



APPENDIX TABLE 5-24

Early career S&E doctorate holders employed in academia with federal support, by degree field, years since doctorate, and type of position: 1973–2015

(Percent)

Field and year	1–3 years since doctorate				4–7 years since doctorate			
	All positions	Full-time faculty	Other full-time positions	Postdocs	All positions	Full-time faculty	Other full-time positions	Postdocs
All fields								
1973	44.1	32.9	72.5	87.1	47.1	42.3	55.3	80.8
1975	44.2	31.1	58.3	87.8	42.5	40.0	66.2	83.2
1977	44.5	28.8	61.2	87.0	42.2	37.8	71.6	85.3
1979	47.2	29.6	58.9	86.6	43.0	37.4	67.3	83.1
1981	51.0	30.8	63.1	87.9	46.5	41.2	64.8	86.9
1983	50.2	33.7	59.0	86.1	50.1	45.3	68.1	84.8
1985	43.2	23.9	59.3	79.1	42.4	36.2	63.3	81.0
1987	53.3	36.7	56.1	82.0	54.8	49.7	71.6	84.2
1989	57.2	38.7	58.7	84.7	57.8	53.5	70.0	89.1
1991	53.6	38.3	56.6	83.8	57.4	53.4	66.6	88.7
1993	43.5	20.8	43.7	80.7	41.1	34.0	46.8	87.3
1995	47.0	23.2	40.1	78.5	43.9	36.1	52.0	86.0
1997	45.2	20.2	39.5	74.8	41.9	33.7	49.6	78.5
1999	52.5	28.1	45.7	79.0	47.4	41.4	46.6	83.3



Field and year	1–3 years since doctorate				4–7 years since doctorate			
	All positions	Full-time faculty	Other full-time positions	Postdocs	All positions	Full-time faculty	Other full-time positions	Postdocs
2001	48.2	29.2	43.2	73.6	46.1	39.8	50.7	78.6
2003	48.2	31.3	43.4	77.7	47.5	42.3	55.3	81.1
2006	49.1	30.1	46.8	68.6	47.2	41.7	46.5	76.0
2008	46.4	26.9	48.3	70.6	43.1	37.9	44.3	75.0
2010	47.6	27.5	41.0	72.3	46.0	41.8	47.3	77.6
2013	48.2	22.4	36.7	76.8	46.5	38.8	47.9	78.5
2015	43.5	23.5	40.4	72.3	42.2	34.8	45.0	71.8
Physical sciences								
1973	58.4	31.2	78.3	88.5	44.8	39.5	72.1	98.5
1975	64.1	27.9	60.7	93.2	43.8	36.6	77.3	85.1
1977	63.2	28.9	95.7	88.5	51.6	40.5	77.5	92.4
1979	59.1	25.5	73.7	84.7	52.0	39.0	72.1	91.7
1981	69.3	25.2	94.3	88.1	57.9	49.4	84.5	97.9
1983	70.4	33.8	82.7	88.2	66.2	56.3	85.3	84.8
1985	64.3	18.7	86.6	84.6	50.8	35.7	78.7	91.4
1987	80.9	66.7	69.9	90.2	68.7	56.0	97.1	93.1
1989	77.9	49.2	82.1	88.0	72.4	61.9	89.0	90.6
1991	69.9	44.1	78.8	87.2	67.2	55.1	88.5	100.0



Field and year	1–3 years since doctorate				4–7 years since doctorate			
	All positions	Full-time faculty	Other full-time positions	Postdocs	All positions	Full-time faculty	Other full-time positions	Postdocs
1993	63.1	21.3	64.9	84.5	58.2	43.9	70.0	94.5
1995	62.8	21.0	41.9	84.1	53.9	37.8	60.2	86.7
1997	65.1	37.5	66.7	77.8	53.4	41.2	67.9	96.5
1999	67.5	44.4	60.0	83.3	57.0	46.7	65.5	89.4
2001	64.9	40.0	57.1	80.0	54.1	39.4	73.9	83.7
2003	62.5	40.0	66.7	78.9	54.8	50.6	63.1	70.2
2006	66.7	40.0	50.0	78.6	57.6	52.8	64.2	72.2
2008	56.8	36.4	62.5	65.2	52.8	48.4	58.3	75.0
2010	59.3	27.3	37.5	76.5	53.3	41.7	66.7	80.0
2013	59.4	s	37.5	80.0	51.4	37.5	56.3	83.3
2015	53.3	33.3	50.0	68.8	50.0	41.2	54.5	71.4
Mathematics and statistics								
1973	17.5	16.3	58.5	38.7	29.0	29.4	15.4	100.0
1975	14.5	13.0	37.6	28.3	18.9	18.5	31.8	57.9
1977	16.2	12.2	45.9	56.4	19.2	17.6	44.0	52.2
1979	24.8	22.5	52.9	42.5	32.3	30.2	64.9	46.9
1981	10.8	9.5	s	44.1	29.7	27.6	62.7	81.5
1983	31.8	29.8	s	73.4	39.8	39.8	51.3	100.0



Field and year	1–3 years since doctorate				4–7 years since doctorate			
	All positions	Full-time faculty	Other full-time positions	Postdocs	All positions	Full-time faculty	Other full-time positions	Postdocs
1977	NA	NA	NA	NA	NA	NA	NA	NA
1979	34.8	25.0	s	57.1	s	s	s	s
1981	27.7	24.1	25.0	100.0	52.4	52.4	s	s
1983	45.7	35.1	60.0	100.0	43.5	40.4	92.3	s
1985	54.1	46.4	77.2	s	36.7	31.0	100.0	s
1987	47.2	46.3	42.0	100.0	73.2	66.3	100.0	s
1989	33.0	29.3	50.0	100.0	70.8	78.0	35.7	100.0
1991	23.1	23.1	25.1	s	66.2	63.9	100.0	100.0
1993	44.7	39.5	100.0	100.0	30.7	30.9	27.3	100.0
1995	38.2	31.4	61.1	75.9	38.1	38.3	23.9	s
1997	37.5	40.0	s	100.0	36.4	40.0	s	s
1999	50.0	50.0	s	s	58.3	54.5	s	s
2001	33.3	25.0	s	s	50.0	57.1	s	s
2003	44.4	28.6	s	s	42.9	40.0	66.7	s
2006	33.3	33.3	s	100.0	42.9	45.5	50.0	s
2008	38.5	33.3	100.0	50.0	50.0	45.5	33.3	s
2010	30.8	12.5	s	66.7	62.5	58.3	66.7	s
2013	37.5	s	s	s	55.6	58.3	100.0	s



Field and year	1–3 years since doctorate				4–7 years since doctorate			
	All positions	Full-time faculty	Other full-time positions	Postdocs	All positions	Full-time faculty	Other full-time positions	Postdocs
2015	40.0	28.6	50.0	100.0	55.6	66.7	25.0	s
Life sciences								
1973	60.8	48.3	77.0	89.0	59.7	57.3	75.1	89.2
1975	61.8	46.4	72.5	87.6	60.1	57.6	76.2	87.5
1977	61.6	38.1	70.4	88.9	59.6	56.6	73.3	90.2
1979	65.9	40.6	75.8	85.9	57.3	51.4	76.5	84.2
1981	71.8	51.7	76.5	88.1	64.0	58.8	70.8	85.7
1983	68.2	52.8	65.1	84.7	67.1	64.5	72.6	83.7
1985	59.6	34.1	67.2	78.9	61.1	55.6	72.3	81.7
1987	70.2	53.5	73.8	82.1	71.4	68.3	81.0	83.0
1989	74.5	50.2	79.3	89.1	71.9	67.5	79.1	89.3
1991	68.1	49.9	60.0	83.0	70.6	66.8	79.2	86.3
1993	61.2	32.2	44.8	81.9	55.7	46.4	52.0	86.7
1995	58.5	30.3	35.3	80.3	54.0	43.9	47.4	87.4
1997	58.3	24.0	42.9	78.5	52.3	42.4	48.4	78.8
1999	64.7	32.0	50.0	81.4	57.2	47.2	49.3	83.0
2001	59.3	35.7	37.5	76.9	56.4	48.9	49.5	78.8
2003	62.7	39.4	45.0	81.7	57.3	50.3	56.9	83.0



Field and year	1–3 years since doctorate				4–7 years since doctorate			
	All positions	Full-time faculty	Other full-time positions	Postdocs	All positions	Full-time faculty	Other full-time positions	Postdocs
2006	55.6	32.3	52.9	67.1	57.5	49.7	49.6	77.0
2008	60.0	33.3	54.5	75.8	54.4	44.2	57.6	82.8
2010	60.6	37.1	48.0	76.6	54.5	47.1	51.4	78.4
2013	62.4	31.3	43.8	80.4	57.2	45.5	54.9	82.8
2015	57.8	35.0	45.5	81.4	51.2	36.7	49.2	75.4
Psychology								
1973	34.3	28.5	59.7	95.3	37.8	36.9	52.1	71.4
1975	35.0	25.5	53.7	88.5	35.3	34.9	32.8	71.2
1977	35.3	26.8	71.7	86.0	31.5	27.9	60.5	73.0
1979	35.2	22.5	22.2	95.5	39.3	31.4	76.5	87.6
1981	46.5	33.2	41.6	93.4	34.7	28.6	54.5	88.2
1983	31.2	19.8	34.2	89.3	32.3	28.2	37.1	87.2
1985	30.6	15.6	44.5	70.1	29.2	26.2	38.7	72.5
1987	37.5	28.5	28.8	82.7	33.2	25.6	40.3	97.9
1989	41.7	34.6	36.1	64.9	36.1	36.7	33.1	63.1
1991	35.9	23.9	24.3	100.0	38.8	38.6	24.8	86.9
1993	21.6	12.0	27.5	61.6	23.2	24.6	15.5	48.2
1995	33.5	17.5	40.6	63.5	26.1	21.8	36.0	82.1



Field and year	1–3 years since doctorate				4–7 years since doctorate			
	All positions	Full-time faculty	Other full-time positions	Postdocs	All positions	Full-time faculty	Other full-time positions	Postdocs
1997	35.3	21.4	25.0	75.0	30.2	22.2	37.5	75.0
1999	32.4	20.0	25.0	62.5	35.4	35.7	27.3	100.0
2001	35.1	22.2	33.3	66.7	34.7	31.0	54.5	s
2003	30.8	26.7	36.4	57.1	37.0	34.3	41.7	100.0
2006	45.2	37.5	33.3	64.3	35.5	36.1	23.1	66.7
2008	35.0	29.4	27.3	62.5	26.8	27.3	20.0	50.0
2010	37.8	35.3	22.2	85.7	33.3	33.3	28.6	66.7
2013	36.8	14.3	25.0	66.7	29.3	33.3	25.0	100.0
2015	29.2	10.0	33.3	80.0	30.5	32.4	29.4	50.0
Social sciences								
1973	24.7	23.7	53.7	23.9	29.0	28.7	34.1	93.1
1975	23.1	22.5	29.0	61.7	26.2	26.2	42.4	39.2
1977	24.8	24.2	12.3	61.4	24.6	23.2	56.3	48.0
1979	26.6	22.8	37.6	97.5	20.8	19.2	52.2	70.8
1981	20.4	16.3	48.7	56.0	24.3	24.3	25.2	60.0
1983	28.2	23.6	49.0	77.9	28.1	23.6	57.5	93.8
1985	15.6	12.3	27.8	44.4	19.3	15.7	51.0	41.0
1987	22.5	20.9	34.5	21.4	29.9	27.7	54.0	s



Field and year	1–3 years since doctorate				4–7 years since doctorate			
	All positions	Full-time faculty	Other full-time positions	Postdocs	All positions	Full-time faculty	Other full-time positions	Postdocs
1989	25.6	24.7	24.3	41.9	33.2	31.6	51.4	83.9
1991	21.7	19.5	38.8	31.7	36.6	33.8	44.2	100.0
1993	11.2	7.2	25.4	88.2	14.9	14.4	21.9	100.0
1995	15.9	10.7	28.8	80.8	17.8	16.0	41.8	49.8
1997	14.0	12.1	28.6	25.0	16.9	15.2	28.6	s
1999	22.0	15.4	25.0	66.7	22.4	22.6	25.0	s
2001	19.6	19.4	20.0	33.3	21.1	20.4	27.3	s
2003	18.9	15.8	28.6	33.3	22.2	23.6	22.2	s
2006	18.9	15.6	28.6	33.3	21.6	22.8	20.0	s
2008	17.3	13.2	28.6	50.0	20.0	20.3	21.4	s
2010	15.3	12.8	14.3	33.3	18.8	18.3	25.0	s
2013	13.5	13.6	12.5	50.0	17.4	18.6	18.2	s
2015	18.4	12.0	28.6	33.3	15.9	14.8	21.4	s
Engineering								
1973	50.8	45.2	74.2	87.1	50.7	49.9	78.6	s
1975	53.7	48.9	65.8	83.8	54.4	53.1	82.3	s
1977	55.2	47.2	84.8	72.9	52.9	52.3	64.8	64.9
1979	55.5	48.5	71.9	99.4	55.1	58.8	33.8	16.9



Field and year	1–3 years since doctorate				4–7 years since doctorate			
	All positions	Full-time faculty	Other full-time positions	Postdocs	All positions	Full-time faculty	Other full-time positions	Postdocs
1981	54.4	43.2	100.0	100.0	65.6	61.9	83.9	s
1983	47.1	36.7	58.2	98.3	64.3	62.2	99.0	s
1985	43.9	37.8	66.1	94.5	47.6	46.3	66.4	s
1987	53.3	43.7	79.2	75.7	65.5	64.2	97.6	100.0
1989	56.0	48.9	71.9	73.3	70.8	68.6	91.8	100.0
1991	66.6	62.1	67.7	89.9	73.2	73.0	79.7	s
1993	43.4	32.1	65.1	68.7	51.2	49.4	65.9	70.3
1995	51.1	38.5	50.3	72.6	62.1	60.3	72.5	86.5
1997	51.6	37.5	60.0	63.6	52.3	48.5	50.0	66.7
1999	59.3	36.4	80.0	77.8	53.8	56.7	50.0	100.0
2001	55.6	50.0	80.0	57.1	57.9	57.1	44.4	s
2003	55.9	47.1	66.7	77.8	63.6	61.3	63.6	100.0
2006	59.6	42.1	50.0	75.0	64.4	62.1	57.1	83.3
2008	56.4	37.5	71.4	71.4	60.8	57.6	66.7	66.7
2010	52.9	41.2	62.5	62.5	64.3	67.6	63.6	80.0
2013	48.4	25.0	42.9	64.3	61.4	60.5	62.5	75.0
2015	44.8	40.0	50.0	50.0	51.4	50.0	56.3	55.6



NA = not available; s = suppressed for reasons of confidentiality and/or reliability.

Note(s)

Data for 1985 and 1993–97 are not comparable with other years and understate the degree of federal support. In 1985 and 1993–97, the federal support question asked whether work performed during the week of 15 April was supported by the government; in other years, the question pertained to work conducted over the course of an entire year. Because of larger sample sizes, estimates of federal support are more accurate for life sciences than for other fields, especially mathematics and statistics and computer and information sciences. Academic employment is limited to U.S. doctorate holders employed at 2- or 4-year colleges or universities, medical schools, and university research institutes. Full-time faculty includes full professors, associate professors, assistant professors, and instructors from 1973 to 1995; from 1997 to 2015, full-time faculty includes full professors, associate professors, and assistant professors. Other full-time positions include those such as research associates, adjunct positions, lecturers, and administrative positions. Total excludes those employed part time because they are students or retired. Physical sciences include earth, atmospheric, and ocean sciences; life sciences include biological, agricultural, environmental, and health sciences.

Source(s)

National Science Foundation, National Center for Science and Engineering Statistics, special tabulations (2017) of the 1973–2015 Survey of Doctorate Recipients (SDR).

Science and Engineering Indicators 2018