

TABLE A-12. Standard errors for employed U.S. scientists and engineers, by level and field of highest degree, sex, and employment sector: 2006

Level and field of highest degree and sex	Employed scientists and engineers	Business/industry				Educational institution			Government		
		Total	Profit	Self-employed	Nonprofit	Total	4-year college/university	Other	Total	Federal	State/local
All degree levels and fields ^a	83,000	70,000	63,000	28,000	32,000	40,000	25,000	31,000	32,000	20,000	27,000
Male	61,000	53,000	50,000	21,000	17,000	23,000	15,000	18,000	26,000	15,000	21,000
Female	53,000	48,000	37,000	19,000	28,000	34,000	19,000	28,000	21,000	13,000	18,000
S&E fields	66,000	59,000	51,000	18,000	20,000	25,000	15,000	20,000	24,000	14,000	20,000
Male	53,000	47,000	44,000	13,000	11,000	14,000	11,000	10,000	20,000	11,000	16,000
Female	37,000	35,000	26,000	12,000	17,000	19,000	10,000	17,000	14,000	8,000	12,000
Sciences	63,000	54,000	46,000	17,000	20,000	24,000	15,000	20,000	23,000	13,000	19,000
Male	47,000	40,000	37,000	13,000	11,000	14,000	10,000	10,000	18,000	10,000	15,000
Female	38,000	35,000	26,000	12,000	17,000	19,000	10,000	16,000	14,000	8,000	12,000
Biological/agricultural/environmental life sciences	28,000	25,000	22,000	9,000	9,000	11,000	8,000	9,000	11,000	7,000	9,000
Male	20,000	18,000	17,000	6,000	5,000	7,000	5,000	5,000	9,000	6,000	7,000
Female	18,000	16,000	13,000	6,000	8,000	9,000	6,000	7,000	6,000	4,000	5,000
Agricultural/food sciences	13,000	12,000	10,000	5,000	3,000	4,000	3,000	3,000	5,000	4,000	3,000
Male	9,000	8,000	7,000	4,000	2,000	3,000	3,000	2,000	4,000	3,000	3,000
Female	8,000	7,000	6,000	3,000	2,000	3,000	2,000	2,000	3,000	1,000	2,000
Biological sciences	24,000	21,000	19,000	7,000	8,000	10,000	7,000	7,000	8,000	5,000	7,000
Male	16,000	15,000	14,000	5,000	4,000	6,000	5,000	4,000	6,000	4,000	5,000
Female	16,000	14,000	10,000	4,000	7,000	9,000	6,000	6,000	5,000	3,000	5,000
Environmental life sciences	9,000	7,000	6,000	2,000	3,000	2,000	2,000	2,000	5,000	3,000	4,000
Male	8,000	6,000	5,000	2,000	2,000	2,000	2,000	1,000	4,000	2,000	4,000
Female	5,000	5,000	4,000	1,000	2,000	1,000	1,000	1,000	3,000	2,000	2,000
Computer/mathematical sciences	23,000	21,000	19,000	6,000	6,000	8,000	5,000	6,000	7,000	5,000	5,000
Male	17,000	16,000	15,000	4,000	4,000	6,000	4,000	4,000	6,000	4,000	4,000
Female	15,000	12,000	11,000	4,000	4,000	7,000	3,000	6,000	4,000	3,000	3,000
Computer/information sciences	17,000	16,000	14,000	4,000	4,000	6,000	4,000	4,000	6,000	4,000	4,000
Male	14,000	13,000	12,000	3,000	3,000	4,000	3,000	2,000	5,000	4,000	4,000
Female	10,000	9,000	8,000	3,000	3,000	4,000	2,000	4,000	3,000	2,000	2,000
Mathematical sciences	16,000	14,000	12,000	4,000	4,000	6,000	3,000	5,000	4,000	2,000	3,000
Male	11,000	11,000	10,000	3,000	2,000	4,000	2,000	3,000	3,000	2,000	2,000
Female	10,000	8,000	7,000	3,000	3,000	5,000	2,000	5,000	2,000	1,000	2,000
Physical/related sciences	14,000	12,000	12,000	5,000	3,000	6,000	4,000	5,000	5,000	3,000	4,000
Male	13,000	12,000	10,000	4,000	2,000	5,000	3,000	4,000	5,000	3,000	4,000
Female	8,000	6,000	5,000	2,000	3,000	4,000	3,000	3,000	3,000	2,000	2,000
Chemistry, except biochemistry	11,000	9,000	8,000	3,000	3,000	4,000	3,000	3,000	3,000	2,000	3,000
Male	9,000	8,000	7,000	2,000	1,000	3,000	1,000	2,000	3,000	1,000	3,000

TABLE A-12. Standard errors for employed U.S. scientists and engineers, by level and field of highest degree, sex, and employment sector: 2006

Level and field of highest degree and sex	Employed scientists and engineers	Business/industry				Educational institution			Government		
		Total	Profit	Self-employed	Nonprofit	Total	4-year college/university	Other	Total	Federal	State/local
Female	5,000	5,000	4,000	1,000	2,000	3,000	2,000	2,000	2,000	1,000	1,000
Earth/atmospheric/ocean sciences	8,000	7,000	6,000	2,000	1,000	3,000	2,000	3,000	4,000	2,000	3,000
Male	7,000	6,000	6,000	2,000	1,000	3,000	1,000	2,000	3,000	2,000	2,000
Female	4,000	2,000	2,000	1,000	1,000	2,000	1,000	1,000	2,000	1,000	2,000
Physics/astronomy	6,000	5,000	5,000	2,000	1,000	3,000	2,000	2,000	2,000	2,000	1,000
Male	5,000	5,000	4,000	2,000	1,000	2,000	2,000	1,000	1,000	1,000	500
Female	2,000	2,000	1,000	1,000	1,000	2,000	1,000	1,000	1,000	1,000	1,000
Other physical sciences	5,000	4,000	3,000	2,000	1,000	2,000	2,000	1,000	2,000	1,000	1,000
Male	4,000	3,000	2,000	2,000	500	2,000	1,000	500	2,000	1,000	1,000
Female	3,000	3,000	2,000	1,000	1,000	2,000	1,000	1,000	500	500	500
Social/related sciences	50,000	41,000	35,000	14,000	15,000	20,000	10,000	17,000	18,000	11,000	15,000
Male	35,000	29,000	26,000	10,000	8,000	10,000	7,000	7,000	14,000	8,000	11,000
Female	33,000	29,000	23,000	11,000	13,000	15,000	8,000	15,000	11,000	6,000	10,000
Economics	19,000	18,000	17,000	7,000	5,000	5,000	4,000	3,000	4,000	3,000	3,000
Male	18,000	17,000	16,000	5,000	4,000	4,000	3,000	2,000	4,000	3,000	3,000
Female	10,000	9,000	8,000	4,000	3,000	3,000	2,000	2,000	2,000	1,000	2,000
Political/related sciences	22,000	19,000	16,000	6,000	6,000	6,000	4,000	5,000	9,000	6,000	7,000
Male	17,000	15,000	13,000	5,000	3,000	4,000	3,000	3,000	7,000	5,000	5,000
Female	13,000	11,000	9,000	4,000	4,000	4,000	2,000	4,000	4,000	3,000	4,000
Psychology	26,000	21,000	18,000	8,000	9,000	14,000	6,000	13,000	11,000	5,000	10,000
Male	15,000	13,000	10,000	5,000	4,000	5,000	3,000	4,000	7,000	4,000	6,000
Female	21,000	17,000	14,000	6,000	9,000	13,000	5,000	12,000	8,000	4,000	7,000
Sociology/anthropology	20,000	18,000	14,000	7,000	8,000	9,000	5,000	8,000	10,000	5,000	9,000
Male	13,000	11,000	9,000	4,000	4,000	4,000	2,000	3,000	8,000	4,000	7,000
Female	16,000	14,000	11,000	5,000	7,000	8,000	4,000	7,000	6,000	3,000	6,000
Other social sciences	15,000	13,000	12,000	5,000	4,000	7,000	4,000	6,000	6,000	5,000	5,000
Male	11,000	10,000	9,000	3,000	2,000	4,000	2,000	3,000	5,000	4,000	3,000
Female	12,000	9,000	8,000	3,000	3,000	6,000	3,000	5,000	4,000	2,000	4,000
Engineering	27,000	26,000	25,000	6,000	4,000	6,000	4,000	4,000	8,000	5,000	7,000
Male	27,000	25,000	24,000	6,000	3,000	5,000	4,000	3,000	7,000	5,000	6,000
Female	9,000	8,000	7,000	3,000	2,000	3,000	2,000	2,000	3,000	2,000	2,000
Aerospace/related engineering	6,000	5,000	5,000	1,000	1,000	1,000	1,000	1,000	2,000	1,000	1,000
Male	5,000	5,000	5,000	500	500	1,000	1,000	S	2,000	1,000	S
Female	2,000	2,000	1,000	S	1,000	500	500	S	500	500	S
Chemical engineering	7,000	6,000	6,000	1,000	1,000	2,000	2,000	1,000	2,000	1,000	1,000

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Level and field of highest degree and sex	Employed scientists and engineers	Business/industry				Educational institution			Government		
		Total	Profit	Self-employed	Nonprofit	Total	4-year college/university	Other	Total	Federal	State/local
Male	6,000	6,000	6,000	1,000	1,000	2,000	2,000	500	1,000	1,000	1,000
Female	3,000	2,000	2,000	500	1,000	1,000	500	1,000	1,000	1,000	1,000
Civil/architectural engineering	11,000	9,000	9,000	3,000	1,000	2,000	1,000	1,000	5,000	2,000	5,000
Male	11,000	9,000	9,000	3,000	1,000	2,000	1,000	1,000	5,000	2,000	4,000
Female	4,000	3,000	3,000	1,000	S	1,000	500	1,000	2,000	1,000	2,000
Electrical/computer engineering	14,000	14,000	13,000	3,000	2,000	2,000	2,000	1,000	4,000	3,000	2,000
Male	13,000	13,000	13,000	3,000	2,000	2,000	2,000	1,000	4,000	3,000	2,000
Female	5,000	5,000	4,000	2,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000
Industrial engineering	8,000	7,000	7,000	2,000	2,000	2,000	1,000	1,000	2,000	1,000	2,000
Male	7,000	7,000	6,000	2,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000
Female	3,000	3,000	2,000	1,000	1,000	1,000	500	1,000	2,000	1,000	1,000
Mechanical engineering	13,000	12,000	12,000	3,000	1,000	2,000	2,000	2,000	4,000	3,000	2,000
Male	13,000	12,000	12,000	3,000	1,000	2,000	2,000	1,000	4,000	3,000	2,000
Female	3,000	3,000	3,000	1,000	*	1,000	500	1,000	500	500	*
Other engineering	11,000	10,000	9,000	3,000	1,000	3,000	2,000	2,000	3,000	2,000	2,000
Male	10,000	9,000	9,000	2,000	1,000	2,000	2,000	1,000	3,000	2,000	2,000
Female	3,000	3,000	2,000	1,000	500	2,000	1,000	1,000	1,000	1,000	1,000
S&E-related fields	43,000	38,000	33,000	15,000	21,000	22,000	15,000	17,000	15,000	9,000	12,000
Male	27,000	23,000	22,000	11,000	10,000	12,000	8,000	8,000	9,000	6,000	7,000
Female	33,000	30,000	23,000	10,000	18,000	19,000	13,000	14,000	12,000	6,000	10,000
Health	35,000	32,000	27,000	13,000	21,000	17,000	15,000	12,000	13,000	8,000	11,000
Male	20,000	18,000	16,000	9,000	10,000	7,000	7,000	4,000	7,000	5,000	5,000
Female	30,000	27,000	21,000	9,000	18,000	16,000	13,000	11,000	11,000	6,000	9,000
Science/mathematics teacher education	16,000	9,000	7,000	4,000	2,000	12,000	3,000	11,000	3,000	1,000	3,000
Male	10,000	6,000	5,000	3,000	1,000	7,000	2,000	7,000	2,000	1,000	2,000
Female	12,000	7,000	5,000	3,000	2,000	9,000	2,000	9,000	2,000	1,000	2,000
Technology/technical fields	13,000	13,000	12,000	4,000	3,000	4,000	3,000	3,000	4,000	3,000	3,000
Male	13,000	12,000	11,000	4,000	2,000	3,000	2,000	3,000	4,000	3,000	3,000
Female	5,000	4,000	4,000	1,000	1,000	2,000	2,000	1,000	1,000	1,000	1,000
Other S&E-related fields	14,000	13,000	11,000	6,000	3,000	3,000	2,000	3,000	5,000	2,000	4,000
Male	12,000	12,000	10,000	5,000	1,000	2,000	1,000	2,000	4,000	2,000	4,000
Female	7,000	6,000	6,000	2,000	2,000	3,000	2,000	2,000	2,000	1,000	2,000
Non-S&E fields	47,000	38,000	31,000	14,000	16,000	26,000	12,000	22,000	17,000	10,000	14,000
Male	34,000	28,000	25,000	12,000	10,000	18,000	8,000	15,000	14,000	9,000	11,000
Female	32,000	26,000	20,000	8,000	13,000	18,000	8,000	16,000	12,000	5,000	10,000

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		Total	Profit	Self-employed	Nonprofit	Total	4-year college/university	Other	Total	Federal	State/local
Arts/humanities	13,000	12,000	10,000	4,000	5,000	7,000	4,000	5,000	4,000	2,000	4,000
Male	10,000	8,000	7,000	2,000	3,000	5,000	3,000	4,000	4,000	2,000	3,000
Female	10,000	8,000	6,000	3,000	4,000	5,000	3,000	4,000	3,000	1,000	3,000
Education, except science/mathematics teacher education	24,000	12,000	10,000	5,000	6,000	21,000	6,000	19,000	5,000	3,000	5,000
Male	16,000	7,000	5,000	3,000	3,000	13,000	3,000	13,000	4,000	2,000	3,000
Female	19,000	10,000	8,000	4,000	5,000	16,000	5,000	15,000	4,000	1,000	4,000
Management/administration	27,000	24,000	23,000	7,000	7,000	7,000	6,000	6,000	9,000	5,000	7,000
Male	21,000	20,000	19,000	6,000	5,000	6,000	5,000	4,000	7,000	5,000	6,000
Female	14,000	12,000	11,000	4,000	5,000	5,000	3,000	4,000	5,000	3,000	4,000
Sales/marketing	9,000	9,000	8,000	2,000	3,000	2,000	2,000	2,000	2,000	1,000	2,000
Male	7,000	7,000	7,000	1,000	1,000	2,000	1,000	1,000	2,000	S	2,000
Female	5,000	5,000	4,000	1,000	3,000	1,000	S	S	S	S	S
Social services/related	14,000	12,000	7,000	4,000	8,000	6,000	4,000	5,000	5,000	2,000	5,000
Male	10,000	8,000	5,000	3,000	5,000	5,000	3,000	4,000	4,000	2,000	3,000
Female	10,000	8,000	5,000	3,000	6,000	5,000	2,000	4,000	5,000	1,000	5,000
Other non-S&E fields	25,000	20,000	17,000	10,000	7,000	8,000	5,000	6,000	13,000	6,000	12,000
Male	18,000	16,000	14,000	8,000	4,000	6,000	4,000	3,000	10,000	6,000	9,000
Female	18,000	14,000	12,000	5,000	6,000	6,000	4,000	5,000	9,000	3,000	8,000
Bachelor's degrees	70,000	62,000	55,000	21,000	27,000	29,000	18,000	24,000	28,000	15,000	23,000
Male	50,000	46,000	43,000	15,000	14,000	14,000	10,000	10,000	21,000	12,000	17,000
Female	45,000	40,000	33,000	15,000	23,000	25,000	14,000	22,000	17,000	9,000	15,000
S&E fields	61,000	55,000	47,000	16,000	18,000	22,000	13,000	18,000	23,000	12,000	19,000
Male	47,000	42,000	40,000	12,000	10,000	12,000	9,000	9,000	19,000	10,000	15,000
Female	35,000	33,000	25,000	11,000	15,000	17,000	8,000	15,000	13,000	7,000	11,000
Sciences	60,000	52,000	44,000	16,000	18,000	21,000	12,000	17,000	22,000	12,000	17,000
Male	44,000	38,000	34,000	12,000	10,000	12,000	9,000	8,000	17,000	10,000	13,000
Female	35,000	33,000	25,000	11,000	15,000	16,000	8,000	15,000	12,000	7,000	11,000
Biological/agricultural/environmental life sciences	27,000	24,000	21,000	8,000	9,000	10,000	7,000	8,000	10,000	6,000	8,000
Male	19,000	17,000	16,000	6,000	4,000	6,000	5,000	4,000	8,000	5,000	6,000
Female	18,000	16,000	12,000	6,000	7,000	8,000	6,000	6,000	6,000	3,000	5,000
Agricultural/food sciences	12,000	12,000	10,000	5,000	2,000	4,000	2,000	3,000	5,000	4,000	3,000
Male	9,000	8,000	7,000	3,000	1,000	3,000	2,000	2,000	4,000	3,000	3,000
Female	8,000	7,000	6,000	3,000	2,000	2,000	1,000	2,000	3,000	1,000	2,000
Biological sciences	23,000	21,000	18,000	6,000	8,000	10,000	7,000	7,000	7,000	4,000	6,000
Male	15,000	14,000	13,000	5,000	4,000	5,000	4,000	3,000	6,000	3,000	5,000

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		Total	Profit	Self-employed	Nonprofit	Total	4-year college/university	Other	Total	Federal	State/local
Female	16,000	13,000	10,000	4,000	7,000	8,000	6,000	6,000	5,000	3,000	4,000
Environmental life sciences	8,000	6,000	6,000	2,000	3,000	2,000	2,000	1,000	4,000	2,000	4,000
Male	7,000	5,000	5,000	1,000	1,000	2,000	1,000	1,000	4,000	2,000	3,000
Female	5,000	4,000	4,000	1,000	2,000	1,000	1,000	1,000	2,000	1,000	2,000
Computer/mathematical sciences	21,000	20,000	18,000	5,000	5,000	7,000	4,000	6,000	6,000	5,000	5,000
Male	16,000	15,000	15,000	4,000	4,000	5,000	3,000	3,000	5,000	4,000	4,000
Female	14,000	11,000	10,000	3,000	4,000	6,000	2,000	5,000	3,000	2,000	3,000
Computer/information sciences	15,000	14,000	13,000	3,000	4,000	5,000	4,000	4,000	5,000	4,000	4,000
Male	12,000	12,000	11,000	2,000	3,000	4,000	3,000	2,000	5,000	3,000	3,000
Female	9,000	8,000	7,000	2,000	3,000	3,000	2,000	3,000	3,000	2,000	2,000
Mathematical sciences	15,000	13,000	12,000	4,000	4,000	6,000	2,000	5,000	3,000	2,000	3,000
Male	11,000	10,000	10,000	3,000	2,000	3,000	2,000	2,000	3,000	2,000	2,000
Female	9,000	8,000	7,000	2,000	3,000	5,000	1,000	5,000	2,000	1,000	2,000
Physical/related sciences	13,000	12,000	11,000	4,000	3,000	5,000	4,000	3,000	5,000	3,000	4,000
Male	12,000	11,000	10,000	4,000	2,000	4,000	2,000	3,000	4,000	2,000	4,000
Female	7,000	5,000	5,000	2,000	3,000	4,000	3,000	2,000	3,000	2,000	2,000
Chemistry, except biochemistry	10,000	8,000	8,000	2,000	3,000	4,000	2,000	3,000	3,000	2,000	3,000
Male	8,000	7,000	7,000	2,000	1,000	2,000	1,000	2,000	3,000	1,000	3,000
Female	5,000	4,000	4,000	1,000	2,000	3,000	2,000	2,000	1,000	1,000	1,000
Earth/atmospheric/ocean sciences	7,000	6,000	6,000	2,000	1,000	2,000	1,000	2,000	3,000	2,000	3,000
Male	6,000	6,000	6,000	2,000	S	2,000	500	2,000	3,000	1,000	2,000
Female	3,000	2,000	2,000	500	1,000	2,000	1,000	1,000	2,000	1,000	2,000
Physics/astronomy	6,000	5,000	4,000	2,000	1,000	2,000	2,000	2,000	2,000	1,000	1,000
Male	5,000	5,000	4,000	2,000	500	2,000	1,000	1,000	1,000	1,000	*
Female	2,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	S
Other physical sciences	4,000	4,000	3,000	2,000	S	2,000	2,000	1,000	2,000	1,000	1,000
Male	3,000	3,000	2,000	S	S	S	S	S	2,000	1,000	1,000
Female	3,000	2,000	2,000	S	S	1,000	S	S	500	500	500
Social/related sciences	46,000	37,000	32,000	13,000	14,000	18,000	8,000	16,000	17,000	10,000	14,000
Male	32,000	27,000	24,000	9,000	7,000	8,000	6,000	6,000	13,000	8,000	11,000
Female	29,000	26,000	21,000	9,000	11,000	14,000	6,000	13,000	10,000	5,000	9,000
Economics	19,000	17,000	16,000	7,000	5,000	4,000	3,000	3,000	4,000	3,000	3,000
Male	17,000	16,000	15,000	5,000	3,000	4,000	3,000	2,000	4,000	3,000	3,000
Female	9,000	8,000	8,000	4,000	2,000	2,000	2,000	1,000	2,000	1,000	1,000
Political/related sciences	20,000	17,000	15,000	6,000	5,000	6,000	3,000	5,000	8,000	6,000	6,000

TABLE A-12. Standard errors for employed U.S. scientists and engineers, by level and field of highest degree, sex, and employment sector: 2006

Level and field of highest degree and sex	Employed scientists and engineers	Business/industry				Educational institution			Government		
		Total	Profit	Self-employed	Nonprofit	Total	4-year college/university	Other	Total	Federal	State/local
Male	16,000	14,000	12,000	4,000	3,000	4,000	2,000	3,000	7,000	5,000	5,000
Female	11,000	10,000	8,000	4,000	4,000	4,000	2,000	4,000	4,000	3,000	3,000
Psychology	23,000	19,000	17,000	7,000	8,000	11,000	4,000	10,000	9,000	4,000	8,000
Male	14,000	12,000	10,000	5,000	3,000	4,000	3,000	4,000	6,000	3,000	5,000
Female	18,000	16,000	14,000	5,000	7,000	10,000	4,000	9,000	7,000	2,000	6,000
Sociology/anthropology	21,000	18,000	14,000	6,000	8,000	9,000	4,000	8,000	10,000	5,000	9,000
Male	13,000	10,000	9,000	4,000	4,000	4,000	2,000	3,000	7,000	4,000	7,000
Female	17,000	14,000	11,000	5,000	6,000	8,000	3,000	7,000	6,000	3,000	6,000
Other social sciences	14,000	13,000	11,000	4,000	4,000	6,000	3,000	5,000	6,000	4,000	4,000
Male	10,000	9,000	8,000	3,000	2,000	3,000	2,000	3,000	5,000	4,000	3,000
Female	11,000	9,000	8,000	3,000	3,000	5,000	2,000	4,000	4,000	2,000	3,000
Engineering	24,000	23,000	22,000	6,000	4,000	5,000	3,000	3,000	8,000	5,000	7,000
Male	23,000	22,000	21,000	5,000	3,000	4,000	3,000	3,000	7,000	5,000	6,000
Female	8,000	7,000	6,000	3,000	2,000	2,000	1,000	2,000	3,000	2,000	2,000
Aerospace/related engineering	5,000	5,000	5,000	1,000	1,000	1,000	1,000	S	1,000	1,000	1,000
Male	5,000	5,000	5,000	*	S	1,000	1,000	S	1,000	1,000	S
Female	2,000	2,000	1,000	S	1,000	*	*	S	*	*	S
Chemical engineering	6,000	6,000	6,000	1,000	1,000	2,000	2,000	1,000	1,000	1,000	1,000
Male	6,000	6,000	5,000	1,000	500	2,000	2,000	500	1,000	1,000	1,000
Female	3,000	2,000	2,000	500	1,000	1,000	500	1,000	1,000	1,000	500
Civil/architectural engineering	9,000	8,000	8,000	2,000	1,000	2,000	1,000	1,000	4,000	2,000	4,000
Male	9,000	8,000	8,000	2,000	1,000	2,000	1,000	1,000	4,000	2,000	4,000
Female	3,000	2,000	2,000	1,000	S	1,000	500	S	1,000	1,000	1,000
Electrical/computer engineering	11,000	11,000	11,000	3,000	2,000	2,000	1,000	1,000	4,000	3,000	2,000
Male	11,000	11,000	10,000	2,000	2,000	2,000	1,000	1,000	3,000	3,000	2,000
Female	4,000	4,000	3,000	2,000	500	1,000	500	1,000	1,000	1,000	1,000
Industrial engineering	7,000	7,000	6,000	2,000	2,000	1,000	500	1,000	2,000	1,000	2,000
Male	6,000	6,000	6,000	2,000	1,000	1,000	500	S	1,000	1,000	1,000
Female	3,000	2,000	2,000	500	1,000	1,000	*	1,000	1,000	500	S
Mechanical engineering	11,000	11,000	11,000	3,000	1,000	2,000	1,000	2,000	3,000	3,000	2,000
Male	11,000	11,000	10,000	3,000	1,000	2,000	1,000	1,000	3,000	2,000	2,000
Female	3,000	3,000	3,000	1,000	S	1,000	500	1,000	500	500	S
Other engineering	9,000	9,000	8,000	2,000	1,000	2,000	2,000	1,000	3,000	2,000	2,000
Male	9,000	8,000	8,000	2,000	1,000	2,000	1,000	1,000	2,000	2,000	2,000
Female	3,000	2,000	2,000	1,000	S	1,000	1,000	500	1,000	1,000	1,000

TABLE A-12. Standard errors for employed U.S. scientists and engineers, by level and field of highest degree, sex, and employment sector: 2006

Level and field of highest degree and sex	Employed scientists and engineers	Business/industry				Educational institution			Government		
		Total	Profit	Self-employed	Nonprofit	Total	4-year college/university	Other	Total	Federal	State/local
S&E-related fields	38,000	33,000	28,000	10,000	17,000	16,000	11,000	12,000	12,000	7,000	10,000
Male	20,000	19,000	17,000	6,000	7,000	7,000	3,000	5,000	7,000	4,000	6,000
Female	31,000	26,000	20,000	7,000	16,000	15,000	11,000	11,000	10,000	5,000	8,000
Health	30,000	27,000	21,000	8,000	17,000	13,000	11,000	9,000	11,000	6,000	9,000
Male	11,000	11,000	9,000	3,000	7,000	3,000	2,000	2,000	6,000	3,000	4,000
Female	27,000	23,000	18,000	7,000	16,000	13,000	11,000	9,000	10,000	5,000	8,000
Science/mathematics teacher education	12,000	8,000	7,000	4,000	2,000	8,000	2,000	8,000	2,000	1,000	2,000
Male	7,000	5,000	5,000	2,000	1,000	5,000	S	4,000	2,000	S	1,000
Female	8,000	6,000	4,000	3,000	1,000	6,000	S	6,000	1,000	1,000	S
Technology/technical fields	12,000	12,000	11,000	4,000	2,000	3,000	2,000	2,000	4,000	3,000	3,000
Male	12,000	11,000	11,000	3,000	2,000	3,000	2,000	2,000	4,000	3,000	3,000
Female	4,000	4,000	4,000	1,000	1,000	2,000	S	1,000	1,000	S	1,000
Other S&E-related fields	12,000	11,000	10,000	5,000	2,000	3,000	2,000	2,000	3,000	2,000	3,000
Male	11,000	10,000	9,000	4,000	1,000	2,000	S	S	3,000	S	3,000
Female	6,000	6,000	5,000	2,000	S	S	S	S	1,000	S	1,000
Non-S&E degrees	28,000	23,000	20,000	6,000	9,000	11,000	6,000	10,000	9,000	4,000	8,000
Male	20,000	17,000	15,000	4,000	5,000	7,000	4,000	6,000	7,000	4,000	5,000
Female	19,000	15,000	12,000	4,000	7,000	9,000	4,000	9,000	6,000	2,000	5,000
Arts/humanities	11,000	10,000	8,000	3,000	4,000	5,000	3,000	4,000	4,000	2,000	3,000
Male	8,000	7,000	6,000	2,000	3,000	3,000	2,000	2,000	3,000	2,000	3,000
Female	8,000	6,000	5,000	2,000	3,000	4,000	3,000	3,000	3,000	1,000	3,000
Education, except science/mathematics teacher education	10,000	7,000	7,000	2,000	3,000	8,000	2,000	8,000	3,000	1,000	3,000
Male	6,000	4,000	3,000	S	2,000	4,000	1,000	4,000	2,000	S	1,000
Female	9,000	6,000	6,000	2,000	2,000	7,000	2,000	7,000	2,000	S	2,000
Management/administration	17,000	15,000	13,000	4,000	5,000	5,000	3,000	4,000	5,000	2,000	4,000
Male	13,000	12,000	10,000	3,000	4,000	4,000	3,000	3,000	4,000	2,000	3,000
Female	9,000	8,000	7,000	2,000	4,000	3,000	2,000	3,000	2,000	1,000	2,000
Sales/marketing	5,000	5,000	5,000	S	2,000	1,000	S	S	2,000	S	S
Male	4,000	4,000	4,000	S	S	1,000	S	S	S	S	S
Female	4,000	4,000	3,000	S	S	S	S	S	S	S	S
Social services/related	5,000	4,000	3,000	S	2,000	1,000	1,000	S	2,000	S	1,000
Male	4,000	3,000	3,000	S	S	1,000	S	S	1,000	S	S
Female	3,000	2,000	2,000	S	2,000	S	S	S	1,000	S	1,000
Other non-S&E fields	11,000	9,000	8,000	3,000	4,000	4,000	2,000	4,000	4,000	2,000	4,000
Male	7,000	6,000	5,000	2,000	2,000	3,000	2,000	2,000	3,000	2,000	3,000

TABLE A-12. Standard errors for employed U.S. scientists and engineers, by level and field of highest degree, sex, and employment sector: 2006

Level and field of highest degree and sex	Employed scientists and engineers	Business/industry				Educational institution			Government		
		Total	Profit	Self-employed	Nonprofit	Total	4-year college/university	Other	Total	Federal	State/local
Female	8,000	7,000	6,000	2,000	3,000	3,000	2,000	3,000	3,000	1,000	2,000
Master's degrees	46,000	37,000	30,000	13,000	16,000	26,000	12,000	23,000	17,000	11,000	14,000
Male	33,000	27,000	24,000	9,000	9,000	15,000	7,000	14,000	13,000	8,000	10,000
Female	30,000	22,000	17,000	9,000	13,000	21,000	10,000	18,000	11,000	7,000	10,000
S&E fields	26,000	20,000	18,000	7,000	8,000	12,000	8,000	10,000	10,000	6,000	8,000
Male	20,000	16,000	15,000	5,000	4,000	8,000	5,000	6,000	8,000	5,000	6,000
Female	15,000	11,000	8,000	5,000	6,000	10,000	5,000	8,000	6,000	4,000	5,000
Sciences	22,000	17,000	15,000	6,000	7,000	12,000	7,000	10,000	10,000	6,000	7,000
Male	16,000	13,000	12,000	5,000	4,000	7,000	5,000	6,000	7,000	5,000	5,000
Female	15,000	11,000	8,000	5,000	6,000	10,000	5,000	8,000	6,000	4,000	5,000
Biological/agricultural/environmental life sciences	8,000	7,000	5,000	3,000	3,000	4,000	3,000	3,000	4,000	2,000	3,000
Male	6,000	5,000	4,000	2,000	1,000	3,000	2,000	2,000	3,000	2,000	2,000
Female	6,000	5,000	3,000	1,000	3,000	3,000	2,000	2,000	2,000	1,000	2,000
Agricultural/food sciences	3,000	2,000	2,000	1,000	1,000	2,000	2,000	1,000	1,000	1,000	1,000
Male	2,000	2,000	1,000	S	S	2,000	1,000	500	1,000	1,000	S
Female	2,000	2,000	1,000	S	1,000	1,000	1,000	500	1,000	500	S
Biological sciences	7,000	6,000	5,000	2,000	3,000	4,000	2,000	3,000	3,000	1,000	3,000
Male	5,000	4,000	3,000	2,000	1,000	2,000	2,000	2,000	2,000	1,000	2,000
Female	5,000	4,000	3,000	1,000	2,000	3,000	2,000	2,000	2,000	1,000	2,000
Environmental life sciences	4,000	3,000	2,000	1,000	2,000	1,000	1,000	1,000	2,000	2,000	1,000
Male	3,000	2,000	2,000	S	1,000	1,000	1,000	S	2,000	1,000	1,000
Female	2,000	2,000	1,000	S	1,000	1,000	500	1,000	1,000	1,000	*
Computer/mathematical sciences	10,000	9,000	9,000	3,000	2,000	4,000	3,000	3,000	3,000	2,000	2,000
Male	9,000	8,000	8,000	2,000	2,000	3,000	2,000	2,000	3,000	2,000	2,000
Female	6,000	5,000	4,000	2,000	1,000	3,000	2,000	2,000	2,000	1,000	1,000
Computer/information sciences	9,000	8,000	8,000	2,000	2,000	3,000	2,000	2,000	2,000	2,000	2,000
Male	8,000	7,000	7,000	2,000	2,000	2,000	2,000	1,000	2,000	2,000	1,000
Female	5,000	4,000	4,000	2,000	1,000	3,000	2,000	2,000	1,000	1,000	1,000
Mathematical sciences	5,000	4,000	4,000	1,000	1,000	3,000	2,000	2,000	2,000	1,000	1,000
Male	4,000	3,000	3,000	500	1,000	2,000	1,000	1,000	1,000	1,000	1,000
Female	3,000	2,000	2,000	1,000	1,000	2,000	1,000	1,000	1,000	1,000	500
Physical/related sciences	6,000	5,000	4,000	2,000	1,000	3,000	2,000	3,000	2,000	1,000	1,000
Male	5,000	4,000	4,000	2,000	500	3,000	1,000	3,000	2,000	1,000	1,000
Female	3,000	2,000	2,000	1,000	1,000	2,000	1,000	1,000	1,000	500	1,000
Chemistry, except biochemistry	3,000	3,000	3,000	1,000	500	2,000	1,000	2,000	1,000	500	1,000

TABLE A-12. Standard errors for employed U.S. scientists and engineers, by level and field of highest degree, sex, and employment sector: 2006

Level and field of highest degree and sex	Employed scientists and engineers	Business/industry				Educational institution			Government		
		Total	Profit	Self-employed	Nonprofit	Total	4-year college/university	Other	Total	Federal	State/local
Male	3,000	2,000	2,000	S	S	2,000	500	2,000	1,000	500	1,000
Female	2,000	1,000	1,000	S	S	1,000	1,000	1,000	500	S	500
Earth/atmospheric/ocean sciences	4,000	3,000	3,000	2,000	1,000	2,000	1,000	2,000	2,000	1,000	1,000
Male	3,000	3,000	2,000	1,000	S	2,000	1,000	2,000	2,000	1,000	1,000
Female	2,000	2,000	1,000	S	S	1,000	500	1,000	1,000	500	1,000
Physics/astronomy	3,000	2,000	2,000	S	500	2,000	1,000	1,000	500	500	S
Male	3,000	2,000	2,000	S	S	2,000	1,000	1,000	500	500	S
Female	1,000	1,000	1,000	S	*	1,000	500	500	*	S	S
Other physical sciences	1,000	1,000	1,000	S	S	1,000	*	1,000	S	S	S
Male	1,000	1,000	S	S	S	S	S	S	S	S	S
Female	1,000	1,000	S	S	S	1,000	S	1,000	S	S	S
Social/related sciences	17,000	13,000	10,000	5,000	6,000	9,000	5,000	8,000	8,000	5,000	6,000
Male	11,000	9,000	8,000	4,000	3,000	5,000	3,000	4,000	6,000	4,000	4,000
Female	13,000	9,000	6,000	4,000	5,000	8,000	4,000	7,000	5,000	3,000	4,000
Economics	6,000	6,000	5,000	2,000	1,000	2,000	1,000	2,000	1,000	1,000	1,000
Male	5,000	4,000	4,000	2,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000
Female	4,000	3,000	3,000	S	1,000	1,000	500	S	1,000	500	1,000
Political/related sciences	8,000	6,000	5,000	2,000	2,000	2,000	2,000	2,000	4,000	3,000	3,000
Male	6,000	4,000	4,000	1,000	1,000	2,000	1,000	2,000	4,000	3,000	2,000
Female	5,000	4,000	3,000	2,000	2,000	1,000	1,000	1,000	2,000	1,000	2,000
Psychology	13,000	8,000	6,000	4,000	5,000	8,000	4,000	7,000	5,000	3,000	5,000
Male	7,000	5,000	4,000	2,000	3,000	3,000	2,000	3,000	3,000	2,000	3,000
Female	10,000	7,000	4,000	4,000	4,000	7,000	3,000	6,000	4,000	2,000	3,000
Sociology/anthropology	5,000	3,000	2,000	2,000	2,000	3,000	2,000	2,000	2,000	1,000	2,000
Male	3,000	2,000	2,000	1,000	1,000	2,000	1,000	1,000	2,000	1,000	2,000
Female	3,000	2,000	2,000	1,000	2,000	2,000	1,000	1,000	1,000	1,000	1,000
Other social sciences	5,000	3,000	3,000	1,000	2,000	4,000	2,000	3,000	3,000	2,000	2,000
Male	4,000	3,000	2,000	1,000	1,000	2,000	1,000	2,000	2,000	1,000	1,000
Female	4,000	2,000	2,000	1,000	2,000	3,000	2,000	2,000	2,000	1,000	1,000
Engineering	12,000	10,000	10,000	2,000	2,000	3,000	2,000	2,000	4,000	2,000	3,000
Male	11,000	10,000	10,000	2,000	2,000	2,000	2,000	1,000	4,000	2,000	3,000
Female	4,000	3,000	3,000	1,000	1,000	2,000	1,000	1,000	2,000	1,000	1,000
Aerospace/related engineering	2,000	2,000	2,000	S	S	500	500	S	1,000	1,000	S
Male	2,000	2,000	1,000	S	S	500	500	S	1,000	1,000	S
Female	500	500	500	S	S	*	*	S	*	*	S

TABLE A-12. Standard errors for employed U.S. scientists and engineers, by level and field of highest degree, sex, and employment sector: 2006

Level and field of highest degree and sex	Employed scientists and engineers	Business/industry				Educational institution			Government		
		Total	Profit	Self-employed	Nonprofit	Total	4-year college/university	Other	Total	Federal	State/local
Chemical engineering	2,000	2,000	2,000	S	1,000	1,000	500	1,000	1,000	500	1,000
Male	2,000	2,000	2,000	S	S	500	500	S	500	S	S
Female	1,000	1,000	1,000	S	S	1,000	*	S	1,000	S	1,000
Civil/architectural engineering	5,000	4,000	4,000	2,000	1,000	1,000	1,000	1,000	2,000	1,000	2,000
Male	4,000	4,000	3,000	1,000	1,000	1,000	500	500	2,000	500	2,000
Female	2,000	1,000	1,000	S	S	1,000	500	S	1,000	500	1,000
Electrical/computer engineering	7,000	7,000	6,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000
Male	7,000	6,000	6,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000
Female	2,000	2,000	2,000	S	500	1,000	1,000	S	500	500	S
Industrial engineering	3,000	2,000	2,000	1,000	500	1,000	1,000	S	1,000	1,000	1,000
Male	2,000	2,000	2,000	500	S	1,000	1,000	S	1,000	500	S
Female	1,000	1,000	1,000	S	S	*	*	S	1,000	1,000	S
Mechanical engineering	4,000	4,000	4,000	500	1,000	1,000	1,000	500	1,000	1,000	1,000
Male	4,000	4,000	4,000	500	1,000	1,000	1,000	S	1,000	1,000	1,000
Female	1,000	1,000	1,000	S	S	500	500	S	S	S	S
Other engineering	5,000	5,000	4,000	1,000	1,000	2,000	1,000	1,000	2,000	1,000	2,000
Male	5,000	4,000	4,000	1,000	1,000	1,000	1,000	1,000	2,000	1,000	1,000
Female	2,000	1,000	1,000	S	S	1,000	1,000	S	1,000	500	1,000
S&E-related fields	19,000	17,000	13,000	6,000	9,000	12,000	6,000	11,000	8,000	4,000	7,000
Male	11,000	9,000	7,000	4,000	4,000	6,000	3,000	6,000	5,000	2,000	4,000
Female	16,000	13,000	11,000	5,000	8,000	11,000	5,000	9,000	6,000	4,000	5,000
Health	16,000	14,000	11,000	5,000	9,000	9,000	6,000	7,000	6,000	4,000	5,000
Male	7,000	7,000	5,000	2,000	4,000	3,000	2,000	2,000	3,000	1,000	3,000
Female	14,000	12,000	10,000	4,000	8,000	8,000	5,000	7,000	5,000	4,000	4,000
Science/mathematics teacher education	9,000	4,000	3,000	3,000	1,000	8,000	2,000	8,000	3,000	S	2,000
Male	6,000	3,000	2,000	2,000	S	5,000	1,000	5,000	2,000	S	1,000
Female	7,000	3,000	3,000	S	S	6,000	1,000	6,000	2,000	S	2,000
Technology/technical fields	4,000	4,000	4,000	S	S	2,000	1,000	2,000	2,000	1,000	500
Male	4,000	4,000	3,000	S	S	2,000	500	2,000	1,000	S	500
Female	2,000	1,000	1,000	S	S	1,000	S	S	S	S	S
Other S&E-related fields	6,000	5,000	5,000	3,000	1,000	2,000	1,000	S	3,000	1,000	3,000
Male	5,000	4,000	4,000	3,000	S	1,000	1,000	S	3,000	S	3,000
Female	3,000	3,000	2,000	S	1,000	2,000	1,000	S	2,000	S	2,000
Non-S&E fields	36,000	28,000	23,000	9,000	12,000	21,000	8,000	20,000	12,000	7,000	9,000
Male	27,000	20,000	18,000	7,000	7,000	13,000	6,000	12,000	9,000	6,000	7,000

TABLE A-12. Standard errors for employed U.S. scientists and engineers, by level and field of highest degree, sex, and employment sector: 2006

Level and field of highest degree and sex	Employed scientists and engineers	Business/industry				Educational institution			Government		
		Total	Profit	Self-employed	Nonprofit	Total	4-year college/university	Other	Total	Federal	State/local
Female	24,000	17,000	13,000	6,000	9,000	16,000	6,000	14,000	8,000	3,000	7,000
Arts/humanities	8,000	6,000	4,000	3,000	2,000	4,000	2,000	4,000	2,000	1,000	2,000
Male	5,000	4,000	3,000	1,000	2,000	3,000	1,000	3,000	1,000	S	S
Female	6,000	4,000	3,000	3,000	S	3,000	1,000	2,000	2,000	S	2,000
Education, except science/mathematics teacher education	22,000	9,000	6,000	5,000	5,000	20,000	5,000	18,000	4,000	2,000	4,000
Male	14,000	6,000	5,000	3,000	2,000	12,000	3,000	11,000	3,000	2,000	3,000
Female	17,000	7,000	5,000	3,000	4,000	15,000	4,000	14,000	3,000	1,000	3,000
Management/administration	22,000	20,000	20,000	6,000	5,000	6,000	4,000	4,000	8,000	5,000	5,000
Male	18,000	16,000	16,000	5,000	4,000	5,000	3,000	3,000	6,000	4,000	5,000
Female	12,000	11,000	9,000	3,000	4,000	3,000	3,000	3,000	4,000	3,000	3,000
Sales/marketing	7,000	7,000	6,000	2,000	2,000	2,000	2,000	1,000	2,000	S	2,000
Male	6,000	6,000	6,000	1,000	S	2,000	S	1,000	2,000	S	S
Female	4,000	3,000	3,000	S	S	S	S	S	S	S	S
Social services/related	12,000	10,000	6,000	3,000	8,000	6,000	3,000	4,000	5,000	2,000	5,000
Male	8,000	6,000	4,000	2,000	4,000	3,000	2,000	3,000	3,000	2,000	2,000
Female	9,000	7,000	4,000	3,000	6,000	5,000	2,000	4,000	4,000	1,000	4,000
Other non-S&E fields	11,000	8,000	7,000	3,000	4,000	5,000	4,000	4,000	7,000	4,000	6,000
Male	9,000	6,000	5,000	3,000	2,000	4,000	3,000	2,000	6,000	4,000	5,000
Female	9,000	6,000	5,000	2,000	3,000	4,000	3,000	3,000	5,000	2,000	4,000
Doctorate degrees	9,000	6,000	5,000	2,000	3,000	7,000	6,000	4,000	3,000	2,000	2,000
Male	7,000	5,000	4,000	2,000	2,000	5,000	4,000	3,000	2,000	2,000	2,000
Female	5,000	3,000	3,000	2,000	1,000	4,000	3,000	3,000	1,000	1,000	1,000
S&E fields	5,000	4,000	3,000	1,000	1,000	4,000	3,000	1,000	2,000	1,000	1,000
Male	4,000	3,000	3,000	1,000	1,000	3,000	3,000	1,000	1,000	1,000	1,000
Female	2,000	2,000	1,000	1,000	1,000	2,000	2,000	1,000	1,000	1,000	500
Sciences	4,000	3,000	3,000	1,000	1,000	3,000	3,000	1,000	1,000	1,000	1,000
Male	3,000	3,000	3,000	1,000	1,000	3,000	2,000	1,000	1,000	1,000	1,000
Female	2,000	2,000	1,000	1,000	1,000	2,000	2,000	1,000	1,000	1,000	500
Biological/agricultural/environmental life sciences	3,000	2,000	2,000	1,000	1,000	2,000	2,000	500	1,000	1,000	500
Male	2,000	2,000	2,000	1,000	500	2,000	2,000	500	1,000	1,000	500
Female	1,000	1,000	1,000	500	1,000	1,000	1,000	500	1,000	500	500
Agricultural/food sciences	1,000	1,000	500	500	500	1,000	500	500	500	500	*
Male	1,000	1,000	500	500	500	500	500	500	500	500	*
Female	500	500	500	*	S	500	500	*	*	*	S
Biological sciences	3,000	2,000	2,000	1,000	1,000	2,000	2,000	500	1,000	1,000	500

TABLE A-12. Standard errors for employed U.S. scientists and engineers, by level and field of highest degree, sex, and employment sector: 2006

Level and field of highest degree and sex	Employed scientists and engineers	Business/industry				Educational institution			Government		
		Total	Profit	Self-employed	Nonprofit	Total	4-year college/university	Other	Total	Federal	State/local
Male	2,000	2,000	1,000	1,000	500	2,000	2,000	500	1,000	1,000	500
Female	1,000	1,000	1,000	500	1,000	1,000	1,000	500	500	500	500
Environmental life sciences	500	500	500	*	*	500	500	*	500	500	*
Male	500	500	500	*	*	500	500	S	500	500	*
Female	500	*	*	S	*	500	500	S	*	*	S
Computer/mathematical sciences	2,000	1,000	1,000	500	500	1,000	1,000	500	500	500	500
Male	1,000	1,000	1,000	500	500	1,000	1,000	500	500	500	500
Female	1,000	500	500	*	*	1,000	1,000	*	*	*	S
Computer/information sciences	1,000	1,000	1,000	*	*	1,000	1,000	*	500	*	*
Male	1,000	1,000	1,000	*	*	1,000	1,000	*	*	*	*
Female	500	500	500	S	*	500	500	S	*	S	S
Mathematical sciences	1,000	1,000	1,000	500	500	1,000	1,000	500	500	500	*
Male	1,000	1,000	1,000	500	500	1,000	1,000	500	500	500	*
Female	500	500	500	*	*	500	500	*	*	*	S
Physical/related sciences	2,000	2,000	2,000	1,000	500	1,000	1,000	500	1,000	1,000	500
Male	2,000	1,000	1,000	1,000	500	1,000	1,000	500	1,000	500	500
Female	1,000	1,000	1,000	500	500	1,000	1,000	500	500	500	500
Chemistry, except biochemistry	1,000	1,000	1,000	500	500	1,000	1,000	500	500	500	500
Male	1,000	1,000	1,000	500	500	1,000	1,000	500	500	500	500
Female	1,000	500	500	*	500	1,000	1,000	500	500	500	*
Earth/atmospheric/ocean sciences	1,000	500	500	500	500	500	500	500	500	500	500
Male	1,000	500	500	500	500	500	500	*	500	500	500
Female	500	500	500	S	*	500	500	*	*	*	*
Physics/astronomy	1,000	1,000	1,000	500	500	1,000	1,000	500	500	500	500
Male	1,000	1,000	1,000	500	500	1,000	1,000	500	500	500	500
Female	500	500	500	S	*	500	500	*	*	*	*
Other physical sciences	500	500	500	S	*	500	500	S	*	*	S
Male	500	500	500	S	S	*	*	S	*	*	S
Female	500	*	S	S	S	500	*	S	*	S	S
Social/related sciences	2,000	1,000	1,000	1,000	1,000	2,000	1,000	1,000	1,000	500	500
Male	1,000	1,000	1,000	1,000	1,000	1,000	1,000	500	1,000	500	500
Female	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	500	500	500
Economics	1,000	1,000	500	500	500	500	500	500	500	500	*
Male	500	500	500	500	500	500	500	*	500	500	*
Female	500	500	500	*	*	500	500	*	500	500	*

TABLE A-12. Standard errors for employed U.S. scientists and engineers, by level and field of highest degree, sex, and employment sector: 2006

Level and field of highest degree and sex	Employed scientists and engineers	Business/industry				Educational institution			Government		
		Total	Profit	Self-employed	Nonprofit	Total	4-year college/university	Other	Total	Federal	State/local
Political/related sciences	1,000	1,000	500	500	500	500	500	500	500	500	500
Male	1,000	1,000	500	500	500	500	500	500	500	500	500
Female	500	500	*	*	*	500	500	*	*	*	*
Psychology	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	500	500	500
Male	1,000	1,000	1,000	1,000	500	1,000	1,000	500	500	500	500
Female	1,000	1,000	1,000	500	1,000	1,000	1,000	1,000	500	500	500
Sociology/anthropology	1,000	500	500	500	500	1,000	1,000	500	500	500	500
Male	500	500	500	500	500	500	500	500	500	500	500
Female	500	500	500	500	500	500	500	500	500	500	*
Other social sciences	1,000	500	500	500	500	500	500	500	500	500	500
Male	500	500	500	500	*	500	500	*	500	*	*
Female	500	500	500	*	*	500	500	500	500	*	*
Engineering	2,000	2,000	2,000	1,000	1,000	1,000	1,000	500	1,000	500	500
Male	2,000	2,000	1,000	1,000	1,000	1,000	1,000	500	1,000	500	500
Female	500	500	500	*	500	500	500	*	500	500	500
Aerospace/related engineering	1,000	500	500	500	*	500	500	S	500	500	S
Male	1,000	500	500	500	*	500	500	S	500	500	S
Female	*	*	S	S	S	*	*	S	S	S	S
Chemical engineering	1,000	1,000	1,000	500	500	500	500	*	500	500	*
Male	1,000	1,000	1,000	500	500	500	500	*	500	*	*
Female	500	500	500	S	S	*	*	S	*	S	S
Civil/architectural engineering	1,000	500	500	*	*	500	500	S	500	500	500
Male	1,000	500	500	*	*	500	500	S	500	500	500
Female	500	*	*	S	S	*	*	S	*	S	*
Electrical/computer engineering	1,000	1,000	1,000	500	500	1,000	1,000	*	500	500	*
Male	1,000	1,000	1,000	500	500	1,000	1,000	*	500	500	*
Female	500	500	500	S	*	500	500	S	*	S	S
Industrial engineering	500	500	500	S	S	500	500	S	*	*	S
Male	500	500	500	S	S	500	500	S	S	S	S
Female	500	S	S	S	S	*	*	S	S	S	S
Mechanical engineering	1,000	1,000	1,000	500	*	500	500	*	500	500	*
Male	1,000	1,000	1,000	500	*	500	500	*	500	500	S
Female	500	*	*	S	S	*	*	S	S	S	S
Other engineering	1,000	1,000	1,000	500	500	1,000	1,000	*	500	500	500
Male	1,000	1,000	1,000	500	500	500	500	*	500	500	500

TABLE A-12. Standard errors for employed U.S. scientists and engineers, by level and field of highest degree, sex, and employment sector: 2006

Level and field of highest degree and sex	Employed scientists and engineers	Business/industry				Educational institution			Government		
		Total	Profit	Self-employed	Nonprofit	Total	4-year college/university	Other	Total	Federal	State/local
Female	500	500	500	S	*	500	500	S	500	*	*
S&E-related fields	3,000	2,000	2,000	500	1,000	2,000	2,000	1,000	1,000	500	500
Male	2,000	2,000	2,000	500	1,000	1,000	1,000	1,000	1,000	500	500
Female	2,000	1,000	1,000	500	1,000	1,000	1,000	1,000	500	500	500
Health	2,000	2,000	1,000	500	1,000	1,000	1,000	500	1,000	500	500
Male	1,000	1,000	1,000	500	500	1,000	1,000	500	1,000	500	500
Female	2,000	1,000	1,000	500	1,000	1,000	1,000	500	500	500	500
Science/mathematics teacher education	1,000	S	S	S	S	1,000	1,000	1,000	S	S	S
Male	1,000	S	S	S	S	1,000	1,000	S	S	S	S
Female	1,000	S	S	S	S	1,000	1,000	S	S	S	S
Technology/technical fields	1,000	1,000	1,000	S	S	1,000	1,000	S	S	S	S
Male	1,000	1,000	1,000	S	S	500	500	S	S	S	S
Female	S	S	S	S	S	S	S	S	S	S	S
Other S&E-related fields	1,000	S	S	S	S	1,000	1,000	S	S	S	S
Male	1,000	S	S	S	S	S	S	S	S	S	S
Female	500	S	S	S	S	500	S	S	S	S	S
Non-S&E fields	7,000	5,000	3,000	2,000	2,000	5,000	4,000	4,000	2,000	1,000	2,000
Male	6,000	4,000	3,000	1,000	2,000	4,000	3,000	3,000	2,000	1,000	1,000
Female	4,000	3,000	2,000	2,000	1,000	3,000	2,000	3,000	1,000	S	S
Arts/humanities	3,000	1,000	S	S	S	2,000	2,000	500	S	S	S
Male	2,000	1,000	S	S	S	2,000	2,000	S	S	S	S
Female	2,000	S	S	S	S	1,000	1,000	S	S	S	S
Education, except science/mathematics teacher education	5,000	2,000	1,000	1,000	1,000	4,000	3,000	3,000	1,000	S	S
Male	4,000	2,000	S	S	1,000	3,000	2,000	2,000	S	S	S
Female	3,000	1,000	1,000	1,000	S	3,000	2,000	2,000	S	S	S
Management/administration	2,000	2,000	1,000	S	S	1,000	1,000	S	S	S	S
Male	2,000	1,000	1,000	S	S	1,000	1,000	S	S	S	S
Female	1,000	S	S	S	S	1,000	1,000	S	S	S	S
Sales/marketing	500	S	S	S	S	500	500	S	S	S	S
Male	500	S	S	S	S	500	500	S	S	S	S
Female	S	S	S	S	S	S	S	S	S	S	S
Social services/related	3,000	2,000	1,000	S	2,000	2,000	1,000	2,000	S	S	S
Male	3,000	2,000	1,000	S	2,000	2,000	1,000	2,000	S	S	S
Female	1,000	1,000	S	S	S	1,000	500	S	S	S	S

TABLE A-12. Standard errors for employed U.S. scientists and engineers, by level and field of highest degree, sex, and employment sector: 2006

Level and field of highest degree and sex	Employed scientists and engineers	Business/industry				Educational institution			Government		
		Total	Profit	Self- employed	Nonprofit	Total	4-year college/ university	Other	Total	Federal	State/ local
Other non-S&E fields	3,000	3,000	2,000	S	S	1,000	1,000	S	1,000	S	S
Male	3,000	2,000	2,000	S	S	1,000	1,000	S	S	S	S
Female	2,000	2,000	2,000	S	S	1,000	1,000	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/ed03maj.html> for a detailed description of the educational field classification. 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. 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.