



## A-Level Results Analysis, 2019

15<sup>h</sup> August 2019

EducationInvestor  
Awards 2015

**WINNER**

Consultants  
- to the private sector

EducationInvestor  
Awards 2016

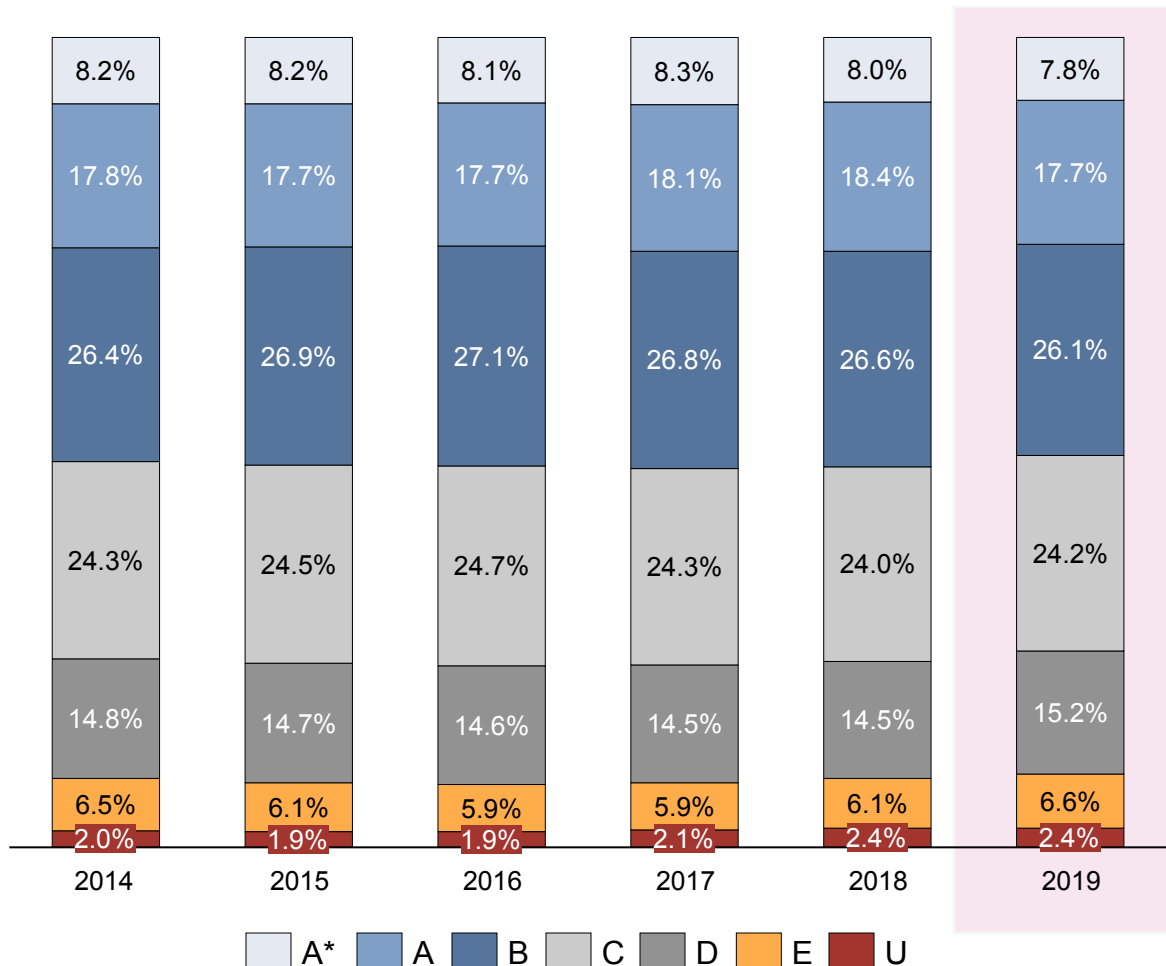
**WINNER**

Consultants  
- to the private sector

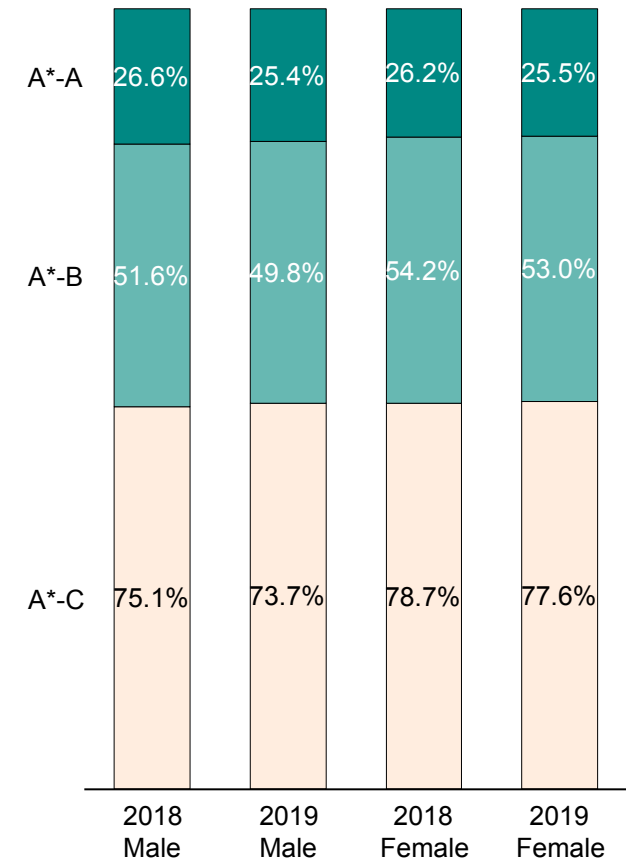
## GRADE DISTRIBUTION

Overall grade distribution has remained relatively stable over the past 6 years. Grade performance has slightly decreased from both the male and female population

### Grade distribution, All Subjects, 2014-2019

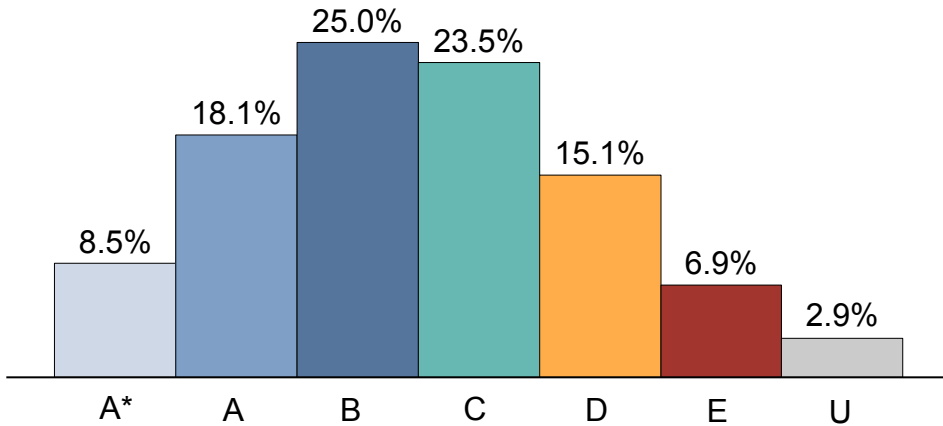


### Grade performance Male vs Female, 2018-2019

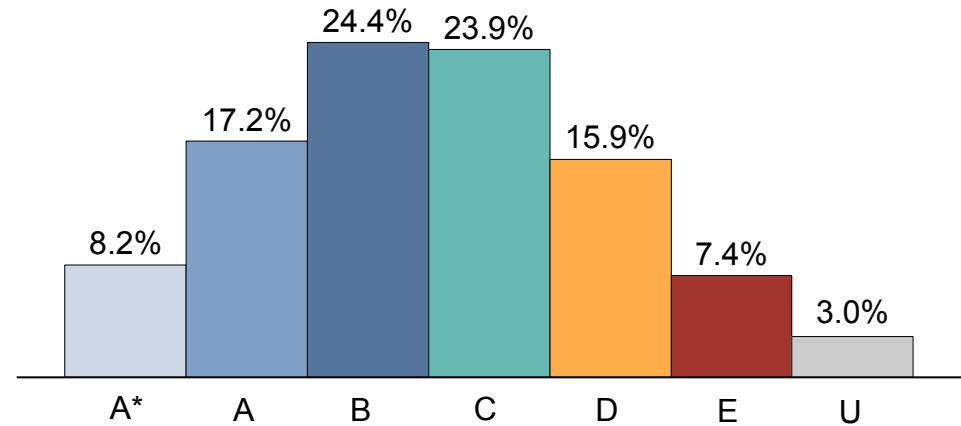


The average grade distribution for both male and female in 2019 has been slightly weaker compared to 2018

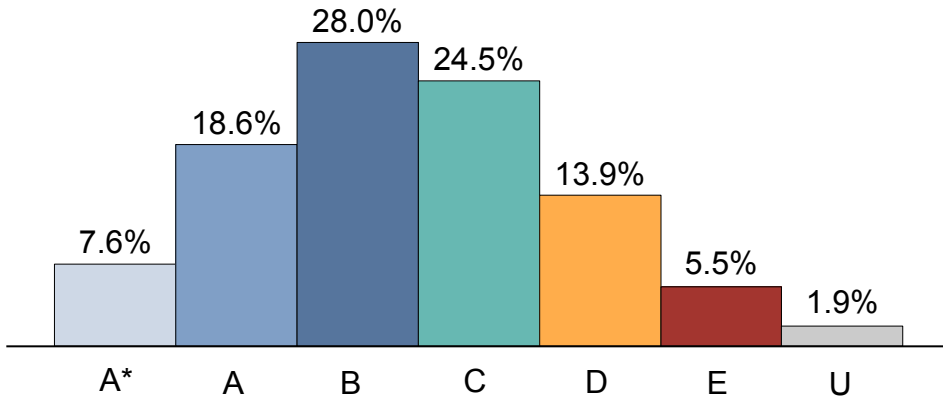
Average male grade distribution, all subjects, 2018



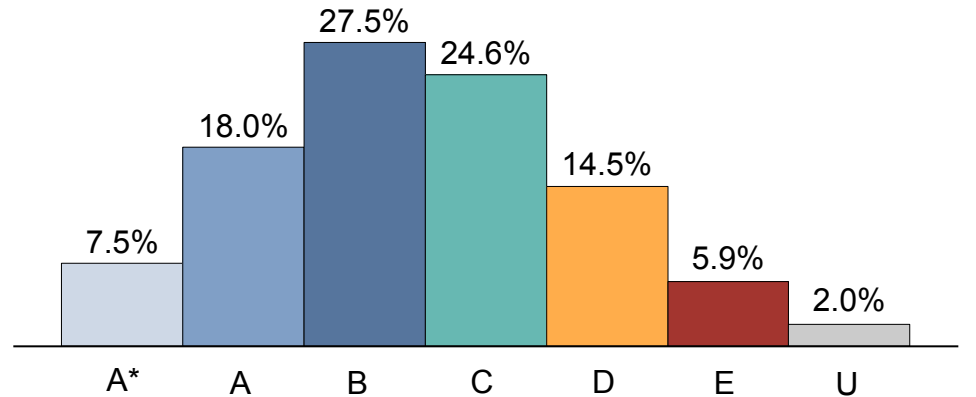
Average male grade distribution, all subjects, 2019



Average female grade distribution, all subjects, 2018

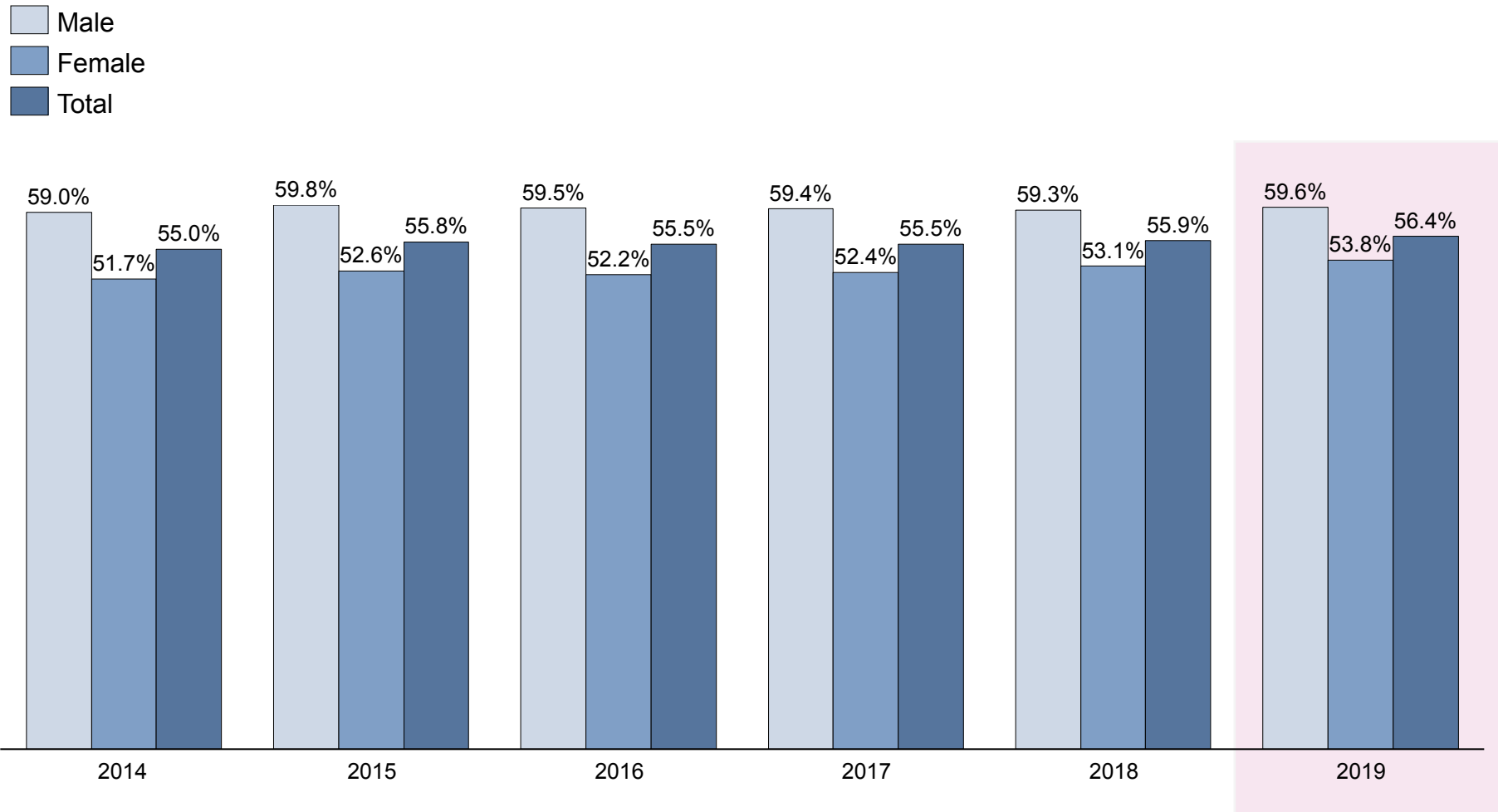


Average female grade distribution, all subjects, 2019



# The proportion of students taking facilitating subjects has been stable over time

Facilitating subjects<sup>1</sup> entries as a % of total entries, 2014-2019

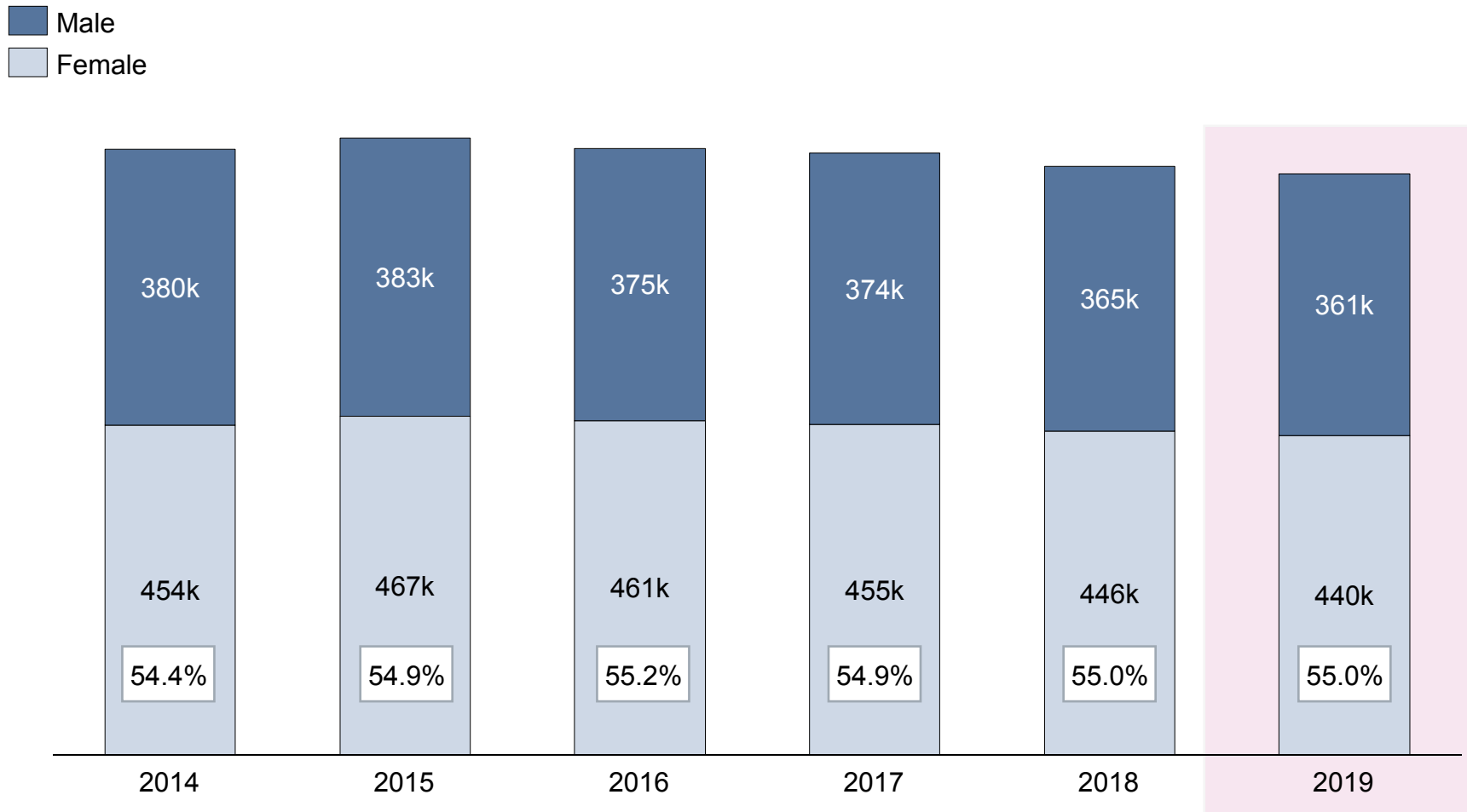


Source: JCQ Results 2014-2019

<sup>1</sup> Facilitating subjects include Biology, Chemistry, English (all subjects), French, Geography, German, History, Mathematics, Mathematics (Further), Physics, Spanish, and Other Modern languages. This differs from the JCQ definition, which only includes English Literature

## Girls have a much larger share of all A level entries

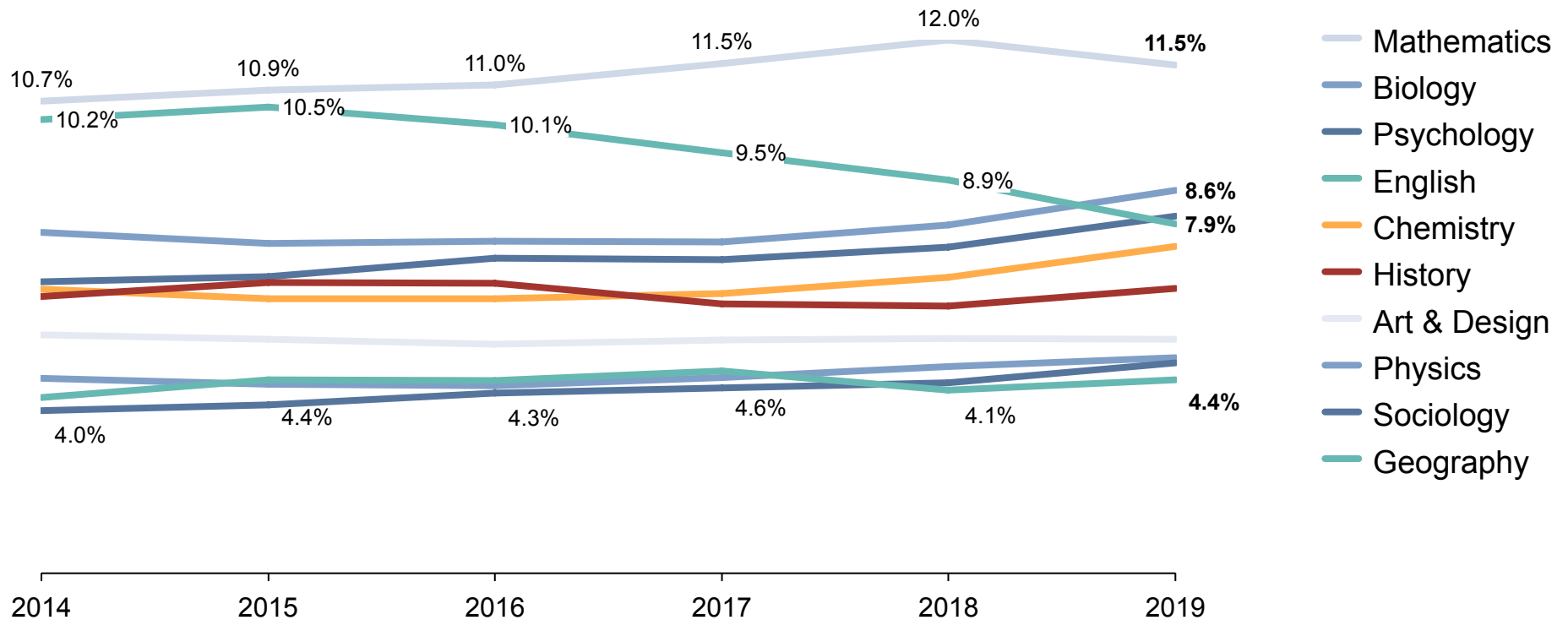
Total number of A-level entries by gender and proportion of total entries



## SUBJECT POPULARITY

The top 10 subjects by proportion of entries has barely changed in the last 6 years. However, English has strongly declined, mathematics has dipped for the first time since 2014, and Biology and Psychology have become more popular

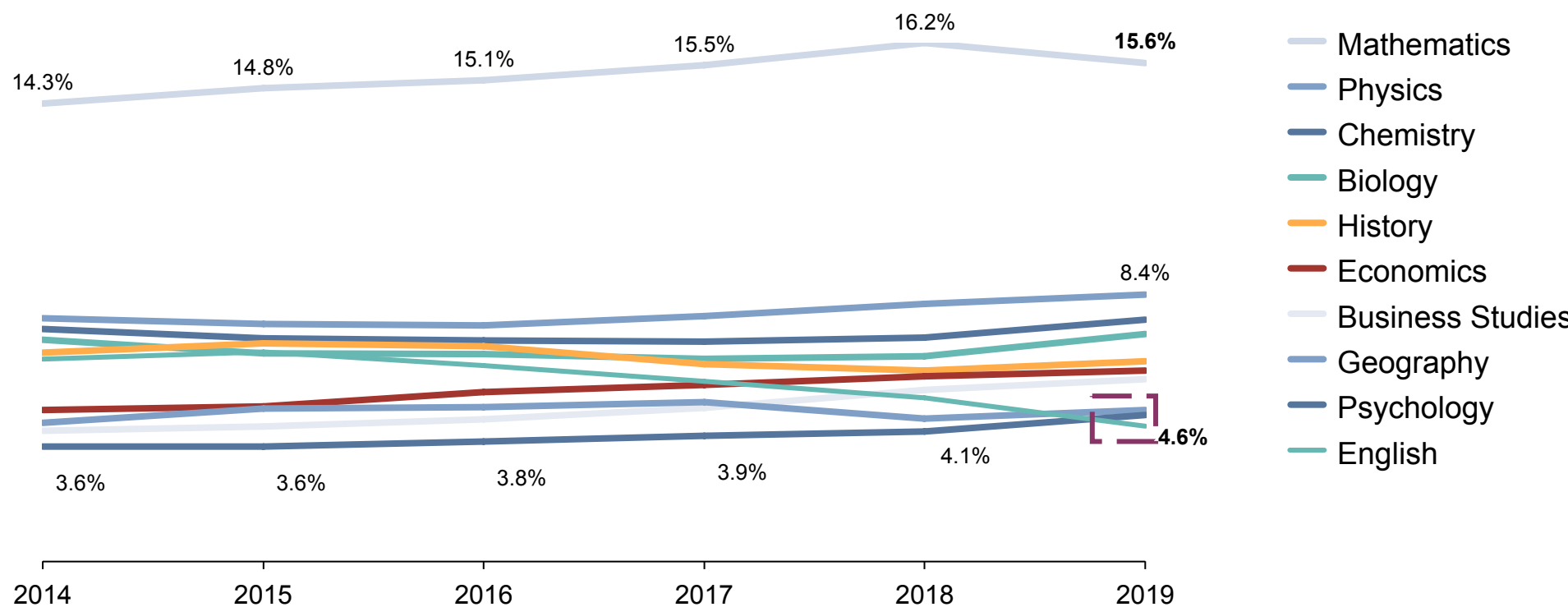
Number of entries as % of total entries, top 10 subjects, 2014-2019



## SUBJECT POPULARITY

The top 10 subjects by proportion of entries for males has changed only slightly in the last 6 years. This year, Geography and Psychology have surpassed English

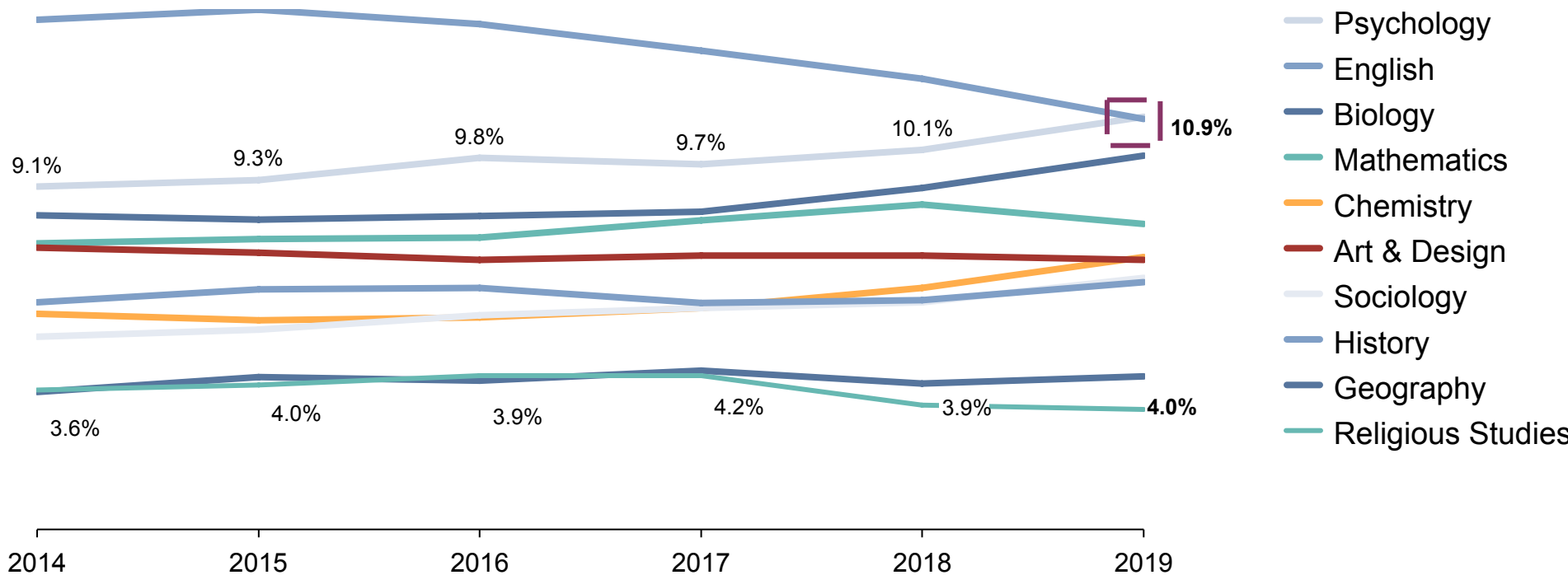
Number of male entries as % of total male entries, top 10 subjects, 2014-2019



## SUBJECT POPULARITY

The top 10 subjects by proportion of entries for females has changed in the last 6 years. This year, Psychology has surpassed English as the top subject. Biology and chemistry have also increased

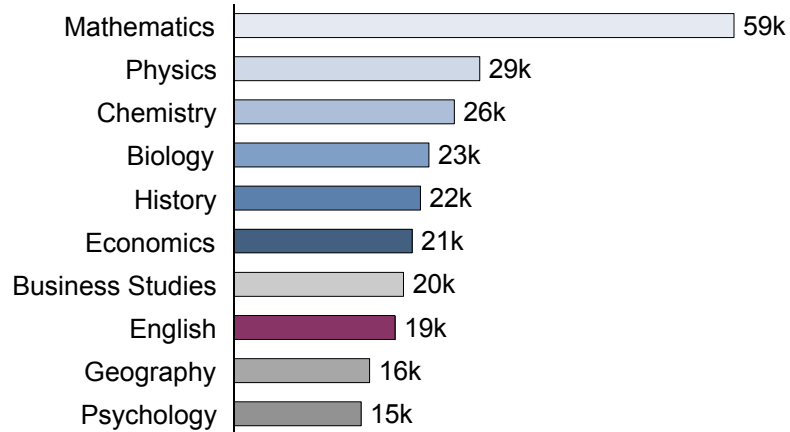
Number of female entries as % of total female entries, top 10 subjects, 2014-2019



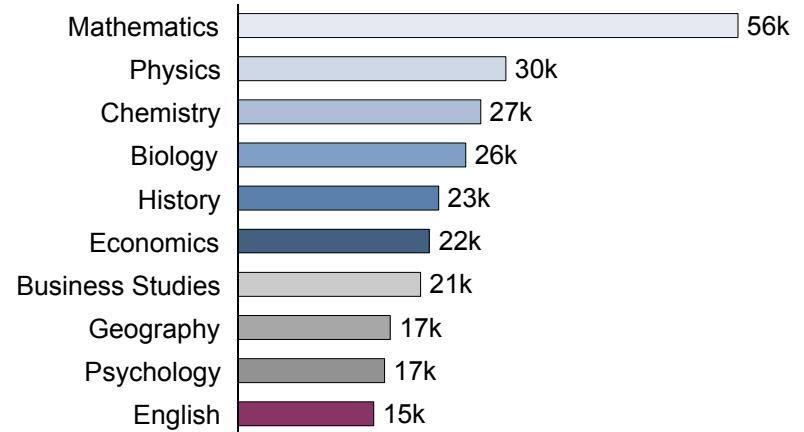


# Maths is the most popular subject among boys, while Psychology is top for girls (new for 2019)

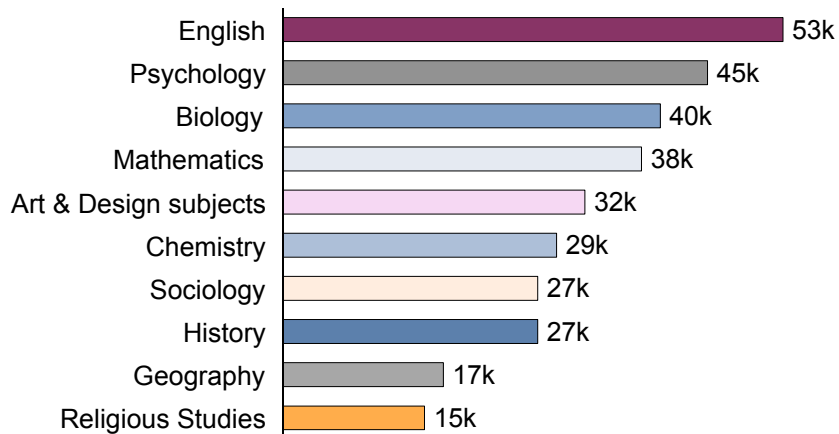
**Top 10 most popular subjects by entries, male (2018)**



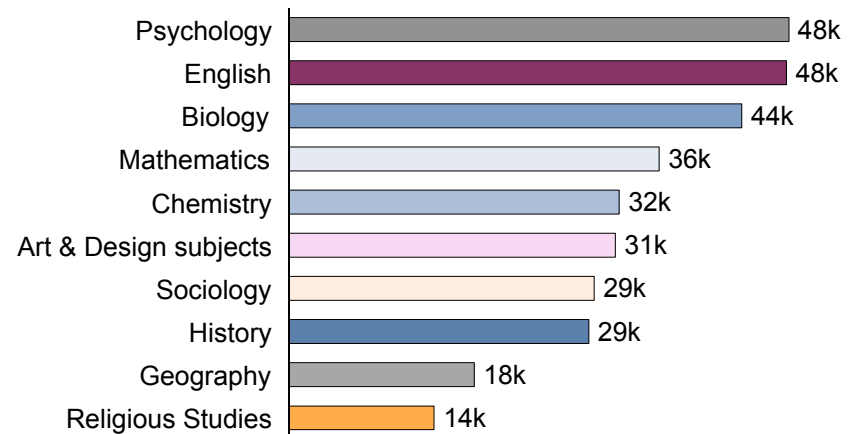
**Top 10 most popular subjects by entries, male (2019)**



**Top 10 most popular subjects by entries, female (2018)**

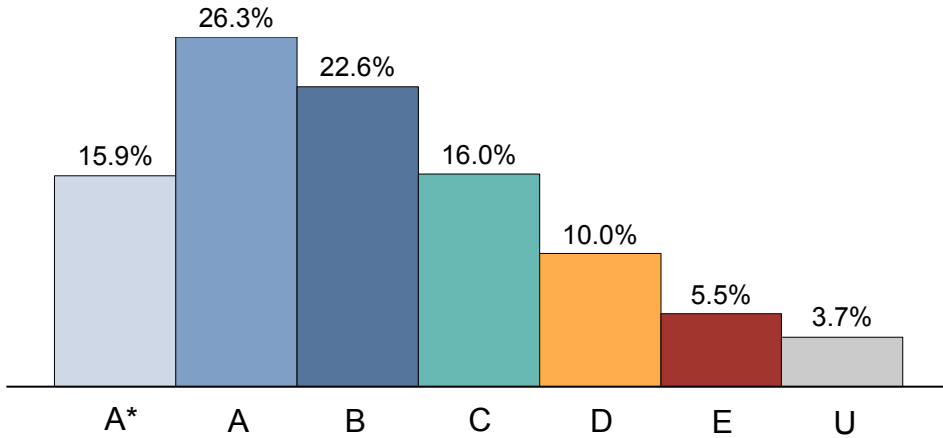


**Top 10 most popular subjects by entries, female (2019)**

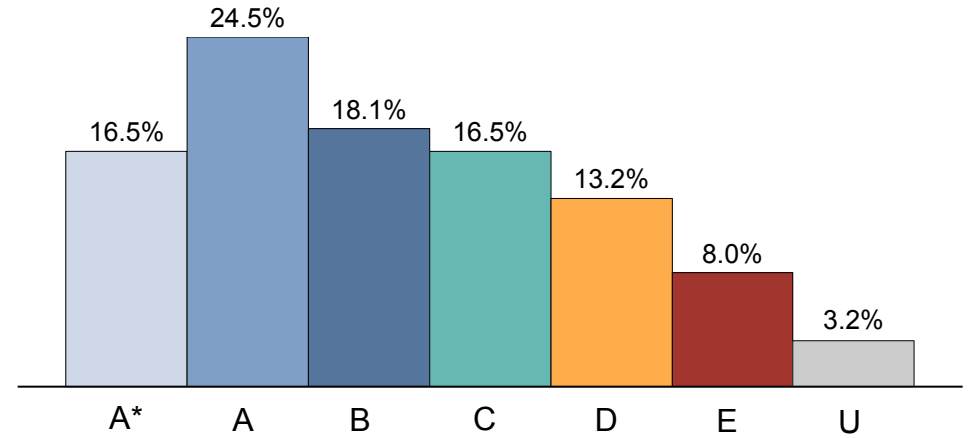


Maths has a grade distribution which is highly skewed towards A\* and A.  
The English grade distribution has moved up the grades slightly since 2018

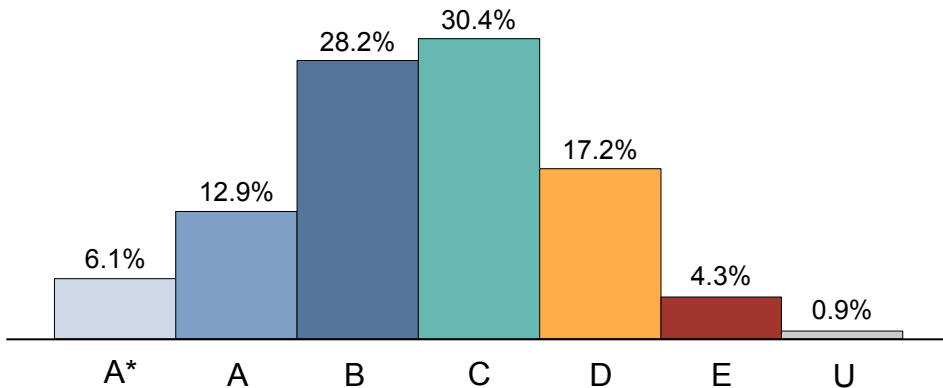
Average grade distribution, Maths, 2018



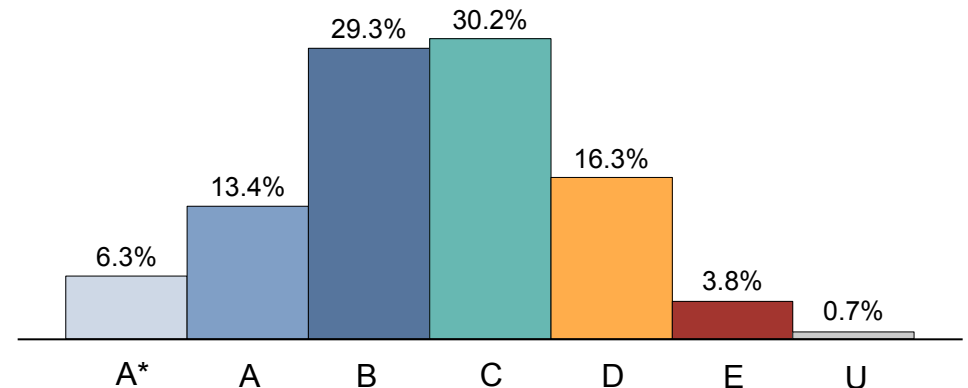
Average grade distribution, Maths, 2019



Average grade distribution, English, 2018

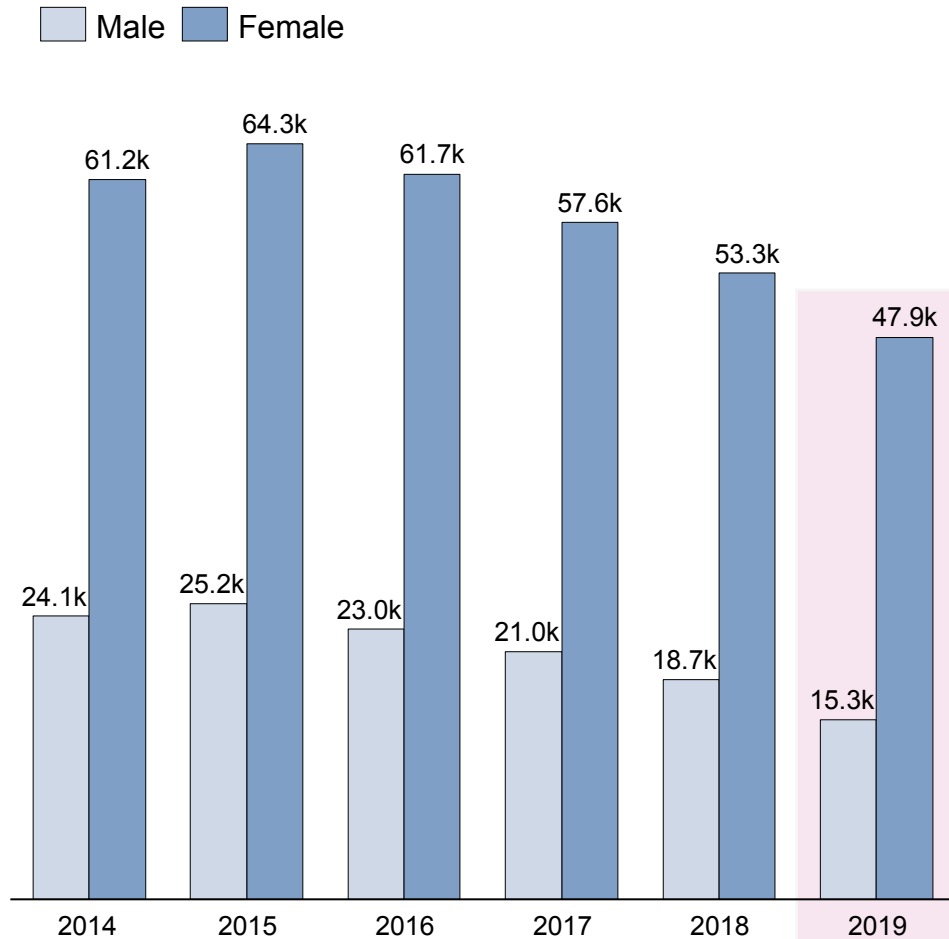


Average grade distribution, English, 2019

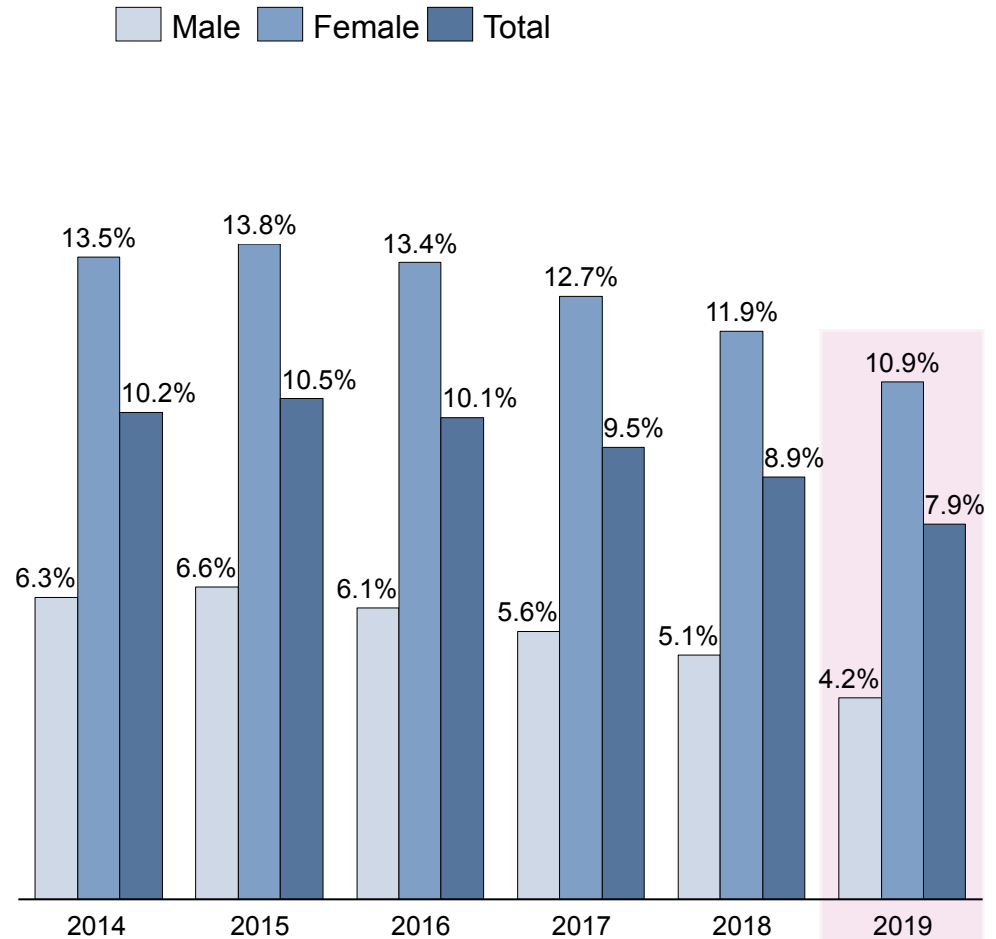


# English – there a been a significant decrease in English entries both from for males and females

English<sup>1</sup> entries 2014-2019 for male vs female



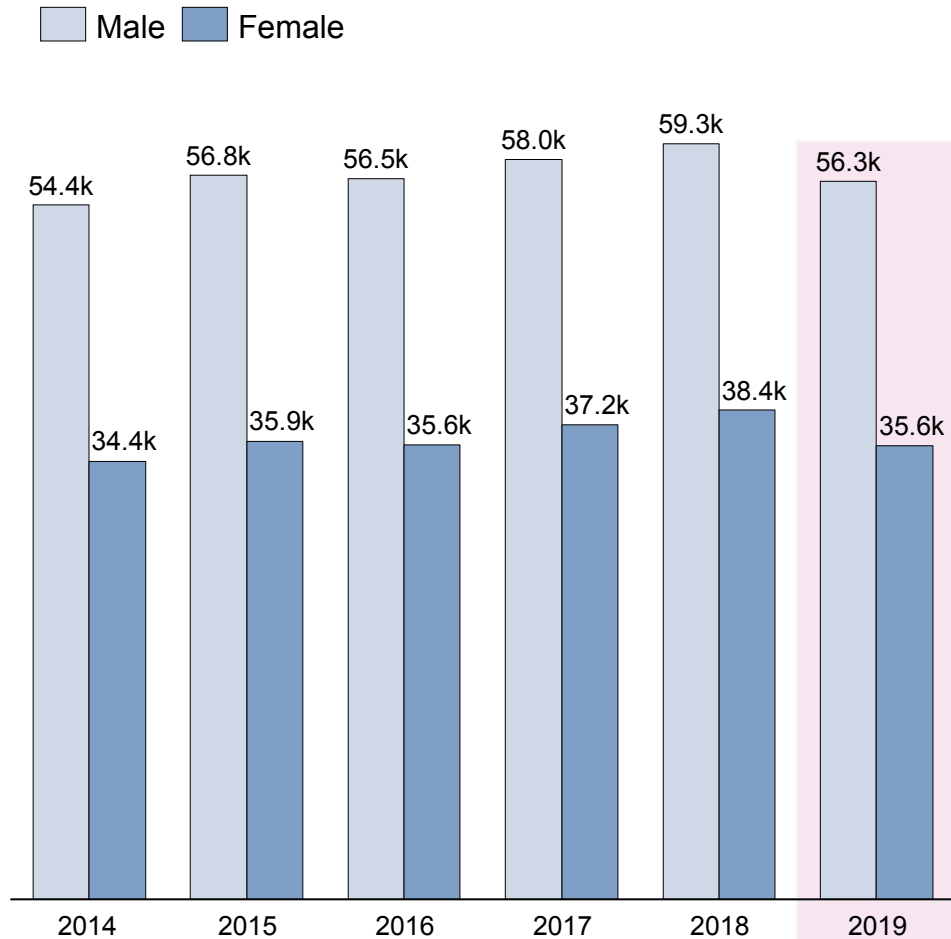
English entries 2014-2019 as proportion of total entries by male vs female



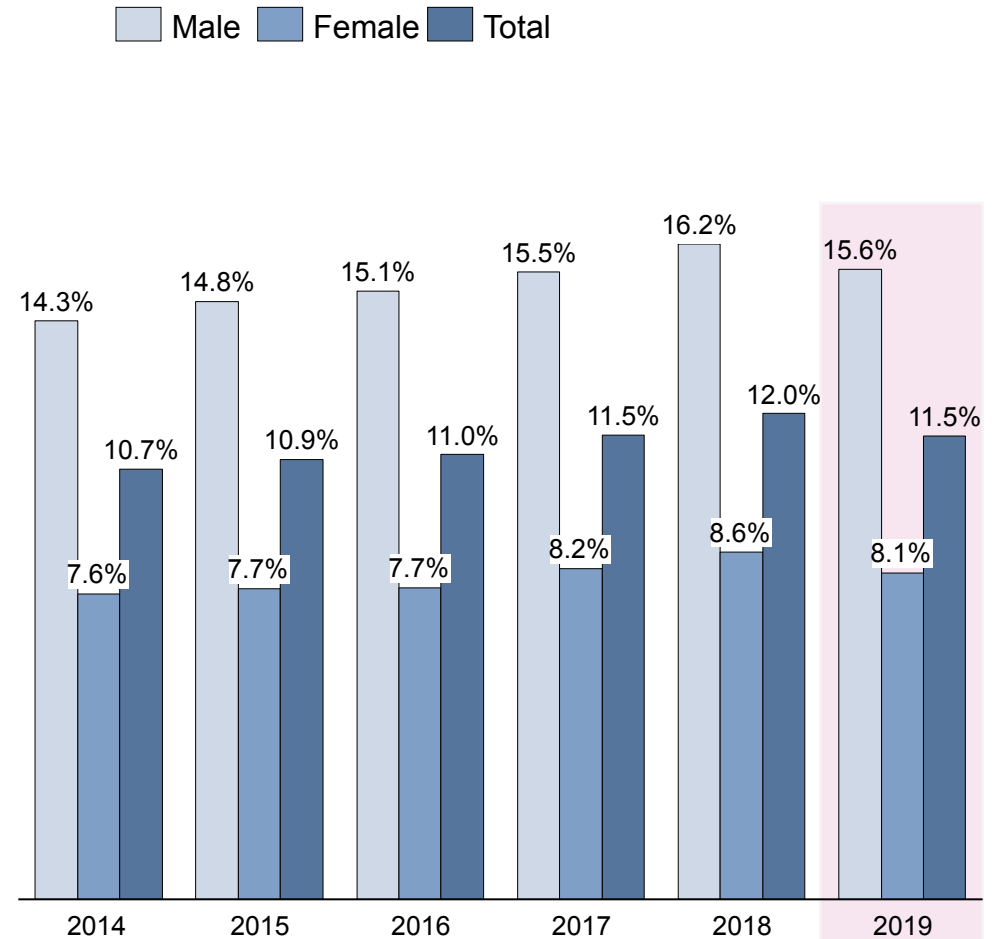
1. In 2017, English was split into 3 subjects (English Language, English Literature, English Language & Literature), these have been combined for this analysis for consistency  
 Source: JCQ Results 2014-2019

# Mathematics – entries for both male and female as proportion of total entries have decreased in 2019 following several years of annual growth

Mathematics entries 2014-2019 for male vs female

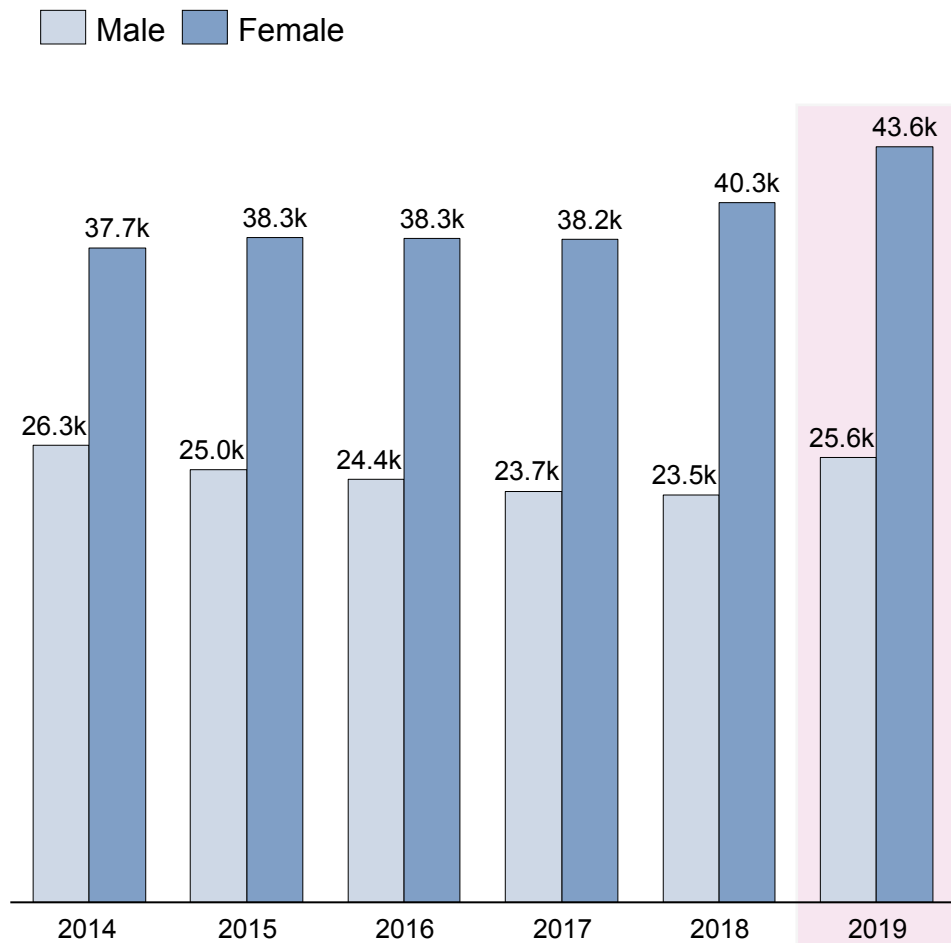


Mathematics entries 2014-2019 as proportion of total entries by male vs female

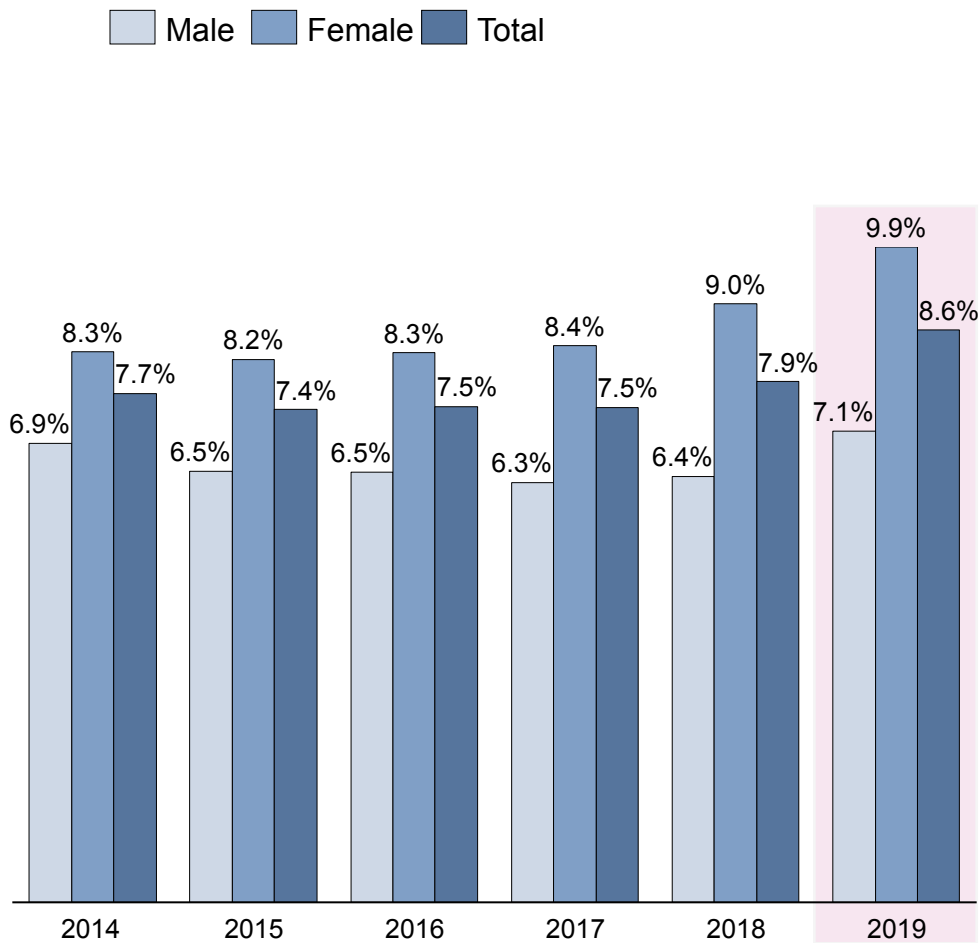


# Biology- The total entries and proportion of individuals taking Biology continued the trend, increasing again in 2019

Biology entries 2014-2019 for male vs female

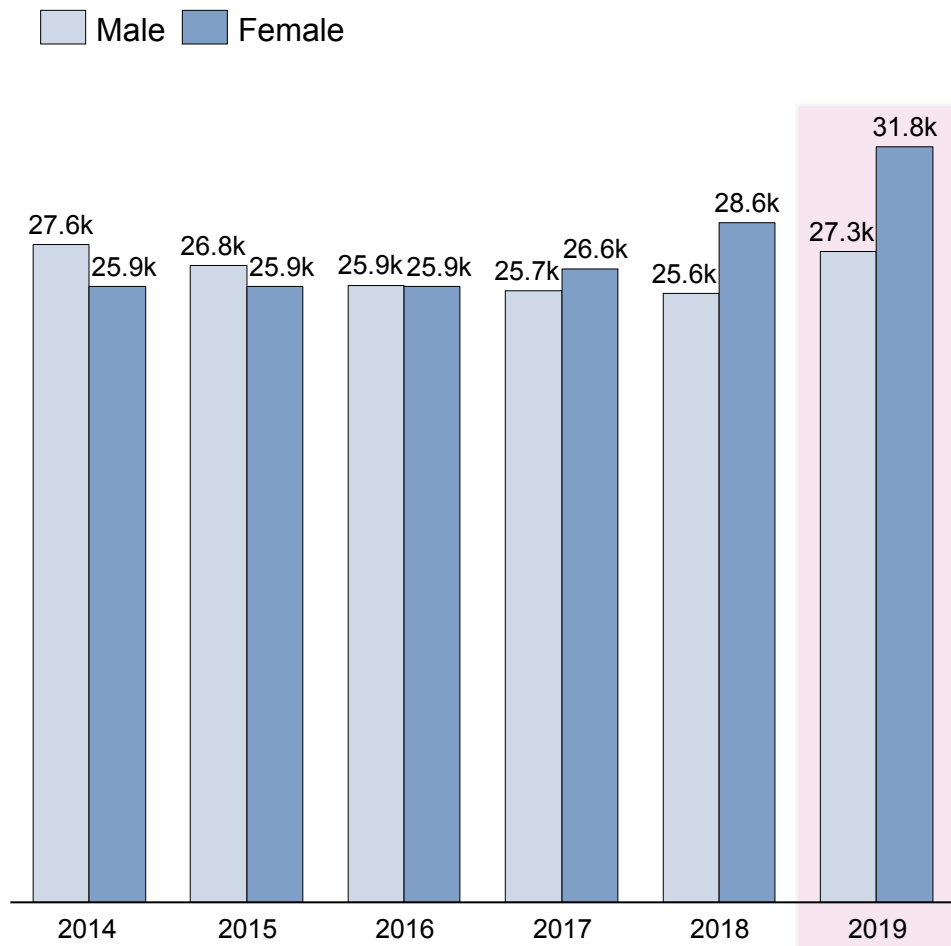


Biology entries 2014-2019 as proportion of total entries by male vs female

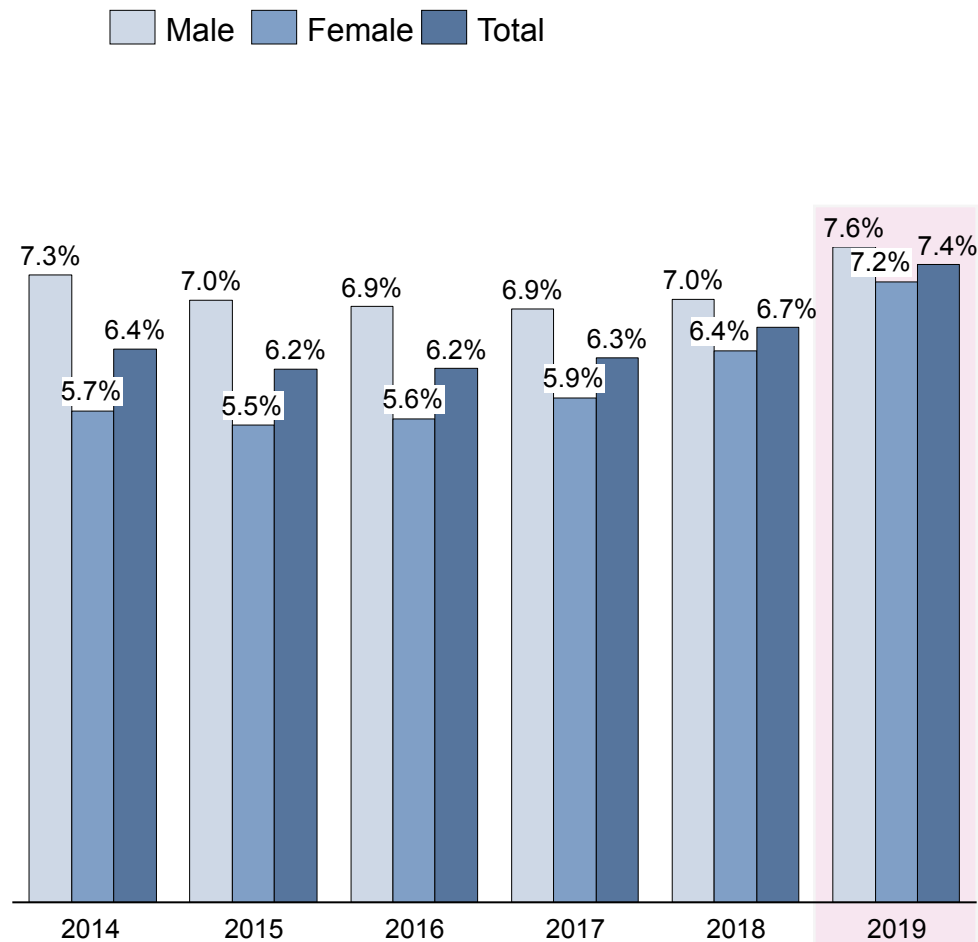


# Chemistry- Female entries increased by nearly 10% but still have a lower proportion of entries than males

Chemistry entries 2014-2019 for male vs female

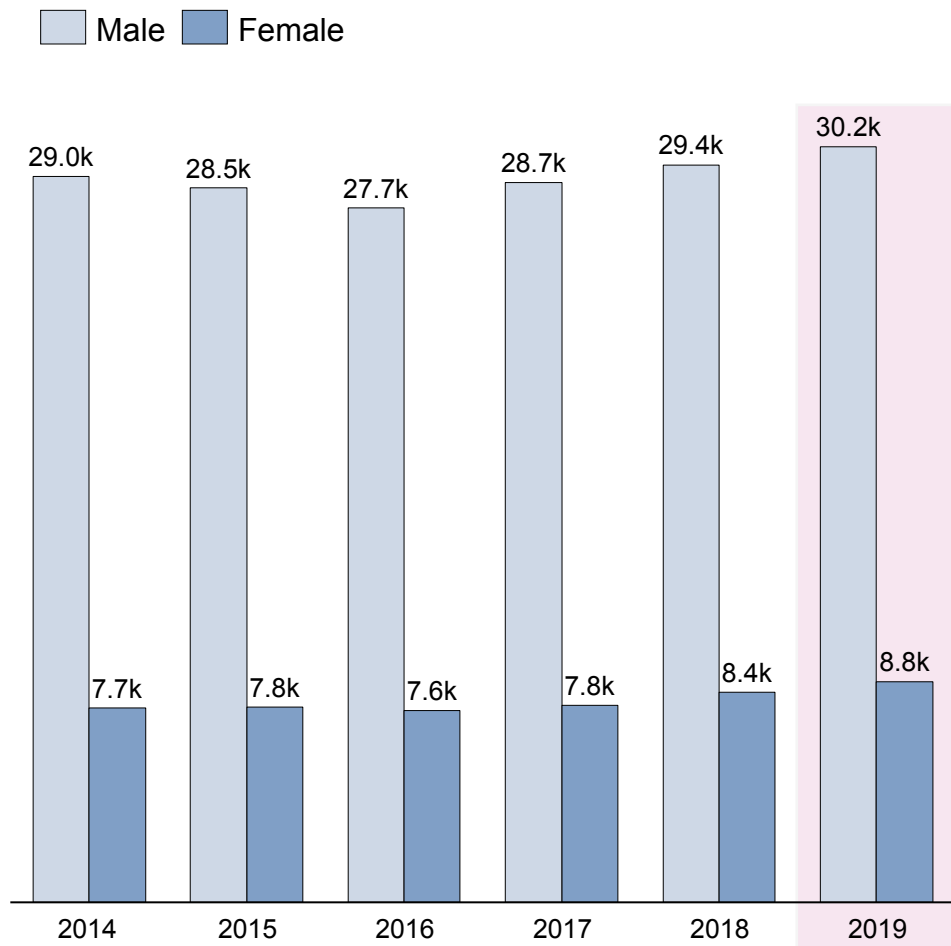


Chemistry entries 2014-2019 as proportion of total entries by male vs female

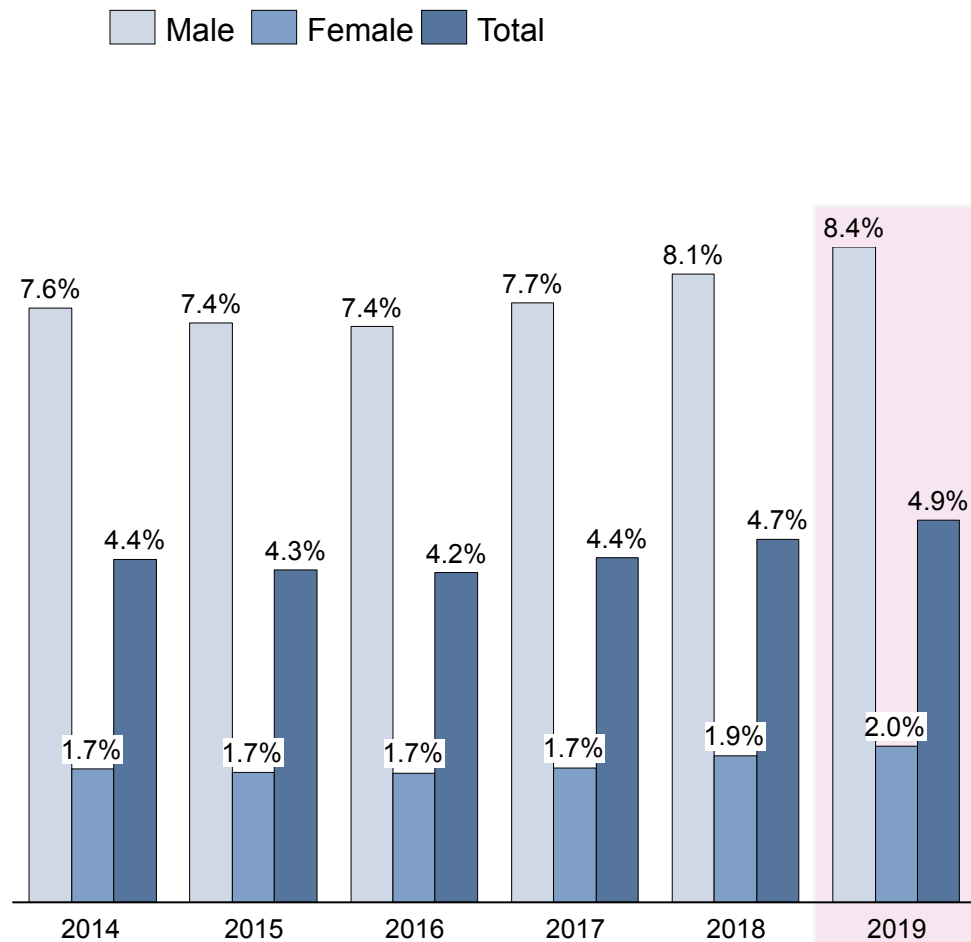


# Physics- There has been a growing trend in the proportion of males and females taking physics since 2017

Physics entries 2014-2019 for male vs female



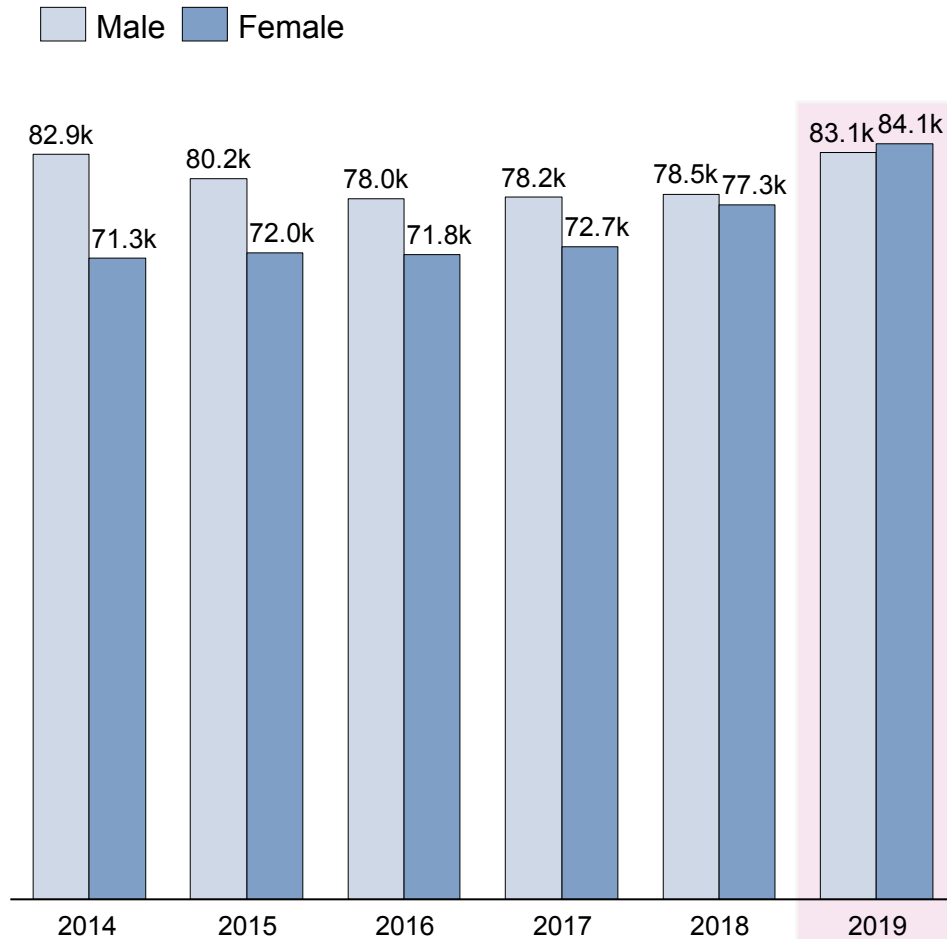
Physics entries 2014-2019 as proportion of total entries by male vs female



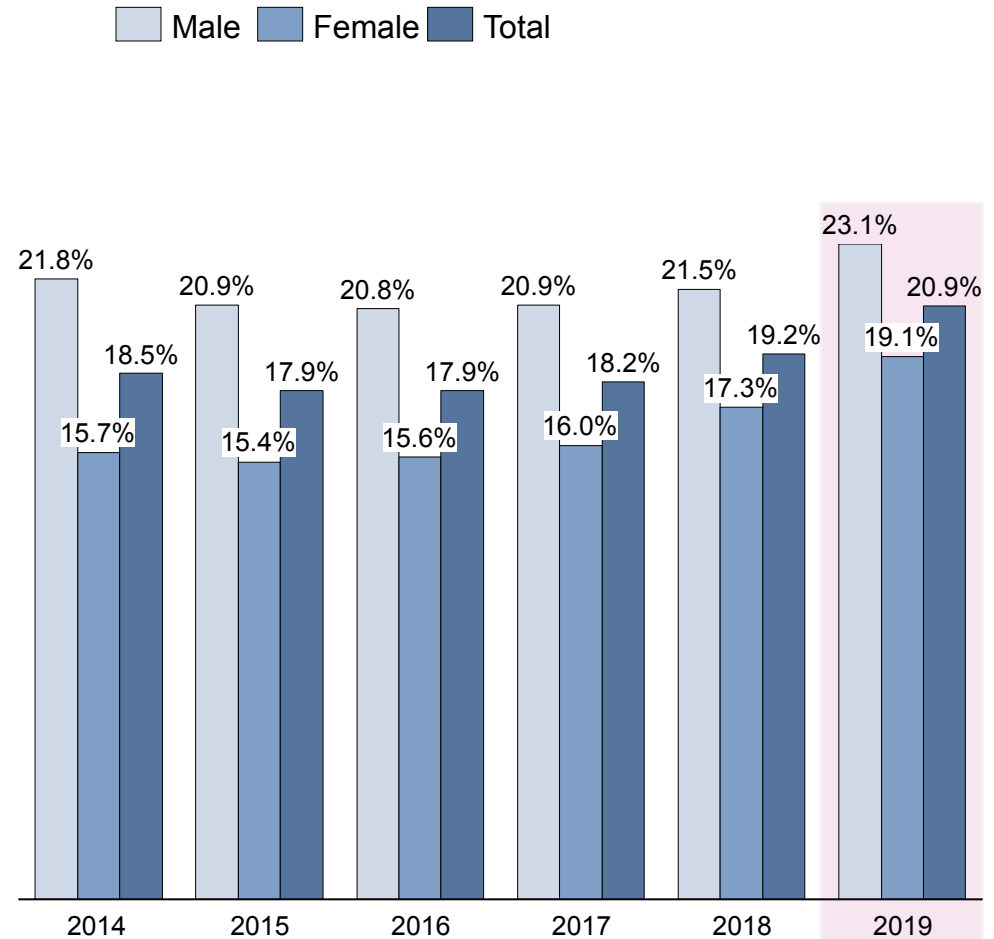
## MALE VS FEMALE

**Sciences- There have been more female than male entries in Science subjects in 2019 with strong increases among both genders. However, proportion of entries remains higher among boys compared to girls**

Sciences<sup>1</sup> entries 2014-2019 for male vs female



Sciences<sup>1</sup> entries 2014-2019 as proportion of total entries by male vs female



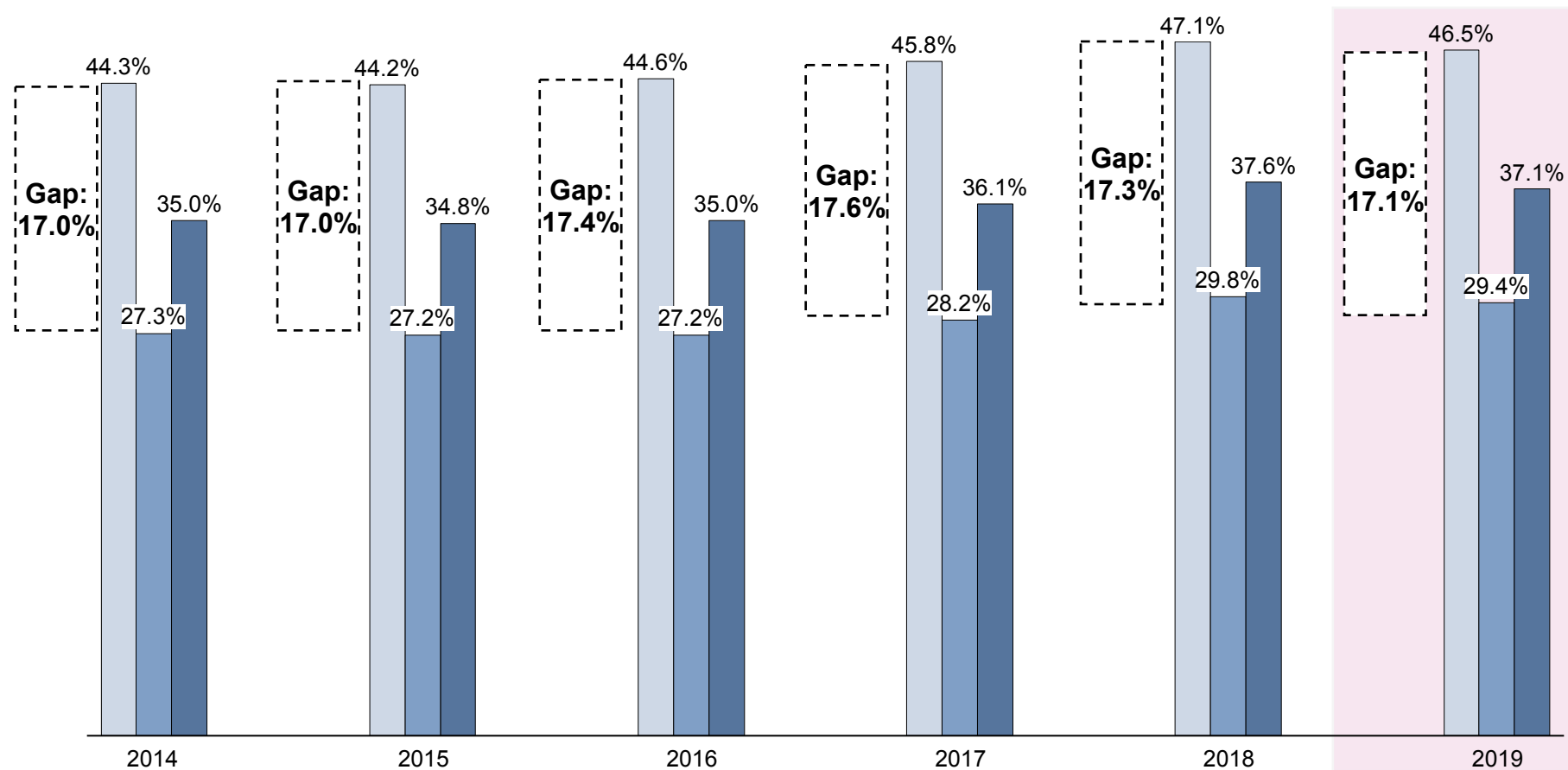
1. Sciences include Biology, Chemistry, Physics  
Source: JCQ Results 2014-2019



# STEM share of subjects has dropped marginally for both boys and girls – and the gap persists

## STEM entries as a share of total entries, 2014-2019

Male Female Total

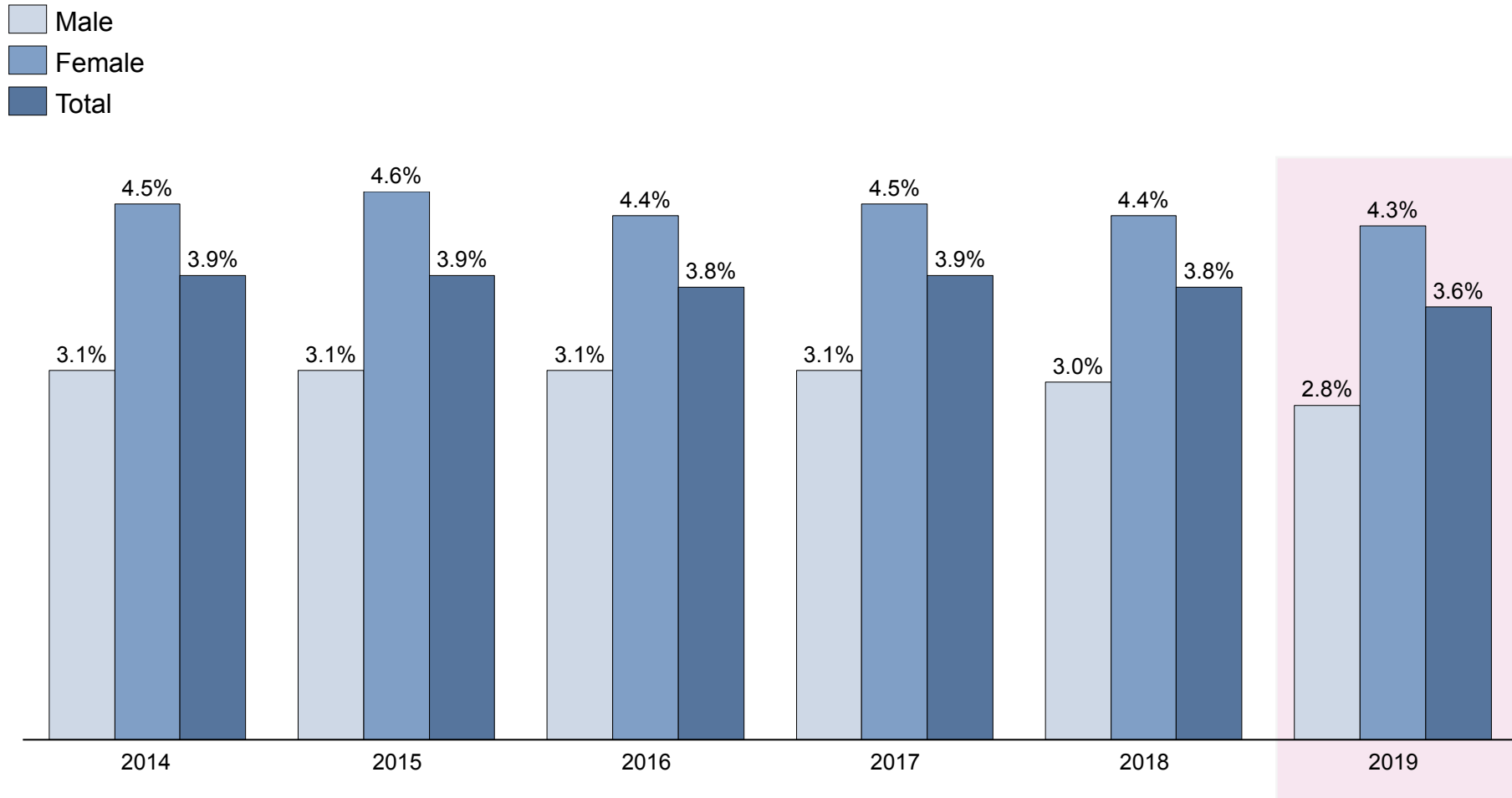


Source: JCQ Results 2014-2019

Note: STEM includes Biology, Physics, Chemistry, Maths, Further Maths, Computing, ICT, Design & Technology

## MFL as share of total entries has remained fairly constant over six years

### MFL entries as a % of total entries, 2014-2019

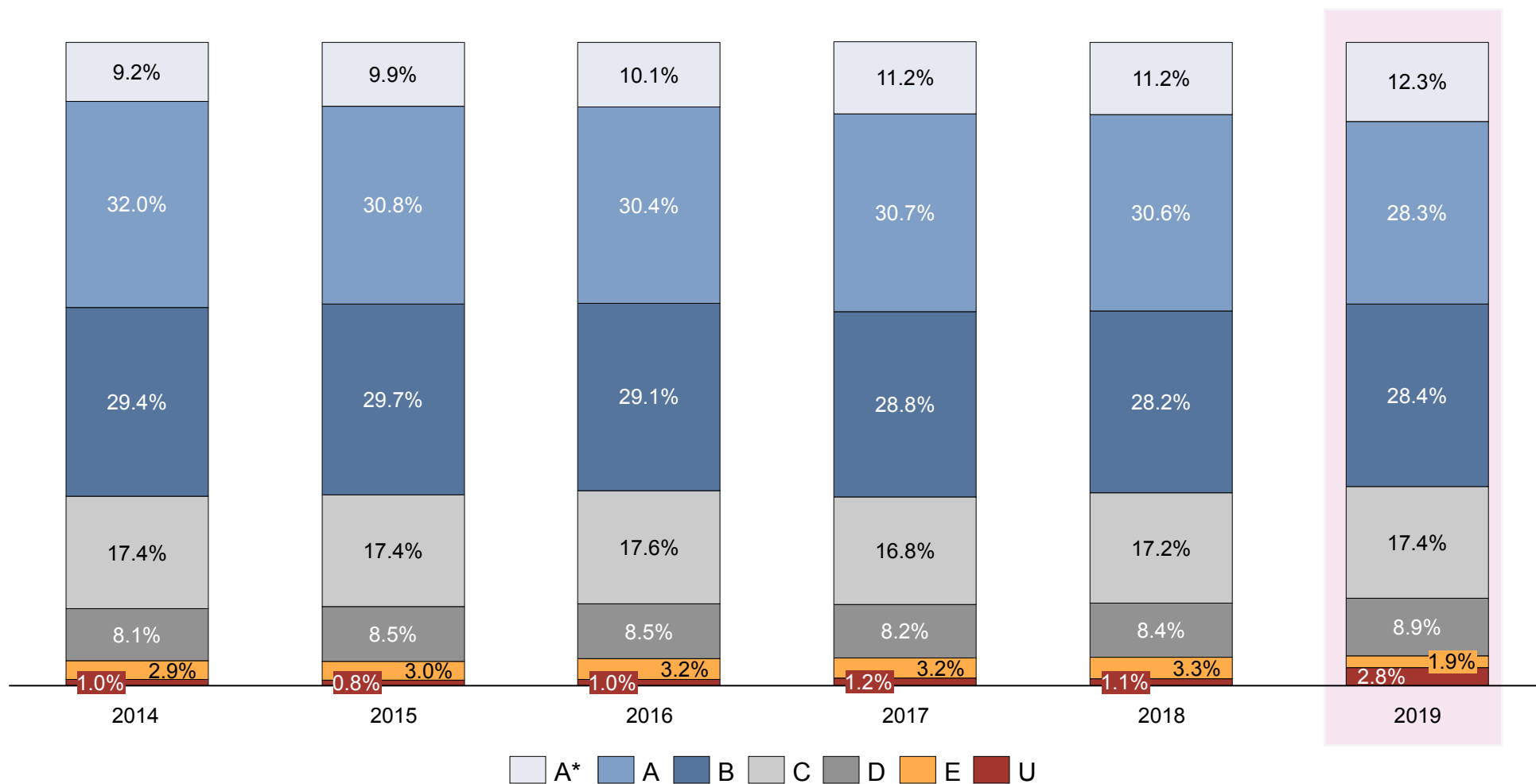


Source: JCQ Results 2014-2018

Note: MFL includes French, German, Irish, Other Modern Languages, Welsh, Spanish

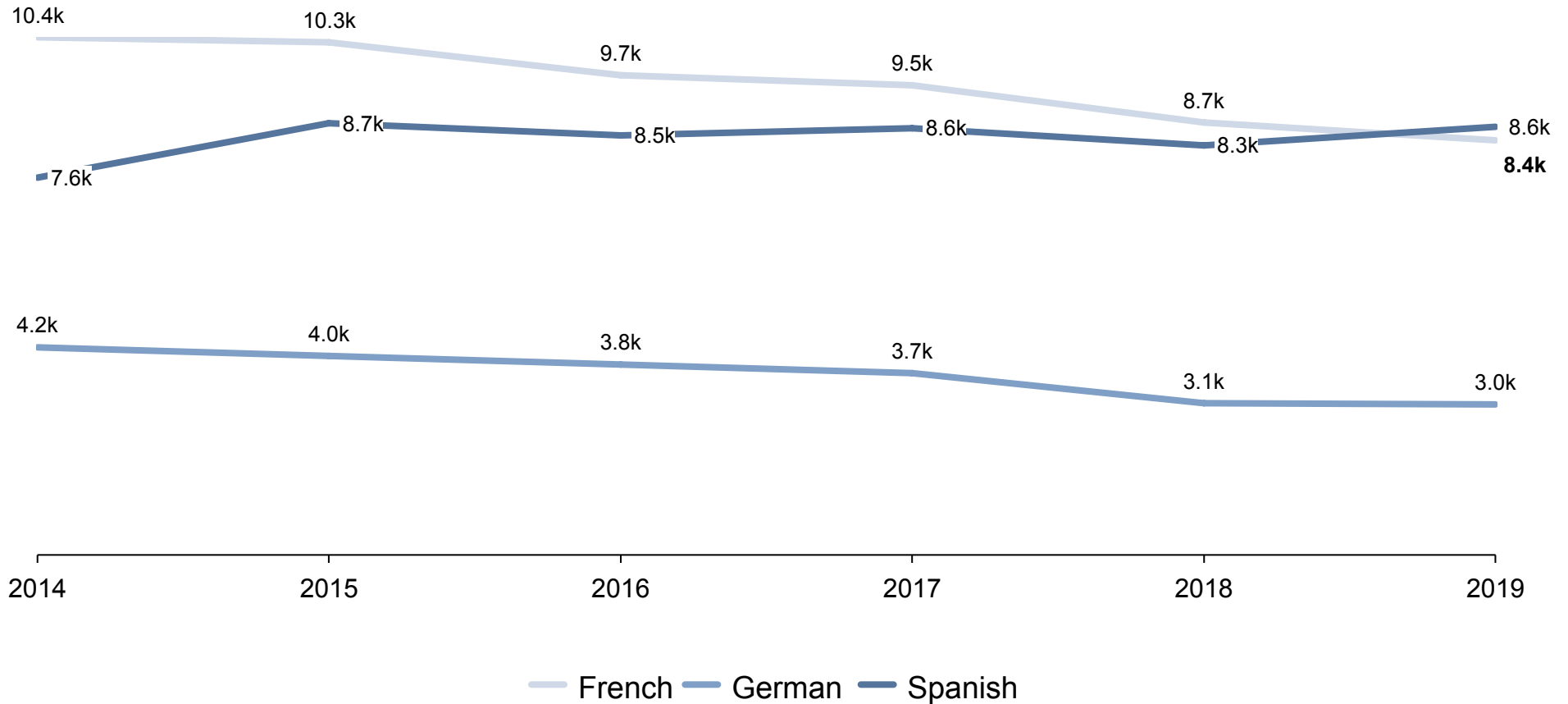
# However, there is some evidence of grade inflation for MFL, particularly at the A\* level

MFL entries grade distribution, 2014-2019



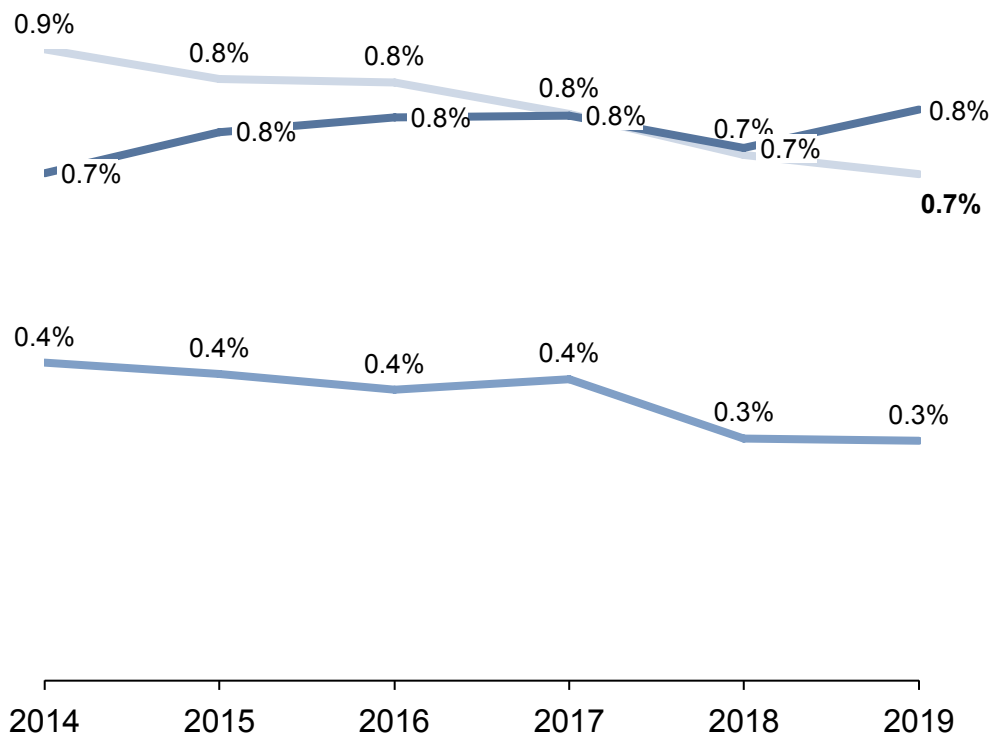
# For the first time, there were more entries to Spanish than French in 2019. German entries remain significantly behind French and Spanish entries

Number of entries, French/Spanish/German, 2014-2019

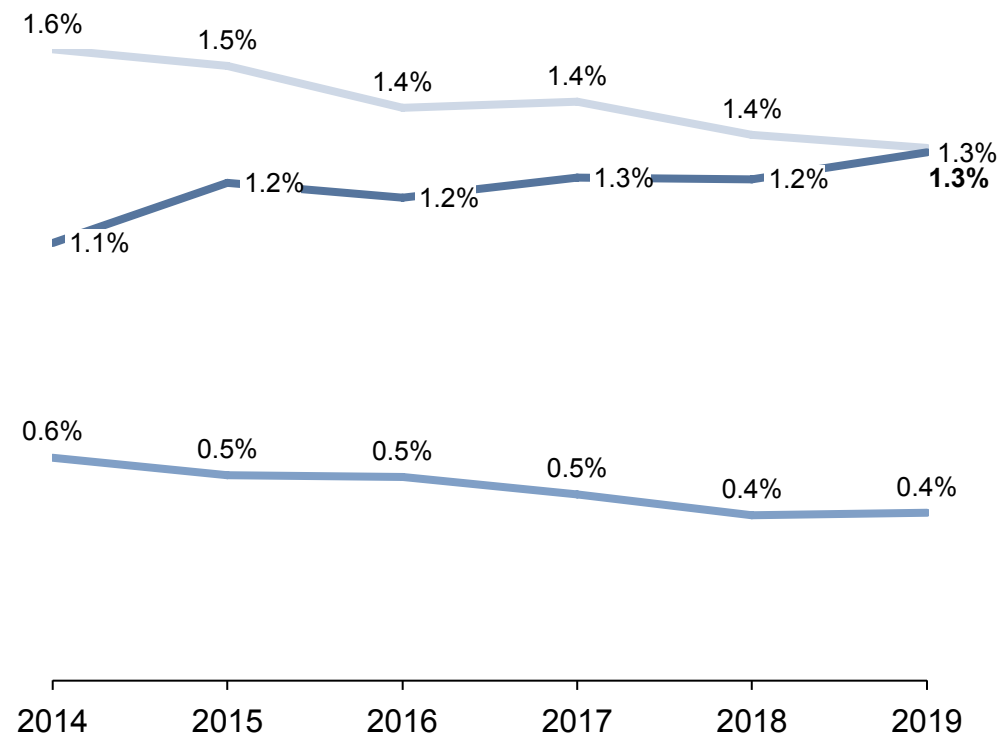


Overall, the proportion of entries into French, Spanish and German remain higher among females compared to males. There has been a strong increase in Spanish entries in 2019 among boys

Number of Male entries as % of total entries, French/Spanish/German, 2014-2019



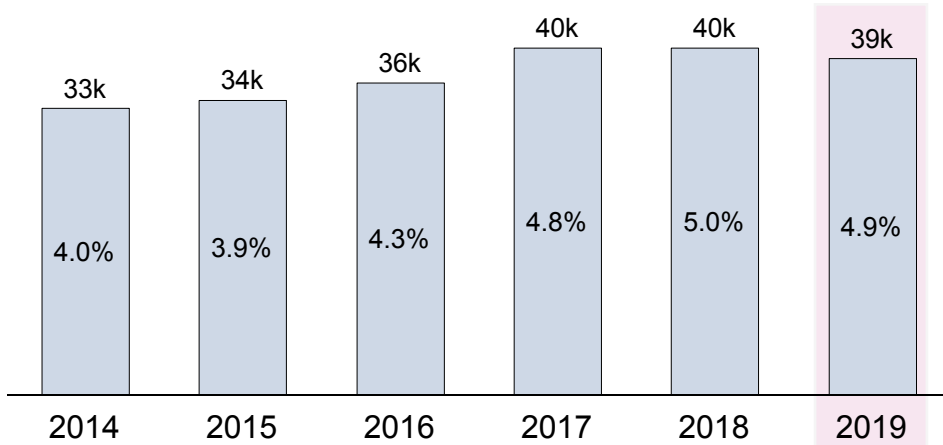
Number of Female entries as % of total entries, French/Spanish/German, 2014-2019



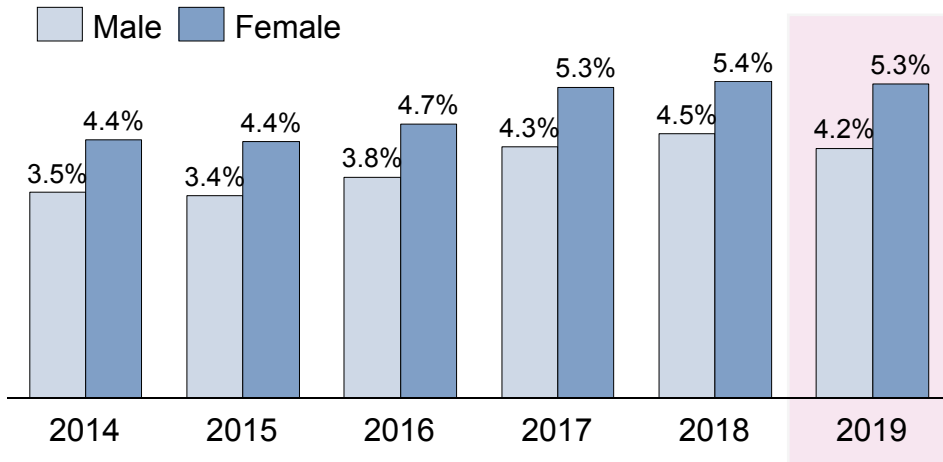
— French — German — Spanish

# Numbers for EPQ did not continue to rise in 2019. The grade distribution barely changed from 2018 to 2019 and is still skewed towards A grades

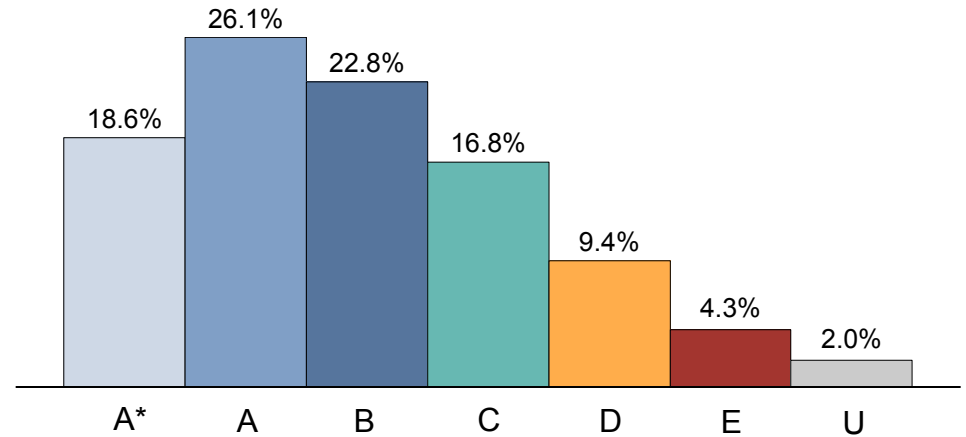
EPQ entries, as % of total A-Level entries and absolute, and with gender split over time



EPQ entries as a share of total entries, male vs female



EPQ average grade distribution, 2018



EPQ average grade distribution, 2019

