

TABLE 2-7

**Employment sector of research doctorate recipients with definite postgraduation commitments for non-postdoc employment in the United States, by sex, citizenship status, ethnicity, and race: Selected years, 1993–2023**

(Number and percent)

Employment commitment, sector, and year	Total <sup>a</sup>	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 <sup>b</sup>	Black or African American	White	More than one race	Other race or race not reported <sup>c</sup>	
All U.S. employment commitments (number)													
1993	15,029	8,371	6,657	13,676	1,350	446	65	577	622	11,897	na	41	28
1998	16,603	9,334	7,266	14,568	2,022	590	85	957	754	11,909	na	151	122
2003	15,636	8,097	7,539	13,424	2,192	681	66	717	852	10,674	156	131	147
2008	17,273	9,001	8,272	13,283	3,961	644	53	843	849	10,407	204	123	160
2013	15,033	8,133	6,900	11,774	3,200	603	37	802	750	9,155	259	88	80
2018	18,907	10,152	8,755	14,118	4,726	966	54	1,121	1,049	10,263	456	138	71
2023	22,462	11,771	10,688	15,575	6,764	1,414	56	1,623	1,376	10,340	527	144	95
Academe (%)													
1993	51.7	47.0	57.6	51.6	52.3	57.8	56.9	43.7	55.5	51.6	na	48.8	46.4
1998	45.7	39.6	53.6	48.1	28.9	55.8	52.9	27.3	49.7	49.2	na	49.0	46.7
2003	54.4	50.4	58.6	54.9	51.1	58.7	48.5	42.0	54.0	55.5	60.9	53.4	59.2
2008	51.1	44.6	58.2	55.0	37.8	56.7	D	41.9	51.2	56.5	D	53.7	51.3
2013	50.2	43.2	58.6	54.5	34.8	57.0	62.2	42.3	54.0	55.6	54.8	45.5	45.0
2018	43.2	36.8	50.6	47.5	30.2	53.9	59.3	35.3	43.9	48.5	51.1	38.4	46.5
2023	34.2	27.5	41.5	38.5	24.4	39.5	51.8	28.2	39.0	39.8	39.7	38.2	35.8
Government (%)													
1993	9.1	10.2	7.8	9.8	2.3	11.7	16.9	7.8	9.3	9.8	na	7.3	17.9
1998	7.1	8.2	5.8	7.9	1.6	7.1	D	6.7	7.7	8.1	na	D	12.3
2003	7.5	8.6	6.3	8.5	1.6	7.0	D	9.6	8.8	8.4	D	11.5	5.4
2008	6.2	6.8	5.6	7.7	1.5	6.5	D	7.9	9.9	7.4	D	6.5	6.9
2013	7.5	8.2	6.8	9.2	1.4	9.6	D	7.0	11.7	9.2	6.9	D	10.0
2018	6.8	7.0	6.5	8.7	1.2	8.6	9.3	7.3	13.7	8.2	10.3	9.4	9.9
2023	6.8	6.8	6.9	9.2	1.3	9.5	8.9	7.6	11.8	9.2	8.2	5.6	12.6
Industry or business (%) <sup>d</sup>													
1993	20.3	26.5	12.5	18.5	38.8	15.7	7.7	40.0	8.2	18.1	na	22.0	17.9
1998	28.7	38.1	16.7	23.9	63.8	14.2	16.5	52.7	12.9	22.7	na	25.8	24.6
2003	20.8	27.7	13.3	17.2	42.4	12.5	16.7	38.1	10.3	16.8	13.5	19.8	12.2
2008	27.0	36.5	16.7	18.4	55.8	15.8	D	40.0	10.7	17.4	D	19.5	19.4
2013	30.1	39.4	19.1	21.9	60.1	19.1	D	41.6	13.6	21.0	22.4	D	22.5
2018	36.8	46.1	26.0	27.8	63.8	21.3	D	45.6	17.5	27.7	24.3	D	26.8
2023	46.7	56.6	35.9	36.8	69.6	34.0	21.4	53.2	25.3	36.1	39.7	41.0	30.5
Nonprofit organization (%)													
1993	6.0	5.8	6.3	6.4	2.1	4.5	D	4.3	3.7	6.8	na	D	3.6

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Employment commitment, sector, and year	Total <sup>a</sup>	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 <sup>b</sup>	Black or African American	White	More than one race	Other race or race not reported <sup>c</sup>	
1998	5.3	4.3	6.5	5.7	2.1	5.6	D	5.2	4.5	5.8	na	D	3.3
2003	6.0	5.4	6.6	6.5	2.7	6.6	D	6.6	5.0	6.7	D	6.1	4.1
2008	4.7	4.0	5.5	5.4	2.4	5.9	D	5.0	6.6	5.3	D	6.5	6.3
2013	5.6	4.5	6.8	6.4	2.5	6.0	13.5	5.5	6.1	6.4	8.1	10.2	12.5
2018	6.4	5.2	7.7	7.5	3.0	6.4	D	7.8	8.5	7.4	7.0	D	2.8
2023	6.5	4.9	8.3	8.0	3.2	7.9	8.9	7.4	11.3	7.6	8.7	4.9	6.3
Other or unknown (%) <sup>e</sup>													
1993	12.9	10.5	15.8	13.7	4.4	10.3	D	4.2	23.3	13.8	na	D	14.3
1998	13.1	9.9	17.3	14.5	3.6	17.3	18.8	8.2	25.2	14.2	na	13.2	13.1
2003	11.4	7.9	15.1	12.9	2.2	15.1	16.7	3.8	21.8	12.6	12.2	9.2	19.0
2008	11.0	8.2	14.0	13.5	2.5	15.1	D	5.2	21.6	13.5	D	13.8	16.3
2013	6.6	4.8	8.8	8.0	1.3	8.3	5.4	3.6	14.5	7.8	7.7	14.8	10.0
2018	6.8	4.8	9.2	8.6	1.6	9.7	7.4	4.0	16.4	8.2	7.2	10.9	14.1
2023	5.8	4.2	7.5	7.6	1.4	9.1	8.9	3.6	12.6	7.4	3.8	10.4	14.7

D = suppressed to avoid disclosure of confidential information. na = not applicable; doctorate recipients were instructed to indicate only one race before 2001.

<sup>a</sup> Total includes doctorate recipients who did not report sex or citizenship status.

<sup>b</sup> Asian includes Native Hawaiians or Other Pacific Islanders through 2000 but excludes them since 2001.

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

<sup>d</sup> Industry or business includes self-employment.

<sup>e</sup> Other is mainly composed of elementary and secondary schools.

**Note(s):**  
Percentages are based on the number of definite commitments for a postdoctoral study (postdoc) position.

**Source(s):**  
National Center for Science and Engineering Statistics, Survey of Earned Doctorates.