

Table 5-2. Research doctorate recipients who earned a bachelor's degree related to doctorate, by sex, citizenship status, ethnicity, race, and broad field of doctorate: 2025

(Percent)

Demographic characteristic	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
Doctorate recipients reporting bachelor's degree	98.7	98.6	96.4	98.4	98.9	99.1	99.5	96.7	98.4	99.0	99.0	99.2	98.8	98.8	98.1	99.1	98.8	98.3	99.0
Bachelor's degree in the same field as doctorate	60.6	64.2	49.7	65.0	38.8	78.6	52.6	46.2	80.0	12.9	77.9	70.5	54.7	45.8	42.0	26.3	69.9	67.1	39.2
Sex																			
Male	63.0	65.4	52.2	62.4	39.2	80.0	52.4	37.1	80.5	13.2	78.2	67.9	57.9	49.1	40.8	25.9	68.7	69.9	39.1
Female	58.1	62.7	47.5	66.9	37.4	75.0	52.7	50.0	78.8	12.3	77.2	71.2	52.0	43.6	43.6	26.5	71.0	64.9	39.3
Citizenship status																			
U.S. citizen or permanent resident	60.9	65.6	44.3	69.6	42.6	80.0	51.7	44.5	81.9	13.6	78.8	72.4	54.0	44.9	40.5	24.9	71.3	68.2	37.5
Temporary visa holder	60.6	62.2	58.0	51.2	36.5	77.8	55.2	53.1	78.6	12.5	77.2	56.4	56.6	49.9	44.0	36.5	66.4	64.7	44.3
Ethnicity or race (U.S. citizens and permanent residents)																			
Hispanic or Latino	60.7	66.3	46.2	69.2	48.1	79.7	53.9	31.3	83.5	11.1	79.5	74.9	58.8	42.0	38.5	20.6	66.1	74.1	37.5
Not Hispanic or Latino																			
American Indian or Alaska Native	52.7	60.7	D	88.9	-	63.6	D	71.4	-	0.0	D	D	57.1	37.5	D	D	75.0	0.0	D
Asian	59.5	62.4	28.6	66.5	32.4	81.5	D	40.2	75.0	16.8	74.1	D	50.2	40.4	34.6	19.5	61.8	72.1	39.8
Black or African American	47.1	56.7	D	64.7	29.7	72.1	54.2	48.8	D	D	79.2	65.6	42.2	31.9	D	22.1	57.7	42.5	D
White	63.1	67.3	D	70.7	47.3	80.5	53.2	46.3	D	13.6	79.5	73.5	56.2	49.0	41.1	27.8	73.7	70.6	37.7
More than one race	64.6	68.8	36.4	71.2	46.9	80.2	55.8	47.0	82.2	D	D	79.2	59.6	45.8	D	D	82.6	70.6	36.4
Other race or race not reported	53.8	57.7	0.0	67.4	50.0	77.2	57.1	48.5	66.7	22.2	71.9	56.5	35.1	41.2	28.6	21.1	61.9	62.5	33.3

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Ethnicity not reported	48.3	52.7	50.0	56.4	41.7	60.0	0.0	40.0	62.5	0.0	69.2	59.1	48.0	38.5	22.2	12.5	69.0	44.4	41.7

- = not calculable; D = suppressed to avoid disclosure of confidential information.

Note(s):
Percentages are based on the total number of doctorate recipients. A bachelor's and doctoral degree are considered to be in the same field if doctorate recipient's first or most recent bachelor's degree is in the same broad field as their doctoral degree. Hispanic or Latino may be of any race; race categories exclude Hispanic origin. The survey data collection for the field of study changed in 2021, which may affect the data comparisons across years. This table uses the new field taxonomy based on a modified version of the 2020 Classification of Instructional Programs (CIP) codes and does not match data that uses the trend field taxonomy. For more information about the field taxonomy changes, see the "Technical Notes."

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