

TABLE 6-6

Scholarly productivity of early career doctorates, by doctoral degree characteristics: 2017

(Percent)

Selected characteristic	Number of early career doctorates	Published papers in conference proceedings	Authored or co-authored conference papers	Submitted articles for publication in a peer-reviewed journal	Published books or book chapters	Mentored or supervised students	Taught courses	Named as an inventor on a patent application	Provided service to department, institution, or professional society
All early career doctorates	186,700	56.1	82.6	87.4	39.2	89.2	82.5	7.6	90.3
Doctoral degree type									
Professional degree or doctoral equivalent ^a	15,700	42.7	59.2	58.6	28.4	91.2	89.9	0.9	89.1
Research degree	171,100	57.4	84.7	90.0	40.1	89.0	81.9	8.3	90.4
Years since doctoral degree									
1 year or less	36,900	46.9	73.6	82.8	21.7	82.8	70.6	6.0	83.7
2–5 years	82,800	55.2	82.9	87.2	37.7	89.3	82.2	7.9	90.1
6–10 years	67,000	62.4	87.2	90.2	50.5	92.7	89.6	8.2	94.0
Origin of doctoral degree									
U.S. degree	161,800	54.9	82.7	86.3	39.7	90.4	86.2	6.4	92.0
Non-U.S. degree	24,900	63.9	81.9	94.7	35.8	81.7	58.7	15.3	78.7
Field of doctoral degree									
Science and engineering	112,600	57.6	82.3	91.8	34.1	87.7	74.7	11.8	88.1
Biological, agricultural, and environmental life sciences	28,900	52.6	78.8	94.9	26.4	89.1	66.8	10.9	83.2
Agricultural and environmental life sciences	3,900	66.0	91.9	95.2	40.8	93.2	77.5	7.5	92.0
Biological and biomedical sciences	24,900	50.5	76.8	94.9	24.1	88.4	65.1	11.5	81.8
Engineering	17,200	78.6	83.1	92.5	27.9	88.7	66.1	29.8	88.2
Mathematics and computer sciences	12,100	67.1	72.8	88.4	28.8	80.4	83.4	12.5	91.8
Computer and information sciences	5,900	92.8	78.9	83.6	38.7	84.0	76.9	24.0	93.0
Mathematics and statistics	6,200	43.0	67.1	93.0	19.6	77.1	89.5	1.7	90.7
Multidisciplinary fields and science and engineering related fields	2,600	74.2	86.0	92.1	52.6	87.7	79.8	6.7	87.6
Physical sciences, geosciences, atmospheric sciences, and ocean sciences	20,600	58.1	78.5	92.0	18.7	84.7	61.5	15.9	83.8

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Psychology and social sciences	31,200	45.2	90.9	89.8	55.3	90.8	91.7	0.3	94.1
Psychology	8,700	48.0	85.7	86.9	52.9	92.8	83.8	D	91.6
Social sciences	22,400	44.1	92.9	90.9	56.3	90.0	94.8	D	95.1
Health	13,400	61.0	81.9	86.0	33.2	93.9	91.1	3.1	90.9
Non-science and engineering	60,700	52.3	83.3	79.5	49.9	91.0	95.2	0.8	94.1
Education	21,100	51.8	71.7	68.2	42.6	91.8	91.7	0.6	91.5
Humanities	15,700	39.9	89.1	84.2	62.5	90.2	97.4	D	95.3
Other non-science and engineering	23,900	61.0	89.8	86.3	47.9	90.8	96.9	1.5	95.5

D = suppressed to avoid disclosure of confidential information.

^a Includes medical and related degrees, such as Medical Doctors (MD), Doctor of Pharmacy (PharmD), and other professional degrees such as Doctor of Education (EdD).

Note(s):

Counts are rounded to the nearest 100. Percentages are calculated from unrounded counts and rounded to the nearest 10th of a percent. Details may not add to totals because of rounding.

Source(s):

National Center for Science and Engineering Statistics, Early Career Doctorates Survey, 2017.