2019-20 ILR post-collection outputs

HESES19 comparison technical document

Contents

Summary

1. This document describes the Higher Education Students Early Statistics Survey 2019-20 (HESES19) comparison files supplied as part of the 2019-20 Individualised Learner Record (ILR) post-collection outputs and the algorithms used to generate the data needed to recreate HESES19 from 2019-20 ILR data. Throughout the document, fields taken or derived from the ILR record are shown in capitals.

2. The HESES19 comparison outputs should be used by staff responsible for individualised data returns at higher education providers. This document is intended to help them understand in detail how the 2019-20 ILR R14 data compares with the in-year HESES19 data, and to highlight significant differences between the two.

3. The HESES19 comparison is formed of two files. These are:

   a. HESES19 comparison workbook 'HES19_XXXXXXXX.xlsx' (where XXXXXXXX is the UK Provider Reference Number (UKPRN) for the provider). This is supplied for the reconciliation exercise.

   b. HESES19 comparison individualised file 'HES19_XXXXXXXX_IND.csv'. This is supplied for the reconciliation exercise and funding data summaries and may also be useful in interpreting the use of 2019-20 ILR data in the calculation of student premium allocations.

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

4. These files can be accessed from the '2019-20 Post-collection outputs' 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 2019 to 2020' (available from the Education and Skills Funding Agency via https://www.gov.uk/government/publications/ilr-specification-validation-rules-and-appendices-2019-to-2020), 'HESES19 - Higher Education Students Early Statistics survey 2019-20' (https://www.officeforstudents.org.uk/publications/heses19/) and the latest individualised files for the HEIFES18 comparison and the HEIFES17 comparison to hand when using this document.

Changes due to the coronavirus (COVID-19) pandemic

6. As stated in the exceptional guidance published by the OfS in response to the pandemic (www.officeforstudents.org.uk/data-and-analysis/supplying-data/), we have decided not to use the FUNDCOMP field from the 2019-20 ILR, other than to identify records which are excluded from the HESES population (FUNDCOMP = 9). Consequently, it is necessary to use a different method to assign students to Column 3 or Column 4 of Tables 1, 2 and 3 of the HESES19 recreation, instead of the normal method which uses FUNDCOMP. For this purpose, the following fields have been added:

HESNCOMPLEVEL_Y, HESNCOMPRATE_Y
HESENCOMPLEVEL_Z, HESNCOMPRATE_Z
HESCOL3_PROF, HESCOL3_Y, HESCOL3
HESCOL4_PROF, HESCOL4_Y, HESCOL4
HESCOL4A.

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

Recreating Columns 3 and 4 using HESES19 non-completion rates

7. For the HESES19 comparison, we are using non-completion rates calculated from HESES19 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 HESES19 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.

8. Headcounts from Columns 1, 2 and 3 of Tables 1, 2 and 3 of HESES19 were 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 and 3 but not in Tables 6a, 6b and 6c. Headcounts from Columns 1, 2 and 3 of Tables 6a, 6b 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, 6b and 6c were calculated separately using a different method (see paragraph 10). 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 HESES19 (minus those also recorded in Tables 6a, 6b and 6c) for each provider. The combination of parameters used for each level are shown below:

   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).

9. 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.

10. Headcounts from Columns 1, 2 and 3 of Tables 6a, 6b and 6c of HESES19 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, 6b 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, 6b and 6c of HESES19 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).

11. 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.

12. 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 8 or paragraph 10, depending on whether the year of instance is only recorded in Tables 1 to 3, or whether it is also recorded in Tables 6a-c. 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 HESES19), 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.

13. 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-c) to be calculated using five different non-completion rates if there is activity in each of the five price groups.

14. 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

C1, and the non-completion rates are 15 per cent for the price group B activity and 20 per cent for the price group C1 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

15. By applying the method described above, every year of instance in the HESES19 population contributes to both Column 3 and Column 4 of Table 1, 2 or 3 of the HESES19 recreation. Consequently, every part-time year of instance also contributes to the FTE in Column 4a. For the 2018-19 post-collection outputs, 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 2019-20 post-collection outputs, 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.

Changes from the 2019-20 ILR data checking tool

16. This section describes any changes to the outputs and algorithms since the equivalent was published for the 2019-20 ILR data checking tool (available at: https://www.officeforstudents.org.uk/data-and-analysis/data-checking-tools/2019-20-ilr-data-checking-tool/ under 'Documentation').

HESAVRGFTE

17. For students on non-standard years of instance where HESAVRGFTETYPE = 4, HESAVRGFTE is calculated using 2018-19 ILR data. Previously the calculation of HESAVRGFTE for such students included ILR data from providers not in the Approved (fee cap) category of the OfS Register; we have now restricted this to only include data from providers in the Approved (fee cap) category.

HESES19 comparison workbook

18. The HESES19 comparison workbook is the Excel workbook HES19_XXXXXXXX.xlsx which contains the following worksheets:

Table 1: Worksheets in the HESES19 comparison workbook

Worksheet*	Title
Information	Workbook information
Key differences	Key differences between HESES19 and HESES19 recreated using 2019-20 ILR data
Rebuild information	Comparison of HESES19 data and the recreated HESES19 data with rebuild instructions

Worksheet*	Title
Courses	HESES19 recreation Courses table: Countable years of instance between 1 August 2019 and census date at course level
1 Full-time	HESES19 recreation Table 1: Full-time counts of years of instance
2 Sandwich	HESES19 recreation Table 2: Sandwich year out counts of years of instance
3 Part-time	HESES19 recreation Table 3: Part-time counts of years of instance and FTE
4 Year abroad	HESES19 recreation Table 4: Home and EU undergraduate years abroad
5 Planning	HESES19 recreation Table 5: Further student breakdowns for planning purposes
6a Health full-time	HESES19 recreation Table 6a: Full-time counts of years of instance on pre-registration health courses
6b Health sandwich	HESES19 recreation Table 6b: Sandwich year out counts of years of instance on pre-registration health courses
6c Health part-time	HESES19 recreation Table 6c: Part-time counts of years of instance on pre-registration health courses
hCourses	HESES19 Courses table: Countable years of instance between 1 August 2019 and census date at course level
h1 Full-time	HESES19 Table 1: Full-time counts of years of instance
h2 Sandwich	HESES19 Table 2: Sandwich year out counts of years of instance
h3 Part-time	HESES19 Table 3: Part-time counts of years of instance and full-time equivalence (FTE)
h4 Year abroad	HESES19 Table 4: Home and EU undergraduate years abroad
h5 Planning	HESES19 Table 5: Further student breakdowns for planning purposes
h6a Health full-time	HESES19 Table 6a: Full-time counts of years of instance on pre-registration health courses
h6b Health sandwich	HESES19 Table 6b: Sandwich year out counts of years of instance on pre-registration health courses
h6c Health part-time	HESES19 Table 6c: Part-time counts of years of instance on pre-registration health courses
Courses diff	Difference between HESES19 and HESES19 recreation Courses table: Countable years of instance between 1 August 2019 and census date at course level
1 Full-time diff	Difference between HESES19 and HESES19 recreation Table 1: Full-time counts of years of instance
2 Sandwich diff	Difference between HESES19 and HESES19 recreation Table 2: Sandwich year out counts of years of instance
3 Part-time diff	Difference between HESES19 and HESES19 recreation Table 3: Part-time counts of years of instance and FTE
4 Year abroad diff	Difference between HESES19 and HESES19 recreation Table 4: Home and EU undergraduate years abroad
5 Planning diff	Difference between HESES19 and HESES19 recreation Table 5: Further student breakdowns for planning purposes

Worksheet*	Title
6a Health full-time diff	Difference between HESES19 and HESES19 recreation Table 6a: Full-time counts of years of instance on pre-registration health courses
6b Health sandwich diff	Difference between HESES19 and HESES19 recreation Table 6b: Sandwich year out counts of years of instance on pre-registration health courses
6c Health part-time diff	Difference between HESES19 and HESES19 recreation Table 6c: Part-time counts of years of instance on pre-registration health courses
A Summary	2020-21 Grant tables Table A: 2020-21 Summary of allocations
B High-cost	2020-21 Grant tables Table B: 2020-21 High-cost subject funding
C NMAH supplement	2020-21 Grant tables Table C: 2020-21 Nursing, midwifery and allied health supplement
D Erasmus+	2020-21 Grant tables Table D: 2020-21 Erasmus+ and overseas study programmes
E Other high-cost TAs	2020-21 Grant tables Table E: 2020-21 Other high-cost targeted allocations
F Student access and success	2020-21 Grant tables Table F: 2020-21 Student access and success
G Parameters	2020-21 Grant tables Table G: 2020-21 Parameters in the funding models

* Shading corresponds to the colour of the workbook tab.

19. The difference sheets (see worksheets ending in 'diff' in Table 1) will indicate where differences between the HESES19 recreation tables and HESES19 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 HESES19 data and the HESES19 recreation data.

20. Providers are strongly encouraged to use the 'Rebuild information' in the HES19 _XXXXXXXX.xlsx workbook which may highlight data quality issues relating to the ILR fields used in the HESES19 recreation algorithms.

HESES19 comparison individualised file

21. When working through this technical document it is necessary to use the individualised file, HES19_XXXXXXXX_IND.csv. The individualised file contains the values of all derived fields described in this document for every record in the 2019-20 ILR data.

22. You should use the individualised file, HES19_XXXXXXXX_IND.csv, when working through this document. This shows the assignment of records to categories by our algorithms and, where relevant, provides the data that has been used to determine their exclusion from the relevant population.

23. The HESES19 comparison rebuild document provides instructions for rebuilding key figures in the workbook from the individualised file.

24. ILR fields used to generate the data in the outputs are listed in Table 2.

Table 2: Fields used in the recreation of HESES19

Name	Description	Data source	Column in individualised file
AIMSEQNUMBER	Learning aim data set sequence	ILR	C
DOMICILE	Country of domicile	ILR	AY
COMPSTATUS	Completion status	ILR	AX
FUNDCOMP	Completion of year of programme of study	ILR	BN
FUNDLEV	Level applicable to HESES	ILR	BO
LEARNACTENDDATE	Learning actual end date	ILR	BE
LEARNAIMREF	Learning aim reference	ILR	M
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	BH
LEARNREFNUMBER	Learner reference number	ILR	B
LEARNSTARTDATE	Learning start date	ILR	CI
MODESTUD	Mode applicable to HESES	ILR	CJ
NUMHUS	Student instance identifier	ILR	E
PCFLDCS	Proportion taught in LDCS_CO1 subject	ILR	CO
PCSLDCS	Proportion taught in LDCS_CO2 subject	ILR	CP
PCTLDCS	Proportion taught in LDCS_CO3 subject	ILR	CQ
PROGTYPE	Type of programme	ILR	CR
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	CU
STULOAD	Learner FTE	ILR	CV
TYPEYR	Type of programme year	ILR	CX
UKPRN	UK provider reference number	ILR	A
ULN	Unique learner number	ILR	F
AWARDORGNAME	Awarding body	LARS	AV
AWARDORGUKPRN	Awarding body UKPRN	LARS	AW
LDCS_CO1	Learning directory classification system code 1	LARS	CB
LDCS_CO2	Learning directory classification system code 2	LARS	CC
LDCS_CO3	Learning directory classification system code 3	LARS	CD
LEARNINGDELIVERYGENRE	Genre of the learning delivery	LARS	CG
NOTIONALNVQLEVELV2	Level of NVQ	LARS	CK

Name	Description	Data source	Column in individualised file
LEARNAIMREFTYPE	Learning aim type	LARS	CS
REGULATEDCREDITVALUE	Learning aim's credit value within a regulated credit framework	LARS	CT
UNITTYPE	Learning aim's unit type	LARS	CY

† 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 HESES19 are included in the individualised file.

Description of derived fields

25. Fields derived from ILR data are listed in Table 3.

Table 3: HESES19 recreation derived fields

Derived field name	Description	Paragraph	Column in individualised file
ANNIV	Anniversary of start date	28	AU
EXCL1	Student not active in academic year	69	BA
EXCL2	Non-recognised higher education qualification aim	70	BB
EXCL4	Student explicitly excluded from the HESES student population	71	BC
EXCL8	Student with an FTE of less than 0.03	72	BD
EXCL16	Student on non-standard year of programme of study in final academic year	73	BE
EXCL32	Students who withdrew before 2 November 2019 or left within 14 days of starting without completing	74	BF
EXCL64	No price group information and FTE of at least 0.03	75	BG
FDTEACH	Student on foundation degree teaching assistant course	63	AH
FTEA, FTEB, FTEC1, FTEC2 and FTED	Proportion of FTE assigned to price group	68	–BI - BM
HESAPPRENTICE	Student is on an apprenticeship	38	AG
HESAVRGFTE	Average FTE	59	BP
HESAVRGFTEPOP	Whether the student is in the population for the calculation of HESAVRGFTE	56	BQ
HESAVRGFTETYPE	Indicates the hierarchy of students that are used to inform the mean average FTE that is used to calculate HESAVRGFTE	58	BR
HESBROADLEVEL	Broad level of study	41	BS
HESCRSELGTH	Number of years qualification aim expected to last	37	BT
HESEC	Whether student has UK, EU or other domicile	50	BU
HESESFTE	HESES FTE	62	AA
HESEXCL	Reason(s) for exclusion from the HESES population	76	AB

Derived field name	Description	Paragraph	Column in individualised file
HESFTE_CASE	Method used to calculate HESESFTE	61	BV
HESHEALTHPOP	Indicates whether year of instance is included in the count of Tables 6a to 6c	82	AC
HESHEALTHPROF	States the nursing, midwifery or allied health profession that the student is studying towards	39	AD
HESHEALTHYEAR	States the academic year that the student started their studies	81	AE
HESLEVEL	Level of study	40	AF
HESMODE	Mode of study	36	AH
HESNEWENTRANT	Whether the student is a new entrant	80	AI
HESOVER	Primary derived field(s) being overwritten	83	BW
HESPGT17	Number of postgraduate taught years of instance in 2017-18 ILR	48	BX
HESPGT18	Number of postgraduate taught years of instance in 2018-19 ILR	44	BY
HESREG	HESES Column 1 or 2 indicator	55	AJ
HESRESSTAT	Fundability and residential status	53	AK
HESTYPE	Fundability status	52	AL
HESUG17	Number of undergraduate years of instance in 2017-18 ILR	46	BZ
HESUG18	Number of undergraduate years of instance in 2018-19 ILR	42	CA
HESYAPOP	Indicates whether year of instance is included in the count of Table 4: Home and EU undergraduate years abroad	79	AM
HESYATYPE	Type of fee charged to students spending a whole year abroad	78	AN
LEARNDELFAM_SOF1	Source of funding	51	CF
LENGTH	Long or standard year length	54	AO
OFSAWARD	Recognition of awarding body	30	CL
OFSFUNDAIM	Recognition of aim for funding purposes	34	CM
OFSQAIM	Broad category of higher education	32	CN
PRGA, PRGB, PRGC1, PRGC2 and PRGD	Proportion of countable year in price group	66	–AP - AT
PROVSPECDELMON_A, PROVSPECDELMON_B,	Provider-specified learning aim data	27	I - L

Derived field name	Description	Paragraph	Column in individualised file
PROVSPECDELMON_C, PROVSPECDELMON_D			
PROVSPECLEARNMON_A, PROVSPECLEARNMON_B	Provider-specified learner data	26	G - H
STUBID	Unique year of programme of study	29	D
TTCID	Student is on an Initial Teacher Training (ITT) course	64	CW
HESNCOMPLEVEL_Y	Level at which HESNCOMPRATE_Y is calculated for year of instance	84	DB - DF
HESNCOMPRATE_Y	Estimate of likelihood that activity in price group was not completed	85	DG - DK
HESNCOMPLEVEL_Z	Level at which HESNCOMPRATE_Z is calculated for year of instance	86	DL
HESNCOMPRATE_Z	Estimate of likelihood that activity in health profession was not completed	87	DM
HESCOL3_PROF	Contribution of activity in health profession to Column 3 of Tables 1-3 and Tables 6a-6c	88	CZ
HESCOL3_Y	Contribution of activity in price group to Column 3 of Tables 1-3	89	O - S
HESCOL3	Contribution of year of instance to Column 3 of Tables 1-3	90	N
HESCOL4_PROF	Contribution of activity in health profession to Column 4 of Tables 1-3 and Tables 6a-6c	91	DA
HESCOL4_Y	Contribution of activity in price group to Column 4 of Tables 1-3	92	U - Y
HESCOL4	Contribution of year of instance to Column 4 of Tables 1-3	93	T
HESCOL4A	Estimated contribution to FTE for year of instance	94	Z

PROVSPECLEARNMON_A, PROVSPECLEARNMON_B

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

PROVSPECDELMON_A, PROVSPECDELMON_B, PROVSPECDELMON_C, PROVSPECDELMON_D

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

Tables 1-3 recreation algorithms

ANNIV

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

STUBID

29. This field identifies years of programme of study when used in conjunction with UKPRN, LEARNREFNUMBER, and AIMSEQNUMBER. Where there are two years of programme of study 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 programme of study in the previous academic year. These records are distinguished using STUBID.

Value	Description	Definition
1	First year of programme of study	Provider specific override
2	Second year of programme of study	Provider specific override
0	One year of programme of study	Otherwise

OFSAWARD

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

31. For a full definition of this field please refer to '2019-20 ILR data checking tool: Classifying learning aims technical document' (available via: www.officeforstudents.org.uk/data-and-analysis/data-checking-tools/2019-20-ilr-data-checking-tool/).

OFSQAIM

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

33. For a full definition of this field please refer to '2019-20 ILR data checking tool: Classifying learning aims technical document' (available via: www.officeforstudents.org.uk/data-and-analysis/data-checking-tools/2019-20-ilr-data-checking-tool/).

OFSFUNDAIM

34. 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 'HESES19 - Higher Education Students Early Statistics Survey 2019-20' (www.officeforstudents.org.uk/publications/heses19/).

35. For a full definition of this field please refer to '2019-20 ILR data checking tool: Classifying learning aims technical document' (available via: www.officeforstudents.org.uk/data-and-analysis/data-checking-tools/2019-20-ilr-data-checking-tool/).

HESMODE

36. 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

HESCRSELGTH

37. 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.

HESAPPRENTICE

38. 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

HESHEALTHPROF

39. This field identifies which pre-registration nursing, midwifery and 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
ORTHOP	Orthoptics	Provider specific algorithm
ORTPRO	Orthotics and prosthetics	Provider specific algorithm

PHYSIO	Physiotherapy	Provider specific algorithm
PODCHI	Podiatry and chiropody	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 and allied health profession	Otherwise

HESLEVEL

40. This field allocates students to level of study.

Value	Description	Definition
UG	Undergraduate	FUNDLEV = 10, 11
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 courses which are eligible for student finance support	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 courses that do not fall under the previous two categories	FUNDLEV = 20, 21 and not above
PGR	Postgraduate research	FUNDLEV = 30, 31
BLANK	Otherwise	Otherwise

HESBROADLEVEL

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

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

HESUG18

42. This field shows the number of years of instance associated with the UKPRN and LEARNREFNUMBER in the 2018-19 ILR, where the value of OFSQAIM in 2018-19 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 HESES19[1] (i.e. the value of OFSFUNDAIM would have been 1). If no 2018-19 ILR data is available for the provider, this field will be blank.

43. 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.

HESPGT18

44. This field shows the number of years of instance associated with the UKPRN and LEARNREFNUMBER in the 2018-19 ILR, where the value of OFSQAIM in 2018-19 indicates a postgraduate level course, and the learning aim was fundable according to the definition of recognised higher education for OfS funding purposes used in HESES19[2] (i.e. the value of OFSFUNDAIM would have been 1). If no 2018-19 ILR data is available for the provider, this field will be blank.

45. 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.

HESUG17

46. This field shows the number of years of instance associated with the UKPRN and LEARNREFNUMBER in the 2017-18 ILR, where the value of OFSQAIM in 2017-18 indicates an undergraduate level course, and the learning aim was fundable according to the definition of recognised higher education for OfS funding purposes used in HESES19[3] (i.e. the value of OFSFUNDAIM would have been 1). If no 2017-18 ILR data is available for the provider, this field will be blank.

47. The values of OFSQAIM classed as undergraduate level for the purposes of this field are the same as those for the HESUG18 field, as listed in paragraph 43.

HESPGT17

48. This field shows the number of years of instance associated with the UKPRN and LEARNREFNUMBER in the 2017-18 ILR, where the value of OFSQAIM in 2017-18 indicates a postgraduate level course, and the learning aim was fundable according to the definition of recognised higher education for OfS funding purposes used in HESES19[4] (i.e. the value of

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[1] Paragraphs 1-2 of Annex B of 'HESES19 - Higher Education Students Early Statistics Survey 2019-20' (www.officeforstudents.org.uk/publications/heses19/).

[2] Paragraphs 1-2 of Annex B of 'HESES19 - Higher Education Students Early Statistics Survey 2019-20' (www.officeforstudents.org.uk/publications/heses19/).

[3] Paragraphs 1-2 of Annex B of 'HESES19 - Higher Education Students Early Statistics Survey 2019-20' (www.officeforstudents.org.uk/publications/heses19/).

[4] Paragraphs 1-2 of Annex B of 'HESES19 - Higher Education Students Early Statistics Survey 2019-20' (www.officeforstudents.org.uk/publications/heses19/).

OFSFUNDAIM would have been 1). If no 2017-18 ILR data is available for the provider, this field will be blank.

49. The values of OFSQAIM classed as postgraduate level for the purposes of this field are the same as those for the HESPGT18 field, as listed in paragraph 45.

HESEC

50. This field indicates whether a student has a UK, other Home and EU, or other domicile.

Value	Description	Definition
UK	UK-domiciled	DOMICILE = XF, XG, XH, XI, XK
OEU	Other Home and 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, IE, 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

LEARNDELFAM_SOF1

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

HESTYPE

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

Value	Description	Definition
HOMEF	Home and EU fundable	LEARNDELFAM_SOF1 = 1 or (HESEC = UK, OEU and FUNDLEV ≠ 30, 31 and LEARNDELFAM_SOF1 = 105 and HESAPPRENTICE = 1 and OFSFUNDAIM = 1)
HOMENF	Home and EU non-fundable	HESEC = UK, OEU and LEARNDELFAM_SOF1 ≠ 1 and not above
ISOV	Island and overseas	Otherwise

HESRESSTAT

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

Value	Description	Definition
HOMEF_UK	Home and EU fundable, UK-domiciled	HESTYPE = HOMEF and HESEC = UK
HOMEF_OTH	Home and EU fundable, Other Home and EU domiciled	HESTYPE = HOMEF and HESEC = OEU, OTHER
HOMENF_UK	Home and EU non-fundable, UK-domiciled	HESTYPE = HOMENF and HESEC = UK
HOMENF_OTH	Home and EU non-fundable, Other Home and EU domiciled	HESTYPE = HOMENF and HESEC = OEU, OTHER

Value	Description	Definition
ISOV	Island and overseas	Otherwise

LENGTH

54. This field indicates whether the student is on a standard or long year of programme of study.

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

HESREG

55. 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 2019
2	Column 2 student	Otherwise

HESAVRGFTEPOP

56. HESAVRGFTEPOP is used to identify students who are on a non-standard year of programme, 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).

57. The 2019-20 average FTE population is defined as follows:

Value	Description	Definition
1	In the 2019-20 average FTE population	TYPEYR ≠ 1 and LEARNSTARTDATE < 1 August 2019 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

Calculation of FTE

HESAVRGFTETYPE

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

Value	Description
1	There are 10 or more students in the 2019-20 average FTE population (HESAVRGFTEPOP = 1) at a given provider (UKPRN) who have the same recognised

Value	Description
	HE qualification aim (OFSQAIM), HESES mode (HESMODE) and expected course length (HESCRSELGTH)
2	There are 10 or more students in the 2019-20 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 2019-20 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 2018-19 average FTE population across all providers and not above

The 2018-19 average FTE population is defined as follows:

2018-19 TYPEYR ≠ 1 and

2018-19 LEARNSTARTDATE < 1 August 2018 and

2018-19 HESEXCL = 0 and

2018-19 HESCOMP ≠ 3 and

2018-19 HESMODE = PT.

HESAVRGFTE

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

Example

60. A provider only has 46 students in the 2019-20 average FTE population.

2019-20 UKPRN	2019-20 OFSQAIM	2019-20 HESMODE	2019-20 HESCRSELGTH	TOTAL
10000000	FIRST	PT	1	25
10000000	FIRST	PT	2	9
10000000	FIRST	PT	3	12

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.

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 2019-20 average FTE population that match on OFSQAIM, HESMODE and HESCRSELGTH, but there are at least 10 (46) that match on OFSQAIM alone.

HESFTE_CASE

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

a. Number of years of programme of study generated in the HESES recreation.

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

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

d. Whether the programme of study 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 programme of study	STUBID = 0 and TYPEYR = 1
1	Non-standard year of programme of study and the programme starts in the current academic year	STUBID = 0 and TYPEYR = 2, 3 and LEARNSTARTDATE > 31 July 2019
2	Non-standard year of programme of study and the programme of study does not start in the current academic year	STUBID = 0 and TYPEYR = 2, 4, 5 and LEARNSTARTDATE < 1 August 2019
When two countable years of programme of study are generated:		
3a	First countable year of programme of study	STUBID = 1
3b	Second countable year of programme of study	STUBID = 2

HESESFTE

62. This field contains the FTE we assume for the year of programme of study.

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

*HESESFTE is capped at 100. HESESFTE will be set to 0 if HESFTE_CASE is blank.

Calculation of price groups

FDTEACH

63. 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

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

65. For a full definition of this field please refer to '2019-20 ILR data checking tool: Classifying learning aims technical document' (available via: www.officeforstudents.org.uk/data-and-analysis/data-checking-tools/2019-20-ilr-data-checking-tool/).

PRGA, PRGB, PRGC1, PRGC2 and PRGD

66. 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
PRGC1	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

PRGC1	LDCS_CO1/2/3 = BF, C, DC,
	    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

67. In some cases the sum of PRGA, PRGB, PRGC1, PRGC2 and PRGD may not equal one. In these cases we scale them so that their sum is one.

FTEA, FTEB, FTEC1, FTEC2 and FTED

68. These fields contain the FTE assigned to each price group.

Field name	Value
FTEA	HESCOL4_A x HESESFTE
FTEB	HESCOL4_B x HESESFTE
FTEC1	HESCOL4_C1 x HESESFTE
FTEC2	HESCOL4_C2 x HESESFTE
FTED	HESCOL4_D x HESESFTE

Calculation of exclusion flags

EXCL1

69. 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 2019
0	Otherwise	Otherwise

EXCL2

70. 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

71. 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

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

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

EXCL16

73. This field indicates students on non-standard years of programme of study in their final academic year.

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

EXCL32

74. This field indicates whether a student was excluded because they withdrew before 2 November 2019 or left within 14 days of starting the instance without completing.

Value	Description	Definition
1	Students who withdrew before 2 November 2019 or left within 14 days of starting the instance without completing	COMPSTATUS ≠ 2 and LEARNACTENDDATE ≠ BLANK and (LEARNACTENDDATE < 2 November 2019 or LEARNACTENDDATE – LEARNSTARTDATE < 14)
0	Otherwise	Otherwise

EXCL64

75. 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 (PRGA + PRGB + PRGC1 + PRGC2 + PRGD = 0)
0	Otherwise	Otherwise

HESEXCL

76. 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 programme of study in final academic year	EXCL16 = 1
32	Students who withdrew before 2 November 2019 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

77. 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 HEIFES student population (EXCL4 = 1) and is not active in the academic year (EXCL1 = 1).

Table 4 recreation algorithms

HESYATYPE

78. This field identifies Erasmus+ years abroad.

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

HESYAPOP

79. This field indicates if the year of programme of study 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 and HESMODE = FTS, SWOUT and HESTYPE ≠ ISOV and SPECFEE = 2, 3
0	Otherwise	Otherwise

Table 5 recreation algorithms

HESNEWENTRANT

80. This field indicates whether a student is a new entrant. Where a student starts more than one countable years of instance at the same broad level in the same academic year and could be 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 2019 and
		HESEXCL = 0 and
		((HESBROADLEVEL = UG and
		    HESUG18 = 0, BLANK and
		    HESUG17 = 0, BLANK) or
		(HESBROADLEVEL = PGT and
		    HESPGT18 = 0, BLANK and
		    HESPGT17 = 0, BLANK))

0	Otherwise	Otherwise

Tables 6a-6c recreation algorithms

HESHEALTHYEAR

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

Value	Description	Definition
2019-20	Student started in 2019-20 academic year	LEARNSTARTDATE > 31 July 2019 and LEARNSTARTDATE < 1 August 2020
2018-19	Student started in 2018-19 academic year	LEARNSTARTDATE > 31 July 2018 and LEARNSTARTDATE < 1 August 2019
2017-18	Student started in 2017-18 academic year	LEARNSTARTDATE > 31 July 2017 and LEARNSTARTDATE < 1 August 2018
2016-17	Student started in 2016-17 academic year	LEARNSTARTDATE > 31 July 2016 and LEARNSTARTDATE < 1 August 2017
OTHER	Otherwise	Otherwise

HESHEALTHPOP

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

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

Overrides

HESOVER

83. 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 2019-20)
16	Override to HESTYPE
32	Overrides to PRGA, PRGB, PRGC1, 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

Recreating Columns 3, 4 and 4a

HESNCOMPLEVEL_Y

84. These fields identify the level at which HESNCOMPRATE_Y (where Y is each price group) is calculated for the year of instance.

Value	Description	Definition
BLANK	There is no activity in the price group for this instance in the 2019-20 ILR data.	PRGY = 0
BLANK	There is activity in the price group for this instance in the 2019-20 ILR data, but the year of instance is included in Tables 6a-6c of the HESES19 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, 6b and 6c) in HESES19 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, 6b and 6c) in HESES19 for this provider with the same mode, level, residential and fundability status, and price group, and not above.	PRGY > 0 and HESHEALTHPOP = 0
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, 6b and 6c) in HESES19 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, 6b and 6c) in HESES19 for this provider with the same mode, and not above.	PRGY > 0 and HESHEALTHPOP = 0
5	Otherwise	PRGY > 0 and HESHEALTHPOP = 0

HESNCOMPRATE_Y

85. These fields show an estimate of the likelihood that the activity in each price group (Y = A, B, C1, C2, D) was not completed. Each estimate is based on a non-completion rate taken from HESES19 at the appropriate level as identified in HESNCOMPLEVEL_Y. This rate is calculated as follows: (-1 × Column 3) ÷ (Column 1 + Column 2).

Value	Definition
BLANK	HESNCOMPLEVEL_Y = BLANK
Calculated from years of instance in Tables 1, 2 and 3 (excluding those also included in Tables 6a, 6b and 6c) of HESES19 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, 6b and 6c) of HESES19 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, 6b and 6c) of HESES19 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, 6b and 6c) of HESES19 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, 6b and 6c) of HESES19 for this provider.	HESNCOMPLEVEL_Y = 5

HESNCOMPLEVEL_Z

86. These fields identify the level at which HESNCOMPRATE_Z (Z = HESHEALTHPROF) is calculated for the year of instance.

Value	Description	Definition
BLANK	The year of instance is not included in Tables 6a-6c of the HESES19 recreation.	HESHEALTHPOP = 0
BLANK	The year of instance is included in Tables 6a-6c of the HESES19 recreation, but there is no activity in the profession for this instance in the 2019-20 ILR data.	HESHEALTHPOP = 1 and HESHEALTHPROF ≠ Z
1	More than 9 years of instance in Columns 1 and 2 of Tables 6a, 6b and 6c in HESES19 for this provider with the same mode, profession, residential and fundability status, and level, and not above.	HESHEALTHPOP = 1 and HESHEALTHPROF = Z
2	More than 9 years of instance in Columns 1 and 2 of Tables 6a, 6b and 6c in HESES19 for this provider with the same mode, profession, and residential and fundability status, and not above.	HESHEALTHPOP = 1 and HESHEALTHPROF = Z
3	More than 9 years of instance in Columns 1 and 2 of Tables 6a, 6b and 6c in HESES19 for this provider with the same mode and profession, and not above.	HESHEALTHPOP = 1 and HESHEALTHPROF = Z
4	More than 9 years of instance in Columns 1 and 2 of Tables 6a, 6b and 6c in HESES19 for this provider with the same mode, and not above.	HESHEALTHPOP = 1 and HESHEALTHPROF = Z
5	Otherwise	HESHEALTHPOP = 1 and HESHEALTHPROF = Z

HESNCOMPRATE_Z

87. These fields show an estimate of the likelihood that the activity in each health profession (Z = HESHEALTHPROF) was not completed. Each estimate is based on a non-completion rate taken from HESES19 at the appropriate level as identified in HESNCOMPLEVEL_Z. This rate is calculated as follows: (-1 × Column 3) ÷ (Column 1 + Column 2).

Value	Definition
BLANK	HESNCOMPLEVEL_Z = BLANK
Calculated from years of instance in Tables 6a, 6b and 6c of HESES19 for this provider with the same mode, profession, residential and fundability status, and level.	HESNCOMPLEVEL_Z = 1
Calculated from years of instance in Tables 6a, 6b and 6c of HESES19 for this provider with the same mode, profession, and residential and fundability status.	HESNCOMPLEVEL_Z = 2
Calculated from years of instance in Tables 6a, 6b and 6c of HESES19 for this provider with the same mode and profession.	HESNCOMPLEVEL_Z = 3
Calculated from years of instance in Tables 6a, 6b and 6c of HESES19 for this provider with the same mode.	HESNCOMPLEVEL_Z = 4
Calculated from years of instance in Tables 6a, 6b and 6c of HESES19 for this provider.	HESNCOMPLEVEL_Z = 5

HESCOL3_PROF

88. These fields show the contribution of the activity in each health profession (Z = HESHEALTHPROF) to Column 3 of Tables 1-3 and Tables 6a-6c of the HESES19 recreation.

Value	Description	Definition
BLANK	The year of instance is not included in Tables 6a-6c of the HESES19 recreation.	HESHEALTHPOP = 0
HESNCOMPRATE_Z	The contribution of the activity in the profession to Column 3 of Tables 1-3 and Tables 6a-6c of the HESES19 recreation.	HESNCOMPRATE_Z ≠ BLANK

HESCOL3_Y

89. These fields show the contribution of the activity in each price group (Y = A, B, C1, C2, D) to Column 3 of Tables 1-3 of the HESES19 recreation. (For years of instance included in Tables 6a-6c, they also show the contribution of the activity in each price group to Column 3 of Tables 6a-6c of the HESES19 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 of the HESES19 recreation, where the year of instance is not included in Tables 6a-6c of the HESES19 recreation.	PRGY > 0 and HESHEALTHPOP = 0
HESCOL3_PROF	The contribution of the activity in the price group to Column 3 of Tables 1-3 of the HESES19 recreation, where the year of	PRGY > 0 and HESHEALTHPOP = 1

Value	Description	Definition
	instance is included in Tables 6a-6c of the HESES19 recreation.	

HESCOL3

90. This field shows the contribution of the year of instance to Column 3 of Tables 1-3 of the HESES19 re-creation. It is the sum of HESCOL3_A, HESCOL3_B, HESCOL3_C1, HESCOL3_C2 and HESCOL3_D.

HESCOL4_PROF

91. These fields show the contribution of the activity in each health profession (Z = HESHEALTHPROF) to Column 4 of Tables 1-3 and Tables 6a-6c of the HESES19 recreation.

Value	Description	Definition
BLANK	The year of instance is not included in Tables 6a-6c of the HESES19 recreation.	HESHEALTHPOP = 0
1 – HESNCOMPRATE_Z	The contribution of the activity in the profession to Column 4 of Tables 1-3 and Tables 6a-6c of the HESES19 recreation.	HESNCOMPRATE_Z ≠ BLANK

HESCOL4_Y

92. These fields show the contribution of the activity in each price group (Y = A, B, C1, C2, D) to Column 4 of Tables 1-3 of the HESES19 recreation. (For years of instance included in Tables 6a-6c, they also show the contribution of the activity in each price group to Column 4 of Tables 6a-6c of the HESES19 recreation).

Value	Description	Definition
0	There is no activity in the price group for this instance.	PRG$_Y$ = 0
PRG$_Y$ × (1 – HESNCOMPRATE_Y)	The contribution of the activity in the price group to Column 4 of Tables 1-3 of the HESES19 recreation, where the year of instance is not included in Tables 6a-6c of the HESES19 recreation.	PRG$_Y$ > 0 and HESHEALTHPOP = 0
HESCOL4_PROF	The contribution of the activity in the price group to Column 4 of Tables 1-3 of the HESES19 recreation, where the year of instance is included in Tables 6a-6c of the HESES19 recreation.	PRG$_Y$ > 0 and HESHEALTHPOP = 1

HESCOL4

93. This field shows the contribution of the year of instance to Column 4 of Tables 1-3 of the HESES19 re-creation. It is the sum of HESCOL4_A, HESCOL4_B, HESCOL4_C1, HESCOL4_C2 and HESCOL4_D.

HESCOL4A

94. This field is the recreated HESES19 FTE for the year of instance. For part-time years of instance, this is used to populate Column 4a of Table 3. It is calculated by multiplying the contribution of the year of instance to Column 4 of Tables 1-3 of the HESES19 recreation (HESCOL4) by HESESFTE, and then dividing by 100.