

**Table 4-6. U.S. citizen and permanent resident research doctorate recipients with graduate education-related debt, by ethnicity, race, and broad field of doctorate: 2024**

(Number and percent)

Ethnicity, race, and debt level	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
U.S. citizens and permanent residents reporting graduate debt																			
Total (number) <sup>a</sup>	33,884	26,060	692	6,774	895	4,375	780	1,937	875	784	2,945	3,042	2,961	7,824	580	2,977	2,269	610	1,388
Debt > \$30,000 (%)	19.6	16.0	14.5	10.5	9.7	6.0	7.7	34.8	7.1	14.7	6.0	38.5	25.0	31.6	30.5	35.7	24.0	28.7	37.1
Debt > \$70,000 (%)	11.6	9.3	7.9	5.3	5.7	2.1	4.1	20.5	3.4	8.7	2.5	26.7	15.2	19.2	20.2	21.9	13.7	15.2	23.8
Hispanic or Latino																			
Total (number) <sup>a</sup>	3,448	2,696	54	819	59	367	73	162	60	79	311	385	327	752	40	312	231	51	118
Debt > \$30,000 (%)	24.0	19.5	D	11.1	22.0	6.0	D	40.7	10.0	21.5	10.6	44.4	30.6	39.8	62.5	43.9	33.3	37.3	34.7
Debt > \$70,000 (%)	13.8	11.1	D	D	8.5	2.2	D	24.7	D	12.7	3.5	31.4	14.7	23.3	D	27.6	17.3	D	24.6
Not Hispanic or Latino																			
American Indian or Alaska Native																			
Total (number) <sup>a</sup>	102	64	D	12	D	7	D	8	D	D	D	8	15	38	D	23	D	D	D
Debt > \$30,000 (%)	37.3	31.3	D	D	D	0.0	D	D	0.0	D	0.0	D	D	47.4	D	43.5	D	D	D
Debt > \$70,000 (%)	24.5	21.9	D	D	D	0.0	D	D	0.0	D	0.0	D	D	28.9	D	D	0.0	D	D
Asian																			
Total (number) <sup>a</sup>	3,824	3,319	D	957	D	745	D	187	D	D	D	233	282	505	103	160	106	39	97
Debt > \$30,000 (%)	8.3	7.2	D	D	D	4.8	D	D	D	D	3.3	D	11.7	15.4	D	21.9	16.0	D	15.5
Debt > \$70,000 (%)	4.3	3.5	D	2.4	D	D	D	D	D	D	D	D	6.4	9.3	D	13.1	9.4	0.0	D
Black or African American																			
Total (number) <sup>a</sup>	2,744	1,730	36	317	54	211	22	291	31	51	92	324	301	1,014	90	529	127	24	244
Debt > \$30,000 (%)	51.0	45.3	47.2	26.2	27.8	20.4	D	64.9	D	43.1	18.5	70.4	D	60.7	61.1	62.6	44.1	37.5	67.6
Debt > \$70,000 (%)	35.0	30.6	D	15.8	16.7	10.0	D	44.7	D	23.5	9.8	52.2	D	42.5	43.3	D	25.2	D	50.8
White																			
Total (number) <sup>a</sup>	21,818	16,719	525	4,264	508	2,771	586	1,189	600	490	2,018	1,906	1,862	5,099	313	1,822	1,678	447	839
Debt > \$30,000 (%)	16.9	14.0	13.7	10.1	8.5	5.4	8.4	29.4	6.8	12.7	5.2	33.7	21.5	26.4	25.9	27.8	22.1	29.5	30.3
Debt > \$70,000 (%)	9.5	7.9	7.4	5.0	5.3	1.7	4.1	15.9	2.8	8.4	2.2	22.9	12.7	15.0	16.9	15.1	12.8	17.4	17.3
More than one race																			
Total (number) <sup>a</sup>	1,355	1,071	12	294	41	184	37	58	33	31	115	143	123	284	13	97	79	30	65
Debt > \$30,000 (%)	19.3	15.7	D	10.9	17.1	2.7	D	37.9	21.2	D	6.1	37.1	22.8	32.7	D	36.1	D	30.0	43.1
Debt > \$70,000 (%)	11.5	9.4	D	5.4	D	D	0.0	19.0	D	D	D	25.2	16.3	19.4	D	25.8	D	D	20.0
Other race or race not reported																			
Total (number) <sup>a</sup>	425	329	9	82	23	59	2	33	14	11	29	31	36	96	D	23	D	D	D
Debt > \$30,000 (%)	16.7	16.1	11.1	20.7	0.0	8.5	0.0	21.2	0.0	0.0	3.4	41.9	25.0	18.8	D	21.7	D	D	D
Debt > \$70,000 (%)	10.8	9.7	11.1	9.8	0.0	1.7	0.0	18.2	0.0	0.0	0.0	32.3	16.7	14.6	D	13.0	D	D	D
Ethnicity not reported																			

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		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
Total (number) <sup>a</sup>	168	132	4	29	6	31	3	9	5	5	13	12	15	36	4	11	13	4	4
Debt > \$30,000 (%)	17.3	16.7	0.0	17.2	16.7	3.2	0.0	22.2	0.0	0.0	7.7	58.3	33.3	19.4	50.0	18.2	7.7	25.0	25.0
Debt > \$70,000 (%)	11.3	11.4	0.0	6.9	16.7	3.2	0.0	11.1	0.0	0.0	7.7	41.7	26.7	11.1	50.0	18.2	0.0	0.0	0.0

D = suppressed to avoid disclosure of confidential information.

<sup>a</sup> Total includes all doctorate recipients who responded to the graduate school debt question, even if they reported they had no debt.**Note(s):**

Percentages were calculated based on the number of cases in each category. 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.