,000	2,500	2,500
<30	2,000	2,000	1,000	1,000	1,000	500
30-39	3,500	3,000	2,000	2,500	1,500	2,000
40-49	3,000	3,000	1,500	2,000	1,500	1,000
50-59	3,000	2,500	2,000	2,000	1,000	1,500
60-75	3,000	2,000	2,000	1,500	1,000	1,500
Science occupations	6,000	5,000	3,500	3,500	2,500	2,500
<30	1,500	1,500	500	1,000	500	500
30-39	3,500	3,000	1,500	2,000	1,500	2,000
40-49	3,000	3,000	1,500	2,000	1,500	1,000
50-59	2,500	2,500	2,000	2,000	1,000	1,000
60-75	2,500	2,000	2,000	1,500	1,000	1,500
Biological/agricultural/other life scientists	3,500	3,500	1,500	2,500	500	1,000
<30	1,500	1,500	D	500	*	*
30-39	2,000	2,000	1,000	1,500	500	500

TABLE A-10. Standard errors for employed U.S. scientists and engineers, by highest degree, occupation, age, and primary/secondary work activity: 2008

Level of highest degree, occupation, and age (years)	Employed scientists and engineers	Primary/secondary work activity					Other
		Research and development	Teaching	Management, sales, administration	Computer applications		
40-49	2,000	2,000	1,000	1,500	500	1,000	
50-59	1,500	1,500	1,000	1,000	500	500	
60-75	1,000	1,000	1,000	1,000	500	500	
Agricultural/food scientists	1,000	1,000	*	500	*	500	
<30	*	*	D	D	D	D	
30-39	500	500	D	500	D	*	
40-49	500	500	D	500	D	*	
50-59	500	500	D	500	D	500	
60-75	500	500	D	500	D	*	
Biological/medical scientists	3,000	3,000	500	2,000	500	1,000	
<30	1,500	1,500	D	500	*	*	
30-39	2,000	2,000	500	1,500	500	500	
40-49	1,500	1,500	*	1,500	500	500	
50-59	1,500	1,500	500	1,000	*	500	
60-75	1,000	1,000	500	500	500	500	
Environmental life scientists	500	500	D	500	D	*	
<30	D	D	D	D	D	D	
30-39	*	*	D	*	D	D	
40-49	*	*	D	*	D	*	
50-59	500	*	D	*	D	D	
60-75	*	*	D	D	D	D	
Postsecondary teachers-life/related sciences	1,500	1,500	1,500	1,000	*	500	
<30	D	D	D	D	D	D	
30-39	1,000	1,000	1,000	500	D	500	
40-49	1,000	1,000	1,000	500	D	500	
50-59	1,000	1,000	1,000	500	D	500	
60-75	1,000	1,000	1,000	500	D	*	
Computer/mathematical scientists	3,000	2,500	1,500	2,000	2,000	1,500	
<30	1,000	500	500	500	500	D	
30-39	2,000	1,000	1,000	1,500	1,000	1,500	
40-49	2,000	2,000	1,000	1,000	1,500	500	
50-59	1,500	1,500	1,000	1,000	1,000	500	
60-75	1,500	1,000	1,000	1,000	1,000	1,000	
Computer/information scientists	2,500	2,000	500	1,500	2,000	1,500	
<30	500	500	D	500	500	D	
30-39	1,500	1,000	D	1,500	1,000	S	
40-49	1,500	1,500	*	1,000	1,500	500	
50-59	1,000	1,000	D	500	1,000	500	
60-75	1,000	1,000	S	1,000	1,000	*	
Mathematical scientists	1,500	1,000	*	1,000	1,000	1,000	
<30	500	500	D	D	*	D	
30-39	500	500	D	500	500	*	
40-49	1,000	1,000	D	500	500	*	
50-59	500	500	*	500	500	500	
60-75	1,000	500	D	500	500	S	
Postsecondary teachers-computer/mathematical sciences	1,500	1,500	1,500	1,000	1,000	500	
<30	500	500	500	D	D	D	
30-39	1,000	500	1,000	500	S	*	
40-49	1,000	1,000	1,000	500	*	*	

TABLE A-10. Standard errors for employed U.S. scientists and engineers, by highest degree, occupation, age, and primary/secondary work activity: 2008

Level of highest degree, occupation, and age (years)	Employed scientists and engineers	Primary/secondary work activity				
		Research and development	Teaching	Management, sales, administration	Computer applications	Other
50-59	1,000	1,000	1,000	500	500	500
60-75	500	500	500	500	*	*
Physical/related scientists	2,000	2,000	1,500	1,500	1,000	1,000
<30	1,000	1,000	*	*	500	*
30-39	1,000	1,000	1,000	500	500	500
40-49	1,500	1,000	1,000	1,000	500	500
50-59	1,000	1,000	1,000	1,000	500	500
60-75	1,000	1,000	500	500	500	500
Chemists, except biochemists	1,500	1,500	500	1,000	500	500
<30	500	500	D	*	D	D
30-39	500	500	*	500	*	500
40-49	1,000	1,000	D	1,000	D	500
50-59	1,000	1,000	*	500	*	500
60-75	500	500	*	500	*	500
Earth/atmospheric/ocean scientists	1,000	1,000	*	500	500	500
<30	500	500	D	D	D	D
30-39	500	500	D	500	500	*
40-49	500	500	D	500	500	*
50-59	500	500	*	500	500	500
60-75	500	500	D	500	*	*
Physicists/astronomers	1,000	1,000	*	500	500	500
<30	500	500	D	D	*	D
30-39	500	500	D	500	500	*
40-49	500	500	D	500	500	*
50-59	500	500	*	500	500	*
60-75	500	500	D	500	500	*
Postsecondary teachers-physical/related sciences	1,500	1,000	1,500	500	*	500
<30	*	*	*	D	D	D
30-39	1,000	1,000	1,000	500	D	500
40-49	1,000	1,000	1,000	500	D	500
50-59	1,000	500	1,000	500	D	*
60-75	500	500	500	500	D	*
Other physical/related scientists	1,000	500	*	500	*	500
<30	500	500	D	D	D	D
30-39	500	500	D	*	D	*
40-49	500	500	D	*	D	*
50-59	500	500	D	*	D	*
60-75	500	500	D	500	D	*
Social/related scientists	3,000	2,500	2,500	2,000	500	2,000
<30	1,000	500	500	500	D	S
30-39	1,500	1,500	1,000	1,000	500	1,500
40-49	1,500	1,500	1,000	1,000	500	1,000
50-59	1,500	1,000	1,000	1,000	500	1,000
60-75	1,500	1,000	1,500	1,000	*	1,000
Economists	500	500	*	500	500	500
<30	*	*	D	D	D	D
30-39	500	500	D	500	*	500
40-49	500	500	D	500	*	500
50-59	500	500	D	500	*	500
60-75	500	500	D	500	*	500

TABLE A-10. Standard errors for employed U.S. scientists and engineers, by highest degree, occupation, age, and primary/secondary work activity: 2008

Level of highest degree, occupation, and age (years)	Employed scientists and engineers	Primary/secondary work activity					Other
		Research and development	Teaching	Management, sales, administration	Computer applications		
Political/related scientists	500	500	*	500	D	*	
<30	D	D	D	D	D	D	
30-39	*	*	D	*	D	D	
40-49	*	*	D	*	D	D	
50-59	*	*	D	*	D	D	
60-75	*	*	D	D	D	D	
Postsecondary teachers-social/related sciences	2,500	1,500	2,000	1,000	*	1,000	
<30	500	500	500	D	D	D	
30-39	1,000	1,000	1,000	500	D	500	
40-49	1,000	1,000	1,000	1,000	D	500	
50-59	1,500	1,000	1,000	1,000	D	500	
60-75	1,500	1,000	1,500	500	D	500	
Psychologists	2,000	1,500	500	1,500	500	1,500	
<30	500	*	D	*	D	S	
30-39	1,500	1,000	500	1,000	S	1,500	
40-49	1,000	500	500	500	D	1,000	
50-59	1,000	500	500	500	*	1,000	
60-75	1,000	500	500	500	D	1,000	
Sociologists/anthropologists	500	500	*	500	*	500	
<30	D	D	D	D	D	D	
30-39	500	500	D	500	D	*	
40-49	500	500	D	500	D	*	
50-59	500	500	D	500	D	*	
60-75	500	500	D	*	D	*	
Other social/related scientists	1,000	1,000	500	500	500	500	
<30	D	D	D	D	D	D	
30-39	500	500	D	500	*	*	
40-49	500	500	D	500	*	*	
50-59	500	500	*	500	D	500	
60-75	500	500	D	*	D	*	
Engineering occupations	2,500	2,500	1,500	1,500	1,000	1,000	
<30	1,000	1,000	*	500	500	*	
30-39	1,500	1,500	1,000	1,000	1,000	500	
40-49	1,500	1,000	500	1,000	500	500	
50-59	1,500	1,000	1,000	1,000	500	500	
60-75	1,500	1,500	500	1,000	500	500	
Aerospace/aeronautical/astronautical engineers	1,000	1,000	D	500	500	*	
<30	*	*	D	D	D	D	
30-39	500	500	D	*	*	*	
40-49	500	500	D	500	*	D	
50-59	500	500	D	500	*	D	
60-75	500	500	D	*	*	D	
Chemical engineers	1,000	1,000	D	500	500	500	
<30	*	*	D	D	D	D	
30-39	500	500	D	500	D	*	
40-49	500	500	D	500	*	*	
50-59	500	500	D	500	*	*	
60-75	500	500	D	*	D	D	
Civil/architectural/sanitary engineers	1,000	500	D	500	500	500	
<30	*	*	D	D	D	D	

TABLE A-10. Standard errors for employed U.S. scientists and engineers, by highest degree, occupation, age, and primary/secondary work activity: 2008

Level of highest degree, occupation, and age (years)	Employed scientists and engineers	Primary/secondary work activity				
		Research and development	Teaching	Management, sales, administration	Computer applications	Other
30-39	500	500	D	*	*	*
40-49	500	500	D	500	D	*
50-59	500	500	D	500	D	500
60-75	500	500	D	500	D	*
Electrical/computer hardware engineers	1,500	1,500	D	1,000	1,000	500
<30	500	500	D	D	500	D
30-39	1,000	1,000	D	500	500	*
40-49	1,000	500	D	500	500	*
50-59	500	500	D	500	500	500
60-75	1,000	1,000	D	500	500	500
Industrial engineers	500	500	D	500	D	*
<30	D	D	D	D	D	D
30-39	*	*	D	D	D	D
40-49	500	*	D	*	D	D
50-59	500	500	D	*	D	D
60-75	*	*	D	D	D	D
Mechanical engineers	1,000	1,000	*	500	500	500
<30	500	500	D	D	D	D
30-39	500	500	D	500	500	D
40-49	500	500	D	500	*	*
50-59	500	500	D	500	*	D
60-75	500	500	D	*	D	*
Postsecondary teachers-engineering	1,500	1,500	1,500	500	*	500
<30	*	*	*	D	D	D
30-39	1,000	1,000	1,000	*	D	D
40-49	500	500	500	500	D	*
50-59	1,000	500	1,000	500	D	*
60-75	500	500	500	500	*	*
Other engineers	1,500	1,500	500	1,000	500	500
<30	500	500	D	*	D	D
30-39	1,000	1,000	D	1,000	500	500
40-49	1,000	1,000	D	500	*	500
50-59	500	500	*	500	*	500
60-75	500	500	*	500	*	500
S&E-related occupations	4,500	3,000	3,000	3,000	1,000	3,000
<30	1,500	1,000	*	*	D	S
30-39	2,500	1,000	2,000	1,000	500	2,000
40-49	2,000	1,500	1,500	1,500	1,000	1,000
50-59	2,500	1,500	1,500	2,000	500	1,500
60-75	2,000	2,000	2,000	1,000	500	1,000
Health occupations	3,500	2,500	2,000	2,000	500	2,500
<30	1,500	S	*	*	D	S
30-39	1,500	1,000	1,000	1,000	D	1,500
40-49	1,500	1,500	1,000	1,500	D	1,000
50-59	2,000	1,000	1,500	1,500	*	1,500
60-75	1,000	1,000	500	500	*	1,000
S&E managers	1,500	1,000	*	1,500	500	500
<30	*	*	D	*	D	D
30-39	500	500	D	500	*	500
40-49	1,000	1,000	D	1,000	*	500

TABLE A-10. Standard errors for employed U.S. scientists and engineers, by highest degree, occupation, age, and primary/secondary work activity: 2008

Level of highest degree, occupation, and age (years)	Employed scientists and engineers	Primary/secondary work activity				
		Research and development	Teaching	Management, sales, administration	Computer applications	Other
50-59	1,000	1,000	D	1,000	*	500
60-75	1,000	500	*	1,000	*	500
S&E precollege teachers	3,000	2,000	3,000	1,000	*	S
<30	D	D	D	D	D	D
30-39	2,000	D	2,000	S	D	D
40-49	1,000	S	1,000	500	D	*
50-59	1,000	500	1,000	500	D	*
60-75	2,000	D	2,000	1,000	D	D
S&E technicians/technologists	1,000	1,000	D	500	500	500
<30	*	*	D	D	D	D
30-39	500	500	D	*	*	*
40-49	500	500	D	*	500	D
50-59	500	500	D	500	*	*
60-75	500	*	D	*	D	D
Other S&E-related occupations	500	*	D	*	*	*
<30	D	D	D	D	D	D
30-39	D	D	D	D	D	D
40-49	*	D	D	D	D	D
50-59	D	D	D	D	D	D
60-75	D	D	D	D	D	D
Non-S&E occupations	7,000	4,500	4,000	6,000	1,000	4,500
<30	500	500	500	500	D	500
30-39	2,500	2,500	2,000	2,000	500	1,000
40-49	3,500	2,000	2,000	3,000	1,000	2,000
50-59	5,000	3,000	2,500	4,500	500	3,000
60-75	3,500	1,500	2,500	2,500	500	3,000
Arts/humanities/related occupations	1,000	1,000	500	1,000	*	1,000
<30	D	D	D	D	D	D
30-39	1,000	S	*	500	D	1,000
40-49	500	500	D	500	D	500
50-59	500	500	*	500	D	500
60-75	1,000	1,000	S	500	D	500
Management-related occupations	3,500	3,000	500	3,000	500	2,500
<30	*	*	D	*	D	*
30-39	2,000	2,000	*	2,000	*	1,000
40-49	1,000	500	*	1,000	500	500
50-59	2,500	2,000	*	2,000	*	2,000
60-75	1,000	500	*	1,000	D	1,000
Non-S&E managers	4,000	2,000	1,000	4,000	500	1,500
<30	D	D	D	D	D	D
30-39	1,000	1,000	D	1,000	*	500
40-49	2,000	1,000	S	2,500	500	1,500
50-59	3,000	1,500	500	3,000	*	1,000
60-75	2,000	1,000	S	2,000	*	1,000
Non-S&E postsecondary teachers	3,500	3,000	3,500	2,000	*	2,000
<30	*	*	*	D	D	D
30-39	2,000	2,000	2,000	500	D	500
40-49	2,000	1,500	2,000	1,000	D	500
50-59	2,000	1,500	2,000	1,500	D	500
60-75	2,000	1,000	2,000	1,000	D	S

TABLE A-10. Standard errors for employed U.S. scientists and engineers, by highest degree, occupation, age, and primary/secondary work activity: 2008

Level of highest degree, occupation, and age (years)	Employed scientists and engineers	Primary/secondary work activity				
		Research and development	Teaching	Management, sales, administration	Computer applications	Other
Non-S&E precollege/other teachers	2,000	1,500	2,000	1,500	D	*
<30	D	D	D	D	D	D
30-39	*	D	*	*	D	D
40-49	500	D	500	D	D	D
50-59	1,500	S	1,500	S	D	*
60-75	1,500	S	S	D	D	D
Sales/marketing occupations	2,000	1,000	*	2,000	500	1,500
<30	*	D	D	D	D	D
30-39	500	500	D	500	*	*
40-49	1,000	500	D	1,000	D	*
50-59	1,500	500	D	1,500	D	S
60-75	1,000	500	D	1,000	D	500
Social services/related occupations	2,500	500	2,000	2,000	D	2,000
<30	D	D	D	D	D	D
30-39	S	D	S	S	D	*
40-49	1,000	*	*	500	D	1,000
50-59	2,000	500	1,500	1,500	D	1,500
60-75	1,500	*	S	1,000	D	1,500
Other non-S&E occupations	2,000	1,500	1,000	1,500	*	2,000
<30	S	D	D	D	D	*
30-39	1,000	500	*	500	D	500
40-49	1,500	1,000	S	1,500	D	1,500
50-59	1,500	500	500	500	D	1,500
60-75	1,000	1,000	500	1,000	D	1,000

* = standard error is not computed when value < 500. D = standard error is not computed when value is suppressed to avoid disclosure of confidential information. S = suppressed; data cell not published.

S&E = science and engineering.

^a Total includes professional degrees not broken out separately.

NOTES: Scientists and engineers include any person who has ever received bachelor's or higher degree in S&E or S&E-related field through 30 June 2007, plus any person holding non-S&E bachelor's or higher degree who was employed in S&E or S&E-related occupation on 1 October 2003. See <http://sestat.nsf.gov/docs/occ03maj.html> for detailed description of occupational classification. Standard errors are rounded up to nearest 500.

SOURCE: National Science Foundation/National Center for Science and Engineering Statistics, Scientists and Engineers Statistical Data System (SESTAT): 2008.