

Table 29. Doctorate recipients who earned a master's degree related to doctorate, by sex, citizenship status, ethnicity, race, and broad field of doctoral study: 2016 (Percent)

Demographic characteristic	All fields		Life sciences ^a		Physical sciences and earth sciences		Mathematics and computer sciences		Psychology and social sciences		Engineering		Education		Humanities and arts		Other ^b	
	Master's	Related master's	Master's	Related master's	Master's	Related master's	Master's	Related master's	Master's	Related master's	Master's	Related master's	Master's	Related master's	Master's	Related master's	Master's	Related master's
All doctorate recipients	69.4	54.0	50.9	34.5	51.4	43.1	72.8	61.0	81.8	63.1	69.7	63.0	87.9	58.2	84.4	69.1	82.8	59.9
Sex																		
Male	68.2	54.7	49.8	33.6	52.1	43.7	71.5	59.7	81.9	63.4	70.6	64.1	89.7	55.5	83.6	70.7	82.4	59.9
Female	70.9	53.3	51.9	35.2	49.9	41.8	76.6	64.9	81.8	62.8	67.0	59.3	87.1	59.3	85.1	67.6	83.4	60.1
Citizenship status																		
U.S. citizen or permanent resident	71.7	55.4	48.2	33.1	48.9	42.5	73.5	62.5	85.7	66.7	68.6	62.5	93.1	61.6	89.2	73.4	88.0	64.1
Temporary visa holder	74.7	59.0	64.8	42.5	60.6	48.6	77.6	64.3	87.6	65.1	76.2	68.5	89.5	60.0	87.9	69.5	88.3	63.1
Ethnicity and race (U.S. citizens and permanent residents)																		
Hispanic or Latino	70.4	55.1	43.7	30.4	42.5	34.9	75.0	60.4	82.3	64.2	71.6	66.1	94.1	69.6	87.4	72.3	86.3	64.5
Not Hispanic or Latino																		
American Indian or Alaska Native	82.8	65.6	63.0	51.9	D	62.5	D	D	93.3	66.7	100.0	87.5	83.3	D	100.0	89.5	D	D
Asian	70.1	53.9	51.9	35.0	54.0	43.4	74.5	67.6	89.0	65.9	70.4	63.6	91.9	60.5	94.4	74.4	88.4	59.3
Black or African American	83.3	55.4	65.9	41.8	50.5	37.1	84.6	73.1	91.1	59.0	83.8	77.5	92.0	56.7	87.6	57.1	91.4	58.9
White	72.5	57.0	48.0	33.5	49.5	43.7	74.4	63.0	87.5	69.6	68.9	62.9	95.4	63.1	90.8	75.6	89.9	67.6
More than one race	70.8	54.7	42.6	27.8	46.4	40.0	75.4	64.6	89.4	69.3	70.8	64.2	96.0	63.4	92.0	74.1	90.7	72.1
Other race or race not reported	64.1	45.1	25.9	18.5	D	41.2	D	D	72.6	54.8	71.4	57.1	78.8	D	78.6	64.3	D	D
Ethnicity not reported	18.4	14.2	9.0	3.9	18.6	15.7	27.1	20.8	19.1	15.3	18.9	17.2	21.8	19.2	25.8	20.4	16.7	7.1

D = suppressed to avoid disclosure of confidential information.

^a Includes agricultural sciences and natural resources; biological and biomedical sciences; and health sciences.

^b Non-science and engineering fields not shown separately.

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NOTES: Percentages based on total number of doctorate recipients. A master's degree is counted as "related master's" if fields of study of doctorate recipient's master's degree and doctorate degree are both in same major field category of National Science Foundation's field of study taxonomy, except for engineering and education fields where broad field categories need be the same. See table A-6 in the technical notes for a listing of major fields and their constituent subfields.

SOURCE: National Science Foundation, National Center for Science and Engineering Statistics, Survey of Earned Doctorates, 2016.