

TABLE A-17. Standard errors for employed U.S. scientists and engineers, by level of highest degree, occupation, citizenship status, and employment sector: 2006

Level of highest degree, occupation, and citizenship status	Employed scientists and engineers	Sector of employment			
		Business/industry	4-year college/university	Other educational institution	Government
All degree levels and occupations ^a	83,000	70,000	25,000	31,000	32,000
U.S. citizen	82,000	69,000	23,000	31,000	31,000
Native born	78,000	65,000	22,000	30,000	31,000
Naturalized	24,000	22,000	7,000	8,000	8,000
Non-U.S. citizen	18,000	16,000	6,000	4,000	4,000
Permanent resident	16,000	14,000	5,000	3,000	4,000
Temporary resident	8,000	7,000	4,000	2,000	1,000
S&E occupations	43,000	36,000	12,000	8,000	16,000
U.S. citizen	42,000	35,000	11,000	8,000	15,000
Native born	38,000	32,000	10,000	7,000	14,000
Naturalized	11,000	11,000	3,000	2,000	4,000
Non-U.S. citizen	9,000	8,000	4,000	1,000	1,000
Permanent resident	8,000	8,000	3,000	500	1,000
Temporary resident	5,000	5,000	3,000	500	1,000
Scientists	35,000	29,000	11,000	8,000	13,000
U.S. citizen	33,000	28,000	10,000	8,000	13,000
Native born	31,000	26,000	10,000	7,000	12,000
Naturalized	9,000	8,000	3,000	2,000	3,000
Non-U.S. citizen	8,000	7,000	4,000	1,000	1,000
Permanent resident	7,000	6,000	3,000	500	1,000
Temporary resident	5,000	4,000	2,000	500	1,000
Biological/agricultural/other life scientists	12,000	8,000	6,000	2,000	6,000
U.S. citizen	12,000	8,000	6,000	2,000	6,000
Native born	11,000	8,000	5,000	2,000	6,000
Naturalized	3,000	2,000	2,000	500	1,000
Non-U.S. citizen	3,000	2,000	3,000	*	1,000
Permanent resident	3,000	1,000	2,000	*	1,000
Temporary resident	1,000	1,000	1,000	S	500
Agricultural/food scientists	4,000	3,000	2,000	S	2,000
U.S. citizen	4,000	3,000	2,000	S	2,000
Native born	4,000	3,000	2,000	S	2,000
Naturalized	1,000	1,000	*	S	*
Non-U.S. citizen	1,000	500	1,000	S	S
Permanent resident	1,000	500	1,000	S	S
Temporary resident	500	*	500	S	S
Biological/medical scientists	10,000	7,000	5,000	500	4,000
U.S. citizen	9,000	7,000	5,000	500	4,000
Native born	9,000	7,000	5,000	500	4,000
Naturalized	3,000	2,000	2,000	S	1,000
Non-U.S. citizen	3,000	1,000	2,000	S	1,000
Permanent resident	2,000	1,000	2,000	S	500
Temporary resident	1,000	1,000	1,000	S	500
Environmental life scientists	4,000	2,000	1,000	S	3,000
U.S. citizen	4,000	2,000	1,000	S	3,000
Native born	4,000	2,000	1,000	S	3,000
Naturalized	S	S	S	S	S
Non-U.S. citizen	1,000	S	500	S	S
Permanent resident	1,000	S	S	S	S
Temporary resident	S	S	S	S	S
Postsecondary teachers-life/related sciences	3,000	1,000	2,000	2,000	S

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Level of highest degree, occupation, and citizenship status	Employed scientists and engineers	Sector of employment			
		Business/industry	4-year college/university	Other educational institution	Government
U.S. citizen	3,000	S	2,000	2,000	S
Native born	3,000	S	2,000	2,000	S
Naturalized	1,000	S	1,000	500	S
Non-U.S. citizen	1,000	S	500	S	S
Permanent resident	500	S	500	S	S
Temporary resident	500	S	500	S	S
Computer/mathematical scientists	27,000	25,000	7,000	5,000	8,000
U.S. citizen	26,000	24,000	7,000	5,000	8,000
Native born	24,000	22,000	6,000	5,000	7,000
Naturalized	8,000	7,000	2,000	1,000	2,000
Non-U.S. citizen	7,000	7,000	2,000	500	1,000
Permanent resident	6,000	6,000	1,000	500	1,000
Temporary resident	4,000	4,000	1,000	*	500
Computer/information scientists	27,000	25,000	6,000	4,000	8,000
U.S. citizen	25,000	24,000	6,000	4,000	8,000
Native born	24,000	22,000	5,000	4,000	7,000
Naturalized	8,000	7,000	1,000	1,000	2,000
Non-U.S. citizen	7,000	7,000	2,000	S	1,000
Permanent resident	6,000	6,000	1,000	S	1,000
Temporary resident	4,000	4,000	1,000	S	500
Mathematical scientists	6,000	5,000	2,000	1,000	3,000
U.S. citizen	5,000	4,000	2,000	S	3,000
Native born	5,000	4,000	2,000	S	3,000
Naturalized	1,000	1,000	500	S	500
Non-U.S. citizen	1,000	1,000	500	S	500
Permanent resident	1,000	1,000	500	S	S
Temporary resident	1,000	500	500	S	S
Postsecondary teachers-computer/mathematical sciences	4,000	*	3,000	3,000	S
U.S. citizen	4,000	*	3,000	3,000	S
Native born	4,000	S	3,000	3,000	S
Naturalized	1,000	S	1,000	1,000	S
Non-U.S. citizen	1,000	S	1,000	500	S
Permanent resident	1,000	S	1,000	500	S
Temporary resident	1,000	S	1,000	*	S
Physical/related scientists	9,000	7,000	4,000	1,000	4,000
U.S. citizen	8,000	7,000	3,000	1,000	4,000
Native born	8,000	6,000	3,000	1,000	4,000
Naturalized	3,000	2,000	1,000	500	1,000
Non-U.S. citizen	2,000	1,000	1,000	S	500
Permanent resident	1,000	1,000	1,000	S	500
Temporary resident	1,000	1,000	1,000	S	*
Chemists, except biochemists	5,000	5,000	1,000	S	2,000
U.S. citizen	5,000	5,000	1,000	S	2,000
Native born	5,000	4,000	1,000	S	2,000
Naturalized	2,000	2,000	1,000	S	500
Non-U.S. citizen	1,000	1,000	1,000	S	*
Permanent resident	1,000	1,000	500	S	*
Temporary resident	1,000	500	1,000	S	S
Earth/atmospheric/ocean scientists	4,000	3,000	1,000	S	2,000
U.S. citizen	4,000	3,000	1,000	S	2,000

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Level of highest degree, occupation, and citizenship status	Employed scientists and engineers	Sector of employment			
		Business/industry	4-year college/university	Other educational institution	Government
Native born	4,000	3,000	1,000	S	2,000
Naturalized	1,000	500	500	S	500
Non-U.S. citizen	1,000	500	500	S	*
Permanent resident	500	500	500	S	*
Temporary resident	500	500	500	S	S
Physicists/astronomers	2,000	1,000	1,000	S	500
U.S. citizen	1,000	1,000	1,000	S	500
Native born	1,000	1,000	1,000	S	500
Naturalized	500	500	500	S	500
Non-U.S. citizen	1,000	500	1,000	S	*
Permanent resident	500	500	500	S	S
Temporary resident	1,000	*	1,000	S	*
Postsecondary teachers-physical/related sciences	3,000	*	3,000	1,000	S
U.S. citizen	2,000	*	2,000	1,000	S
Native born	2,000	*	2,000	1,000	S
Naturalized	500	S	500	500	S
Non-U.S. citizen	1,000	S	1,000	S	S
Permanent resident	500	S	500	S	S
Temporary resident	500	S	500	S	S
Other physical/related scientists	4,000	2,000	1,000	S	3,000
U.S. citizen	4,000	2,000	1,000	S	3,000
Native born	4,000	2,000	1,000	S	3,000
Naturalized	1,000	500	S	S	1,000
Non-U.S. citizen	500	500	*	S	S
Permanent resident	500	*	S	S	S
Temporary resident	500	S	S	S	S
Social/related scientists	12,000	8,000	5,000	4,000	6,000
U.S. citizen	12,000	8,000	5,000	4,000	6,000
Native born	11,000	7,000	5,000	4,000	6,000
Naturalized	2,000	2,000	1,000	1,000	1,000
Non-U.S. citizen	2,000	1,000	1,000	500	500
Permanent resident	1,000	1,000	1,000	*	*
Temporary resident	1,000	1,000	1,000	S	*
Economists	3,000	3,000	1,000	S	2,000
U.S. citizen	3,000	3,000	1,000	S	2,000
Native born	3,000	2,000	1,000	S	2,000
Naturalized	1,000	1,000	*	S	*
Non-U.S. citizen	1,000	1,000	500	S	*
Permanent resident	500	500	*	S	*
Temporary resident	1,000	500	*	S	S
Political/related scientists	3,000	2,000	1,000	S	2,000
U.S. citizen	3,000	2,000	1,000	S	2,000
Native born	3,000	2,000	1,000	S	2,000
Naturalized	1,000	S	S	S	S
Non-U.S. citizen	500	S	*	S	S
Permanent resident	*	S	S	S	S
Temporary resident	*	S	S	S	S
Postsecondary teachers-social/related sciences	5,000	S	4,000	3,000	S
U.S. citizen	4,000	S	4,000	3,000	S
Native born	4,000	S	3,000	3,000	S

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Level of highest degree, occupation, and citizenship status	Employed scientists and engineers	Sector of employment			
		Business/industry	4-year college/university	Other educational institution	Government
Naturalized	1,000	S	1,000	500	S
Non-U.S. citizen	1,000	S	1,000	*	S
Permanent resident	1,000	S	1,000	*	S
Temporary resident	1,000	S	1,000	S	S
Psychologists	6,000	4,000	2,000	3,000	3,000
U.S. citizen	6,000	4,000	2,000	3,000	3,000
Native born	6,000	4,000	2,000	3,000	3,000
Naturalized	1,000	1,000	500	1,000	500
Non-U.S. citizen	1,000	1,000	500	S	S
Permanent resident	1,000	1,000	*	S	S
Temporary resident	500	S	500	S	S
Sociologists/anthropologists	2,000	2,000	2,000	S	1,000
U.S. citizen	2,000	2,000	2,000	S	1,000
Native born	2,000	2,000	2,000	S	1,000
Naturalized	500	S	*	S	*
Non-U.S. citizen	500	S	500	S	S
Permanent resident	500	S	500	S	S
Temporary resident	*	S	*	S	S
Other social/related scientists	7,000	5,000	1,000	500	4,000
U.S. citizen	7,000	5,000	1,000	500	4,000
Native born	6,000	5,000	1,000	500	4,000
Naturalized	1,000	1,000	*	S	500
Non-U.S. citizen	1,000	1,000	*	S	S
Permanent resident	1,000	1,000	*	S	S
Temporary resident	1,000	1,000	S	S	S
Engineers	21,000	19,000	3,000	1,000	7,000
U.S. citizen	21,000	18,000	3,000	1,000	7,000
Native born	19,000	17,000	3,000	1,000	7,000
Naturalized	6,000	6,000	1,000	500	3,000
Non-U.S. citizen	5,000	5,000	1,000	S	1,000
Permanent resident	4,000	4,000	1,000	S	1,000
Temporary resident	2,000	2,000	1,000	S	*
Aerospace/aeronautical/astronautical engineers	5,000	4,000	500	S	2,000
U.S. citizen	5,000	4,000	500	S	2,000
Native born	4,000	4,000	500	S	2,000
Naturalized	1,000	1,000	*	S	500
Non-U.S. citizen	500	500	500	S	S
Permanent resident	500	500	S	S	S
Temporary resident	500	500	*	S	S
Chemical engineers	4,000	4,000	1,000	S	1,000
U.S. citizen	4,000	4,000	1,000	S	1,000
Native born	4,000	3,000	1,000	S	1,000
Naturalized	1,000	1,000	S	S	500
Non-U.S. citizen	1,000	1,000	500	S	S
Permanent resident	1,000	1,000	S	S	S
Temporary resident	500	500	500	S	S
Civil/architectural/sanitary engineers	8,000	6,000	500	S	5,000
U.S. citizen	7,000	6,000	500	S	5,000
Native born	7,000	6,000	500	S	4,000
Naturalized	3,000	2,000	*	S	2,000

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Level of highest degree, occupation, and citizenship status	Employed scientists and engineers	Sector of employment			
		Business/industry	4-year college/university	Other educational institution	Government
Non-U.S. citizen	2,000	2,000	500	S	1,000
Permanent resident	1,000	1,000	*	S	1,000
Temporary resident	1,000	1,000	500	S	S
Electrical/computer hardware engineers	9,000	8,000	1,000	S	2,000
U.S. citizen	9,000	8,000	1,000	S	2,000
Native born	8,000	7,000	1,000	S	2,000
Naturalized	4,000	3,000	500	S	1,000
Non-U.S. citizen	3,000	3,000	1,000	S	S
Permanent resident	2,000	2,000	500	S	S
Temporary resident	1,000	1,000	500	S	S
Industrial engineers	6,000	6,000	500	S	1,000
U.S. citizen	5,000	5,000	500	S	1,000
Native born	5,000	5,000	500	S	1,000
Naturalized	2,000	2,000	S	S	500
Non-U.S. citizen	2,000	2,000	500	S	S
Permanent resident	1,000	1,000	S	S	S
Temporary resident	1,000	1,000	*	S	S
Mechanical engineers	8,000	7,000	1,000	S	2,000
U.S. citizen	7,000	7,000	1,000	S	2,000
Native born	7,000	7,000	1,000	S	2,000
Naturalized	3,000	3,000	500	S	1,000
Non-U.S. citizen	2,000	2,000	500	S	S
Permanent resident	2,000	2,000	500	S	S
Temporary resident	1,000	1,000	500	S	S
Postsecondary teachers-engineering	2,000	S	2,000	1,000	S
U.S. citizen	2,000	S	2,000	1,000	S
Native born	2,000	S	2,000	1,000	S
Naturalized	1,000	S	1,000	500	S
Non-U.S. citizen	1,000	S	1,000	S	S
Permanent resident	500	S	500	S	S
Temporary resident	500	S	500	S	S
Other engineers	11,000	10,000	2,000	S	4,000
U.S. citizen	11,000	10,000	2,000	S	4,000
Native born	10,000	9,000	2,000	S	4,000
Naturalized	3,000	2,000	500	S	1,000
Non-U.S. citizen	2,000	2,000	1,000	S	500
Permanent resident	2,000	2,000	500	S	500
Temporary resident	1,000	1,000	1,000	S	S
S&E-related occupations	45,000	37,000	16,000	21,000	16,000
U.S. citizen	44,000	36,000	15,000	21,000	16,000
Native born	40,000	34,000	14,000	20,000	15,000
Naturalized	14,000	13,000	5,000	4,000	5,000
Non-U.S. citizen	9,000	8,000	3,000	2,000	2,000
Permanent resident	8,000	7,000	3,000	2,000	2,000
Temporary resident	4,000	3,000	2,000	1,000	1,000
Health-related occupations	35,000	32,000	15,000	9,000	14,000
U.S. citizen	34,000	32,000	15,000	9,000	13,000
Native born	32,000	31,000	13,000	8,000	13,000
Naturalized	11,000	11,000	5,000	2,000	4,000
Non-U.S. citizen	8,000	7,000	3,000	S	2,000

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Level of highest degree, occupation, and citizenship status	Employed scientists and engineers	Sector of employment			
		Business/ industry	4-year college/ university	Other educational institution	Government
Permanent resident	7,000	6,000	3,000	S	2,000
Temporary resident	3,000	2,000	1,000	S	500
S&E managers	13,000	12,000	2,000	2,000	6,000
U.S. citizen	13,000	11,000	2,000	2,000	6,000
Native born	12,000	11,000	2,000	2,000	6,000
Naturalized	3,000	3,000	1,000	S	1,000
Non-U.S. citizen	3,000	3,000	1,000	S	S
Permanent resident	3,000	3,000	1,000	S	S
Temporary resident	1,000	1,000	S	S	S
S&E precollege teachers	19,000	2,000	S	19,000	1,000
U.S. citizen	19,000	2,000	S	19,000	1,000
Native born	19,000	2,000	S	19,000	S
Naturalized	3,000	S	S	3,000	S
Non-U.S. citizen	2,000	S	S	2,000	S
Permanent resident	2,000	S	S	2,000	S
Temporary resident	1,000	S	S	1,000	S
S&E technicians/technologists	13,000	10,000	3,000	1,000	6,000
U.S. citizen	12,000	10,000	3,000	1,000	6,000
Native born	12,000	10,000	3,000	1,000	6,000
Naturalized	4,000	4,000	1,000	S	1,000
Non-U.S. citizen	3,000	3,000	1,000	S	1,000
Permanent resident	2,000	2,000	1,000	S	1,000
Temporary resident	2,000	2,000	1,000	S	S
Other S&E-related occupations	9,000	9,000	2,000	S	3,000
U.S. citizen	9,000	9,000	2,000	S	3,000
Native born	9,000	8,000	S	S	2,000
Naturalized	3,000	3,000	S	S	1,000
Non-U.S. citizen	2,000	2,000	S	S	S
Permanent resident	2,000	2,000	S	S	S
Temporary resident	1,000	1,000	S	S	S
Non-S&E occupations	73,000	58,000	16,000	27,000	23,000
U.S. citizen	70,000	56,000	15,000	27,000	23,000
Native born	68,000	55,000	15,000	26,000	23,000
Naturalized	17,000	15,000	3,000	6,000	6,000
Non-U.S. citizen	12,000	11,000	3,000	3,000	3,000
Permanent resident	11,000	10,000	2,000	3,000	3,000
Temporary resident	5,000	4,000	2,000	1,000	S
Art/humanities/related occupations	15,000	14,000	3,000	2,000	3,000
U.S. citizen	15,000	14,000	3,000	2,000	3,000
Native born	14,000	14,000	3,000	2,000	3,000
Naturalized	3,000	3,000	500	S	500
Non-U.S. citizen	2,000	2,000	S	S	S
Permanent resident	1,000	1,000	S	S	S
Temporary resident	2,000	2,000	S	S	S
Management-related occupations	31,000	27,000	6,000	4,000	10,000
U.S. citizen	31,000	27,000	6,000	4,000	10,000
Native born	29,000	25,000	6,000	4,000	10,000
Naturalized	8,000	7,000	2,000	1,000	3,000
Non-U.S. citizen	5,000	5,000	1,000	S	1,000
Permanent resident	4,000	4,000	1,000	S	1,000

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		Business/industry	4-year college/university	Other educational institution	Government
Temporary resident	2,000	2,000	S	S	S
Non-S&E managers	26,000	23,000	5,000	8,000	9,000
U.S. citizen	26,000	22,000	5,000	8,000	9,000
Native born	25,000	22,000	5,000	8,000	9,000
Naturalized	6,000	5,000	2,000	1,000	1,000
Non-U.S. citizen	4,000	4,000	500	S	S
Permanent resident	4,000	4,000	500	S	S
Temporary resident	1,000	1,000	S	S	S
Non-S&E postsecondary teachers	7,000	1,000	6,000	4,000	500
U.S. citizen	7,000	1,000	6,000	4,000	*
Native born	7,000	1,000	6,000	4,000	*
Naturalized	2,000	S	1,000	1,000	S
Non-U.S. citizen	1,000	S	1,000	S	S
Permanent resident	1,000	S	1,000	S	S
Temporary resident	1,000	S	1,000	S	S
Non-S&E precollege/other teachers	23,000	4,000	1,000	22,000	2,000
U.S. citizen	23,000	4,000	1,000	22,000	2,000
Native born	22,000	4,000	1,000	22,000	2,000
Naturalized	5,000	1,000	S	5,000	S
Non-U.S. citizen	3,000	S	S	3,000	S
Permanent resident	3,000	S	S	3,000	S
Temporary resident	1,000	S	S	1,000	S
Sales/marketing occupations	32,000	31,000	3,000	1,000	3,000
U.S. citizen	31,000	30,000	3,000	1,000	3,000
Native born	30,000	29,000	2,000	S	3,000
Naturalized	8,000	8,000	S	S	1,000
Non-U.S. citizen	6,000	6,000	S	S	S
Permanent resident	5,000	5,000	S	S	S
Temporary resident	2,000	2,000	S	S	S
Social services/related occupations	18,000	15,000	4,000	7,000	10,000
U.S. citizen	18,000	15,000	4,000	7,000	10,000
Native born	17,000	14,000	4,000	7,000	10,000
Naturalized	4,000	3,000	1,000	2,000	2,000
Non-U.S. citizen	2,000	2,000	500	S	1,000
Permanent resident	2,000	2,000	S	S	1,000
Temporary resident	500	S	S	S	S
Other non-S&E occupations	45,000	37,000	8,000	9,000	20,000
U.S. citizen	43,000	35,000	8,000	9,000	20,000
Native born	41,000	34,000	7,000	9,000	20,000
Naturalized	11,000	10,000	1,000	2,000	5,000
Non-U.S. citizen	8,000	7,000	3,000	1,000	2,000
Permanent resident	7,000	7,000	2,000	1,000	2,000
Temporary resident	3,000	3,000	2,000	S	S
Bachelor's degrees, all occupations	70,000	62,000	18,000	24,000	28,000
U.S. citizen	69,000	61,000	17,000	23,000	27,000
Native born	66,000	58,000	16,000	23,000	26,000
Naturalized	20,000	17,000	5,000	6,000	7,000
Non-U.S. citizen	14,000	13,000	4,000	3,000	3,000
Permanent resident	13,000	12,000	3,000	3,000	3,000
Temporary resident	6,000	5,000	2,000	1,000	S

TABLE A-17. Standard errors for employed U.S. scientists and engineers, by level of highest degree, occupation, citizenship status, and employment sector: 2006

Level of highest degree, occupation, and citizenship status	Employed scientists and engineers	Sector of employment			
		Business/industry	4-year college/university	Other educational institution	Government
S&E occupations	32,000	28,000	9,000	5,000	13,000
U.S. citizen	31,000	28,000	8,000	5,000	13,000
Native born	29,000	26,000	8,000	5,000	12,000
Naturalized	9,000	8,000	2,000	1,000	3,000
Non-U.S. citizen	7,000	6,000	2,000	S	1,000
Permanent resident	6,000	6,000	2,000	S	1,000
Temporary resident	3,000	3,000	1,000	S	S
Scientists	26,000	23,000	8,000	5,000	11,000
U.S. citizen	26,000	22,000	8,000	5,000	11,000
Native born	24,000	21,000	7,000	5,000	10,000
Naturalized	7,000	7,000	2,000	1,000	2,000
Non-U.S. citizen	6,000	5,000	2,000	S	1,000
Permanent resident	6,000	5,000	2,000	S	1,000
Temporary resident	3,000	2,000	1,000	S	S
Biological/agricultural/other life scientists	9,000	7,000	5,000	1,000	5,000
U.S. citizen	9,000	7,000	5,000	1,000	5,000
Native born	9,000	7,000	4,000	1,000	5,000
Naturalized	2,000	2,000	1,000	S	1,000
Non-U.S. citizen	2,000	1,000	2,000	S	S
Permanent resident	2,000	1,000	2,000	S	S
Temporary resident	1,000	S	S	S	S
Agricultural/food scientists	4,000	3,000	1,000	S	2,000
U.S. citizen	4,000	3,000	1,000	S	2,000
Native born	4,000	3,000	1,000	S	2,000
Naturalized	S	S	S	S	S
Non-U.S. citizen	S	S	S	S	S
Permanent resident	S	S	S	S	S
Temporary resident	S	S	S	S	S
Biological/medical scientists	8,000	6,000	4,000	S	4,000
U.S. citizen	7,000	6,000	4,000	S	4,000
Native born	7,000	5,000	4,000	S	4,000
Naturalized	2,000	2,000	1,000	S	1,000
Non-U.S. citizen	2,000	1,000	2,000	S	S
Permanent resident	2,000	500	2,000	S	S
Temporary resident	S	S	S	S	S
Environmental life scientists	3,000	2,000	S	S	2,000
U.S. citizen	3,000	2,000	S	S	2,000
Native born	3,000	2,000	S	S	2,000
Naturalized	S	S	S	S	S
Non-U.S. citizen	S	S	S	S	S
Permanent resident	S	S	S	S	S
Temporary resident	S	S	S	S	S
Postsecondary teachers-life/related sciences	2,000	S	2,000	1,000	S
U.S. citizen	2,000	S	2,000	1,000	S
Native born	2,000	S	2,000	1,000	S
Naturalized	S	S	S	S	S
Non-U.S. citizen	S	S	S	S	S
Permanent resident	S	S	S	S	S
Temporary resident	S	S	S	S	S

TABLE A-17. Standard errors for employed U.S. scientists and engineers, by level of highest degree, occupation, citizenship status, and employment sector: 2006

Level of highest degree, occupation, and citizenship status	Employed scientists and engineers	Sector of employment			
		Business/industry	4-year college/university	Other educational institution	Government
Computer/mathematical scientists	23,000	22,000	5,000	4,000	7,000
U.S. citizen	23,000	21,000	5,000	4,000	7,000
Native born	21,000	19,000	5,000	4,000	6,000
Naturalized	7,000	6,000	1,000	1,000	2,000
Non-U.S. citizen	5,000	5,000	1,000	S	1,000
Permanent resident	5,000	5,000	1,000	S	1,000
Temporary resident	2,000	2,000	500	S	S
Computer/information scientists	23,000	21,000	5,000	4,000	7,000
U.S. citizen	22,000	21,000	5,000	4,000	7,000
Native born	21,000	19,000	5,000	3,000	6,000
Naturalized	7,000	6,000	1,000	1,000	2,000
Non-U.S. citizen	5,000	5,000	1,000	S	1,000
Permanent resident	5,000	5,000	1,000	S	1,000
Temporary resident	2,000	2,000	500	S	S
Mathematical scientists	4,000	4,000	1,000	S	2,000
U.S. citizen	4,000	4,000	1,000	S	2,000
Native born	4,000	3,000	1,000	S	2,000
Naturalized	1,000	S	S	S	S
Non-U.S. citizen	1,000	S	S	S	S
Permanent resident	S	S	S	S	S
Temporary resident	S	S	S	S	S
Postsecondary teachers-computer/mathematical sciences	3,000	S	2,000	2,000	S
U.S. citizen	3,000	S	2,000	2,000	S
Native born	3,000	S	2,000	2,000	S
Naturalized	500	S	*	S	S
Non-U.S. citizen	*	S	*	S	S
Permanent resident	S	S	S	S	S
Temporary resident	S	S	S	S	S
Physical/related scientists	7,000	6,000	3,000	500	4,000
U.S. citizen	7,000	6,000	3,000	500	4,000
Native born	7,000	5,000	3,000	500	4,000
Naturalized	2,000	2,000	1,000	S	1,000
Non-U.S. citizen	1,000	1,000	1,000	S	S
Permanent resident	1,000	1,000	*	S	S
Temporary resident	1,000	S	1,000	S	S
Chemists, except biochemists	5,000	5,000	1,000	S	2,000
U.S. citizen	5,000	5,000	1,000	S	2,000
Native born	4,000	4,000	1,000	S	2,000
Naturalized	2,000	2,000	S	S	S
Non-U.S. citizen	1,000	500	S	S	S
Permanent resident	1,000	500	S	S	S
Temporary resident	S	S	S	S	S
Earth/atmospheric/ocean scientists	3,000	3,000	1,000	S	2,000
U.S. citizen	3,000	3,000	1,000	S	2,000
Native born	3,000	2,000	1,000	S	2,000
Naturalized	1,000	500	S	S	S
Non-U.S. citizen	S	S	S	S	S
Permanent resident	S	S	S	S	S
Temporary resident	S	S	S	S	S

TABLE A-17. Standard errors for employed U.S. scientists and engineers, by level of highest degree, occupation, citizenship status, and employment sector: 2006

Level of highest degree, occupation, and citizenship status	Employed scientists and engineers	Sector of employment			
		Business/industry	4-year college/university	Other educational institution	Government
Physicists/astronomers	1,000	500	1,000	S	*
U.S. citizen	1,000	500	500	S	*
Native born	1,000	500	500	S	*
Naturalized	S	S	S	S	S
Non-U.S. citizen	1,000	S	1,000	S	S
Permanent resident	S	S	S	S	S
Temporary resident	1,000	S	1,000	S	S
Postsecondary teachers-physical/related sciences	2,000	S	2,000	500	S
U.S. citizen	2,000	S	2,000	500	S
Native born	2,000	S	2,000	500	S
Naturalized	S	S	S	S	S
Non-U.S. citizen	500	S	500	S	S
Permanent resident	S	S	S	S	S
Temporary resident	*	S	*	S	S
Other physical/related scientists	3,000	2,000	1,000	S	3,000
U.S. citizen	3,000	2,000	1,000	S	3,000
Native born	3,000	2,000	1,000	S	3,000
Naturalized	S	S	S	S	S
Non-U.S. citizen	S	S	S	S	S
Permanent resident	S	S	S	S	S
Temporary resident	S	S	S	S	S
Social/related scientists	7,000	5,000	3,000	2,000	3,000
U.S. citizen	7,000	5,000	3,000	2,000	3,000
Native born	7,000	5,000	3,000	2,000	3,000
Naturalized	2,000	1,000	500	S	S
Non-U.S. citizen	1,000	1,000	1,000	S	S
Permanent resident	1,000	1,000	S	S	S
Temporary resident	500	S	S	S	S
Economists	2,000	1,000	S	S	1,000
U.S. citizen	2,000	1,000	S	S	1,000
Native born	1,000	1,000	S	S	1,000
Naturalized	S	S	S	S	S
Non-U.S. citizen	S	S	S	S	S
Permanent resident	S	S	S	S	S
Temporary resident	S	S	S	S	S
Political/related scientists	2,000	1,000	S	S	2,000
U.S. citizen	2,000	1,000	S	S	2,000
Native born	2,000	1,000	S	S	2,000
Naturalized	S	S	S	S	S
Non-U.S. citizen	S	S	S	S	S
Permanent resident	S	S	S	S	S
Temporary resident	S	S	S	S	S
Postsecondary teachers-social/related sciences	3,000	S	2,000	2,000	S
U.S. citizen	3,000	S	2,000	2,000	S
Native born	3,000	S	2,000	2,000	S
Naturalized	S	S	S	S	S
Non-U.S. citizen	S	S	S	S	S
Permanent resident	S	S	S	S	S
Temporary resident	S	S	S	S	S

TABLE A-17. Standard errors for employed U.S. scientists and engineers, by level of highest degree, occupation, citizenship status, and employment sector: 2006

Level of highest degree, occupation, and citizenship status	Employed scientists and engineers	Sector of employment			
		Business/industry	4-year college/university	Other educational institution	Government
Psychologists	3,000	2,000	2,000	1,000	1,000
U.S. citizen	3,000	2,000	2,000	1,000	1,000
Native born	3,000	2,000	2,000	1,000	S
Naturalized	1,000	S	S	S	S
Non-U.S. citizen	S	S	S	S	S
Permanent resident	S	S	S	S	S
Temporary resident	S	S	S	S	S
Sociologists/anthropologists	2,000	1,000	1,000	S	1,000
U.S. citizen	2,000	1,000	1,000	S	S
Native born	2,000	1,000	1,000	S	S
Naturalized	S	S	S	S	S
Non-U.S. citizen	S	S	S	S	S
Permanent resident	S	S	S	S	S
Temporary resident	S	S	S	S	S
Other social/related scientists	5,000	4,000	1,000	S	3,000
U.S. citizen	5,000	4,000	1,000	S	3,000
Native born	5,000	4,000	1,000	S	3,000
Naturalized	1,000	1,000	S	S	S
Non-U.S. citizen	S	S	S	S	S
Permanent resident	S	S	S	S	S
Temporary resident	S	S	S	S	S
Engineers	16,000	14,000	3,000	1,000	6,000
U.S. citizen	16,000	14,000	2,000	1,000	6,000
Native born	15,000	14,000	2,000	1,000	6,000
Naturalized	4,000	4,000	500	S	2,000
Non-U.S. citizen	4,000	3,000	1,000	S	500
Permanent resident	3,000	3,000	500	S	500
Temporary resident	2,000	1,000	1,000	S	S
Aerospace/aeronautical/astronautical engineers	4,000	3,000	500	S	2,000
U.S. citizen	4,000	3,000	500	S	2,000
Native born	4,000	3,000	500	S	2,000
Naturalized	1,000	1,000	S	S	500
Non-U.S. citizen	500	500	S	S	S
Permanent resident	500	500	S	S	S
Temporary resident	S	S	S	S	S
Chemical engineers	3,000	3,000	1,000	S	1,000
U.S. citizen	3,000	3,000	1,000	S	1,000
Native born	3,000	3,000	1,000	S	1,000
Naturalized	1,000	1,000	S	S	S
Non-U.S. citizen	1,000	1,000	S	S	S
Permanent resident	1,000	1,000	S	S	S
Temporary resident	S	S	S	S	S
Civil/architectural/sanitary engineers	6,000	5,000	500	S	4,000
U.S. citizen	6,000	5,000	500	S	4,000
Native born	6,000	5,000	500	S	4,000
Naturalized	2,000	1,000	S	S	2,000
Non-U.S. citizen	1,000	1,000	S	S	500
Permanent resident	1,000	1,000	S	S	500
Temporary resident	1,000	1,000	S	S	S

TABLE A-17. Standard errors for employed U.S. scientists and engineers, by level of highest degree, occupation, citizenship status, and employment sector: 2006

Level of highest degree, occupation, and citizenship status	Employed scientists and engineers	Sector of employment			
		Business/industry	4-year college/university	Other educational institution	Government
Electrical/computer hardware engineers	7,000	6,000	1,000	S	2,000
U.S. citizen	7,000	6,000	1,000	S	2,000
Native born	6,000	6,000	1,000	S	2,000
Naturalized	2,000	2,000	S	S	1,000
Non-U.S. citizen	2,000	2,000	S	S	S
Permanent resident	2,000	2,000	S	S	S
Temporary resident	1,000	1,000	S	S	S
Industrial engineers	5,000	5,000	500	S	500
U.S. citizen	5,000	5,000	500	S	500
Native born	4,000	4,000	500	S	500
Naturalized	2,000	2,000	S	S	S
Non-U.S. citizen	2,000	2,000	S	S	S
Permanent resident	1,000	1,000	S	S	S
Temporary resident	1,000	1,000	S	S	S
Mechanical engineers	6,000	6,000	1,000	S	1,000
U.S. citizen	6,000	6,000	1,000	S	1,000
Native born	6,000	6,000	1,000	S	1,000
Naturalized	2,000	2,000	S	S	1,000
Non-U.S. citizen	2,000	2,000	*	S	S
Permanent resident	2,000	2,000	S	S	S
Temporary resident	500	500	S	S	S
Postsecondary teachers-engineering	1,000	S	1,000	1,000	S
U.S. citizen	1,000	S	1,000	1,000	S
Native born	1,000	S	1,000	1,000	S
Naturalized	S	S	S	S	S
Non-U.S. citizen	S	S	S	S	S
Permanent resident	S	S	S	S	S
Temporary resident	S	S	S	S	S
Other engineers	9,000	8,000	2,000	S	3,000
U.S. citizen	9,000	8,000	2,000	S	3,000
Native born	9,000	8,000	1,000	S	3,000
Naturalized	2,000	2,000	500	S	1,000
Non-U.S. citizen	2,000	2,000	S	S	S
Permanent resident	2,000	2,000	S	S	S
Temporary resident	1,000	500	S	S	S
S&E-related occupations	35,000	30,000	12,000	14,000	14,000
U.S. citizen	34,000	29,000	12,000	14,000	14,000
Native born	31,000	28,000	11,000	13,000	13,000
Naturalized	11,000	11,000	4,000	3,000	4,000
Non-U.S. citizen	7,000	7,000	2,000	2,000	2,000
Permanent resident	7,000	6,000	2,000	2,000	2,000
Temporary resident	3,000	3,000	S	S	S
Health-related occupations	29,000	26,000	12,000	6,000	12,000
U.S. citizen	28,000	25,000	11,000	6,000	12,000
Native born	25,000	24,000	10,000	6,000	11,000
Naturalized	9,000	9,000	4,000	2,000	4,000
Non-U.S. citizen	6,000	5,000	2,000	S	S
Permanent resident	6,000	5,000	2,000	S	S
Temporary resident	2,000	2,000	S	S	S

TABLE A-17. Standard errors for employed U.S. scientists and engineers, by level of highest degree, occupation, citizenship status, and employment sector: 2006

Level of highest degree, occupation, and citizenship status	Employed scientists and engineers	Sector of employment			
		Business/industry	4-year college/university	Other educational institution	Government
S&E managers	10,000	10,000	2,000	1,000	4,000
U.S. citizen	10,000	9,000	2,000	1,000	4,000
Native born	10,000	9,000	1,000	S	4,000
Naturalized	3,000	2,000	S	S	1,000
Non-U.S. citizen	2,000	2,000	S	S	S
Permanent resident	2,000	2,000	S	S	S
Temporary resident	S	S	S	S	S
S&E precollege teachers	12,000	1,000	S	12,000	S
U.S. citizen	12,000	1,000	S	12,000	S
Native born	12,000	1,000	S	12,000	S
Naturalized	2,000	S	S	2,000	S
Non-U.S. citizen	1,000	S	S	1,000	S
Permanent resident	1,000	S	S	1,000	S
Temporary resident	S	S	S	S	S
S&E technicians/technologists	11,000	9,000	3,000	1,000	6,000
U.S. citizen	11,000	9,000	3,000	1,000	6,000
Native born	11,000	9,000	3,000	1,000	6,000
Naturalized	4,000	4,000	1,000	S	1,000
Non-U.S. citizen	2,000	2,000	S	S	S
Permanent resident	2,000	2,000	S	S	S
Temporary resident	2,000	2,000	S	S	S
Other S&E-related occupations	8,000	8,000	2,000	S	2,000
U.S. citizen	8,000	7,000	2,000	S	2,000
Native born	7,000	7,000	S	S	2,000
Naturalized	2,000	2,000	S	S	S
Non-U.S. citizen	2,000	2,000	S	S	S
Permanent resident	1,000	1,000	S	S	S
Temporary resident	S	S	S	S	S
Non-S&E occupations	61,000	50,000	10,000	20,000	19,000
U.S. citizen	59,000	49,000	9,000	20,000	19,000
Native born	57,000	48,000	9,000	20,000	19,000
Naturalized	15,000	13,000	2,000	5,000	5,000
Non-U.S. citizen	10,000	9,000	2,000	2,000	2,000
Permanent resident	9,000	8,000	2,000	2,000	2,000
Temporary resident	4,000	3,000	2,000	1,000	S
Art/humanities/related occupations	11,000	11,000	2,000	2,000	3,000
U.S. citizen	11,000	11,000	2,000	2,000	3,000
Native born	11,000	11,000	2,000	S	3,000
Naturalized	2,000	2,000	S	S	S
Non-U.S. citizen	1,000	S	S	S	S
Permanent resident	S	S	S	S	S
Temporary resident	S	S	S	S	S
Management-related occupations	25,000	23,000	5,000	3,000	8,000
U.S. citizen	25,000	22,000	5,000	3,000	8,000
Native born	23,000	21,000	5,000	3,000	7,000
Naturalized	6,000	6,000	1,000	S	2,000
Non-U.S. citizen	4,000	4,000	S	S	S
Permanent resident	4,000	3,000	S	S	S
Temporary resident	1,000	1,000	S	S	S

TABLE A-17. Standard errors for employed U.S. scientists and engineers, by level of highest degree, occupation, citizenship status, and employment sector: 2006

Level of highest degree, occupation, and citizenship status	Employed scientists and engineers	Sector of employment			
		Business/industry	4-year college/university	Other educational institution	Government
Non-S&E managers	19,000	18,000	3,000	3,000	6,000
U.S. citizen	19,000	17,000	3,000	3,000	6,000
Native born	18,000	17,000	3,000	3,000	6,000
Naturalized	5,000	4,000	1,000	S	S
Non-U.S. citizen	3,000	3,000	S	S	S
Permanent resident	3,000	3,000	S	S	S
Temporary resident	S	S	S	S	S
Non-S&E postsecondary teachers	4,000	S	3,000	2,000	S
U.S. citizen	4,000	S	3,000	2,000	S
Native born	3,000	S	3,000	2,000	S
Naturalized	1,000	S	S	S	S
Non-U.S. citizen	500	S	500	S	S
Permanent resident	500	S	S	S	S
Temporary resident	S	S	S	S	S
Non-S&E precollege/other teachers	18,000	3,000	1,000	18,000	1,000
U.S. citizen	17,000	2,000	1,000	17,000	1,000
Native born	17,000	2,000	1,000	17,000	1,000
Naturalized	5,000	S	S	4,000	S
Non-U.S. citizen	3,000	S	S	2,000	S
Permanent resident	3,000	S	S	2,000	S
Temporary resident	S	S	S	S	S
Sales/marketing occupations	29,000	28,000	1,000	1,000	3,000
U.S. citizen	28,000	27,000	1,000	1,000	3,000
Native born	28,000	27,000	1,000	S	3,000
Naturalized	7,000	7,000	S	S	S
Non-U.S. citizen	5,000	5,000	S	S	S
Permanent resident	5,000	5,000	S	S	S
Temporary resident	1,000	1,000	S	S	S
Social services/related occupations	12,000	8,000	3,000	3,000	8,000
U.S. citizen	12,000	9,000	3,000	3,000	8,000
Native born	12,000	8,000	3,000	3,000	7,000
Naturalized	3,000	2,000	S	1,000	2,000
Non-U.S. citizen	2,000	1,000	S	S	1,000
Permanent resident	1,000	1,000	S	S	1,000
Temporary resident	S	S	S	S	S
Other non-S&E occupations	36,000	29,000	6,000	7,000	17,000
U.S. citizen	35,000	28,000	6,000	7,000	17,000
Native born	33,000	27,000	6,000	6,000	16,000
Naturalized	10,000	9,000	1,000	2,000	4,000
Non-U.S. citizen	7,000	6,000	2,000	S	2,000
Permanent resident	6,000	5,000	1,000	S	2,000
Temporary resident	3,000	2,000	2,000	S	S
Master's degrees, all occupations	46,000	37,000	12,000	23,000	17,000
U.S. citizen	45,000	35,000	12,000	22,000	17,000
Native born	44,000	34,000	12,000	23,000	16,000
Naturalized	14,000	11,000	3,000	4,000	5,000
Non-U.S. citizen	10,000	9,000	3,000	2,000	2,000
Permanent resident	8,000	8,000	3,000	2,000	2,000
Temporary resident	5,000	5,000	2,000	1,000	1,000
S&E occupations	20,000	16,000	7,000	5,000	8,000

TABLE A-17. Standard errors for employed U.S. scientists and engineers, by level of highest degree, occupation, citizenship status, and employment sector: 2006

Level of highest degree, occupation, and citizenship status	Employed scientists and engineers	Sector of employment			
		Business/industry	4-year college/university	Other educational institution	Government
U.S. citizen	19,000	15,000	6,000	5,000	8,000
Native born	18,000	14,000	6,000	5,000	8,000
Naturalized	7,000	6,000	1,000	1,000	2,000
Non-U.S. citizen	6,000	6,000	2,000	1,000	1,000
Permanent resident	5,000	5,000	2,000	500	1,000
Temporary resident	4,000	4,000	2,000	S	500
Scientists	17,000	13,000	6,000	5,000	7,000
U.S. citizen	16,000	13,000	6,000	5,000	7,000
Native born	16,000	12,000	6,000	5,000	7,000
Naturalized	5,000	5,000	1,000	1,000	1,000
Non-U.S. citizen	6,000	5,000	2,000	1,000	1,000
Permanent resident	4,000	4,000	2,000	500	1,000
Temporary resident	4,000	3,000	2,000	S	500
Biological/agricultural/other life scientists	5,000	3,000	3,000	1,000	3,000
U.S. citizen	5,000	3,000	3,000	1,000	3,000
Native born	5,000	3,000	3,000	1,000	3,000
Naturalized	1,000	1,000	1,000	S	1,000
Non-U.S. citizen	1,000	1,000	1,000	S	S
Permanent resident	1,000	500	1,000	S	S
Temporary resident	1,000	1,000	1,000	S	S
Agricultural/food scientists	2,000	1,000	2,000	S	1,000
U.S. citizen	2,000	1,000	2,000	S	1,000
Native born	2,000	1,000	2,000	S	1,000
Naturalized	500	S	S	S	S
Non-U.S. citizen	1,000	S	500	S	S
Permanent resident	S	S	S	S	S
Temporary resident	500	S	*	S	S
Biological/medical scientists	4,000	3,000	2,000	S	2,000
U.S. citizen	4,000	3,000	2,000	S	2,000
Native born	4,000	3,000	2,000	S	2,000
Naturalized	1,000	1,000	1,000	S	1,000
Non-U.S. citizen	1,000	1,000	1,000	S	S
Permanent resident	1,000	500	1,000	S	S
Temporary resident	1,000	S	1,000	S	S
Environmental life scientists	2,000	1,000	1,000	S	1,000
U.S. citizen	2,000	1,000	1,000	S	1,000
Native born	2,000	1,000	1,000	S	1,000
Naturalized	S	S	S	S	S
Non-U.S. citizen	S	S	S	S	S
Permanent resident	S	S	S	S	S
Temporary resident	S	S	S	S	S
Postsecondary teachers-life/related sciences	2,000	S	1,000	1,000	S
U.S. citizen	2,000	S	1,000	1,000	S
Native born	2,000	S	1,000	1,000	S
Naturalized	500	S	S	S	S
Non-U.S. citizen	S	S	S	S	S
Permanent resident	S	S	S	S	S
Temporary resident	S	S	S	S	S
Computer/mathematical scientists	13,000	12,000	4,000	3,000	4,000
U.S. citizen	12,000	11,000	3,000	3,000	4,000

TABLE A-17. Standard errors for employed U.S. scientists and engineers, by level of highest degree, occupation, citizenship status, and employment sector:
2006

Level of highest degree, occupation, and citizenship status	Employed scientists and engineers	Sector of employment			
		Business/ industry	4-year college/ university	Other educational institution	Government
Native born	11,000	10,000	3,000	3,000	4,000
Naturalized	4,000	4,000	1,000	1,000	1,000
Non-U.S. citizen	5,000	5,000	2,000	500	1,000
Permanent resident	4,000	4,000	1,000	500	1,000
Temporary resident	3,000	3,000	1,000	S	500
Computer/information scientists	13,000	11,000	3,000	2,000	4,000
U.S. citizen	12,000	11,000	2,000	2,000	4,000
Native born	11,000	10,000	2,000	1,000	3,000
Naturalized	4,000	4,000	1,000	S	1,000
Non-U.S. citizen	5,000	5,000	1,000	S	1,000
Permanent resident	4,000	4,000	1,000	S	1,000
Temporary resident	3,000	3,000	1,000	S	S
Mathematical scientists	4,000	3,000	2,000	S	2,000
U.S. citizen	3,000	2,000	1,000	S	2,000
Native born	3,000	2,000	1,000	S	2,000
Naturalized	1,000	1,000	S	S	500
Non-U.S. citizen	1,000	1,000	500	S	S
Permanent resident	1,000	1,000	S	S	S
Temporary resident	1,000	500	500	S	S
Postsecondary teachers-computer/mathematical sciences	3,000	S	2,000	2,000	S
U.S. citizen	3,000	S	2,000	2,000	S
Native born	3,000	S	2,000	2,000	S
Naturalized	1,000	S	1,000	1,000	S
Non-U.S. citizen	1,000	S	1,000	500	S
Permanent resident	1,000	S	1,000	500	S
Temporary resident	1,000	S	1,000	S	S
Physical/related scientists	4,000	4,000	2,000	1,000	2,000
U.S. citizen	4,000	4,000	2,000	1,000	2,000
Native born	4,000	3,000	2,000	1,000	2,000
Naturalized	2,000	1,000	*	S	500
Non-U.S. citizen	1,000	1,000	1,000	S	*
Permanent resident	500	500	500	S	*
Temporary resident	1,000	500	500	S	S
Chemists, except biochemists	3,000	2,000	500	S	1,000
U.S. citizen	2,000	2,000	500	S	1,000
Native born	2,000	2,000	500	S	1,000
Naturalized	1,000	1,000	S	S	500
Non-U.S. citizen	1,000	500	500	S	S
Permanent resident	500	500	S	S	S
Temporary resident	500	500	500	S	S
Earth/atmospheric/ocean scientists	2,000	2,000	1,000	S	1,000
U.S. citizen	2,000	2,000	1,000	S	1,000
Native born	2,000	2,000	1,000	S	1,000
Naturalized	500	500	S	S	S
Non-U.S. citizen	500	*	500	S	S
Permanent resident	*	S	S	S	S
Temporary resident	500	S	*	S	S
Physicists/astronomers	1,000	1,000	500	S	500
U.S. citizen	1,000	1,000	500	S	500
Native born	1,000	500	500	S	500

TABLE A-17. Standard errors for employed U.S. scientists and engineers, by level of highest degree, occupation, citizenship status, and employment sector: 2006

Level of highest degree, occupation, and citizenship status	Employed scientists and engineers	Sector of employment			
		Business/industry	4-year college/university	Other educational institution	Government
Naturalized	S	S	S	S	S
Non-U.S. citizen	500	S	500	S	S
Permanent resident	*	S	S	S	S
Temporary resident	500	S	500	S	S
Postsecondary teachers-physical/related sciences	2,000	S	1,000	1,000	S
U.S. citizen	2,000	S	1,000	1,000	S
Native born	2,000	S	1,000	1,000	S
Naturalized	500	S	S	S	S
Non-U.S. citizen	500	S	500	S	S
Permanent resident	S	S	S	S	S
Temporary resident	500	S	500	S	S
Other physical/related scientists	2,000	1,000	500	S	1,000
U.S. citizen	2,000	1,000	500	S	1,000
Native born	2,000	1,000	500	S	1,000
Naturalized	500	S	S	S	S
Non-U.S. citizen	S	S	S	S	S
Permanent resident	S	S	S	S	S
Temporary resident	S	S	S	S	S
Social/related scientists	9,000	6,000	3,000	4,000	4,000
U.S. citizen	8,000	6,000	3,000	4,000	4,000
Native born	8,000	5,000	3,000	4,000	4,000
Naturalized	2,000	1,000	500	1,000	500
Non-U.S. citizen	1,000	1,000	1,000	S	S
Permanent resident	1,000	500	500	S	S
Temporary resident	1,000	1,000	1,000	S	S
Economists	3,000	2,000	500	S	1,000
U.S. citizen	2,000	2,000	S	S	1,000
Native born	2,000	2,000	S	S	1,000
Naturalized	500	500	S	S	S
Non-U.S. citizen	500	500	S	S	S
Permanent resident	S	S	S	S	S
Temporary resident	500	500	S	S	S
Political/related scientists	2,000	1,000	500	S	2,000
U.S. citizen	2,000	1,000	S	S	2,000
Native born	2,000	1,000	S	S	2,000
Naturalized	S	S	S	S	S
Non-U.S. citizen	S	S	S	S	S
Permanent resident	S	S	S	S	S
Temporary resident	S	S	S	S	S
Postsecondary teachers-social/related sciences	3,000	S	3,000	2,000	S
U.S. citizen	3,000	S	2,000	2,000	S
Native born	3,000	S	2,000	2,000	S
Naturalized	1,000	S	500	500	S
Non-U.S. citizen	1,000	S	1,000	S	S
Permanent resident	500	S	S	S	S
Temporary resident	1,000	S	1,000	S	S
Psychologists	5,000	3,000	2,000	3,000	2,000
U.S. citizen	5,000	3,000	2,000	3,000	2,000
Native born	5,000	3,000	2,000	3,000	2,000
Naturalized	1,000	1,000	S	1,000	S

TABLE A-17. Standard errors for employed U.S. scientists and engineers, by level of highest degree, occupation, citizenship status, and employment sector: 2006

Level of highest degree, occupation, and citizenship status	Employed scientists and engineers	Sector of employment			
		Business/industry	4-year college/university	Other educational institution	Government
Non-U.S. citizen	1,000	S	S	S	S
Permanent resident	S	S	S	S	S
Temporary resident	S	S	S	S	S
Sociologists/anthropologists	2,000	1,000	1,000	S	500
U.S. citizen	2,000	1,000	1,000	S	500
Native born	2,000	1,000	1,000	S	500
Naturalized	S	S	S	S	S
Non-U.S. citizen	S	S	S	S	S
Permanent resident	S	S	S	S	S
Temporary resident	S	S	S	S	S
Other social/related scientists	4,000	4,000	1,000	S	3,000
U.S. citizen	4,000	4,000	1,000	S	3,000
Native born	4,000	3,000	1,000	S	3,000
Naturalized	1,000	1,000	S	S	S
Non-U.S. citizen	1,000	1,000	S	S	S
Permanent resident	*	S	S	S	S
Temporary resident	S	S	S	S	S
Engineers	10,000	10,000	2,000	1,000	4,000
U.S. citizen	10,000	9,000	2,000	1,000	4,000
Native born	9,000	8,000	2,000	1,000	4,000
Naturalized	4,000	3,000	500	S	2,000
Non-U.S. citizen	3,000	3,000	1,000	S	500
Permanent resident	2,000	2,000	500	S	500
Temporary resident	2,000	2,000	1,000	S	S
Aerospace/aeronautical/astronautical engineers	2,000	2,000	500	S	1,000
U.S. citizen	2,000	2,000	500	S	1,000
Native born	2,000	2,000	500	S	1,000
Naturalized	1,000	1,000	S	S	500
Non-U.S. citizen	500	500	*	S	S
Permanent resident	500	*	S	S	S
Temporary resident	*	S	*	S	S
Chemical engineers	2,000	2,000	500	S	*
U.S. citizen	2,000	2,000	*	S	*
Native born	2,000	2,000	*	S	S
Naturalized	1,000	1,000	S	S	S
Non-U.S. citizen	1,000	1,000	500	S	S
Permanent resident	500	500	S	S	S
Temporary resident	500	*	500	S	S
Civil/architectural/sanitary engineers	4,000	3,000	500	S	2,000
U.S. citizen	4,000	3,000	*	S	2,000
Native born	4,000	3,000	*	S	2,000
Naturalized	2,000	1,000	S	S	1,000
Non-U.S. citizen	1,000	1,000	500	S	500
Permanent resident	1,000	1,000	S	S	500
Temporary resident	1,000	1,000	500	S	S
Electrical/computer hardware engineers	5,000	5,000	1,000	S	2,000
U.S. citizen	5,000	4,000	1,000	S	2,000
Native born	4,000	4,000	500	S	2,000
Naturalized	3,000	2,000	S	S	500
Non-U.S. citizen	2,000	2,000	500	S	S

TABLE A-17. Standard errors for employed U.S. scientists and engineers, by level of highest degree, occupation, citizenship status, and employment sector: 2006

Level of highest degree, occupation, and citizenship status	Employed scientists and engineers	Sector of employment			
		Business/industry	4-year college/university	Other educational institution	Government
Permanent resident	2,000	2,000	S	S	S
Temporary resident	1,000	1,000	500	S	S
Industrial engineers	3,000	3,000	500	S	500
U.S. citizen	2,000	2,000	S	S	500
Native born	2,000	2,000	S	S	500
Naturalized	1,000	500	S	S	S
Non-U.S. citizen	1,000	1,000	*	S	S
Permanent resident	1,000	1,000	S	S	S
Temporary resident	1,000	500	*	S	S
Mechanical engineers	4,000	4,000	1,000	S	1,000
U.S. citizen	4,000	4,000	500	S	1,000
Native born	4,000	4,000	500	S	1,000
Naturalized	1,000	1,000	S	S	500
Non-U.S. citizen	1,000	1,000	500	S	S
Permanent resident	1,000	1,000	S	S	S
Temporary resident	1,000	1,000	500	S	S
Postsecondary teachers-engineering	1,000	S	1,000	1,000	S
U.S. citizen	1,000	S	1,000	1,000	S
Native born	1,000	S	1,000	1,000	S
Naturalized	500	S	S	S	S
Non-U.S. citizen	500	S	500	S	S
Permanent resident	S	S	S	S	S
Temporary resident	500	S	500	S	S
Other engineers	5,000	5,000	1,000	S	2,000
U.S. citizen	5,000	5,000	1,000	S	2,000
Native born	5,000	4,000	1,000	S	2,000
Naturalized	2,000	2,000	S	S	1,000
Non-U.S. citizen	1,000	1,000	1,000	S	500
Permanent resident	1,000	1,000	S	S	S
Temporary resident	1,000	1,000	500	S	S
S&E-related occupations	24,000	16,000	6,000	16,000	7,000
U.S. citizen	24,000	16,000	6,000	16,000	7,000
Native born	22,000	15,000	5,000	15,000	7,000
Naturalized	6,000	5,000	2,000	3,000	2,000
Non-U.S. citizen	4,000	3,000	2,000	1,000	1,000
Permanent resident	3,000	3,000	1,000	1,000	1,000
Temporary resident	2,000	1,000	1,000	S	S
Health-related occupations	15,000	13,000	6,000	7,000	5,000
U.S. citizen	15,000	13,000	6,000	7,000	5,000
Native born	15,000	13,000	5,000	7,000	5,000
Naturalized	5,000	4,000	2,000	500	2,000
Non-U.S. citizen	2,000	2,000	1,000	S	S
Permanent resident	2,000	2,000	1,000	S	S
Temporary resident	1,000	500	1,000	S	S
S&E managers	8,000	7,000	2,000	1,000	4,000
U.S. citizen	8,000	6,000	1,000	1,000	4,000
Native born	7,000	6,000	1,000	S	4,000
Naturalized	2,000	2,000	500	S	1,000
Non-U.S. citizen	2,000	2,000	S	S	S
Permanent resident	2,000	2,000	S	S	S

TABLE A-17. Standard errors for employed U.S. scientists and engineers, by level of highest degree, occupation, citizenship status, and employment sector: 2006

Level of highest degree, occupation, and citizenship status	Employed scientists and engineers	Sector of employment			
		Business/industry	4-year college/university	Other educational institution	Government
Temporary resident	1,000	1,000	S	S	S
S&E precollege teachers	14,000	1,000	S	14,000	S
U.S. citizen	14,000	S	S	14,000	S
Native born	14,000	S	S	14,000	S
Naturalized	3,000	S	S	3,000	S
Non-U.S. citizen	1,000	S	S	1,000	S
Permanent resident	1,000	S	S	1,000	S
Temporary resident	1,000	S	S	S	S
S&E technicians/technologists	5,000	4,000	1,000	S	2,000
U.S. citizen	5,000	4,000	1,000	S	2,000
Native born	4,000	4,000	1,000	S	2,000
Naturalized	2,000	2,000	500	S	500
Non-U.S. citizen	1,000	1,000	1,000	S	1,000
Permanent resident	1,000	1,000	S	S	S
Temporary resident	1,000	1,000	1,000	S	S
Other S&E-related occupations	5,000	5,000	S	S	2,000
U.S. citizen	5,000	4,000	S	S	2,000
Native born	5,000	4,000	S	S	2,000
Naturalized	2,000	2,000	S	S	S
Non-U.S. citizen	1,000	1,000	S	S	S
Permanent resident	1,000	1,000	S	S	S
Temporary resident	1,000	1,000	S	S	S
Non-S&E occupations	41,000	32,000	10,000	19,000	14,000
U.S. citizen	40,000	31,000	10,000	19,000	14,000
Native born	39,000	30,000	10,000	19,000	13,000
Naturalized	10,000	8,000	2,000	3,000	4,000
Non-U.S. citizen	7,000	6,000	2,000	2,000	1,000
Permanent resident	6,000	6,000	2,000	2,000	1,000
Temporary resident	3,000	3,000	1,000	S	S
Art/humanities/related occupations	8,000	7,000	2,000	1,000	1,000
U.S. citizen	7,000	7,000	2,000	1,000	1,000
Native born	7,000	7,000	2,000	1,000	1,000
Naturalized	1,000	1,000	S	S	S
Non-U.S. citizen	2,000	2,000	S	S	S
Permanent resident	500	500	S	S	S
Temporary resident	1,000	S	S	S	S
Management-related occupations	17,000	15,000	3,000	3,000	7,000
U.S. citizen	16,000	15,000	3,000	3,000	7,000
Native born	15,000	14,000	3,000	3,000	6,000
Naturalized	5,000	4,000	2,000	S	2,000
Non-U.S. citizen	4,000	4,000	S	S	S
Permanent resident	3,000	3,000	S	S	S
Temporary resident	2,000	2,000	S	S	S
Non-S&E Managers	18,000	14,000	3,000	7,000	6,000
U.S. citizen	18,000	14,000	3,000	7,000	6,000
Native born	17,000	13,000	3,000	7,000	6,000
Naturalized	4,000	4,000	1,000	S	1,000
Non-U.S. citizen	2,000	2,000	S	S	S
Permanent resident	2,000	2,000	S	S	S
Temporary resident	1,000	500	S	S	S

TABLE A-17. Standard errors for employed U.S. scientists and engineers, by level of highest degree, occupation, citizenship status, and employment sector: 2006

Level of highest degree, occupation, and citizenship status	Employed scientists and engineers	Sector of employment			
		Business/industry	4-year college/university	Other educational institution	Government
Non-S&E postsecondary teachers	5,000	S	4,000	3,000	S
U.S. citizen	4,000	S	4,000	3,000	S
Native born	4,000	S	4,000	3,000	S
Naturalized	1,000	S	1,000	1,000	S
Non-U.S. citizen	1,000	S	1,000	S	S
Permanent resident	500	S	500	S	S
Temporary resident	1,000	S	1,000	S	S
Non-S&E precollege/other teachers	15,000	3,000	S	15,000	1,000
U.S. citizen	15,000	3,000	S	15,000	1,000
Native born	15,000	3,000	S	15,000	1,000
Naturalized	3,000	S	S	3,000	S
Non-U.S. citizen	2,000	S	S	2,000	S
Permanent resident	2,000	S	S	2,000	S
Temporary resident	S	S	S	S	S
Sales/marketing occupations	15,000	15,000	2,000	S	2,000
U.S. citizen	14,000	15,000	2,000	S	2,000
Native born	13,000	13,000	2,000	S	1,000
Naturalized	4,000	4,000	S	S	S
Non-U.S. citizen	3,000	3,000	S	S	S
Permanent resident	2,000	2,000	S	S	S
Temporary resident	1,000	1,000	S	S	S
Social services/related occupations	13,000	11,000	4,000	6,000	6,000
U.S. citizen	13,000	11,000	4,000	6,000	6,000
Native born	13,000	10,000	4,000	6,000	6,000
Naturalized	3,000	2,000	S	1,000	2,000
Non-U.S. citizen	1,000	1,000	S	S	S
Permanent resident	1,000	1,000	S	S	S
Temporary resident	S	S	S	S	S
Other non-S&E occupations	18,000	14,000	5,000	5,000	9,000
U.S. citizen	17,000	13,000	4,000	5,000	9,000
Native born	16,000	13,000	4,000	5,000	8,000
Naturalized	5,000	4,000	1,000	1,000	3,000
Non-U.S. citizen	4,000	3,000	2,000	S	S
Permanent resident	3,000	3,000	1,000	S	S
Temporary resident	1,000	1,000	500	S	S
Doctorate degrees, all occupations	9,000	6,000	6,000	4,000	3,000
U.S. citizen	9,000	5,000	5,000	4,000	2,000
Native born	8,000	5,000	5,000	4,000	2,000
Naturalized	3,000	3,000	2,000	1,000	1,000
Non-U.S. citizen	3,000	3,000	2,000	500	1,000
Permanent resident	3,000	2,000	2,000	500	1,000
Temporary resident	1,000	1,000	1,000	*	500
S&E occupations	5,000	3,000	4,000	1,000	2,000
U.S. citizen	4,000	3,000	3,000	1,000	2,000
Native born	4,000	2,000	3,000	1,000	1,000
Naturalized	2,000	2,000	1,000	500	1,000
Non-U.S. citizen	3,000	2,000	2,000	500	1,000
Permanent resident	2,000	2,000	2,000	*	500
Temporary resident	1,000	1,000	1,000	*	500

TABLE A-17. Standard errors for employed U.S. scientists and engineers, by level of highest degree, occupation, citizenship status, and employment sector: 2006

Level of highest degree, occupation, and citizenship status	Employed scientists and engineers	Sector of employment			
		Business/industry	4-year college/university	Other educational institution	Government
Scientists	5,000	3,000	4,000	1,000	1,000
U.S. citizen	4,000	2,000	3,000	1,000	1,000
Native born	3,000	2,000	2,000	1,000	1,000
Naturalized	2,000	1,000	1,000	500	1,000
Non-U.S. citizen	2,000	2,000	2,000	500	1,000
Permanent resident	2,000	1,000	2,000	*	500
Temporary resident	1,000	1,000	1,000	*	500
Biological/agricultural/other life scientists	3,000	2,000	2,000	500	1,000
U.S. citizen	2,000	1,000	2,000	500	1,000
Native born	2,000	1,000	1,000	500	1,000
Naturalized	1,000	1,000	1,000	500	500
Non-U.S. citizen	2,000	1,000	1,000	*	500
Permanent resident	2,000	1,000	1,000	*	500
Temporary resident	1,000	500	1,000	S	500
Agricultural/food scientists	1,000	500	500	S	500
U.S. citizen	500	500	500	S	500
Native born	500	500	500	S	500
Naturalized	500	500	*	S	*
Non-U.S. citizen	500	500	500	S	S
Permanent resident	500	500	500	S	S
Temporary resident	*	S	*	S	S
Biological/medical scientists	2,000	2,000	2,000	*	1,000
U.S. citizen	2,000	1,000	1,000	*	1,000
Native born	1,000	1,000	1,000	*	1,000
Naturalized	1,000	1,000	1,000	S	500
Non-U.S. citizen	2,000	1,000	1,000	S	500
Permanent resident	1,000	1,000	1,000	S	500
Temporary resident	1,000	500	1,000	S	500
Environmental life scientists	500	500	*	S	500
U.S. citizen	500	*	*	S	500
Native born	500	*	*	S	500
Naturalized	S	S	S	S	S
Non-U.S. citizen	S	S	S	S	S
Permanent resident	S	S	S	S	S
Temporary resident	S	S	S	S	S
Postsecondary teachers-life/related sciences	1,000	S	1,000	500	S
U.S. citizen	1,000	S	1,000	500	S
Native born	1,000	S	1,000	500	S
Naturalized	1,000	S	1,000	500	S
Non-U.S. citizen	500	S	500	S	S
Permanent resident	500	S	500	S	S
Temporary resident	*	S	*	S	S
Computer/mathematical scientists	3,000	2,000	2,000	1,000	1,000
U.S. citizen	2,000	1,000	2,000	1,000	1,000
Native born	2,000	1,000	1,000	500	500
Naturalized	1,000	1,000	1,000	500	500
Non-U.S. citizen	1,000	1,000	1,000	*	*
Permanent resident	1,000	1,000	1,000	*	S
Temporary resident	1,000	1,000	1,000	*	S

TABLE A-17. Standard errors for employed U.S. scientists and engineers, by level of highest degree, occupation, citizenship status, and employment sector: 2006

Level of highest degree, occupation, and citizenship status	Employed scientists and engineers	Sector of employment			
		Business/industry	4-year college/university	Other educational institution	Government
Computer/information scientists	2,000	2,000	500	S	1,000
U.S. citizen	2,000	1,000	500	S	1,000
Native born	1,000	1,000	500	S	500
Naturalized	1,000	1,000	500	S	500
Non-U.S. citizen	1,000	1,000	500	S	S
Permanent resident	1,000	1,000	500	S	S
Temporary resident	1,000	500	500	S	S
Mathematical scientists	1,000	1,000	500	S	500
U.S. citizen	1,000	1,000	500	S	500
Native born	1,000	500	500	S	500
Naturalized	500	500	*	S	500
Non-U.S. citizen	500	500	500	S	*
Permanent resident	500	500	*	S	S
Temporary resident	500	500	*	S	S
Postsecondary teachers-computer/mathematical sciences	2,000	S	2,000	500	S
U.S. citizen	2,000	S	1,000	500	S
Native born	1,000	S	1,000	500	S
Naturalized	1,000	S	500	500	S
Non-U.S. citizen	1,000	S	1,000	*	S
Permanent resident	1,000	S	1,000	S	S
Temporary resident	500	S	500	S	S
Physical/related scientists	2,000	1,000	1,000	500	1,000
U.S. citizen	1,000	1,000	1,000	500	1,000
Native born	1,000	1,000	1,000	500	1,000
Naturalized	1,000	1,000	500	*	500
Non-U.S. citizen	1,000	1,000	1,000	S	*
Permanent resident	1,000	1,000	1,000	S	*
Temporary resident	1,000	500	1,000	S	*
Chemists, except biochemists	1,000	1,000	1,000	S	500
U.S. citizen	1,000	1,000	500	S	500
Native born	1,000	1,000	500	S	500
Naturalized	500	500	500	S	*
Non-U.S. citizen	1,000	1,000	500	S	*
Permanent resident	1,000	1,000	500	S	S
Temporary resident	1,000	500	500	S	S
Earth/atmospheric/ocean scientists	1,000	500	500	S	500
U.S. citizen	500	500	500	S	500
Native born	500	500	500	S	500
Naturalized	500	*	*	S	500
Non-U.S. citizen	500	500	500	S	S
Permanent resident	500	*	*	S	S
Temporary resident	500	*	500	S	S
Physicists/astronomers	1,000	1,000	1,000	S	500
U.S. citizen	1,000	500	500	S	500
Native born	1,000	500	500	S	500
Naturalized	500	500	500	S	500
Non-U.S. citizen	1,000	500	1,000	S	S
Permanent resident	500	500	500	S	S
Temporary resident	1,000	*	500	S	S

TABLE A-17. Standard errors for employed U.S. scientists and engineers, by level of highest degree, occupation, citizenship status, and employment sector: 2006

Level of highest degree, occupation, and citizenship status	Employed scientists and engineers	Sector of employment			
		Business/industry	4-year college/university	Other educational institution	Government
Postsecondary teachers-physical/related sciences	1,000	*	1,000	500	S
U.S. citizen	1,000	*	1,000	500	S
Native born	1,000	*	1,000	500	S
Naturalized	500	S	500	*	S
Non-U.S. citizen	500	S	500	S	S
Permanent resident	500	S	500	S	S
Temporary resident	500	S	500	S	S
Other physical/related scientists	500	500	500	S	500
U.S. citizen	500	500	*	S	500
Native born	500	500	*	S	*
Naturalized	500	*	S	S	*
Non-U.S. citizen	500	*	*	S	S
Permanent resident	*	S	S	S	S
Temporary resident	*	S	S	S	S
Social/related scientists	2,000	1,000	2,000	1,000	500
U.S. citizen	2,000	1,000	2,000	1,000	500
Native born	2,000	1,000	1,000	1,000	500
Naturalized	1,000	500	1,000	500	500
Non-U.S. citizen	1,000	500	1,000	*	*
Permanent resident	1,000	500	1,000	*	*
Temporary resident	500	500	500	S	S
Economists	500	500	500	S	500
U.S. citizen	500	500	500	S	500
Native born	500	500	500	S	500
Naturalized	500	*	*	S	*
Non-U.S. citizen	500	500	*	S	*
Permanent resident	500	*	*	S	*
Temporary resident	500	500	S	S	S
Political/related scientists	500	*	500	S	*
U.S. citizen	500	*	500	S	*
Native born	500	*	500	S	*
Naturalized	*	S	S	S	S
Non-U.S. citizen	*	S	S	S	S
Permanent resident	S	S	S	S	S
Temporary resident	S	S	S	S	S
Postsecondary teachers-social/related sciences	2,000	S	2,000	1,000	S
U.S. citizen	1,000	S	1,000	1,000	S
Native born	1,000	S	1,000	1,000	S
Naturalized	1,000	S	1,000	*	S
Non-U.S. citizen	1,000	S	1,000	*	S
Permanent resident	1,000	S	1,000	S	S
Temporary resident	500	S	500	S	S
Psychologists	2,000	1,000	1,000	1,000	500
U.S. citizen	1,000	1,000	1,000	1,000	500
Native born	1,000	1,000	1,000	1,000	500
Naturalized	500	500	500	*	*
Non-U.S. citizen	500	500	*	S	S
Permanent resident	500	500	*	S	S
Temporary resident	*	S	S	S	S

TABLE A-17. Standard errors for employed U.S. scientists and engineers, by level of highest degree, occupation, citizenship status, and employment sector: 2006

Level of highest degree, occupation, and citizenship status	Employed scientists and engineers	Sector of employment			
		Business/industry	4-year college/university	Other educational institution	Government
Sociologists/anthropologists	500	500	500	S	500
U.S. citizen	500	500	500	S	500
Native born	500	500	500	S	500
Naturalized	*	S	*	S	*
Non-U.S. citizen	*	S	*	S	S
Permanent resident	*	S	*	S	S
Temporary resident	*	S	S	S	S
Other social/related scientists	1,000	500	500	*	500
U.S. citizen	1,000	500	500	*	500
Native born	500	500	500	S	500
Naturalized	500	500	*	S	S
Non-U.S. citizen	500	*	*	S	S
Permanent resident	*	*	S	S	S
Temporary resident	*	S	S	S	S
Engineers	2,000	2,000	1,000	500	1,000
U.S. citizen	2,000	1,000	1,000	500	1,000
Native born	1,000	1,000	1,000	*	1,000
Naturalized	1,000	1,000	1,000	*	500
Non-U.S. citizen	1,000	1,000	1,000	S	*
Permanent resident	1,000	1,000	500	S	*
Temporary resident	1,000	500	500	S	S
Aerospace/aeronautical/astronautical engineers	1,000	1,000	*	S	500
U.S. citizen	1,000	1,000	*	S	500
Native born	500	500	*	S	500
Naturalized	500	500	S	S	*
Non-U.S. citizen	500	500	*	S	S
Permanent resident	*	*	S	S	S
Temporary resident	*	S	S	S	S
Chemical engineers	1,000	1,000	500	S	*
U.S. citizen	500	500	*	S	*
Native born	500	500	*	S	*
Naturalized	500	500	S	S	S
Non-U.S. citizen	500	500	*	S	S
Permanent resident	500	500	S	S	S
Temporary resident	*	*	S	S	S
Civil/architectural/sanitary engineers	500	500	500	S	500
U.S. citizen	500	500	*	S	500
Native born	500	500	*	S	*
Naturalized	500	500	*	S	500
Non-U.S. citizen	500	500	*	S	S
Permanent resident	500	500	S	S	S
Temporary resident	*	*	S	S	S
Electrical/computer hardware engineers	1,000	1,000	500	S	500
U.S. citizen	1,000	1,000	500	S	500
Native born	1,000	1,000	500	S	500
Naturalized	1,000	500	500	S	*
Non-U.S. citizen	1,000	1,000	500	S	S
Permanent resident	1,000	1,000	*	S	S
Temporary resident	500	500	500	S	S

TABLE A-17. Standard errors for employed U.S. scientists and engineers, by level of highest degree, occupation, citizenship status, and employment sector: 2006

Level of highest degree, occupation, and citizenship status	Employed scientists and engineers	Sector of employment			
		Business/industry	4-year college/university	Other educational institution	Government
Industrial engineers	1,000	500	*	S	S
U.S. citizen	1,000	500	*	S	S
Native born	1,000	500	S	S	S
Naturalized	*	*	S	S	S
Non-U.S. citizen	*	*	S	S	S
Permanent resident	S	S	S	S	S
Temporary resident	S	S	S	S	S
Mechanical engineers	1,000	500	500	S	500
U.S. citizen	500	500	500	S	500
Native born	500	500	S	S	*
Naturalized	500	500	*	S	*
Non-U.S. citizen	500	500	500	S	S
Permanent resident	500	500	*	S	S
Temporary resident	500	500	*	S	S
Postsecondary teachers-engineering	1,000	S	1,000	500	S
U.S. citizen	1,000	S	1,000	500	S
Native born	1,000	S	1,000	*	S
Naturalized	1,000	S	1,000	S	S
Non-U.S. citizen	500	S	500	S	S
Permanent resident	500	S	500	S	S
Temporary resident	500	S	500	S	S
Other engineers	1,000	1,000	500	S	500
U.S. citizen	1,000	1,000	500	S	500
Native born	1,000	1,000	500	S	500
Naturalized	500	500	500	S	500
Non-U.S. citizen	1,000	500	500	S	S
Permanent resident	500	500	*	S	S
Temporary resident	500	500	500	S	S
S&E-related occupations	3,000	2,000	2,000	2,000	1,000
U.S. citizen	3,000	2,000	2,000	2,000	1,000
Native born	3,000	1,000	1,000	2,000	500
Naturalized	1,000	1,000	1,000	500	500
Non-U.S. citizen	1,000	1,000	500	*	500
Permanent resident	1,000	1,000	500	*	S
Temporary resident	500	500	500	S	S
Health-related occupations	2,000	1,000	2,000	500	1,000
U.S. citizen	2,000	1,000	2,000	500	500
Native born	2,000	1,000	1,000	500	500
Naturalized	1,000	1,000	500	S	*
Non-U.S. citizen	1,000	1,000	500	S	500
Permanent resident	1,000	1,000	500	S	S
Temporary resident	500	S	500	S	S
S&E managers	1,000	1,000	500	*	500
U.S. citizen	1,000	1,000	500	*	500
Native born	1,000	1,000	500	S	500
Naturalized	1,000	1,000	*	S	500
Non-U.S. citizen	500	500	*	S	S
Permanent resident	500	500	S	S	S
Temporary resident	*	*	S	S	S

TABLE A-17. Standard errors for employed U.S. scientists and engineers, by level of highest degree, occupation, citizenship status, and employment sector: 2006

Level of highest degree, occupation, and citizenship status	Employed scientists and engineers	Sector of employment			
		Business/industry	4-year college/university	Other educational institution	Government
S&E precollege teachers	2,000	S	S	2,000	S
U.S. citizen	2,000	S	S	2,000	S
Native born	2,000	S	S	2,000	S
Naturalized	500	S	S	500	S
Non-U.S. citizen	*	S	S	*	S
Permanent resident	*	S	S	*	S
Temporary resident	S	S	S	S	S
S&E technicians/technologists	500	500	500	S	*
U.S. citizen	500	500	*	S	*
Native born	500	500	*	S	S
Naturalized	500	500	S	S	S
Non-U.S. citizen	500	500	*	S	S
Permanent resident	500	500	S	S	S
Temporary resident	*	*	S	S	S
Other S&E-related occupations	500	*	S	S	S
U.S. citizen	*	*	S	S	S
Native born	*	*	S	S	S
Naturalized	S	S	S	S	S
Non-U.S. citizen	S	S	S	S	S
Permanent resident	S	S	S	S	S
Temporary resident	S	S	S	S	S
Non-S&E occupations	7,000	5,000	4,000	3,000	2,000
U.S. citizen	7,000	5,000	4,000	3,000	2,000
Native born	6,000	4,000	4,000	3,000	2,000
Naturalized	2,000	2,000	1,000	1,000	500
Non-U.S. citizen	1,000	1,000	1,000	*	*
Permanent resident	1,000	1,000	1,000	S	*
Temporary resident	1,000	500	500	S	S
Art/humanities/related occupations	1,000	1,000	500	S	500
U.S. citizen	1,000	1,000	500	S	500
Native born	1,000	500	500	S	500
Naturalized	500	500	S	S	S
Non-U.S. citizen	500	500	S	S	S
Permanent resident	500	500	S	S	S
Temporary resident	S	S	S	S	S
Management-related occupations	3,000	3,000	1,000	1,000	1,000
U.S. citizen	3,000	2,000	1,000	1,000	1,000
Native born	3,000	2,000	1,000	1,000	1,000
Naturalized	1,000	1,000	*	S	500
Non-U.S. citizen	1,000	1,000	*	S	S
Permanent resident	1,000	1,000	S	S	S
Temporary resident	500	500	S	S	S
Non-S&E managers	3,000	2,000	2,000	2,000	1,000
U.S. citizen	3,000	2,000	2,000	2,000	1,000
Native born	3,000	2,000	1,000	2,000	1,000
Naturalized	1,000	1,000	500	*	*
Non-U.S. citizen	1,000	1,000	500	S	S
Permanent resident	1,000	1,000	500	S	S
Temporary resident	*	*	S	S	S

TABLE A-17. Standard errors for employed U.S. scientists and engineers, by level of highest degree, occupation, citizenship status, and employment sector: 2006

Level of highest degree, occupation, and citizenship status	Employed scientists and engineers	Sector of employment			
		Business/industry	4-year college/university	Other educational institution	Government
Non-S&E postsecondary teachers	3,000	500	3,000	1,000	S
U.S. citizen	3,000	500	3,000	1,000	S
Native born	3,000	500	3,000	1,000	S
Naturalized	1,000	S	1,000	*	S
Non-U.S. citizen	1,000	S	1,000	S	S
Permanent resident	500	S	500	S	S
Temporary resident	500	S	500	S	S
Non-S&E precollege/other teachers	2,000	*	S	2,000	S
U.S. citizen	2,000	*	S	2,000	S
Native born	1,000	S	S	1,000	S
Naturalized	1,000	S	S	1,000	S
Non-U.S. citizen	S	S	S	S	S
Permanent resident	S	S	S	S	S
Temporary resident	S	S	S	S	S
Sales/marketing occupations	2,000	2,000	S	S	S
U.S. citizen	2,000	2,000	S	S	S
Native born	2,000	2,000	S	S	S
Naturalized	1,000	1,000	S	S	S
Non-U.S. citizen	1,000	1,000	S	S	S
Permanent resident	1,000	1,000	S	S	S
Temporary resident	*	*	S	S	S
Social services/related occupations	2,000	2,000	*	1,000	500
U.S. citizen	2,000	2,000	*	1,000	500
Native born	2,000	2,000	*	1,000	500
Naturalized	500	500	S	S	S
Non-U.S. citizen	*	S	S	S	S
Permanent resident	S	S	S	S	S
Temporary resident	S	S	S	S	S
Other non-S&E occupations	2,000	2,000	1,000	500	500
U.S. citizen	2,000	2,000	1,000	500	500
Native born	2,000	2,000	1,000	*	500
Naturalized	1,000	1,000	*	S	500
Non-U.S. citizen	1,000	1,000	S	S	S
Permanent resident	1,000	1,000	S	S	S
Temporary resident	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 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 through 2005, 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. Business/industry includes self-employed individuals, nonprofit organizations, and other unspecified. Four-year college/university includes medical schools and university-affiliated research institutes. Other educational institution includes 2-year colleges, precollege institutions, and other educational institutions. Government includes federal, state, and local employers. 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): 2006.