

TABLE 7-4b

**Early career doctorates who indicate that various aspects of their sampled positions exceeded their expectations, by doctoral degree characteristics: 2017**

(Percent)

Selected characteristic	Increased subject matter knowledge	Conducted own independent research	Published papers	Presented papers at a professional conference	Taught courses	Provided clinical or professional services	Supervised others	Wrote grant proposals	Worked in interdisciplinary research environments	Collaborated or networked with colleagues	Developed marketable products
Number of early career doctorates for whom the item was applicable (denominator)	184,100	176,500	176,500	177,700	170,600	91,100	164,900	160,900	168,600	182,700	96,200
Percentage of early career doctorates	24.5	17.2	11.6	14.2	21.0	8.1	23.0	13.7	17.8	20.2	7.9
Doctoral degree type											
Professional degree or doctoral equivalent <sup>a</sup>	29.4	11.7	9.4	13.6	22.5	12.4	20.8	9.3	10.6	17.6	7.5
Research degree	24.0	17.6	11.8	14.3	20.8	7.5	23.2	14.1	18.3	20.4	8.0
Years since doctoral degree											
1 year or less	29.1	20.0	13.0	17.5	18.9	8.1	22.8	13.8	19.2	21.8	10.0
2–5 years	24.3	17.6	11.9	14.5	21.8	7.8	22.5	13.5	18.0	19.8	6.9
6–10 years	22.2	15.0	10.5	12.1	21.0	8.4	23.6	13.9	16.7	19.8	8.0
Origin of doctoral degree											
U.S. degree	23.9	16.2	11.4	13.9	22.0	8.4	23.6	13.5	16.7	19.8	7.8
Non-U.S. degree	28.3	23.4	13.0	15.9	12.9	5.4	19.2	14.8	24.2	22.4	8.5
Field of doctoral degree											
Science and engineering	25.0	19.2	11.8	14.7	18.8	6.4	23.6	15.4	20.3	21.4	7.6
Biological, agricultural, and environmental life sciences	28.4	20.1	13.7	15.5	16.8	5.9	22.2	14.4	19.7	22.2	5.9
Agricultural and environmental life sciences	29.9	20.8	15.0	18.5	25.9	7.2	27.4	14.8	24.1	32.6	8.7
Biological and biomedical sciences	28.1	19.9	13.5	15.0	15.4	5.7	21.4	14.4	19.1	20.6	5.5
Engineering	26.8	19.6	11.1	14.3	18.1	7.0	21.7	17.7	21.1	22.7	10.2
Mathematics and computer sciences	23.7	15.5	12.4	14.8	23.0	5.3	21.7	16.7	20.3	19.3	5.9
Computer and information sciences	22.7	16.4	12.5	15.3	24.3	D	20.3	14.8	23.6	20.0	6.1
Mathematics and statistics	24.7	14.6	12.3	14.3	21.7	8.9	23.1	18.4	17.1	18.6	S
Multidisciplinary fields and science and engineering related fields	25.5	21.8	7.3	10.2	24.0	17.6	35.0	16.3	22.7	29.9	D
Physical sciences, geosciences, atmospheric sciences, and ocean sciences	27.0	23.3	12.9	16.9	15.4	6.3	24.3	17.7	22.6	22.8	10.1

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Psychology and social sciences	20.0	16.7	9.8	12.9	20.5	6.4	25.5	12.7	18.8	18.9	5.8
Psychology	23.4	20.0	8.9	11.4	16.0	9.4	25.5	15.6	20.2	18.2	6.8
Social sciences	18.7	15.4	10.1	13.5	22.1	4.9	25.5	11.5	18.3	19.1	5.3
Health	27.1	13.5	12.6	14.2	28.9	11.9	19.6	10.8	16.2	20.7	4.6
Non-science and engineering	22.9	14.1	11.1	13.4	23.0	9.3	22.5	10.8	12.9	17.9	9.7
Education	28.4	15.2	12.2	14.9	21.8	9.9	24.5	10.6	10.4	18.6	9.8
Humanities	20.9	11.4	9.5	11.6	19.8	8.4	26.9	10.8	12.5	15.7	9.7
Other non-science and engineering	19.4	15.1	11.2	13.3	26.1	8.9	17.9	11.0	15.1	18.6	9.7

D = suppressed to avoid disclosure of confidential information. S = suppressed for reliability; coefficient of variation exceeds publication standards.

<sup>a</sup> 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. "Not applicable" responses are excluded from the denominator for each column variable.

**Source(s):**

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