

TABLE 7-4a

Early career doctorates who indicate that various aspects of their sampled positions met or 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	87.2	77.2	73.4	80.8	84.1	57.4	79.8	65.2	72.0	77.3	41.8
Doctoral degree type											
Professional degree or doctoral equivalent ^a	88.8	67.8	62.5	69.6	87.0	72.0	87.9	56.3	60.0	82.7	42.2
Research degree	87.1	78.0	74.3	81.7	83.8	55.2	79.1	65.9	73.0	76.8	41.7
Years since doctoral degree											
1 year or less	89.2	79.5	73.9	80.1	73.9	52.6	75.7	60.9	73.1	78.3	43.7
2–5 years	86.9	76.6	72.2	80.4	83.5	57.1	78.0	64.1	71.5	76.6	40.5
6–10 years	86.6	76.7	74.6	81.7	90.0	60.3	84.3	68.8	72.1	77.5	42.2
Origin of doctoral degree											
U.S. degree	86.7	76.5	73.0	81.2	87.2	58.8	80.5	65.4	70.9	76.8	41.6
Non-U.S. degree	90.5	81.8	75.7	78.5	60.4	45.6	75.8	64.2	78.9	80.5	43.0
Field of doctoral degree											
Science and engineering	88.4	81.0	75.4	81.6	78.2	51.6	80.5	68.7	77.4	79.3	43.3
Biological, agricultural, and environmental life sciences	89.7	81.0	74.0	78.1	65.5	44.1	82.8	69.7	80.5	79.5	39.9
Agricultural and environmental life sciences	91.0	78.5	71.3	85.2	77.6	57.9	84.3	72.8	88.9	86.4	49.6
Biological and biomedical sciences	89.5	81.4	74.4	77.0	63.6	42.0	82.5	69.2	79.2	78.3	38.6
Engineering	90.7	83.6	77.4	84.2	75.5	53.1	80.0	70.9	81.5	82.0	51.5
Mathematics and computer sciences	90.0	82.6	79.6	82.3	88.2	56.3	79.7	72.6	79.7	82.9	44.3
Computer and information sciences	91.1	80.3	78.0	79.6	85.3	51.3	81.3	74.3	81.9	79.2	46.4
Mathematics and statistics	88.9	84.6	81.1	84.8	90.9	61.4	78.0	71.0	77.7	86.5	41.1
Multidisciplinary fields and science and engineering related fields	89.5	76.1	74.0	80.0	84.7	56.2	89.4	77.2	86.5	85.9	34.1
Physical sciences, geosciences, atmospheric sciences, and ocean sciences	91.0	83.0	76.3	82.2	68.6	50.8	79.9	67.8	81.4	80.2	47.6

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Psychology and social sciences	83.4	77.8	73.4	82.9	91.1	55.8	78.6	64.8	67.9	74.9	36.5
Psychology	85.5	78.0	70.0	81.2	86.9	66.2	84.6	65.1	64.8	73.9	30.9
Social sciences	82.6	77.7	74.7	83.5	92.6	50.7	76.0	64.6	69.0	75.3	39.3
Health	85.1	69.4	71.2	78.8	87.7	72.6	83.4	62.5	71.4	80.6	35.5
Non-science and engineering	85.6	71.8	70.0	79.8	93.2	60.9	77.5	58.2	61.1	72.8	40.2
Education	87.5	64.8	63.7	75.0	88.2	65.9	83.8	57.9	56.3	77.9	42.5
Humanities	84.9	74.4	74.5	81.8	96.2	55.9	77.3	59.2	65.0	68.0	42.8
Other non-science and engineering	84.4	75.6	72.0	82.3	95.4	57.5	71.6	57.9	62.4	71.5	37.1

^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. "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.