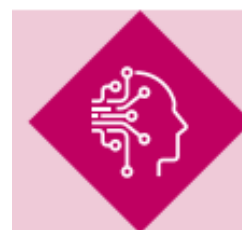


Registration Statistics 2023



Contents

Introduction & key terms	2
Overview	3
Age	4
Sex	5
Age and sex	6
Titles	7
International	8

Introduction

Our Annual Statistics Report allows us to present statistics on our key database – the national Register of those engineers and technicians that have been assessed against our Standards of professional competence and commitment.



Paul Bailey
Chief Executive Officer

June 2024

Key terms

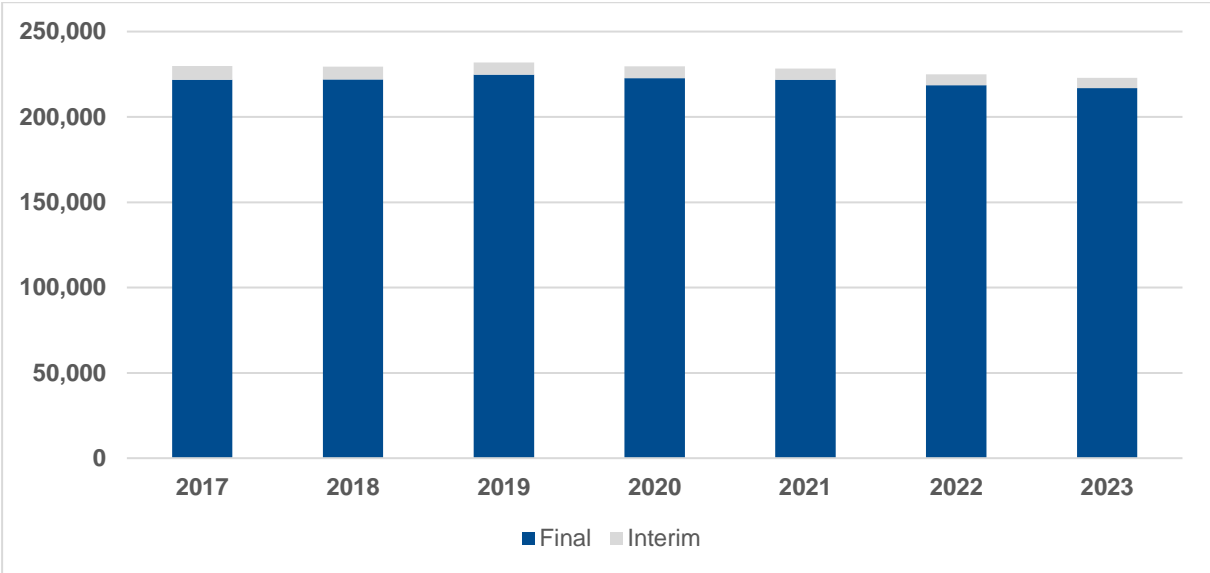
Term	Definition
Register	The record of engineers and technicians who have been assessed against Engineering Council Standards and awarded one of our professional titles.
Registrant	An individual recorded on the Register, who has been awarded one or more titles.
Title	A professional engineering title (EngTech, IEng, CEng or ICTTech) recorded on the Register, more than one of which may be held by an individual registrant.

This report presents data about the composition of the Register at the end of the 2023 compared with previous years, and the change in this composition during 2023, compared with the change during previous years.

Overview

There were 222,914 people on the Register in 2023.

After an increase in the number of final stage registrants in 2018 and 2019, this took a downward turn in 2020. It has decreased by 2.4% since then.

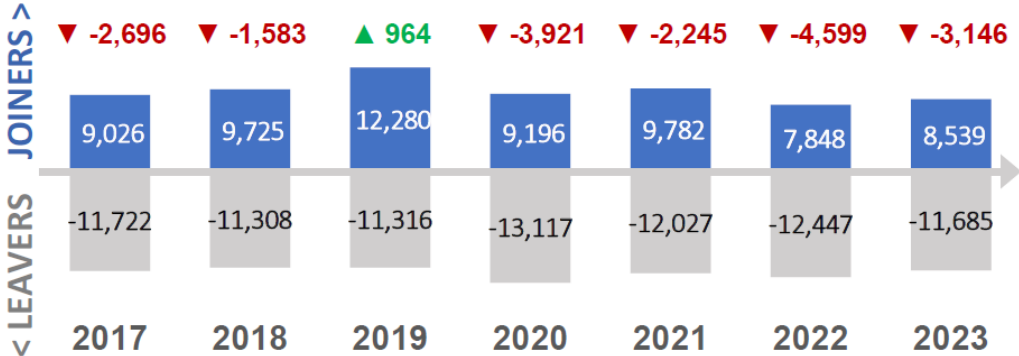


Number of registrants by year

Note: Around 6,000 engineers and technicians hold interim titles, having registered their intention to work towards one of the professional titles above.

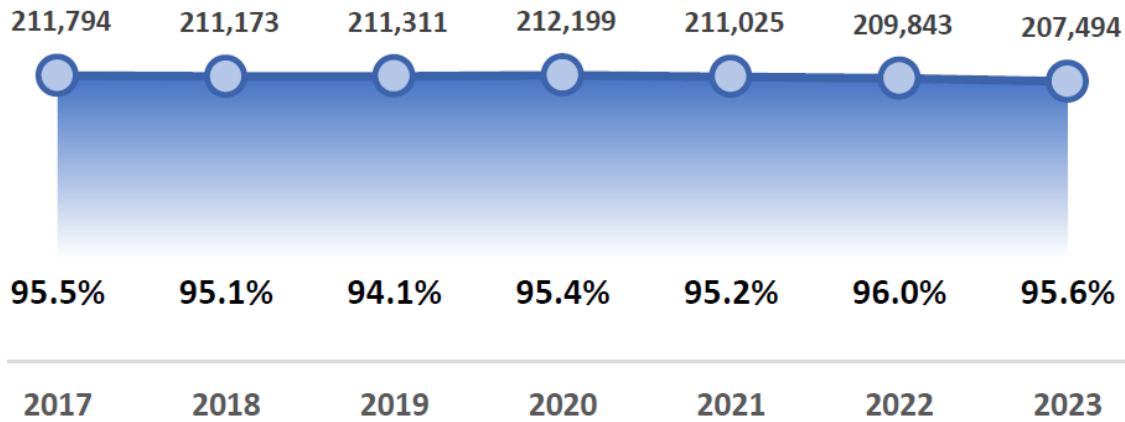
8,539 people joined the Register in 2023 and 11,685 left it.

- Compared with the previous year, there was a 6% reduction in the number of people leaving the Register in 2023, and a 9% increase in the number joining.
- Fewer people left the Register in 2023 than in any of the past four years.
- Between 2018 and 2023, each year on average 2,422 more people left the Register than joined it



The retention rate in 2023 was 95.6%.

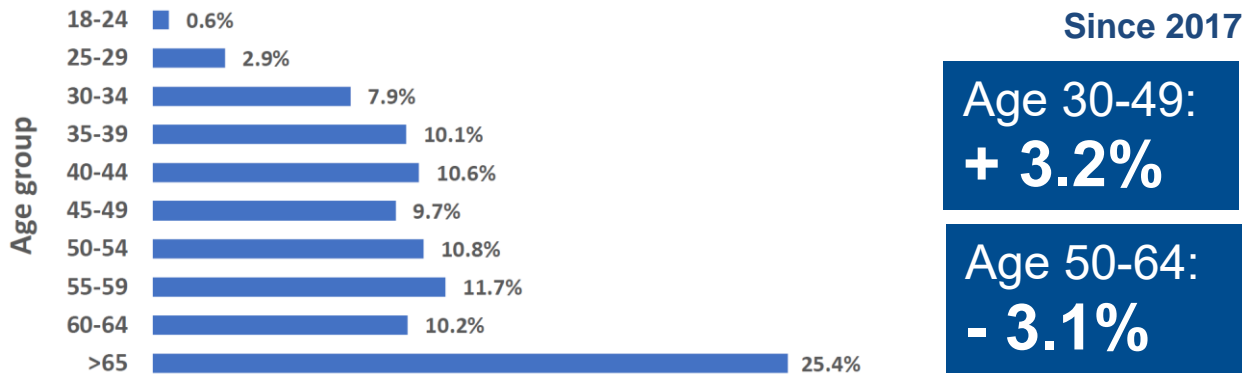
- This is the second-highest retention rate in the past six years. During this time it has consistently remained between 95% and 96%.



Age

In 2023, nearly a third of registrants were aged 50-64, and more than a quarter were aged 65 or above.

Overall, the proportion of younger registrants is increasing over time.

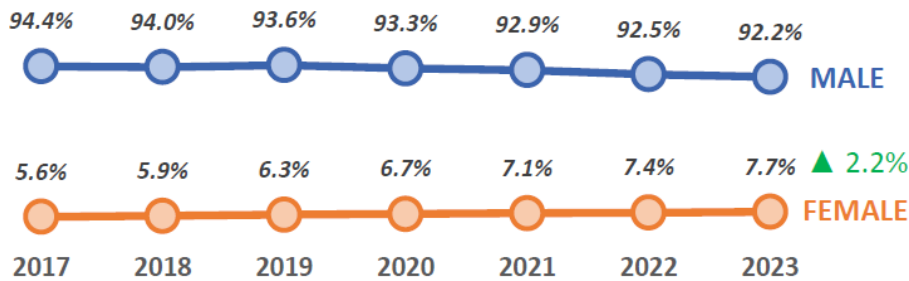


- The proportion of registrants aged between 30 and 49 is increasing year on year. It has increased from 34.7% in 2017 to 37.9% in 2023.
- The proportion of those aged between 50 and 64 is decreasing at a similar rate. It has decreased from 36.3% in 2017 to 33.2% in 2023.

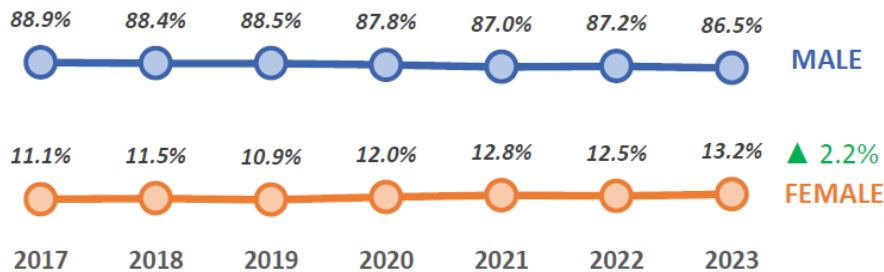
Sex

While the vast majority of registrants in 2023 were male (92.2%) the proportion of females is increasing year-on-year.

- The proportion of females on the Register has increased from 5.6% in 2017 to 7.7% in 2023.
- 1,097 females were added to the Register in 2023, representing 13.2% of all new registrants.
- The number of females added to the Register has ebbed and flowed over the past six years. However, the percentage of new registrants who are female has increased steadily. It has increased from 11.1% in 2017 to 13.2% in 2023.
- There are 4,451 more females on the Register in 2023 than there were in 2017, but there are also 9,394 fewer males on the Register across the same time period.



% Total registrants by sex



% New registrants by sex

Year	2017	2018	2019	2020	2021	2022	2023
Male	209,357	208,645	210,321	207,385	205,896	202,264	199,963
Female	12,358	13,206	14,189	14,853	15,632	16,150	16,809

Number of total registrants by sex

Year	2017	2018	2019	2020	2021	2022	2023
Male	7,843	8,438	10,586	7,770	8,219	6,617	7,160
Female	979	1,099	1,305	1,065	1,210	950	1,097

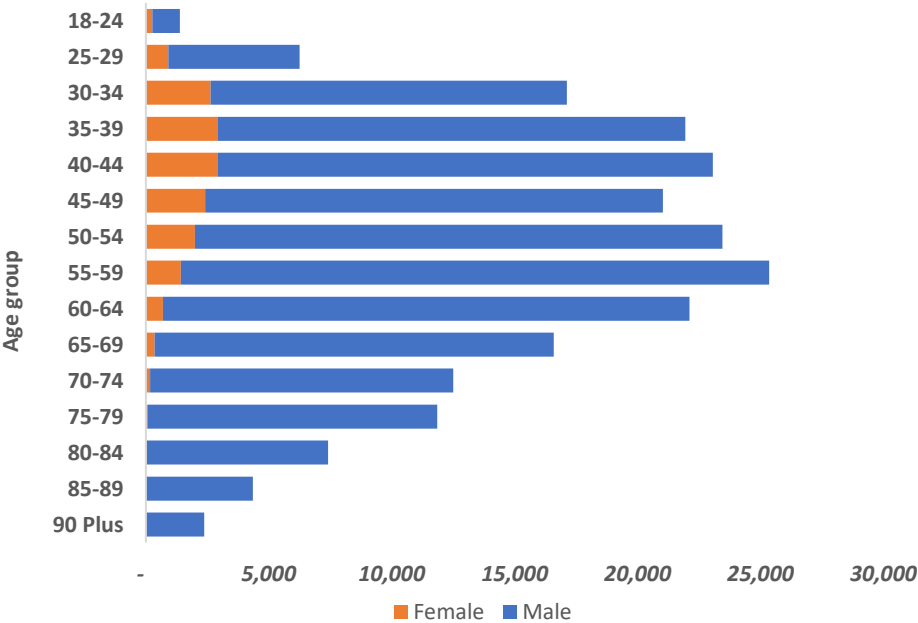
Number of new registrants by sex

Age and sex

The average age at which people join the Register is 33. The average age at which they leave is 59.

- Females tend to join the Register a few years earlier than males, at the average age of 31, as opposed to 34.
- The average age at which females leave the Register is 43, compared with 60 for males.
- The proportion of female registrants is highest in the 35-39 age group.

	Average age at joining	Average years active Registration	Average age at leaving
Overall	33	23	59
Female	31	11	43
Male	34	23	60

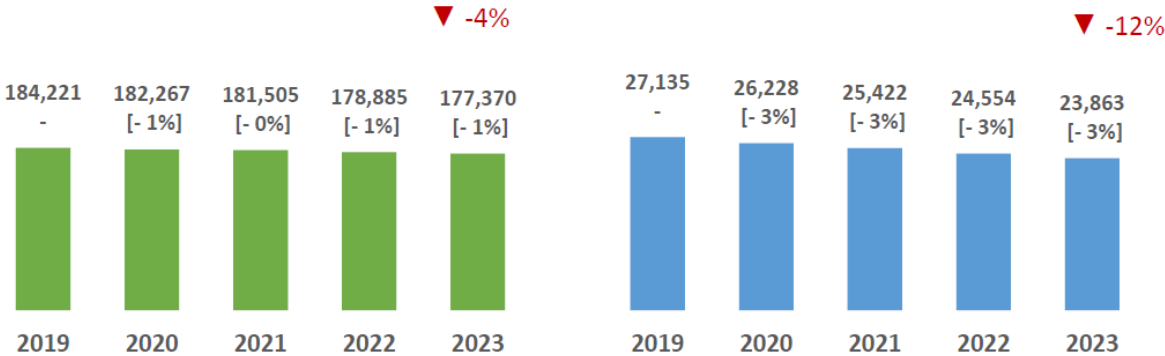


Registrant sex by age group

Titles

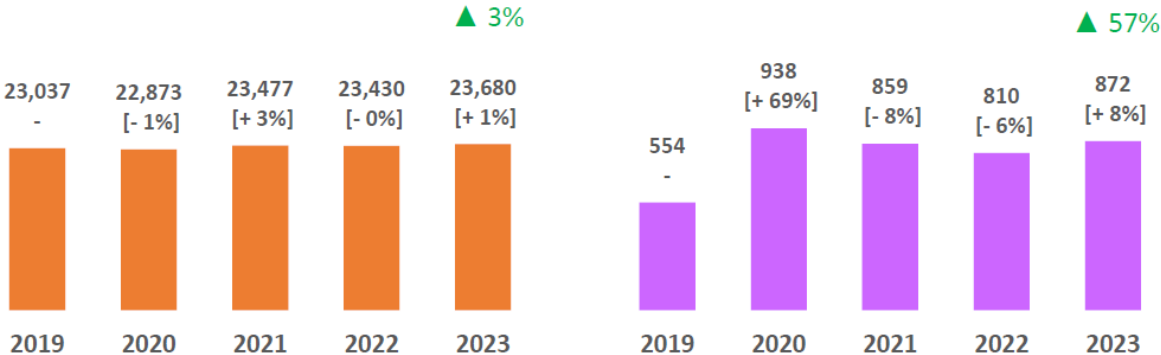
There were 225,785 titles recorded on the Register in 2023.

- This number is falling slightly, following the same trajectory as the number of registrants.
- The number of Chartered Engineer (CEng) and Incorporated Engineer (IEng) titles have both reduced. The number of Engineering Technician (EngTech) and ICT Technician (ICTTech) titles are both increasing.
- Since 2019, the change in the number of titles has been as follows:
 - CEng: Fallen by 4% (184,221 to 177,370)
 - IEng: Fallen by 12% (27,135 to 23,863)
 - EngTech: Risen by 3% (23,037 to 23,680)
 - ICTTech: Risen by 57% (554 to 872)



CEng titles

IEng titles

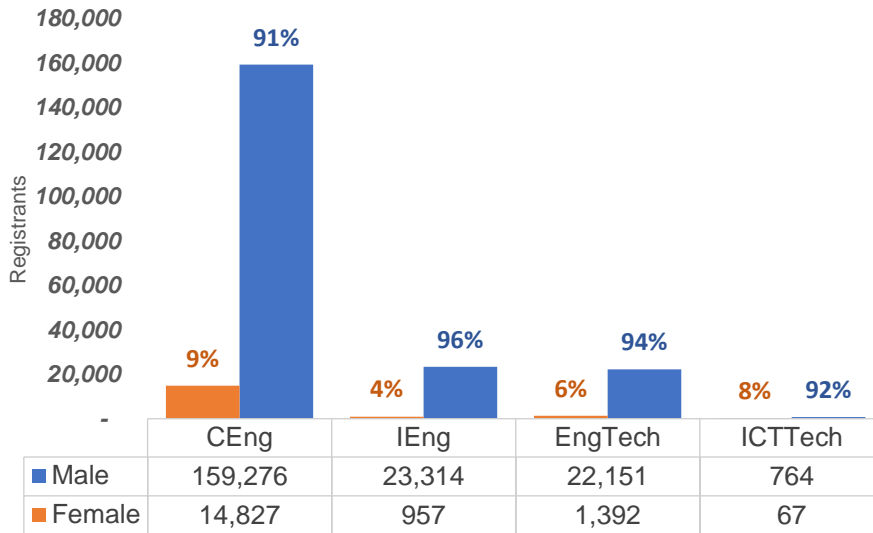


EngTech titles

ICTTech titles

- Of the registrants holding CEng as their highest title, 9% are female. This is the title with the highest number (14,827) and proportion of females.

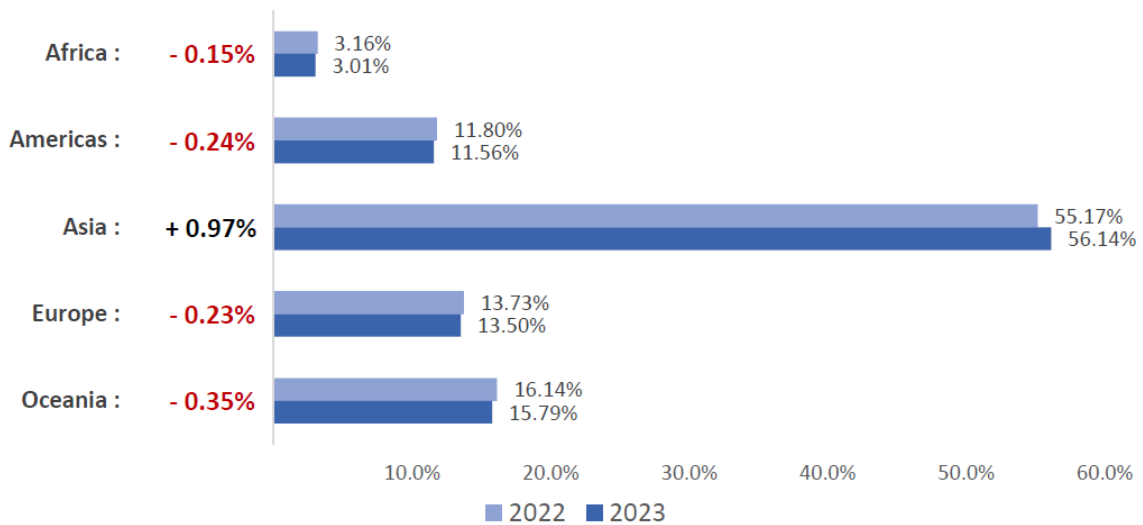
Registrant sex by highest title



International

While a large majority of titles are held in the UK, 25% were held outside the UK in 2023.

- This is an increase of 1% from the previous year.
- Of the titles held outside the UK, 56.1% are held in Asia, 15.8% in Oceania, 13.5% in Europe, 11.6% in Americas and 3.0% in Africa.



Titles by continent