

Table 46. Postdoctorates in doctorate-granting institutions, by area of science, engineering, and health, and primary source of support: 1990-1999

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Field and source of support	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
Total, all departments:										
Total	29,520	30,809	32,685	34,257	36,293	35,838	37,038	38,105	39,421	40,244
Federal fellowships	2,683	2,763	2,886	2,928	3,170	3,153	3,313	3,414	4,022	3,775
Federal traineeships	2,590	2,721	2,840	2,902	2,935	2,747	2,749	2,729	2,835	2,632
Federal research grants	15,074	15,931	16,949	17,830	18,605	18,585	19,252	19,716	20,247	21,480
Non-Federal support	9,173	9,394	10,010	10,597	11,583	11,353	11,724	12,246	12,317	12,357
Biological sciences:										
Total	11,932	12,480	13,179	13,792	14,421	14,687	14,935	14,932	15,511	15,910
Federal fellowships	1,272	1,343	1,336	1,321	1,353	1,339	1,395	1,409	1,558	1,437
Federal traineeships	950	1,041	1,131	1,083	1,066	1,055	1,046	985	1,090	1,074
Federal research grants	6,371	6,836	7,139	7,657	7,931	8,076	8,300	8,383	8,596	9,181
Non-Federal support	3,339	3,260	3,573	3,731	4,071	4,217	4,194	4,155	4,267	4,218
Health sciences:										
Total	7,746	7,993	8,845	9,642	10,551	9,738	10,509	11,197	12,022	11,680
Federal fellowships	920	908	942	1,041	1,211	1,174	1,178	1,210	1,706	1,542
Federal traineeships	1,440	1,495	1,533	1,624	1,672	1,437	1,434	1,528	1,537	1,312
Federal research grants	2,204	2,191	2,593	2,892	3,042	2,927	3,394	3,645	3,982	4,124
Non-Federal support	3,182	3,399	3,777	4,085	4,626	4,200	4,503	4,814	4,797	4,702
Clinical medicine:										
Total	6,939	7,164	7,973	8,621	9,407	8,594	9,360	10,008	10,787	10,525
Federal fellowships	847	825	853	938	1,105	1,087	1,100	1,105	1,610	1,455
Federal traineeships	1,381	1,427	1,467	1,527	1,559	1,320	1,312	1,418	1,408	1,199
Federal research grants	1,788	1,810	2,187	2,402	2,552	2,442	2,903	3,129	3,431	3,619
Non-Federal support	2,923	3,102	3,466	3,754	4,191	3,745	4,045	4,356	4,338	4,252
Other health related:										
Total	807	829	872	1,021	1,144	1,144	1,149	1,189	1,235	1,155
Federal fellowships	73	83	89	103	106	87	78	105	96	87
Federal traineeships	59	68	66	97	113	117	122	110	129	113
Federal research grants	416	381	406	490	490	485	491	516	551	505
Non-Federal support	259	297	311	331	435	455	458	458	459	450
Psychology:										
Total	464	507	523	520	546	577	589	567	606	703
Federal fellowships	46	47	52	66	72	82	84	67	79	81
Federal traineeships	101	100	84	99	103	115	125	114	109	133
Federal research grants	203	219	252	225	227	225	234	217	244	292
Non-Federal support	114	141	135	130	144	155	146	169	174	197
Social sciences (except psychology):										
Total	438	379	361	378	390	376	444	362	388	451
Federal fellowships	36	42	51	49	55	59	61	42	35	40
Federal traineeships	30	27	26	24	24	27	36	34	26	27
Federal research grants	118	103	105	121	128	104	127	85	101	151
Non-Federal support	254	207	179	184	183	186	220	201	226	233
Engineering:										
Total	1,939	2,245	2,354	2,437	2,594	2,635	2,670	2,947	2,822	3,156
Federal fellowships	35	61	60	42	57	60	114	154	113	123
Federal traineeships	29	25	19	16	24	26	22	19	21	23
Federal research grants	1,184	1,407	1,551	1,603	1,737	1,710	1,724	1,864	1,810	2,091
Non-Federal support	691	752	724	776	776	839	810	910	878	919
Physical sciences:										
Total	5,567	5,691	5,758	5,640	5,849	5,817	5,792	5,856	5,884	6,043
Federal fellowships	296	269	337	267	288	338	355	379	357	371
Federal traineeships	36	27	33	32	28	73	62	39	37	56
Federal research grants	4,104	4,195	4,226	4,165	4,282	4,227	4,157	4,153	4,146	4,207
Non-Federal support	1,131	1,200	1,162	1,176	1,251	1,179	1,218	1,285	1,344	1,409
Environmental sciences:										
Total	591	623	690	762	815	845	859	934	893	919
Federal fellowships	28	34	44	64	59	41	45	61	71	93
Federal traineeships	2	2	6	7	8	5	15	6	12	0
Federal research grants	443	447	484	539	594	649	633	659	666	677
Non-Federal support	118	140	156	152	154	150	166	208	144	149

See explanatory information, if any, and SOURCE at end of table.

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Mathematical/computer sciences:										
Total	319	326	345	388	422	475	575	618	639	674
Federal fellowships	42	31	25	50	65	45	75	69	75	72
Federal traineeships	1	3	7	14	8	8	5	3	2	7
Federal research grants	172	196	219	227	225	277	320	351	367	346
Non-Federal support	104	96	94	97	124	145	175	195	195	249
Agricultural sciences:										
Total	524	565	630	698	705	688	665	692	656	708
Federal fellowships	8	28	39	28	10	15	6	23	28	16
Federal traineeships	1	1	1	3	2	1	4	1	1	0
Federal research grants	275	337	380	401	439	390	363	359	335	411
Non-Federal support	240	199	210	266	254	282	292	309	292	281

SOURCE: NSF-NIH Survey of Graduate Students and Postdoctorates in Science and Engineering