

2016-17 ILR post-collection outputs:

HEIFES16 comparison technical document

Purpose

1. This document describes the HEIFES16 comparison files supplied as part of the post-collection outputs and the algorithms used to generate the data needed to re-create HEIFES16 from 2016-17 ILR data.
2. The HEIFES16 comparison is formed of two files which are supplied as part of the funding data summaries and reconciliation exercise releases of the 2016-17 ILR post-collection outputs. These are:
 - i. HEIFES16 comparison workbook 'HEF16_F100XXXXX.xlsx'. This is only supplied for the reconciliation exercise release.
 - ii. HEIFES16 comparison individualised file 'HEF16_F100XXXXX_IND.csv'. This is supplied for the reconciliation exercise release and may also be useful in interpreting the use of 2016-17 ILR data in the calculation of Student premium allocations.
3. Both files can be accessed via the Office for Students portal (<https://extranet.officeforstudents.org.uk/Data>). Details will be sent to contacts at providers.
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 2016 to 2017' (available from the Education & Skills Funding Agency via www.gov.uk/government/publications/ilr-specification-validation-rules-and-appendices-2016-to-2017) and 'HEIFES16: Higher Education in Further Education: Students Survey 2016-17' (HEFCE 2016/23) to hand when using this document.

Changes from the 2016-17 ILR data checking tool

5. Table 5 HEC and Table 6 SUB are no longer re-created in the HEIFES16 comparison, as these tables are not used for funding purposes. This has led to the removal of the Table 5 HEC, Table 6 SUB, hTable 5 HEC, hTable 6 SUB and Table 5 HEC diff tabs in the HEIFES16 comparison workbook. The PARTNERUKPRN, HEFPARTNERNAME, HEFAPPRENTICE and HEFSUBLEVEL fields have also been removed from the HEIFES16 comparison individualised file.
6. The DOMICILE value 'EU' has been added to the algorithm for the 'Other Home and EU' value of the HEFEC derived field.

HEIFES16 comparison workbook 'HEF16_F100XXXXX.xlsx'

7. The HEIFES16 comparison workbook is supplied as part of the reconciliation exercise release only. The Excel workbook HEF16_F100XXXXX.xlsx (where 100XXXXX is the UK Provider Reference Number (UKPRN) for the college) contains the following worksheets:

Table 1 Worksheets in the HEIFES16 comparison workbook

Worksheet*	Title
Coversheet	Title page
Rebuild information	Comparison of HEIFES16 data and the re-created HEIFES16 data with rebuild instructions

Worksheet*	Title
Courses	HEIFES16 re-creation Courses table: Counts of years of course
Table 1 FTS	HEIFES16 re-creation Table 1: Full-time counts of years of course
Table 2 OUT	HEIFES16 re-creation Table 2: Sandwich year out counts of years of course
Table 3 PT	HEIFES16 re-creation Table 3: Part-time counts of years of course and FTE
Table 4 YA	HEIFES16 re-creation Table 4: Home and EU undergraduate years abroad
Table 7 Health	HEIFES16 re-creation Table 7: Counts of years of course and starters on pre-registration nursing, midwifery and allied health profession courses
hCourses	HEIFES16 Courses table: Counts of years of course
hTable 1 FTS	HEIFES16 Table 1: Full-time counts of years of programme of study
hTable 2 OUT	HEIFES16 Table 2: Sandwich year out counts of years of programme of study
hTable 3 PT	HEIFES16 Table 3: Part-time counts of years of programme of study and FTE
hTable 4 YA	HEIFES16 Table 4: Home and EU undergraduate years abroad
hTable 7 Health	HEIFES16 Table 7: Counts of years of course and starters on pre-registration nursing, midwifery and allied health profession courses
Funding 1-3	2017-18 funding calculated using HEIFES16 FTEs and HEIFES16 re-creation FTEs
Table 1 FTS diff	Difference between HEIFES16 and HEIFES16 re-creation Table 1: Full-time counts of years of course
Table 2 OUT diff	Difference between HEIFES16 and HEIFES16 re-creation Table 2: Sandwich year out counts of years of course
Table 3 PT diff	Difference between HEIFES16 and HEIFES16 re-creation Table 3: Part-time counts of years of course and FTE
Table 4 YA diff	Difference between HEIFES16 and HEIFES16 re-creation Table 4: Home and EU undergraduate whole years abroad
Table 7 Health diff	Difference between HEIFES16 and HEIFES16 re-creation Table 7: Counts of years of course and starters on pre-registration nursing, midwifery and allied health profession courses

* This worksheet reference corresponds to the spreadsheet tabs.

8. The difference sheets (see worksheets ending in 'diff' in Table 1) will indicate where differences in cell figures between the HEIFES16 re-creation tables and HEIFES16 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 provided to assist providers in reconciling differences between HEIFES16 data and the HEIFES16 re-creation data.

9. Colleges are strongly encouraged to use the 'Rebuild information' in the HEF16_F100XXXXX.xlsx workbook which may highlight data quality issues relating to the ILR fields used in the HEIFES16 re-creation algorithms.

HEIFES16 comparison individualised file 'HEF16_F100XXXXX_IND.csv'

10. When working through this document it is necessary to use the individualised file, HEF16_F100XXXXX_IND.csv (where 100XXXXX is the UK Provider Reference Number (UKPRN) for the college). This will show the allocation of students to cells within the tables and, where relevant, details of why they were excluded. Full details of how to access this file are given on HEFCE website (<http://www.hefce.ac.uk/data/indstudata/help/output/>).

2016-17 ILR fields used to re-create the HEIFES16 tables

11. Only certain fields, detailed in Table 2, were used to generate the HEIFES16 re-creation figures. Fields taken from the 2016-17 ILR return or derived as part of the re-creation tables are shown in capitals using the names given in Tables 2 and 3 respectively.

Table 2 Fields used in the re-creation of HEIFES16

Name	Description	Data source	Column in individualised file
UKPRN	UK provider reference number	ILR	A
LEARNREFNUMBER	Learner reference number	ILR	B
DOMICILE	Country of domicile	ILR	BC
PROVSPECLEARNMONOC CUR	The occurrence of provider-specified learner data	ILR	See Table 3
PROVSPECLEARNMON	Provider-specified learner data	ILR	See Table 3
ULN	Unique learner number	ILR	E
AIMSEQNUMBER	Learning aim data set sequence	ILR	C
LEARNAIMREF	Learning aim reference	ILR	M
LEARNDELFAAMTYPE‡	The type of funding or monitoring attribute	ILR	See Table 3
LEARNDELFAAMCODE‡	The value of the funding or monitoring attribute	ILR	See Table 3
LEARNPLANENDDATE	Learning planned end date	ILR	BH
LEARNSTARTDATE	Learning start date	ILR	BI
LEARNACTENDDATE	Learning actual end date	ILR	BG
NUMHUS	Student instance identifier	ILR	D
TYPEYR	Type of programme year	ILR	BR
PROGTYPE	Type of programme	ILR	BN
MODESTUD	Mode applicable to HEIFES	ILR	BJ
FUNDLEV	Level applicable to HEIFES	ILR	BF
FUNDCOMP	Completion of year of programme of study	ILR	BE
STULOAD	Learner FTE	ILR	BQ
PCFLDCS PCSLDCS PCTLDCS	Proportion taught in LDCS_CO1-CO3 subject	ILR	BK - BM
SPECFEE	Special fee indicator	ILR	BP
AWARD_BO	Awarding body	LARS	BA

Name	Description	Data source	Column in individualised file
AWARD_BO_UKPRN	Awarding body UKPRN	LARS	BB
ENG_LEVE	England FE/HE status	LARS	BD
LDCS_CO1, LDCS_CO2, LDCS_CO3	Learning directory classification system codes	LARS	BS - BU
QUAL_TYP	Learning aim type	LARS	BO

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

‡ Only values of LEARNDEL FAMCODE and consequently LEARNDEL FAMTYPE that are required by the re-creation of HEIFES16 are included in the individualised file.

Description of derived fields for re-creating tables

12. Here we give details of the derived fields in the individualised file. These fields are used to build the key dimensions of the HEIFES re-creation tables.

Table 3 HEIFES16 re-creation derived fields

Derived field name	Description	Paragraph	Column in individualised file
ANNIV	Anniversary of start date	15	AF
EXCL1 – EXCL64	Exclusion reason(s)	39-45	AG - AM
FDTEACH	Student on foundation degree teaching assistant course	34	AN
FTEB FTEC1 FTEC2 FTED	Proportion of FTE assigned to price group	38	AO - AR
HEFAVRGFTE	Average FTE	30	AS
HEFAVRGFTEPOP	Whether the student is in the population for the calculation of HEFAVRGFTE	28	AT
HEFAVRGFTE TYPE	Indicates the hierarchy of students that are used to inform the mean average FTE that is used to calculate HEFAVRGFTE	29	AU
HEFAWARD	Recognition of awarding body	17	AV
HEFCOMP	Completion status	26	O
HEFCRSELGTH	Number of years qualification aim expected to last	20	AW
HEFEC	Whether student has UK, EU or other domicile	22	AX

Derived field name	Description	Paragraph	Column in individualised file
HEFESFTE	HEIFES FTE	33	P
HEFEXCL	Reason(s) for exclusion from the HEIFES population	46	N
HEFFTE_CASE	Method used to calculate HEFFTE	32	AY
HEFHEALTHPROF	States the nursing, midwifery or allied health profession that the student is studying towards	50	X
HEFHEALTHYEAR	States the academic year that the student started their studies	51	Y
HEFLEVEL	Level of study	21	R
HEFMODE	Mode of study	19	S
HEFOVER	Primary derived field(s) being overwritten	52	AZ
HEFQAIM	Recognised HE qualification aim	18	Q
HEFREG	HEIFES Column 1 or 2 indicator	27	T
HEFTYPE	Fundability status	24	U
HEFYAPOP	Indicates whether year of instance is included in the count of Table 4 years abroad	49	W
HEFYATYPE	Type of fee charged to students spending a whole year abroad	48	V
LEARNDELFAM_SOF1	Source of funding	23	BV
LENGTH	Long or standard year length	25	Z
TTCID	Student is on an Initial Teacher Training (ITT) course	35	AA
PRGB PRGC1 PRGC2 PRGD	Proportion of countable year in price group	36	AB - AE
PROVSPECDELMON_A PROVSPECDELMON_B PROVSPECDELMON_C PROVSPECDELMON_D	Provider-specified learning aim data	14	I - L
PROVSPECLEARNMON_A PROVSPECLEARNMON_B	Provider-specified learner data	13	G - H
STUBID	Unique year of programme of study	16	F

PROVSPECLEARNMON_A, PROVSPECLEARNMON_B (Columns G - H)

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

PROVSPECDELMON_A, PROVSPECDELMON_B, PROVSPECDELMON_C, PROVSPECDELMON_D (Columns I - L)

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

ANNIV (Column AF)

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

STUBID (Column F)

16. 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	College-specific override
2	Second year of programme of study	College-specific override
0	One year of programme of study	Otherwise

HEFAWARD (Column AV)

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

Value	Description	Definition
DEGREE	Institution has degree awarding powers	AWARD_BO_UKPRN = 10000163, 10000291, 10000385, 10000571, 10000712, 10000824 10000886, 10000936, 10000961, 10000975, 10001143, 10001282 10001478, 10001726, 10001883, 10002718, 10003270, 10003324 10003331, 10003614, 10003645, 10003678, 10003854, 10003861 10003863, 10003956, 10003957, 10004048, 10004063, 10004078 10004113, 10004180, 10004351, 10004775, 10004599, 10004797

Value	Description	Definition
		10004930, 10005337, 10005343, 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	Institution 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 (Column Q)

18. This field allocates qualification aims to broad recognised HE 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
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	College-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 = 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

Value	Description	Definition
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	College-specific approvals for inclusion as recognised HE in HEIFES (undergraduate)
PGOTHER	Other postgraduate	College-specific approvals for inclusion as recognised HE in HEIFES (postgraduate)
OTHER	Other qualifications	Otherwise

HEFMODE (Column S)

19. 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 (Column AW)

20. 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 (Column R)

21. 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

HEFEC (Column AX)

22. 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	Not Home or EU domiciled	Otherwise
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LEARNDELFAM_SOF1 (Column BV)

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

HEFTYPE (Column U)

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

Value	Description	Definition
HOMEF	Home and EU HEFCE-fundable	LEARNDELFAM_SOF1 = 1 or (HEFEC = UK, OEU and FUNDLEV ≠ 30, 31 and LEARNDELFAM_SOF1 = 105 and PROGTYPE = 20, 21, 22, 23, 25)
HOMENF	Home and EU non-fundable	HEFEC = UK, OEU and LEARNDELFAM_SOF1 ≠ 1 and not above
ISOV	Island and overseas	Otherwise

LENGTH (Column Z)

25. 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 (Column O)

26. This field assigns students to Column 3 or 4 of Tables 1 to 3 of the HEIFES re-creation.

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

HEFREG (Column T)

27. This field assigns students to Column 1 or 2 of Tables 1 to 3 of the HEIFES re-creation.

Value	Description	Definition
1	Column 1 student	ANNIV < 2 November 2016
2	Column 2 student	Otherwise

HEFAVRGFTEPOP (Column AT)

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

Value	Description	Definition
1	In the 2016-17 average FTE population	TYPEYR ≠ 1 and LEARNSTARTDATE < 1 August 2016 and LEARNACTENDDDATE = 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

HEFAVRGFTE TYPE (Column AU)

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

Value	Description
1	10 or more students in the 2016-17 average FTE population (HEFAVRGFTEPOP = 1) match the student over institution (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 2016-17 average FTE population (HEFAVRGFTEPOP = 1) match the student over institution (UKPRN), recognised HE qualification aim (HEFQAIM) and not above

Value	Description
3	10 or more students in the 2016-17 average FTE population (HEFAVRGFTEPOP = 1) match the student over institution (UKPRN) and level of study (HEFLEVEL) and not above
4	Level of study (HEFLEVEL) in the 2015-16 average FTE population across all institutions and not above

The 2015-16 average FTE population is defined as follows:

2015-16 TYPEYR ≠ 1 and
2015-16 LEARNSTARTDATE < 1 August 2015 and
2015-16 HEFEXCL = 0 and
2015-16 HEFCOMP ≠ 3 and
2015-16 HEFMODE = PT.

HEFAVRGFTE (Column AS)

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

Example

31. An institution only has 46 students in the 2016-17 average FTE population.

2016-17 UKPRN	2016-17 HEFQAIM	2016-17 HEFMODE	2016-17 HEFCRSELGTH	TOTAL
10000000	FIRST	PT	1	25
10000000	FIRST	PT	2	9
10000000	FIRST	PT	3	12

For a student at this institution with HEFQAIM = FIRST, HEFMODE = PT and HEFCRSELGTH = 1, HEFAVRGFTE TYPE would be 1 as there are more than 9 students in the average FTE population that match on HEFQAIM, HEFMODE and HEFCRSELGTH.

For a student at this institution with HEFQAIM = FIRST, HEFMODE = PT and HEFCRSELGTH = 2, HEFAVRGFTE TYPE would be 2 as there are fewer than 10 students in the 2016-17 average FTE population that match on HEFQAIM, HEFMODE and HEFCRSELGTH, but there are at least 10 (46) that match on HEFQAIM alone.

HEFFTE_CASE (Column AY)

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

- a. Number of years of programme of study generated in the HEIFES re-creation.
- 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 2016
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 2016
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 (Column P)

33. 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
College-specific override	HEFFTE_CASE = 3a
College-specific override	HEFFTE_CASE = 3b

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

FDTEACH (Column AN)

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

Value	Description	Definition
1	Foundation degree teaching assistant	College-specific override
0	Otherwise	Otherwise

TTCID (Column AA)

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

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

PRGB, PRGC1, PRGC2 and PRGD (Columns AB - AE)

36. 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	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,	(PCFLDCS + PCSLDCS + PCTLDCS) / 100

Field name	Definition	Value
	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 above	
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 above	(PCFLDCS + PCSLDCS + PCTLDCS) / 100
PRGC2	LDCS_CO1/2/3 = FN.1, FN.3, FN.4, FN.5, FN.7, FN.8, FN.9, M, N (except NG, NK, NN), 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 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 above	(PCFLDCS + PCSLDCS + PCTLDCS) / 100

37. 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 (Columns AO - AR)

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

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

EXCL1 (Column AG)

39. 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 2016
0	Otherwise	Otherwise

EXCL2 (Column AH)

40. This field indicates students excluded because they are studying for a non-recognised HE qualification aim.

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

EXCL4 (Column AI)

41. This field indicates students explicitly excluded by the college as 'Not in HEIFES population'.

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

EXCL8 (Column AJ)

42. 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 (Column AK)

43. 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 (Column AL)

44. This field indicates whether a student was excluded because they withdrew before 2 November 2015 or left within 14 days of starting without completing.

Value	Description	Definition
1	Students who withdrew before 2 November 2016 or left within 14 days of starting without completing	FUNDCOMP = 2 and LEARNACTENDDATE ≠ BLANK and (LEARNACTENDDATE < 2 November 2016 or LEARNACTENDDATE – LEARNSTARTDATE < 14)
0	Otherwise	Otherwise

EXCL64 (Column AM)

45. 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 \geq 3 and STULOAD \neq BLANK and (PRGB + PRGC1 + PRGC2 + PRGD = 0)
0	Otherwise	Otherwise

HEFEXCL (Column N)

46. This field indicates whether the student will be included in Tables 1 to 4 of the HEIFES re-creation. For students excluded from the re-creation, HEFEXCL contains the sum of all applicable values from the table below. Students included in the re-creation 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 2016 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

47. 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 (Column V)

48. This field identifies Erasmus+ years abroad.

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

OTHER	Otherwise	Otherwise
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HEFYAPOP (Column W)

49. 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 ≠ ISOV and SPECFEE = 2, 3
0	Otherwise	Otherwise

HEFHETHPROF (Column X)

50. This field identifies which nursing, midwifery and allied health profession the student is recorded against in the count of years of course included in Table 7.

Value	Description	Definition
DENTHE	Dental therapy	College specific algorithm
DENHYG	Dental hygiene	College specific algorithm
DIETET	Dietetics	College specific algorithm
NURSUN	Nursing (unclassified)	College specific algorithm
NURSAD	Adult nursing	College specific algorithm
NURSCH	Children's nursing	College specific algorithm
NURSLD	Learning Disability nursing	College specific algorithm
NURSMH	Mental Health nursing	College specific algorithm
MIDWIF	Midwifery	College specific algorithm
OCCTHE	Occupational therapy	College specific algorithm
OPDEPT	Operating department practice	College specific algorithm
ORTHOP	Orthoptics	College specific algorithm
ORTPRO	Orthotics and prosthetics	College specific algorithm

Value	Description	Definition
PHYSIO	Physiotherapy	College specific algorithm
PODCHI	Podiatry and chiropody	College specific algorithm
RADTHE	Radiography (therapeutic)	College specific algorithm
RADDIA	Radiography (diagnostic)	College specific algorithm
SPELAN	Speech and language therapy	College specific algorithm
BLANK	Not a nursing, midwifery and allied health profession	Otherwise

HEFHEALTHYEAR (Column Y)

51. This field identifies which academic year the student started course. This field is used in the count of years of course included in Table 7.

Value	Description	Definition
2016-17	Student started in 2016-17 academic year	LEARNSTARTDATE > 31 July 2016 and LEARNSTARTDATE < 1 August 2017
OTHER	Otherwise	Otherwise

Overrides

HEFOVER (Column AZ)

52. 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

Value	Description
32	Overrides to PRGB-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