

**Table 8-16****Business research doctorate recipients, statistical profile by sex and major field of doctorate: 2021**

(Number, percent, and median years)

Characteristic	All business fields	Business administration and management	Business, other
All doctorate recipients (number) <sup>a</sup>	1,340	456	884
Sex (%)			
Male	56.4	56.8	56.2
Female	43.6	43.2	43.8
Unknown	0.0	0.0	0.0
Citizenship status (%)			
U.S. citizen or permanent resident	44.0	48.0	42.0
Temporary visa holder	48.1	39.5	52.5
Unknown	7.9	12.5	5.5
Marital status (%)			
Never married	26.3	21.5	28.8
Married	46.8	43.6	48.4
Marriage-like relationship	5.2	5.0	5.3
Separated, divorced, widowed	5.1	5.0	5.1
Unknown	16.6	24.8	12.3
Has dependent age 18 or younger (%)	32.4	35.1	31.3
Has one or more functional limitations (%)	9.2	11.2	8.4
Age at doctorate (median years)	33.9	37.2	33.0
Bachelor's in same field as doctorate (%) <sup>b</sup>	36.5	27.1	40.7
Master's earned (%)	88.9	92.5	87.3
Master's earned at same doctorate institution (%)	26.6	26.9	26.4
Time to doctorate (median years)			
Years since earning bachelor's degree	10.8	12.6	10.1
From graduate school start	8.8	9.8	8.1
From doctoral program start <sup>c</sup>	5.0	5.3	5.0
Received tuition remission (%)	78.1	66.3	83.4
Male doctorate recipients (number)	756	259	497
Citizenship status (%)			
U.S. citizen or permanent resident	40.3	39.4	40.8
Temporary visa holder	51.2	47.9	52.9
Unknown	8.5	12.7	6.2
Marital status (%)			
Never married	23.4	18.9	25.8
Married	49.3	47.5	50.3
Marriage-like relationship	5.3	3.9	6.0
Separated, divorced, widowed	3.7	3.9	3.6
Unknown	18.3	25.9	14.3
Has dependent age 18 or younger (%)	36.9	38.4	36.2
Has one or more functional limitations (%)	8.0	8.5	7.9
Age at doctorate (median years)	34.2	36.8	33.4
Bachelor's in same field as doctorate (%) <sup>b</sup>	32.7	23.7	36.8
Master's earned (%)	90.7	93.3	89.5
Master's earned at same doctorate institution (%)	28.0	25.4	29.1
Time to doctorate (median years)			
Years since earning bachelor's degree	10.8	12.1	10.3
From graduate school start	8.8	9.3	8.1
From doctoral program start <sup>c</sup>	5.0	5.0	5.0
Received tuition remission (%)	77.4	67.0	82.0
Female doctorate recipients (number)	584	197	387

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(Number, percent, and median years)

Characteristic	All business fields	Business administration and management	Business, other
Citizenship status (%)			
U.S. citizen or permanent resident	48.8	59.4	43.4
Temporary visa holder	44.0	28.4	51.9
Unknown	7.2	12.2	4.7
Marital status (%)			
Never married	30.1	24.9	32.8
Married	43.5	38.6	46.0
Marriage-like relationship	5.1	6.6	4.4
Separated, divorced, widowed	6.8	6.6	7.0
Unknown	14.4	23.4	9.8
Has dependent age 18 or younger (%)	26.9	30.9	25.1
Has one or more functional limitations (%)	10.7	14.7	9.0
Age at doctorate (median years)	33.5	37.4	32.4
Bachelor's in same field as doctorate (%) <sup>b</sup>	41.2	31.3	45.7
Master's earned (%)	86.7	91.6	84.5
Master's earned at same doctorate institution (%)	24.8	28.9	22.8
Time to doctorate (median years)			
Years since earning bachelor's degree	10.8	13.1	9.9
From graduate school start	8.8	10.1	8.0
From doctoral program start <sup>c</sup>	5.0	5.5	5.0
Received tuition remission (%)	79.0	65.4	85.1

<sup>a</sup> Includes respondents who did not report sex.<sup>b</sup> A bachelor's degree is counted as in same field as doctorate if the fields of study of the doctorate recipient's first or most recent bachelor's degree and doctoral degree are both in the same broad field category.<sup>c</sup> Time to doctorate from doctoral program start is based on master's degree entry if the master's degree was at the doctoral institution in the same field of study or was a prerequisite to the doctorate; otherwise, it is based on doctoral program entry.**Note(s):**

Due to rounding, percentages may not sum to 100. Beginning in 2021, a modified version of the 2020 Classification of Instructional Programs (CIP) codes was used in the survey data collection, and the new broad, major, and detailed fields were used in tables reporting only the most recent data year. Therefore, the field of doctorate data in 2021 may not be comparable to prior years; see the "Technical Notes" for more information, table A-4 for a summary of SED-CIP codes in the new SED field taxonomy, table A-5 for a full list of SED-CIP codes in the new field taxonomy, and table A-6 for the SED-CIP code crosswalk to the historical field taxonomy.

**Source(s):**

National Center for Science and Engineering Statistics, Survey of Earned Doctorates.