2022-23 Individualised Learner Record (ILR) data checking tool

HESES22 comparison technical document

Contents

Summary

1. This document describes the Higher Education Students Early Statistics Survey 2022-23 (HESES22) comparison files supplied as part of the 2022-23 Individualised Learner Record (ILR) data checking tool and the algorithms used to generate the data needed to recreate HESES22 from 2022-23 ILR data. Throughout the document, fields taken or derived from the ILR record are shown in capitals.

2. The HESES22 comparison output can be used by staff responsible for individualised data returns at higher education providers to verify and correct their 2022-23 individualised student data before submitting the final data to the Education and Skills Funding Agency (ESFA).

3. The HESES22 comparison output is formed of two files. These are:

   a. HESES22 comparison workbook 'HES22_DCT_XXXXXXXX.xlsx' (where XXXXXXXX is the UK Provider Reference Number (UKPRN) for the provider).

   b. HESES22 comparison individualised file 'HES22_DCT_XXXXXXXX_IND.csv'.

   Details of how to use individualised files are given on the Office for Students (OfS) website (www.officeforstudents.org.uk/data-and-analysis/supplying-data/working-with-individualised-files/).

4. These files can be accessed from the '2022-23 Data checking tool' area of the OfS portal. Details will be emailed to the named student data contacts at providers when outputs become available.

5. This document is aimed at readers with in-depth knowledge of the data. Readers are advised to refer to 'Specification of the Individualised Learner Record for 2022 to 2023' (available from the Education and Skills Funding Agency at https://guidance.submit-learner-data.service.gov.uk/22-23/ilr/overview), 'HESES22 – Higher Education Students Early Statistics survey 2022-23' (www.officeforstudents.org.uk/publications/HESES22/) and the latest individualised files for the HESES21 comparison and the HESES20 comparison when using this document.

6. We will document any changes or corrections to the algorithms in this document on the OfS website (www.officeforstudents.org.uk/data-and-analysis/data-checking-tool/2022-23-ilr-data-checking-tool/ under 'Updates').

Changes from 2021-22 post-collection outputs

7. This section describes any changes to the outputs and algorithms since the equivalent was published for the 2021-22 ILR post-collection outputs data checking tool (www.officeforstudents.org.uk/data-and-analysis/post-collection-outputs/ilr-post-collection-outputs/ under 'Documentation').

8. Any deletions are shown with a ~~strikethrough~~. Any other changes are shown as **bold and underlined**.

Changes due to FUNDCOMP not being used

9. We will not use the FUNDCOMP field from the 2022-23 ILR, other than to identify records which are excluded from the HESES population (FUNDCOMP = 9).[1] Consequently it is necessary to use a different method to assign students to Column 3 or Column 4 of Tables 1, 2, 3, 6a, 6c and 7 of the HESES22 recreation, instead of the normal method which uses FUNDCOMP. For this purpose, the following new fields have been added:

   HESNCOMPLEVEL_Y, HESNCOMPRATE_Y

   HESENCOMPLEVEL_PROF, HESNCOMPRATE_PROF

   HESCOL3_Y, HESCOL3

   HESCOL4_Y, HESCOL4

   HESCOL4A.

   For details on these fields, please see the 'Recreating Columns 3, 4 and 4a' section of this document.

Recreating Column 3 and 4 using HESES22 non-completion rates

10. For the HESES22 comparison, we are using non-completion rates calculated from HESES22 data to determine the likelihood that a student did not complete a particular year of instance. This likelihood is used to determine the proportion of the year of instance that is counted in Column 3, and the proportion that is counted in Column 4. These proportions are recorded in the HESCOL3 and HESCOL4 fields, which, for the HESES22 comparison, replace the HESCOMP field. For example, if the non-completion rate applicable to a particular year of instance is 15 per cent, then (HESCOL3 = 0.15) and (HESCOL4 = 0.85) for that year of instance.

11. Headcounts from Columns 1, 2 and 3 of Tables 1, 2 and 3 of HESES22 have been used to calculate non-completion rates at five different levels. These are used to calculate HESCOL3 and HESCOL4 for years of instance recorded in Tables 1, 2, 3 and 7 but not in Tables 6a and 6c. Headcounts from Columns 1, 2 and 3 of Tables 6a and 6c were deducted from the headcounts from Tables 1, 2 and 3 before the rates were calculated, because non-completion rates for years of instance recorded in Tables 6a and 6c were calculated separately using a different method (see paragraph 13). At the lowest level, rates have been calculated for all combinations of the following parameters: provider; mode of study; level of study; residential and fundability status; price group; length of year of instance. At the highest level, rates have been calculated using the total headcounts from Columns 1, 2 and 3 of Tables 1, 2 and 3 of HESES22 (minus those also recorded in Tables 6a and 6c) for each provider. The combination of parameters used for each level are shown below:

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a. Level 1: (provider) x (mode of study) x (level of study) x (residential and fundability status) x (price group) x (length of year of instance).

b. Level 2: (provider) x (mode of study) x (level of study) x (residential and fundability status) x (price group).

c. Level 3: (provider) x (mode of study) x (level of study).

d. Level 4: (provider) x (mode of study).

e. Level 5: (provider).

12. As well as calculating the non-completion rate, the (Column 1 + Column 2) headcount has also been calculated for each combination at each level. These headcounts are used to determine the reliability of the calculated rate. A rate is deemed reliable if there are at least 10 years of instance in the group for which the rate was calculated, except at Level 5 where all rates are deemed reliable irrespective of the number of years of instance in the group.

13. Headcounts from Columns 1, 2 and 3 of Tables 6a and 6c of HESES22 have been used to calculate non-completion rates at five different levels. These are used to calculate HESCOL3 and HESCOL4 for years of instance recorded in Tables 6a and 6c. At the lowest level, rates have been calculated for all combinations of the following parameters: provider; mode of study; profession; residential and fundability status; level of study. At the highest level, rates have been calculated using the total headcounts from Columns 1, 2 and 3 of Tables 6a and 6c of HESES22 for each provider. The combination of parameters used for each level are shown below:

a. Level 1: (provider) x (mode of study) x (profession) x (residential and fundability status) x (level of study).

b. Level 2: (provider) x (mode of study) x (profession) x (residential and fundability status).

c. Level 3: (provider) x (mode of study) x (profession).

d. Level 4: (provider) x (mode of study).

e. Level 5: (provider).

14. As well as calculating the non-completion rate, the (Column 1 + Column 2) headcount has also been calculated for each combination at each level. These headcounts are used to determine the reliability of the calculated rate. A rate is deemed reliable if there are at least 10 years of instance in the group for which the rate was calculated, except at Level 5 where all rates are deemed reliable irrespective of the number of years of instance in the group. Where there are no years of instance in the group at Level 5, the rate is set to zero.

15. In the first step of the process of finding a suitable non-completion rate for a year of instance, we look for the corresponding rate at Level 1, using the combination of parameters shown in either paragraph 11 or 13, depending on whether the year of instance is only recorded in Tables 1 to 3, or whether it is also recorded in Tables 6a and 6c. If a rate at this level is not found (i.e. the year of instance does not correspond with a year of instance recorded by the provider at this level in HESES22), or the corresponding rate is deemed unreliable because

there are not enough years of instance in the group for which the rate was calculated, then we look for the corresponding rate at Level 2. If a rate at this level is not found, or the corresponding rate is deemed unreliable, then we look for the corresponding rate at Level 3. This process of moving to higher levels continues until a suitable rate is found. Note that if the level of study for a year of instance is not determined, then no rate will be found.

16. Because a year of instance can be in more than one price group, and the non-completion rates at some levels are dependent on price group, it may be necessary to apply more than one non-completion rate to a year of instance. For this reason, the process of finding a suitable non-completion rate is carried out for each price group that has activity in it. It is therefore possible for the values of HESCOL3 and HESCOL4 for a particular year of instance in Table 1, 2 or 3 (but not in Tables 6a and 6c) to be calculated using five different non-completion rates if there is activity in each of the five price groups.

17. The contribution to the proportions recorded in HESCOL3 and HESCOL4 from each price group is determined by the proportion of activity in each price group. For example, if 60 per cent of the activity for a year of instance is in price group B and 40 per cent is in price group C11, and the non-completion rates are 15 per cent for the price group B activity and 20 per cent for the price group C11 activity, then the value of HESCOL3 would be calculated as follows: (0.60 x 0.15) + (0.40 x 0.20) = 0.17.

Using HESCOL4 to estimate FTE

18. By applying the method described above, every year of instance in the HESES22 population contributes to both Column 3 and Column 4 of Table 1, 2 or 3 of the HESES22 recreation. Consequently, every part-time year of instance also contributes to the FTE in Column 4a. For the 2021-22 post-collection output, FTEY (where Y is the price group) was calculated for each instance by multiplying the value of HESESFTE by the proportion of activity in each price group. We cannot apply this method for the 2022-23 data checking tool, because without using FUNDCOMP it would not be possible to exclude the FTE of non-completed years of instance. Instead, we must exclude non-completed years of instance before we calculate the FTE in each price group. For this reason, the algorithm that calculates FTEY has been modified so that only the proportion of a year of instance that is counted in Column 4 is used to calculate FTE. In addition, a new HESCOL4A field has been created to record the sum of the FTE (FTEY) from all price groups. This is necessary to rebuild Column 4a, because without using FUNDCOMP it is not possible to exclude FTE associated with non-completed years of instance when summing HESESFTE.

19. The HESCOMP field has been removed for the HESES22 comparison.

20. The EXCL32 field has been updated to use COMPSTATUS rather than FUNDCOMP. This algorithm would normally use FUNDCOMP to identify students who did not complete their year of instance but due to the changes described in paragraph 9 above, COMPSTATUS is being used as a proxy for FUNDCOMP for the HESES22 recreation.

Value	Description	Definition
1	Students who withdrew before 2 November 2022 or left within 14 days of starting the	~~FUNDCOMP = 2~~ **COMPSTATUS ≠ 2, 6** and LEARNACTENDDATE ≠ BLANK and (LEARNACTENDDATE < 2 November 2022 or LEARNACTENDDATE – LEARNSTARTDATE < 14)

Value	Description	Definition
	instance without completing	
0	Otherwise	Otherwise

21. The HESAVRGFTEPOP field has been updated to not take account of the HESCOMP field.

Value	Description	Definition
1	In the 2022-23 average FTE population	TYPEYR ≠ 1 and LEARNSTARTDATE < 1 August 2022 and LEARNACTENDDATE = BLANK and FUNDCOMP ≠ 9, BLANK and MODESTUD ≠ 99, BLANK and FUNDLEV ≠ 99, BLANK and STULOAD ≠ BLANK and OFSFUNDAIM = 1 and ~~HESCOMP ≠ 3 and~~ HESMODE = PT.
0	Otherwise	Otherwise

22. The FTEA, FTEB, FTEC11, FTEC12, FTEC2 and FTED fields are now calculated by multiplying HESESFTE by the contribution of the activity in the price group to Column 4 of Tables 1 to 3 of the HESES22 recreation, instead of simply by the proportion of activity in each price group.

Field name	Value
FTEA	~~PRGA~~ **HESCOL4_A** × HESESFTE
FTEB	~~PRGB~~ **HESCOL4_B** × HESESFTE
FTEC11	~~PRGC11~~ **HESCOL4_C11** × HESESFTE
FTEC12	~~PRGC12~~ **HESCOL4_C12** × HESESFTE
FTEC2	~~PRGC2~~ **HESCOL4_C2** × HESESFTE
FTED	~~PRGD~~ **HESCOL4_D** × HESESFTE

New fields to recreate Table 7

23. Three fields have been added to enable to the recreation of Table 7 in the HESES comparison: HESAPPL6, HESAPPPOP and HESAPPSTARTER.

24. HESAPPL6 identifies students that are on Level 6 apprenticeships.

25. HESAPPPOP identifies students that are part of the Table 7 population for the recreation.

26. HESAPPSTARTER identifies students in the Table 7 population that are starters.

Other changes

HESLEVEL

27. This field has been updated to identify the undergraduate sub-levels: UG (Level 4 and 5) and UG (Other).

Value	Description	Definition
~~UG~~	~~Undergraduate~~	~~FUNDLEV = 10, 11~~
UG_45	**Undergraduate course at level 4 or 5**	**FUNDLEV = 10, 11 and NOTIONALNVQLEVELV2 = 4, 5 and OFSQAIM ≠ OTHL4_U, OTHL5_U, OTHL4_CC, OTHL5_CC, FDBC**
UG_OTH	**Undergraduate course not at level 4 or 5**	**FUNDLEV = 10, 11 and not above**
PGT_UGF	Postgraduate taught and eligible under the undergraduate student support regime	FUNDLEV = 20, 21 and SPECFEE ≠ 9, BLANK and (OFSQAIM = CERTED, PTLLS, CTLLS, DTLLS, CET, DET, PGCE or HESHEALTHPROF ≠ BLANK)
PGT_ML	Postgraduate taught course eligible for masters' loans	FUNDLEV = 20, 21 and OFSQAIM = MASTER, HIGHER and ((HESMODE = FTS, SWOUT and HESCRSELGTH = 1, 2) or (HESMODE = PT and HESCRSELGTH = 1, 2, 3, 4)) and not above
PGT_OTH	Postgraduate taught course that does not fall under the previous two categories	FUNDLEV = 20, 21 and not above
PGR	Postgraduate research	FUNDLEV = 30, 31
BLANK	Otherwise	Otherwise

HESBROADLEVEL

28. This field has been updated to include the undergraduate sub-levels: UG (Level 4 and 5) and UG (Other).

Value	Description	Definition
UG	Undergraduate	HESLEVEL = ~~UG,~~ **UG_45, UG_OTH**
PGT	Postgraduate taught	HESLEVEL = PGT_UGF, PGT_ML, PGT_OTH
PGR	Postgraduate research	HESLEVEL = PGR
BLANK	Otherwise	Otherwise

HESYAPOP

29. This field has been updated to include the undergraduate sub-levels: UG (Level 4 and 5) and UG (Other).

Value	Description	Definition
1	Student on year abroad	HESEXCL = 0 and HESLEVEL = ~~UG~~, **UG_45, UG_OTH** and HESMODE = FTS, SWOUT and HESTYPE ≠ ISOV and SPECFEE = 2, 3
0	Otherwise	Otherwise

HESHEALTHPOP

30. This field has been updated to include the undergraduate sub-levels: UG (Level 4 and 5) and UG (Other).

Value	Description	Definition
1	Year of instance included in Tables 6a and 6c	HESEXCL = 0 and HESLEVEL = ~~UG~~, **UG_45, UG_OTH,** PGT_UGF and HESTYPE = HOMEF, HOMENF and HESHEALTHPROF ≠ BLANK
0	Otherwise	Otherwise

HESES22 comparison workbook

31. The HESES22 comparison workbook is the Excel workbook 'HES22_DCT_XXXXXXXX.xlsx' which contains the worksheets shown in Table 1. This workbook will be updated in the week commencing 28 August 2023 to include funding modelled using 2022-23 ILR data.

Table 1: Worksheets in the HESES22 comparison workbook

Worksheet*	Title
Cover_sheet	Workbook information
Table_of_contents	Table of contents
Key_differences	Key differences between HESES22 and recreated HESES22
Rebuild_summary	Comparison of splits of years of instance and FTE
Courses	HESES22 recreation Courses table: Countable years of instance between 1 August 2022 and census date at course level
1_Full_time	HESES22 recreated using 2022-23 ILR data Table 1: Full-time counts of years of instance
2_Sandwich	HESES22 recreated using 2022-23 ILR data Table 2: Sandwich year out counts of years of instance
3_Part_time	HESES22 recreated using 2022-23 ILR data Table 3: Part-time counts of years of instance and FTE
4_Year_abroad	HESES22 recreated using 2022-23 ILR data Table 4: Home fee undergraduate years of instance abroad
5_Planning	HESES22 recreated using 2022-23 ILR data Table 5: Further student analysis for planning purposes

Worksheet*	Title
6a_Health_full_time	HESES22 recreated using 2022-23 ILR data Table 6a: Full-time counts of years of instance for home fee students on pre-registration health courses
6c_Health_part_time	HESES22 recreated using 2022-23 ILR data Table 6c: Part-time counts of years of instance and FTE for home fee students on pre-registration health courses
7_Degree_apprenticeships	HESES22 recreated using 2022-23 ILR data Table 7: Home fee years of instance and full-time equivalence (FTE) on degree apprenticeships
hCourses	HESES22 Courses table: Countable years of instance between 1 August 2022 and census date at course level
h1_Full_time	HESES22 Table 1: Full-time counts of years of instance
h2_Sandwich	HESES22 Table 2: Sandwich year out counts of years of instance
h3_Part_time	HESES22 Table 3: Part-time counts of years of instance and FTE
h4_Year_abroad	HESES22 Table 4: Home fee undergraduate years of instance abroad
h5_Planning	HESES22 Table 5: Further student analysis for planning purposes
h6a_Health_full_time	HESES22 Table 6a: Full-time counts of years of instance for home fee students on pre-registration health courses
h6c_Health_part_time	HESES22 Table 6c: Part-time counts of years of instance and FTE for home fee students on pre-registration health courses
h7_Degree_apprenticeships	HESES22 Table 7: Home fee years of instance and full-time equivalence (FTE) on degree apprenticeships
Courses_diff	Difference between HESES22 recreated using 2022-23 ILR data and HESES22 Courses table: Countable years of instance between 1 August 2022 and census date at course level
1_Full_time_diff	Difference between HESES22 recreated using 2022-23 ILR data and HESES22 Table 1: Full-time counts of years of instance
2_Sandwich_diff	Difference between HESES22 recreated using 2022-23 ILR data and HESES22 Table 2: Sandwich year out counts of years of instance
3_Part_time_diff	Difference between HESES22 recreated using 2022-23 ILR data and HESES22 Table 3: Part-time counts of years of instance and FTE
4_Year_abroad_diff	Difference between HESES22 recreated using 2022-23 ILR data and HESES22 Table 4: Home fee undergraduate years of instance abroad
5_Planning_diff	Difference between HESES22 recreated using 2022-23 ILR data and HESES22 Table 5: Further student analysis for planning purposes

Worksheet*	Title
6a_Health_full_time_diff	Difference between HESES22 recreated using 2022-23 ILR data and HESES22 Table 6a: Full-time counts of years of instance for home fee students on pre-registration health courses
6c_Health_part_time_diff	Difference between HESES22 recreated using 2022-23 ILR data and HESES22 Table 6c: Part-time counts of years of instance for home fee students on pre-registration health courses
7_Degree_apprenticeships_diff	Difference between HESES22 recreated using 2022-23 ILR data and HESES22 Table 7: Home fee years of instance and full-time equivalence (FTE) on degree apprenticeships
A_Summary	2023-24 Grant tables Table A: Summary of 2023-24 allocations
B_High_cost	2023-24 Grant tables Table B: 2023-24 High-cost subject funding
C_NMAH_supplement	2023-24 Grant tables Table C: 2023-24 Nursing, midwifery and allied health supplement
D_Overseas	2023-24 Grant tables Table D: 2023-24 Overseas study programmes
E_Other_high_cost_targeted	2023-24 Grant tables Table E: 2023-24 Other high-cost targeted allocations
F_Student_access_and_success	2023-24 Grant tables Table F: 2023-24 Student access and success
G_Parameters	2023-24 Grant tables Table G: 2023-24 Parameters in the funding models

* Shading corresponds to the colour of the workbook tab

32. The difference sheets (see worksheets ending in 'diff' in Table 1) will indicate where differences between the HESES22 recreation tables and HESES22 tables exceed a given threshold. The size of this threshold can be altered by entering the required value where indicated on the worksheets. These sheets are to assist providers in reconciling differences between HESES22 data and the HESES22 recreation data.

33. Providers are strongly encouraged to use the 'Rebuild_summary' worksheet in the 'HES22_DCT_XXXXXXXX.xlsx' workbook which may highlight data quality issues relating to the 2022-23 ILR fields used in the HESES22 recreation algorithms.

HESES22 comparison individualised file

34. When working through this technical document it is necessary to use the individualised file, 'HES22_DCT_XXXXXXXX_IND.csv'. The individualised file contains the values of all fields used to generate the HESES22 comparison output.

35. Fields taken from the 2022-23 ILR return or derived as part of the HESES22 comparison output are shown in capitals using the names given in Table 2 and Table 3 respectively.

36. Specific instructions for rebuilding the HESES22 comparison workbook from the individualised file are provided in the HESES22 comparison rebuild document.

37. The individualised file contains one record per year of instance (each unique combination of UKPRN, LEARNREFNUMBER, AIMSEQNUMBER and STUBID) in the 2022-23 academic year.

ILR fields used to create the HESES22 comparison

38. The ILR fields used to generate the HESES22 comparison are listed in Table 2.

Table 2: List of ILR fields used in the HESES22 comparison output

Name	Description	Data source	Column in individualised file
AIMSEQNUMBER	Learning aim data set sequence	ILR	C
COMPSTATUS	Completion status	ILR	AZ
DELLOCPOSTCODE	Delivery Location Postcode	ILR	BA
DOMICILE	Country of domicile	ILR	BB
FUNDCOMP	Completion of year of instance	ILR	BQ
FUNDLEV	Level applicable to HESES	ILR	BR
LEARNACTENDDATE	Learning actual end date	ILR	CK
LEARNAIMREF	Learning aim reference	ILR	L
LEARNDELFAMCODE‡	The value of the funding or monitoring attribute	ILR	See Table 3
LEARNDELFAMTYPE‡	The type of funding or monitoring attribute	ILR	See Table 3
LEARNPLANENDDATE	Learning planned end date	ILR	CO
LEARNREFNUMBER	Learner reference number	ILR	B
LEARNSTARTDATE	Learning start date	ILR	CP
MODESTUD	Mode applicable to HESES	ILR	CQ
ORIGLEARNSTARTDATE	Original learning start date	ILR	CW
PCFLDCS	Proportion taught in LDCS_CO1 subject	ILR	CX
PCSLDCS	Proportion taught in LDCS_CO2 subject	ILR	CY
PCTLDCS	Proportion taught in LDCS_CO3 subject	ILR	CZ
PROGTYPE	Type of programme	ILR	DA
PROVSPECLEARNMON†	Provider-specified learner data	ILR	See Table 3
PROVSPECLEARNMONOCCUR†	The occurrence of provider-specified learner data	ILR	See Table 3
SPECFEE	Special fee indicator	ILR	DC
STULOAD	Learner FTE	ILR	DD
TYPEYR	Type of instance year	ILR	DF
UKPRN	UK provider reference number	ILR	A
ULN	Unique learner number	ILR	E
AWARDORGNAME	Awarding body	LARS	AX
AWARDORGUKPRN	Awarding body UKPRN	LARS	AY
LDCS_CO1	Learning directory classification system code 1	LARS	CH

Name	Description	Data source	Column in individualised file
LDCS_CO2	Learning directory classification system code 2	LARS	CI
LDCS_CO3	Learning directory classification system code 3	LARS	CJ
LEARNAIMREFTYPE	Learning aim type	LARS	CL
LEARNINGDELIVERYGENRE	Genre of the learning delivery	LARS	CN
NOTIONALENDLEVEL	Attainment level for the apprenticeship standard	LARS	CR
NOTIONALNVQLEVELV2	Level of the learning aim	LARS	CS
REGULATEDCREDITVALUE	Learning aim's credit value within a regulated credit framework	LARS	DB
UNITTYPE	Learning aim's unit type	LARS	DG

† These fields are not used in the comparison but are included in the individualised file to allow easy identification of students.

‡ Only values of LEARNDELFAMCODE and consequently LEARNDELFAMTYPE that are required for the recreation of HESES22 are included in the individualised file.

Description of derived fields

39. The derived fields used to generate the HESES22 comparison output are listed in Table 3.

Table 3: List of derived fields used in the HESES22 comparison output

Derived field name	Description	Paragraph	Column in individualised file
ANNIV	Anniversary of start date	40	AW
EXCL1	Student not active in academic year	76	BC
EXCL2	Non-recognised higher education qualification aim	77	BD
EXCL4	Student explicitly excluded from the HESES student population	78	BE
EXCL8	Student with an FTE of less than 0.03	79	BF
EXCL16	Student on non-standard year of instance in final academic year	80	BG
EXCL32	Students who withdrew before 2 November 2022 or left within 14 days of starting without completing	81	BH
EXCL64	No price group information and FTE of at least 0.03	82	BI
FDTEACH	Student on foundation degree teaching assistant course	70	BJ
FTEA, FTEB, FTEC11, FTEC12, FTEC2 and FTED	Proportion of FTE assigned to price group	113	BK - BP
HESAPPRENTICE	Student is on an apprenticeship	41	BT
HESAPPL6	Student is on a Level 6 apprenticeship	100	BS
HESAPPPOP	Student is in Table 7 population	101	M
HESAPPSTARTER	Student is a starter on Table 7	102	N
HESAVRGFTE	Average FTE	65	BU
HESAVRGFTEPOP	Whether the student is in the population for the calculation of HESAVRGFTE	61	BV
HESAVRGFTETYPE	Indicates the hierarchy of students that are used to inform the mean average FTE that is used to calculate HESAVRGFTE	63	BW
HESBROADLEVEL	Broad level of study	88	BX
HESCOL3_Y	Contribution of activity in price group to Column 3 of Tables 1-3 and 7	107	P-U
HESCOL3	Contribution of year of instance to Column 3 and Tables 1-3 and 7	108	O

Derived field name	Description	Paragraph	Column in individualised file
HESCOL4_Y	Contribution of activity in price group to Column 4 of Tables 1-3 and 7	109	W-AB
HESCOL4	Contribution of year of instance to Column 4 and Tables 1-3 and 7	110	V
HESCOL4A	Estimates contribution to FTE for year of instance	112	AC
HESCRSELGTH	Number of years qualification aim expected to last	42	BY
HESEC	Whether student has UK, EU or other domicile	87	BZ
HESESFTE	HESES FTE	69	CA
HESEXCL	Reason(s) for exclusion from the HESES population	83	AD
HESFTE_CASE	Method used to calculate HESESFTE	60	CB
HESHEALTHPOP	Indicates whether year of instance is included in the count of Tables 6a and 6c	99	AE
HESHEALTHPROF	States the nursing, midwifery or allied health profession that the student is studying towards	73	AF
HESHEALTHYEAR	States the academic year that the student started their studies	98	AG
HESLEVEL	Level of study	43	AH
HESMODE	Mode of study	44	AI
HESNCOMPLEVEL_Y	Level at which HESNCOMPRATE_Y is calculated for year of instance	103	DH-DM
HESNCOMPLEVEL_PROF	Level at which HESNCOMPRATE_PROF is calculated for year of instance	105	DN
HESNCOMPRATE_Y	Estimate of likelihood that activity in price group was not completed	104	DO-DT
HESNCOMPRATE_PROF	Estimate of likelihood that activity in price group was not completed	106	DU
HESNEWENTRANT	Whether the student is a new entrant	97	AJ
HESOVER	Primary derived field(s) being overwritten	45	CC
HESPGTPYR2	Number of postgraduate taught years of instance in 2020-21 ILR	95	CD
HESPGTPYR	Number of postgraduate taught years of instance in 2021-22 ILR	92	CE
HESREG	HESES Column 1 or 2 indicator	46	AK
HESRESSTAT	Fundability and residential status	47	AL

Derived field name	Description	Paragraph	Column in individualised file
HESTYPE	Fundability status	48	AM
HESUGPYR2	Number of undergraduate years of instance in 2020-21 ILR	91	CF
HESUGPYR	Number of undergraduate years of instance in 2021-22 ILR	89	CG
HESYAPOP	Indicates whether year of instance is included in the count of Table 4: Home fee undergraduate years of instance abroad	86	AN
HESYATYPE	Type of fee charged to students spending a whole year abroad	85	AO
LEARNDELFAM_SOF1	Source of funding	49	CM
LENGTH	Long or standard year length	50	AP
OFSAWARD	Recognition of awarding body	51	CT
OFSFUNDAIM	Recognition of aim for funding purposes	53	CU
OFSQAIM	Broad category of higher education	55	CV
PRGA, PRGB, PRGC11, PRGC12, PRGC2 and PRGD	Proportion of countable year in price group	74	AQ - AV
PROVSPECDELMON_A, PROVSPECDELMON_B, PROVSPECDELMON_C, PROVSPECDELMON_D	Provider-specified learning aim data	58	H - K
PROVSPECLEARNMON_A, PROVSPECLEARNMON_B	Provider-specified learner data	57	F – G
STUBID	Unique year of instance of study	59	D
TTCID	Student is on an Initial Teacher Training (ITT) course	71	DE

Year of instance derived fields

ANNIV

40. This field contains the anniversary of the start date (LEARNSTARTDATE) during the current academic year.

HESAPPRENTICE

41. This field flags whether the learning aim is part of an apprenticeship at any level.

Value	Description	Definition
1	Learning aim may be part of an apprenticeship	PROGTYPE = 2, 3, 20, 21, 22, 23, 25
0	Otherwise	Otherwise

HESCRSELGTH

42. This field contains the expected length of the course in whole numbers of years, calculated from the difference between LEARNSTARTDATE and LEARNPLANENDDATE. Expected course lengths that contain a fraction of a year that exceeds two weeks are rounded up to the next whole year. Otherwise, the value is rounded down to the nearest whole number of years, except where the expected course length is less than one year – such expected course lengths will be rounded up to one year. For example, an expected length of course that is one year and three weeks will be rounded up to two years. An expected length of course that is one year and one week will be rounded down to one year.

HESLEVEL

43. This field allocates students to level of study.

Value	Description	Definition
UG_45	Undergraduate course at level 4 or 5	FUNDLEV = 10, 11 and NOTIONALNVQLEVELV2 = 4, 5 and OFSQAIM ≠ OTHL4_U, OTHL5_U, OTHL4_CC, OTHL5_CC, FDBC
UG_OTH	Undergraduate course not at level 4 or 5	FUNDLEV = 10, 11 and not above
PGT_UGF	Postgraduate taught and eligible under the undergraduate student support regime	FUNDLEV = 20, 21 and SPECFEE ≠ 9, BLANK and (OFSQAIM = CERTED, PTLLS, CTLLS, DTLLS, CET, DET, PGCE or HESHEALTHPROF ≠ BLANK)
PGT_ML	Postgraduate taught course eligible for masters' loans	FUNDLEV = 20, 21 and OFSQAIM = MASTER, HIGHER and ((HESMODE = FTS, SWOUT and HESCRSELGTH = 1, 2) or (HESMODE = PT and HESCRSELGTH = 1, 2, 3, 4)) and not above
PGT_OTH	Postgraduate taught course that does not fall under the previous two categories	FUNDLEV = 20, 21 and not above
PGR	Postgraduate research	FUNDLEV = 30, 31
BLANK	Otherwise	Otherwise

HESMODE

44. This field allocates students to mode of study.

Value	Description	Definition
PT	Part-time	MODESTUD = 3 or OFSQAIM = FDBC
FTS	Full-time	MODESTUD = 1 and not above
SWOUT	Sandwich year out	MODESTUD = 2 and not above

HESOVER

45. This field indicates the primary derived field(s) that have been overridden for the student. For example, if HESOVER = 21, by subtracting figures from the following table starting at the bottom, we see that the student has had overrides for HESTYPE (HESOVER = 16), HESREG (HESOVER = 4) and HESEXCL (HESOVER = 1) applied.

Value	Description
1	Override to HESEXCL
2	Override to HESMODE
4	Override to HESREG
8	Override to HESCOMP (not used in 2022-23)
16	Override to HESTYPE
32	Overrides to PRGA, PRGB, PRGC11, PRGC12, PRGC2 and PRGD
64	Override to LENGTH
128	Override to HESLEVEL
256	Override to HESESFTE
1024	Override to OFSQAIM
2048	Override to HESYAPOP
4096	Override to HESYATYPE
0	Otherwise

HESREG

46. This field assigns students to Column 1 or 2 of Tables 1 to 3 of the HESES recreation.

Value	Description	Definition
1	Column 1 student	ANNIV < 2 November 2022
2	Column 2 student	Otherwise

HESRESSTAT

47. This field allocates students to the five categories of fundability and residential status.

Value	Description	Definition
HOMEF_UK	OfS-fundable, UK-domiciled	HESTYPE = HOMEF and HESEC = UK
HOMEF_OTH	OfS-fundable, Other	HESTYPE = HOMEF and not above
HOMENF_UK	Non-fundable, UK-domiciled	HESTYPE = HOMENF and HESEC = UK

Value	Description	Definition
HOMENF_OTH	Non-fundable, Other	HESTYPE = HOMENF and not above
ISOV	Island and overseas	Otherwise

HESTYPE

48. This field allocates students to the three categories of fundability and residential status.

Value	Description	Definition
HOMEF	Home fee OfS-fundable	LEARNDELFAM_SOF1 = 1 or ((HESEC = UK, IE or (HESEC = CROWN and DELLOCPOSTCODE ≠ ZZ99 9ZZ) or (HESEC = OEU and LEARNSTARTDATE < 1 August 2021)) and FUNDLEV ≠ 30, 31 and LEARNDELFAM_SOF1 = 105 and HESAPPRENTICE = 1 and OFSFUNDAIM = 1)
HOMENF	Home fee non-fundable	(HESEC = UK, IE or (HESEC = CROWN and DELLOCPOSTCODE ≠ ZZ99 9ZZ) or (HESEC = OEU and LEARNSTARTDATE < 1 August 2021)) and LEARNDELFAM_SOF1 ≠ 1 and not above
ISOV	Overseas	Otherwise

LEARNDELFAM_SOF1

49. This field contains the value of LEARNDELFAMCODE where LEARNDELFAMTYPE = SOF.

LENGTH

50. This field indicates whether the student is on a standard or long year of instance.

Value	Description	Definition
L	Long	FUNDLEV = 11, 21, 31
S	Standard	Otherwise

OFSAWARD

51. This field indicates the type of awarding powers held by the awarding body of a qualification.

52. For a full definition of this field please refer to '2022-23 ILR data checking tool: Classifying learning aims technical document' (http://www.officeforstudents.org.uk/data-and-analysis/data-checking-tool/2022-23-ilr-data-checking-tool/).

OFSFUNDAIM

53. This field indicates whether a learning aim meets the definition of recognised higher education for OfS funding purposes, as per paragraphs 1-2 of Annex B of 'HESES22 - Higher Education

Students Early Statistics Survey 2022-23'
(www.officeforstudents.org.uk/publications/HESES22/).

54. For a full definition of this field please refer to '2022-23 ILR data checking tool: Classifying learning aims technical document' (available at: http://www.officeforstudents.org.uk/data-and-analysis/data-checking-tool/2022-23-ilr-data-checking-tool/).

OFSQAIM

55. This field allocates aims to broad categories of higher education.

56. For a full definition of this field, please refer to '2022-23 ILR data checking tool: Classifying learning aims technical document' (http://www.officeforstudents.org.uk/data-and-analysis/data-checking-tools/2022-23-ilr-data-checking-tool/).

PROVSPECLEARNMON_A, PROVSPECLEARNMON_B

57. These fields contain the value of PROVSPECLEARNMON where PROVSPECLEARNMONOCCUR = A or B respectively.

PROVSPECDELMON_A, PROVSPECDELMON_B, PROVSPECDELMON_C, PROVSPECDELMON_D

58. These fields contain the value of PROVSPECDELMON where PROVSPECDELMONOCCUR = A, B, C or D respectively.

STUBID

59. This field identifies years of instance when used in conjunction with UKPRN, LEARNREFNUMBER, and AIMSEQNUMBER. Where there are two years of instance within a single academic year, we create two records in the individualised file. This can happen where the student undertakes activity both before and after the anniversary of their commencement date and has not undertaken activity in the year of instance in the previous academic year. These records are distinguished using STUBID.

Value	Description	Definition
1	First year of instance	Provider-specific override
2	Second year of instance	Provider-specific override
0	One year of instance	Otherwise

Calculation of FTE

HESFTE_CASE

60. For part-time years of instance, the method used to calculate HESESFTE is dependent on the following factors:

   a. Number of years of instance generated in the HESES recreation.

   b. Whether the year of instance in the current academic year is standard or non-standard.

   c. Whether the year of instance in the previous academic year was standard or non-standard.

d. Whether the instance started in the current academic year.

The table below shows how we identify different cases of FTE calculation.

Value	Description	Definition
0	Standard year of instance	STUBID = 0 and TYPEYR = 1
1	Non-standard year of instance and the instance starts in the current academic year	STUBID = 0 and TYPEYR = 2 and LEARNSTARTDATE > 31 July 2022
2	Non-standard year of instance and the instance does not start in the current academic year	STUBID = 0 and TYPEYR = 2 and LEARNSTARTDATE < 1 August 2022
When two countable years of instance are generated:		
3a	First countable year of instance	STUBID = 1
3b	Second countable year of instance	STUBID = 2

HESAVRGFTEPOP

61. HESAVRGFTEPOP is used to identify students who are on a non-standard year of instance, with a non-blank STULOAD and who are not explicitly excluded from the HESES population. These students are then used to calculate the average FTE to apply to students on non-standard years who have an instance that starts in the current academic year (HESFTE_CASE = 1).

62. The 2022-23 average FTE population is defined as follows:

Value	Description	Definition
1	In the 2022-23 average FTE population	TYPEYR ≠ 1 and LEARNSTARTDATE < 1 August 2022 and LEARNACTENDDATE = BLANK and FUNDCOMP ≠ 9, BLANK and MODESTUD ≠ 99, BLANK and FUNDLEV ≠ 99, BLANK and STULOAD ≠ BLANK and OFSFUNDAIM = 1 and HESMODE = PT
0	Otherwise	Otherwise

HESAVRGFTETYPE

63. This field identifies the level at which HESAVRGFTE is calculated for all students on non-standard years of instance (TYPEYR ≠ 1).

Value	Description
1	There are 10 or more students in the 2022-23 average FTE population (HESAVRGFTEPOP = 1) at a given provider (UKPRN) who have the same recognised HE qualification aim (OFSQAIM), HESES mode (HESMODE) and expected course length (HESCRSELGTH)

Value	Description
2	There are 10 or more students in the 2022-23 average FTE population (HESAVRGFTEPOP = 1) at a given provider (UKPRN) who have the same recognised HE qualification aim (OFSQAIM) and not above
3	There are 10 or more students in the 2022-23 average FTE population (HESAVRGFTEPOP = 1) at a given provider (UKPRN) who have the same level of study (HESLEVEL) and not above
4	Level of study (HESLEVEL) in the 2021-22 average FTE population across all providers and not above. For levels of study UG_45 and UG_OTH, records will be matched with the UG average population from 2021-22.

64. The 2021-22 average FTE population is defined as follows:

2021-22 TYPEYR ≠ 1 and

2021-22 LEARNSTARTDATE < 1 August 2021 and

2021-22 HESEXCL = 0 and

2021-22 HESCOMP ≠ 3 and

2021-22 HESMODE = PT.

HESAVRGFTE

65. This field gives the average STULOAD for the population identified in HESAVRGFTETYPE. This field is only completed for students on non-standard years of instance (TYPEYR ≠ 1).

Example

66. A provider only has 46 students in the 2022-23 average FTE population.

2022-23 UKPRN	2022-23 OFSQAIM	2022-23 HESMODE	2022-23 HESCRSELGTH	TOTAL
10000000	FIRST	PT	1	25
10000000	FIRST	PT	2	9
10000000	FIRST	PT	3	12

67. For a student at this provider with OFSQAIM = FIRST, HESMODE = PT and HESCRSELGTH = 1, HESAVRGFTETYPE would be 1 as there are more than 10 students in the average FTE population that match on OFSQAIM, HESMODE and HESCRSELGTH.

68. For a student at this provider with OFSQAIM = FIRST, HESMODE = PT and HESCRSELGTH = 2, HESAVRGFTETYPE would be 2 as there are fewer than 10 students in the 2022-23 average FTE population that match on OFSQAIM, HESMODE and HESCRSELGTH, but there are at least 10 (46) that match on OFSQAIM alone.

HESESFTE

69. This field contains the FTE we assume for the year of instance. HESESFTE is capped at 100. HESESFTE will be set to 0 if HESFTE_CASE is blank.

Value	Definition
100	HESMODE = FTS
50	HESMODE = SWOUT
30	OFSQAIM = FDBC
STULOAD	HESFTE_CASE = 0 and not above
HESAVRGFTE	HESFTE_CASE = 1 and not above
STULOAD	HESFTE_CASE = 2 and not above
Provider specific override	HESFTE_CASE = 3a
Provider specific override	HESFTE_CASE = 3b

Calculation of price groups

FDTEACH

70. This field identifies students on foundation degrees for teaching assistants awarded as an additional student number bid, or otherwise agreed by the Higher Education Funding Council for England (HEFCE) prior to 2018 or the OfS.

Value	Description	Definition
1	Foundation degree teaching assistant	Provider specific algorithm
0	Otherwise	Otherwise

TTCID

71. This field indicates whether the student is on a course that leads to a teacher qualification.

72. For a full definition of this field please refer to '2022-23 ILR data checking tool: Classifying learning aims technical document' (http://www.officeforstudents.org.uk/data-and-analysis/data-checking-tool/2022-23-ilr-data-checking-tool/).

HESHEALTHPROF

73. This field identifies which pre-registration nursing, midwifery or allied health profession the student is recorded against.

Value	Description	Definition
DENHYG	Dental hygiene	Provider specific algorithm
DENTHE	Dental therapy	Provider specific algorithm
DIETET	Dietetics	Provider specific algorithm
MIDWIF	Midwifery	Provider specific algorithm
NURSAD	Nursing – adult	Provider specific algorithm
NURSCH	Nursing – children	Provider specific algorithm
NURSLD	Nursing – learning disability	Provider specific algorithm
NURSMH	Nursing – mental health	Provider specific algorithm
NURSUN	Nursing – unclassified	Provider specific algorithm
OCCTHE	Occupational therapy	Provider specific algorithm
OPDEPT	Operating department practice	Provider specific algorithm

Value	Description	Definition
ORTHOP	Orthoptics	Provider specific algorithm
ORTPRO	Orthotics and prosthetics	Provider specific algorithm
PHYSIO	Physiotherapy	Provider specific algorithm
PODCHI	Podiatry	Provider specific algorithm
RADDIA	Radiography (diagnostic)	Provider specific algorithm
RADTHE	Radiography (therapeutic)	Provider specific algorithm
SPELAN	Speech and language therapy	Provider specific algorithm
BLANK	Not a nursing, midwifery or allied health profession	Otherwise

PRGA, PRGB, PRGC11, PRGC12, PRGC2 and PRGD

74. Price groups are generally assigned by mapping the three LearnDirect Classification System (LDCS) fields, LDCS_CO1 - LDCS_CO3, to price groups as indicated in the table below.

Field name	Definition	Value
PRGC2	FDTEACH = 1 or TTCID = 1, 2, 5, Q or HESMODE = SWOUT	1
PRGA	HESHEALTHPROF = DENHYG, DENTHE and not above	1
PRGB	HESHEALTHPROF = DIETET, MIDWIF, OCCTHE, OPDEPT, ORTHOP, ORTPRO, PHYSIO, PODCHI, RADDIA, RADTHE, SPELAN and not above	1
PRGC11	HESHEALTHPROF = NURSAD, NURSCH, NURSLD, NURSMH, NURSUN and not above	1

PRGB	LDCS_CO1/2/3 = LJ, NH.2
	    PB, PC.1, PC.5, PE *(except PE.8)*, PF.1, PF.2, PF.4, PG, QA.3, QC, QH.6,
	    R *(except RA.3, RA.5, RA.6, RB, RF.4, RF.6, RF.7, RG)*,
	    S *(except SE, SJ.5, SM, SN.3, SN.6, SP, SQ)*,
	    TK, TL, TM, VE, VF.3, VF.4, VG, WA, WB, WC, WD, WE, WG,
	    X (except XA.13, XA.32, XN, XS),
	    Y and not above
		(PCFLDCS + PCSLDCS + PCTLDCS) / 100

PRGC11	LDCS_CO1/2/3 = BF, C *(except CD, CE)*, DC and not above	(PCFLDCS + PCSLDCS + PCTLDCS) / 100

PRGC12	LDCS_CO1/2/3 = CD, CE,
	    J *(except JA.22, JA.23, JA.32, JA.33, JA.34, JA.5, JA.7, JA.8, JE)*,
	    K *(except KB, KC)*,
	    L *(except LF.3, LJ, LK.3 (but including LK.31))*,
	    SE (except SE.9),
	    VF.1, VF.2, VF.5, VF.6,
	    W *(except WA, WB, WC, WD, WE, WG, WM)*
	    and not above
		(PCFLDCS + PCSLDCS + PCTLDCS) / 100

Field name	Definition	Value
PRGC2	LDCS_CO1/2/3 = FC.24, FC.6 *(except FC.62, FC.65, FC.67)*, FJ.4, FM.4 *(except FM.412)*, FM.5, FM.7, FM.9 *(except FM.913)*, FN.1, FN.3 *(except FN.32, FN.35)*, FN.4, FN.5, FN.7, FN.8, FN.9, HK, HL, M, N *(except NG, NH.2, NK, NL.1, NL.2, NN)*, P *(except, PB, PC.1, PC.5, PE (but including PE.8), PF.1, PF.2, PF.4, PG, PR)*, Q *(except QA.3, QB, QC, QH, QJ)*, RA.3, RA.5, RB, RF.4, RF.6, RF.7, RG, SE.9, SN.3, SN.6, SQ, T *(except TC.44, TC.5, TC.6, TK, TL, TM)*, WM, XA.13, XA.32, XN, XS, Z *(except ZX.3, ZX.4, ZX.5)* and not above	(PCFLDCS + PCSLDCS + PCTLDCS) / 100
PRGD	LDCS_CO1/2/3 = A, B *(except BF)*, D *(except DC)*, E, F *(except FC.24, FC.6 (but including FC.62, FC.65, FC.67), FJ.4, FM.4 (but including FM.913), FN.1, FN.3 (but including FN.32, FN.35), FN.4, FN.5, FN.7, FN.8, FN.9)*, G, H *(except HK, HL)*, JA.22, JA.23, JA.32, JA.33, JA.34, JA.5, JA.7, JA.8, JE, KB, KC, LF.3, LK.3 *(except LK.31)*, NG, NK, NL.1, NL.2, NN, PR, QB, QH *(except QH.6)*, QJ, RA.6 SJ.5, SM, SP, TC.44, TC.5, TC.6, U, V *(except VE, VF.1, VF.2, VF.3, VF.4, VF.5, VF.6, VG)*, ZX.3, ZX.4, ZX.5 and not above	(PCFLDCS + PCSLDCS + PCTLDCS) / 100

75. In some cases, the sum of PRGA, PRGB, PRGC11, PRGC12, PRGC2 and PRGD may not equal one. In these cases, we scale them so that their sum is one.

Exclusions

EXCL1

76. This field indicates students excluded due to non-activity in the academic year.

Value	Description	Definition
1	Not active in academic year	LEARNACTENDDATE ≠ BLANK and LEARNACTENDDATE < 1 August 2022
0	Otherwise	Otherwise

EXCL2

77. This field indicates students excluded because they are studying for a non-recognised higher education aim.

Value	Description	Definition
1	Non-recognised higher education aim	OFSFUNDAIM = 0
0	Otherwise	Otherwise

EXCL4

78. This field indicates students explicitly excluded by the provider as 'Not in HESES population'.

Value	Description	Definition
1	Student explicitly excluded from the HESES student population	FUNDCOMP = 9, BLANK or FUNDLEV = 99, BLANK or MODESTUD = 99, BLANK
0	Otherwise	Otherwise

EXCL8

79. This field indicates students with an FTE of less than 0.03.

Value	Description	Definition
1	Student with an FTE of less than 0.03	STULOAD = 0, BLANK or HESESFTE < 3
0	Otherwise	Otherwise

EXCL16

80. This field indicates students on non-standard years of instance in their final academic year.

Value	Description	Definition
1	Student on non-standard years in final academic year	TYPEYR ≠ 1 and LEARNACTENDDATE ≠ BLANK and LEARNACTENDDATE < ANNIV + 14
0	Otherwise	Otherwise

EXCL32

81. This field indicates whether a student was excluded because they withdrew before 2 November 2022 or left within 14 days of starting the instance without completing.

Value	Description	Definition
1	Student who withdrew before 2 November 2022 or left within 14 days of starting the instance without completing	COMPSTATUS ≠ 2, 6 and LEARNACTENDDATE ≠ BLANK and (LEARNACTENDDATE < 2 November 2022 or LEARNACTENDDATE – LEARNSTARTDATE < 14)
0	Otherwise	Otherwise

EXCL64

82. This field indicates where the student has an FTE of at least 3 per cent but does not have any price group information.

Value	Description	Definition
1	No price group information and FTE of at least 0.03	HESESFTE ≥ 3 and STULOAD ≠ BLANK and

Value	Description	Definition
		(PRGA + PRGB + PRGC11 + PRGC12 + PRGC2 + PRGD = 0)
0	Otherwise	Otherwise

HESEXCL

83. This field indicates whether the student will be included in the HESES recreation. For students excluded from the recreation, HESEXCL contains the sum of all applicable values from the table below. Students included in the recreation have HESEXCL = 0.

Value	Description	Definition
1	Student not active in academic year	EXCL1 = 1
2	Non-recognised higher education aim	EXCL2 = 1
4	Student explicitly excluded from the HESES student population	EXCL4 = 1
8	Student with an FTE of less than 0.03	EXCL8 = 1
16	Student on non-standard year of instance in final academic year	EXCL16 = 1
32	Student who withdrew before 2 November 2022 or left within 14 days of starting the instance without completing	EXCL32 = 1
64	No price group information and FTE of at least 0.03	EXCL64 = 1
0	Otherwise	None of the above

84. This field contains the exclusion reason(s) for the student. It is calculated as (1 × EXCL1) + (2 × EXCL2) + … + (64 × EXCL64). The reason(s) which contribute to the exclusion of a student can therefore be calculated. For example, if HESEXCL = 13, by subtracting figures from the above table starting at the bottom, we see that the student has an FTE of less than 0.03 (EXCL8 = 1), is explicitly excluded from the HESES student population (EXCL4 = 1) and is not active in the academic year (EXCL1 = 1).

Table 4 recreation algorithms

HESYATYPE

85. This field identifies an outgoing Erasmus+ or Turing years abroad.

Value	Description	Definition
ERASMUS	Outgoing Erasmus+ or Turing year abroad	SPECFEE = 3
OTHER	Otherwise	Otherwise

HESYAPOP

86. This field indicates if the year of instance is included in the count of years abroad included in Table 4.

Value	Description	Definition
1	Student on year abroad	HESEXCL = 0 and HESLEVEL = UG_45, UG_OTH and

Value	Description	Definition
		HESMODE = FTS, SWOUT and HESTYPE ≠ ISOV and SPECFEE = 2, 3
0	Otherwise	Otherwise

Table 5 recreation algorithms

HESEC

87. This field indicates whether a student has a UK, Crown Dependencies, Ireland, EU, or other domicile.

Value	Description	Definition
UK	UK-domiciled	DOMICILE = XF, XG, XH, XI, XK
CROWN	Crown Dependencies-domiciled	DOMICILE = GG, IM, JE, XL
IE	Domiciled in Ireland	DOMICILE = IE
OEU	EU-domiciled	DOMICILE = AI, AN, AT, AW, AX, BE, BG, BL, BM, BQ, CH, CW, CZ, DE, DK, EE, ES, EU, FI, FK, FO, FR, GF, GI, GL, GP, GR, GS, HR, HU, IC, IS, IT, KY, LI, LT, LU, LV, MF, MQ, MS, MT, NC, NL, NO, PF, PL, PM, PN, PT, RE, RO, SE, SH, SI, SK, SX, TC, VG, WF, XA, YT
OTHER	Otherwise	Otherwise

HESBROADLEVEL

88. This field shows the broad level of study for the purpose of defining new entrant status.

Value	Description	Definition
UG	Undergraduate	HESLEVEL = UG_45, UG_OTH
PGT	Postgraduate taught	HESLEVEL = PGT_UGF, PGT_ML, PGT_OTH
PGR	Postgraduate research	HESLEVEL = PGR
BLANK	Otherwise	Otherwise

HESUGPYR

89. This field shows the number of years of instance associated with the UKPRN and LEARNREFNUMBER in the 2021-22 ILR, where the value of OFSQAIM in 2021-22 indicates an undergraduate level course, and the learning aim would have been fundable according to the definition of recognised higher education for OfS funding purposes used in HESES22[2] (i.e. the value of OFSFUNDAIM would have been 1). If no 2021-22 ILR data is available for the provider, this field will be blank.

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[2] Paragraphs 1-2 of Annex B of 'HESES22 - Higher Education Students Early Statistics Survey 2022-23' (www.officeforstudents.org.uk/publications/heses22/).

90. The values of OFSQAIM classed as undergraduate level for the purposes of this field are: FIRST, ENHANCED, DIPHE, CERTED, FOUDEG, FDBC, HIGHCERT, CTLLS, DTLLS, PTLLS, CET, DET, UNICERT, HNC, HND, OTHL4_Q, OTHL4_CC, OTHL4_U, OTHL5_Q, OTHL5_CC, OTHL5_U, OTHL6_Q, OTHL6_CC, OTHL6_U, OTHHE_Q, OTHHE_CC, OTHHE_U.

HESUGPYR2

91. This field shows the number of years of instance associated with the UKPRN and LEARNREFNUMBER in the 2020-21 ILR, where the value of OFSQAIM in 2020-21 indicates an undergraduate level course, and the learning aim would have been fundable according to the definition of recognised higher education for OfS funding purposes used in HESES22[3] (i.e. the value of OFSFUNDAIM would have been 1). If no 2020-21 ILR data is available for the provider, this field will be blank.

HESPGTPYR

92. This field shows the number of years of instance associated with the UKPRN and LEARNREFNUMBER in the 2021-22 ILR, where the value of OFSQAIM in 2021-22 indicates a postgraduate level course, and the learning aim would have been fundable according to the definition of recognised higher education for OfS funding purposes used in HESES22[4] (i.e. the value of OFSFUNDAIM would have been 1). If no 2021-22 ILR data is available for the provider, this field will be blank.

93. The values of OFSQAIM classed as postgraduate level for the purposes of this field are: PGCE, MASTER, HIGHER, PGCERT, PGDIP, OTHL7_Q, OTHL7_CC, OTHL7_U, OTHL8_Q, OTHL8_CC, OTHL8_U.

94. The values of OFSQAIM classed as undergraduate level for the purposes of this field are the same as those for the HESUGPYR field, as listed in paragraph 69.

HESPGTPYR2

95. This field shows the number of years of instance associated with the UKPRN and LEARNREFNUMBER in the 2020-21 ILR, where the value of OFSQAIM in 2020-21 indicates a postgraduate level course, and the learning aim would have been fundable according to the definition of recognised higher education for OfS funding purposes used in HESES22[5] (i.e. the value of OFSFUNDAIM would have been 1). If no 2020-21 ILR data is available for the provider, this field will be blank.

96. The values of OFSQAIM classed as postgraduate level for the purposes of this field are the same as those for the HESPGTPYR field, as listed in paragraph 71.

HESNEWENTRANT

97. This field indicates whether a student is a new entrant. Where a student starts more than one countable year of instance at the same broad level in the same academic year and could be

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[3] See footnote 2.

[4] See footnote 2.

[5] See footnote 2.

considered as a new entrant for each countable year, they will be recorded as a new entrant for only one. If one such countable year has an earlier start date than the others the student will be recorded as a new entrant for that countable year.

Value	Description	Definition

1	Student first generates a countable year of instance for a higher education course recognised for OfS funding purposes and has not been active at the same broad level at the registered provider in either of the two previous academic years	LEARNSTARTDATE > 31 July 2022 and HESEXCL = 0 and
		  ((HESBROADLEVEL = UG and
		     HESUGPYR = 0, BLANK and
		     HESUGPYR2 = 0, BLANK) or
		(HESBROADLEVEL = PGT and
		     HESPGTPYR = 0, BLANK and
		     HESPGTPYR2 = 0, BLANK))

0	Otherwise	Otherwise

Tables 6a and 6c recreation algorithms

HESHEALTHYEAR

98. This field identifies the academic year in which the student started their course for the purpose of Tables 6a and 6c.

Value	Description	Definition
2022-23	Student started in 2022-23 academic year	LEARNSTARTDATE > 31 July 2022 and LEARNSTARTDATE < 1 August 2023
OTHER	Otherwise	Otherwise

HESHEALTHPOP

99. This field indicates if the year of instance is included in the population of Tables 6a and 6c for pre-registration nursing, midwifery and allied health professions.

Value	Description	Definition
1	Year of instance included in Tables 6a and 6c	HESEXCL = 0 and HESLEVEL = UG_45, UG_OTH, PGT_UGF, PGT_ML and HESTYPE = HOMEF, HOMENF and HESHEALTHPROF ≠ BLANK
0	Otherwise	Otherwise

Table 7 recreation algorithms

HESAPPL6

100. This field indicates if the student is on a Level 6 Apprenticeship

Value	Description	Definition
1	Level 6 Apprenticeship	NOTIONALENDLEVEL = 6 or PROGTYPE = 22
0	Otherwise	Otherwise

HESAPPPOP

101.   This field identifies students that will be included in Table 7. The population is defined in the HESES22 guidance (Annex C, paragraphs 16-17).

Value	Description	Definition
1	Included in Table 7	HESEXCL = 0 and HESAPPRENTICE = 1 and HESMODE ≠ SWOUT and HESTYPE ≠ ISOV and OFSQAIM = FIRST and HESLEVEL = UG_45, UG_OTH and HESAPPL6 = 1
0	Otherwise	Otherwise

HESAPPSTARTER

102.   This field indicates if the student is part of the Table 7 population and classed as a starter.

Value	Description	Definition
1	Starter in the Table 7 population	HESAPPPOP = 1 and LEARNSTARTDATE ≥ 1 August 2022 and LEARNSTARTDATE < 1 August 2023 and (ORIGLEARNSTARTDATE = BLANK or ORIGLEARNSTARTDATE ≥ 1 August 2022)
0	Otherwise	Otherwise

Recreating Columns 3, 4 and 4a

HESNCOMPLEVEL_Y

103.   These fields identify the level at which HESNCOMPRATE_Y (where Y is each price group) is calculated for the year of instance. For the purpose of this calculation, 'Undergraduate course at Level 4 or 5' and 'Other undergraduate course' are joined to form one undergraduate level. This is so years of instance included in Tables 6a and 6c can be treated correctly.

Value	Description	Definition
BLANK	There is no activity in the price group for this year in the 2022-23 ILR data.	PRGY = 0 or HESLEVEL = BLANK
BLANK	There is activity in the price group for this year in the 2022-23 ILR data, but the year of instance is included in Tables 6a and 6c of the HESES22 recreation.	PRGY > 0 and HESHEALTHPOP = 1
1	More than 9 years of instance in Columns 1 and 2 of Tables 1, 2 and 3 (excluding those also included in Tables 6a and 6c) in HESES22 for this provider with the same mode, level, residential and fundability status, price group and length, and not above.	PRGY > 0 and HESHEALTHPOP = 0
2	More than 9 years of instance in Columns 1 and 2 of Tables 1, 2 and 3 (excluding those also included in Tables 6a and 6c) in HESES22 for this provider with the same mode, level,	PRGY > 0 and HESHEALTHPOP = 0

Value	Description	Definition
	residential and fundability status, and price group, and not above.	
3	More than 9 years of instance in Columns 1 and 2 of Tables 1, 2 and 3 (excluding those also included in Tables 6a and 6c) in HESES22 for this provider with the same mode and level, and not above.	PRGY > 0 and HESHEALTHPOP = 0
4	More than 9 years of instance in Columns 1 and 2 of Tables 1, 2 and 3 (excluding those also included in Tables 6a and 6c) in HESES22 for this provider with the same mode, and not above.	PRGY > 0 and HESHEALTHPOP = 0
5	Otherwise	PRGY > 0 and HESHEALTHPOP = 0

HESNCOMPRATE_Y

104.   These fields show an estimate of the likelihood that the activity in each price group (Y = A, B, C11, C12, C2, D) was not completed. Each estimate is based on a non-completion rate taken from HESES22 at the appropriate level as identified in HESNCOMPLEVEL_Y. This rate is calculated as follows: (-1 × Column 3) ÷ (Column 1 + Column 2). For the purpose of this calculation, 'Undergraduate course at Level 4 or 5' and 'Other undergraduate course' are joined to form one undergraduate level. This is so years of instance included in Tables 6a and 6c can be treated correctly.

Value	Definition
BLANK	HESNCOMPLEVEL_Y = BLANK
Calculated from years of instance in Tables 1, 2 and 3 (excluding those also included in Tables 6a and 6c) of HESES22 for this provider with the same mode, level, residential and fundability status, price group and length.	HESNCOMPLEVEL_Y = 1
Calculated from years of instance in Tables 1, 2 and 3 (excluding those also included in Tables 6a and 6c) of HESES22 for this provider with the same mode, level, residential and fundability status, and price group.	HESNCOMPLEVEL_Y = 2
Calculated from years of instance in Tables 1, 2 and 3 (excluding those also included in Tables 6a and 6c) of HESES22 for this provider with the same mode and level.	HESNCOMPLEVEL_Y = 3
Calculated from years of instance in Tables 1, 2 and 3 (excluding those also included in Tables 6a and 6c) of HESES22 for this provider with the same mode.	HESNCOMPLEVEL_Y = 4
Calculated from years of instance in Tables 1, 2 and 3 (excluding those also included in Tables 6a and 6c) of HESES22 for this provider.	HESNCOMPLEVEL_Y = 5

HESNCOMPLEVEL_PROF

105.   This field identifies the level at which HESNCOMPRATE_PROF is calculated for the year of instance.

Value	Description	Definition
BLANK	The year of instance is not included in Tables 6a and 6c of the HESES22 recreation.	HESHEALTHPOP = 0
1	More than 9 years of instance in Columns 1 and 2 of Tables 6a and 6c in HESES22 for this provider with the same mode, profession, residential and fundability status, and level.	HESHEALTHPOP = 1
2	More than 9 years of instance in Columns 1 and 2 of Tables 6a and 6c in HESES22 for this provider with the same mode, profession, and residential and fundability status, and not above.	HESHEALTHPOP = 1
3	More than 9 years of instance in Columns 1 and 2 of Tables 6a and 6c in HESES22 for this provider with the same mode and profession, and not above.	HESHEALTHPOP = 1
4	More than 9 years of instance in Columns 1 and 2 of Tables 6a and 6c in HESES22 for this provider with the same mode, and not above.	HESHEALTHPOP = 1
5	Otherwise	HESHEALTHPOP = 1

HESNCOMPRATE_PROF

106. This field shows an estimate of the likelihood that the activity in the health profession (as indicated by HESHEALTHPROF) was not completed. The estimate is based on a non-completion rate taken from HESES22 at the appropriate level as identified in HESNCOMPLEVEL_PROF. This rate is calculated as follows: (-1 × Column 3) ÷ (Column 1 + Column 2).

Value	Definition
BLANK	HESNCOMPLEVEL_PROF = BLANK
Calculated from years of instance in Tables 6a and 6c of HESES22 for this provider with the same mode, profession, residential and fundability status, and level.	HESNCOMPLEVEL_PROF = 1
Calculated from years of instance in Tables 6a and 6c of HESES22 for this provider with the same mode, profession, and residential and fundability status.	HESNCOMPLEVEL_PROF = 2
Calculated from years of instance in Tables 6a and 6c of HESES22 for this provider with the same mode and profession.	HESNCOMPLEVEL_PROF = 3
Calculated from years of instance in Tables 6a and 6c of HESES22 for this provider with the same mode.	HESNCOMPLEVEL_PROF = 4
Calculated from years of instance in Tables 6a and 6c of HESES22 for this provider.	HESNCOMPLEVEL_PROF = 5

HESCOL3_Y

107. These fields show the contribution of the activity in each price group (Y = A, B, C11, C12, C2, D) to Column 3 of Tables 1-3 and 7 of the HESES22 recreation. For years of instance

included in Tables 6a and 6c, they also show the contribution of the activity in the price group for the profession to Column 3 of Tables 6a and 6c of the HESES22 recreation.

Value	Description	Definition
0	There is no activity in the price group for this instance.	PRGY = 0
PRGY × HESNCOMPRATE_Y	The contribution of the activity in the price group to Column 3 of Tables 1-3 and 7 of the HESES22 recreation, where the year of instance is not included in Tables 6a and 6c of the HESES22 recreation.	PRGY > 0 and HESHEALTHPOP = 0
HESNCOMPRATE_PROF	The contribution of the activity in the price group for the profession to Column 3 of Tables 1, 3, 6a, 6c and 7 of the HESES22 recreation, where the year of instance is included in Tables 6a and 6c of the HESES22 recreation.	PRGY > 0 and HESHEALTHPOP = 1

HESCOL3

108. This field shows the contribution of the year of instance to Column 3 of Tables 1-3 and 7 of the HESES22 re-creation. It is the sum of HESCOL3_A, HESCOL3_B, HESCOL3_C11, HESCOL3_C12, HESCOL3_C2 and HESCOL3_D.

HESCOL4_Y

109. These fields show the contribution of the activity in each price group (Y = A, B, C11, C12, C2, D) to Column 4 of Tables 1-3 and 7 of the HESES22 recreation. For years of instance included in Tables 6a and 6c, they also show the contribution of the activity in the price group for the profession to Column 4 of Tables 6a and 6c of the HESES22 recreation.

Value	Description	Definition
0	There is no activity in the price group for this instance.	PRGY = 0
PRGY × (1 – HESNCOMPRATE_Y)	The contribution of the activity in the price group to Column 4 of Tables 1-3 and 7 of the HESES22 recreation, where the year of instance is not included in Tables 6a and 6c of the HESES22 recreation.	PRGY > 0 and HESHEALTHPOP = 0
1 – HESNCOMPRATE_PROF	The contribution of the activity in the price group for the profession to Column 4 of Tables 1, 3, 6a, 6c and 7 of the HESES22 recreation, where the year of instance is included in Tables 6a and 6c of the HESES22 recreation.	PRGY > 0 and HESHEALTHPOP = 1

HESCOL4

110. This field shows the contribution of the year of instance to Column 4 of Tables 1-3 and 7 of the HESES22 re-creation. It is the sum of HESCOL4_A, HESCOL4_B, HESCOL4_C11, HESCOL4_C12, HESCOL4_C2 and HESCOL4_D.

FTEA, FTEB, FTEC11, FTEC12, FTEC2 and FTED

111. These fields contain the estimated FTE the activity assigned to each price group is contained in the six FTE fields as shown in the table below. These fields are calculated by multiplying the contribution of the activity in the price group to Column 4 of Tables 1 to 3 of the HESES22 recreation (HESCOL4_A, HESCOL4_B, HESCOL4_C11, HESCOL4_C12, HESCOL4_C2, HESCOL4_D).

Field name	Value
FTEA	HESCOL4_A x HESESFTE
FTEB	HESCOL4_B x HESESFTE
FTEC11	HESCOL4_C11 x HESESFTE
FTEC12	HESCOL4_C12 x HESESFTE
FTEC2	HESCOL4_C2 x HESESFTE
FTED	HESCOL4_D x HESESFTE

HESCOL4A

112. This field is the recreated HESES22 FTE for the year of instance. For part-time years of instance, this is used to populate Column 4a of Tables 3 and 7. It is calculated by multiplying the contribution of the year of instance to Column 4 of Tables 1-3 and 7 of the HESES22 recreation (HESCOL4) by HESESFTE, and then dividing by 100.