

Table 1-4

Research doctorate recipients, by historical broad field of doctorate and sex: Selected years, 1992–2022

(Number and percent)

Field and sex	1992		1997		2002		2007		2012		2017		2022	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
All fields ^a	38,886	100.0	42,539	100.0	40,031	100.0	48,132	100.0	50,943	100.0	54,552	100.0	57,596	100.0
Male	24,232	62.3	24,942	58.6	21,806	54.5	26,202	54.4	27,362	53.7	29,446	54.0	30,522	53.0
Female	14,435	37.1	17,242	40.5	18,140	45.3	21,904	45.5	23,526	46.2	25,084	46.0	27,069	47.0
Life sciences ^b	7,172	100.0	8,421	100.0	8,478	100.0	10,702	100.0	11,964	100.0	12,554	100.0	13,211	100.0
Male	4,322	60.3	4,613	54.8	4,443	52.4	5,197	48.6	5,335	44.6	5,662	45.1	5,729	43.4
Female	2,819	39.3	3,752	44.6	4,022	47.4	5,497	51.4	6,614	55.3	6,887	54.9	7,482	56.6
Physical sciences and earth sciences	4,517	100.0	4,550	100.0	3,875	100.0	4,956	100.0	5,419	100.0	6,082	100.0	6,649	100.0
Male	3,545	78.5	3,489	76.7	2,812	72.6	3,447	69.6	3,684	68.0	4,103	67.5	4,300	64.7
Female	941	20.8	1,033	22.7	1,059	27.3	1,508	30.4	1,730	31.9	1,978	32.5	2,349	35.3
Mathematics and computer sciences	1,927	100.0	2,032	100.0	1,729	100.0	3,042	100.0	3,496	100.0	3,842	100.0	4,854	100.0
Male	1,588	82.4	1,594	78.4	1,290	74.6	2,307	75.8	2,638	75.5	2,906	75.6	3,569	73.5
Female	325	16.9	413	20.3	433	25.0	734	24.1	855	24.5	935	24.3	1,285	26.5
Psychology and social sciences	6,562	100.0	7,369	100.0	6,925	100.0	7,309	100.0	8,498	100.0	9,034	100.0	9,235	100.0
Male	3,386	51.6	3,441	46.7	3,083	44.5	3,028	41.4	3,539	41.6	3,718	41.2	3,593	38.9
Female	3,144	47.9	3,858	52.4	3,829	55.3	4,278	58.5	4,955	58.3	5,312	58.8	5,641	61.1
Engineering	5,438	100.0	6,114	100.0	5,081	100.0	7,749	100.0	8,469	100.0	9,776	100.0	11,530	100.0
Male	4,860	89.4	5,315	86.9	4,174	82.1	6,141	79.2	6,565	77.5	7,449	76.2	8,415	73.0
Female	506	9.3	750	12.3	893	17.6	1,605	20.7	1,887	22.3	2,321	23.7	3,115	27.0
Education	6,677	100.0	6,577	100.0	6,508	100.0	6,448	100.0	4,802	100.0	4,826	100.0	4,509	100.0
Male	2,688	40.3	2,394	36.4	2,196	33.7	2,103	32.6	1,500	31.2	1,535	31.8	1,285	28.5
Female	3,976	59.5	4,123	62.7	4,299	66.1	4,344	67.4	3,298	68.7	3,289	68.2	3,224	71.5
Humanities and arts	4,387	100.0	5,285	100.0	5,297	100.0	5,085	100.0	5,561	100.0	5,286	100.0	4,464	100.0
Male	2,443	55.7	2,798	52.9	2,676	50.5	2,605	51.2	2,741	49.3	2,606	49.3	2,191	49.1
Female	1,933	44.1	2,450	46.4	2,610	49.3	2,478	48.7	2,818	50.7	2,679	50.7	2,271	50.9
Other ^c	2,206	100.0	2,191	100.0	2,138	100.0	2,841	100.0	2,734	100.0	3,152	100.0	3,144	100.0
Male	1,400	63.5	1,298	59.2	1,132	52.9	1,374	48.4	1,360	49.7	1,467	46.5	1,440	45.8
Female	791	35.9	863	39.4	995	46.5	1,460	51.4	1,369	50.1	1,683	53.4	1,702	54.1

^a Includes doctorate recipients who did not report sex.^b Includes agricultural sciences and natural resources, biological and biomedical sciences, and health sciences.^c Includes other non-science and engineering fields not shown separately.**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; the historical fields were constructed using the SED-CIP code crosswalk in table A-6. Therefore, the field of doctorate data prior to 2021 may not be comparable to subsequent years. For more information, see the "Technical Notes" and the SED 2021 Taxonomy Changes Working Paper (available at <https://nces.nsf.gov/pubs/nces23200>).

Source(s):

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