

Appendix 2: How the multiplication factors have been calculated

1. This appendix provides detail on how we have calculated the multiplication factors shown in the HESES23 multiplication factors representations workbook.

Overview

2. We have calculated multiplication factors for each category of OfS-fundable students using the years of engagement you have recorded in your HESES22 data, as follows:
 - a. For full-time years of engagement (recorded in Tables 1 and 6a), we have calculated the multiplication factors using equivalent HESES22 student data from Column 4 divided by the sum of Columns 1 and 2.
 - b. For sandwich year out years of engagement (recorded in Table 2), we have calculated the multiplication factors using equivalent HESES22 student data from Column 4 divided by the sum of Columns 1 and 2, and multiplied by 0.5 (this is consistent with our approach to funding calculations in previous years).
 - c. For part-time years of engagement (recorded in Tables 3 and 6c), we have calculated the multiplication factors using equivalent HESES22 student data from Column 4a divided by the sum of Columns 1 and 2.
3. We have calculated individual multiplication factors for each category of OfS-fundable students reflecting all combinations of:
 - Mode of study – these are full-time, sandwich year out or part-time
 - Price group – these are A, B, C1.1, C1.2, C2 or D (Tables 1, 2 and 3 only)
 - Profession of students on pre-registration health courses (Tables 6a and 6c only)
 - Length of year – this is either standard or long
 - Level of study – these are UG (Level 4 and 5), UG (Other), PGT (UG fee), PGT (Masters' loan) or PGT (Other). For Tables 6a and 6c UG (Level 4 and 5) and UG (Other) are combined into UG (All).¹
4. These multiplication factors reflect the non-completion rates as well as the intensity of study for sandwich year out and part-time students that you have recorded through FTEs in HESES22. Wherever possible, they have been derived using your provider's own HESES22 data for the relevant student category concerned.
5. Where you have recorded less than 10 years of engagement for a particular student category in HESES22, we have added together years of engagement for all combinations within a category, or all combinations within a group of categories until we have a population of at least

¹ We have not calculated multiplication factors for postgraduate research (PGR) years of as they are all non-fundable.

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10 years of engagement at a given level of aggregation from Columns 1 and 2. We've then divided the equivalent level of aggregation of student data from Column 4 by this aggregation of data from Columns 1 and 2 to calculate the multiplication factor for that student category. This is to ensure that multiplication factors we calculate are not unduly affected by extremities in small amounts of data. The methodology for aggregating categories together is described in paragraph 7 below.

6. Where you have recorded less than 10 years of engagement in total in your HESES22 data we will use relevant sector average data for each category to inform the multiplication factor. This may occur where you did not complete HESES22, or because the provision you recorded through HESES22 is too small for us to be confident in the calculation of a multiplication factor based on your data.

Levels of aggregation for Tables 1-3

7. For Tables 1-3, the levels of aggregation are:
 - a. Level 1 – Provider, mode, price group, length, level of study and fundability status
 - b. Level 2 – Provider, mode, price group, level of study and fundability status
 - c. Level 3 – Provider, mode and level of study
 - d. Level 4 – Sector, mode, price group, length, level of study and fundability status
 - e. Level 5 – Sector, mode, price group, level of study and fundability status
 - f. Level 6 – Sector, mode and level of study.
8. The HESES22 data used in calculating the multiplication factors for Tables 1 and 3 have not been adjusted for Tables 6a and 6c – that is, years of engagement for pre-registration health courses are included in the calculation of the multiplication factors for Tables 1 and 3.
9. Although only OfS-fundable years of engagement from HESES22 and HESES23 are shown in the workbook, the multiplication factors that we calculate at Level 3 and Level 6 described in paragraph 7 above will include non-fundable and overseas years of engagement.

Levels of aggregation for Tables 6a and 6c

10. For Tables 6a and 6c, the levels of aggregation are:
 - a. Level 1 – Provider, mode, profession, length, level and fundability status
 - b. Level 2 – Provider, mode, profession and level
 - c. Level 3 – Provider, mode and level
 - d. Level 4 – Sector, mode, profession, length, level and fundability status
 - e. Level 5 – Sector, mode, profession and level

f. Level 6 – Sector, mode and level.

11. Although only OfS-fundable years of engagement from HESES22 and HESES23 are shown in the workbook, multiplication factors that are calculated at Levels 2, 3, 5 and 6 will include non-fundable years of engagement.

Amendments to HESES22

12. If a provider has a data amendment accepted for its HESES22 data, the amended data will be used to recalculate multiplication factors that are applied to its HESES23 data and funding allocations and payment schedules will be adjusted accordingly.² We reserve the right to use our own estimates of the data if we consider the data returned by a provider to be inaccurate. Where multiplication factors are based on sector averages, rather than a provider's own data, we will not make adverse changes to funding allocations for the provider if those sector averages change.

² For further information and detail on data amendments, see www.officeforstudents.org.uk/data-and-analysis/amendments-to-data/.