

TABLE 35

Doctorate recipients' primary source of financial support, by broad field of study, sex, citizenship status, ethnicity, and race: 2017

(Number and percent)

Broad field of study and primary source of support	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	Black or African American	White	More than one race	Other race or race not reported	
All fields (number)	48,072	26,023	22,047	32,472	15,436	2,295	92	3,078	2,170	23,453	992	278	114
Teaching assistantships	20.6	20.6	20.6	19.7	22.6	16.4	14.1	17.8	12.3	20.9	20.7	21.9	19.3
Research assistantships or traineeships <sup>b</sup>	33.3	38.5	27.1	26.3	47.9	21.0	9.8	34.5	13.6	27.1	24.3	23.0	21.1
Fellowships, scholarships, or dissertation grants <sup>c</sup>	25.0	23.6	26.8	27.6	19.7	35.6	40.2	32.0	27.4	26.0	33.1	29.9	29.8
Own resources	16.0	12.0	20.6	21.6	4.0	23.2	30.4	12.6	41.5	20.9	19.1	20.9	22.8
Employer	3.2	3.1	3.3	4.5	0.5	3.3	5.4	2.7	5.1	4.8	2.7	4.3	5.3
Other	1.9	2.2	1.5	0.2	5.4	0.5	0.0	0.3	0.2	0.2	0.2	0.0	1.8
Life sciences (number) <sup>d</sup>	11,342	5,084	6,257	8,142	3,165	560	20	908	530	5,759	280	57	28
Teaching assistantships	12.8	13.3	12.4	12.1	14.6	8.9	D	D	6.8	13.6	8.9	12.3	3.6
Research assistantships or traineeships <sup>b</sup>	37.1	40.6	34.3	33.0	47.9	26.3	D	D	20.4	34.4	32.1	31.6	28.6
Fellowships, scholarships, or dissertation grants <sup>c</sup>	33.5	32.7	34.2	36.5	25.8	49.6	50.0	40.6	37.0	34.2	43.6	36.8	25.0
Own resources	11.2	8.4	13.5	14.2	3.3	11.8	35.0	10.8	31.9	13.2	12.5	17.5	39.3
Employer	3.0	2.5	3.4	3.9	0.7	2.1	D	D	3.6	4.4	2.5	1.8	3.6
Other	2.3	2.5	2.2	0.3	7.6	1.3	0.0	0.3	0.4	0.2	0.4	0.0	0.0
Physical sciences and earth sciences (number)	5,504	3,692	1,811	3,451	2,046	202	5	309	86	2,698	110	33	8
Teaching assistantships	25.5	25.5	25.3	23.5	28.9	16.3	D	24.3	30.2	23.2	35.5	D	37.5
Research assistantships or traineeships <sup>b</sup>	50.2	51.9	46.7	46.9	55.6	37.6	D	D	23.3	48.5	39.1	48.5	25.0
Fellowships, scholarships, or dissertation grants <sup>c</sup>	19.5	17.5	23.5	24.1	11.7	40.6	D	D	39.5	22.8	20.0	21.2	25.0
Own resources	2.8	3.0	2.5	D	D	D	0.0	2.6	7.0	4.2	D	D	0.0
Employer	0.9	1.1	0.6	D	D	D	0.0	D	0.0	1.2	D	0.0	12.5
Other	1.1	1.0	1.4	0.1	2.8	0.0	0.0	1.0	0.0	0.1	0.0	0.0	0.0

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Mathematics and computer sciences (number)	3,386	2,581	805	1,548	1,832	74	0	229	45	1,119	49	22	10
Teaching assistantships	36.6	35.7	39.6	36.2	37.1	18.9	0.0	32.8	33.3	37.8	42.9	45.5	20.0
Research assistantships or traineeships <sup>b</sup>	37.1	39.3	30.2	28.2	44.6	D	0.0	31.0	D	29.0	28.6	18.2	10.0
Fellowships, scholarships, or dissertation grants <sup>c</sup>	16.1	15.7	17.5	20.1	12.7	35.1	0.0	25.3	22.2	17.5	18.4	31.8	50.0
Own resources	6.1	5.3	8.6	D	D	D	0.0	7.9	24.4	10.8	10.2	4.5	20.0
Employer	2.1	2.1	2.0	D	D	D	0.0	3.1	D	4.6	0.0	0.0	0.0
Other	2.0	1.9	2.1	0.3	3.4	1.4	0.0	0.0	0.0	0.4	0.0	0.0	0.0
Psychology and social sciences (number)	7,764	3,211	4,553	6,136	1,596	500	22	456	478	4,421	201	42	16
Teaching assistantships	28.3	31.1	26.3	25.7	38.3	21.6	D	D	16.5	26.6	27.9	23.8	31.3
Research assistantships or traineeships <sup>b</sup>	17.7	15.8	19.0	17.7	17.5	16.4	D	19.5	7.1	19.1	D	4.8	31.3
Fellowships, scholarships, or dissertation grants <sup>c</sup>	25.7	27.4	24.6	24.2	31.8	29.4	50.0	28.1	26.4	22.4	32.8	33.3	12.5
Own resources	25.0	21.0	27.8	29.8	6.3	31.2	27.3	20.4	46.0	29.1	25.9	31.0	18.8
Employer	2.1	2.6	1.7	2.5	0.5	1.2	0.0	D	3.6	2.7	D	7.1	0.0
Other	1.3	2.0	0.7	0.2	5.5	0.2	0.0	0.2	0.4	0.1	0.0	0.0	6.3
Engineering (number)	8,660	6,632	2,028	3,855	4,779	264	10	639	155	2,636	107	30	14
Teaching assistantships	9.7	9.6	10.4	6.7	12.2	8.3	0.0	7.0	3.2	6.9	5.6	0.0	7.1
Research assistantships or traineeships <sup>b</sup>	59.5	60.8	55.3	47.7	68.9	39.8	D	53.2	30.3	48.4	D	56.7	28.6
Fellowships, scholarships, or dissertation grants <sup>c</sup>	20.3	18.5	26.5	31.5	11.4	36.7	60.0	28.2	45.2	30.7	37.4	23.3	57.1
Own resources	4.7	5.0	3.7	7.4	2.6	9.1	D	7.5	14.2	6.8	D	16.7	0.0
Employer	3.0	3.4	1.8	6.3	0.4	5.7	D	3.8	7.1	7.0	D	3.3	7.1
Other	2.7	2.8	2.3	0.3	4.6	0.4	0.0	0.3	0.0	0.4	0.0	0.0	0.0

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Education (number)	4,166	1,335	2,831	3,656	491	293	19	199	527	2,487	82	29	20
Teaching assistantships	10.6	10.5	10.7	10.0	14.9	8.9	D	15.6	7.4	10.4	7.3	D	5.0
Research assistantships or traineeships <sup>b</sup>	16.2	15.5	16.5	14.7	27.3	13.3	D	19.6	12.1	15.2	D	10.3	15.0
Fellowships, scholarships, or dissertation grants <sup>c</sup>	12.7	11.7	13.2	11.3	23.0	14.7	D	22.6	12.3	9.2	D	24.1	20.0
Own resources	47.5	46.2	48.0	51.6	16.5	55.3	52.6	32.2	60.2	51.1	54.9	41.4	40.0
Employer	10.9	12.2	10.3	12.2	1.0	7.8	D	10.1	8.0	14.0	D	D	15.0
Other	2.2	3.9	1.3	0.1	17.3	0.0	0.0	0.0	0.0	0.2	0.0	0.0	5.0
Humanities and arts (number)	4,653	2,285	2,368	3,968	667	283	D	173	136	3,187	113	D	12
Teaching assistantships	37.4	35.1	39.7	37.5	37.5	37.5	38.5	34.1	25.7	38.0	37.2	41.2	66.7
Research assistantships or traineeships <sup>b</sup>	2.5	2.4	2.6	2.5	2.1	D	0.0	D	D	2.7	D	3.9	0.0
Fellowships, scholarships, or dissertation grants <sup>c</sup>	36.5	37.1	35.9	34.8	46.0	39.6	D	D	41.9	33.4	34.5	35.3	25.0
Own resources	20.9	22.1	19.7	D	D	D	D	15.6	27.9	23.3	23.9	D	8.3
Employer	1.9	2.3	1.5	D	D	D	D	0.0	D	2.4	D	0.0	0.0
Other	0.9	1.0	0.7	0.2	4.8	0.4	0.0	0.0	0.0	0.2	0.9	0.0	0.0
Other (number) <sup>e</sup>	2,597	1,203	1,394	1,716	860	119	D	165	213	1,146	50	D	6
Teaching assistantships	22.8	20.6	24.7	20.7	27.1	14.3	0.0	23.0	15.0	22.3	20.0	21.4	16.7
Research assistantships or traineeships <sup>b</sup>	17.2	18.2	16.3	13.8	23.7	10.9	0.0	19.4	6.6	14.5	16.0	14.3	16.7
Fellowships, scholarships, or dissertation grants <sup>c</sup>	24.5	25.9	23.3	21.2	31.6	26.1	D	33.9	16.9	19.3	D	14.3	50.0
Own resources	28.8	26.9	30.4	37.8	10.6	39.5	D	20.0	54.9	37.3	D	35.7	16.7
Employer	4.4	5.5	3.4	6.1	0.9	8.4	D	3.0	6.6	6.1	D	D	0.0
Other	2.3	2.9	1.8	0.5	6.0	0.8	0.0	0.6	0.0	0.5	0.0	0.0	0.0

\* = value &lt; 0.05%; D = suppressed to avoid disclosure of confidential information.

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<sup>a</sup> Includes 164 doctorate recipients with missing citizenship information and 2 who did not report sex.

<sup>b</sup> Includes research assistantships, other assistantships, traineeships, and internships or clinical residencies.

<sup>c</sup> In 2017, survey response option was changed from "grant" to "dissertation grant."

<sup>d</sup> Includes agricultural sciences and natural resources; biological and biomedical sciences; and health sciences.

<sup>e</sup> Includes other non-science and engineering fields not shown separately.

**Note(s)**

Includes only doctorate recipients who reported primary source of support. Due to rounding, percentages may not sum to 100.

**Source(s)**

National Science Foundation, National Center for Science and Engineering Statistics, Survey of Earned Doctorates, 2017.