

TABLE 2-5  
Sources of support for research doctorate recipients with postdoctoral training commitments, by sex, citizenship status, ethnicity, and race: Selected years, 1993–2023

(Number and percent)

Postdoctoral training commitments, source of support, and year	Total <sup>a</sup>	Sex		Citizenship status		U.S. citizens and permanent residents							
		Male	Female	U.S. citizen or permanent resident	Temporary visa holder	Hispanic or Latino	Not Hispanic or Latino						Ethnicity not reported
							American Indian or Alaska Native	Asian <sup>b</sup>	Black or African American	White	More than one race	Other race or race not reported <sup>c</sup>	
All postdoctoral training commitments (number)													
1993	7,060	4,697	2,362	4,990	2,068	162	11	422	126	4,228	na	24	17
1998	7,581	4,664	2,914	5,383	2,186	208	18	649	154	4,232	na	80	42
2003	8,588	5,141	3,447	5,642	2,933	260	15	530	248	4,339	96	77	77
2008	10,573	6,050	4,523	6,581	3,976	382	D	568	307	5,027	D	73	87
2013	10,913	6,044	4,869	7,079	3,811	425	22	595	314	5,422	208	47	46
2018	13,200	7,236	5,964	8,473	4,687	642	13	855	393	6,188	294	55	33
2023	14,026	7,344	6,681	8,555	5,412	887	20	917	455	5,766	410	68	32
U.S. government (%)													
1993	35.2	34.1	37.3	42.6	17.3	38.9	45.5	37.0	33.3	43.5	na	45.8	41.2
1998	36.4	36.6	36.0	42.3	22.0	34.6	50.0	39.1	36.4	43.6	na	27.5	45.2
2003	32.9	33.7	31.8	39.8	19.8	36.2	53.3	40.0	28.2	40.9	42.7	27.3	29.9
2008	29.2	28.9	29.5	35.3	19.1	35.6	D	34.2	32.2	36.2	D	30.1	17.2
2013	31.3	30.5	32.3	37.2	20.4	34.1	D	32.9	36.6	37.9	40.4	D	23.9
2018	30.1	29.0	31.4	37.1	17.5	36.9	38.5	33.6	28.8	38.2	35.4	40.0	39.4
2023	27.8	27.1	28.7	35.3	16.2	34.7	D	32.4	26.2	37.0	34.6	D	25.0
College or university (%)													
1993	28.7	31.3	23.5	21.5	46.2	19.1	D	27.0	25.4	21.0	na	D	17.6
1998	31.5	33.6	28.1	26.8	43.0	35.1	22.2	27.6	24.0	26.3	na	36.3	21.4
2003	41.5	42.8	39.7	35.0	54.1	37.3	20.0	36.2	39.5	34.6	30.2	40.3	29.9
2008	45.3	46.3	44.0	40.2	53.6	39.5	36.4	43.3	46.6	39.1	46.1	53.4	43.7
2013	43.6	45.3	41.4	38.9	52.3	41.6	40.9	40.3	41.1	38.5	40.4	34.0	32.6
2018	41.1	43.3	38.5	35.9	50.9	38.2	D	36.6	43.0	35.1	37.1	D	24.2
2023	44.3	47.2	41.1	37.3	55.5	38.9	D	41.3	44.6	35.4	39.5	D	34.4
Private foundation (%)													
1993	9.8	9.3	10.6	9.9	9.4	13.6	0.0	9.0	15.9	9.7	na	8.3	0.0
1998	9.8	9.5	10.3	9.7	10.0	8.7	5.6	10.8	10.4	9.5	na	11.3	9.5
2003	5.8	5.3	6.6	6.4	4.8	6.9	6.7	4.3	6.9	6.5	8.3	7.8	7.8
2008	5.0	4.7	5.5	5.5	4.3	5.0	D	4.0	3.9	5.7	D	0.0	10.3
2013	4.7	4.1	5.5	5.4	3.5	4.5	D	4.4	4.5	5.6	5.8	D	17.4
2018	4.5	4.1	5.0	5.3	3.1	4.2	0.0	5.3	4.6	5.6	4.4	0.0	3.0
2023	3.9	3.1	4.7	4.7	2.6	2.8	0.0	3.8	5.5	5.1	4.4	1.5	6.3
Nonprofit, other than private foundation (%)													
1993	2.5	2.5	2.6	2.2	3.3	2.5	0.0	0.9	1.6	2.4	na	4.2	0.0

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Sources of support for research doctorate recipients with postdoctoral training commitments, by sex, citizenship status, ethnicity, and race: Selected years, 1993–2023

(Number and percent)

Postdoctoral training commitments, source of support, and year	Total <sup>a</sup>	Sex		Citizenship status		U.S. citizens and permanent residents							
		Male	Female	U.S. citizen or permanent resident	Temporary visa holder	Hispanic or Latino	Not Hispanic or Latino						Ethnicity not reported
							American Indian or Alaska Native	Asian <sup>b</sup>	Black or African American	White	More than one race	Other race or race not reported <sup>c</sup>	
1998	3.1	2.8	3.4	2.6	4.2	1.0	0.0	2.5	3.2	2.7	na	0.0	2.4
2003	3.7	3.0	4.9	3.8	3.6	3.8	0.0	3.8	4.8	3.8	4.2	3.9	2.6
2008	3.1	2.6	3.8	2.8	3.5	2.9	D	1.9	4.6	2.8	D	4.1	4.6
2013	3.6	2.7	4.7	3.7	3.4	3.1	0.0	4.7	3.5	3.8	2.4	4.3	4.3
2018	3.1	2.4	3.8	3.5	2.3	4.0	D	2.8	5.6	3.4	3.1	D	6.1
2023	3.2	2.4	4.2	3.7	2.5	3.6	D	3.1	5.3	3.7	4.1	D	3.1
Other (%)													
1993	10.4	10.1	10.9	10.3	10.4	11.7	D	9.7	7.1	10.5	na	D	11.8
1998	7.4	6.8	8.4	7.0	8.4	10.1	5.6	6.3	5.8	7.1	na	8.8	2.4
2003	8.8	8.8	8.7	8.0	10.4	6.9	6.7	8.9	8.1	7.9	7.3	6.5	13.0
2008	10.2	11.0	9.2	9.2	12.0	7.3	D	8.5	5.2	9.5	D	6.8	14.9
2013	9.4	10.1	8.5	7.9	12.1	9.2	0.0	8.9	5.4	8.0	4.3	8.5	10.9
2018	9.0	9.4	8.7	7.5	11.8	5.0	7.7	8.2	7.9	7.7	7.5	7.3	9.1
2023	8.4	8.3	8.5	8.1	8.9	6.3	10.0	7.4	6.6	8.6	7.6	11.8	0.0
Unknown (%)													
1993	13.4	12.6	15.1	13.4	13.3	14.2	D	16.4	16.7	12.9	na	D	29.4
1998	11.9	10.6	13.9	11.6	12.4	10.6	16.7	13.7	20.1	10.8	na	16.3	19.0
2003	7.2	6.4	8.3	7.1	7.2	8.8	13.3	6.8	12.5	6.5	7.3	14.3	16.9
2008	7.2	6.6	8.0	7.1	7.5	9.7	D	8.1	7.5	6.7	D	5.5	9.2
2013	7.4	7.3	7.5	6.8	8.3	7.5	4.5	8.7	8.9	6.3	6.7	17.0	10.9
2018	12.2	11.8	12.6	10.7	14.5	11.7	0.0	13.6	10.2	10.0	12.6	23.6	18.2
2023	12.4	11.9	12.9	10.9	14.3	13.6	15.0	12.0	11.9	10.2	9.8	8.8	31.3

D = suppressed to avoid disclosure of confidential information. na = not applicable; doctorate recipients were instructed to indicate only one race before 2001.

<sup>a</sup> Total includes doctorate recipients who did not report sex or citizenship status.

<sup>b</sup> Asian includes Native Hawaiians or Other Pacific Islanders through 2000 but excludes them since 2001.

<sup>c</sup> Before 2001, other race included doctorate recipients who selected more than one race. Since 2001, other race has included Native Hawaiians or Other Pacific Islanders, who previously had been included in the category Asian.

**Note(s):**

Percentages are based on the number of definite commitments for a postdoctoral study (postdoc) position.

**Source(s):**

National Center for Science and Engineering Statistics, Survey of Earned Doctorates.