

TABLE 78

Headcount and FTEs of R&D personnel at higher education institutions, by personnel function and sex: FYs 2020–23

(Number)

Personnel functions	2020		2021		2022		2023	
	Headcount	FTEs	Headcount	FTEs	Headcount	FTEs	Headcount	FTEs
All personnel functions	965,442	457,440	972,579	471,904	1,037,272	500,603	1,064,295	518,383
Female	NA	na	NA	na	518,986	na	536,507	na
Male	NA	na	NA	na	493,670	na	503,932	na
Sex unknown or not stated	NA	na	NA	na	24,616	na	23,856	na
Researchers	345,339	180,339	358,483	188,483	369,591	196,789	380,165	200,061
Female	NA	na	NA	na	154,300	na	162,744	na
Male	NA	na	NA	na	206,881	na	209,952	na
Sex unknown or not stated	NA	na	NA	na	8,410	na	7,469	na
R&D technicians	356,499	178,529	371,958	183,475	391,541	181,806	403,388	195,114
Female	NA	na	NA	na	200,954	na	207,743	na
Male	NA	na	NA	na	182,083	na	188,066	na
Sex unknown or not stated	NA	na	NA	na	8,504	na	7,579	na
R&D support staff	263,604	98,572	242,138	99,946	276,140	122,008	280,742	123,208
Female	NA	na	NA	na	163,732	na	166,020	na
Male	NA	na	NA	na	104,706	na	105,914	na
Sex unknown or not stated	NA	na	NA	na	7,702	na	8,808	na

NA = not available; headcount demographic subfields are not available for FYs 2020 and 2021. na = not applicable; FTEs by sex are not collected.

FTE = full-time equivalent.

Note(s):

FTE R&D personnel are calculated as the total working effort spent on R&D during a specific period divided by the total effort representing a full-time schedule within the same period. This table includes only institutions reporting \$1 million or more in total R&D expenditures in FY 2022. Institutions reporting less than \$1 million in total R&D expenditures in FY 2022 completed a shorter version of the survey form in FY 2023 that did not include this question.

Source(s):

National Center for Science and Engineering Statistics, Higher Education Research and Development Survey.