

Table 54**Statistical profile of doctorate recipients, by sex and broad field of study: 2019**

(Number, percent, and median years)

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
All doctorate recipients (number) ^c	55,703	12,781	6,585	4,240	9,071	10,303	4,635	5,054	3,034
Sex (%)									
Male	54.1	45.5	66.3	74.2	40.5	76.0	30.7	49.1	46.6
Female	45.9	54.5	33.6	25.8	59.5	24.0	69.3	50.9	53.4
Unknown	*	*	0.1	*	0.0	*	0.0	*	0.0
Citizenship (%)									
U.S. citizen or permanent resident	63.3	70.8	59.3	42.1	74.1	41.3	83.0	78.9	56.7
Temporary visa holder	32.9	26.6	37.8	54.5	21.1	55.2	13.3	16.4	36.5
Unknown	3.7	2.5	3.0	3.4	4.8	3.6	3.7	4.7	6.8
Marital status (%)									
Never married	36.2	37.0	48.1	43.3	31.6	43.2	19.2	28.7	25.0
Married	42.5	42.7	33.7	39.2	41.5	40.6	57.7	45.1	48.3
Marriage-like relationship	6.7	8.5	7.7	4.9	8.6	4.0	4.1	8.3	4.4
Separated, divorced, widowed	3.3	2.9	1.4	1.9	4.7	1.3	7.2	4.4	5.6
Unknown	11.3	8.8	9.2	10.8	13.6	11.0	11.9	13.5	16.6
Bachelor's in same field as doctorate (%) ^d	55.8	50.3	69.1	61.1	51.4	77.1	24.6	53.1	34.8
Master's earned (%)	69.9	52.1	53.1	71.6	82.9	72.0	88.8	84.1	80.4
Age at doctorate (median years)	31.5	31.0	29.5	30.3	32.4	30.1	38.3	34.2	34.9
Time to doctorate (median years)									
From bachelor's	8.7	8.3	6.9	7.8	9.4	7.4	14.8	11.0	11.4
From graduate school start	7.5	6.9	6.3	6.9	8.0	6.8	11.9	9.5	9.3
From doctoral program start ^e	5.8	5.5	5.6	5.7	6.0	5.3	5.7	6.8	5.1
Male doctorate recipients (number)	30,151	5,819	4,368	3,144	3,672	7,833	1,422	2,479	1,414
Citizenship (%)									
U.S. citizen or permanent resident	57.3	68.3	58.4	41.6	68.4	39.8	81.4	78.8	49.9
Temporary visa holder	39.1	29.1	38.5	54.9	27.4	56.8	14.9	16.4	42.9
Unknown	3.6	2.5	3.2	3.5	4.3	3.4	3.7	4.8	7.2

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Marital status (%)									
Never married	38.2	37.6	48.1	44.0	32.2	43.1	18.6	27.2	25.0
Married	42.6	43.7	34.5	38.8	43.2	41.2	61.4	47.6	50.7
Marriage-like relationship	5.9	8.0	7.0	4.9	7.5	3.6	3.7	7.7	3.7
Separated, divorced, widowed	2.2	1.8	1.2	1.8	3.9	1.1	4.9	3.8	3.7
Unknown	11.1	9.0	9.2	10.6	13.3	10.9	11.4	13.7	16.9
Bachelor's in same field as doctorate (%) ^d	59.6	49.0	70.1	61.4	48.3	78.8	23.0	55.5	34.5
Master's earned (%)	68.5	49.4	54.4	70.5	82.4	73.1	88.0	83.6	79.1
Age at doctorate (median years)	31.3	31.0	29.6	30.3	32.9	30.3	38.2	34.5	35.0
Time to doctorate (median years)									
From bachelor's	8.3	8.1	7.0	7.6	9.6	7.5	14.1	11.1	11.2
From graduate school start	7.3	6.8	6.3	6.9	8.0	6.8	11.3	9.7	9.0
From doctoral program start ^e	5.7	5.5	5.7	5.7	5.9	5.3	5.5	6.8	5.0
Female doctorate recipients (number)	25,542	6,961	2,213	1,095	5,399	2,468	3,213	2,573	1,620
Citizenship (%)									
U.S. citizen or permanent resident	70.4	72.9	61.2	43.7	78.0	45.9	83.8	79.1	62.7
Temporary visa holder	25.7	24.6	36.3	53.3	16.9	50.0	12.5	16.3	30.9
Unknown	3.8	2.5	2.5	2.9	5.1	4.1	3.7	4.6	6.4
Marital status (%)									
Never married	33.8	36.5	48.1	41.4	31.2	43.4	19.4	30.1	25.0
Married	42.4	41.9	32.1	40.5	40.3	38.4	56.0	42.7	46.2
Marriage-like relationship	7.7	9.0	9.0	4.8	9.4	5.1	4.3	9.0	5.0
Separated, divorced, widowed	4.6	3.9	1.8	2.0	5.3	1.7	8.2	5.0	7.3
Unknown	11.5	8.7	9.0	11.2	13.8	11.4	12.1	13.3	16.4
Bachelor's in same field as doctorate (%) ^d	51.2	51.5	67.2	60.3	53.5	71.7	25.3	50.8	35.1
Master's earned (%)	71.5	54.4	50.5	74.8	83.2	68.5	89.1	84.5	81.4

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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
Age at doctorate (median years)	31.9	31.0	29.3	30.3	32.0	29.6	38.3	33.9	34.8
Time to doctorate (median years)									
From bachelor's	9.2	8.3	6.8	7.9	9.3	7.1	15.0	11.0	11.6
From graduate school start	7.8	7.0	6.0	7.0	7.9	6.3	12.3	9.3	9.8
From doctoral program start ^e	5.8	5.6	5.3	5.5	6.0	5.1	5.8	6.8	5.3

* = value between 0.00% and 0.05%.

^a Includes agricultural sciences and natural resources; biological and biomedical sciences; and health sciences.^b Includes other non-science and engineering fields not shown separately.^c Includes respondents who did not report sex.^d 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 major field category, except for engineering and education fields where broad field categories need to be the same. See table A-6 in the technical notes for a listing of major fields and their constituent subfields based on the National Center for Science and Engineering Statistics' field of study taxonomy.^e Time to doctorate from doctoral program start is based on master's degree entry if the master's degree was at the same institution in the same fine 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.

Source(s):

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