

**Office for
Students**



2017-18 ILR post-collection outputs

**HEIFES17 comparison technical
document**

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Summary

Introduction

1. This document describes the HEIFES17 comparison files supplied as part of the 2017-18 Individualised Learner Record (ILR) post-collection outputs, and the algorithms used to generate the data needed to recreate the HEIFES17 workbook from the 2017-18 ILR data.
2. The HEIFES17 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 end-of-year 2017-18 ILR data compares with the in-year HEIFES17 data, and highlight significant differences between the two.
3. The HEIFES17 comparison is formed of two files. These are:
 - a. HEIFES17 comparison workbook 'HEF17_XXXXXXXX.xlsx'. This is supplied for the reconciliation exercise.
 - b. HEIFES17 comparison individualised file 'HEF17_XXXXXXXX_IND.csv'. This is supplied for the reconciliation exercise and funding data summaries, and may also be useful in interpreting the use of 2017-18 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. This document is aimed at readers with in-depth knowledge of the data. Readers are advised to have a copy of 'Specification of the Individualised Learner Record for 2017 to 2018' (<https://www.gov.uk/government/publications/ilr-specification-validation-rules-and-appendices-2017-to-2018>), 'HEIFES17: Higher Education in Further Education: Students Survey 2017-18' ([HEFCE 2017/18](#)) and the latest individualised files for the HEIFES16 comparison and the HEIFES15 recreation to hand when using this document.
5. These files can be accessed from the '2017-18 Post-collection outputs' area of the OfS portal. Access details will be sent to the appropriate contacts at providers when the files are available.

Changes from the 2017-18 ILR data checking tool

6. This section describes any changes to the outputs and algorithms since the equivalent was published for the data checking tool, available here: <https://www.officeforstudents.org.uk/data-and-analysis/data-checking-tools/2017-18-ilr-data-checking-tool/> under 'Documentation'. Any additions are shown as **bold and underlined**.

HEFAPPRENTICE

7. The algorithm for HEFAPPRENTICE = 1 has been expanded to include PROGTYPE values of 2 and 3.

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

HEFTYPE

8. The algorithm for HEFTYPE = HOMEF has been modified to use a combination of HEFAPPRENTICE = 1 and HEFQAIM ≠ OTHER in place of PROGTYPE.

Value	Description	Definition
HOMEF	Home and EU fundable	LEARNDEL FAM_SOF1 = 1 or (HEFEC = UK, OEU and FUNDLEV ≠ 30, 31 and LEARNDEL FAM_SOF1 = 105 and HEFAPPRENTICE = 1 and HEFQAIM ≠ OTHER)
HOMENF	Home and EU non-fundable	HEFEC = UK, OEU and LEARNDEL FAM_SOF1 ≠ 1 and not above
ISOV	Island and overseas	Otherwise

HEIFES17 comparison workbook

9. The HEIFES17 comparison is the Excel workbook HEF17_XXXXXXXX.xlsx where XXXXXXXX denotes the provider's UK Provider Reference Number (UKPRN), and the worksheets it contains are listed in Table 1.

Table 1: Worksheets in the HEIFES17 comparison workbook

Worksheet*	Title
Information	Workbook information
Key differences	Key differences between HEIFES17 and HEIFES17 recreated using 2017-18 ILR data
Rebuild information	Comparison of HEIFES17 data and the recreated HEIFES17 data with rebuild instructions
Courses	HEIFES17 recreation Courses table: Countable years of course between 1 August 2017 and 1 November 2017 at course level
1 Full-time	HEIFES17 recreation Table 1: Full-time counts of years of course
2 Sandwich	HEIFES17 recreation Table 2: Sandwich year out counts of years of course
3 Part-time	HEIFES17 recreation Table 3: Part-time counts of years of course and FTE
4 Year abroad	HEIFES17 recreation Table 4: Home and EU undergraduate years abroad
5 Planning	HEIFES17 recreation Table 5: Further student breakdowns for planning purposes
6 Subcontractual	HEIFES17 recreation Table 6: Years of course taught under subcontractual arrangements by other providers
7 Health	HEIFES17 recreation Table 7a: Full-time counts of years of course for 2016-17 and 2017-18 starters on pre-registration health courses Table 7b: Sandwich year out counts of years of course for 2016-17 starters on pre-registration health courses Table 7c: Part-time counts of years of course for 2016-17 and 2017-18 starters on pre-registration health courses

Worksheet*	Title
hCourses	HEIFES17 Courses table: Countable years of course between 1 August 2017 and 1 November 2017 at course level
h1 Full-time	HEIFES17 Table 1: Full-time counts of years of course
h2 Sandwich	HEIFES17 Table 2: Sandwich year out counts of years of course
h3 Part-time	HEIFES17 Table 3: Part-time counts of years of course and FTE
h4 Year abroad	HEIFES17 Table 4: Home and EU undergraduate years abroad
h5 Planning	HEIFES17 Table 5: Further student breakdowns for planning purposes
h6 Subcontractual	HEIFES17 Table 6: Years of course taught under subcontractual arrangements by other providers
h7 Health	HEIFES17 Table 7a: Full-time counts of years of course for 2016-17 and 2017-18 starters on pre-registration health courses Table 7b: Sandwich year out counts of years of course for 2016-17 starters on pre-registration health courses Table 7c: Part-time counts of years of course for 2016-17 and 2017-18 starters on pre-registration health courses
A Summary	2018-19 Grant tables Table A: 2018-19 Summary of teaching allocations
B High-cost	2018-19 Grant tables Table B: 2018-19 High-cost subject funding
C Student premium	2018-19 Grant tables Table C: 2018-19 Student premium allocations
D Erasmus+	2018-19 Grant tables Table D: 2018-19 Erasmus+ and overseas study programmes
E NMAH supplement	2018-19 Grant tables Table E: 2018-19 Nursing, midwifery and allied health supplement
F Other TAs	2018-19 Grant tables Table F: 2018-19 Other targeted allocations
G Parameters	2018-19 Grant tables Table G: 2018-19 Parameters in the funding models
Courses diff	Difference between HEIFES17 and HEIFES17 recreation Courses table: Countable years of course between 1 August 2017 and 1 November 2017 at course level
1 Full-time diff	Difference between HEIFES17 and HEIFES17 recreation Table 1: Full-time counts of years of course
2 Sandwich diff	Difference between HEIFES17 and HEIFES17 recreation Table 2: Sandwich year out counts of years of course
3 Part-time diff	Difference between HEIFES17 and HEIFES17 recreation Table 3: Part-time counts of years of course and FTE
4 Year abroad diff	Difference between HEIFES17 and HEIFES17 recreation Table 4: Home and EU undergraduate years abroad
5 Planning diff	Difference between HEIFES17 and HEIFES17 recreation Table 5: Further student breakdowns for planning purposes
6 Subcontractual diff	Difference between HEIFES17 and HEIFES17 recreation Table 6: Years of course taught under subcontractual arrangements by other providers
7 Health diff	Difference between HEIFES17 and HEIFES17 recreation Table 7a: Full-time counts of years of course for 2016-17 and 2017-18 starters on pre-registration health courses Table 7b: Sandwich year out counts of years of course for 2016-17 starters on pre-registration health courses

Worksheet*	Title
	Table 7c: Part-time counts of years of course for 2016-17 and 2017-18 starters on pre-registration health courses

* Shading corresponds to the colour of the workbook tab.

10. The difference sheets (see worksheets ending in 'diff' in Table 1) will indicate where differences between the HEIFES17 recreation tables and HEIFES17 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 HEIFES17 data and the HEIFES17 recreation data.

11. Providers are strongly encouraged to use the 'Rebuild information' sheet in the HEF17_XXXXXXXX.xlsx workbook, which highlights data quality issues relating to the ILR fields used in the HEIFES17 recreation algorithms.

HEIFES17 comparison individualised file

12. When working through this technical document it is necessary to use the individualised file, HEF17_XXXXXXXX_IND.csv. The individualised file contains the values of all derived fields described in this document for every record in the 2017-18 ILR data.

13. You should use the individualised file, HEF17_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.

14. The HEIFES17 comparison rebuild document provides instructions for rebuilding key figures in the workbook from the individualised file.

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

Table 2: Fields used in the recreation of HEIFES17

Name	Description	Data source	Column in individualised file
AIMSEQNUMBER	Learning aim data set sequence	ILR	C
DOMICILE	Country of domicile	ILR	AP
FUNDCOMP	Completion of year of programme of study	ILR	AZ
FUNDLEV	Level applicable to HEIFES	ILR	BA
LEARNACTENDDATE	Learning actual end date	ILR	BZ
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	BY
LEARNREFNUMBER	Learner reference number	ILR	B
LEARNSTARTDATE	Learning start date	ILR	BW
MODESTUD	Mode applicable to HEIFES	ILR	CA
NUMHUS	Student instance identifier	ILR	D

Name	Description	Data source	Column in individualised file
PARTNERUKPRN	UKPRN of provider in subcontractual arrangement	ILR	AJ
PCFLDCS	Proportion taught in LDSCS_CO1 subject	ILR	BS
PCSLDCS	Proportion taught in LDSCS_CO2 subject	ILR	BT
PCTLDSCS	Proportion taught in LDSCS_CO3 subject	ILR	BU
PROGTYPE	Type of programme	ILR	CB
PROVSPECLEARNMON†	Provider-specified learner data	ILR	See Table 3
PROVSPECLEARNMON OCCUR†	The occurrence of provider-specified learner data	ILR	See Table 3
SPECFEE	Special fee indicator	ILR	CD
STULOAD	Learner FTE	ILR	CE
TYPEYR	Type of programme year	ILR	CG
UKPRN	UK provider reference number	ILR	A
ULN	Unique learner number	ILR	E
AWARD_BO	Awarding body	LARS	AN
AWARD_BO_UKPRN	Awarding body UKPRN	LARS	AO
ENG_LEVE	England FE/HE status	LARS	AQ
LDSCS_CO1	Learning directory classification system code 1	LARS	BP
LDSCS_CO2	Learning directory classification system code 2	LARS	BQ
LDSCS_CO3	Learning directory classification system code 3	LARS	BR
QUAL_TYP	Learning aim type	LARS	CC

† 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 HEIFES17 are included in the individualised file.

Description of derived fields

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

Table 3: HEIFES17 recreation derived fields

Derived field name	Description	Paragraph	Column in individualised file
ANNIV	Anniversary of start date	19	BX
EXCL1	Student not active in academic year	52	AR
EXCL2	Non-recognised HE qualification aim	53	AS
EXCL4	Student explicitly excluded from the HEIFES student population	54	AT
EXCL8	Student with an FTE of less than 0.03	55	AU
EXCL16	Student on non-standard year of programme of study in final academic year	56	AV
EXCL32	Students who withdrew before 2 November 2017 or left within 14 days of starting without completing	57	AW
EXCL64	No price group information and FTE of at least 0.03	58	AX
FDTEACH	Student on foundation degree teaching assistant course	47	AY
FTEB, FTEC1, FTEC2 and FTED	Proportion of FTE assigned to price group	51	Z - AC
HEFAPPRENTICE	Student is on an apprenticeship	34	AI
HEFAVRGFTE	Average FTE	42	BB
HEFAVRGFTEPOP	Whether the student is in the population for the calculation of HEFAVRGFTE	40	BC
HEFAVRGFTE TYPE	Indicates the hierarchy of students that are used to inform the mean average FTE that is used to calculate HEFAVRGFTE	41	BD
HEFAWARD	Recognition of awarding body	21	BE
HEFBROADLEVEL	Broad level of study	27	BF
HEFCOMP	Completion status	38	T
HEFCRSELGTH	Number of years qualification aim expected to last	24	BK
HEFEC	Whether student has UK, EU or other domicile	32	BL
HEFESFTE	HEIFES FTE	45	Y

Derived field name	Description	Paragraph	Column in individualised file
HEFEXCL	Reason(s) for exclusion from the HEIFES population	59	N
HEFFTE_CASE	Method used to calculate HEFFTE	44	BM
HEFHEALTHPOP	Indicates whether year of instance is included in the count of Table 7	65	AK
HEFHEALTHPROF	States the nursing, midwifery or allied health profession that the student is studying towards	46	AL
HEFHEALTHYEAR	States the academic year that the student started their studies	64	AM
HEFLEVEL	Level of study	25	P
HEFMODE	Mode of study	23	O
HEFNEWENTRANT	Whether the student is a new entrant	63	AH
HEFOVER	Primary derived field(s) being overwritten	66	BN
HEFPGT15	Number of postgraduate years of course in 2015-16 ILR	31	BI
HEFPGT16	Number of postgraduate years of course in 2016-17 ILR	29	BJ
HEFQAIM	Recognised HE qualification aim	22	BO
HEFREG	HEIFES Column 1 or 2 indicator	39	S
HEFRESSTAT	Fundability and residential status	36	AF
HEFSUBLEVEL	Sub-level of study	26	AG
HEFTYPE	Fundability status	35	Q
HEFUG15	Number of undergraduate years of course in 2015-16 ILR	30	BG
HEFUG16	Number of undergraduate years of course in 2016-17 ILR	28	BH
HEFYAPOP	Indicates whether year of instance is included in the count of Table 4: Home and EU undergraduate years abroad	62	AD
HEFYATYPE	Type of fee charged to students spending a whole year abroad	61	AE
LEARNDELFAM_SOF1	Source of funding	33	BV
LENGTH	Long or standard year length	37	R
TTCID	Student is on an Initial Teacher Training (ITT) course	48	CF
PRGB, PRGC1, PRGC2 and PRGD	Proportion of countable year in price group	49	U - X
PROVSPECDELMON_A, PROVSPECDELMON_B,	Provider-specified learning aim data	18	I - L

Derived field name	Description	Paragraph	Column in individualised file
PROVSPECDELMON_C, PROVSPECDELMON_D			
PROVSPECLEARNMON_A, PROVSPECLEARNMON_B	Provider-specified learner data	17	G - H
STUBID	Unique year of programme of study	20	F

PROVSPECLEARNMON_A, PROVSPECLEARNMON_B

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

PROVSPECDELMON_A, PROVSPECDELMON_B, PROVSPECDELMON_C, PROVSPECDELMON_D

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

ANNIV

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

STUBID

20. 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

HEFAWARD

21. This field indicates if the awarding body is 'recognised' according to HEIFES definitions.

Value	Description	Definition
DEGREE	Provider has degree awarding powers	AWARD_BO_UKPRN = 10000163, 10000291, 10000385, 10000571, 10000712 10000824, 10000886, 10000936, 10000961, 10000975 10001143, 10001282, 10001478, 10001726, 10001883 10002718, 10002919, 10003270, 10003324, 10003331 10003614, 10003645, 10003678, 10003854, 10003861

Value	Description	Definition
		10003863, 10003956, 10003957, 10003958, 10004048 10004063, 10004078, 10004113, 10004180, 10004351 10004775, 10004599, 10004797, 10004930, 10005337 10005343, 10005389, 10005451, 10005500, 10005523 10005545, 10005553, 10005561, 10005790, 10006022 10006299, 10006427, 10006566, 10006840, 10006841 10006842, 10007114, 10007137, 10007138, 10007139 10007140, 10007141, 10007143, 10007144, 10007145 10007146, 10007147, 10007148, 10007149, 10007150 10007151, 10007152, 10007154, 10007155, 10007156 10007157, 10007158, 10007159, 10007160, 10007161 10007162, 10007163, 10007164, 10007165, 10007166 10007167, 10007657, 10007713, 10007759, 10007760 10007761, 10007762, 10007764, 10007765, 10007766 10007767, 10007768, 10007769, 10007771, 10007772 10007773, 10007774, 10007775, 10007776, 10007777 10007778, 10007779, 10007780, 10007782, 10007783 10007784, 10007785, 10007786, 10007787, 10007788 10007789, 10007790, 10007791, 10007792, 10007793 10007794, 10007795, 10007796, 10007797, 10007798 10007799, 10007800, 10007801, 10007802, 10007803 10007804, 10007805, 10007806, 10007807, 10007811 10007814, 10007816, 10007822, 10007823, 10007825 10007832, 10007833, 10007835, 10007836, 10007837 10007842, 10007843, 10007848, 10007849, 10007850 10007851, 10007852, 10007854, 10007855, 10007856 10007857, 10007858, 10008017, 10008173, 10008289 10008574, 10008640, 10008899, 10014001, 10031982 10037449, 10039956, 10040812, 10046789
FOUDEG	Provider has foundation degree awarding powers only	AWARD_BO_UKPRN = 10000754, 10003200, 10004576, 10004603, 10007859, 10007938
HN	Bodies with HNC and HND awarding powers only	AWARD_BO = SQA or AWARD_BO_UKPRN = 10022490
OTHER	Otherwise	Otherwise

HEFQAIM

22. This field allocates qualification aims to broad recognised higher education qualification types.

Value	Description	Definition
FIRST	First degree	ENG_LEVE = H and HEFAWARD = DEGREE and QUAL_TYP = 0394, 1407, 1409, 1462, 6002, 9000, 9002, 9107, E007

Value	Description	Definition
ENHANCED	Enhanced first degree	ENG_LEVE = H and HEFAWARD = DEGREE and QUAL_TYP = 6003
MASTER	Masters	ENG_LEVE = H and HEFAWARD = DEGREE and QUAL_TYP = 0393, 1410, 1463, 1464, 2001, 9101, 9109, 9114
HIGHER	Higher degree	Provider specific override
DIPHE	DipHE	ENG_LEVE = H and HEFAWARD = DEGREE and QUAL_TYP = 9112
PGCE	PGCE and other postgraduate ITT	ENG_LEVE = H and HEFAWARD = DEGREE and QUAL_TYP = 6004, 9103, 9115
CERTED	CertEd	ENG_LEVE = H and HEFAWARD = DEGREE and QUAL_TYP = 1465, 9111
FOUDEG	Foundation degree	ENG_LEVE = H and HEFAWARD = DEGREE, FOUDEG and QUAL_TYP = 9110
FDBC	Foundation degree bridging course	ENG_LEVE = H and HEFAWARD = DEGREE and QUAL_TYP = 6001
DTLLS	Diploma in teaching in the lifelong learning sector	ENG_LEVE = H and HEFAWARD = DEGREE and QUAL_TYP = 1449
DET	Diploma in Education and Training	ENG_LEVE = H and HEFAWARD = DEGREE and QUAL_TYP = 1458
PGDIP	Postgraduate diploma	ENG_LEVE = H and HEFAWARD = DEGREE and QUAL_TYP = 0125
HNC	HNC	ENG_LEVE = H and HEFAWARD = DEGREE, HN and QUAL_TYP = 0031
HND	HND	ENG_LEVE = H and HEFAWARD = DEGREE, HN and QUAL_TYP = 0032, 1454
UGOTHER	Other undergraduate	Provider specific approvals for inclusion as recognised HE in HEIFES (undergraduate)
PGOTHER	Other postgraduate	Provider specific approvals for inclusion as recognised HE in HEIFES (postgraduate)
OTHER	Other qualifications	Otherwise

HEFMODE

23. This field allocates students to mode of study.

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

HEFCRSELGTH

24. 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. 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.

HEFLEVEL

25. 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 HEFQAIM = CERTED, DTLLS, DET, PGCE
PGT_ML	Postgraduate taught courses which are eligible for student finance support	FUNDLEV = 20, 21, 30, 31 and HEFQAIM = MASTER, HIGHER and ((HEFMODE = FTS, SWOUT and HEFCRSELGTH = 1, 2) or (HEFMODE = PT and HEFCRSELGTH = 1, 2, 3, 4))
PGT_OTH	Postgraduate taught courses that do not fall under the previous two categories	FUNDLEV = 20, 21, 30, 31 and not above
BLANK	Otherwise	Otherwise

HEFSUBLEVEL

26. This field indicates a finer breakdown of HEFLEVEL for the purpose of Table 5.

Value	Description	Definition
HND	HND	HEFLEVEL = UG and HEFQAIM = HND
SUB	Sub-degree (excluding HND)	HEFLEVEL = UG and HEFQAIM = HNC, DIPHE, CERTED, DTLLS, DET
FD	Foundation Degree	HEFLEVEL = UG and HEFQAIM = FOUDEG
OTH_UG	Other UG degree	HEFLEVEL = UG and not above

Value	Description	Definition
PGT_UGF	Postgraduate taught and eligible under the undergraduate student support regime	HEFLEVEL = PGT_UGF
PGT_ML	Postgraduate taught courses which are eligible for student finance support	HEFLEVEL = PGT_ML
PGT_OTH	Postgraduate taught courses that do not fall under the previous two categories	HEFLEVEL = PGT_OTH
BLANK	Otherwise	Otherwise

HEFBROADLEVEL

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

Value	Description	Definition
UG	Undergraduate	HEFLEVEL = UG
PGT	Postgraduate taught	HEFLEVEL = PGT_UGF, PGT_ML, PGT_OTH

HEFUG16

28. This field shows the number of years of course associated with the UKPRN and LEARNREFNUMBER in the 2016-17 ILR, where the value of HEFLEVEL for 2016-17 = UG. If no 2016-17 ILR data is available for the provider, this field will be blank.

HEFPGT16

29. This field shows the number of years of course associated with the UKPRN and LEARNREFNUMBER in the 2016-17 ILR, where the value of HEFLEVEL for 2016-17 = PGT_UGF, PGT_ML, PGT_OTH. If no 2016-17 ILR data is available for the provider, this field will be blank.

HEFUG15

30. This field shows the number of years of course associated with the UKPRN and LEARNREFNUMBER in the 2015-16 ILR, where the value of HEFLEVEL for 2015-16 = UG. If no 2015-16 ILR data is available for the provider, this field will be blank.

HEFPGT15

31. This field shows the number of years of course associated with the UKPRN and LEARNREFNUMBER in the 2015-16 ILR, where the value of HEFLEVEL for 2015-16 = PGT_UGF, PGT. If no 2015-16 ILR data is available for the provider, this field will be blank.

HEFEC

32. 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

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

HEFAPPRENTICE

34. 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

HEFTYPE

35. 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 (HEFEC = UK, OEU and FUNDLEV ≠ 30, 31 and LEARNDELFAM_SOF1 = 105 and HEFAPPRENTICE = 1 and HEFQAIM ≠ OTHER)
HOMENF	Home and EU non-fundable	HEFEC = UK, OEU and LEARNDELFAM_SOF1 ≠ 1 and not above
ISOV	Island and overseas	Otherwise

HEFRESSTAT

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

Value	Description	Definition
HOMEF_UK	Home and EU fundable, UK-domiciled	HEFTYPE = HOMEF and HEFEC = UK
HOMEF_OTH	Home and EU fundable, Other Home and EU domiciled	HEFTYPE = HOMEF and HEFEC = OEU, OTHER
HOMENF_UK	Home and EU non-fundable, UK-domiciled	HEFTYPE = HOMENF and HEFEC = UK
HOMENF_OTH	Home and EU non-fundable, Other Home and EU domiciled	HEFTYPE = HOMENF and HEFEC = OEU, OTHER
ISOV	Island and overseas	Otherwise

LENGTH

37. 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

HEFCOMP

38. This field assigns students to Column 3 or 4 of Tables 1 to 3 of the HEIFES recreation.

Value	Description	Definition
3	Column 3 student	FUNDCOMP = 2
4	Column 4 student	Otherwise

HEFREG

39. This field assigns students to Column 1 or 2 of Tables 1 to 3 of the HEIFES recreation.

Value	Description	Definition
1	Column 1 student	ANNIV < 2 November 2017
2	Column 2 student	Otherwise

HEFAVRGFTEPOP

40. The 2017-18 average FTE population is defined as follows:

Value	Description	Definition
1	In the 2017-18 average FTE population	TYPEYR ≠ 1 and LEARNSTARTDATE < 1 August 2017 and LEARNACTENDDATE = BLANK and FUNDCOMP ≠ 9, BLANK and MODESTUD ≠ 99, BLANK and FUNDALEV ≠ 99, BLANK and STULOAD ≠ BLANK and HEFQAIM ≠ OTHER and HEFCOMP ≠ 3 and HEFMODE = PT.
0	Otherwise	Otherwise

HEFAVRGFTETYPE

41. This field identifies the level at which HEFAVRGFTE is calculated for the student.

Value	Description
1	10 or more students in the 2017-18 average FTE population (HEFAVRGFTEPOP = 1) match the student over provider (UKPRN), recognised HE qualification aim (HEFQAIM), HEIFES mode (HEFMODE) and expected length of the course in years (HEFCRSELGTH)
2	10 or more students in the 2017-18 average FTE population (HEFAVRGFTEPOP = 1) match the student over provider (UKPRN), recognised HE qualification aim (HEFQAIM) and not above
3	10 or more students in the 2017-18 average FTE population (HEFAVRGFTEPOP = 1) match the student over provider (UKPRN) and level of study (HEFLEVEL) and not above
4	Level of study (HEFLEVEL) in the 2016-17 average FTE population across all providers and not above

The 2016-17 average FTE population is defined as follows:

2016-17 TYPEYR ≠ 1 and
 2016-17 LEARNSTARTDATE < 1 August 2016 and
 2016-17 HEFEXCL = 0 and
 2016-17 HEFCOMP ≠ 3 and
 2016-17 HEFMODE = PT.

HEFAVRGFTE

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

Example

43. A provider only has 46 students in the 2017-18 average FTE population.

2017-18 UKPRN	2017-18 HEFQAIM	2017-18 HEFMODE	2017-18 HEFCRSELGTH	TOTAL
10000000	FIRST	PT	1	25
10000000	FIRST	PT	2	9
10000000	FIRST	PT	3	12

For a student at this provider with HEFQAIM = FIRST, HEFMODE = PT and HEFCRSELGTH = 1, HEFAVRGFTEYPE would be 1 as there are more than 10 students in the average FTE population that match on HEFQAIM, HEFMODE and HEFCRSELGTH.

For a student at this provider with HEFQAIM = FIRST, HEFMODE = PT and HEFCRSELGTH = 2, HEFAVRGFTEYPE would be 2 as there are fewer than 10 students in the 2017-18 average FTE population that match on HEFQAIM, HEFMODE and HEFCRSELGTH, but there are at least 10 (46) that match on HEFQAIM alone.

HEFFTE_CASE

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

- Number of years of programme of study generated in the HEIFES recreation.
- Whether the year of programme of study in the current academic year is standard or non-standard.
- Whether the year of programme of study in the previous academic year was standard or non-standard.
- 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 2017
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 2017

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

HEFESFTE

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

Value*	Definition
100	HEFMODE = FTS
50	HEFMODE = SWOUT
30	HEFQAIM = FDBC
STULOAD	HEFFTE_CASE = 0 and not above
HEFAVRGFTE	HEFFTE_CASE = 1 and not above
STULOAD	HEFFTE_CASE = 2 and not above
Provider specific override	HEFFTE_CASE = 3a
Provider specific override	HEFFTE_CASE = 3b

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

HEFHEALTHPROF

46. 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

FDTEACH

47. This field identifies students on foundation degrees for teaching assistants awarded as an additional student number bid, or otherwise agreed by HEFCE or the OfS.

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

TTCID

48. This field indicates whether the student is on an Initial Teacher Training (ITT) course.

Value	Description	Definition
1	Student is on an ITT course	Provider specific algorithm
0	Otherwise	Otherwise

PRGB, PRGC1, PRGC2 and PRGD

49. 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 or HEFMODE = SWOUT or HEFQAIM = CERTED, DTLLS, DET, PGCE	1
PRGB	HEFHEALTHPROF = DIETET, MIDWIF, OCCTHE, OPDEPT, ORTHOP, ORTPRO, PHYSIO, PODCHI, RADDIA, RADTHE, SPELAN and not row 1 above	1
PRGC1	HEFHEALTHPROF = NURSAD, NURSCH, NURSLD, NURSMH, NURSUN and not row 1 above	1
PRGB	LDCS_CO1/2/3 = PB, PC.1, PC.5, PE.6, PE.7, PF.1, PF.2, PG.1, PG.2, QA.3, QH.6, R (except RA.3, RA.5, RA.6, RB, RF.4, RG), S (except SE, SJ.5, SM, SN.3, SN.4, SN.6, SP, SQ), TK, TL, TM, VE, VF.4, VG, WA, WB, WC, WD, WE, WG, X (except XA.13, XA.32, XN, XS), Y and not row 1 to 3 above	(PCFLDCS + PCSLDCS + PCTLDCS) / 100
PRGC1	LDCS_CO1/2/3 = C, DC, J (except JA.22, JA.23, JA.32, JA.33, JA.34, JA.5, JA.7, JA.8, JD, JE), K (except KB, KC), L (except LF, LG), SE, VF.1, VF.2, VF.3, VF.5, VF.6, W (except WA, WB, WC, WD, WE, WG, WM) and not row 1 to 3 above	(PCFLDCS + PCSLDCS + PCTLDCS) / 100

Field name	Definition	Value
PRGC2	LDCS_CO1/2/3 = FN.1, FN.3, FN.4, FN.5, FN.7, FN.8, FN.9, M, N (except NG, NK, NM), P (except PA, PB, PC.1, PC.5, PE.6, PE.7, PF.1, PF.2, PG.1, PG.2), Q (except QA.3, QB, QH, QJ), RA.3, RA.5, RA.6, RB, RF.4, RG, SN.3, SN.4, SN.6, SQ, T (except TC.44, TC.5, TC.6, TF, TK, TL, TM), WM, XA.13, XA.32, XN, XS, Z (except ZX.3, ZX.4, ZX.5) and not row 1 to 3 above	(PCFLDCS + PCSLDCS + PCTLDCS) / 100
PRGD	LDCS_CO1/2/3 = A, B, D (except DC), E, F (except FN.1, FN.3, FN.4, FN.5, FN.7, FN.8, FN.9), G, H, JA.22, JA.23, JA.32, JA.33, JA.34, JA.5, JA.7, JA.8, JD, JE, KB, KC, LF, LG, NG, NK, NN, PA, QB, QH (except QH.6), QJ, SJ.5, SM, SP, TC.44, TC.5, TC.6, TF, 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 row 1 to 3 above	(PCFLDCS + PCSLDCS + PCTLDCS) / 100

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

FTEB, FTEC1, FTEC2 and FTED

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

Value	Definition
FTEB	PRGB × HEFESFTE
FTEC1	PRGC1 × HEFESFTE
FTEC2	PRGC2 × HEFESFTE
FTED	PRGD × HEFESFTE

EXCL1

52. 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 2017
0	Otherwise	Otherwise

EXCL2

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

Value	Description	Definition
1	Non-recognised higher education qualification aim	HEFQAIM = OTHER
0	Otherwise	Otherwise

EXCL4

54. This field indicates students explicitly excluded by the provider as 'Not in HEIFES population'.

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

EXCL8

55. 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 HEFESFTE < 3
0	Otherwise	Otherwise

EXCL16

56. 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

57. This field indicates whether a student was excluded because they withdrew before 2 November 2017 or left within 14 days of starting without completing.

Value	Description	Definition
1	Students who withdrew before 2 November 2017 or left within 14 days of starting without completing	FUNDCOMP = 2 and LEARNACTENDDATE ≠ BLANK and (LEARNACTENDDATE < 2 November 2017 or LEARNACTENDDATE – LEARNSTARTDATE < 14)
0	Otherwise	Otherwise

EXCL64

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

Value	Description	Definition
1	No price group information and FTE of at least 0.03	HEFESFTE ≥ 3 and STULOAD ≠ BLANK and (PRGB + PRGC1 + PRGC2 + PRGD = 0)
0	Otherwise	Otherwise

HEFEXCL

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

Value	Description	Definition
1	Student not active in academic year	EXCL1 = 1
2	Non-recognised HE qualification aim	EXCL2 = 1
4	Student explicitly excluded from the HEIFES 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 2017 or left within 14 days of starting without completing	EXCL32 = 1
64	No price group information and FTE of at least 0.03	EXCL64 = 1
0	Otherwise	None of the above

60. This field contains the exclusion reason(s) for the student. It is calculated as $(1 \times \text{EXCL1}) + (2 \times \text{EXCL2}) + \dots + (64 \times \text{EXCL64})$. The reason(s) which contribute to the exclusion of a student can therefore be calculated. For example, if HEFEXCL = 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).

HEFYATYPE

61. This field identifies Erasmus+ years abroad.

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

HEFYAPOP

62. 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	HEFEXCL = 0 and HEFLEVEL = UG and HEFMODE = FTS, SWOUT and HEFTYPE \neq ISOV and SPECFEE = 2, 3
0	Otherwise	Otherwise

HEFNEWENTRANT

63. This field indicates whether a student is a new entrant. Where a student starts more than one countable years of course 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 course 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 2017 and ((HEFBROADLEVEL = UG and HEFUG16 = 0, BLANK and HEFUG15 = 0, BLANK) or (HEFBROADLEVEL = PGT and HEFPGT16 = 0, BLANK and HEFPGT15 = 0, BLANK))
0	Otherwise	Otherwise

HEFHEALTHYEAR

64. This field identifies the academic year in which the student started their course for the purpose of Table 7.

Value	Description	Definition
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

HEFHEALTHPOP

65. This field indicates if the year of course is included in the population of Table 7 for pre-registration nursing, midwifery and allied health professions.

Value	Description	Definition
1	Year of course included in Table 7	HEFEXCL = 0 and ((HEFHEALTHYEAR = 2016-17 and HEFLEVEL = UG and ((HEFHEALTHPROF = OCCTHE, OPDEPT, ORTHOP, PHYSIO, RADDIA, RADTHE and HEFTYPE = HOMEF) or (HEFHEALTHPROF ≠ DENHYG, DENTHE, BLANK and HEFTYPE = HOMENF))) or (HEFHEALTHYEAR = 2017-18 and (HEFLEVEL = UG and ((HEFHEALTHPROF ≠ BLANK and HEFTYPE = HOMEF) or (HEFHEALTHPROF = DENHYG, DENTHE and HEFTYPE = HOMENF))) or (HEFLEVEL = PGT_ML, PGT_OTH and ((HEFHEALTHPROF = OCCTHE, OPDEPT, ORTHOP, PHYSIO, RADDIA, RADTHE and HEFTYPE = HOMEF) or (HEFHEALTHPROF ≠ DENHYG, DENTHE, BLANK and HEFTYPE = HOMENF))))))
0	Otherwise	Otherwise

HEFOVER

66. This field indicates the primary derived field(s) that have been overridden for the student. For example, if HEFOVER = 11, by subtracting figures from the following table starting at the bottom, we see that the student has had overrides for HEFCOMP (HEFOVER = 8), HEFMODE (HEFOVER = 2) and HEFEXCL (HEFOVER = 1) applied.

Value	Description
1	Override to HEFEXCL
2	Override to HEFMODE
4	Override to HEFREG
8	Override to HEFCOMP
16	Override to HEFTYPE
32	Overrides to PRGB, PRGC1, PRGC2 and PRGD
64	Override to LENGTH
128	Override to HEFLEVEL
256	Override to HEFESFTE
1024	Override to HEFQAIM
2048	Override to HEFYAPOP
4096	Override to HEFYATYPE



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