



**Engineering Professors
COUNCIL**

The voice of engineering academics

SURVEY LAUNCH

Hear the exclusive findings of the EPC's annual survey of Engineering departments, revealing the first glimpse of 2024/25 admissions trends.

**WEDNESDAY 11TH
DECEMBER, 2024
1 - 2 PM, ONLINE**

**ENROLMENT
SURVEY**

EPC engineering enrolments survey 2024/25

Thank you for member contributions to this year's EPC
engineering enrolments survey.



About the EPC enrolments survey

- Annual EPC membership service
 - Early temperature check on under and postgraduate engineering
 - An early sign of changing patterns of enrolment
- Exclusive insight
 - Partial (*undergraduate admissions*) data available soon
 - Sector 2023/24 postgraduate and enrolment data collection ongoing
 - 2024/5 data not published by Jisc (HESA) for many, many months
- Survey, not collection
 - Enrolment data provided by our members



What's new for 2024

- Back to typical levels of submission (43 providers, around half) following an atypical year last year
- Students (c28K)
- More discrete disciplines than ever (222)
- Non-Russell-Group heavy (56.5%)
- Home and overseas almost total coverage (EU breakdowns no longer viable)
- Gender available for 3 in 4 students, higher validity for Home
- Other gender suppressed due to small numbers



What's new for 2024



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Applications and admissions

Undergraduate admissions data tells us about those who make applications to study engineering through UCAS, and those who successfully secure a place.

[Learn more](#)



Student enrolments

Student enrolments data tells us about those who enrol on an engineering course at a UK university, as reported to HESA.

[Learn more](#)



Student completion

Student completions data tells us about those who graduate from an engineering course at a UK university, as reported to HESA.

[Learn more](#)



Academic staff



Enrolments survey



What's new for 2024

- New
 - 2024 update includes results for previous years (2023 and 2022).
- Data explorer service
 - Accessible, dynamic and flexible
 - Explore the findings online
 - Drill down and dissect results by specific cohorts
 - Filter to own disciplines of interest
 - View visualisations to suit
 - Download summary datasets which preserve provider confidence
 - Discuss the findings with the wider network



Headlines

Top two disciplines (3-year streak): Mechanical engineering (especially home) and IT systems sciences & computer software engineering.

Engineering is reliant on overseas enrolments. Electronic, electrical and computer engineering has a strong overseas market.

Pattern of Undergraduate overseas market is similar to previous years and appears to be holding in our sample. Most disciplines report increases in Home enrolments since last year.

Overseas postgraduate enrolments down by around 7% from last 2 years. Comparatively, decreases widely witnessed across most disciplines.

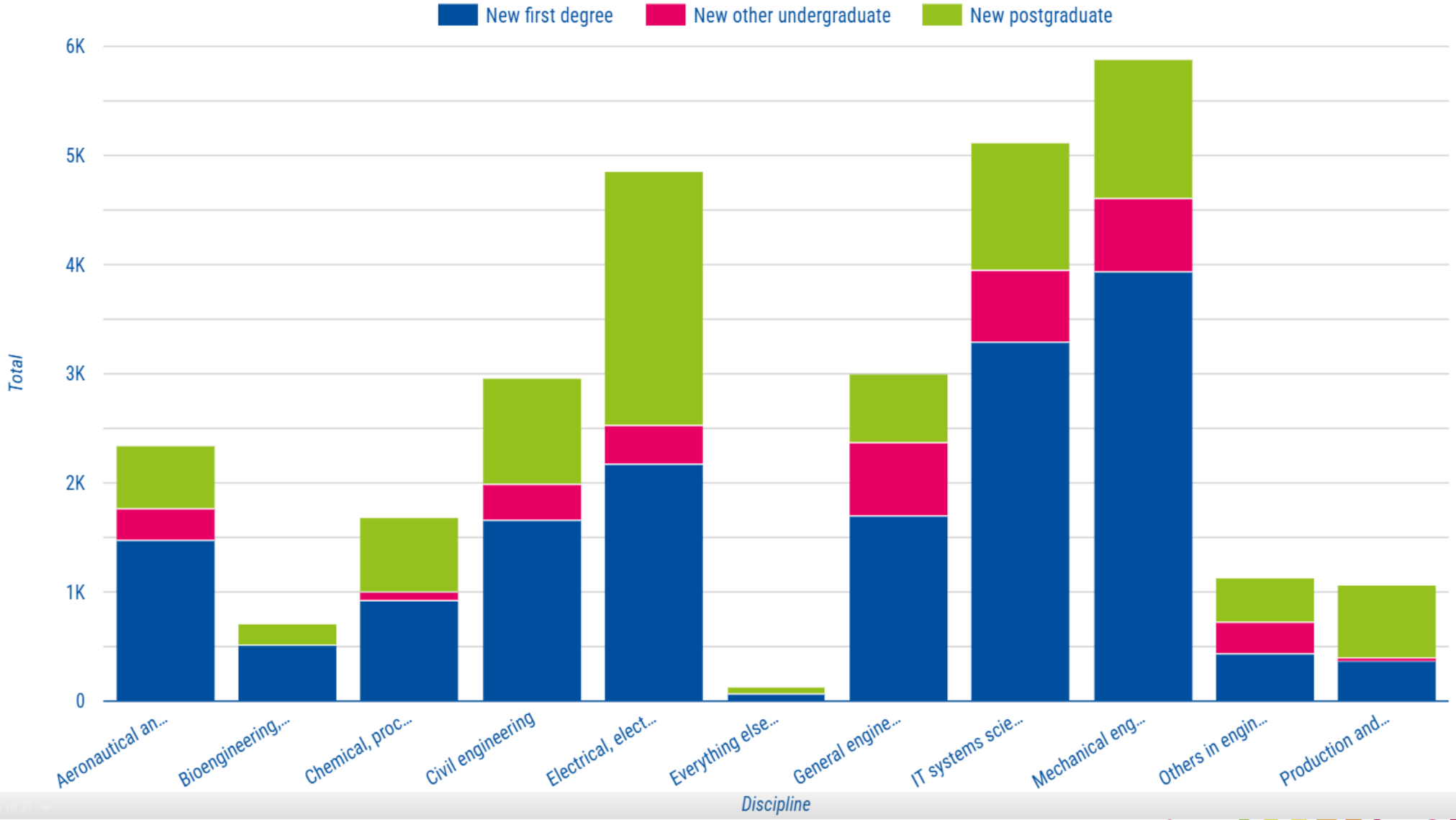
Non-Russell Group appears most stable overall but Russell Group showing the largest decline in Overseas students. Compensated for in a larger increase in Home students.



Discipline headlines

- Top two (3-year streak)
 - Mechanical engineering
 - IT systems sciences & computer software engineering
- Mechanical engineering takes the top spot again this year.
 - More dominant in the home market
- Electrical, electronic and computer engineering continues to dominate the overseas market

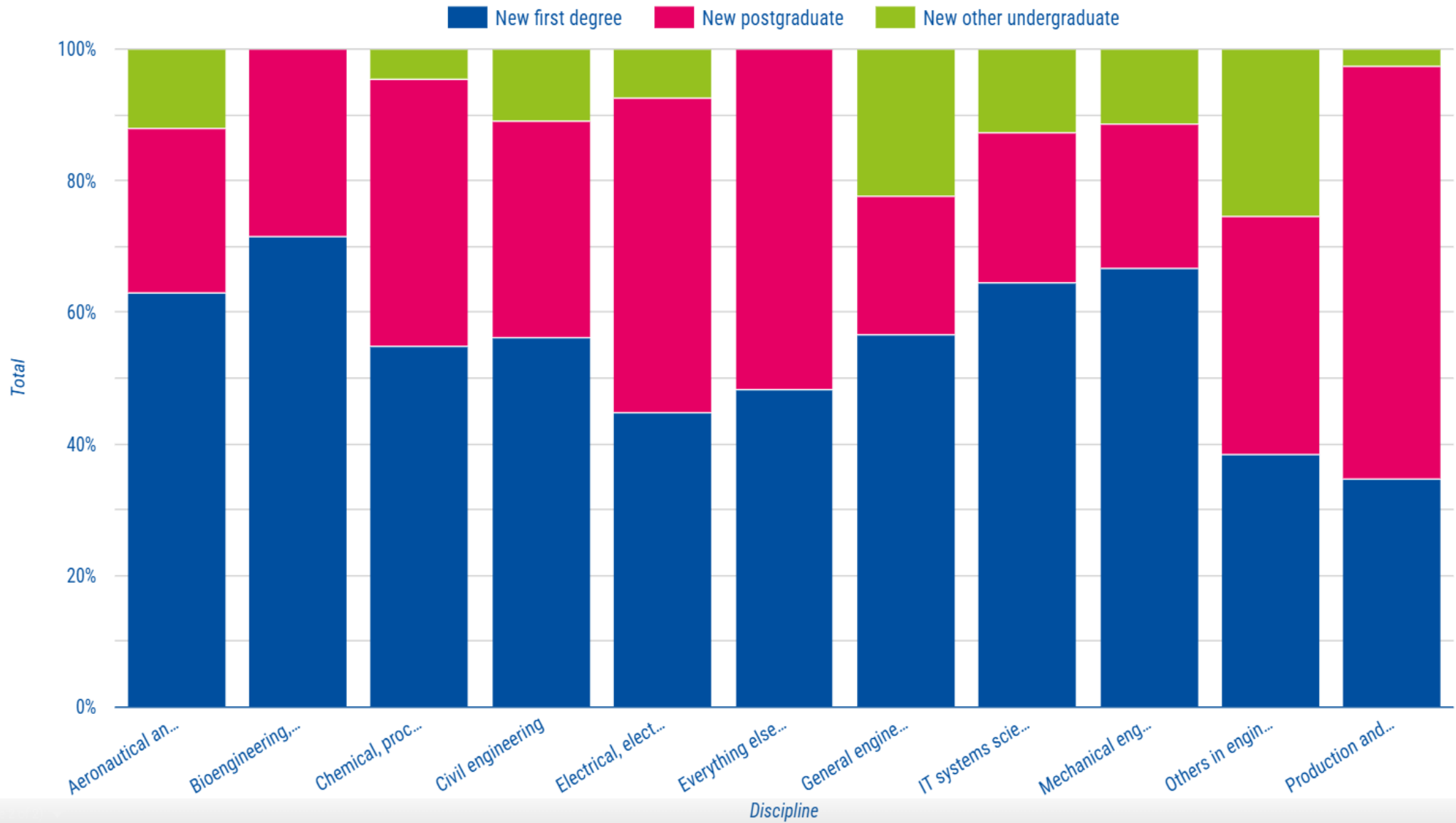




Enrolments by discipline in 2024

- First degrees account for the lions share of enrolments in:
 - Aeronautical and aerospace engineering
 - Bioengineering, medical and biomedical engineering
 - IT systems sciences & computer software engineering
 - Mechanical engineering
- Over 50% are postgraduates in:
 - Production and manufacturing engineering
 - Mineral, metallurgy & materials engineering, Naval, Other tech (combined)
- Fewer than one in four were postgrad in General, Mechanical and IT



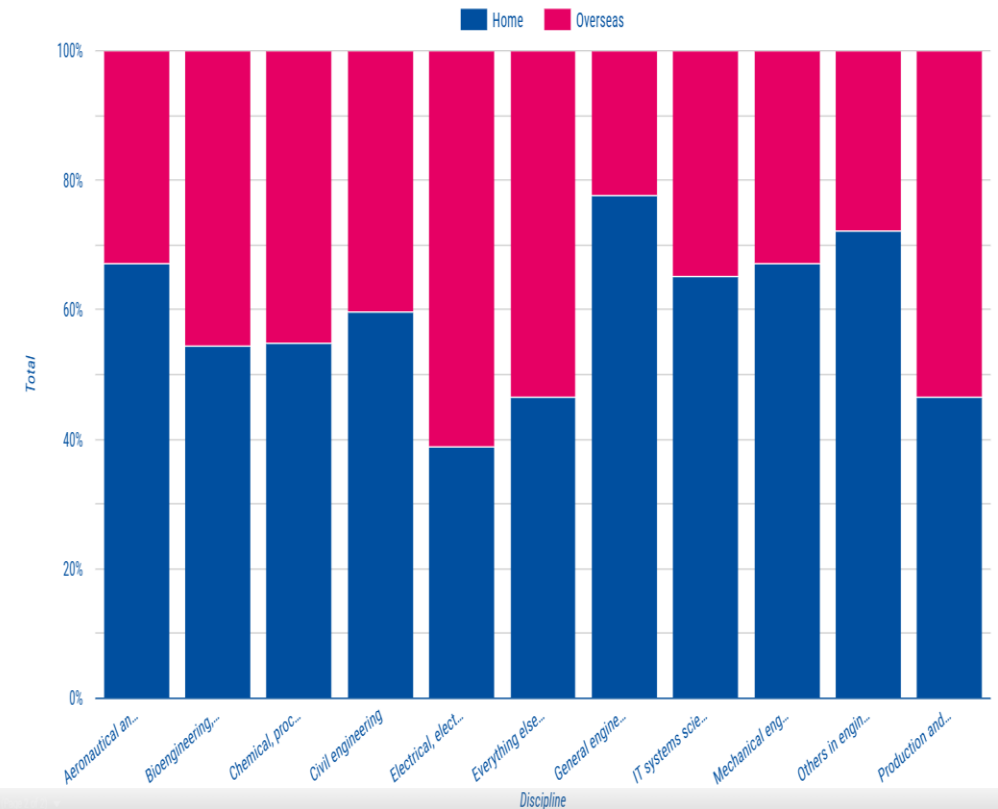


Overseas enrolments in 2024

- Typically, Engineering is hugely reliant on overseas enrolments.
 - Especially Electrical, electronic and computer engineering (61.1% of sample overseas); and
 - Production and manufacturing engineering (53.6%).
 - (And Mineral, Naval and other tech (combined) but small numbers).

Chart 2/2 < >

Discipline Level Year: 2024 (1)



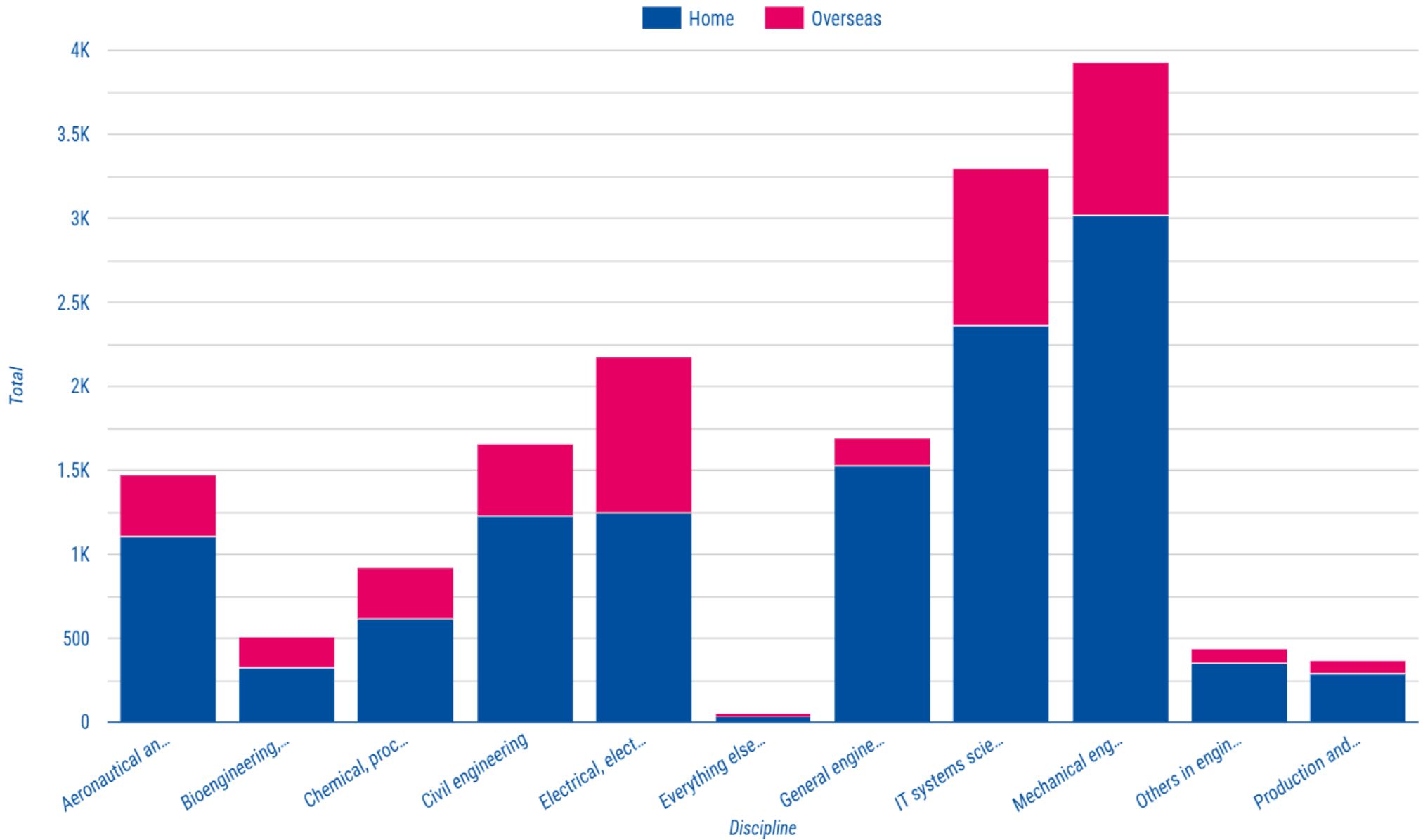
Level ▾	Discipline ▾	Year: 2024	(1) ▾
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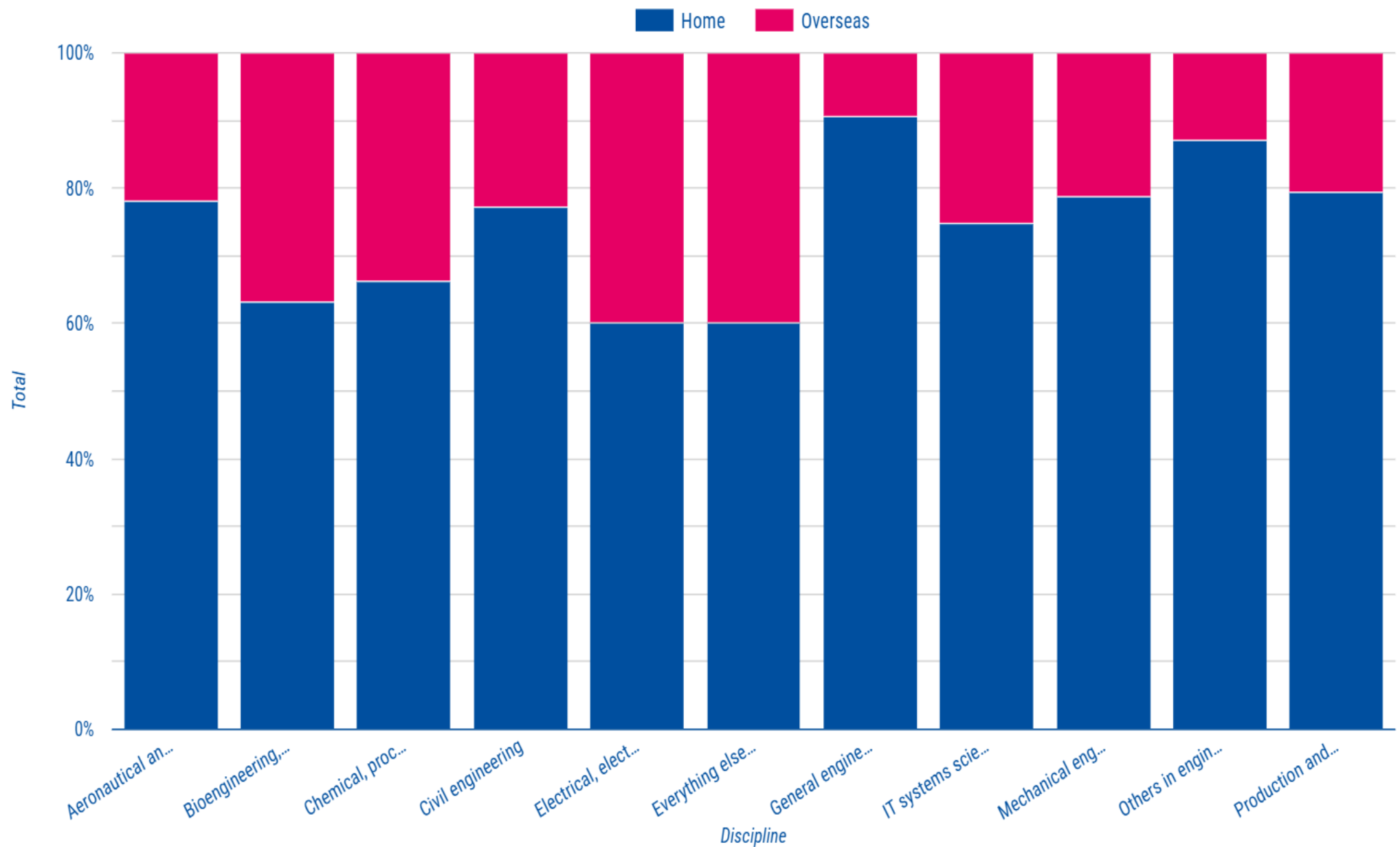
Discipline	Domicile / Total		Total
	Home	Overseas	
Aeronautical and aerospace engineering	1,575	771	2,346
Bioengineering, medical and biomedical engineering	388	326	714
Chemical, process and energy engineering	925	761	1,682
Civil engineering	1,767	1,191	2,958
Electrical, electronic & computer engineering	1,886	2,963	4,849
Everything else (Mineral, Naval, Other tech)	58	67	135
General engineering	2,326	671	2,997
IT systems sciences & computer software engineering	3,325	1,784	5,116
Mechanical engineering	3,947	1,939	5,886
Others in engineering	817	315	1,132
Production and manufacturing engineering	492	568	1,061
Grand total	17,506	11,356	28,876

Overseas enrolments in 2024

- Pattern of Undergraduate overseas market is similar to previous years and appears to be holding in our sample.
 - Aeronautical aerospace engineering and Bioengineering, medical and biomedical engineering appear stronger.
 - Proportion of overseas undergraduate enrolments in General engineering on a declining trajectory (only 9.5% in 2024).



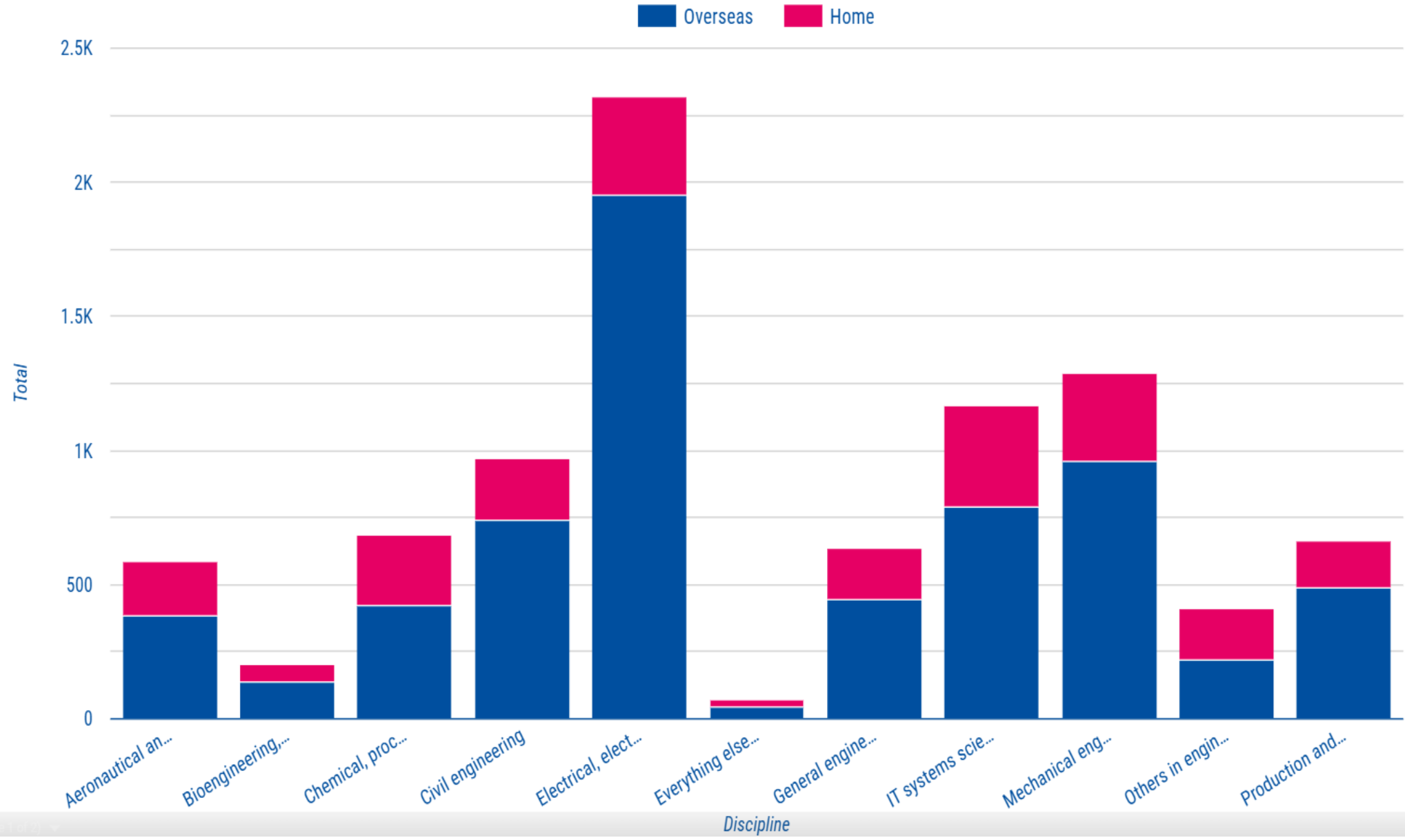


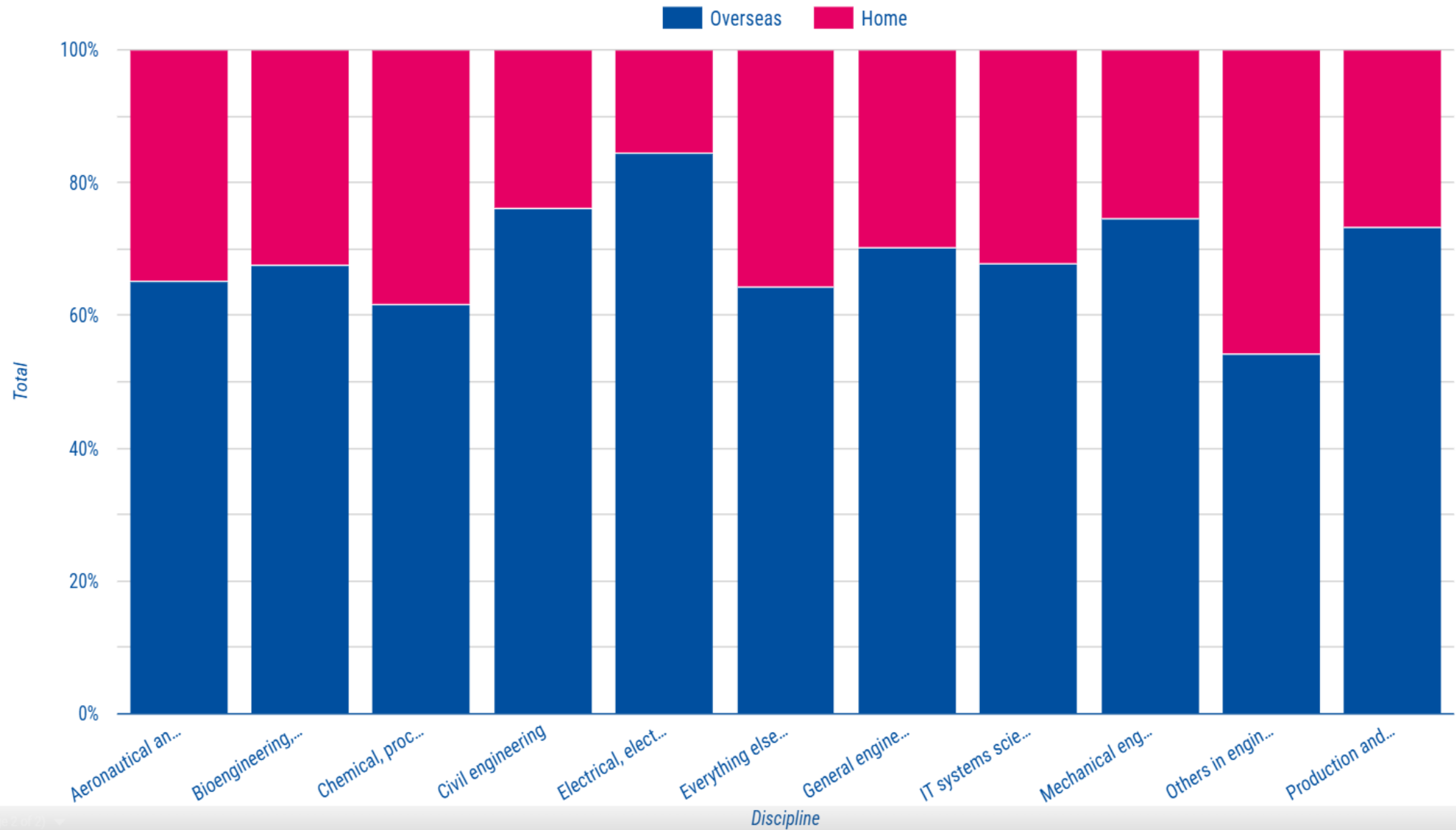


Overseas enrolments in 2024

- Nearly 3 in 4 (73.2%) postgraduates in our sample were from overseas in 2024
 - Down from around 80% in the last 2 years, now nearer 2021 levels
 - Only General engineering not lower than average proportion in 2022/23.
 - Aero, IT and mechanical seem to have taken the greatest hit.



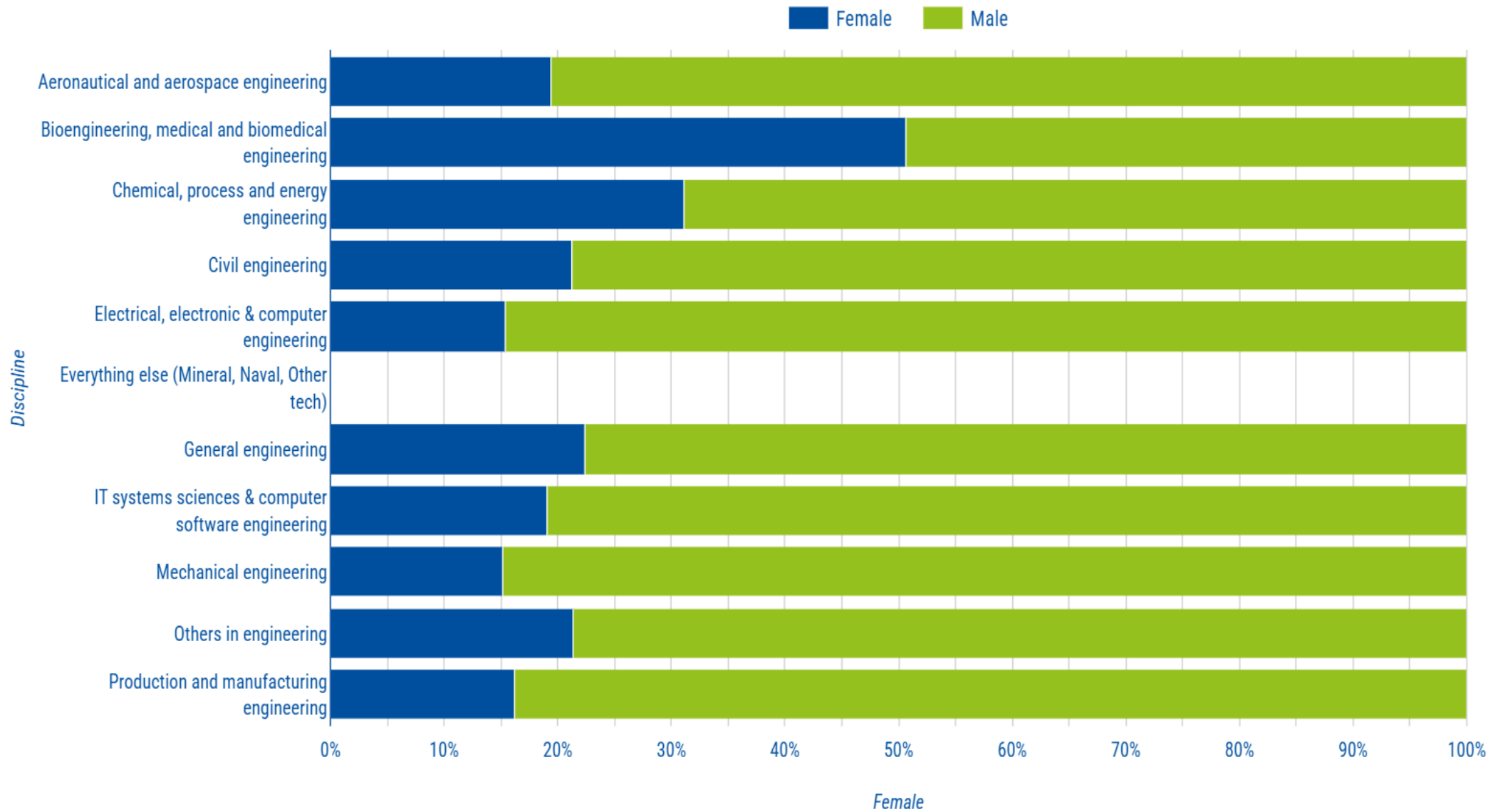




Disciplines with largest female proportions

- Overall, Bioengineering, medical and biomedical engineering has the highest proportion of females in 2024 (over 50%)
- Electrical, electronic and computer engineering and Mechanical engineering have the lowest proportions (at around 15% female)
- IT systems sciences and computer software engineering has the highest number of females.
- Production and manufacturing engineering has the lowest number of females.
- At postgraduate level, Electrical, electronic and computer engineering has one of the highest numbers (with IT)
- At Undergraduate level Mechanical engineering is second to IT numerically.
- General engineering and Chemical, process and energy engineering have the highest proportion of females at postgraduate level





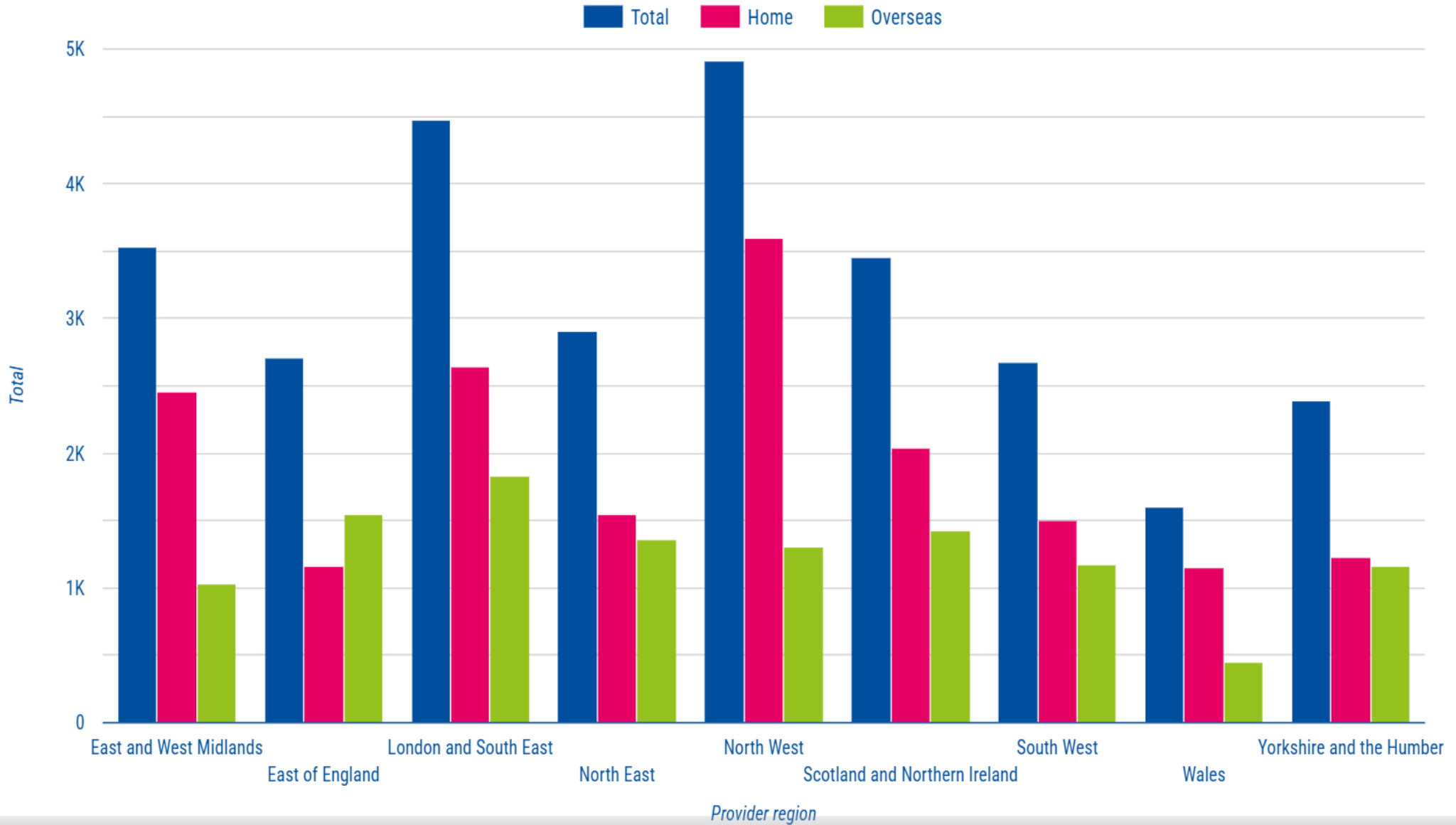
Regional enrolments

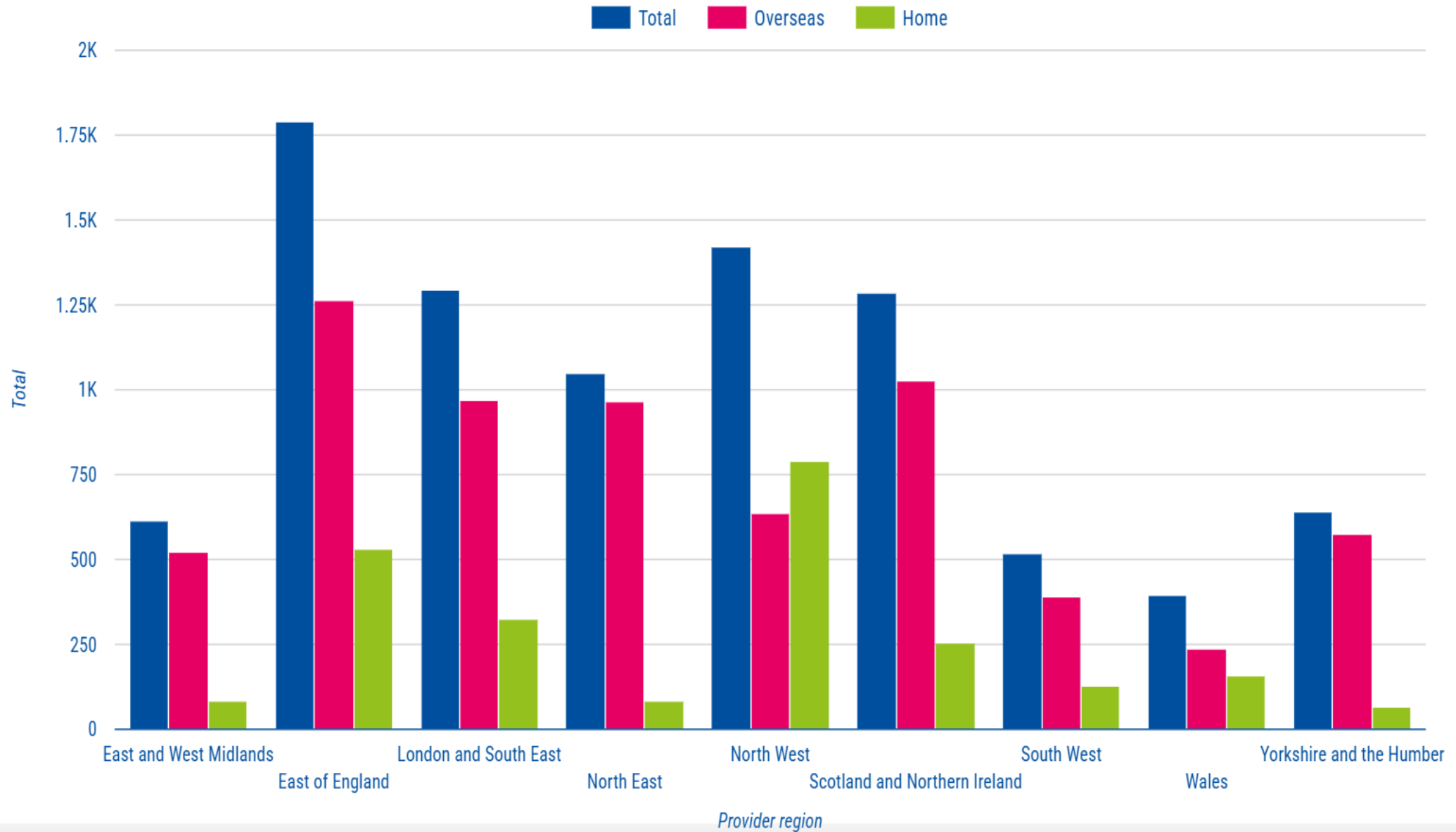
- Discipline
- Postgraduate
- Undergraduate
- Also available by gender in the Data explorer





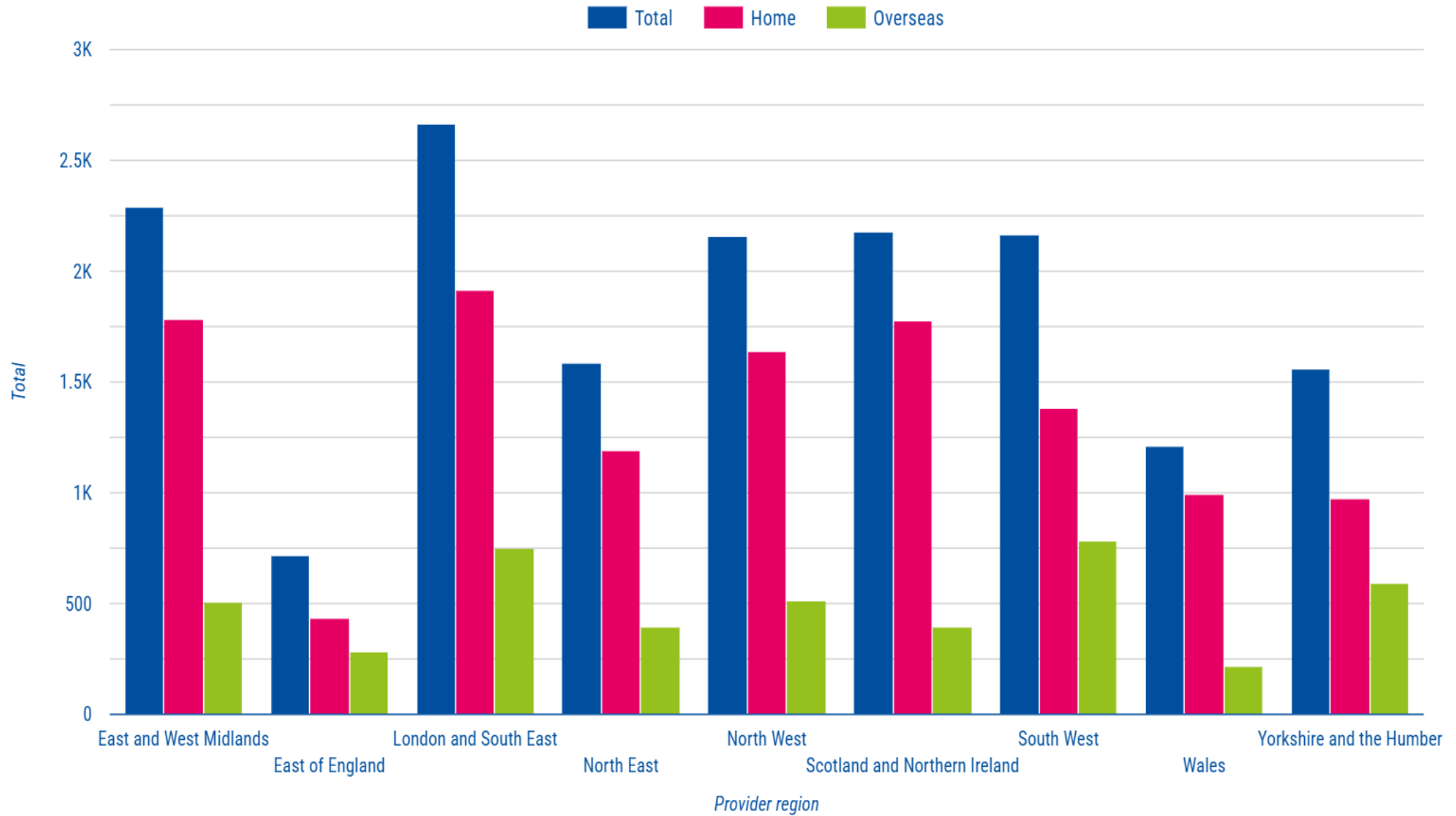
Provider region ▼ | Level ▼ | Year: 2024 (1) ▼







Provider region ▾ | Level: New first degree (1) ▾ | Year: 2024 (1) ▾



Part time and Russell Group in 2024

- Part time proportions, by discipline
- Russell Group, by discipline
 - Familiar pattern of more overseas than home enrolments in the Russell Group
- Russell Group, by gender
 - Higher proportion of females in Russell Group
 - Higher again at post-graduate

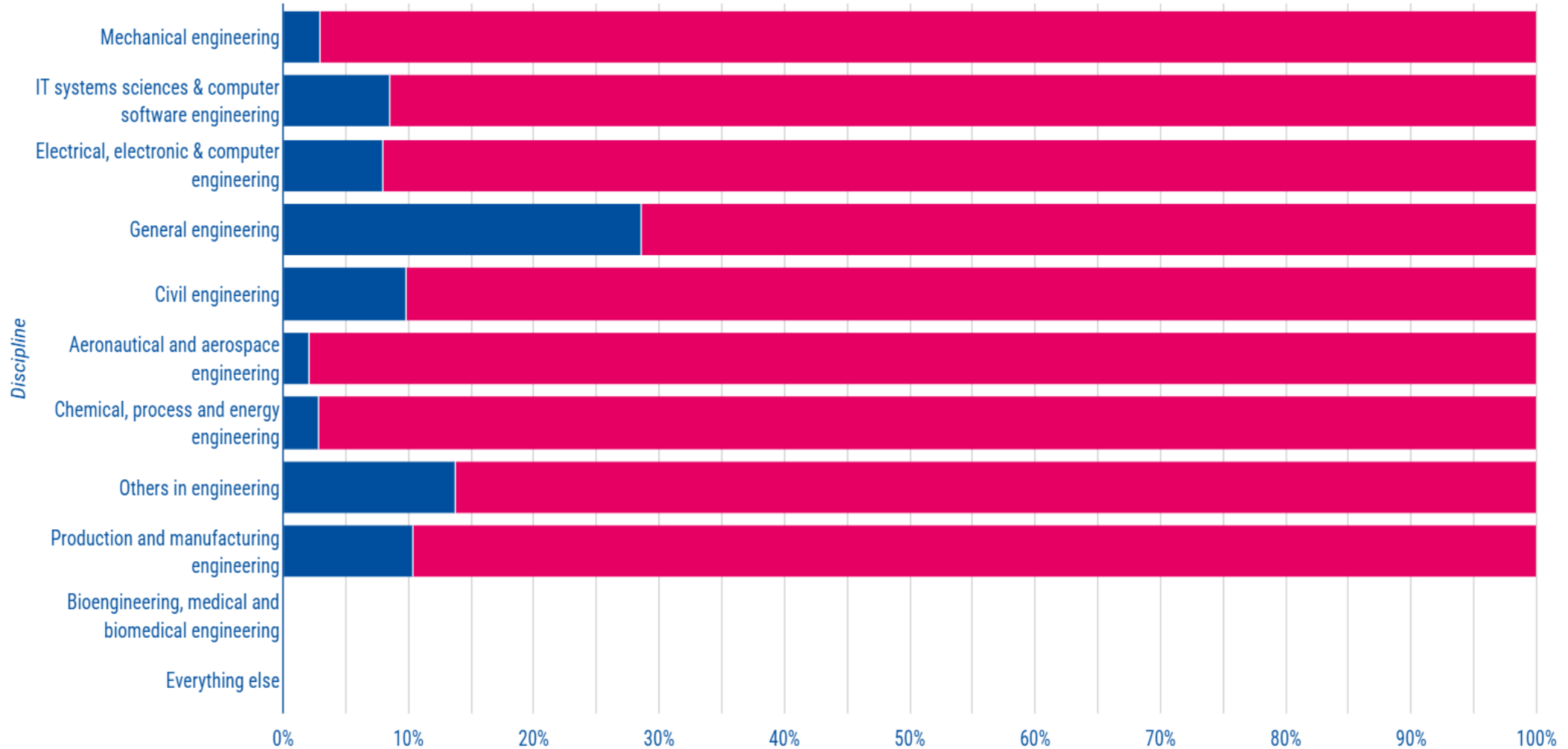




Year: 2024 (1) Discipline



Part-time Full-time



Part-time

Full screen

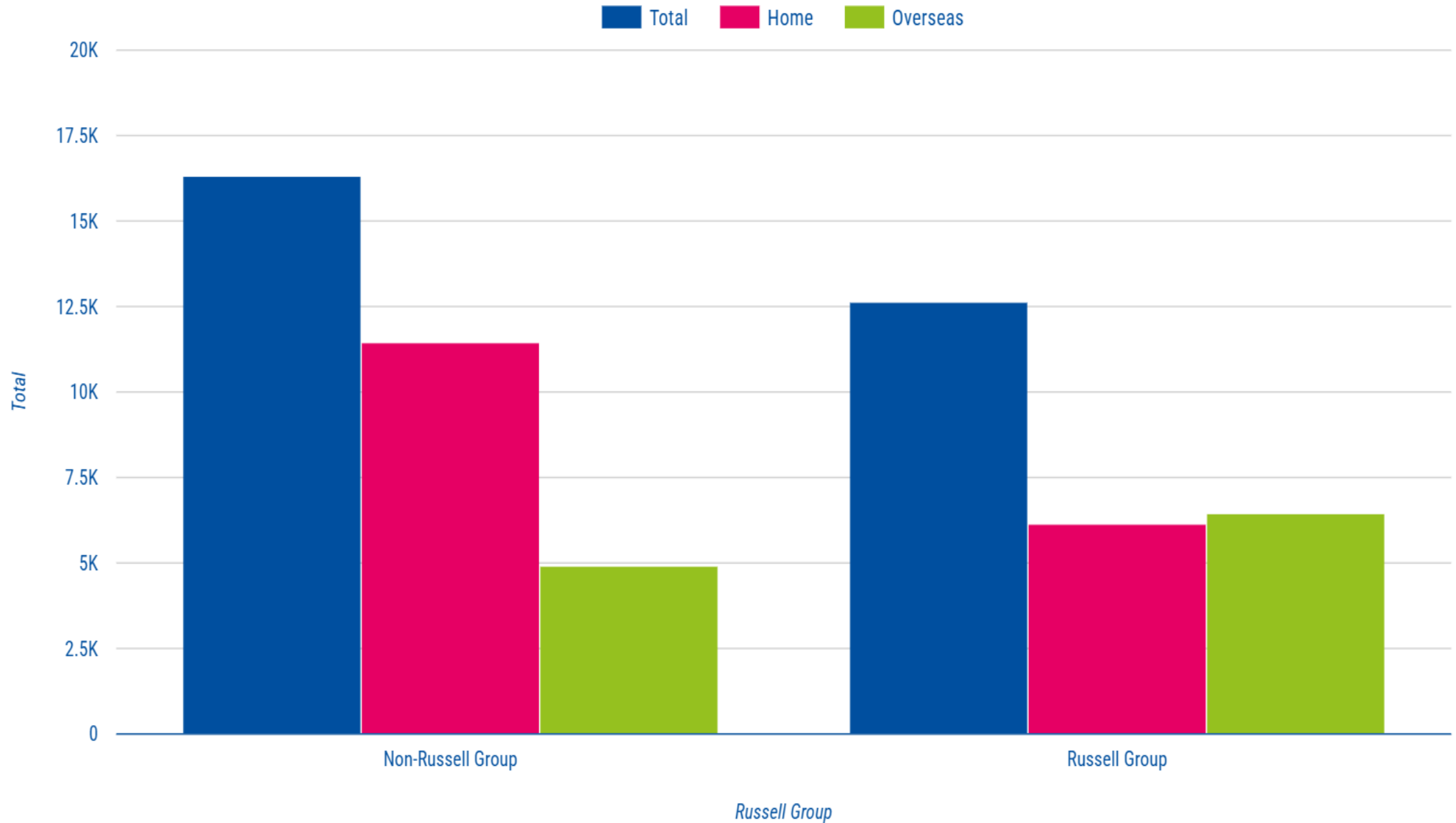


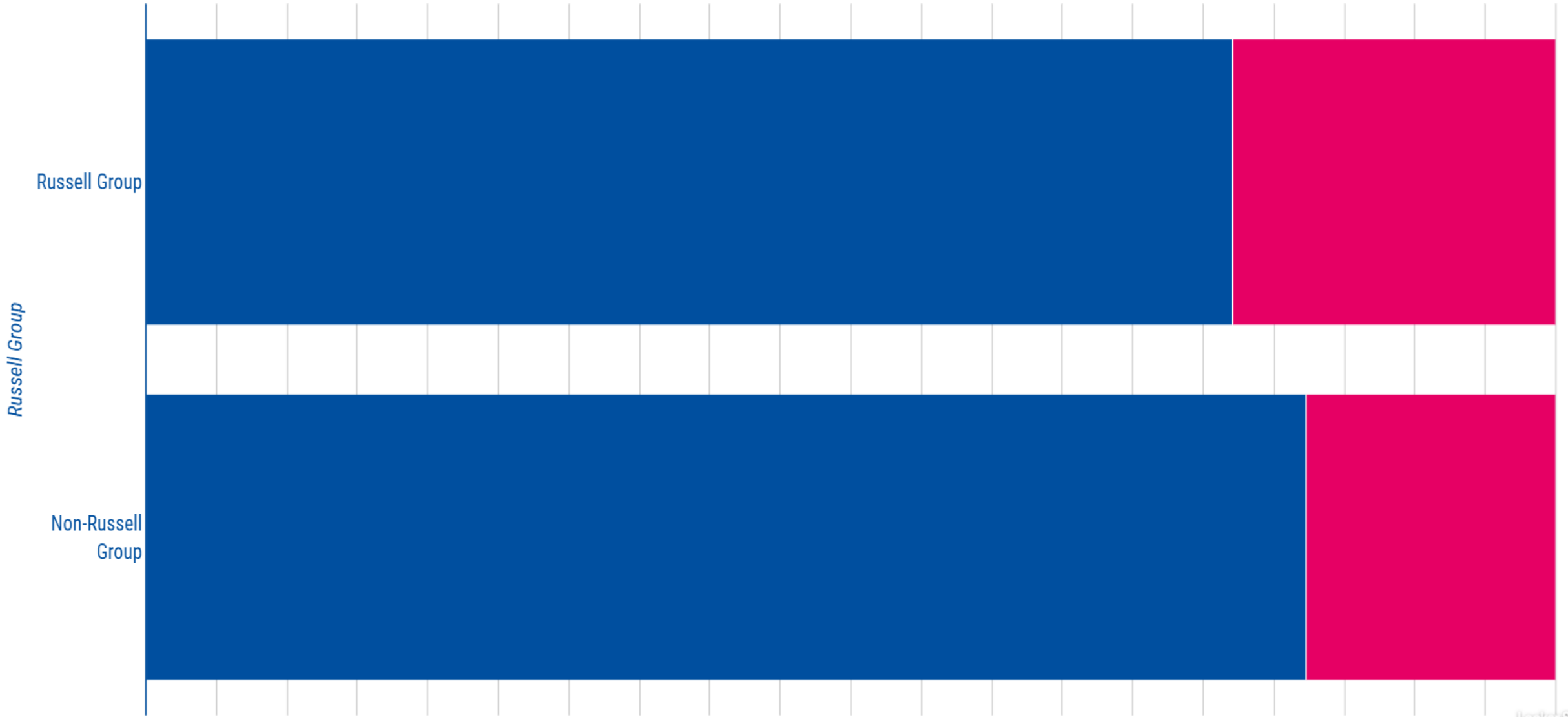
Chart 2/2



Domicile: Total (1) Level Year: 2024 (1)



Male Female



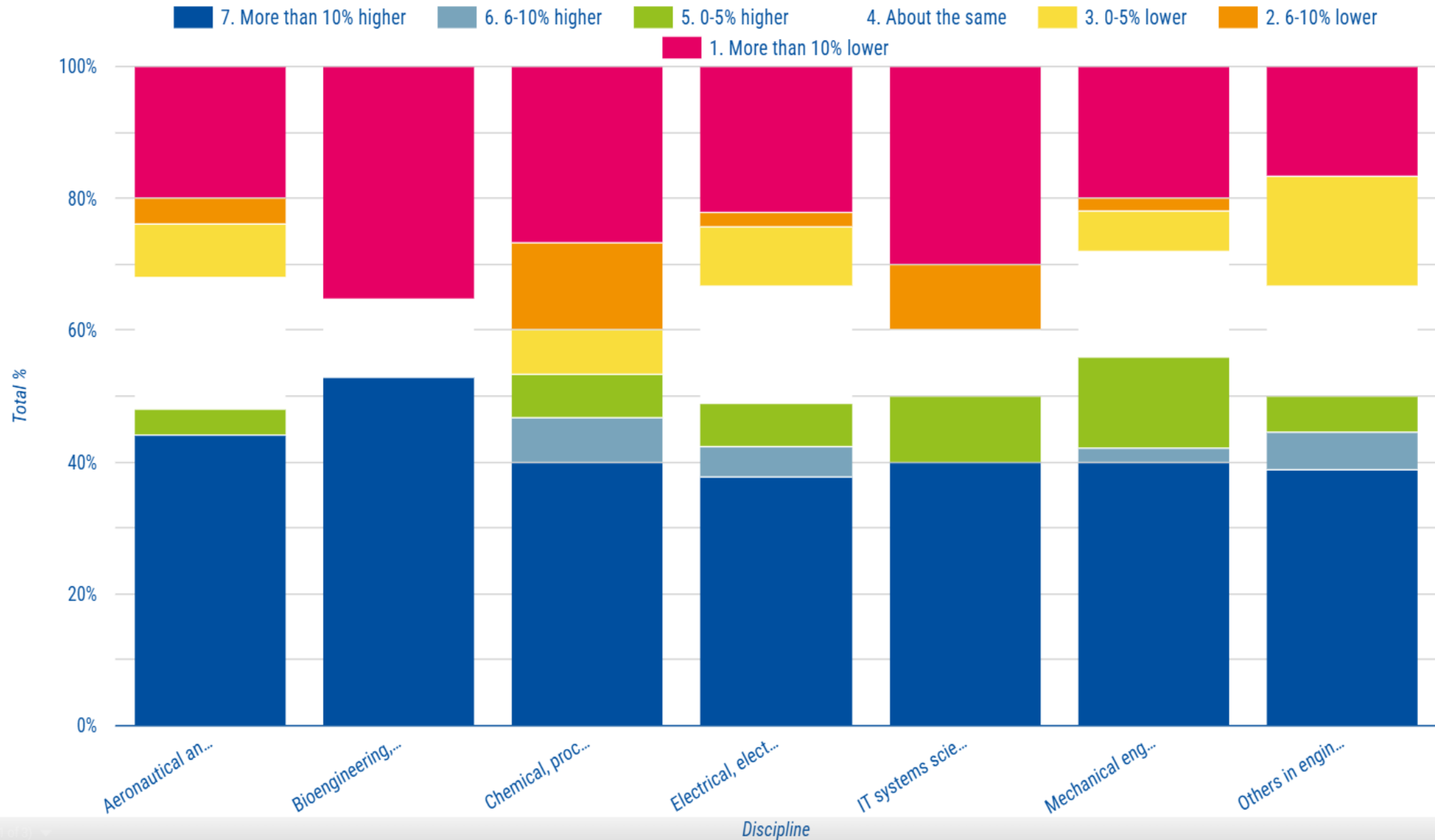
Higher enrolments than last year

- If the gap / white *About the same* in the middle is below the half-way mark, it means an overall decrease in enrolments, above= an overall increase.
- The bars show the extent of the increases and decreases reported in the survey
- Total
 - Most disciplines report increases in enrolments since last year
- Home
 - Most disciplines report increases in Home enrolments since last year

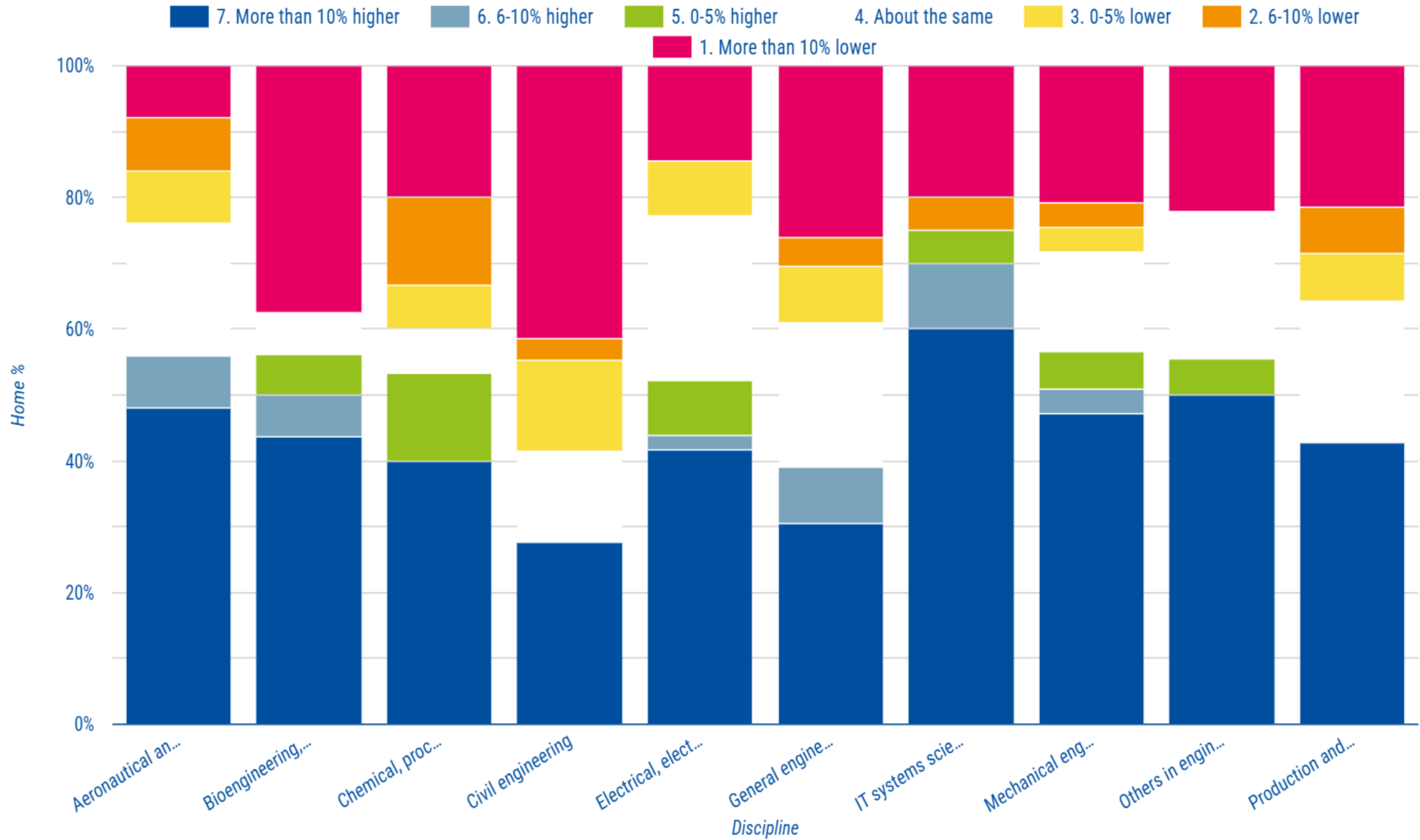




Discipline: Exclude Civil engineerin... (3)



Full screen



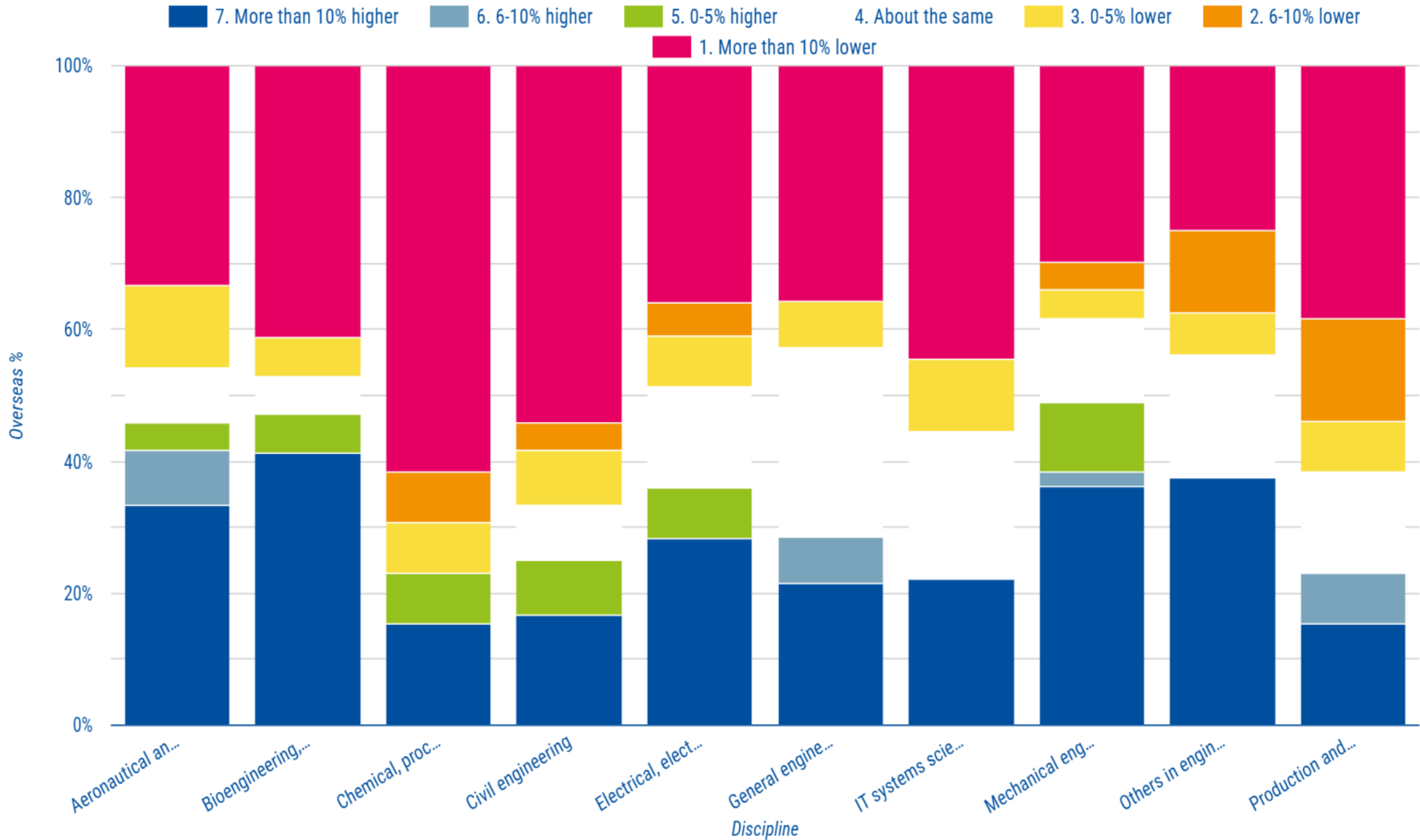
Lower enrolments than last year

- If the gap / white *About the same* in the middle is below the half-way mark, it means an overall decrease in enrolments, above= an overall increase.
- The bars show the extent of the increases and decreases reported in the survey
- Total:
 - Civil engineering and Production and manufacturing engineering report decreases year on year.
- Overseas
 - More disciplines report decreases in overseas enrolments since last year





Discipline



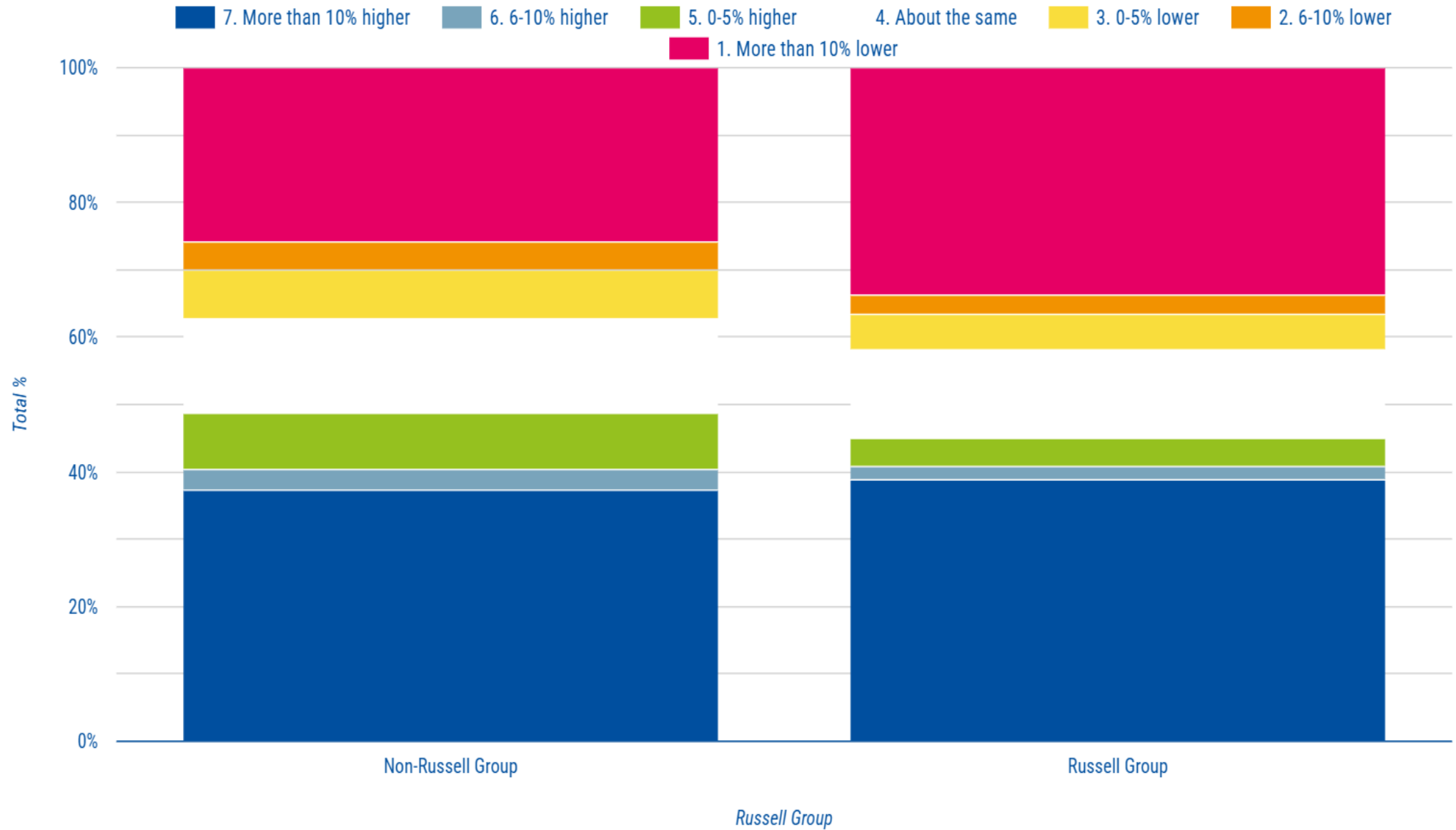
Higher or lower enrolments

- Non-Russell Group appears most stable overall
- But Russell Group showing the largest decline in Overseas students
- Compensated for in a larger increase in Home students



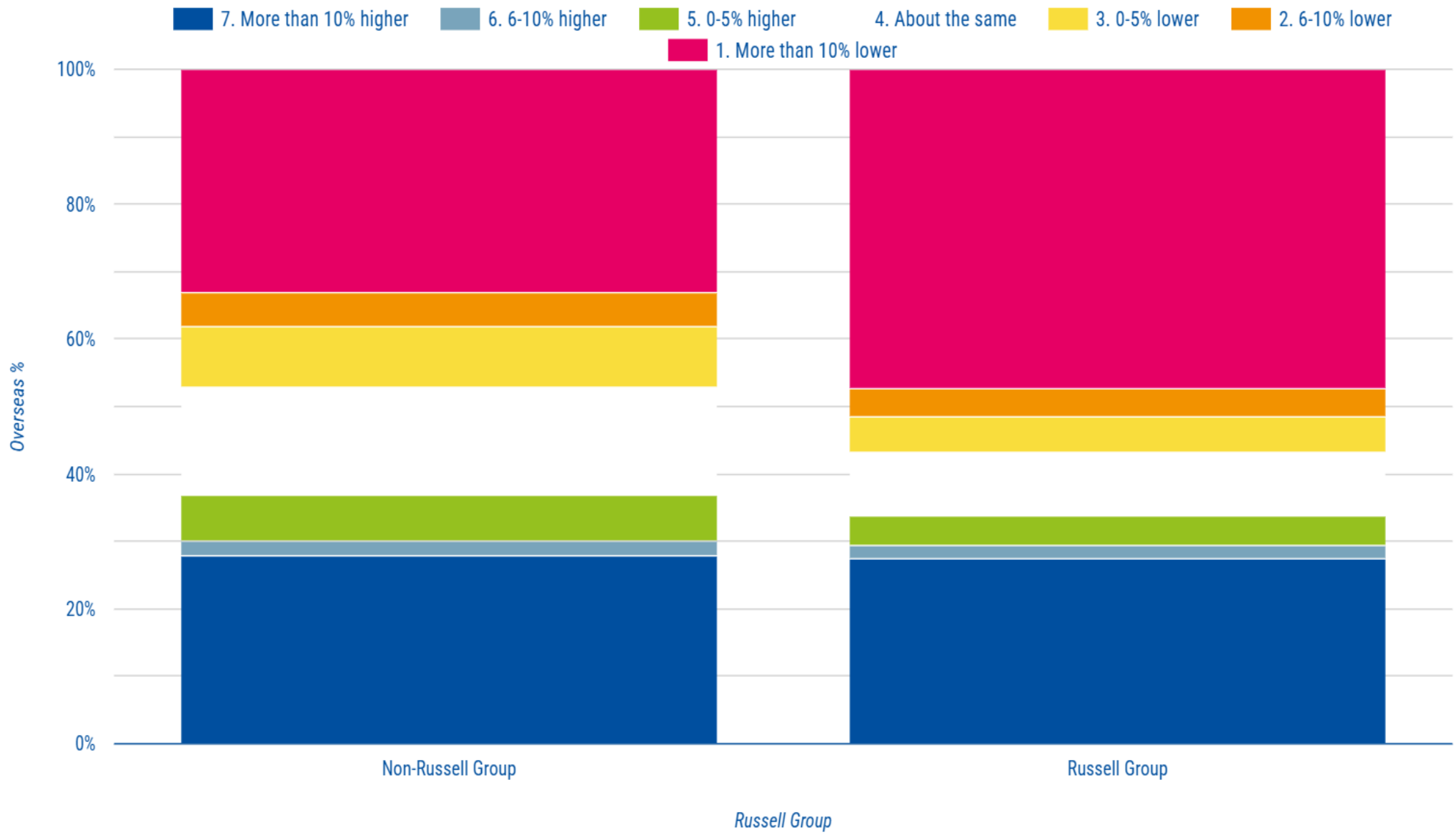


Russell Group



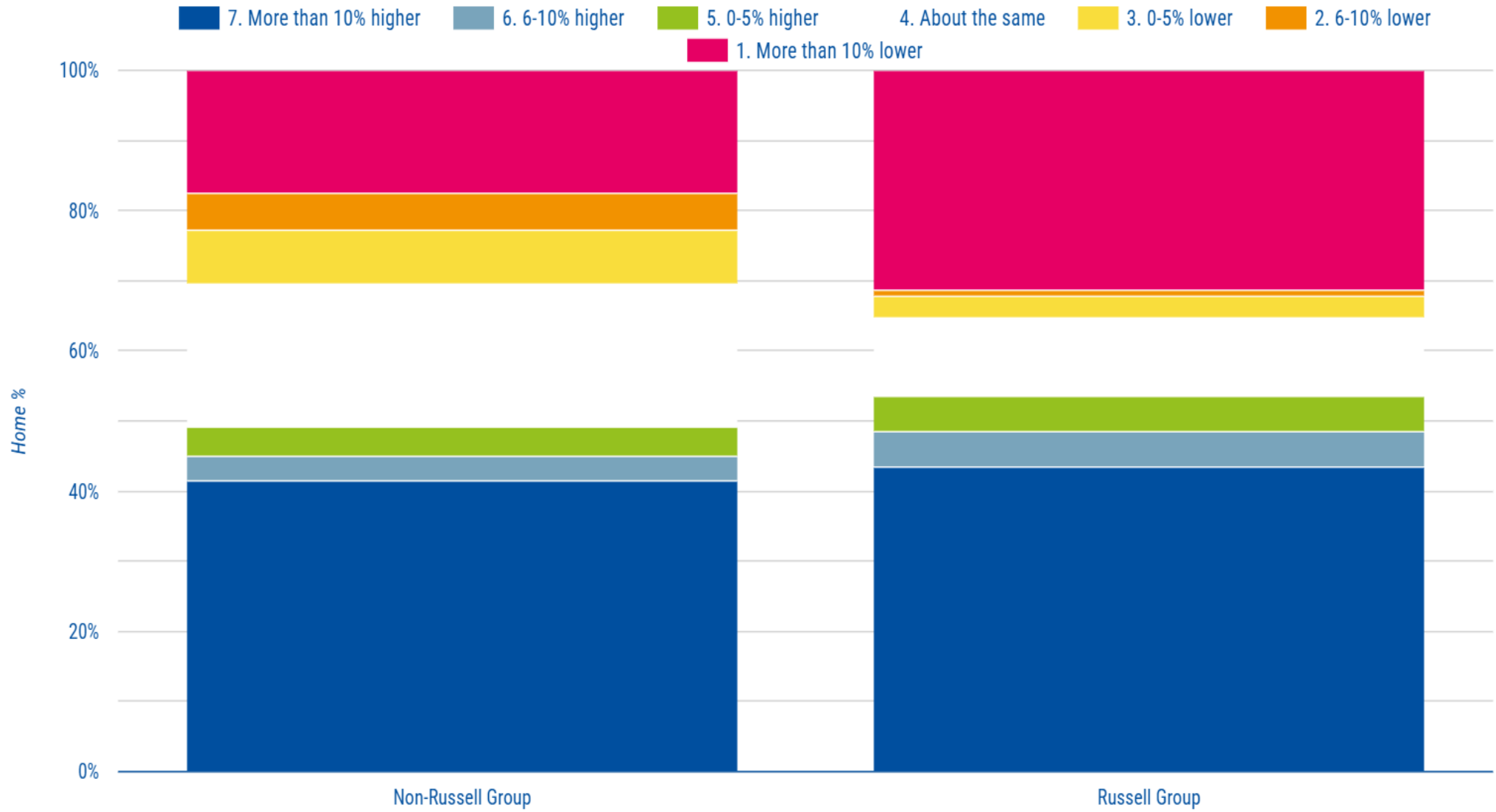


Russell Group





Russell Group



Russell Group

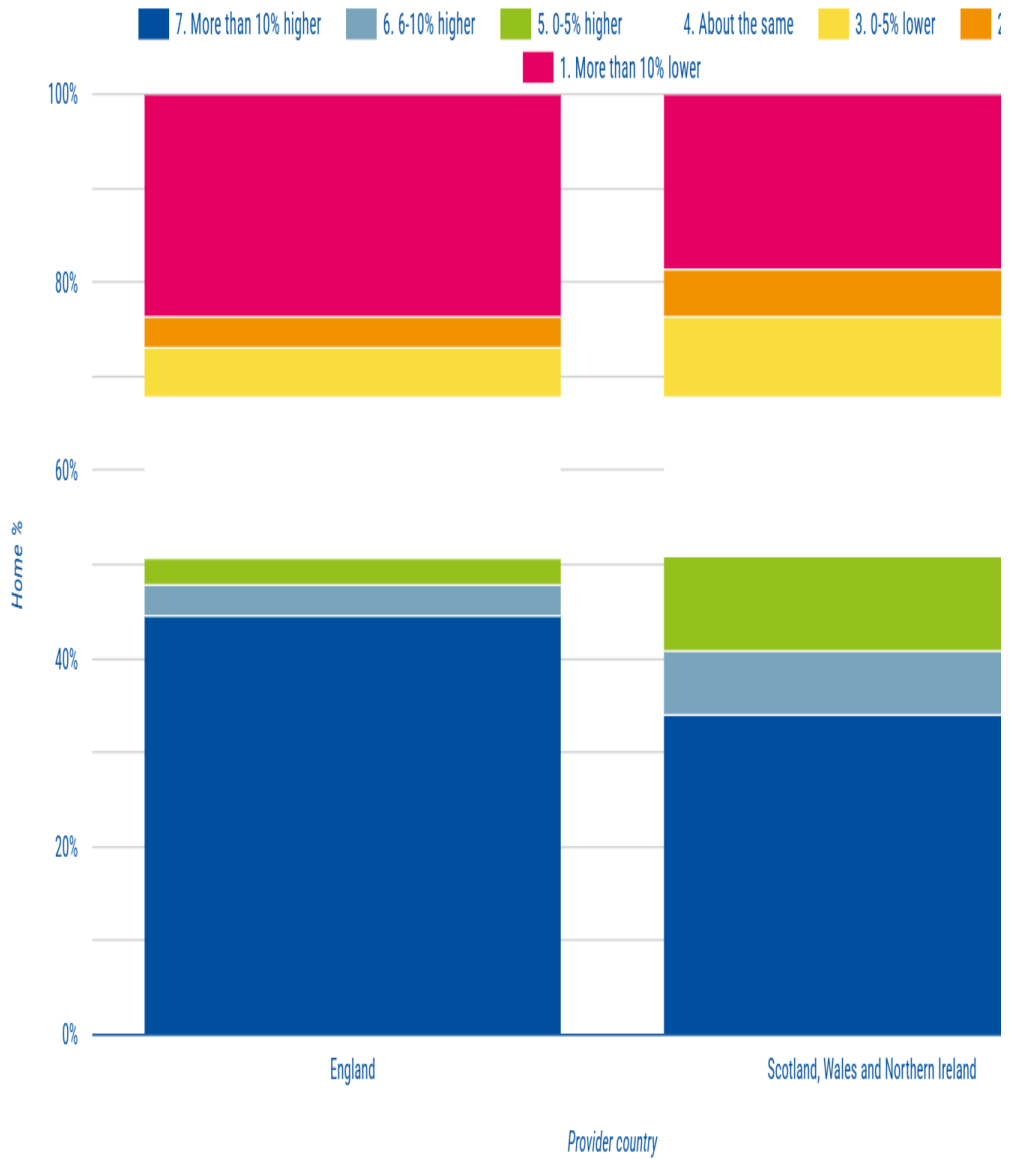
Higher or lower enrolments

- By provider country shows Home growth across all nations.
- With England taking the hit on Overseas decline.

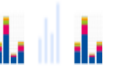
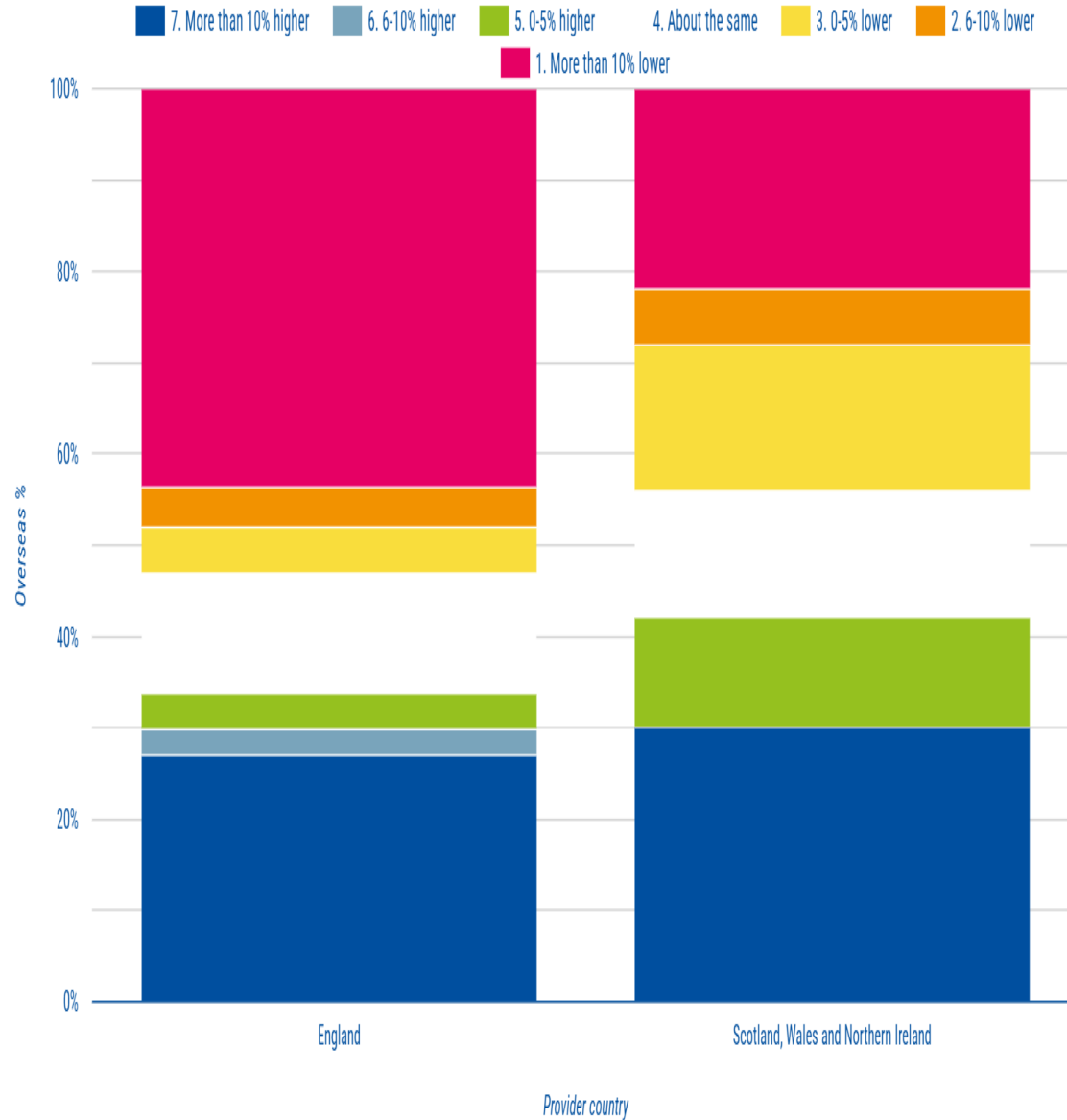




Provider country



Provider country



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Closing reflections

- EPC survey offers early warning signals, not the definitive word
- Recruitment / selection is made in context
 - National (and international) pressures
 - Institutional strategies and targets
- The results are now live on EPC online (Data explorer)
- Questions and feedback welcome
 - EPC online discussion and comment
 - EPC online Takeaways (will be updated this afternoon)
- Thank you

