

Table 4-3

Research doctorate recipients' sources of financial support, by sex and broad field of doctorate: 2022

(Number and percent distribution)

Sex and financial resource	All fields (number)	All fields (percent)	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	51,206	100.0	80.3	2.3	16.8	3.8	18.7	2.1	4.8	3.8	3.1	9.6	6.4	9.0	19.7	2.4	6.5	5.8	1.5	3.6		
Fellowship or scholarship	34,127	100.0	80.0	2.4	18.4	3.0	17.2	2.3	4.3	3.5	2.9	9.1	6.1	10.8	20.0	2.4	4.8	7.3	1.9	3.5		
Dissertation grant	9,225	100.0	70.2	2.4	13.7	1.5	9.0	2.0	5.6	1.7	2.2	4.8	7.6	19.7	29.8	2.3	5.3	13.5	3.6	5.2		
Assistantship																						
Teaching	35,224	100.0	81.5	1.7	13.6	4.3	18.1	2.4	3.2	5.1	3.2	12.4	6.5	10.9	18.5	2.3	3.6	7.2	1.9	3.5		
Research	34,811	100.0	87.3	2.7	16.3	4.8	23.4	2.7	3.6	3.4	3.6	12.6	5.6	8.5	12.7	2.2	3.5	3.3	0.8	2.9		
Other	4,390	100.0	66.4	2.3	8.5	2.1	11.3	1.4	4.4	2.4	2.3	4.1	15.1	12.4	33.6	2.0	12.2	10.8	3.3	5.3		
Traineeship	2,078	100.0	95.4	1.4	49.6	0.8	11.1	1.3	7.9	1.3	1.5	5.4	10.3	4.7	4.6	D	1.4	1.8	D	0.9		
Internship or clinical residency	5,856	100.0	93.0	1.0	6.3	12.8	27.6	1.8	2.5	5.6	5.7	4.6	20.6	4.5	7.0	0.7	2.0	1.9	0.9	1.5		
Loan (any source)	10,616	100.0	65.0	2.0	11.3	1.4	8.5	1.0	8.1	1.4	1.9	4.1	13.8	11.5	35.0	2.5	14.8	8.8	2.5	6.4		
Personal sources																						
Savings	26,174	100.0	75.7	2.3	15.6	3.3	15.3	1.8	5.7	3.1	2.8	6.9	8.4	10.4	24.3	2.9	8.4	6.7	1.8	4.5		
Other earnings during graduate school	14,963	100.0	66.4	2.1	12.0	2.2	10.1	1.4	7.3	2.2	2.4	4.4	10.1	12.3	33.6	2.1	12.8	10.3	2.8	5.5		
Spouse's, partner's, or family's earnings or savings	19,744	100.0	75.9	2.4	16.2	3.0	15.2	1.7	5.4	3.1	2.7	6.9	9.2	10.2	24.1	2.8	7.6	7.4	2.0	4.4		
Employer reimbursement or assistance	5,122	100.0	66.0	2.3	12.6	3.6	13.2	1.8	9.9	2.3	2.7	4.6	5.5	7.6	34.0	3.0	19.2	5.4	0.8	5.6		
Foreign (non-U.S.) support	2,815	100.0	78.5	3.5	12.3	4.9	23.3	2.1	4.7	3.8	3.9	5.4	2.9	11.7	21.5	3.1	4.7	6.5	2.6	4.7		
Other	533	100.0	71.3	1.9	14.1	2.6	11.6	0.8	8.1	2.1	1.9	6.0	11.3	11.1	28.7	3.9	10.3	7.7	1.5	5.3		
Male doctorate recipients reporting source of support	27,170	100.0	84.7	2.1	14.7	5.5	25.7	2.1	2.8	5.0	3.7	12.2	3.0	8.0	15.3	2.5	3.6	5.4	1.2	2.6		
Fellowship or scholarship	17,521	100.0	83.4	2.1	16.1	4.3	23.3	2.3	2.5	4.9	3.5	11.5	2.9	9.9	16.6	2.7	2.7	7.0	1.6	2.7		
Dissertation grant	3,914	100.0	72.3	2.4	13.2	2.4	14.1	2.2	2.9	2.9	2.4	7.1	3.9	18.9	27.7	2.7	3.5	14.3	3.1	4.2		
Assistantship																						
Teaching	19,188	100.0	85.4	1.4	11.5	6.0	23.8	2.3	1.9	6.7	3.8	15.2	3.1	9.5	14.6	2.4	2.0	6.3	1.5	2.5		
Research	19,488	100.0	90.9	2.5	13.5	6.5	30.4	2.5	2.2	4.2	4.2	15.1	2.6	7.2	9.1	2.2	1.8	2.7	0.5	2.0		
Other	1,943	100.0	72.4	2.9	8.4	3.2	19.3	1.4	3.0	3.9	3.0	6.2	8.5	12.6	27.6	2.7	7.8	10.1	2.7	4.3		
Traineeship	896	100.0	96.1	1.3	48.7	1.2	15.4	1.6	5.9	1.7	1.3	6.7	6.6	5.7	3.9	D	D	2.3	0.0	0.7		
Internship or clinical residency	3,202	100.0	95.0	0.7	4.7	17.9	37.0	1.7	1.9	6.7	7.4	5.6	7.7	3.8	5.0	0.8	0.9	1.5	0.5	1.2		
Loan (any source)	4,570	100.0	68.7	2.1	12.6	2.4	15.0	1.1	4.7	2.6	2.5	6.5	7.9	11.3	31.3	2.9	9.9	10.6	2.7	5.2		
Personal sources																						
Savings	12,914	100.0	79.9	2.3	14.1	5.1	22.5	1.9	3.3	4.5	3.5	9.0	4.0	9.7	20.1	3.3	5.1	6.7	1.6	3.4		
Other earnings during graduate school	6,629	100.0	70.5	2.3	12.0	3.7	16.4	1.4	4.1	3.7	3.1	6.4	5.6	11.8	29.5	2.5	8.4	11.4	2.8	4.4		
Spouse's, partner's, or family's earnings or savings	8,951	100.0	79.6	2.4	14.4	4.7	22.8	1.7	2.7	4.4	3.3	9.7	4.2	9.5	20.4	3.0	4.2	7.9	1.8	3.5		
Employer reimbursement or assistance	2,525	100.0	73.2	2.2	12.7	5.5	21.3	2.3	4.8	3.2	3.8	6.8	2.9	7.8	26.8	3.5	11.7	6.2	1.0	4.4		
Foreign (non-U.S.) support	1,665	100.0	82.1	3.2	10.6	6.1	31.1	1.9	2.9	3.8	3.9	6.4	1.1	11.1	17.9	3.0	3.2	6.2	1.7	3.7		
Other	270	100.0	70.0	1.5	11.5	3.7	17.8	1.5	4.8	3.0	1.9	7.0	6.7	10.7	30.0	5.6	7.8	10.7	1.1	4.8		
Female doctorate recipients reporting source of support	24,031	100.0	75.3	2.5	19.2	1.9	10.9	2.1	7.0	2.3	2.4	6.7	10.2	10.1	24.7	2.2	9.8	6.2	1.8	4.7		

Table 4-3

Research doctorate recipients' sources of financial support, by sex and broad field of doctorate: 2022

(Number and percent distribution)

Sex and financial resource	All fields (number)	All fields (percent)	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	16,601	100.0	76.5	2.6	20.9	1.7	10.7	2.4	6.1	2.1	2.4	6.5	9.4	11.9	23.5	2.2	7.0	7.6	2.3	4.4
Dissertation grant	5,309	100.0	68.6	2.4	14.1	0.9	5.2	1.8	7.7	0.8	2.1	3.1	10.3	20.2	31.4	1.9	6.7	12.9	4.0	5.9
Assistantship																				
Teaching	16,032	100.0	76.7	2.0	16.1	2.3	11.3	2.5	4.7	3.2	2.6	9.0	10.6	12.5	23.3	2.3	5.7	8.3	2.4	4.7
Research	15,320	100.0	82.8	3.1	19.8	2.6	14.6	2.9	5.5	2.4	2.9	9.5	9.4	10.2	17.2	2.3	5.7	4.0	1.1	4.1
Other	2,446	100.0	61.6	1.9	8.6	1.1	5.0	1.4	5.5	1.2	1.7	2.4	20.4	12.3	38.4	1.4	15.8	11.4	3.8	6.1
Traineeship	1,181	100.0	95.0	1.4	50.4	0.4	7.8	1.1	9.5	1.0	1.7	4.5	13.2	4.0	5.0	D	D	1.3	D	1.1
Internship or clinical residency	2,653	100.0	90.6	1.4	8.3	6.7	16.4	2.0	3.2	4.3	3.6	3.4	36.1	5.2	9.4	0.6	3.2	2.2	1.5	1.8
Loan (any source)	6,041	100.0	62.2	1.9	10.4	0.6	3.5	1.0	10.7	0.4	1.6	2.3	18.3	11.6	37.8	2.2	18.5	7.5	2.4	7.3
Personal sources																				
Savings	13,255	100.0	71.6	2.3	17.0	1.5	8.3	1.7	8.1	1.8	2.2	4.8	12.7	11.1	28.4	2.5	11.6	6.8	2.1	5.4
Other earnings during graduate school	8,329	100.0	63.1	1.8	11.9	1.0	5.1	1.4	9.8	1.1	1.8	2.9	13.6	12.6	36.9	1.8	16.4	9.4	2.9	6.4
Spouse's, partner's, or family's earnings or savings	10,789	100.0	72.8	2.4	17.7	1.7	8.9	1.7	7.6	1.9	2.3	4.6	13.4	10.7	27.2	2.6	10.4	6.9	2.2	5.2
Employer reimbursement or assistance	2,596	100.0	59.1	2.5	12.6	1.7	5.3	1.4	14.8	1.5	1.5	2.4	8.0	7.4	40.9	2.4	26.4	4.7	0.7	6.7
Foreign (non-U.S.) support	1,149	100.0	73.4	4.0	14.7	3.2	12.1	2.3	7.3	3.7	3.9	4.0	5.6	12.5	26.6	3.2	6.8	6.7	3.7	6.2
Other	263	100.0	72.6	2.3	16.7	1.5	5.3	0.0	11.4	1.1	1.9	4.9	16.0	11.4	27.4	2.3	12.9	4.6	1.9	5.7

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, see the "Technical Notes" and the SED 2021 Taxonomy Changes Working Paper (available at <https://nces.nsf.gov/pubs/nces23200>).

Source(s):

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