

TABLE 4-3  
Research doctorate recipients' sources of financial support, by sex and broad field of doctorate: 2023  
(Percent)

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	51,181	100.0	80.0	2.2	17.3	3.9	18.5	2.2	4.6	3.6	3.0	9.6	6.2	8.9	20.0	2.5	6.7	5.7	1.4	3.7		
Fellowship or scholarship	34,305	100.0	79.4	2.2	18.6	3.2	17.1	2.4	4.1	3.4	2.9	8.9	5.8	10.7	20.6	2.7	5.1	7.1	1.9	3.8		
Dissertation grant	9,385	100.0	70.3	2.2	14.2	1.4	9.0	2.1	5.3	1.4	2.2	4.5	8.0	20.0	29.7	2.4	5.4	12.6	3.2	6.1		
Assistantship																						
Teaching	35,082	100.0	80.9	1.7	14.2	4.3	17.7	2.5	3.1	4.9	3.1	12.3	6.4	10.8	19.1	2.6	3.7	7.1	1.8	3.8		
Research	35,008	100.0	86.8	2.6	16.8	4.8	23.0	2.7	3.5	3.4	3.4	12.4	5.6	8.4	13.2	2.4	3.6	3.3	0.7	3.2		
Other	4,250	100.0	67.3	2.0	8.5	2.2	11.2	2.1	4.0	2.5	2.3	4.8	15.4	12.4	32.7	2.5	11.6	10.0	2.5	6.0		
Traineeship	2,053	100.0	95.9	1.1	49.6	1.4	12.0	0.8	7.5	1.4	1.9	4.8	10.4	5.1	4.1	0.3	1.0	1.4	0.3	1.1		
Internship or clinical residency	6,245	100.0	93.8	1.0	6.5	13.1	27.8	1.9	2.3	5.9	6.0	5.1	20.3	4.0	6.2	0.8	1.5	1.8	0.7	1.4		
Loan (any source)	10,459	100.0	66.3	1.9	12.4	1.7	8.9	1.2	8.2	1.3	1.9	4.4	13.8	10.7	33.7	2.2	14.8	8.1	2.2	6.3		
Personal sources																						
Savings	27,389	100.0	76.2	2.2	17.0	3.4	15.2	2.0	5.3	3.0	2.9	7.3	7.9	10.0	23.8	3.0	8.4	6.3	1.7	4.4		
Other earnings during graduate school	15,317	100.0	66.9	2.2	13.3	2.3	9.8	1.7	7.1	2.4	2.3	4.6	9.7	11.7	33.1	2.1	13.2	9.4	2.7	5.6		
Spouse's, partner's, or family's earnings or savings	20,751	100.0	76.4	1.9	17.5	3.1	15.2	2.0	5.2	2.9	2.7	7.3	8.9	9.7	23.6	3.0	7.6	6.9	1.8	4.3		
Employer reimbursement or assistance	5,229	100.0	67.4	2.2	12.9	4.0	13.2	2.1	9.7	2.6	2.7	5.4	5.1	7.4	32.6	3.0	18.2	5.5	0.8	5.2		
Foreign (non-U.S.) support	2,280	100.0	77.5	3.1	12.3	4.8	22.7	2.6	5.4	3.3	3.4	6.4	1.6	11.8	22.5	3.2	5.9	6.1	2.2	5.1		
Other	553	100.0	71.4	2.4	14.3	4.3	8.7	2.2	8.5	2.2	3.4	5.2	10.3	9.9	28.6	3.6	10.3	6.7	2.4	5.6		
Male doctorate recipients reporting source of support	26,872	100.0	84.5	1.9	14.9	5.6	26.0	2.3	2.5	4.9	3.5	12.0	2.7	8.2	15.5	2.6	3.4	5.5	1.2	2.8		
Fellowship or scholarship	17,345	100.0	82.9	1.9	16.1	4.6	23.8	2.5	2.3	4.9	3.2	11.0	2.5	10.2	17.1	3.0	2.6	7.0	1.5	3.0		
Dissertation grant	3,910	100.0	72.0	2.0	13.5	2.3	14.5	2.3	2.0	2.4	2.7	6.3	3.2	20.7	28.0	2.6	2.9	14.3	2.5	5.7		
Assistantship																						
Teaching	19,010	100.0	84.8	1.3	12.0	6.0	23.8	2.4	1.9	6.4	3.5	15.0	2.8	9.6	15.2	2.6	1.7	6.6	1.4	2.8		
Research	19,341	100.0	90.5	2.2	13.9	6.6	30.6	2.7	2.0	4.3	3.9	14.8	2.2	7.2	9.5	2.4	1.6	2.9	0.4	2.2		
Other	1,870	100.0	72.4	2.7	8.7	3.5	18.4	2.6	2.8	4.3	3.0	8.0	6.5	11.8	27.6	2.5	7.7	9.5	2.2	5.8		
Traineeship	865	100.0	96.2	0.6	51.1	2.2	16.0	0.8	5.2	1.7	1.8	5.8	5.3	5.7	3.8	D	0.8	1.5	D	D		
Internship or clinical residency	3,416	100.0	95.7	0.7	5.0	18.3	38.1	1.7	1.4	7.1	7.3	5.5	6.8	3.7	4.3	0.8	0.6	1.8	0.3	0.9		
Loan (any source)	4,503	100.0	69.5	2.0	13.3	2.9	16.3	1.3	4.4	2.1	2.2	6.7	7.5	10.9	30.5	3.1	9.6	9.7	2.5	5.6		
Personal sources																						
Savings	13,400	100.0	80.4	2.0	15.1	5.1	22.9	1.9	3.0	4.4	3.5	9.2	3.6	9.6	19.6	3.4	4.7	6.6	1.5	3.4		
Other earnings during graduate school	6,715	100.0	70.8	2.2	13.2	4.0	16.2	1.7	3.6	3.9	2.9	6.4	5.1	11.6	29.2	2.6	8.4	10.9	2.7	4.6		
Spouse's, partner's, or family's earnings or savings	9,418	100.0	80.7	1.6	15.2	4.8	23.2	2.2	3.0	4.3	3.3	9.8	4.0	9.3	19.3	3.3	3.8	7.6	1.5	3.2		
Employer reimbursement or assistance	2,494	100.0	74.9	2.2	12.4	6.5	21.9	2.6	4.3	4.0	3.3	8.1	2.3	7.4	25.1	3.0	11.0	6.1	0.8	4.3		
Foreign (non-U.S.) support	1,370	100.0	82.7	3.1	10.1	6.1	31.2	2.8	3.9	3.9	3.9	6.6	0.5	10.6	17.3	3.0	3.1	5.4	1.5	4.2		
Other	271	100.0	72.3	2.2	13.3	6.6	14.0	3.3	4.1	3.3	3.7	5.2	5.2	11.4	27.7	4.8	5.5	8.5	3.0	5.9		
Female doctorate recipients reporting source of support	24,303	100.0	75.0	2.6	19.9	2.0	10.3	2.0	6.9	2.2	2.4	6.9	10.1	9.7	25.0	2.4	10.3	5.9	1.7	4.8		

TABLE 4-3

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

(Percent)

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	16,956	100.0	75.9	2.5	21.2	1.8	10.3	2.3	6.0	2.0	2.5	6.8	9.2	11.3	24.1	2.4	7.7	7.1	2.2	4.6
Dissertation grant	5,474	100.0	69.1	2.3	14.6	0.8	5.1	1.9	7.6	0.8	1.9	3.1	11.5	19.5	30.9	2.2	7.3	11.4	3.7	6.4
Assistantship																				
Teaching	16,066	100.0	76.3	2.2	16.7	2.4	10.4	2.5	4.6	3.0	2.6	9.2	10.6	12.1	23.7	2.6	6.1	7.7	2.3	5.0
Research	15,662	100.0	82.3	3.1	20.5	2.6	13.6	2.8	5.5	2.3	2.8	9.4	9.9	9.9	17.7	2.4	6.1	3.7	1.1	4.4
Other	2,380	100.0	63.3	1.4	8.4	1.2	5.5	1.7	5.0	1.1	1.6	2.2	22.4	12.8	36.7	2.5	14.7	10.5	2.8	6.2
Traineeship	1,188	100.0	95.7	1.4	48.6	0.8	9.1	0.8	9.2	1.2	1.9	4.0	14.1	4.6	4.3	D	1.1	1.3	D	D
Internship or clinical residency	2,829	100.0	91.6	1.4	8.4	6.8	15.2	2.1	3.4	4.4	4.5	4.5	36.5	4.3	8.4	0.8	2.6	1.9	1.2	1.9
Loan (any source)	5,955	100.0	63.9	1.8	11.7	0.8	3.3	1.2	11.1	0.7	1.8	2.6	18.5	10.6	36.1	1.6	18.7	7.0	2.0	6.8
Personal sources																				
Savings	13,984	100.0	72.2	2.4	18.8	1.7	7.9	2.1	7.5	1.7	2.2	5.4	12.0	10.4	27.8	2.6	11.9	6.1	1.9	5.4
Other earnings during graduate school	8,599	100.0	63.9	2.1	13.3	1.0	4.7	1.8	9.8	1.2	1.9	3.2	13.2	11.7	36.1	1.6	17.0	8.3	2.7	6.5
Spouse's, partner's, or family's earnings or savings	11,330	100.0	72.9	2.1	19.4	1.7	8.6	1.8	7.1	1.9	2.1	5.2	12.9	10.1	27.1	2.8	10.8	6.3	2.0	5.2
Employer reimbursement or assistance	2,734	100.0	60.5	2.3	13.4	1.7	5.2	1.7	14.7	1.3	2.1	3.0	7.7	7.4	39.5	3.0	24.7	4.9	0.8	6.1
Foreign (non-U.S.) support	910	100.0	69.8	3.2	15.7	2.9	9.8	2.3	7.8	2.4	2.6	6.2	3.3	13.6	30.2	3.6	10.0	7.0	3.2	6.4
Other	282	100.0	70.6	2.5	15.2	2.1	3.5	1.1	12.8	1.1	3.2	5.3	15.2	8.5	29.4	2.5	14.9	5.0	1.8	5.3

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.