TABLE 15. Employed doctoral scientists and engineers, by sector of employment, broad field of doctorate, and race/ethnicity: 2003

Employment sector and field	Total	American Indian/ Alaska Native	Asian	Black	Hispanic	White	Other/ unknown race/ ethnicity [a]
	Number						
All sectors	593,300	3,950	98,170	17,480	15,650	457,040	1,010
Science	468,570	3,400	61,890	13,930	12,970	375,590	800
Biological, agricultural, and environmental life sciences	145,760	1,010	22,560	3,550	3,820	114,550	270
Computer and information sciences	11,960	S	3,900	370	250	7,400	S
Mathematics and statistics	28,330	160	5,750	600	660	21,110	S
Physical sciences	112,670	560	20,230	1,740	2,450	87,460	240
Psychology	91,410	860	2,500	3,760	3,260	80,890	140
Social sciences	78,450	770	6,960	3,910	2,530	64,180	110
Engineering	101,500	360	33,520	2,380	2,050	63,000	190
Health	23,230	200	2,750	1,180	620	18,450	S
Universities and 4-year colleges	259,380	1,790	34,210	9,640	8,510	204,840	390
Science	217,940	1,530	26,680	7,800	7,160	174,460	310
Biological, agricultural, and environmental life sciences	76,040	470	11,780	1,990	2,420	59,280	100
Computer and information sciences	5,280	S	1,490	200	140	3,450	S
Mathematics and statistics	16,630	110	2,650	410	460	12,990	S
Physical sciences	39,320	220	5,490	770	1,100	31,690	50
Psychology	31,680	280	1,040	1,780	1,370	27,120	80
Social sciences	48,980	450	4,210	2,650	1,670	39,930	60
Engineering	28,170	130	6,260	1,100	930	19,680	80
Health	13,280	130	1,280	750	420	10,700	S
Other educational institutions	20,170	130	1,600	1,140	680	16,600	S
Science	18,460	130	1,360	1,110	620	15,230	S
Biological, agricultural, and environmental life sciences	4,720	S	420	220	60	3,980	S
Computer and information sciences	190	S	50	S	S	110	S
Mathematics and statistics	700	S	260	S	S	430	S
Physical sciences	3,880	S	270	170	110	3,290	S
Psychology	6,270	S	210	470	300	5,260	S
Social sciences	2,700	50	150	210	130	2,160	S
Engineering	1,140	S	220	S	S	890	S
Health	570	S	S	S	S	490	S
Private-for-profit	187,570	950	49,700	3,270	3,570	129,810	270
Science	126,220	750	24,800	2,150	2,590	95,740	180
Biological, agricultural, and environmental life sciences	37,630	210	6,720	740	890	29,000	70
Computer and information sciences	5,540	S	2,230	90	100	3,090	S
Mathematics and statistics	7,570	50	2,220	80	130	5,090	S
Physical sciences	49,290	200	11,970	560	760	35,740	60
Psychology	16,400	120	450	450	520	14,840	S
Social sciences	9,790	130	1,220	240	190	7,990	S
Engineering	56,780	170	23,940	930	900	30,770	80
Health	4,570	S	950	190	80	3,300	S
Private not-for-profit	29,650	230	3,540	870	600	24,330	80
Science	25,180	200	2,540	710	530	21,110	80
Biological, agricultural, and environmental life sciences	7,210	50	1,210	130	70	5,720	S
Computer and information sciences	260	S	S	S	S	180	S
Mathematics and statistics	780	S	S	S	S	730	S
Physical sciences	4,020	S	500	S	S	3,400	S
Psychology	8,540	60	360	290	260	7,550	S
Social sciences	4,370	60	390	240	150	3,530	S

TABLE 15. Employed doctoral scientists and engineers, by sector of employment, broad field of doctorate, and race/ethnicity: 2003

Employment sector and field	Total	American Indian/ Alaska Native	Asian	Black	Hispanic	White	Other/ unknown race/ ethnicity [a]
Engineering	2,880	S	780	S	50	2,000	S
Health	1,590	S	210	110	S	1,210	S
Federal government	41,090	320	4,900	1,300	900	33,570	110
Science	32,550	270	3,470	1,080	760	26,860	110
Biological, agricultural, and environmental life sciences	12,830	140	1,630	310	230	10,470	S
Computer and information sciences	310	S	S	S	S	260	S
Mathematics and statistics	1,420	S	280	70	S	1,050	S
Physical sciences	9,470	S	1,130	170	260	7,820	50
Psychology	3,280	90	60	190	120	2,820	S
Social sciences	5,240	S	350	300	130	4,450	S
Engineering	7,020	S	1,250	170	90	5,460	S
Health	1,520	S	170	60	S	1,250	S
State and local government	15,970	140	1,870	680	420	12,770	90
Science	13,970	140	1,300	620	390	11,440	90
Biological, agricultural, and environmental life sciences	2,950	S	310	90	S	2,450	S
Computer and information sciences	90	S	S	S	S	50	S
Mathematics and statistics	350	S	150	S	S	130	S
Physical sciences	2,320	S	310	S	90	1,860	S
Psychology	5,340	S	220	310	190	4,590	S
Social sciences	2,920	60	270	160	70	2,350	S
Engineering	1,500	S	500	S	S	940	S
Health	490	S	70	S	S	390	S
Self-employed	36,130	380	1,750	530	820	32,600	S
Science	31,460	360	1,260	420	770	28,650	S
Biological, agricultural, and environmental life sciences	4,100	70	440	S	100	3,460	S
Computer and information sciences	280	S	S	S	S	250	S
Mathematics and statistics	800	S	90	S	S	680	S
Physical sciences	3,700	S	440	S	90	3,130	S
Psychology	19,580	260	150	280	490	18,390	S
Social sciences	3,000	S	110	90	60	2,730	S
Engineering	3,570	S	450	60	S	2,970	S
Health	1,100	S	S	S	S	980	S
Other sector	3,340	S	600	60	150	2,520	S
Science	2,780	S	480	S	140	2,100	S
Biological, agricultural, and environmental life sciences	290	S	S	S	S	190	S
Computer and information sciences	S	S	S	S	S	S	S
Mathematics and statistics	60	S	60	S	S	S	S
Physical sciences	660	S	120	S	S	540	S
Psychology	320	S	S	S	S	310	S
Social sciences	1,450	S	260	S	120	1,060	S
Engineering	430	S	110	S	S	290	S
Health	130	S	S	S	S	130	S
				Percent			
All sectors	100.0	0.7	16.5	2.9	2.6	77.0	0.2
Science	100.0	0.7	13.2	3.0	2.8	80.2	0.2
Biological, agricultural, and environmental life sciences	100.0	0.7	15.5	2.4	2.6	78.6	0.2
Computer and information sciences	100.0	S	32.6	3.1	2.1	61.9	S
Mathematics and statistics	100.0	0.6	20.3	2.1	2.3	74.5	S

TABLE 15. Employed doctoral scientists and engineers, by sector of employment, broad field of doctorate, and race/ethnicity: 2003

Employment sector and field	Total	American Indian/ Alaska Native	Asian	Black	Hispanic	White	Other/ unknown race/ ethnicity [a]
Physical sciences	100.0	0.5	18.0	1.5	2.2	77.6	0.2
Psychology	100.0	0.9	2.7	4.1	3.6	88.5	0.1
Social sciences	100.0	1.0	8.9	5.0	3.2	81.8	0.1
Engineering	100.0	0.4	33.0	2.3	2.0	62.1	0.2
Health	100.0	0.8	11.8	5.1	2.7	79.4	S
Universities and 4-year colleges	100.0	0.7	13.2	3.7	3.3	79.0	0.2
Science	100.0	0.7	12.2	3.6	3.3	80.1	0.1
Biological, agricultural, and environmental life sciences	100.0	0.6	15.5	2.6	3.2	78.0	0.1
Computer and information sciences	100.0	S	28.3	3.7	2.7	65.4	S
Mathematics and statistics	100.0	0.6	15.9	2.5	2.7	78.1	S
Physical sciences	100.0	0.6	14.0	2.0	2.8	80.6	0.1
Psychology	100.0	0.9	3.3	5.6	4.3	85.6	0.3
Social sciences	100.0	0.9	8.6	5.4	3.4	81.5	0.1
Engineering	100.0	0.4	22.2	3.9	3.3	69.9	0.3
Health	100.0	1.0	9.6	5.6	3.1	80.6	S
Other educational institutions	100.0	0.7	7.9	5.6	3.4	82.3	S
Science	100.0	0.7	7.3	6.0	3.4	82.5	S
Biological, agricultural, and environmental life sciences	100.0	S	8.9	4.7	1.4	84.4	S
Computer and information sciences	100.0	S	26.5	S	S	54.8	S
Mathematics and statistics	100.0	S	36.8	S	S	61.3	S
Physical sciences	100.0	S	6.9	4.4	2.9	84.8	S
Psychology	100.0	S	3.3	7.5	4.8	83.9	S
Social sciences	100.0	2.0	5.6	7.7	4.8	79.9	S
Engineering	100.0	S	18.9	S	S	78.0	S
Health	100.0	S	S	S	S	85.7	S
Private-for-profit	100.0	0.5	26.5	1.7	1.9	69.2	0.1
Science	100.0	0.6	19.7	1.7	2.1	75.9	0.1
Biological, agricultural, and environmental life sciences	100.0	0.6	17.9	2.0	2.4	77.1	0.2
Computer and information sciences	100.0	S	40.2	1.6	1.8	55.8	S
Mathematics and statistics	100.0	0.7	29.4	1.0	1.8	67.2	S
Physical sciences	100.0	0.4	24.3	1.1	1.6	72.5	0.1
Psychology	100.0	0.8	2.7	2.7	3.2	90.5	S
Social sciences	100.0	1.3	12.4	2.4	1.9	81.6	S
Engineering	100.0	0.3	42.2	1.6	1.6	54.2	0.1
Health	100.0	S	20.8	4.2	1.7	72.4	S
Private not-for-profit	100.0	0.8	11.9	2.9	2.0	82.1	0.3
Science	100.0	0.8	10.1	2.8	2.1	83.8	0.3
Biological, agricultural, and environmental life sciences	100.0	0.7	16.8	1.8	0.9	79.3	S
Computer and information sciences	100.0	S	S	S	S	70.9	S
Mathematics and statistics	100.0	S	S	S	S	93.6	S
Physical sciences	100.0	S	12.4	S	S	84.6	S
Psychology	100.0	0.7	4.2	3.4	3.1	88.5	S
Social sciences	100.0	1.3	8.9	5.6	3.5	80.7	S
Engineering	100.0	S	27.2	S	1.8	69.4	S
Health	100.0	S	13.6	6.9	S	76.5	S
Federal government	100.0	0.8	11.9	3.2	2.2	81.7	0.3
Science	100.0	0.8	10.7	3.3	2.3	82.5	0.3
Biological, agricultural, and environmental life sciences	100.0	1.1	12.7	2.4	1.8	81.6	S

TABLE 15. Employed doctoral scientists and engineers, by sector of employment, broad field of doctorate, and race/ethnicity: 2003

Employment sector and field	Total	American Indian/ Alaska Native	Asian	Black	Hispanic	White	Other/ unknown race/ ethnicity [a]
Computer and information sciences	100.0	S	S	S	S	82.6	S
Mathematics and statistics	100.0	S	19.9	4.8	S	73.9	S
Physical sciences	100.0	S	12.0	1.8	2.7	82.5	0.6
Psychology	100.0	2.7	1.8	5.7	3.7	86.0	S
Social sciences	100.0	S	6.6	5.8	2.5	84.9	S
Engineering	100.0	S	17.9	2.4	1.3	77.8	S
Health	100.0	S	11.0	3.7	S	82.4	S
State and local government	100.0	0.9	11.7	4.2	2.6	79.9	0.6
Science	100.0	1.0	9.3	4.4	2.8	81.8	0.6
Biological, agricultural, and environmental life sciences	100.0	S	10.6	3.1	S	83.0	S
Computer and information sciences	100.0	S	S	S	S	59.5	S
Mathematics and statistics	100.0	S	43.9	S	S	38.7	S
Physical sciences	100.0	S	13.2	S	3.7	79.9	S
Psychology	100.0	S	4.1	5.8	3.5	85.9	S
Social sciences	100.0	2.2	9.3	5.5	2.5	80.6	S
Engineering	100.0	S	33.4	S	S	62.4	S
Health	100.0	S	14.5	S	S	79.6	S
Self-employed	100.0	1.1	4.8	1.5	2.3	90.2	S
Science	100.0	1.1	4.0	1.3	2.4	91.1	S
Biological, agricultural, and environmental life sciences	100.0	1.7	10.7	S	2.4	84.5	S
Computer and information sciences	100.0	S	S	S	S	90.7	S
Mathematics and statistics	100.0	S	11.2	S	S	85.1	S
Physical sciences	100.0	S	11.9	S	2.4	84.5	S
Psychology	100.0	1.3	0.8	1.4	2.5	93.9	S
Social sciences	100.0	S	3.7	3.1	1.9	91.0	S
Engineering	100.0	S	12.5	1.8	S	83.2	S
Health	100.0	S	S	S	S	89.4	S
Other sector	100.0	S	17.9	1.9	4.5	75.4	S
Science	100.0	S	17.4	S	5.2	75.5	S
Biological, agricultural, and environmental life sciences	100.0	S	S	S	S	66.8	S
Computer and information sciences	S	S	S	S	S	S	S
Mathematics and statistics	100.0	S	95.6	S	S	S	S
Physical sciences	100.0	S	17.5	S	S	81.8	S
Psychology	100.0	S	S	S	S	98.1	S
Social sciences	100.0	S	17.9	S	8.4	72.7	S
Engineering	100.0	S	26.6	S	S	67.2	S
Health	100.0	S	S	S	S	100.0	S

S = suppressed due to too few cases (fewer than 50 weighted cases).

[a] Includes Native Hawaiians/other Pacific Islanders and respondents choosing multiple races (excluding those selecting an Hispanic ethnicity).

NOTES: Race/ethnicity data are for all doctorate recipients, including temporary residents. Numbers are rounded to nearest 10. Detail may not add to total because of rounding.

SOURCE: National Science Foundation/Division of Science Resources Statistics, 2003 Survey of Doctorate Recipients.