

Table 4-2. Research doctorate recipients' sources of financial support, by broad field of doctorate and sex: 2024

(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)	51,474	41,378	1,182	8,961	2,220	9,310	1,106	2,478	1,805	1,484	4,886	3,294	4,652	10,096	1,149	3,404	2,869	767	1,907
Fellowship or scholarship	67.1	66.8	67.3	72.7	57.0	62.4	77.0	61.3	64.9	65.3	61.4	61.2	80.2	68.1	68.4	49.6	83.9	90.1	68.5
Dissertation grant	18.7	16.4	17.7	15.1	8.2	9.2	17.0	22.7	9.4	16.9	8.6	23.1	39.3	28.3	17.2	15.6	43.4	42.9	28.8
Assistantship																			
Teaching	67.9	68.9	53.0	54.2	77.0	65.7	77.8	46.8	93.1	71.0	88.5	69.9	82.2	63.6	65.6	36.8	85.0	88.7	67.9
Research	68.6	74.5	82.2	66.2	85.1	85.5	84.8	54.1	64.1	78.3	89.7	62.4	64.9	44.4	62.3	37.1	40.1	37.3	55.8
Other	8.2	6.8	7.1	4.1	4.9	4.8	6.3	7.5	5.7	7.4	3.4	19.4	11.7	13.7	7.4	15.6	13.7	16.7	13.0
Traineeship	4.1	4.9	1.7	11.7	0.8	2.7	2.4	7.2	1.7	2.7	1.7	6.6	2.4	1.0	0.5	1.0	0.9	0.7	1.3
Internship or clinical residency	12.6	14.7	4.8	5.1	41.6	19.1	9.4	6.7	17.5	25.6	6.9	38.4	6.2	4.4	3.9	3.3	4.6	5.9	5.8
Loan (any source)	20.4	16.8	16.9	14.6	8.5	9.2	12.4	35.3	7.3	14.2	9.4	44.9	23.5	35.4	23.1	45.0	28.9	34.6	36.1
Personal sources																			
Savings	54.2	51.9	54.3	52.9	45.1	45.5	52.2	63.0	43.3	50.3	42.4	69.5	60.9	63.5	63.4	65.9	60.6	63.6	63.8
Other earnings during graduate school	30.3	25.7	30.2	24.2	17.9	16.6	23.4	46.4	19.0	25.9	13.8	46.0	39.1	49.5	27.3	57.3	50.9	57.6	43.6
Spouse's, partner's, or family's earnings or savings	41.1	39.8	38.4	42.5	31.8	33.7	34.7	46.9	35.5	38.9	32.4	56.5	45.9	46.8	46.1	46.2	46.9	51.0	46.7
Employer reimbursement or assistance	10.8	9.1	11.3	8.4	9.8	7.6	9.9	19.9	7.6	10.8	6.8	8.4	9.5	17.7	14.0	29.1	10.7	5.0	15.5
Foreign (non-U.S.) support	5.0	4.9	9.2	3.3	6.7	6.4	3.3	5.6	4.2	6.0	2.8	1.7	7.2	5.6	7.0	4.2	5.6	7.4	6.4
Other	1.4	1.2	1.6	1.3	0.7	0.7	1.8	2.1	1.1	1.5	0.6	1.9	1.9	2.2	1.9	2.4	2.1	2.1	2.3
Male doctorate recipients reporting source of support (number)	26,465	22,506	544	3,924	1,645	6,716	553	748	1,250	908	3,223	803	2,192	3,959	614	908	1,394	332	711
Fellowship or scholarship	64.7	63.9	64.9	71.2	55.7	59.9	71.8	57.0	63.5	61.9	59.0	60.9	78.3	69.7	68.9	44.9	81.6	87.3	70.6
Dissertation grant	15.3	13.1	16.2	13.6	7.9	8.4	14.6	18.4	9.2	13.1	7.9	20.9	34.9	27.8	14.3	13.8	41.1	32.2	29.3
Assistantship																			
Teaching	70.0	70.6	49.3	54.5	76.6	65.5	73.6	50.5	92.7	71.0	88.6	72.5	81.5	67.0	64.7	35.2	83.0	90.1	67.5
Research	72.2	77.3	83.3	66.0	85.3	85.4	83.4	58.4	63.6	81.6	89.9	63.8	62.4	43.3	62.7	33.9	38.6	29.2	54.4
Other	6.6	5.5	8.6	3.7	4.3	4.5	5.6	6.1	5.9	6.7	3.4	15.6	10.7	12.9	8.0	15.2	13.2	12.7	13.5
Traineeship	3.1	3.5	1.5	10.8	0.7	2.1	2.0	6.8	1.6	1.8	1.1	3.7	2.0	1.0	D	0.8	1.1	D	D
Internship or clinical residency	13.4	15.1	3.5	4.4	42.9	19.2	9.9	7.4	17.0	31.1	6.7	31.0	6.3	4.1	4.2	3.7	3.9	3.6	4.9
Loan (any source)	16.5	13.5	16.0	14.4	7.9	9.7	12.1	28.3	7.6	11.8	9.6	45.2	21.0	33.0	23.1	43.8	29.0	37.0	33.8
Personal sources																			
Savings	50.7	48.4	52.9	50.8	43.6	45.2	49.0	58.3	43.4	48.2	40.5	67.6	60.0	63.6	65.5	66.4	60.6	63.3	64.6
Other earnings during graduate school	25.2	21.4	30.0	22.5	16.9	16.4	20.6	36.1	18.1	23.2	13.2	46.1	35.2	47.0	28.7	55.6	50.1	57.5	40.5
Spouse's, partner's, or family's earnings or savings	35.2	34.0	32.9	36.9	28.9	31.4	31.8	35.7	32.5	35.2	30.4	46.2	41.7	42.2	41.2	36.8	45.4	47.6	40.9

Table 4-2. Research doctorate recipients' sources of financial support, by broad field of doctorate and sex: 2024

(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	
Employer reimbursement or assistance	10.0	8.8	11.4	8.7	10.1	8.0	11.9	16.2	7.3	10.2	7.1	9.0	9.4	16.6	15.1	30.7	12.0	4.5	14.3	
Foreign (non-U.S.) support	5.9	5.8	11.0	3.8	6.9	7.3	4.2	6.1	4.2	5.8	3.0	1.7	9.0	6.9	8.3	5.1	6.4	8.1	8.6	
Other	1.2	1.0	1.7	1.1	0.5	0.7	1.6	1.7	1.1	1.3	0.7	1.7	1.8	2.3	1.8	3.5	2.0	1.2	2.5	
Female doctorate recipients reporting source of support (number)	25,009	18,872	638	5,037	575	2,594	553	1,730	555	576	1,663	2,491	2,460	6,137	535	2,496	1,475	435	1,196	
Fellowship or scholarship	69.6	70.3	69.4	73.8	60.9	68.9	82.3	63.2	67.9	70.7	66.1	61.3	82.0	67.1	67.9	51.3	86.0	92.2	67.2	
Dissertation grant	22.3	20.2	19.0	16.2	8.9	11.2	19.3	24.6	9.7	22.9	10.0	23.8	43.1	28.6	20.6	16.3	45.6	51.0	28.6	
Assistantship																				
Teaching	65.6	67.0	56.1	54.0	78.1	66.3	82.1	45.2	94.1	70.8	88.2	69.1	82.9	61.4	66.7	37.4	86.8	87.6	68.1	
Research	64.7	71.1	81.3	66.4	84.5	85.6	86.3	52.3	65.2	73.1	89.2	61.9	67.2	45.1	61.9	38.3	41.5	43.4	56.6	
Other	9.8	8.4	5.8	4.4	6.4	5.5	7.1	8.1	5.2	8.5	3.5	20.7	12.5	14.3	6.7	15.7	14.1	19.8	12.7	
Traineeship	5.2	6.6	1.9	12.4	1.2	4.2	2.9	7.4	2.0	4.2	3.0	7.6	2.8	0.9	D	1.1	0.7	D	D	
Internship or clinical residency	11.8	14.2	6.0	5.6	37.7	18.8	8.9	6.4	18.7	17.0	7.1	40.8	6.1	4.7	3.6	3.2	5.4	7.6	6.4	
Loan (any source)	24.6	20.6	17.7	14.7	10.1	8.0	12.7	38.3	6.5	18.1	9.0	44.8	25.8	37.0	23.0	45.4	28.7	32.6	37.5	
Personal sources																				
Savings	58.0	56.2	55.5	54.5	49.2	46.3	55.3	65.1	43.2	53.5	46.2	70.1	61.7	63.5	60.9	65.7	60.6	63.9	63.3	
Other earnings during graduate school	35.8	30.8	30.4	25.6	20.7	17.3	26.2	50.9	21.1	30.2	14.9	45.9	42.6	51.1	25.8	57.9	51.7	57.7	45.5	
Spouse's, partner's, or family's earnings or savings	47.4	46.7	43.1	46.9	40.0	39.7	37.6	51.8	42.2	44.8	36.2	59.9	49.6	49.8	51.8	49.6	48.3	53.6	50.1	
Employer reimbursement or assistance	11.6	9.4	11.3	8.1	9.0	6.4	8.0	21.6	8.3	11.6	6.3	8.2	9.6	18.5	12.7	28.6	9.4	5.3	16.1	
Foreign (non-U.S.) support	4.0	3.8	7.7	2.9	6.1	4.1	2.5	5.3	4.3	6.3	2.5	1.6	5.5	4.7	5.4	3.8	4.9	6.9	5.2	
Other	1.7	1.5	1.6	1.5	1.2	0.7	2.0	2.3	1.1	1.9	0.4	2.0	2.1	2.2	2.1	2.0	2.2	2.8	2.2	

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.