

Table 54. Statistical profile of doctorate recipients, by sex and broad field of study: 2016

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	54,904	12,568	6,252	3,957	9,078	9,469	5,153	5,484	2,943
Sex (%)									
Male	53.9	44.9	68.6	75.8	41.3	76.9	30.1	48.1	50.1
Female	46.0	55.1	31.4	24.2	58.7	23.1	69.9	51.8	49.8
Unknown	*	*	*	0.0	0.0	0.0	0.0	*	0.1
Citizenship (%)									
U.S. citizen or permanent resident	65.1	69.2	58.6	43.7	75.2	44.2	83.5	81.1	63.4
Temporary visa holder	30.0	26.8	37.0	51.9	19.3	51.2	10.9	13.0	30.2
Unknown	4.9	4.0	4.4	4.4	5.4	4.6	5.6	5.9	6.4
Marital status (%)									
Never married	31.6	33.1	40.7	37.4	27.7	38.3	17.7	25.9	23.5
Married	44.8	45.1	37.1	42.8	44.0	41.5	56.7	46.8	51.7
Marriage-like relationship	8.3	9.6	9.9	6.2	10.3	6.6	4.9	10.1	4.7
Separated, divorced, widowed	3.4	2.8	2.1	2.1	4.0	1.3	7.4	5.0	5.2
Unknown	11.9	9.4	10.3	11.5	14.0	12.3	13.3	12.2	15.0
Bachelor's in same field as doctorate (%) ^d	54.0	49.7	66.9	60.2	48.4	75.9	24.9	53.5	35.6
Master's earned (%)	69.4	50.9	51.4	72.8	81.8	69.7	87.9	84.4	82.8
Age at doctorate (median years)	31.6	30.9	29.5	30.3	32.5	30.0	38.6	34.1	34.7
Time to doctorate (median years)									
From bachelor's	8.8	8.2	6.9	7.9	9.5	7.3	15.0	11.0	11.2
From graduate school start	7.3	6.7	6.1	6.9	7.9	6.5	11.7	9.3	9.0
From doctoral program start ^e	5.7	5.7	5.7	5.7	6.0	5.3	6.0	7.0	5.3
Male doctorate recipients (number)	29,616	5,643	4,286	2,998	3,749	7,277	1,550	2,639	1,474
Citizenship (%)									
U.S. citizen or permanent resident	59.2	65.8	57.1	43.8	70.1	43.4	82.1	81.1	59.2
Temporary visa holder	36.1	30.2	38.4	52.0	24.9	52.1	13.2	12.8	34.5
Unknown	4.7	4.0	4.5	4.2	5.0	4.5	4.7	6.1	6.3
Marital status (%)									
Never married	33.6	34.1	41.3	38.4	28.7	38.3	16.8	24.3	23.5
Married	45.1	45.3	37.5	42.9	46.6	42.1	61.5	50.7	54.3
Marriage-like relationship	7.6	9.1	9.1	5.8	9.5	6.4	5.7	8.4	3.5

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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
Separated, divorced, widowed	2.1	2.0	1.7	1.5	2.3	1.1	4.5	4.2	3.8
Unknown	11.5	9.6	10.3	11.3	12.9	12.1	11.6	12.5	15.0
Bachelor's in same field as doctorate (%) ^d	57.8	48.7	66.9	59.7	46.9	77.1	23.9	55.2	34.7
Master's earned (%)	68.2	49.8	52.1	71.5	81.9	70.6	89.7	83.6	82.4
Age at doctorate (median years)	31.3	31.0	29.5	30.4	32.8	30.2	38.4	34.3	34.7
Time to doctorate (median years)									
From bachelor's	8.3	8.0	7.0	7.8	9.6	7.4	14.6	11.0	11.0
From graduate school start	7.1	6.7	6.2	6.9	7.8	6.7	11.7	9.2	8.7
From doctoral program start ^e	5.7	5.7	5.7	5.7	5.9	5.3	5.9	6.9	5.1
Female doctorate recipients (number)	25,278	6,923	1,963	959	5,329	2,192	3,603	2,843	1,466
Citizenship (%)									
U.S. citizen or permanent resident	71.9	72.0	62.0	43.4	78.9	46.7	84.1	81.2	67.7
Temporary visa holder	23.0	23.9	34.0	51.6	15.4	48.3	9.9	13.1	26.0
Unknown	5.1	4.1	4.0	5.0	5.7	5.0	5.9	5.7	6.3
Marital status (%)									
Never married	29.3	32.4	39.5	34.0	27.1	38.5	18.1	27.4	23.5
Married	44.5	44.9	36.1	42.5	42.2	39.2	54.6	43.3	49.2
Marriage-like relationship	9.1	10.0	11.4	7.4	10.8	7.3	4.6	11.6	5.9
Separated, divorced, widowed	4.9	3.5	2.9	3.9	5.1	2.0	8.7	5.8	6.5
Unknown	12.2	9.2	10.0	12.2	14.8	13.1	14.0	11.9	14.9
Bachelor's in same field as doctorate (%) ^d	49.6	50.6	66.8	61.8	49.4	72.1	25.4	51.9	36.5
Master's earned (%)	70.9	51.9	49.9	76.6	81.8	67.0	87.1	85.1	83.4
Age at doctorate (median years)	32.0	30.9	29.3	30.2	32.2	29.4	38.7	33.8	34.7
Time to doctorate (median years)									
From bachelor's	9.3	8.3	6.8	7.9	9.5	7.0	15.0	11.0	11.5
From graduate school start	7.7	6.7	6.0	7.0	7.9	6.3	11.9	9.3	9.2
From doctoral program start ^e	5.7	5.7	5.4	5.7	6.0	5.3	6.0	7.0	5.7

* = value < 0.05%.

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

Table 54. Statistical profile of doctorate recipients, by sex and broad field of study: 2016

^b 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 for the doctorate recipient's bachelor's degree and doctorate degree are both in the same major field category of the 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.

^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: Due to rounding, percentages may not sum to 100.

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