

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, 1994–2024

(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)													
1994	15,141	8,344	6,795	13,922	1,217	465	70	817	640	11,865	na	26	39
1999	16,267	9,033	7,234	14,236	2,020	561	90	871	848	11,649	na	149	68
2004	14,870	7,656	7,214	12,539	2,314	553	64	644	896	9,910	162	150	160
2009	17,179	8,912	8,267	13,620	3,529	711	46	838	916	10,439	250	131	289
2014	14,802	8,005	6,797	11,477	3,280	625	D	782	705	8,925	274	D	60
2019	19,414	10,389	9,024	14,309	5,039	1,030	50	1,258	1,163	10,167	436	137	68
2024	20,469	10,510	9,959	14,576	5,819	1,319	41	1,467	1,367	9,587	529	181	85
Academe (%)													
1994	51.2	45.7	58.0	51.5	48.0	57.8	67.1	37.2	54.2	52.0	na	73.1	56.4
1999	48.8	43.3	55.6	50.8	34.3	58.3	53.3	34.8	55.3	51.3	na	51.7	50.0
2004	56.1	51.6	60.8	56.9	51.8	61.8	53.1	45.7	52.6	57.7	64.2	55.3	53.1
2009	51.8	45.7	58.3	54.6	40.9	56.1	41.3	45.5	51.5	55.6	60.0	51.9	50.9
2014	49.2	41.8	58.0	53.8	33.4	55.5	69.7	39.1	51.2	55.1	56.6	38.4	53.3
2019	41.3	34.3	49.3	45.2	30.4	48.4	46.0	33.1	45.1	46.5	43.1	46.7	36.8
2024	39.6	33.4	46.0	42.5	32.2	43.4	46.3	32.6	39.6	44.8	40.1	33.7	28.2
Government (%)													
1994	8.6	9.8	7.2	9.2	2.0	8.6	10.0	6.1	9.4	9.4	na	3.8	15.4
1999	7.5	8.4	6.5	8.4	1.5	8.2	8.9	5.7	7.8	8.6	na	10.1	8.8
2004	7.4	8.4	6.2	8.4	2.0	7.4	D	6.7	9.5	8.3	D	9.3	13.1
2009	6.7	7.2	6.2	8.1	1.5	8.0	17.4	8.0	8.7	7.9	7.2	9.2	10.7
2014	7.3	7.7	6.8	8.9	1.8	9.3	D	7.2	14.0	8.6	9.5	D	8.3
2019	7.2	7.5	6.8	9.3	1.2	8.7	16.0	7.7	11.9	9.3	10.3	3.6	11.8
2024	7.6	7.6	7.6	9.8	2.0	10.0	12.2	7.7	11.4	9.8	11.2	11.0	12.9
Industry or business (%) <sup>d</sup>													
1994	21.1	28.3	12.2	19.3	41.8	11.8	14.3	48.5	7.2	18.3	na	15.4	20.5
1999	27.5	36.0	16.9	23.0	59.7	17.3	13.3	49.7	12.0	22.0	na	22.8	32.4
2004	18.9	26.0	11.4	15.0	39.9	15.2	9.4	36.8	8.1	14.2	15.4	22.0	12.5
2009	25.7	34.6	16.2	18.7	52.9	16.3	19.6	35.8	11.6	17.9	18.0	22.9	23.9
2014	32.2	42.3	20.3	23.7	61.9	20.8	15.2	43.6	14.5	22.9	20.8	41.1	23.3
2019	38.5	48.4	27.1	29.6	63.8	26.3	16.0	48.0	17.5	29.0	30.3	29.9	32.4
2024	40.4	49.7	30.5	32.2	60.9	28.7	19.5	50.8	26.3	30.3	35.9	37.0	41.2
Nonprofit organization (%)													
1994	6.5	6.4	6.7	6.8	3.3	5.4	D	4.4	4.2	7.2	na	D	-

**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, 1994–2024**

(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>	
1999	5.4	4.6	6.4	5.9	2.3	4.3	7.8	5.6	4.4	6.1	na	6.7	2.9
2004	5.7	5.6	5.7	6.1	3.5	4.0	D	6.1	6.0	6.3	D	7.3	7.5
2009	4.7	4.3	5.1	5.3	2.3	3.9	D	4.8	5.7	5.4	6.4	D	4.2
2014	5.4	4.2	6.8	6.3	2.0	6.2	D	5.5	6.8	6.4	5.8	D	5.0
2019	6.4	5.0	7.9	7.6	2.8	8.2	12.0	6.4	10.5	7.4	8.3	6.6	4.4
2024	6.5	4.9	8.2	7.9	3.1	7.8	12.2	5.8	10.5	7.7	8.5	9.4	5.9
Other or unknown (%) <sup>e</sup>													
1994	12.5	9.8	15.9	13.2	4.9	16.3	D	3.8	25.0	13.2	na	D	7.7
1999	10.8	7.7	14.6	12.0	2.2	11.9	16.7	4.1	20.5	12.0	na	8.7	5.9
2004	11.9	8.3	15.8	13.6	2.8	11.6	28.1	4.8	23.8	13.5	8.0	6.0	13.8
2009	11.1	8.2	14.2	13.3	2.5	15.6	D	6.0	22.5	13.2	8.4	D	10.4
2014	5.9	4.0	8.1	7.3	0.9	8.2	D	4.6	13.5	7.0	7.3	D	10.0
2019	6.7	4.7	8.9	8.3	1.9	8.3	10.0	4.8	15.0	7.8	8.0	13.1	14.7
2024	6.0	4.3	7.7	7.6	1.8	10.2	9.8	3.1	12.1	7.4	4.3	8.8	11.8

- = not calculable. 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 doctorate recipients reporting definite postgraduation employment commitments in the United States. 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.