

**APPENDIX C: DETAILED STATISTICAL TABLES
(NATIONAL DATA)**

Appendix Table C-1: Doctorates Awarded to Underrepresented Minorities, by Field and Year: 1989-2000 Annual (number, U.S. citizens and permanent residents)

Field	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000
Biological Sciences, Total	139	158	172	191	207	238	259	257	257	310	314	320
Agronomy/Crop Science	5	4	3	5	5	6	5	7	4	6	4	1
Anatomy	3	3	5	3	5	6	5	2	2	1	2	4
Bacteriology/Microbiology	13	14	21	16	23	22	28	32	23	21	22	32
Biochemistry	19	25	24	35	35	34	39	28	34	43	36	33
Biometrics/Biostatistics	2	1	2	4	3	3	4	3	0	5	6	11
Biophysics	5	3	2	3	6	7	10	6	8	3	7	7
Biotechnology	0	0	0	0	1	1	2	2	1	2	3	4
Botany, Other	1	3	3	2	3	3	5	4	3	5	4	4
Cell Biology	5	7	5	4	10	18	12	10	17	24	17	17
Conserv./Renewable Nat. Resources	0	0	3	0	0	1	3	1	2	4	0	4
Developmental Biology/Embryology	0	1	3	1	1	4	3	3	6	5	8	6
Ecology	4	1	8	10	10	4	6	12	9	11	11	13
Endocrinology	0	3	2	6	2	0	1	3	3	5	1	3
Entomology	4	10	2	8	3	6	7	7	6	9	8	5
Environmental Science	3	2	2	5	10	3	7	4	4	3	6	8
Fisheries Science/Management	1	1	2	2	0	1	2	2	3	2	3	1
Forest Biology	1	0	1	0	0	0	0	0	0	1	0	0
Genetics	2	8	5	6	5	11	13	11	9	16	14	11
Horticulture	3	2	2	2	2	3	3	4	4	2	0	4
Immunology	6	8	8	6	8	12	8	14	11	11	11	13
Molecular Biology	14	12	14	24	21	22	31	23	35	41	44	38
Neuroscience	10	6	8	11	12	16	18	23	20	28	38	32
Physiology, Human/Animal	10	13	13	8	13	16	17	14	20	20	18	23
Plant Pathology	4	7	1	0	2	5	4	7	3	8	5	6
Plant Physiology	3	0	3	0	0	0	2	1	4	2	7	2
Wildlife/Range Management	1	1	3	1	1	2	1	4	3	3	1	5
Zoology, Other	5	3	7	8	8	5	3	5	6	4	9	8
Biological Sciences, Other	15	20	20	21	18	27	20	25	17	25	29	25
Social, Behavioral, & Economic Sciences, Total	264	313	356	317	344	368	414	416	415	487	495	514
Social & Economic Sciences, Subtotal	203	215	256	230	260	250	264	279	292	317	352	360
Anthropology	17	17	19	20	29	27	30	22	34	39	38	38
Criminology	6	3	5	3	5	9	13	9	11	14	9	12
Demography/Population Studies	2	1	0	2	2	0	1	0	2	3	1	2
Econometrics	2	1	2	3	1	0	0	2	0	2	3	0
Economics	33	40	47	38	38	39	42	41	48	50	51	50
Geography	3	0	6	3	5	2	12	3	8	6	8	7
History/Philosophy of Science/Tech.	1	0	0	0	5	2	1	4	4	1	1	3
International Relations/Affairs	11	10	8	9	10	14	8	12	6	14	8	7
Linguistics	10	6	13	16	16	11	9	9	14	10	18	6
Political Science/Government	26	42	32	36	31	47	41	61	43	60	67	59
Public Policy Analysis/Public Admin.	18	20	28	23	27	28	25	31	25	32	28	44
Sociology	51	52	55	44	51	44	48	47	65	56	77	90
Statistics	0	0	0	1	1	0	0	1	1	4	2	4
Urban Affairs/Studies	5	7	12	6	19	13	9	12	14	6	14	9
Social Sciences, Other	18	16	29	26	20	14	25	25	17	20	27	29
Behavioral Sciences, Subtotal	61	98	100	87	84	118	150	137	123	170	143	154
Cognitive Psych./Psycholinguistics	1	4	6	2	5	9	2	2	6	5	10	5
Comparative Psychology	0	0	1	2	0	2	1	0	1	1	3	1
Development, Human/Indiv./Family	0	0	0	0	0	9	16	15	13	12	10	15
Developmental/Child Psychology	7	17	19	16	12	21	16	28	22	30	26	21
Experimental Psychology	6	8	10	3	7	6	12	2	13	8	8	8
Physiological Psych./Psychobiology	4	3	3	4	7	9	10	10	9	9	11	9
Psychometrics	1	3	0	1	0	0	3	2	0	1	2	4
Quantitative Psychology	1	0	0	1	0	3	2	2	0	2	1	0
Social Psychology	6	9	12	11	9	17	17	14	14	16	18	22
Psychology, Other	35	54	49	47	44	42	71	62	45	86	54	69
Other Fields	1,348	1,513	1,638	1,666	1,821	1,846	2,004	2,074	2,173	2,318	2,426	2,389
Total, All Fields	1,751	1,984	2,166	2,174	2,372	2,452	2,677	2,747	2,845	3,115	3,235	3,223

Source: National Science Foundation/Science Resources Statistics, Survey of Earned Doctorates (special tabulations from Doctorate Records File).

Appendix Table C-2: Doctorates Awarded to U.S. Citizens and Permanent Residents, by Field, Race/Ethnicity, and Sex: 1989-2000, 1989, and 2000 (percent men vs. women)

	All Fields (incl. non-MPRF fields)			Biological Sciences			Social & Economic Sciences			Behavioral Sciences		
	1989-2000	1989	2000	1989-2000	1989	2000	1989-2000	1989	2000	1989-2000	1989	2000
Total, All PhDs	352,219	25,028	29,837	49,895	3,548	4,435	31,844	2,211	2,978	15,591	1,045	1,373
Men	55.1	58.1	51.1	59.3	63.4	55.4	56.7	59.4	54.2	37.3	41.5	35.8
Women	44.9	41.9	48.9	40.7	36.6	44.6	43.3	40.6	45.8	62.6	58.5	64.2
Whites	284,914	21,571	23,651	39,752	3,135	3,473	25,446	1,864	2,340	13,237	946	1,121
Men	54.9	57.6	51.9	59.8	63.2	56.1	56.3	58.9	54.8	37.7	42.3	36.9
Women	45.1	42.4	48.1	40.2	36.8	43.9	43.7	41.1	45.2	62.3	57.7	63.1
Asians/Pacific Islanders	30,112	1,268	2,315	6,518	208	549	2,408	98	191	605	28	68
Men	63.8	71.4	54.6	56.4	59.6	53.0	58.3	66.3	53.9	35.5	42.9	38.2
Women	36.2	28.6	45.4	43.6	40.4	47.0	41.6	33.7	46.1	64.5	57.1	61.8
Total Underrepresented Minorities	30,741	1,751	3,223	2,822	139	320	3,278	203	360	1,425	61	154
Men	46.5	50.1	41.1	56.7	70.5	48.4	56.6	58.1	50.3	34.3	27.9	24.7
Women	53.5	49.9	58.9	43.3	29.5	51.6	43.4	41.9	49.7	65.7	72.1	75.3
Blacks	16,378	963	1,775	1,029	56	116	1,911	126	219	651	31	70
Men	42.7	47.0	36.6	54.5	67.9	40.5	56.6	59.5	46.1	32.3	29.0	24.3
Women	57.3	53.0	63.4	45.5	32.1	59.5	43.4	40.5	53.9	67.7	71.0	75.7
Hispanics	12,551	694	1,279	1,630	77	185	1,191	68	121	691	24	76
Men	50.7	54.2	46.8	57.4	74.0	52.4	57.2	55.9	57.0	36.6	29.2	27.6
Women	49.3	45.8	53.2	42.6	26.0	47.6	42.8	44.1	43.0	63.4	70.8	72.4
American Indians/Alaska Natives	1,812	94	169	163	6	19	176	9	20	83	6	8
Men	51.1	52.1	45.0	64.4	50.0	57.9	51.7	55.6	55.0	31.3	16.7	0.0
Women	48.9	47.9	55.0	35.6	50.0	42.1	48.3	44.4	45.0	68.7	83.3	100.0

Source: National Science Foundation/Science Resources Statistics, Survey of Earned Doctorates (special tabulations from Doctorate Records File).

Appendix Table C-3: Doctorates Awarded to U.S. Citizens and Permanent Residents, by Field and Race/Ethnicity: 1989-2000 Aggregate (number and percent)

Ph.D.s by Race/Ethnicity and Field (number)

	Total, All Fields	Biological Sciences	Social, Behavioral, & Economic Sciences, Subtotal	Social & Economic Sciences	Behavioral Sciences	Other Fields
Race/Ethnicity						
Total PhDs	352,219	49,895	47,435	31,844	15,591	254,889
Ph.D.s with known race/ethnicity	345,767	49,092	46,399	31,132	15,267	250,276
Whites	284,914	39,752	38,683	25,446	13,237	206,479
Asians/Pacific Islanders	30,112	6,518	3,013	2,408	605	20,581
Total Underrepresented Minorities	30,741	2,822	4,703	3,278	1,425	23,216
Blacks	16,378	1,029	2,562	1,911	651	12,787
Hispanics	12,551	1,630	1,882	1,191	691	9,039
American Indians/Alaska Natives	1,812	163	259	176	83	1,390
Ph.D.s with unknown race/ethnicity	6,452	803	1,036	712	324	4,613

Field Distribution of Racial/Ethnic Groups (percent)

	Total, All Fields	Biological Sciences	Social, Behavioral, & Economic Sciences, Subtotal	Social & Economic Sciences	Behavioral Sciences	Other Fields
Race/Ethnicity						
Total PhDs	100.0	14.2	13.5	9.0	4.4	72.4
Ph.D.s with known race/ethnicity	100.0	14.2	13.4	9.0	4.4	72.4
Whites	100.0	14.0	13.6	8.9	4.6	72.5
Asians/Pacific Islanders	100.0	21.6	10.0	8.0	2.0	68.3
Total Underrepresented Minorities	100.0	9.2	15.3	10.7	4.6	75.5
Blacks	100.0	6.3	15.6	11.7	4.0	78.1
Hispanics	100.0	13.0	15.0	9.5	5.5	72.0
American Indians/Alaska Natives	100.0	9.0	14.3	9.7	4.6	76.7
Ph.D.s with unknown race/ethnicity	100.0	12.4	16.1	11.0	5.0	71.5

Racial/Ethnic Distribution of Fields (percent)

	Total, All Fields	Biological Sciences	Social, Behavioral, & Economic Sciences, Subtotal	Social & Economic Sciences	Behavioral Sciences	Other Fields
Race/Ethnicity						
Ph.D.s with known race/ethnicity	100.0	100.0	100.0	100.0	100.0	100.0
Whites	82.4	81.0	83.4	81.7	86.7	82.5
Asians/Pacific Islanders	8.7	13.3	6.5	7.7	4.0	8.2
Total Underrepresented Minorities	8.9	5.7	10.1	10.5	9.3	9.3
Blacks	4.7	2.1	5.5	6.1	4.3	5.1
Hispanics	3.6	3.3	4.1	3.8	4.5	3.6
American Indians/Alaska Natives	0.5	0.3	0.6	0.6	0.5	0.6

Source: National Science Foundation/Science Resources Statistics, Survey of Earned Doctorates (special tabulations from Doctorate Records File).

Appendix Table C-4: Postgraduation Plans of U.S. Citizen and Permanent Resident Ph.D.s in MPRF Fields, by Race/Ethnicity: 1989-2000 Aggregate (number)

TOTAL, ALL MPRF FIELDS									
Postgraduation Plans (status and type)	Total, All Ph.D.s	Total, Known Race/ Ethnicities	Whites	Asians/ Pacific Islanders	Total, Under- represented Minorities	Blacks	Hispanics	American Indians/ Alaska Natives	Unknown Race/ Ethnicity
TOTAL PHDS	97,330	95,491	78,435	9,531	7,525	3,591	3,512	422	1,839
TOTAL DEFINITE & INDEFINITE PLANS	92,767	91,508	75,323	9,164	7,021	3,350	3,281	390	1,259
Fellowship	26,647	26,322	21,095	3,409	1,818	760	959	99	325
Research associateship	12,064	11,928	9,657	1,576	695	266	392	37	136
Traineeship	1,125	1,115	847	196	72	36	33	3	10
Other study	3,634	3,581	2,765	582	234	104	109	21	53
TOTAL, ALL STUDIES	43,470	42,946	34,364	5,763	2,819	1,166	1,493	160	524
Academe	26,684	26,310	22,191	1,611	2,508	1,315	1,059	134	374
Industry/self	8,764	8,651	7,240	909	502	229	246	27	113
Government	5,637	5,558	4,780	276	502	285	186	31	79
Other known sector	4,801	4,717	4,038	289	390	208	167	15	84
Unknown sector	3,411	3,326	2,710	316	300	147	130	23	85
TOTAL, EMPLOYED	49,297	48,562	40,959	3,401	4,202	2,184	1,788	230	735
TOTAL DEFINITE PLANS	66,980	66,118	55,336	6,035	4,747	2,166	2,317	264	862
Fellowship	21,012	20,768	17,015	2,416	1,337	528	738	71	244
Research associateship	8,876	8,776	7,289	1,052	435	153	257	25	100
Traineeship	880	871	673	148	50	24	24	2	9
Other study	2,931	2,892	2,241	472	179	77	87	15	39
TOTAL, ALL STUDIES	33,699	33,307	27,218	4,088	2,001	782	1,106	113	392
Academe	18,997	18,745	16,022	932	1,791	904	794	93	252
Industry/self	5,653	5,575	4,771	521	283	129	138	16	78
Government	4,564	4,496	3,945	195	356	190	142	24	68
Other known sector	3,369	3,321	2,879	197	245	129	106	10	48
Unknown sector	698	674	501	102	71	32	31	8	24
TOTAL, EMPLOYED	33,281	32,811	28,118	1,947	2,746	1,384	1,211	151	470
BIOLOGICAL SCIENCES									
Postgraduation Plans (status and type)	Total, All Ph.D.s	Total, Known Race/ Ethnicities	Whites	Asians/ Pacific Islanders	Total, Under- represented Minorities	Blacks	Hispanics	American Indians/ Alaska Natives	Unknown Race/ Ethnicity
TOTAL PHDS	49,895	49,092	39,752	6,518	2,822	1,029	1,630	163	803
TOTAL DEFINITE & INDEFINITE PLANS	48,191	47,585	38,568	6,341	2,676	965	1,561	150	606
Fellowship	21,204	20,954	16,681	3,076	1,197	436	693	68	250
Research associateship	9,841	9,728	7,876	1,369	483	158	301	24	113
Traineeship	783	773	555	172	46	22	23	1	10
Other study	2,982	2,945	2,246	527	172	65	91	16	37
TOTAL, ALL STUDIES	34,810	34,400	27,358	5,144	1,898	681	1,108	109	410
Academe	5,483	5,419	4,736	345	338	124	196	18	64
Industry/self	3,828	3,779	3,088	493	198	74	116	8	49
Government	1,867	1,839	1,627	100	112	41	63	8	28
Other known sector	1,019	995	836	103	56	19	37	0	24
Unknown sector	1,184	1,153	923	156	74	26	41	7	31
TOTAL, EMPLOYED	13,381	13,185	11,210	1,197	778	284	453	41	196
TOTAL DEFINITE PLANS	36,384	35,935	29,544	4,431	1,960	686	1,159	115	449
Fellowship	16,997	16,805	13,675	2,209	921	318	550	53	192
Research associateship	7,476	7,391	6,108	941	342	109	211	22	85
Traineeship	664	655	480	138	37	18	18	1	9
Other study	2,561	2,528	1,943	442	143	52	78	13	33
TOTAL, ALL STUDIES	27,698	27,379	22,206	3,730	1,443	497	857	89	319
Academe	3,803	3,757	3,297	211	249	85	155	9	46
Industry/self	2,362	2,331	1,941	275	115	50	60	5	31
Government	1,496	1,469	1,309	70	90	31	52	7	27
Other known sector	672	660	554	76	30	10	20	0	12
Unknown sector	353	339	237	69	33	13	15	5	14
TOTAL, EMPLOYED	8,686	8,556	7,338	701	517	189	302	26	130

Appendix Table C-4 (continued)

SOCIAL, BEHAVIORAL, & ECONOMIC SCIENCES, TOTAL									
Postgraduation Plans (status and type)	Total, All Ph.D.s	Total, Known Race/ Ethnicities	Whites	Asians/ Pacific Islanders	Total, Under- represented Minorities	Blacks	Hispanics	American Indians/ Alaska Natives	Unknown Race/ Ethnicity
TOTAL PHDS	47,435	46,399	38,683	3,013	4,703	2,562	1,882	259	1,036
TOTAL DEFINITE & INDEFINITE PLANS	44,576	43,923	36,755	2,823	4,345	2,385	1,720	240	653
Fellowship	5,443	5,368	4,414	333	621	324	266	31	75
Research associateship	2,223	2,200	1,781	207	212	108	91	13	23
Traineeship	342	342	292	24	26	14	10	2	0
Other study	652	636	519	55	62	39	18	5	16
TOTAL, ALL STUDIES	8,660	8,546	7,006	619	921	485	385	51	114
Academe	21,201	20,891	17,455	1,266	2,170	1,191	863	116	310
Industry/self	4,936	4,872	4,152	416	304	155	130	19	64
Government	3,770	3,719	3,153	176	390	244	123	23	51
Other known sector	3,782	3,722	3,202	186	334	189	130	15	60
Unknown sector	2,227	2,173	1,787	160	226	121	89	16	54
TOTAL, EMPLOYED	35,916	35,377	29,749	2,204	3,424	1,900	1,335	189	539
TOTAL DEFINITE PLANS	30,596	30,183	25,792	1,604	2,787	1,480	1,158	149	413
Fellowship	4,015	3,963	3,340	207	416	210	188	18	52
Research associateship	1,400	1,385	1,181	111	93	44	46	3	15
Traineeship	216	216	193	10	13	6	6	1	0
Other study	370	364	298	30	36	25	9	2	6
TOTAL, ALL STUDIES	6,001	5,928	5,012	358	558	285	249	24	73
Academe	15,194	14,988	12,725	721	1,542	819	639	84	206
Industry/self	3,291	3,244	2,830	246	168	79	78	11	47
Government	3,068	3,027	2,636	125	266	159	90	17	41
Other known sector	2,697	2,661	2,325	121	215	119	86	10	36
Unknown sector	345	335	264	33	38	19	16	3	10
TOTAL, EMPLOYED	24,595	24,255	20,780	1,246	2,229	1,195	909	125	340
SOCIAL & ECONOMIC SCIENCES									
Postgraduation Plans (status and type)	Total, All Ph.D.s	Total, Known Race/ Ethnicities	Whites	Asians/ Pacific Islanders	Total, Under- represented Minorities	Blacks	Hispanics	American Indians/ Alaska Natives	Unknown Race/ Ethnicity
TOTAL PHDS	31,844	31,132	25,446	2,408	3,278	1,911	1,191	176	712
TOTAL DEFINITE & INDEFINITE PLANS	30,259	29,719	24,360	2,266	3,093	1,799	1,123	171	540
Fellowship	2,207	2,155	1,657	179	319	200	106	13	52
Research associateship	1,046	1,031	775	134	122	73	41	8	15
Traineeship	80	80	54	17	9	7	1	1	0
Other study	403	393	310	41	42	29	9	4	10
TOTAL, ALL STUDIES	3,736	3,659	2,796	371	492	309	157	26	77
Academe	16,603	16,331	13,481	1,105	1,745	968	681	96	272
Industry/self	2,970	2,919	2,384	345	190	101	78	11	51
Government	2,988	2,941	2,490	160	291	200	75	16	47
Other known sector	2,364	2,317	1,952	155	210	120	79	11	47
Unknown sector	1,598	1,552	1,257	130	165	101	53	11	46
TOTAL, EMPLOYED	26,523	26,060	21,564	1,895	2,601	1,490	966	145	463
TOTAL DEFINITE PLANS	20,412	20,066	16,892	1,232	1,942	1,074	762	106	346
Fellowship	1,480	1,445	1,158	90	197	120	71	6	35
Research associateship	576	568	464	58	46	25	21	0	8
Traineeship	41	41	32	7	2	2	0	0	0
Other study	208	203	156	24	23	17	4	2	5
TOTAL, ALL STUDIES	2,305	2,257	1,810	179	268	164	96	8	48
Academe	11,834	11,652	9,823	606	1,223	646	505	72	182
Industry/self	1,959	1,919	1,607	209	103	49	48	6	40
Government	2,429	2,391	2,083	113	195	127	56	12	38
Other known sector	1,669	1,638	1,411	100	127	72	49	6	31
Unknown sector	216	209	158	25	26	16	8	2	7
TOTAL, EMPLOYED	18,107	17,809	15,082	1,053	1,674	910	666	98	298

Appendix Table C-4 (continued)

BEHAVIORAL SCIENCES									
Postgraduation Plans (status and type)	Total, All Ph.D.s	Total, Known Race/ Ethnicities	Whites	Asians/ Pacific Islanders	Total, Under- represented Minorities	Blacks	Hispanics	American Indians/ Alaska Natives	Unknown Race/ Ethnicity
TOTAL PHDS	15,591	15,267	13,237	605	1,425	651	691	83	324
TOTAL DEFINITE & INDEFINITE PLANS	14,317	14,204	12,395	557	1,252	586	597	69	113
Fellowship	3,236	3,213	2,757	154	302	124	160	18	23
Research associateship	1,177	1,169	1,006	73	90	35	50	5	8
Traineeship	262	262	238	7	17	7	9	1	0
Other study	249	243	209	14	20	10	9	1	6
TOTAL, ALL STUDIES	4,924	4,887	4,210	248	429	176	228	25	37
Academe	4,598	4,560	3,974	161	425	223	182	20	38
Industry/self	1,966	1,953	1,768	71	114	54	52	8	13
Government	782	778	663	16	99	44	48	7	4
Other known sector	1,418	1,405	1,250	31	124	69	51	4	13
Unknown sector	629	621	530	30	61	20	36	5	8
TOTAL, EMPLOYED	9,393	9,317	8,185	309	823	410	369	44	76
TOTAL DEFINITE PLANS	10,184	10,117	8,900	372	845	406	396	43	67
Fellowship	2,535	2,518	2,182	117	219	90	117	12	17
Research associateship	824	817	717	53	47	19	25	3	7
Traineeship	175	175	161	3	11	4	6	1	0
Other study	162	161	142	6	13	8	5	0	1
TOTAL, ALL STUDIES	3,696	3,671	3,202	179	290	121	153	16	25
Academe	3,360	3,336	2,902	115	319	173	134	12	24
Industry/self	1,332	1,325	1,223	37	65	30	30	5	7
Government	639	636	553	12	71	32	34	5	3
Other known sector	1,028	1,023	914	21	88	47	37	4	5
Unknown sector	129	126	106	8	12	3	8	1	3
TOTAL, EMPLOYED	6,488	6,446	5,698	193	555	285	243	27	42

Source: National Science Foundation/Science Resources Statistics, Survey of Earned Doctorates (special tabulations from Doctorate Records File).

Appendix Table C-5: Postgraduation Plans of U.S. Citizen and Permanent Resident Ph.D.s, by Race/Ethnicity: 1989-2000 Aggregate (total numbers; percent mechanism within total study; percent employer within total employed)

TOTAL, ALL MPRF FIELDS									
Postgraduation Plans (status and type)	Total, All Ph.D.s	Total, Known Race/ Ethnicities	Whites	Asians/ Pacific Islanders	Total, Under- represented Minorities	Blacks	Hispanics	American Indians/ Alaska Natives	Unknown Race/ Ethnicity
TOTAL PHDS	97,330	95,491	78,435	9,531	7,525	3,591	3,512	422	1,839
TOTAL DEFINITE & INDEFINITE PLANS	92,767	91,508	75,323	9,164	7,021	3,350	3,281	390	1,259
TOTAL, ALL STUDY (N)	43,470	42,946	34,364	5,763	2,819	1,166	1,493	160	524
Fellowship (%)	61.3	61.3	61.4	59.2	64.5	65.2	64.2	61.9	62.0
Research associateship (%)	27.8	27.8	28.1	27.3	24.7	22.8	26.3	23.1	26
Traineeship (%)	2.6	2.6	2.5	3.4	2.6	3.1	2.2	1.9	1.9
Other study (%)	8.4	8.3	8.0	10.1	8.3	8.9	7.3	13.1	10.1
TOTAL, EMPLOYED (N)	49,297	48,562	40,959	3,401	4,202	2,184	1,788	230	735
TOTAL WITH KNOWN SECTOR (N)	45,886	45,236	38,249	3,085	3,902	2,037	1,658	207	650
Academe (%)	58.2	58.2	58.0	52.2	64.3	64.6	63.9	64.7	57.5
Industry/self (%)	19.1	19.1	18.9	29.5	12.9	11.2	14.8	13.0	17.4
Government (%)	12.3	12.3	12.5	8.9	12.9	14.0	11.2	15.0	12.2
Other sector (%)	10.5	10.4	10.6	9.4	10.0	10.2	10.1	7.2	12.9
TOTAL DEFINITE PLANS	66,980	66,118	55,336	6,035	4,747	2,166	2,317	264	862
TOTAL, ALL STUDY (N)	33,699	33,307	27,218	4,088	2,001	782	1,106	113	392
Fellowship (%)	62.4	62.4	62.5	59.1	66.8	67.5	66.7	62.8	62.2
Research associateship (%)	26.3	26.3	26.8	25.7	21.7	19.6	23.2	22.1	25.5
Traineeship (%)	2.6	2.6	2.5	3.6	2.5	3.1	2.2	1.8	2.3
Other study (%)	8.7	8.7	8.2	11.5	8.9	9.8	7.9	13.3	9.9
TOTAL, EMPLOYED (N)	33,281	32,811	28,118	1,947	2,746	1,384	1,211	151	470
TOTAL WITH KNOWN SECTOR (N)	32,583	32,137	27,617	1,845	2,675	1,352	1,180	143	446
Academe (%)	58.3	58.3	58.0	50.5	67.0	66.9	67.3	65.0	56.5
Industry/self (%)	17.3	17.3	17.3	28.2	10.6	9.5	11.7	11.2	17.5
Government (%)	14.0	14.0	14.3	10.6	13.3	14.1	12.0	16.8	15.2
Other sector (%)	10.3	10.3	10.4	10.7	9.2	9.5	9.0	7.0	10.8
BIOLOGICAL SCIENCES									
Postgraduation Plans (status and type)	Total, All Ph.D.s	Total, Known Race/ Ethnicities	Whites	Asians/ Pacific Islanders	Total, Under- represented Minorities	Blacks	Hispanics	American Indians/ Alaska Natives	Unknown Race/ Ethnicity
TOTAL PHDS	49,895	49,092	39,752	6,518	2,822	1,029	1,630	163	803
TOTAL DEFINITE & INDEFINITE PLANS	48,191	47,585	38,568	6,341	2,676	965	1,561	150	606
TOTAL, ALL STUDY (N)	34,810	34,400	27,358	5,144	1,898	681	1,108	109	410
TOTAL, ALL STUDY (%)	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Fellowship (%)	60.9	60.9	61.0	59.8	63.1	64.0	62.5	62.4	61.0
Research associateship (%)	28.3	28.3	28.8	26.6	25.4	23.2	27.2	22.0	27.6
Traineeship (%)	2.2	2.2	2.0	3.3	2.4	3.2	2.1	0.9	2.4
Other study (%)	8.6	8.6	8.2	10.2	9.1	9.5	8.2	14.7	9.0
TOTAL, EMPLOYED (N)	13,381	13,185	11,210	1,197	778	284	453	41	196
TOTAL WITH KNOWN SECTOR (N)	12,197	12,032	10,287	1,041	704	258	412	34	165
Academe (%)	45.0	45.0	46.0	33.1	48.0	48.1	47.6	52.9	38.8
Industry/self (%)	31.4	31.4	30.0	47.4	28.1	28.7	28.2	23.5	29.7
Government (%)	15.3	15.3	15.8	9.6	15.9	15.9	15.3	23.5	17.0
Other sector (%)	8.4	8.3	8.1	9.9	8.0	7.4	9.0	0.0	14.5
TOTAL DEFINITE PLANS	36,384	35,935	29,544	4,431	1,960	686	1,159	115	449
TOTAL, ALL STUDY (N)	27,698	27,379	22,206	3,730	1,443	497	857	89	319
TOTAL, ALL STUDY (%)	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Fellowship (%)	61.4	61.4	61.6	59.2	63.8	64.0	64.2	59.6	60.2
Research associateship (%)	27.0	27.0	27.5	25.2	23.7	21.9	24.6	24.7	26.6
Traineeship (%)	2.4	2.4	2.2	3.7	2.6	3.6	2.1	1.1	2.8
Other study (%)	9.2	9.2	8.7	11.8	9.9	10.5	9.1	14.6	10.3
TOTAL, EMPLOYED (N)	8,686	8,556	7,338	701	517	189	302	26	130
TOTAL WITH KNOWN SECTOR (N)	8,333	8,217	7,101	632	484	176	287	21	116
Academe (%)	45.6	45.7	46.4	33.4	51.4	48.3	54.0	42.9	39.7
Industry/self (%)	28.3	28.4	27.3	43.5	23.8	28.4	20.9	23.8	26.7
Government (%)	18.0	17.9	18.4	11.1	18.6	17.6	18.1	33.3	23.3
Other sector (%)	8.1	8.0	7.8	12.0	6.2	5.7	7.0	0.0	10.3

Appendix Table C-5 (continued)

SOCIAL, BEHAVIORAL, & ECONOMIC SCIENCES, TOTAL									
Postgraduation Plans (status and type)	Total, All Ph.D.s	Total, Known Race/ Ethnicities	Whites	Asians/ Pacific Islanders	Total, Under- represented Minorities	Blacks	Hispanics	American Indians/ Alaska Natives	Unknown Race/ Ethnicity
TOTAL PHDS	47,435	46,399	38,683	3,013	4,703	2,562	1,882	259	1,036
TOTAL DEFINITE & INDEFINITE PLANS	44,576	43,923	36,755	2,823	4,345	2,385	1,720	240	653
TOTAL, ALL STUDY (N)	8,660	8,546	7,006	619	921	485	385	51	114
TOTAL, ALL STUDY (%)	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Fellowship (%)	62.9	62.8	63.0	53.8	67.4	66.8	69.1	60.8	65.8
Research associateship (%)	25.7	25.7	25.4	33.4	23.0	22.3	23.6	25.5	20.2
Traineeship (%)	3.9	4.0	4.2	3.9	2.8	2.9	2.6	3.9	0.0
Other study (%)	7.5	7.4	7.4	8.9	6.7	8.0	4.7	9.8	14.0
TOTAL, EMPLOYED (N)	35,916	35,377	29,749	2,204	3,424	1,900	1,335	189	539
TOTAL WITH KNOWN SECTOR (N)	33,689	33,204	27,962	2,044	3,198	1,779	1,246	173	485
Academe (%)	62.9	62.9	62.4	61.9	67.9	66.9	69.3	67.1	63.9
Industry/self (%)	14.7	14.7	14.8	20.4	9.5	8.7	10.4	11.0	13.2
Government (%)	11.2	11.2	11.3	8.6	12.2	13.7	9.9	13.3	10.5
Other sector (%)	11.2	11.2	11.5	9.1	10.4	10.6	10.4	8.7	12.4
TOTAL DEFINITE PLANS	30,596	30,183	25,792	1,604	2,787	1,480	1,158	149	413
TOTAL, ALL STUDY (N)	6,001	5,928	5,012	358	558	285	249	24	73
TOTAL, ALL STUDY (%)	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Fellowship (%)	66.9	66.9	66.6	57.8	74.6	73.7	75.5	75.0	71.2
Research associateship (%)	23.3	23.4	23.6	31.0	16.7	15.4	18.5	12.5	20.5
Traineeship (%)	3.6	3.6	3.9	2.8	2.3	2.1	2.4	4.2	0.0
Other study (%)	6.2	6.1	5.9	8.4	6.5	8.8	3.6	8.3	8.2
TOTAL, EMPLOYED (N)	24,595	24,255	20,780	1,246	2,229	1,195	909	125	340
TOTAL WITH KNOWN SECTOR (N)	24,250	23,920	20,516	1,213	2,191	1,176	893	122	330
Academe (%)	62.7	62.7	62.0	59.4	70.4	69.6	71.6	68.9	62.4
Industry/self (%)	13.6	13.6	13.8	20.3	7.7	6.7	8.7	9.0	14.2
Government (%)	12.7	12.7	12.8	10.3	12.1	13.5	10.1	13.9	12.4
Other sector (%)	11.1	11.1	11.3	10.0	9.8	10.1	9.6	8.2	10.9
SOCIAL & ECONOMIC SCIENCES									
Postgraduation Plans (status and type)	Total, All Ph.D.s	Total, Known Race/ Ethnicities	Whites	Asians/ Pacific Islanders	Total, Under- represented Minorities	Blacks	Hispanics	American Indians/ Alaska Natives	Unknown Race/ Ethnicity
TOTAL PHDS	31,844	31,132	25,446	2,408	3,278	1,911	1,191	176	712
TOTAL DEFINITE & INDEFINITE PLANS	30,259	29,719	24,360	2,266	3,093	1,799	1,123	171	540
TOTAL, ALL STUDY (N)	3,736	3,659	2,796	371	492	309	157	26	77
TOTAL, ALL STUDY (%)	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Fellowship (%)	59.1	58.9	59.3	48.2	64.8	64.7	67.5	50.0	67.5
Research associateship (%)	28.0	28.2	27.7	36.1	24.8	23.6	26.1	30.8	19.5
Traineeship (%)	2.1	2.2	1.9	4.6	1.8	2.3	0.6	3.8	0.0
Other study (%)	10.8	10.7	11.1	11.1	8.5	9.4	5.7	15.4	13.0
TOTAL, EMPLOYED (N)	26,523	26,060	21,564	1,895	2,601	1,490	966	145	463
TOTAL WITH KNOWN SECTOR (N)	24,925	24,508	20,307	1,765	2,436	1,389	913	134	417
Academe (%)	66.6	66.6	66.4	62.6	71.6	69.7	74.6	71.6	65.2
Industry/self (%)	11.9	11.9	11.7	19.5	7.8	7.3	8.5	8.2	12.2
Government (%)	12.0	12.0	12.3	9.1	11.9	14.4	8.2	11.9	11.3
Other sector (%)	9.5	9.5	9.6	8.8	8.6	8.6	8.7	8.2	11.3
TOTAL DEFINITE PLANS	20,412	20,066	16,892	1,232	1,942	1,074	762	106	346
TOTAL, ALL STUDY (N)	2,305	2,257	1,810	179	268	164	96	8	48
TOTAL, ALL STUDY (%)	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Fellowship (%)	64.2	64.0	64.0	50.3	73.5	73.2	74.0	75.0	72.9
Research associateship (%)	25	25.2	25.6	32.4	17.2	15.2	21.9	0.0	16.7
Traineeship (%)	1.8	1.8	1.8	3.9	0.7	1.2	0.0	0.0	0.0
Other study (%)	9.0	9.0	8.6	13.4	8.6	10.4	4.2	25	10.4
TOTAL, EMPLOYED (N)	18,107	17,809	15,082	1,053	1,674	910	666	98	298
TOTAL WITH KNOWN SECTOR (N)	17,891	17,600	14,924	1,028	1,648	894	658	96	291
Academe (%)	66.1	66.2	65.8	58.9	74.2	72.3	76.7	75.0	62.5
Industry/self (%)	10.9	10.9	10.8	20.3	6.3	5.5	7.3	6.3	13.7
Government (%)	13.6	13.6	14.0	11.0	11.8	14.2	8.5	12.5	13.1
Other sector (%)	9.3	9.3	9.5	9.7	7.7	8.1	7.4	6.3	10.7

Appendix Table C-5 (continued)

BEHAVIORAL SCIENCES									
Postgraduation Plans (status and type)	Total, All Ph.D.s	Total, Known Race/ Ethnicities	Whites	Asians/ Pacific Islanders	Total, Under- represented Minorities	Blacks	Hispanics	American Indians/ Alaska Natives	Unknown Race/ Ethnicity
TOTAL PHDS	15,591	15,267	13,237	605	1,425	651	691	83	324
TOTAL DEFINITE & INDEFINITE PLANS	14,317	14,204	12,395	557	1,252	586	597	69	113
TOTAL, ALL STUDY (N)	4,924	4,887	4,210	248	429	176	228	25	37
TOTAL, ALL STUDY (%)	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Fellowship (%)	65.7	65.7	65.5	62.1	70.4	70.5	70.2	72.0	62.2
Research associateship (%)	23.9	23.9	23.9	29.4	21.0	19.9	21.9	20.0	21.6
Traineeship (%)	5.3	5.4	5.7	2.8	4.0	4.0	3.9	4.0	0.0
Other study (%)	5.1	5.0	5.0	5.6	4.7	5.7	3.9	4.0	16.2
TOTAL, EMPLOYED (N)	9,393	9,317	8,185	309	823	410	369	44	76
TOTAL WITH KNOWN SECTOR (N)	8,764	8,696	7,655	279	762	390	333	39	68
Academe (%)	52.5	52.4	51.9	57.7	55.8	57.2	54.7	51.3	55.9
Industry/self (%)	22.4	22.5	23.1	25.4	15.0	13.8	15.6	20.5	19.1
Government (%)	8.9	8.9	8.7	5.7	13.0	11.3	14.4	17.9	5.9
Other sector (%)	16.2	16.2	16.3	11.1	16.3	17.7	15.3	10.3	19.1
TOTAL DEFINITE PLANS	10,184	10,117	8,900	372	845	406	396	43	67
TOTAL, ALL STUDY (N)	3,696	3,671	3,202	179	290	121	153	16	25
TOTAL, ALL STUDY (%)	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Fellowship (%)	68.6	68.6	68.1	65.4	75.5	74.4	76.5	75.0	68.0
Research associateship (%)	22.3	22.3	22.4	29.6	16.2	15.7	16.3	18.8	28.0
Traineeship (%)	4.7	4.8	5.0	1.7	3.8	3.3	3.9	6.2	0.0
Other study (%)	4.4	4.4	4.4	3.4	4.5	6.6	3.3	0.0	4.0
TOTAL, EMPLOYED (N)	6,488	6,446	5,698	193	555	285	243	27	42
TOTAL WITH KNOWN SECTOR (N)	6,359	6,320	5,592	185	543	282	235	26	39
Academe (%)	52.8	52.8	51.9	62.2	58.7	61.3	57.0	46.2	61.5
Industry/self (%)	20.9	21.0	21.9	20.0	12.0	10.6	12.8	19.2	17.9
Government (%)	10.0	10.1	9.9	6.5	13.1	11.3	14.5	19.2	7.7
Other sector (%)	16.2	16.2	16.3	11.4	16.2	16.7	15.7	15.4	12.8

Source: National Science Foundation/Science Resources Statistics, Survey of Earned Doctorates (special tabulations from Doctorate Records File).

Appendix Table C-6: Postdoc Rates of U.S. Citizen and Permanent Resident Ph.D.s in MPRF Fields, by Race/Ethnicity: 1989-2000, 1989, and 2000 (percent)

	Postdoc Rate (percent)						
	Total, All PhDs	Whites	Asians/Pacific Islanders	Total Underrepresented Minorities	Blacks	Hispanics	American Indians/Alaska Natives
Total, All MPRF Fields							
1989-2000	46.9	45.6	62.9	40.2	34.8	45.5	41.0
1989	45.9	46.0	58.3	34.0	27.7	42.3	31.6
2000	44.2	43.4	57.6	40.0	33.3	48.1	31.1
Biological Sciences							
1989-2000	72.2	70.9	81.1	70.9	70.6	71.0	72.7
1989	72.1	71.8	77.0	71.9	70.9	70.7	100.0
2000	68.0	67.4	72.7	69.8	70.8	70.7	55.6
Social, Behavioral, & Economic Sciences, Total							
1989-2000	19.4	19.1	21.9	21.2	20.3	22.4	21.2
1989	17.1	17.0	27.0	13.8	11.9	18.2	7.1
2000	19.5	18.9	25.3	20.8	18.6	25.1	14.8
Social & Economic Sciences							
1989-2000	12.3	11.5	16.4	15.9	17.2	14.0	15.2
1989	11.2	10.7	24.2	9.8	8.3	14.1	0.0
2000	12.4	11.5	20.5	14.5	13.7	17.5	5.0
Behavioral Sciences							
1989-2000	34.4	34.0	44.5	34.3	30.0	38.2	36.2
1989	29.5	29.3	37.0	26.7	26.7	29.2	16.7
2000	35.2	34.6	39.1	36.8	34.4	38.5	42.9

Note: See Appendix Table C-1 for numbers of doctorates by field and race/ethnicity.

Source: National Science Foundation/Science Resources Statistics, Survey of Earned Doctorates (special tabulations from Doctorate Records File).

Appendix Table C-7: Primary Source of Postdoc Support for U.S. Citizen and Permanent Resident Ph.D.s in MPRF Fields with Commitments in the United States, by Race/Ethnicity: 1989-2000 Aggregate (total number with U.S. postdoc commitments and percent source)

Primary Source of Support	Total, All PhDs	Whites	Asians/Pacific Islanders	Total Underrepresented Minorities	Blacks	Hispanics	American Indians/Alaska Natives
Total with U.S. postdoc commitment	31,688	25,550	3,894	1,899	752	1,041	106
Total with known source of support	27,646	22,374	3,316	1,662	655	920	87
Federal government	56.6	58.0	49.6	52.2	48.4	54.5	56.3
College/university	22.7	21.3	29.7	27.6	31.1	24.9	28.7
Private foundation	12.5	12.7	12.0	11.6	12.1	11.4	9.2
Nonprofit organization	2.4	2.2	3.1	3.0	3.5	2.8	1.1
Other	5.8	5.9	5.6	5.7	4.9	6.4	4.6

Source: National Science Foundation/Science Resources Statistics, Survey of Earned Doctorates (special tabulations from Doctorate Records File).

Appendix Table C-8: Postdoc Setting for U.S. Citizen and Permanent Resident Ph.D.s in MPRF Fields with Commitments in the United States, by Race/Ethnicity: 1989-1996 Aggregate (total number with U.S. postdoc commitments and percent setting)

Setting	Total, All PhDs	Whites	Asians/Pacific Islanders	Total Underrepresented Minorities	Blacks	Hispanics	American Indians/Alaska Natives
Total with U.S. postdoc commitment	20,788	17,015	2,481	1,098	432	594	72
Total with known source of support	18,228	15,119	2,022	923	355	508	60
Federal government	8.9	8.9	8.7	9.3	11.3	7.7	11.7
College/university	78.4	78.5	77.6	78.9	76.1	81.3	75.0
Industry/business	3.1	3.0	4.0	2.0	1.4	1.8	6.7
Nonprofit organization	9.1	9.0	9.4	8.7	8.5	9.1	6.7
Other	0.5	0.6	0.2	1.2	2.8	0.2	0.0

Note: Data on nonacademic settings are not available after 1996.

Source: National Science Foundation/Science Resources Statistics, Survey of Earned Doctorates (special tabulations from Doctorate Records File).