

Table 46
Employment sector of doctorate recipients with definite postgraduation commitments for employment in the United States, by broad field of study: Selected years, 1999–2019

(Number and percent)

Employment commitment, sector, and year	Total	Life sciences ^a	Physical sciences and earth sciences	Mathematics and computer sciences	Psychology and social sciences	Engineering	Education	Humanities and arts	Other ^b
All U.S. employment commitments (number)									
1999	16,267	1,681	1,127	877	2,933	2,265	3,788	2,422	1,174
2004	14,870	1,565	800	741	2,663	1,726	3,697	2,407	1,271
2009	17,179	2,029	1,029	1,232	2,947	2,606	3,696	2,161	1,479
2014	14,802	1,907	1,076	1,335	2,605	2,736	2,101	1,767	1,275
2019	19,424	3,005	1,616	1,877	3,145	3,666	2,608	1,927	1,580
Academe (%) ^c									
1999	48.8	47.5	21.1	48.1	51.9	14.1	47.2	80.7	75.7
2004	56.1	52.3	27.6	62.3	60.8	22.0	50.2	83.3	77.1
2009	51.8	50.0	27.8	40.8	63.0	14.4	50.3	83.9	80.2
2014	49.2	46.9	25.0	33.0	60.1	14.9	59.4	81.8	80.0
2019	41.3	36.0	17.1	27.5	51.7	12.2	56.8	72.3	75.9
Government (%) ^c									
1999	7.5	12.7	9.6	5.2	11.5	9.5	5.3	2.0	4.8
2004	7.4	14.2	10.8	5.3	10.7	10.6	4.0	2.2	6.1
2009	6.7	12.3	10.0	4.7	9.9	8.5	3.8	1.6	3.7
2014	7.3	10.5	7.4	4.3	10.6	10.0	4.7	2.1	4.5
2019	7.2	8.5	9.2	4.6	12.3	8.3	3.8	1.9	5.6
Industry or business (%) ^{c,d}									
1999	27.5	29.8	65.6	43.7	20.1	74.2	6.9	6.4	14.5
2004	18.9	23.6	53.6	29.4	13.4	61.8	3.9	4.2	10.3
2009	25.7	25.3	55.8	49.7	14.6	73.1	4.1	3.4	10.8
2014	32.2	31.3	63.0	59.3	16.5	72.1	3.6	4.6	10.8
2019	38.5	42.4	69.0	63.8	21.6	74.3	5.6	7.5	12.4
Nonprofit organization (%) ^c									
1999	5.4	7.3	2.1	1.7	10.6	1.6	4.4	6.8	3.4
2004	5.7	7.0	5.6	2.0	9.5	4.4	4.1	5.8	4.3
2009	4.7	7.8	2.7	2.5	7.1	2.1	4.5	5.9	2.2
2014	5.4	9.4	2.5	2.2	9.0	2.5	4.5	6.7	3.4
2019	6.3	10.1	2.2	2.4	9.1	3.4	7.1	9.8	4.1
Other or unknown (%) ^{c,e}									
1999	10.8	2.7	1.6	1.3	5.8	0.6	36.2	4.1	1.6
2004	11.9	3.0	2.4	0.9	5.6	1.2	37.8	4.5	2.2

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2009	11.1	4.6	3.7	2.3	5.4	1.9	37.3	5.2	3.1
2014	5.9	1.9	2.0	1.2	3.9	0.4	27.9	4.8	1.3
2019	6.7	3.1	2.5	1.7	5.3	1.9	26.7	8.6	2.1

^a Includes agricultural sciences and natural resources; biological and biomedical sciences; and health sciences.

^b Includes other non-science and engineering fields not shown separately.

^c Percentages based on number reporting definite employment commitments in the United States.

^d Includes doctorate recipients who indicated self-employment.

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

Note(s):

Due to rounding, percentages may not sum to 100.

Source(s):

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