

TABLE 4-2

Research doctorate recipients' sources of financial support, by broad field of doctorate and sex: 2023

(Percent)

Sex and financial resource	All fields	Science and engineering													Non-science and engineering						
		Total	Agricultural sciences and natural resources	Biological and biomedical sciences	Computer and information sciences	Engineering	Geosciences, atmospheric, and ocean sciences	Health sciences	Mathematics and statistics	Multidisciplinary/ interdisciplinary sciences	Physical sciences	Psychology	Social sciences	Total	Business	Education	Humanities	Visual and performing arts	Other non-science and engineering		
All doctorate recipients reporting source of support (number)	51,181	40,949	1,118	8,849	1,998	9,484	1,108	2,367	1,850	1,527	4,901	3,194	4,553	10,232	1,290	3,428	2,893	720	1,901		
Fellowship or scholarship	67.0	66.6	72.1	67.3	74.1	54.8	61.8	74.6	62.7	64.9	62.6	62.7	80.8	68.9	72.6	51.1	83.7	88.8	68.5		
Dissertation grant	18.3	16.1	18.2	15.0	6.8	8.9	17.5	21.0	7.4	13.8	8.5	23.6	41.2	27.2	17.2	14.8	40.8	41.9	30.1		
Assistantship																					
Teaching	68.5	69.3	53.0	56.2	76.3	65.4	78.0	46.3	92.6	70.7	88.4	70.0	82.8	65.5	70.8	38.3	86.2	89.6	70.1		
Research	68.4	74.2	81.2	66.6	84.2	85.0	86.6	52.3	64.4	78.0	88.7	61.7	64.8	45.1	65.0	37.1	39.3	35.3	58.4		
Other	8.3	7.0	7.5	4.1	4.7	5.0	8.0	7.2	5.7	6.3	4.1	20.5	11.6	13.6	8.2	14.4	14.8	14.9	13.4		
Traineeship	4.0	4.8	2.0	11.5	1.5	2.6	1.5	6.5	1.6	2.5	2.0	6.7	2.3	0.8	0.5	0.6	1.0	1.0	1.2		
Internship or clinical residency	12.2	14.3	5.6	4.6	40.8	18.3	10.7	6.0	19.8	24.6	6.5	39.6	5.5	3.8	3.9	2.7	3.9	6.3	4.5		
Loan (any source)	20.4	16.9	17.5	14.6	8.8	9.8	11.7	36.2	7.3	13.3	9.3	45.1	24.7	34.4	18.2	45.0	29.5	32.1	34.7		
Personal sources																					
Savings	53.5	51.0	54.0	52.6	46.6	44.0	49.5	61.7	44.5	51.2	40.6	67.7	60.4	63.7	62.8	67.0	60.1	64.6	63.6		
Other earnings during graduate school	29.9	25.0	29.6	23.0	17.6	15.8	24.0	45.7	19.7	23.2	14.3	46.5	39.2	49.5	24.6	59.1	50.0	57.1	45.5		
Spouse's, partner's, or family's earnings or savings	40.5	38.7	34.7	41.0	32.4	33.3	36.7	45.8	33.0	36.2	30.9	57.7	44.4	47.8	48.2	46.2	49.3	50.7	47.0		
Employer reimbursement or assistance	10.2	8.6	10.5	7.6	10.4	7.3	9.9	21.5	7.3	9.2	5.8	8.4	8.5	16.7	12.2	27.7	9.9	6.0	14.3		
Foreign (non-U.S.) support	4.5	4.3	6.4	3.2	5.5	5.5	5.4	5.2	4.1	5.1	3.0	1.2	5.9	5.0	5.7	3.9	4.8	6.9	6.1		
Other	1.1	1.0	1.2	0.9	1.2	0.5	1.1	2.0	0.6	1.2	0.6	1.8	1.2	1.5	1.6	1.7	1.3	1.8	1.6		
Male doctorate recipients reporting source of support (number)	26,872	22,714	498	4,011	1,502	6,976	610	678	1,325	951	3,227	734	2,202	4,158	711	920	1,470	312	745		
Fellowship or scholarship	64.5	63.3	65.1	69.5	52.6	59.1	71.6	57.8	63.8	59.2	59.4	59.4	80.2	71.4	74.0	48.6	82.4	85.6	69.3		
Dissertation grant	14.6	12.4	15.9	13.2	6.0	8.1	14.8	11.7	7.1	11.1	7.7	17.3	36.7	26.3	14.5	12.2	38.0	31.4	29.9		
Assistantship																					
Teaching	70.7	71.0	48.8	56.8	75.7	65.0	76.1	53.2	92.5	69.9	88.6	71.5	83.2	69.5	70.0	36.0	85.4	88.1	71.0		
Research	72.0	77.0	85.3	66.9	84.7	84.9	85.6	56.2	62.9	79.9	89.0	57.5	63.7	44.3	66.1	33.7	37.7	27.6	56.9		
Other	7.0	6.0	10.0	4.1	4.3	4.9	7.9	7.7	6.0	6.0	4.6	16.6	10.0	12.4	6.6	15.7	12.0	13.1	14.5		
Traineeship	3.2	3.7	1.0	11.0	1.3	2.0	1.1	6.6	1.1	1.7	1.5	6.3	2.2	0.8	0	0.8	0.9	0	0		
Internship or clinical residency	12.7	14.4	4.6	4.3	41.5	18.7	9.7	7.1	18.3	26.1	5.9	31.7	5.8	3.6	3.9	2.1	4.1	3.2	4.0		
Loan (any source)	16.8	13.8	17.7	14.9	8.7	10.5	9.3	29.2	7.0	10.3	9.4	45.9	22.4	33.0	19.4	47.0	29.7	36.5	34.0		
Personal sources																					
Savings	49.9	47.4	53.8	50.3	45.8	43.9	42.6	60.2	44.5	49.8	38.3	65.1	58.4	63.3	63.7	68.2	60.5	64.4	61.7		
Other earnings during graduate school	25.0	20.9	30.1	22.1	17.7	15.6	18.5	35.7	19.6	20.3	13.2	47.0	35.4	47.2	24.9	61.3	49.6	58.3	41.6		
Spouse's, partner's, or family's earnings or savings	35.0	33.4	30.5	35.7	30.4	31.4	33.9	41.2	30.3	32.6	28.6	51.2	39.6	43.8	43.6	38.7	48.5	46.2	40.1		
Employer reimbursement or assistance	9.3	8.2	11.0	7.7	10.7	7.8	10.5	15.6	7.5	8.7	6.3	7.9	8.4	15.1	10.4	29.8	10.3	6.4	14.2		
Foreign (non-U.S.) support	5.1	5.0	8.4	3.4	5.5	6.1	6.4	7.8	4.1	5.7	2.8	1.0	6.6	5.7	5.8	4.7	5.0	6.7	7.8		
Other	1.0	0.9	1.2	0.9	1.2	0.5	1.5	1.6	0.7	1.1	0.4	1.9	1.4	1.8	1.8	1.6	1.6	2.6	2.1		
Female doctorate recipients reporting source of support (number)	24,303	18,229	620	4,837	496	2,508	498	1,689	524	576	1,673	2,459	2,349	6,074	579	2,508	1,423	408	1,156		

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(Percent)

Sex and financial resource	All fields	Science and engineering												Non-science and engineering					
		Total	Agricultural sciences and natural resources	Biological and biomedical sciences	Computer and information sciences	Engineering	Geosciences, atmospheric, and ocean sciences	Health sciences	Mathematics and statistics	Multidisciplinary/ interdisciplinary sciences	Physical sciences	Psychology	Social sciences	Total	Business	Education	Humanities	Visual and performing arts	Other non-science and engineering
Fellowship or scholarship	69.8	70.6	69.0	74.2	61.3	69.4	78.3	60.6	63.7	74.3	69.0	63.7	81.4	67.2	71.0	52.0	84.9	91.2	68.1
Dissertation grant	22.5	20.7	20.0	16.5	9.3	11.2	20.9	24.7	8.0	18.2	10.2	25.5	45.4	27.9	20.6	15.8	43.7	50.0	30.3
Assistantship																			
Teaching	66.1	67.2	56.3	55.6	78.0	66.8	80.3	43.5	92.9	71.9	88.0	69.6	82.5	62.7	71.7	39.2	87.1	90.7	69.5
Research	64.4	70.7	77.9	66.3	82.7	85.1	88.0	50.7	68.3	74.8	88.3	63.0	65.9	45.6	63.7	38.4	41.0	41.2	59.4
Other	9.8	8.3	5.5	4.1	5.8	5.2	8.2	7.0	4.8	6.8	3.2	21.6	13.0	14.4	10.2	14.0	17.6	16.2	12.7
Traineeship	4.9	6.2	2.7	11.9	2.0	4.3	2.0	6.5	2.7	3.8	2.9	6.8	2.3	0.8	D	0.5	1.1	D	D
Internship or clinical residency	11.6	14.2	6.5	4.9	38.7	17.1	12.0	5.6	23.7	22.0	7.7	42.0	5.2	3.9	3.8	3.0	3.7	8.6	4.8
Loan (any source)	24.5	20.9	17.4	14.4	9.1	7.7	14.7	39.0	8.0	18.2	9.1	44.8	26.9	35.4	16.8	44.3	29.2	28.7	35.2
Personal sources																			
Savings	57.5	55.4	54.2	54.4	49.0	44.2	57.8	62.3	44.5	53.5	44.9	68.4	62.2	64.0	61.7	66.5	59.7	64.7	64.8
Other earnings during graduate school	35.4	30.1	29.2	23.7	17.1	16.2	30.7	49.7	20.0	28.0	16.4	46.3	42.8	51.1	24.2	58.3	50.4	56.1	48.0
Spouse's, partner's, or family's earnings or savings	46.6	45.3	38.1	45.5	38.7	38.7	40.2	47.6	40.1	42.2	35.4	59.6	48.9	50.5	53.9	49.0	50.1	54.2	51.4
Employer reimbursement or assistance	11.2	9.1	10.0	7.6	9.5	5.7	9.2	23.8	6.7	10.1	4.9	8.5	8.6	17.8	14.3	27.0	9.3	5.6	14.4
Foreign (non-U.S.) support	3.7	3.5	4.7	3.0	5.2	3.5	4.2	4.2	4.2	4.2	3.3	1.2	5.3	4.5	5.7	3.6	4.5	7.1	5.0
Other	1.2	1.1	1.1	0.9	1.2	0.4	0.6	2.1	0.6	1.6	0.9	1.7	1.0	1.4	1.2	1.7	1.0	1.2	1.3

D = suppressed to avoid disclosure of confidential information.

Note(s):
In this table, a doctorate recipient counts once in each source category from which they received support. Doctorate recipients may indicate multiple sources of support; thus, percentages sum to more than 100. Beginning in 2021, a modified version of the 2020 Classification of Instructional Programs (CIP) codes was used in the survey data collection, and new broad, major, and detailed fields are used in tables reporting data from 2021 to the present; see the field list in table A-4. Therefore, the field of doctorate data prior to 2021 may not be comparable to subsequent years. For more information about the 2021 taxonomy change, see the "Technical Notes."

Source(s):
National Center for Science and Engineering Statistics, Survey of Earned Doctorates.