

Table 50
Sources of support for doctorate recipients with postgraduation commitments for postdoctoral study, by sex, citizenship status, ethnicity, and race: Selected years, 1999–2019

(Number and percent)

Postgraduate study commitments, source of support, and year	Total ^a	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	Black or African American	White	More than one race	Other race or race not reported		
All postgraduate study commitments (number)														
1999	7,768	4,817	2,950	5,564	2,199	210	30	627	197	4,410	na	65	25	
2004	9,116	5,396	3,720	5,877	3,226	289	17	541	275	4,538	83	76	58	
2009	11,522	6,508	5,013	7,318	4,184	430	25	625	317	5,521	175	68	157	
2014	10,699	5,886	4,813	7,026	3,651	442	17	584	283	5,413	196	60	31	
2019	13,462	7,441	6,021	8,477	4,947	726	26	820	371	6,140	311	57	26	
U.S. government (%) ^b														
1999	35.7	35.8	35.4	41.6	20.7	41.4	36.7	36.4	34.0	42.9	na	30.8	44.0	
2004	30.9	31.2	30.4	37.6	18.8	34.3	23.5	33.3	28.0	39.0	36.1	34.2	36.2	
2009	29.6	29.0	30.4	36.3	17.9	38.1	20.0	30.4	32.8	37.4	31.4	35.3	28.0	
2014	31.2	30.9	31.7	36.4	21.3	38.0	D	32.5	30.7	37.0	36.7	D	48.4	
2019	31.6	30.9	32.4	38.6	19.8	37.6	34.6	34.4	32.6	39.8	37.0	28.1	38.5	
College or university (%) ^b														
1999	32.4	34.4	29.1	27.3	45.4	27.1	40.0	32.2	27.4	26.5	na	23.1	36.0	
2004	45.5	47.1	43.1	39.1	57.0	42.2	41.2	42.5	43.3	38.1	38.6	43.4	39.7	
2009	44.9	46.7	42.6	38.8	55.6	37.2	48.0	42.9	36.3	38.6	44.0	32.4	36.9	
2014	43.5	44.8	41.8	39.1	51.9	41.2	52.9	41.8	44.5	38.5	37.2	35.0	35.5	
2019	39.0	40.5	37.1	33.2	49.0	35.7	42.3	36.1	40.2	32.0	36.0	29.8	34.6	
Private foundation (%) ^b														
1999	9.3	8.5	10.6	9.2	9.6	8.1	3.3	8.8	7.1	9.4	na	9.2	8.0	
2004	5.4	5.1	6.0	6.1	4.3	3.8	5.9	5.2	5.1	6.4	4.8	6.6	6.9	
2009	4.7	4.3	5.2	5.8	2.8	5.6	0.0	5.3	5.7	5.9	D	D	9.6	
2014	5.0	5.0	5.2	5.9	3.4	3.8	0.0	6.0	6.0	6.1	5.1	3.3	6.5	
2019	4.1	3.5	4.8	4.9	2.7	4.7	D	4.9	3.0	4.9	8.0	D	0.0	
Nonprofit, other than private foundation (%) ^b														
1999	3.2	2.9	3.7	2.9	4.0	2.9	3.3	3.7	3.6	2.7	na	3.1	0.0	
2004	3.0	2.4	3.9	2.7	3.5	3.5	0.0	2.6	4.0	2.7	1.2	2.6	0.0	
2009	3.1	2.2	4.1	2.9	3.4	3.0	D	3.2	3.8	2.7	D	0.0	5.1	
2014	3.4	2.7	4.2	3.7	2.8	2.3	D	3.3	3.5	3.9	2.6	D	0.0	

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2019	3.2	2.3	4.3	3.7	2.4	4.0	0.0	3.7	2.7	3.8	1.6	0.0	3.8
Other (%) ^b													
1999	9.0	8.3	10.1	8.8	9.5	9.5	6.7	5.9	11.2	9.1	na	13.8	0.0
2004	8.1	7.6	8.9	7.5	9.2	6.9	11.8	8.9	6.2	7.4	6.0	10.5	5.2
2009	9.4	10.0	8.6	8.2	11.4	8.6	D	7.5	7.6	8.2	9.7	D	9.6
2014	9.7	10.1	9.1	8.1	12.8	5.9	D	9.4	7.1	8.1	7.7	D	3.2
2019	8.1	8.3	7.9	7.2	9.8	6.2	3.8	6.5	8.6	7.3	7.1	7.0	7.7
Unknown (%) ^b													
1999	10.5	10.0	11.2	10.3	10.8	11.0	10.0	13.1	16.8	9.4	na	20.0	12.0
2004	7.1	6.7	7.7	7.1	7.1	9.3	17.6	7.6	13.5	6.4	13.3	2.6	12.1
2009	8.3	7.8	9.0	8.0	9.0	7.4	16.0	10.7	13.9	7.2	9.1	13.2	10.8
2014	7.2	6.6	8.0	6.8	7.8	8.8	0.0	7.0	8.1	6.4	10.7	15.0	6.5
2019	14.1	14.5	13.6	12.4	16.4	11.8	D	14.5	12.9	12.1	10.3	D	15.4

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

^a Includes respondents who did not report sex and respondents who did not report citizenship status.^b Percentages based on number reporting definite commitments for postdoctoral study or training.**Source(s):**

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