

Table 2-7

Employment sector of research doctorate recipients with definite postgraduation commitments for employment in the United States, by sex, citizenship status, ethnicity, and race: Selected years, 1992–2022

(Number and percent)

Employment commitment, sector, and year	Total ^a	Sex		Citizenship status		U.S. citizens and permanent residents							Ethnicity not reported
		Male	Female	U.S. citizen or permanent resident	Temporary visa holder	Hispanic or Latino	Not Hispanic or Latino						
							American Indian or Alaska Native	Asian ^b	Black or African American	White	More than one race	Other race or race not reported ^c	
All U.S. employment commitments (number)													
1992	15,632	8,910	6,719	14,048	1,581	415	79	556	563	12,293	na	59	83
1997	16,065	9,111	6,950	14,194	1,854	536	97	1,065	716	11,499	na	211	70
2002	16,287	8,533	7,754	13,769	2,506	668	84	800	833	10,917	121	166	180
2007	16,990	8,902	8,088	13,000	3,954	686	D	774	864	10,156	207	109	143
2012	15,376	8,208	7,167	12,065	3,261	694	D	831	724	9,314	264	78	110
2017	17,752	9,454	8,298	13,493	4,189	900	41	1,119	945	9,969	365	108	46
2022	21,450	11,395	10,053	14,950	6,360	1,381	42	1,413	1,306	10,115	491	119	83
Academe (%)													
1992	51.7	47.4	57.4	51.5	53.4	58.8	55.7	38.1	52.8	51.8	na	57.6	44.6
1997	45.8	39.6	53.8	47.9	29.1	56.9	41.2	28.9	54.1	49.0	na	49.3	38.6
2002	52.3	47.4	57.6	54.4	40.7	59.4	60.7	35.0	52.6	55.4	59.5	59.0	56.7
2007	51.1	45.0	57.8	55.3	37.1	59.6	49.2	41.2	54.9	56.2	58.0	62.4	47.6
2012	50.5	44.1	57.8	54.7	35.1	60.7	D	39.6	D	56.1	D	50.0	48.2
2017	46.5	38.9	55.1	50.9	32.2	55.3	51.2	39.1	52.1	51.7	48.8	49.1	54.3
2022	32.5	26.3	39.4	37.2	21.6	41.1	50.0	25.3	40.0	38.1	34.2	36.1	25.3
Government (%)													
1992	8.9	9.8	7.6	9.6	2.1	8.4	11.4	9.5	9.8	9.6	na	10.2	16.9
1997	7.3	8.7	5.6	8.1	1.7	6.5	9.3	5.6	8.2	8.3	na	6.6	17.1
2002	7.3	8.4	6.2	8.3	2.0	9.3	8.3	7.3	7.0	8.4	10.7	10.8	7.8
2007	6.0	6.6	5.4	7.4	1.6	7.3	19.7	5.8	7.5	7.3	9.7	8.3	7.7
2012	7.3	7.9	6.6	8.8	1.7	D	12.0	7.6	11.7	D	11.0	14.1	10.0
2017	7.2	7.4	7.0	9.2	0.9	10.4	D	7.1	13.0	8.9	D	13.0	13.0
2022	6.8	6.6	7.1	9.3	1.1	7.7	D	6.5	12.7	9.3	10.8	D	10.8
Industry or business (%) ^d													
1992	20.9	26.9	12.9	18.8	39.0	15.7	12.7	43.7	9.4	18.2	na	18.6	27.7
1997	26.7	35.3	15.5	22.1	61.9	15.7	19.6	50.4	11.0	20.5	na	21.8	24.3
2002	24.0	31.9	15.4	18.8	52.7	13.9	10.7	49.8	12.0	17.4	17.4	18.7	19.4
2007	27.1	36.6	16.7	18.4	55.8	13.0	D	42.4	10.5	17.7	D	17.4	18.2
2012	29.1	38.3	18.5	21.3	58.2	D	D	D	D	20.4	D	19.2	23.6
2017	34.7	44.7	23.3	26.2	62.2	22.6	29.3	44.7	14.1	25.5	29.0	25.9	23.9
2022	48.1	57.5	37.5	37.9	72.3	34.9	14.3	57.4	24.4	37.4	37.9	34.5	42.2
Nonprofit organization (%)													
1992	6.8	6.5	7.2	7.3	2.5	6.3	7.6	4.1	5.0	7.6	na	10.2	6.0

Table 2-7
Employment sector of research doctorate recipients with definite postgraduation commitments for employment in the United States, by sex, citizenship status, ethnicity, and race: Selected years, 1992–2022

(Number and percent)

Employment commitment, sector, and year	Total ^a	Sex		Citizenship status		U.S. citizens and permanent residents							
		Male	Female	U.S. citizen or permanent resident	Temporary visa holder	Hispanic or Latino	Not Hispanic or Latino						Ethnicity not reported
							American Indian or Alaska Native	Asian ^b	Black or African American	White	More than one race	Other race or race not reported ^c	
1997	5.6	5.1	6.3	6.1	2.3	5.0	6.2	3.9	4.9	6.4	na	6.6	5.7
2002	5.7	5.0	6.6	6.3	2.6	6.4	7.1	4.5	6.6	6.5	2.5	5.4	3.9
2007	4.4	3.4	5.5	5.0	2.4	4.5	D	4.4	4.9	5.1	D	4.6	7.0
2012	5.6	4.5	6.8	6.4	2.5	D	D	D	D	D	6.8	6.4	5.5
2017	6.3	5.4	7.3	7.2	3.4	5.2	D	6.6	8.6	7.3	D	5.6	4.3
2022	6.6	5.2	8.2	8.1	3.0	8.7	D	7.0	10.5	7.8	10.0	D	4.8
Other or unknown (%) ^e													
1992	11.8	9.3	15.0	12.7	3.0	10.8	12.7	4.5	23.1	12.8	na	3.4	4.8
1997	14.5	11.3	18.8	15.8	5.1	15.9	23.7	11.1	21.8	15.8	na	15.6	14.3
2002	10.6	7.4	14.1	12.2	2.0	10.9	13.1	3.5	21.8	12.2	9.9	6.0	12.2
2007	11.4	8.3	14.8	13.9	3.1	15.6	18.0	6.2	22.2	13.7	13.0	7.3	19.6
2012	7.5	5.2	10.2	8.8	2.5	9.5	4.0	4.3	19.3	8.4	6.1	10.3	12.7
2017	5.4	3.6	7.3	6.6	1.3	6.4	D	2.6	12.3	6.6	D	6.5	4.3
2022	6.0	4.4	7.9	7.6	1.9	7.5	14.3	3.8	12.3	7.5	7.1	5.9	16.9

D = suppressed to avoid disclosure of confidential information. na = not applicable; doctorate recipients were instructed to indicate only one race.

^a Includes doctorate recipients who did not report sex or citizenship status.

^b Includes Native Hawaiians or Other Pacific Islanders through 2000 but excludes them since 2001.

^c Before 2001, this category included doctorate recipients who selected more than one race. Since 2001, this category has included Native Hawaiians or Other Pacific Islanders, who previously had been included in the category Asian.

^d Includes doctorate recipients reporting self-employment.

^e Other is mainly composed of elementary and secondary schools.

Note(s):

Percentages based on number of doctorate recipients reporting definite postgraduation employment commitments and sector. A definite postgraduation commitment for employment includes accepting new employment or returning to predoctoral employment that is not a postdoctoral study (postdoc) position. Due to rounding, percentages may not sum to 100.

Source(s):

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