

TABLE 35

## Doctorate recipients' primary source of financial support, by broad field of study, sex, citizenship status, ethnicity, and race: 2018

(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)	49,005	26,522	22,483	32,726	16,110	2,367	98	3,075	2,213	23,468	1,074	272	159
Teaching assistantships	21.5	21.9	21.1	20.6	23.5	18.3	8.2	18.8	10.8	22.1	19.2	18.4	18.2
Research assistantships or traineeships <sup>b</sup>	33.0	38.0	27.1	26.4	46.4	18.8	D	33.7	15.0	27.5	25.0	D	26.4
Fellowships, scholarships, or dissertation grants	25.3	23.6	27.2	27.8	20.1	37.3	37.8	32.0	27.9	26.0	34.2	26.5	24.5
Own resources	15.2	11.3	19.8	20.7	4.0	21.3	32.7	12.3	41.2	19.8	17.8	30.1	23.3
Employer	2.9	2.7	3.1	4.0	0.6	3.5	D	2.8	4.4	4.2	3.0	D	6.9
Other	2.1	2.5	1.6	0.5	5.4	0.8	0.0	0.4	0.8	0.5	0.9	1.5	0.6
Life sciences (number) <sup>c</sup>	11,581	5,117	6,464	8,441	3,113	621	20	926	539	5,947	280	74	34
Teaching assistantships	13.4	14.4	12.6	12.3	16.1	8.2	D	11.6	5.9	13.5	D	8.1	8.8
Research assistantships or traineeships <sup>b</sup>	35.9	38.4	34.0	32.9	44.2	25.0	25.0	35.3	23.2	34.3	32.1	28.4	29.4
Fellowships, scholarships, or dissertation grants	33.7	33.6	33.9	36.3	26.9	50.6	25.0	40.9	36.5	33.9	40.4	35.1	32.4
Own resources	11.9	8.6	14.5	14.8	3.9	13.0	D	9.3	31.4	14.3	D	25.7	20.6
Employer	2.6	2.1	3.0	3.2	1.0	2.6	0.0	2.6	2.6	3.4	2.1	1.4	8.8
Other	2.5	3.0	2.1	0.5	7.9	0.6	0.0	0.3	0.4	0.6	0.7	1.4	0.0
Physical sciences and earth sciences (number)	5,775	3,832	1,943	3,560	2,201	203	7	340	92	2,786	99	19	14
Teaching assistantships	25.4	25.2	25.7	23.5	28.4	18.2	D	27.4	D	23.3	22.2	21.1	21.4
Research assistantships or traineeships <sup>b</sup>	50.8	53.3	46.0	48.0	55.5	35.5	D	D	25.0	50.0	39.4	52.6	64.3
Fellowships, scholarships, or dissertation grants	18.6	16.0	23.7	22.6	12.1	39.4	D	19.1	44.6	20.9	D	10.5	14.3
Own resources	3.1	3.1	3.1	4.5	0.7	D	0.0	5.0	D	4.4	5.1	10.5	0.0

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		Male	Female	U.S. citizen or permanent resident	Temporary visa holder	Hispanic or Latino	Not Hispanic or Latino						Ethnicity not reported
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Employer	0.9	1.0	0.7	1.3	0.4	D	0.0	D	D	1.4	D	0.0	0.0
Other	1.2	1.4	0.8	0.1	2.9	0.0	0.0	0.3	0.0	*	0.0	5.3	0.0
Mathematics and computer sciences (number)	3,612	2,744	868	1,632	1,961	89	D	220	62	1,176	54	D	11
Teaching assistantships	38.2	37.2	41.1	39.0	37.6	36.0	D	35.0	19.4	41.6	D	31.3	9.1
Research assistantships or traineeships <sup>b</sup>	35.1	36.7	30.0	27.0	41.7	22.5	0.0	33.6	21.0	26.9	20.4	18.8	27.3
Fellowships, scholarships, or dissertation grants	17.3	16.4	20.2	20.2	14.9	27.0	0.0	17.3	40.3	18.2	35.2	31.3	36.4
Own resources	5.1	5.1	5.0	9.0	1.8	6.7	0.0	10.0	D	8.6	D	D	18.2
Employer	2.1	2.4	1.2	4.3	0.3	6.7	D	4.1	D	4.2	D	0.0	0.0
Other	2.3	2.2	2.6	0.6	3.7	1.1	0.0	0.0	0.0	0.6	0.0	0.0	9.1
Psychology and social sciences (number)	7,738	3,186	4,552	6,096	1,619	511	27	437	472	4,322	244	55	28
Teaching assistantships	29.0	31.2	27.4	27.1	35.9	24.5	D	27.7	14.0	28.9	D	36.4	35.7
Research assistantships or traineeships <sup>b</sup>	16.6	15.5	17.4	16.6	17.0	12.7	D	14.9	10.2	18.2	D	9.1	0.0
Fellowships, scholarships, or dissertation grants	27.2	28.3	26.4	25.4	33.9	32.7	40.7	34.1	21.4	23.7	31.6	23.6	25.0
Own resources	23.7	20.5	25.9	28.0	7.2	28.2	33.3	20.1	50.2	26.3	26.6	30.9	35.7
Employer	2.0	2.2	1.8	D	D	D	D	2.5	3.4	2.3	D	0.0	3.6
Other	1.6	2.3	1.1	D	D	D	0.0	0.7	0.8	0.6	1.2	0.0	0.0
Engineering (number)	9,070	6,895	2,175	3,925	5,112	264	6	639	153	2,670	127	41	25
Teaching assistantships	11.3	11.6	10.5	7.8	14.1	6.4	0.0	9.7	7.8	7.7	4.7	2.4	8.0

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## Doctorate recipients' primary source of financial support, by broad field of study, sex, citizenship status, ethnicity, and race: 2018

(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	
Research assistantships or traineeships <sup>b</sup>	58.6	59.6	55.4	48.2	66.7	33.3	D	53.8	33.3	48.9	52.8	D	60.0
Fellowships, scholarships, or dissertation grants	19.9	18.1	25.6	30.8	11.5	44.3	D	27.2	42.5	29.4	D	34.1	20.0
Own resources	4.6	4.7	4.6	7.5	2.4	9.5	D	D	9.8	7.9	D	9.8	8.0
Employer	2.5	2.7	1.9	5.2	0.5	4.9	0.0	D	6.5	5.5	5.5	D	4.0
Other	2.9	3.2	2.0	0.5	4.8	1.5	0.0	0.3	0.0	0.5	0.8	0.0	0.0
Education (number)	4,233	1,298	2,935	3,687	531	284	19	182	518	2,524	114	25	21
Teaching assistantships	11.6	12.9	11.0	10.7	17.7	9.5	0.0	15.4	4.4	11.6	14.0	16.0	14.3
Research assistantships or traineeships <sup>b</sup>	16.4	15.3	16.9	14.8	28.1	11.6	26.3	21.4	10.2	15.5	17.5	8.0	14.3
Fellowships, scholarships, or dissertation grants	13.5	13.3	13.5	11.9	23.7	13.4	36.8	16.5	14.3	10.4	20.2	8.0	19.0
Own resources	45.5	43.0	46.6	49.8	15.8	52.8	36.8	39.6	61.4	48.5	36.8	68.0	28.6
Employer	10.6	11.9	10.0	11.9	1.3	10.6	0.0	5.5	8.5	13.4	9.6	0.0	23.8
Other	2.5	3.5	2.0	0.9	13.4	2.1	0.0	1.6	1.2	0.6	1.8	0.0	0.0
Humanities and arts (number)	4,538	2,244	2,294	3,847	667	324	11	185	188	2,989	112	24	14
Teaching assistantships	40.0	38.3	41.5	39.7	41.2	41.0	D	34.1	D	41.6	31.3	25.0	42.9
Research assistantships or traineeships <sup>b</sup>	1.9	2.0	1.7	1.9	1.6	D	0.0	D	3.2	1.9	D	0.0	7.1
Fellowships, scholarships, or dissertation grants	36.9	36.2	37.5	35.5	45.1	38.3	45.5	47.0	45.2	33.6	44.6	29.2	21.4
Own resources	19.0	20.8	17.3	21.0	7.2	17.9	D	D	26.1	21.0	19.6	41.7	28.6
Employer	1.4	1.4	1.3	D	D	1.5	0.0	D	D	1.6	D	0.0	0.0

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Other	1.0	1.3	0.6	D	D	D	0.0	0.0	2.1	0.3	0.0	4.2	0.0
Other (number) <sup>d</sup>	2,458	1,206	1,252	1,538	906	71	D	146	189	1,054	44	D	12
Teaching assistantships	23.9	22.1	25.6	21.9	27.5	16.9	0.0	19.2	13.8	24.2	25.0	22.2	8.3
Research assistantships or traineeships <sup>b</sup>	17.7	18.6	16.9	13.7	24.5	D	0.0	15.8	6.3	15.4	D	0.0	8.3
Fellowships, scholarships, or dissertation grants	25.1	28.4	21.9	21.3	31.3	25.4	D	42.5	15.3	19.0	D	16.7	25.0
Own resources	27.2	24.0	30.2	36.9	10.5	D	D	D	59.8	34.5	43.2	D	50.0
Employer	3.6	3.9	3.4	5.3	0.8	D	0.0	D	3.7	6.1	0.0	0.0	8.3
Other	2.6	3.0	2.2	0.9	5.4	0.0	0.0	0.0	1.1	0.9	4.5	5.6	0.0

\* = value between 0.00% and 0.05%; D = suppressed to avoid disclosure of confidential information.

<sup>a</sup> Includes doctorate recipients with missing citizenship information and who did not report sex.<sup>b</sup> Includes research assistantships, other assistantships, traineeships, and internships or clinical residencies.<sup>c</sup> Includes agricultural sciences and natural resources; biological and biomedical sciences; and health sciences.<sup>d</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 Center for Science and Engineering Statistics, Survey of Earned Doctorates.