2017-18 HESA data checking tool: HESES17 comparison technical document

Contents

Summary

1. This document describes the Higher Education Students: Early Statistics 2017 (HESES17) comparison files generated by the 2017-18 Higher Education Statistics Agency (HESA) data checking tool and the algorithms used to generate the data needed to recreate HESES17 from 2017-18 HESA data.

2. The HESES17 comparison outputs can be used by higher education providers to verify, and where appropriate correct, their 2017-18 individualised student data before signing the final data off with HESA.

3. This document is aimed at readers with in-depth knowledge of the data. Readers are advised to have a copy of the HESA Student Record Coding Manual 2017-18 (https://www.hesa.ac.uk/collection/c17051), 'HESES17: Higher Education Student Early Statistics Survey 2017-18' (http://webarchive.nationalarchives.gov.uk/20180405115636/http:/www.hefce.ac.uk/pubs/year/2017/201717/), and the latest individualised files for the HESES16 comparison and the HESES15 re-creation to hand when using this document.

4. The HESES17 comparison is formed of three files. These are

   a. HESES17 comparison workbook 'HES17_DCT_HXXXXXXXX.xlsx'.
   b. HESES17 comparison modularised file 'HES17_DCT_HXXXXXXXX_MOD.csv'.
   c. HESES17 comparison individualised file 'HES17_DCT_HXXXXXXXX_IND.csv'.

5. All three files can be accessed via the Information Reporting Interface Service (IRIS) report which is available on HESA's data collection site at https://datacollection.hesa.ac.uk/. Details will be sent by email to HESES contacts at providers when outputs become available.

6. The Office for Students (OfS) was established in April 2018. For the purpose of this document and its associated outputs the term 'fundable' refers to students who were HEFCE-fundable in 2017-18. From April 2018 these students became OfS-fundable.

Changes from the HESES16 comparison

7. Additional fields or values added since the HESES16 comparison released as part of the 2016-17 HESA post-collection outputs are shown as **bold and underlined**.

8. Table 5 and Table 6 of HESES17 have been recreated using 2017-18 HESA data. The **HESBROADLEVEL**, **HESUG16**, **HESPGT16**, **HESPGR16**, **HESUG15**, **HESPGT15**, **HESPGR15**, **HESNEWENTRANT**, and **HESSUBCONTRACT** derived fields have been introduced to the individualised file, and the **TINSTMODFTESBJP**, **TOTTINSTMODFTE** and **TINSTPROP** derived fields have been introduced to the modularised file to allow for these tables to be recreated, and are included in this document.

9. HESUG16The derived field **HESEC** has been added to identify whether a student has a UK, other Home and EU, or other domicile. The HESTYPE derived field has been updated to include HESEC.

Value	Description	Definition

HOMENF	Home and EU non-fundable	(FUNDCODE = 1 and HESLEVEL = PGR) or
		(FUNDCODE = 2, 5, 7 and
		    (FEEELIG = 1 or
		        (FEEELIG = 3 and **HESEC = OEU, UK**))) or
		(UKPRN = 10007773
		and FUNDCODE = 1 and DOMICILE = XG, XH, XI)

HOMEF	Home and EU fundable	FUNDCODE = 1 and not above
ISOV	Island and overseas	Otherwise

10. The derived field EXCL2048 (paragraph 79 of the '2016-17 HESA Post-collection outputs HESES16 comparison technical document') has been removed because HESA no longer requires data on subject knowledge enhancement (SKE) courses to be reported.

11. The derived fields PRGB and PRGC1 have additional values to assign price groups to pre-registration courses in nursing, midwifery and allied health professions.

Field name	Definition	Value
PRGB	**COURSEAIM = H16 ,H62, I16, J26, M16, M26, M86 and (HESHEALTHPROF1 = DIETET, MIDWIF, OCCTHE, OPDEPT, ORTHOP, ORTPRO, PHYSIO, PODCHI, RADTHE, RADDIA, SPELAN or HESHEALTHPROF2 = DIETET, MIDWIF, OCCTHE, OPDEPT, ORTHOP, ORTPRO, PHYSIO, PODCHI, RADTHE, RADDIA, SPELAN)**	**1**
PRGC1	**COURSEAIM = H16 ,H62, I16, J26, M16, M26, M86 and (HESHEALTHPROF1 = NURSUN, NURSAD, NURSCH, NURSLD, NURSMH or HESHEALTHPROF2 = NURSUN, NURSAD, NURSCH, NURSLD, NURSMH)**	**1**

12. The HESHEALTHYEAR has an additional value of '2017-18' to account for the second cohort of students on pre-registration nursing, midwifery and allied health courses that have been transferred.

Value	Description	Definition
2016-17	Student started in the 2016-17 academic year	COMDATE > 31 July 2016 and COMDATE < 1 August 2017
2017-18	**Student started in the 2017-18 academic year**	**COMDATE > 31 July 2017**
OTHER	Otherwise	Otherwise

13. The HESHEALTHPOP field has been updated to determine which students should be included on Table 7.

Value	Description	Definition
1	Included in Table 7 population	HESEXCL = 0 and (UKPRN ≠ 10007773 or (UKPRN = 10007773 and DOMICILE ≠ XG, XH, XI)) and (COURSEAIM = H16, H62, I16, J26, M16, M26, M86) **and ((HESHEALTHYEAR = 2016-17 and** **HESLEVEL = UG and** **((HESTYPE = HOMEF and** **(HESHEALTHPROF1 = OCCTHE, OPDEPT, ORTHOP,** **PHYSIO, RADDIA, RADTHE** **or HESHEALTHPROF2 = OCCTHE, OPDEPT, ORTHOP,** **PHYSIO, RADDIA, RADTHE))** **or (HESTYPE = HOMENF and** **(HESHEALTHPROF1 ≠ DENHYG, DENTHE, BLANK** **or HESHEALTHPROF2 ≠ DENHYG, DENTHE, BLANK))))** **or (HESHEALTHYEAR = 2017-18 and** **((HESLEVEL = UG and** **((HESTYPE = HOMEF and** **(HESHEALTHPROF1 ≠ BLANK** **or HESHEALTHPROF2 ≠ BLANK))** **or (HESTYPE = HOMENF and** **(HESHEALTHPROF1 = DENHYG, DENTHE** **or HESHEALTHPROF2 = DENHYG, DENTHE)))** **or (HESLEVEL = PGT_ML, PGT_OTH and** **(HESTYPE = HOMEF and** **HESHEALTHPROF1 = OCCTHE, OPDEPT, ORTHOP,** **PHYSIO, RADDIA, RADTHE** **or HESHEALTHPROF2 = OCCTHE, OPDEPT, ORTHOP,** **PHYSIO, RADDIA, RADTHE))** **or (HESTYPE = HOMENF and** **(HESHEALTHPROF1 ≠ DENHYG, DENTHE, BLANK** **or HESHEALTHPROF2 ≠ DENHYG, DENTHE, BLANK))))))))**
0	Otherwise	Otherwise

HESES17 comparison workbook

14. The HESES17 comparison is the Excel workbook HES17_DCT_HXXXXXXXX.xlsx (where XXXXXXXX denotes the UK Provider Reference Number (UKPRN)) which contains the following worksheets:

Table 1: Worksheets in the HESES17 comparison workbook

Workbook tab*	Title
Information	Workbook information
Key differences	Key differences between HESES17 and HESES17 recreated using 2017-18 HESA data
Rebuild information	Comparison of HESES17 data and the recreated HESES17 data with rebuild instructions

Workbook tab*	Title
1 Full-time	HESES17 re-creation Table 1: Full-time counts of years of instance
2 Sandwich	HESES17 re-creation Table 2: Sandwich year out counts of years of instance
3 Part-time	HESES17 re-creation Table 3: Part-time counts of years of instance and FTE
4 Year abroad	HESES17 re-creation Table 4: Home and EU undergraduate years abroad
5 Planning	HESES17 re-creation Table 5: Further student breakdowns for planning purposes
6 Subcontractual	HESES17 re-creation Table 6: Years of instance taught under subcontractual arrangements by other providers
7a Health	HESES17 re-creation Table 7a: Full-time counts of years of instance for 2016-17 and 2017-18 starters on pre-registration health courses
7b Health	HESES17 re-creation Table 7b: Sandwich year out counts of years of instance for 2016-17 starters on pre-registration health courses
7c Health	HESES17 re-creation Table 7c: Part-time counts of years of instance for 2016-17 and 2017-18 starters on pre-registration health courses
h1 Full-time	HESES17 Table 1: Full-time counts of years of instance
h2 Sandwich	HESES17 Table 2: Sandwich year out counts of years of instance
h3 Part-time	HESES17 Table 3: Part-time counts of years of instance and FTE
h4 Year abroad	HESES17 Table 4: Home and EU undergraduate years abroad
h5 Planning	HESES17 Table 5: Further student breakdowns for planning purposes
h6 Subcontractual	HESES17 Table 6: Years of instance taught under subcontractual arrangements by other providers
h7a Health	HESES17 Table 7a: Full-time counts of years of instance for 2016-17 and 2017-18 starters on pre-registration health courses
h7b Health	HESES17 Table 7b: Sandwich year out counts of years of instance for 2016-17 starters on pre-registration health courses
h7c Health	HESES17 Table 7c: Part-time counts of years of instance 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

Workbook tab*	Title
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
1 Full-time diff	Difference between HESES17 and HESES17 re-creation Table 1: Full-time counts of years of instance
2 Sandwich diff	Difference between HESES17 and HESES17 re-creation Table 2: Sandwich year out counts of years of instance
3 Part-time diff	Difference between HESES17 and HESES17 re-creation Table 3: Part-time counts of years of instance and FTE
4 Year abroad diff	Difference between HESES17 and HESES17 re-creation Table 4: Home and EU undergraduate years abroad
5 Planning diff	Difference between HESES17 and HESES17 re-creation Table 5: Further student breakdowns for planning purposes
6 Subcontractual diff	Difference between HESES17 and HESES17 re-creation Table 6: Years of instance taught under subcontractual arrangements by other providers
7a Health diff	Difference between HESES17 and HESES17 re-creation Table 7a: Full-time counts of years of instance for 2016-17 and 2017-18 starters on pre-registration health courses
7b Health diff	Difference between HESES17 and HESES17 re-creation Table 7b: Sandwich year out counts of years of instance for 2016-17 starters on pre-registration health courses
7c Health diff	Difference between HESES17 and HESES17 re-creation Table 7c: Part-time counts of years of instance for 2016-17 and 2017-18 starters on pre-registration health courses

*Shading is to help distinguish between worksheets.

15. The difference sheets (see worksheets ending in 'diff' in Table 1) will indicate where differences between the HESES17 re-creation tables and HESES17 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 HESES17 data and the HESES17 re-creation data.

16. Providers are strongly encouraged to use the 'Rebuild information' in the HES17_DCT_HXXXXXXXX.xlsx workbook, which may highlight data quality issues relating to the HESA fields used in the HESES17 re-creation algorithms.

HESES17 comparison individualised file and HESES17 comparison modularised file

17. When working through this document it is necessary to use the individualised file HES17_DCT_HXXXXXXX_IND.csv and modularised file HES17_DCT_HXXXXXXX_MOD.csv. These will show the allocation of students to cells within the tables and indicates, where relevant, why they were excluded.2017-18 HESA fields used to recreate the HESES17 tables

18. Only certain fields, detailed in Table 2, are used to generate the HESES re-creation figures. Fields taken from the 2017-18 HESA return are listed in Table 2 and fields derived as part of the re-creation tables are listed in Table 3.

Table 2: Fields used in the re-creation of HESES17

Entity	Field	Description	Column in individualised file	Column in modularised file
Course	COURSEAIM	General qualification aim of course	AM	N/A
Course	COURSEID	Course identifier	F	F
Course	CTITLE	Course title	AN	N/A
Course	REDUCEDC	Reduced course return indicator	DT	N/A
Course	REGBODY1-2	Regulatory body for health and social care students	DV-DW	N/A
Course	TTCID	Teacher training course	EE	N/A
Course subject	SBJCA1-3	Subject of course	DX-DZ	
Entry profile	DOMICILE	Domicile	AO	N/A
Instance	BRIDGE	Foundation degree to degree bridging course	AK	N/A
Instance	CAMPID†	Campus identifier	G	G
Instance	COMDATE	Start date of instance	AL	T
Instance	ENDDATE	End date of instance	AP	N/A
Instance	EXCHANGE	Exchange programmes	AQ	N/A
Instance	FEEELIG	Fee eligibility	BE	N/A
Instance	FUNDCODE	Fundability code	BK	N/A
Instance	FUNDCOMP	Completion of year of instance	BL	N/A
Instance	FUNDLEV	Level applicable to funding council HESES	BM	N/A
Instance	INITIATIVES1-2	Initiatives	CN-CO	N/A

Entity	Field	Description	Column in individualised file	Column in modularised file
Instance	INSTCAMP†	Provider's own campus identifier	H	H
Instance	LOADYRA	Full time equivalent (FTE) in year A	CR	N/A
Instance	LOADYRB	FTE in year B	CS	N/A
Instance	LOCSDY	Location of study	CU	N/A
Instance	MCDATE	Change of mode date	CV	N/A
Instance	MODE	Mode of study	CW	N/A
Instance	MSTUFEE	Major source of tuition fees	DM	N/A
Instance	NUMHUS	Student instance identifier	C	C
Instance	OWNINST†	Provider's own instance identifier	E	E
Instance	QTS	Qualified Teacher Status	DS	N/A
Instance	REDUCEDI	Reduced instance return indicator	DU	N/A
Instance	SPECFEE	Special fee indicator	EA	N/A
Instance	SPLENGTH	Expected length of study	EB	N/A
Instance	STULOAD	Student instance FTE	EC	N/A
Instance	TYPEYR	Type of instance year	EG	AR
Instance	UNITLGTH	Units of length	EI	N/A
Instance	YEARPRG	Year of course	EJ	N/A
Instance	YEARSTU	Year of student on this instance	EK	N/A
Provider	INSTAPP	Indicator for funding approximations	AD	AG
Provider	UKPRN	UK provider reference number	A	A
Mobility	MOBDURA	Mobility duration	See Table 3	N/A
Mobility	MOBSCHEME	Mobility scheme	See Table 3	N/A
Mobility	MOBTYPE	Mobility type	See Table 3	N/A
Module	FTE	Module FTE	N/A	W
Module	MODID	Module identifier	N/A	AF
Module	MTITLE	Module title	N/A	AK
Module	PCOLAB	Percentage not taught by this provider	N/A	AL
Module	TINST	Other provider providing teaching	N/A	AR

Entity	Field	Description	Column in individualised file	Column in modularised file
Module subject	COSTCN	HESA cost centre	N/A	U
Module subject	MODSBJP	Subject / HESA cost centre percentage	N/A	AH
Student	HUSID	HESA unique student identifier	B	B
Student	OWNSTU†	Provider's own internal identifier for the student	D	D
Student	UCASAPPID†	UCAS Application Number	I	I
Student	UCASPERID†	UCAS Personal Identifier	J	J
Student on module	MODSTAT	Module status	N/A	AI
Student on module	MODYR	Module year	N/A	AJ

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

Description of derived fields

19. Here we give details of the derived fields in the individualised files. These fields are used to build the key dimensions of the HESES re-creation tables.

Table 3: HESES comparison derived fields

Derived field name	Description	Paragraph	Column in individualised file	Column in modularised file
ANNIV	Anniversary of start date in academic year	24	AJ	N/A
EXCL1-EXCL1024	Exclusion reason(s)	77-87	AR-BB	N/A
FDBRIDGE	Student on a foundation degree bridging course	25	BC	V
FDTEACH	Student on a foundation degree teaching assistant course	66	BD	N/A
FTEA, FTEB, FTEC1, FTEC2, FTED	FTE of the year of instance assigned to each price group	76	BF-BJ	N/A
HESAVRGFTE	Average FTE	50	BN	N/A
HESAVRGFTEPOP	Average FTE population	47	BO	N/A
HESAVRGFTETYPE	Average FTE type	48-49	BP	N/A
HESBROADLEVEL	Broad level of study	93	BQ	
HESCLIN	Price group A clinical and veterinary students	70	BR	N/A
HESCOMP	Completion status	45	L	L
HESCRSELGTH	Expected length of the course in years	44	BS	N/A
HESEC	Indicates whether a student has a UK, other Home and EU, or other domicile.	41	BT	N/A
HESESFTE	FTE of the year of instance	56	M	M
HESEXCL	Reason(s) for exclusion from the HESES population	88	N	N

Derived field name	Description	Paragraph	Column in individualised file	Column in modularised file
HESFDBRIDGEYR	The year of instance is a foundation degree bridging course	32	BU	N/A
HESFTE_CASE	Method used to calculate HESESFTE	55	BV	X
HESHEALTHPOP	Identifies whether the student will be included in pre-registration nursing, midwifery and allied health profession courses	118	O	N/A
HESHEALTHPROF1 - HESHEALTHPROF2	Identifies which nursing, midwifery and allied health profession the student is recorded against	71	P-Q	N/A
HESHEALTHPROP1-HESHEALTHPROP2	The proportion of the student's activity that is allocated to each health profession	115 - 116	R-S	N/A
HESHEALTHYEAR	Indicates whether the student started their course in 2016-17, 2017-18 or another academic year	117	T	N/A
HESLEVEL	Level of study	40	U	O
HESLINK16	Link made to 2016-17 data	23	BW	N/A
HESMDV	Clinical and veterinary student	67	BX	N/A
HESMODE	Mode of study	39	V	P
HESMODYOI	Identifies whether the module is countable in the year of instance	58	N/A	Y
HESNEWENTRANT	Identifies whether a student is a new entrant	101	W	N/A
HESOVER	Primary derived field(s) being overwritten	119	BY	N/A

Derived field name	Description	Paragraph	Column in individualised file	Column in modularised file
HESPGR15	Number of postgraduate research (PGR) years of instance in 2015-16	100	BZ	N/A
HESPGR16	Number of PGR years of instance in 2016-17	97	CA	N/A
HESPGT15	Number of postgraduate taught (PGT) years of instance in 2015-16	99	CB	N/A
HESPGT16	Number of PGT years of instance in 2016-17	96	CC	N/A
HESPROP	Proportion of STULOAD counted in the year of instance	54	CD	N/A
HESREG	HESES Column 1 or 2 indicator	46	X	Q
HESRESSTAT	Fundability and residential status	93	Y	N/A
HESSUBCONTRACT	Indicates whether part or all of year of instance is subcontracted to another provider	106	Z	N/A
HESTOTWORKWKS	Total number of weeks spent working abroad	38	CE	N/A
HESTYPE	Fundability status	43	AA	R
HESUG15	Number of undergraduate (UG) years of instance in 2015-16	98	CF	N/A
HESUG16	Number of UG years of instance in 2016-17	95	CG	N/A
HESWORKWKSX$^{\Omega}$	Maximum number of weeks that may be spent working abroad for each mobility experience	37	CH-CJ	N/A
HESYAMOBSCHEME	Identifies if the year of instance is on an Erasmus+ scheme	90	CK	N/A

Derived field name	Description	Paragraph	Column in individualised file	Column in modularised file
HESYAPOP	Indicates whether year of instance is included in the count of Table 4 years abroad	92	AB	N/A
HESYATYPE	Type of fee charged to students spending a year abroad	91	AC	N/A
HESYRZERO	The year in which a student last took a foundation year	68	CL	N/A
HESYRZEROADJ	Indicates whether the student has taken a foundation year	69	CM	N/A
HHCOSTCN	HESES re-creation HESA cost centre	64	N/A	Z
HHPER	HESES re-creation percentage of the module	62	N/A	AA
HHPRP	HESES re-creation proportion of FTE in each HESA cost centre x subject combination	63	N/A	AB
INSTAPP16	2016-17 approximation indicator	26	CQ	N/A
LENGTH	Long or standard length year of instance	42	AD	S
LOADYRB16	FTE in year B for 2016-17	28	CT	N/A
MOBDURAX$^\Omega$	Elapsed length in weeks of the mobility experience	35	CX-CZ	N/A
MOBSCHEMEX$^\Omega$	Type of mobility scheme	36	DA-DC	N/A
MOBTYPEXY$^\Omega$	Type of mobility experiences	34	DD-DL	N/A
MODFTE	Module FTE countable in the year of instance	59	N/A	AE
MODFTESBJP	Module FTE for each subject	60	N/A	N/A

Derived field name	Description	Paragraph	Column in individualised file	Column in modularised file
PRGA, PRGB, PRGC1, PRGC2, PRGD	Proportion of countable year in each price group	74	AE-AI	N/A
PRGFTE	Proportion of FTE	73	N/A	AM
PRGMOD	Assignment of modules to price group categories		N/A	AN
PRGMODVET, PRGMODB, PRGMODC1, PRGMODC2, PRGMODD	Proportion of activity in each price group	72	DR DN DO DP DQ	N/A
STUBID	Unique countable year of instance identifier	30	K	K
STULOAD16	STULOAD value from the 2016-17 HESA record	27	ED	N/A
TINSTMODFTESBJP	Module subject FTE attributable to subcontractual provider	103	N/A	AS
TINSTPROP	Proportion of subcontracted FTE attributable to TINST	105	N/A	AT
TOTMODFTE	Total module FTE for the year of instance	61	EF	AN
TOTTINSTMODFTE	Total FTE for modules taught at other providers	104	N/A	AV
TYPEYR16	TYPEYR for the 2016-17 academic year	29	EH	AX

$^\Omega$ The number of occurrences of this field is restricted to 3.

Linking between years

20. We have linked the 2017-18 HESA data to earlier years' data using UKPRN, HUSID and NUMHUS. This is to help account for definitional differences between HESA and HESES data. Where records have been linked to 2016-17 HESA data by this method, HESLINK16 will be set to 1.

21. The data from earlier years will be used to help determine the FTE for some students on standard years of instance who were on a non-standard year of instance in the previous year and for students on medical or dental programmes that have taken a foundation year.

22. We have also linked 2017-18 HESA data to 2016-17 and 2015-16 HESA data using the fields UKPRN and HUSID, for the purpose of deriving HESNEWENTRANT

Tables 1-3 re-creation algorithms

HESLINK16

23. This field indicates if a successful link was made between the 2017-18 data and 2016-17 data that may inform the calculation of FTE for some students.

Value	Description
1	A link was made to 2016-17 data using the method described in paragraphs 20-21 of this document
0	Otherwise

ANNIV

24. This field contains the anniversary of the start date (COMDATE) during the current academic year.

FDBRIDGE

25. This field identifies students on foundation degree bridging courses that form part, but not all, of the instance.

Value	Description	Definition
1	Student generates countable foundation degree bridging course	BRIDGE = 1 and COURSEAIM ≠ H90, I90, J90
0	Otherwise	Otherwise

INSTAPP16

26. This field contains the indicator for funding approximations for 2016-17 (2016-17 INSTAPP).

STULOAD16

27. This field contains the student instance FTE for 2016-17 (2016-17 STULOAD).

LOADYRB16

28. This field contains the FTE in year B for 2016-17 (2016-17 LOADYRB).

TYPEYR16

29. This field contains the value of the type of instance year for 2016-17 (2016-17 TYPEYR).

STUBID

30. This field uniquely identifies years of instance when used in conjunction with UKPRN, HUSID and NUMHUS. Where the HESA data generates two years of instance within a single academic year we create two records in the individualised file. This can happen where either the student is on a foundation degree bridging course that is countable in the year of instance,

or the student undertakes activity both before and after the anniversary of their commencement date and has not undertaken activity in the first year of instance in the previous academic year. These records are distinguished using STUBID.

Value	Description	Definition

1	First countable year of instance	FDBRIDGE = 1 or
		(LOADYRA ≠ 0, BLANK and LOADYRB ≠ 0, BLANK and
		    ((LOADYRB16 = 0 and INSTAPP16 = 1) or
		        ((STULOAD16 = 0 or HESLINK16 = 0) and
		COMDATE < 1 August 2016)))

2	Second countable year of instance	FDBRIDGE = 1 or
		(LOADYRA ≠ 0, BLANK and LOADYRB ≠ 0, BLANK and
		    ((LOADYRB16 = 0 and INSTAPP16 = 1) or
		        ((STULOAD16 = 0 or HESLINK16 = 0) and
		COMDATE < 1 August 2016)))

0	One countable year of instance	Otherwise

Example of a student who would generate two countable years

31. An undergraduate has an anniversary of commencement (ANNIV) of 1 January 2017. The student was active in the 2015-16 academic year until 1 June 2016 and recommenced activity on 1 August 2017, resulting in no activity in the 2016-17 academic year. The student generated an FTE of 0.25 between 1 August 2017 and 31 December 2017, and generated an FTE of 0.5 between 1 January 2017 and 31 July 2017. The HESA return for this student would (if they choose not to rely on our approximations, INSTAPP = 1) contain the following field values:

HESA field	2016-17 HESA return	2017-18 HESA return
LOADYRA	0	025.0
LOADYRB	0	050.0
INSTAPP	1	1

HESFDBRIDGEYR

32. This field indicates that the year of instance is a foundation degree bridging course.

Value	Description	Definition
1	Year of instance is a foundation degree bridging course	FDBRIDGE = 1 and STUBID = 1
0	Otherwise	Otherwise

INITIATIVES1-2

33. These fields identify students who are part of a specific scheme.

MOBTYPEXY

34. These fields record the type of mobility experiences, where X denotes the mobility entity and Y denotes the occurrence of mobility type (MOBTYPE) within the mobility entity. For example, MOBTYPE21 is the first MOBTYPE occurrence from the second mobility entity. The number of mobility entities is unbounded; due to file size restrictions we only show the three mobility entities with the longest duration.

MOBDURAX

35. These fields record the elapsed length in weeks of the mobility experience, where X denotes the mobility entity. For example, MOBDURA2 is the mobility duration field (MOBDURA) from the second mobility entity. The number of mobility entities is unbounded; due to file size restrictions we show only the three mobility entities with the longest duration.

MOBSCHEMEX

36. These fields record the type of the mobility scheme that the student is on, where X denotes the mobility entity. For example, MOBSCHEME2 is the mobility scheme field (MOBSCHEME) from the second mobility entity. The number of mobility entities is unbounded; due to file size restrictions we only show the three mobility entities with the longest duration.

HESWORKWKSX

37. These fields record the maximum number of weeks that may be spent working abroad for each mobility experience, where X denotes the mobility entity. The total number of mobility entities is unbounded; due to file size restrictions we only show the three mobility entities with the longest duration. The calculation uses all mobility entities.

Value	Description	Definition
MOBDURAX	The mobility experience is spent working	MOBTYPEX1 = 02, 03 or MOBTYPEX2 = 02, 03 or MOBTYPEX3 = 02, 03
0	The mobility experience is not spent working	Otherwise

HESTOTWORKWKS

38. This field records the total number of weeks spent working. HESTOTWORKWKS = sum of all HESWORKWKSX, including those not shown in the individualised file (due to the file size restriction).

HESMODE

39. This field allocates students to a mode of study.

Value	Description	Definition

FTS	Full-time	HESFDBRIDGEYR ≠ 1 and
		(MODE = 01 or
		    (MODE = 43, 51, 73 and MCDATE ≠ BLANK
		                 and MCDATE > ANNIV + 168)
		    or (MODE = 23, 24 and SPECFEE ≠ 1 and
		              (SPECFEE ≠ 3 or HESTOTWORKWKS < 21)))

SWOUT	Sandwich year-out	HESFDBRIDGEYR ≠ 1 and MODE = 23, 24 and (SPECFEE = 1 or (SPECFEE = 3 and HESTOTWORKWKS > 20))
PT	Part-time	Otherwise

HESLEVEL

40. This field allocates students to a 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
PGT_ML	Postgraduate taught course eligible for masters loans	FUNDLEV = 20, 21 and (INITIATIVES1 = U or INITIATIVES2 = U)
PGT_OTH	Postgraduate taught course that does not fall under the previous two categories	FUNDLEV = 20, 21 and SPECFEE = 9, BLANK and not above
PGR	Postgraduate research	FUNDLEV = 30, 31

HESEC

41. 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

LENGTH

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

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

HESTYPE

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

Value	Description	Definition

HOMENF	Home and EU non-fundable	(FUNDCODE = 1 and HESLEVEL = PGR) or
		(FUNDCODE = 2, 5, 7 and
		    (FEEELIG = 1 or
		        (FEEELIG = 3 and HESEC = OEU, UK))) or
		(UKPRN = 10007773
		and FUNDCODE = 1 and DOMICILE = XG, XH, XI)

HOMEF	Home and EU fundable	FUNDCODE = 1 and not above
ISOV	Island and overseas	Otherwise

HESCRSELGTH

44. This field contains the expected length of the course in whole numbers of years. 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 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.

Value	Definition
SPLENGTH	UNITLGTH = 1
SPLENGTH / 12	UNITLGTH = 2
SPLENGTH / 52	UNITLGTH = 3
6	UNITLGTH = 9
1	Otherwise

HESCOMP

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

Value	Description	Definition
4	Column 4 student	FUNDCOMP ≠ 2 or (HESFDBRIDGEYR = 1 and COURSEAIM = H00, H11, H12, H16, H18, H22, H23, M22, M26) or (FDBRIDGE = 1 and HESFDBRIDGEYR = 0 and COURSEAIM = J10, J16)
3	Column 3 student	Otherwise

HESREG

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

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

HESAVRGFTEPOP

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

Value	Description	Definition
1	In the 2017-18 average FTE population	TYPEYR ≠ 1 and COMDATE < 1 August 2017 and ENDDATE = BLANK and HESCOMP ≠ 3 and STULOAD ≠ 0 and FUNDLEV ≠ 99 and FUNDCOMP ≠ 9 and MODE ≠ 43, 44, 51, 63, 64, 73, 74, 98 and HESMODE = PT
0	Otherwise	Otherwise

Calculation of FTE

HESAVRGFTETYPE

48. This field identifies the level at which HESAVRGFTE is calculated for the student.

Value	Description
1	More than 9 students over provider (UKPRN), course aim (COURSEAIM), mode (MODE), expected length of the course in years (HESCRSELGTH) with HESAVRGFTEPOP = 1
2	More than 9 students in the 2017-18 average FTE population match over provider (UKPRN), course aim (COURSEAIM) with HESAVRGFTEPOP = 1 and not above
3	More than 9 students in the 2017-18 average FTE population match over provider (UKPRN) and level of study (HESLEVEL) with HESAVRGFTEPOP = 1 and not above
4	Level of study (HESLEVEL) in the 2016-17 average FTE population and not above (for Levels of study PGT_ML and PGT_OTH records will be matched with the PGT average FTE population from 2016-17).

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

> 2016-17 TYPEYR ≠ 1 and
> 2016-17 COMDATE < 1 August 2016 and
> 2016-17 ENDDATE = BLANK and
> 2016-17 HESCOMP ≠ 3 and
> 2016-17 HESEXCL = 0 and
> 2016-17 MODE ≠ 43, 44, 51, 73, 74 and
> 2016-17 HESMODE = PT

HESAVRGFTE

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

Example

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

UKPRN	COURSEAIM	MODE	HESCRSELGTH	TOTAL
10000000	H00	31	2	9
10000000	H00	31	3	12
10000000	H00	31	1	25

52. For a student at this provider with COURSEAIM = H00, MODE = 31, HESCRSELGTH = 1, HESAVRGFTETYPE would be 1 as there are more than 9 students in the average FTE population that match on COURSEAIM, MODE and HESCRSELGTH.

53. For a student at this provider with COURSEAIM = H00, MODE = 31, HESCRSELGTH = 2, HESAVRGFTETYPE would be 2 as there are fewer than 10 students in the average FTE population that match on COURSEAIM, MODE and HESCRSELGTH, but there are more than 9 (46) that match on COURSEAIM alone.

HESPROP

54. This field contains the estimate of the proportion of STULOAD that is allocated to the countable year of instance and is mainly used for students in their final year. HESPROP is calculated as (ENDDATE – ANNIV) / (ENDDATE - 31 July 2017). Where ENDDATE is BLANK we will assume a date of 31 July 2017 in this calculation. If ENDDATE is before ANNIV then HESPROP equals 0. While this field is calculated for all records, the value is only meaningful for students who are on a standard year of instance in the current year and were on a non-standard year of instance in the previous year.

HESFTE_CASE

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

   a. Number of countable years of instance generated in the HESES re-creation.

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

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

   d. Whether the provider has chosen to rely on the known approximations in our algorithms.

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

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

Value	Description	Definition
0	Standard year of instance and standard year of instance in the previous academic year	(STUBID = 0 or (STUBID = 2 and FDBRIDGE = 1)) and TYPEYR = 1 and TYPEYR16 = 1, BLANK
1	Standard year of instance and non-standard year of instance in the previous academic year and a provider that has chosen to rely on the approximations in our algorithms	(STUBID = 0 or (STUBID = 2 and FDBRIDGE = 1)) and TYPEYR = 1 and TYPEYR16 = 2, 3, 4 and (INSTAPP = 0 or LOADYRB = 0, BLANK)
2	Standard year of instance and non-standard year of instance in the previous academic year and an provider that has chosen not to rely on the approximations in our algorithms	(STUBID = 0 or (STUBID = 2 and FDBRIDGE = 1)) and TYPEYR = 1 and TYPEYR16 = 2, 3, 4 and INSTAPP = 1 and LOADYRB ≠ 0, BLANK
3	Non-standard year of instance and an instance that starts in the current academic year	(STUBID = 0 or (STUBID = 2 and FDBRIDGE = 1)) and TYPEYR = 2, 3 and COMDATE > 31 July 2017
4	Non-standard year of instance and an instance that does not start in the current academic year	(STUBID = 0 or (STUBID = 2 and FDBRIDGE = 1)) and TYPEYR = 2, 4, 5 and COMDATE < 1 August 2017

Two years of instance are generated from one record and the provider has chosen not to rely on the approximations in our algorithms

Value	Description	Definition
5a	First countable year of instance	STUBID = 1 and FDBRIDGE ≠ 1 and INSTAPP = 1
5b	Second countable year is a standard year of instance	STUBID = 2 and TYPEYR = 1 and FDBRIDGE ≠ 1 and INSTAPP = 1
5c	Second countable year is a non-standard year of instance	STUBID = 2 and TYPEYR = 2, 4 and FDBRIDGE ≠ 1 and INSTAPP = 1

HESESFTE

56. This field contains the FTE counted in the year of instance. HESESFTE is capped at 100.

Value	Definition
100	HESMODE = FTS
50	HESMODE = SWOUT
30	HESFDBRIDGEYR = 1
STULOAD	HESFTE_CASE = 0 and not above
STULOAD x HESPROP	HESFTE_CASE = 1 and not above
LOADYRB	HESFTE_CASE = 2 and not above
HESAVRGFTE	HESFTE_CASE = 3 and not above
STULOAD	HESFTE_CASE = 4 and not above
LOADYRA	HESFTE_CASE = 5a and not above
LOADYRB	HESFTE_CASE = 5b and not above
STULOAD	HESFTE_CASE = 5c and not above

57. For students generating two countable years, where one of the years is a foundation degree bridging course, for part-time students we will reduce the HESESFTE given in the table above by 30 for the other instance (FDBRIDGE = 1 and STUBID = 2, and HESFTE_CASE = 0, 1, 4).

Calculation of price groups

HESMODYOI

58. This field identifies whether the module is countable in the year of instance.

Value	Description	Definition

1	Countable in year of instance	MODSTAT ≠ 4 and
		((HESFTE_CASE = 2, 5b and MODYR = 20, 30, BLANK)
		    or (HESFTE_CASE = 5a and MODYR = 10, BLANK)
		    or HESFTE_CASE ≠ 2, 5a, 5b)

0	Not countable in the year of instance	Otherwise

MODFTE

59. This field contains the module FTE that is countable in the year of instance.

Value	Description	Definition
FTE	2017-18 FTE countable in year of instance	HESMODYOI = 1
0	2017-18 FTE not countable in the year of instance	Otherwise

MODFTESBJP

60. This field contains the module FTE for each subject that is countable in the year of instance. It is calculated as MODFTE x (MODSBJP/100).

TOTMODFTE

61. This field contains the sum of the module FTE across all modules for the year of instance. TOTMODFTE = sum of MODFTESBJP values for each combination of UKPRN, HUSID, NUMHUS and STUBID.

HHPER

62. These fields indicate the module subject/HESA cost centre percentages that will contribute towards the year of instance.

Value	Description	Definition
MODSBJP	Subject/HESA cost centre percentage is countable in the year of instance	HESMODYOI = 1
0	Subject/HESA cost centre percentage is not countable in the year of instance	Otherwise

HHPRP

63. This field evaluates the proportion of TOTMODFTE in each module HESA cost centre/subject combination. It is calculated as HHPER x (MODFTE/TOTMODFTE).

HHCOSTCN

64. This field contains the HESA cost centre that will contribute towards the year of instance. In this algorithm MODYR and MODSTAT refer to the particular module that the subject data was taken from.

Value	Description	Definition
COSTCN	HESA cost centre is countable in the year of instance	HESMODYOI = 1
0	HESA cost centre is not countable in the year of instance	Otherwise

PRGMOD

65. This field contains the assignment of modules to HESA cost centre-based price group categories.

Value	Description	Definition
VET	Veterinary science	HHCOSTCN = 109
B	HESA cost centre-based price group B	HHCOSTCN = 101, 102, 106, 107, 110, 111, 112, 113, 114, 115, 116, 117, 118, 119, 120
C1	HESA cost centre-based price group C1	HHCOSTCN = 121, 126, 143, 144, 145
C2	HESA cost centre-based price group C2	HHCOSTCN = 103, 104, 105, 108, 122, 123, 124, 134, 137
D	HESA cost centre-based price group D	HHCOSTCN = 125, 127, 128, 129, 130, 131, 132, 133, 135, 136, 138, 139, 140, 141, 142, 999

FDTEACH

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

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

HESMDV

67. This field identifies undergraduate clinical and pre-clinical medical, dentistry and veterinary science students.

Value	Description	Definition
UMED	Undergraduate medic	FUNDLEV = 10, 11 and COURSEAIM = H16, I16, M16, M26, M86 and (REGBODY1 = 01 or REGBODY2 = 01) and (SBJCA1 = A100, A300 or SBJCA2 = A100, A300 or SBJCA3 = A100, A300)
UDEN	Undergraduate dentist	FUNDLEV = 10, 11 and COURSEAIM = H16, I16, M16, M26, M86 and (REGBODY1 = 30 or REGBODY2 = 30) and (SBJCA1 = A200, A400 or SBJCA2 = A200, A400 or SBJCA3 = A200, A400)
UVET	Undergraduate veterinary science	FUNDLEV = 10, 11 and COURSEAIM = H16, I16, M16, M26, M86 and (REGBODY1 = 14 or REGBODY2 = 14) and (SBJCA1* = D1, D2 or SBJCA2* = D1, D2 or SBJCA3* = D1, D2)
OTH	Otherwise	Otherwise

* Only the first two characters of this field are used.

HESYRZERO

68. This field indicates the year in which a student last took a foundation year (YEARPRG = 0) as part of this instance. For students who have not taken a foundation year, this field is blank. We have linked back to 2005-06 HESA Student data.

HESYRZEROADJ

69. This field indicates whether the student took a foundation year (YEARPRG = 0) as part of this instance since 2005-06.

Value	Description	Definition
1	Foundation year taken as part of instance	HESYRZERO ≠ BLANK or YEARPRG = 0
0	Otherwise	Otherwise

HESCLIN

70. This field identifies clinical medical, dentistry and veterinary science students who are assigned to price group A.

Value	Description	Definition
1	Undergraduate clinical, dentistry or veterinary science student assigned to price group A	(HESMDV = UMED and (HESCRSELGTH – YEARPRG – HESYRZEROADJ) = 0, 1, 2) or (HESMDV = UDEN and (HESCRSELGTH – YEARPRG – HESYRZEROADJ) = 0, 1, 2, 3) or (HESMDV = UVET and (HESCRSELGTH – YEARPRG – HESYRZEROADJ) = 0, 1, 2, 3, 4)
2	Postgraduate clinical or dentistry student assigned to price group A	FUNDLEV = 20, 21, 30, 31 and (SBJCA1 = A300, A400, C842, C845 or SBJCA2 = A300, A400, C842, C845 or SBJCA3 = A300, A400, C842, C845)
3	Postgraduate veterinary science student	FUNDLEV = 20, 21, 30, 31 and (SBJCA1* = D2 or SBJCA2* = D2 or SBJCA3* = D2)
0	Otherwise	Otherwise

* Only the first two characters of this field are used.

HESHEALTHPROFX

71. These fields identify the profession(s) of the nursing, midwifery and allied health course, where X is equal to 1 or 2.

Value	Description	Definition
DENTHE	Dental therapy	REGBODYX = 36
DENHYG	Dental hygiene	REGBODYX = 37
DIETET	Dietetics	REGBODYX = 44
NURSUN	Nursing - unclassified	REGBODYX = 06
NURSAD	Nursing - adult	REGBODYX = 61
NURSCH	Nursing - children	REGBODYX = 62
NURSLD	Nursing - learning disability	REGBODYX = 63
NURSMH	Nursing - mental health	REGBODYX = 64
MIDWIF	Midwifery	REGBODYX = 65
OCCTHE	Occupational therapy	REGBODYX = 46
OPDEPT	Operating department practice	REGBODYX = 47
ORTHOP	Orthoptics	REGBODYX = 48
ORTPRO	Orthotics and prosthetics	REGBODYX = 52
PHYSIO	Physiotherapy	REGBODYX = 50
PODCHI	Podiatry and chiropody	REGBODYX = 42

Value	Description	Definition
RADTHE	Radiography (therapeutic)	REGBODYX = 56
RADDIA	Radiography (diagnostic)	REGBODYX = 57
SPELAN	Speech and language therapy	REGBODYX = 55
BLANK	Otherwise	Otherwise

PRGMODVET, PRGMODB, PRGMODC1, PRGMODC2, PRGMODD

72. The proportion of activity in each module-based price group is calculated by mapping HESA cost centre codes to price groups and summing the values of HHPRP for each module-based price group.

Field name	Definition	Value
PRGMODVET	PRGMOD = VET	sum of HHPRPs/100
PRGMODB	PRGMOD = B	sum of HHPRPs/100
PRGMODC1	PRGMOD = C1	sum of HHPRPs/100
PRGMODC2	PRGMOD = C2	sum of HHPRPs/100
PRGMODD	PRGMOD = D	sum of HHPRPs/100

PRGFTE

73. This field contains the amount of FTE, with respect to HESESFTE, assigned to the price group for each module subject combination. This is calculated as HESESFTE * (HHPRP/100).

PRGA, PRGB, PRGC1, PRGC2, PRGD

74. The proportion of activity in each price group.

Field name	Definition	Value
PRGA	HESCLIN = 1, 2	1
PRGC2	HESMODE = SWOUT or TTCID = 1, 2, Q or (QTS = 4 and TTCID = 5) or FDTEACH = 1 or (REGBODY1 = 09, 10, 11, 54 or REGBODY2 = 09, 10, 11, 54) and not above	1
PRGB	COURSEAIM = H16 ,H62, I16, J26, M16, M26, M86 and (HESHEALTHPROF1 = DIETET, MIDWIF, OCCTHE, OPDEPT, ORTHOP, ORTPRO, PHYSIO, PODCHI, RADTHE, RADDIA, SPELAN or HESHEALTHPROF2 = DIETET, MIDWIF, OCCTHE, OPDEPT, ORTHOP, ORTPRO, PHYSIO, PODCHI, RADTHE, RADDIA, SPELAN) and not above	1

Field name	Definition	Value
PRGC1	COURSEAIM = H16 ,H62, I16, J26, M16, M26, M86 and (HESHEALTHPROF1 = NURSUN, NURSAD, NURSCH, NURSLD, NURSMH or HESHEALTHPROF2 = NURSUN, NURSAD, NURSCH, NURSLD, NURSMH) and not above	1
PRGA	HESCLIN = 3 and not above	PRGMODVET
PRGB	PRGMODB > 0 or PRGMODVET > 0 and not rows 1 to 4 above	PRGMODB + (PRGMODVET – PRGA)
PRGC1	PRGMODC1 > 0 and not rows 1 to 4 above	PRGMODC1
PRGC2	PRGMODC2 > 0 and not rows 1 to 4 above	PRGMODC2
PRGD	PRGMODD > 0 and not rows 1 to 4 above	PRGMODD

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

FTEA, FTEB, FTEC1, FTEC2, FTED

76. The FTE of the activity assigned to each price group is contained in the five FTE fields as shown in the table below. These fields are calculated by multiplying the appropriate price group field (PRGA, PRGB, PRGC1, PRGC2 and PRGD) by FTE (HESESFTE).

Field	Definition
FTEA	PRGA x HESESFTE
FTEB	PRGB x HESESFTE
FTEC1	PRGC1 x HESESFTE
FTEC2	PRGC2 x HESESFTE
FTED	PRGD x HESESFTE

Calculation of exclusion flags

EXCL1

77. Field indicating students who have left prior to the start of the academic year.

Value	Description	Definition
1	Student not active in academic year	ENDDATE ≠ BLANK and ENDDATE < 1 August 2017
0	Otherwise	Otherwise

EXCL2

78. Field indicating FE, NVQ or QTS only students.

Value	Description	Definition
1	FE, NVQ, QTS only or visiting student	COURSEAIM = C43, E40, H43, H91, I71, I91, J43, J45, L91, M43, M45, M91, P-X*
0	Otherwise	Otherwise

* First character of COURSEAIM.

EXCL4

79. Field indicating students with no qualification aim.

Value	Description	Definition
1	Student with no qualification aim	COURSEAIM = C99, H99, I99, J99, M99, Z99
0	Otherwise	Otherwise

EXCL8

80. Field indicating students explicitly excluded from the HESES population.

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

EXCL16

81. Field indicating students who are mostly taught outside of the UK.

Value	Description	Definition
1	Student taught mostly outside the UK	(LOCSDY = S or EXCHANGE = Z) and MSTUFEE ≠ 02, 03, 04, 52, 53, 54
0	Otherwise	Otherwise

EXCL32

82. Field indicating students who are dormant, on sabbatical or writing up.

Value	Description	Definition
1	Student who is dormant, on sabbatical or writing up	MODE = 63, 64 or (MODE = 43, 44, 51, 73, 74 and (MCDATE = BLANK or MCDATE < ANNIV + 14)) or STULOAD = 0
0	Otherwise	Otherwise

EXCL64

83. Field indicating incoming exchange students.

Value	Description	Definition
1	Incoming exchange student	EXCHANGE = 4, G
0	Otherwise	Otherwise

EXCL128

84. Field indicating students with an FTE of less than 0.03.

Value	Description	Definition
1	Student with an FTE of less than 0.03	HESESFTE < 3
0	Otherwise	Otherwise

EXCL256

85. Field indicating students on non-standard years of instance in their final academic year.

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

EXCL512

86. Field indicating students who withdrew before 2 December 2017 or left within 14 days of starting without completing.

Value	Description	Definition
1	Student who withdrew before 2 December 2017 or left within 14 days of starting without completing	REDUCEDI = 08 or (ENDDATE ≠ BLANK and ENDDATE < 2 December 2017 and FUNDCOMP = 2) or (ENDDATE ≠ BLANK and ENDDATE – COMDATE < 14 and FUNDCOMP = 2)
0	Otherwise	Otherwise

EXCL1024

87. Field indicating where the student has an FTE of at least 0.03 but does not have any HESA cost centre information.

Value	Description	Definition
1	No HESA cost centre information and FTE of at least 0.03	HESESFTE ≥ 3 and (PRGA + PRGB + PRGC1 + PRGC2 + PRGD) = 0
0	Otherwise	Otherwise

HESEXCL

88. This field indicates whether the student will be included in Tables 1 to 4 of the HESES re-creation. For students excluded from Tables 1 to 4 of the HESES re-creation, HESEXCL contains the sum of all applicable values from the table below.

Value	Description	Definition
1	Student not active in academic year	EXCL1 = 1
2	FE, NVQ, QTS only or visiting student	EXCL2 = 1
4	Student with no qualification aim	EXCL4 = 1
8	Student explicitly excluded from the HESES population	EXCL8 = 1
16	Student taught mostly outside the UK	EXCL16 = 1
32	Student who is dormant, sabbatical or writing up	EXCL32 = 1
64	Incoming exchange student	EXCL64 = 1
128	Student with an FTE of less than 0.03	EXCL128 = 1
256	Student on non-standard year of instance in final academic year	EXCL256 = 1
512	Student who withdrew before 2 December 2017 or left within 14 days of starting without completing	EXCL512 = 1
1024	No HESA cost centre information and FTE of at least 0.03	EXCL1024 = 1
0	Otherwise	None of the above

89. This field contains the exclusion reason(s) for the instance. It is calculated as (1 × EXCL1) + (2 × EXCL2) + ...+ (1024 × EXCL1024). The reason(s) which contribute to the exclusion of an instance can therefore be calculated. For example, if HESEXCL = 137, by subtracting figures from the above table and starting at the bottom, we see that the instance has an FTE of less than 0.03 (EXCL128 = 1), is explicitly excluded from the HESES population (EXCL8 = 1) and is not active in the academic year (EXCL1 = 1).

Table 4 re-creation algorithms

HESYAMOBSCHEME

90. This field identifies if the year of instance is on an Erasmus+ scheme. This includes the mobilities not explicitly shown in the individualised file.

Value	Description	Definition
1	Erasmus+ mobility scheme	At least one occurrence of MOBSCHEME = 03 across all mobilities
0	Otherwise	Otherwise

HESYATYPE

91. This field identifies Erasmus+ years abroad.

Value	Description	Definition
ERASMUS	Outgoing Erasmus+ year abroad	SPECFEE = 3 or HESYAMOBSCHEME = 1
OTHER	Otherwise	Otherwise

HESYAPOP

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

Value	Description	Definition
1	Student on year abroad	HESEXCL = 0 and HESLEVEL = UG and HESMODE = FTS, SWOUT and HESTYPE ≠ ISOV and (SPECFEE = 2, 3 or (SPECFEE = 1 and LOCSDY = T))
0	Otherwise	Otherwise

Table 5 re-creation algorithms

HESRESSTAT

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

Value	Description	Definition
HOMEF_UK	Fundable, UK-domiciled	HESTYPE = HOMEF and DOMICILE = XF, XG, XH, XI, XK
HOMEF_OTH	Fundable, other Home and EU	HESTYPE = HOMEF and not above
HOMENF_UK	Non-fundable, UK-domiciled	HESTYPE = HOMENF and DOMICILE = XF, XG, XH, XI, XK
HOMENF_OTH	Non-fundable, other Home and EU	HESTYPE = HOMENF and not above
ISOV	Island and overseas	HESTYPE = ISOV

HESBROADLEVEL

94. This field shows the broad level of study in 2017-18 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

HESUG16

95. This field indicates how many undergraduate taught years of instance were associated with the UKPRN and HUSID in the 2016-17 HESA Student record (HESLEVEL in 2016-17 = UG). This field will be blank if no HESA Student data is available for the provider in 2016-17.

HESPGT16

96. This field indicates how many postgraduate taught years of instance were associated with the UKPRN and HUSID in the 2016-17 HESA Student record (HESLEVEL in 2016-17 = PGT_ML, PGT_OTH, PGT_UGF). This field will be blank if no HESA Student data is available for the provider in 2016-17.

HESPGR16

97. This field indicates how many postgraduate research taught years of instance were associated with the UKPRN and HUSID in the 2016-17 HESA Student record (HESLEVEL in 2016-17 = PGR). This field will be blank if no HESA Student data is available for the provider in 2016-17.

HESUG15

98. This field indicates how many undergraduate taught years of instance were associated with the UKPRN and HUSID in the 2015-16 HESA Student record (HESLEVEL in 2015-16 = UG). This field will be blank if no HESA Student data is available for the provider in 2015-16.

HESPGT15

99. This field indicates how many postgraduate taught years of instance were associated with the UKPRN and HUSID in the 2015-16 HESA Student record (HESLEVEL in 2015-16 = PGT, PGT_UGF). This field will be blank if no HESA Student data is available for the provider in 2015-16.

HESPGR15

100. This field indicates how many postgraduate research taught years of instance were associated with the UKPRN and HUSID in the 2015-16 HESA Student record (HESLEVEL in 2015-16 = PGR). This field will be blank if no HESA Student data is available for the provider in 2015-16.

HESNEWENTRANT

101. This field indicates whether a student is a new entrant according to the definition in HESES17.

Value	Description	Definition
1	Has not been active at the same broad level at the registering provider in either of the two previous academic years, linked by UKPRN and HUSID.	COMDATE > 31 July 2017 and ((HESBROADLEVEL = UG and HESUG16 = 0, BLANK and HESUG15 = 0, BLANK) or (HESBROADLEVEL = PGT and HESPGT16 = 0, BLANK and HESPGT15 = 0, BLANK) or (HESBROADLEVEL = PGR and HESPGR16 = 0, BLANK and HESPGR15 = 0, BLANK))
0	Otherwise	Otherwise

102. Where a student starts more than one instance at the same broad level in the same academic year and could be considered as a new entrant for each instance they will be recorded as a new entrant for only one. If one such instance has an earlier start date than the others the student will be recorded as a new entrant for that instance.

Table 6 re-creation algorithms

TINSTMODFTESBJP

103. This field gives the FTE for the combination of module and subject that is attributable to the TINST value. It is calculated as MODFTESBJP x (PCOLAB/100).

TOTTINSTMODFTE

104. This field gives the total FTE for modules taught at providers other than the registering provider, which is calculated as the sum of the TINSTMODFTESBJP values for each combination of UKPRN, HUSID, NUMHUS and STUBID.

TINSTPROP

105. This field gives the proportion of the FTE taught at other providers that is attributable to the TINST value. This is calculated as TINSTMODFTESBJP/TOTTINSTMODFTE.

HESSUBCONTRACT

106. This field indicates whether any activity for the year of instance is taught at one or more other providers. This is calculated as the sum of TINSTPROP for each unique HUSID and NUMHUS.

Value	Description	Definition
1	Some or all activity for the year of instance is taught at one or more other providers.	Sum of TINSTPROP = 1
0	Otherwise	Otherwise

Example 1

107. A student takes 10 modules, each module has an FTE of 10. Half of the modules are taught entirely at the registering provider and half are taught entirely at provider YYYYYYYY.

108. The attributable FTE value for the subcontracted provider is calculated as MODFTESBJP*(PCOLAB/100).

TINST	MODFTESBJP	PCOLAB	TINSTMODFTESBJP
YYYYYYYY	10	100	10
YYYYYYYY	10	100	10
YYYYYYYY	10	100	10
YYYYYYYY	10	100	10
YYYYYYYY	10	100	10

109. The total FTE for modules taught at other providers for a year of instance would be the total of the attributable FTE value for each subcontracted provider (TOTTINSTMODFTE = 50). The proportion of FTE taught at each subcontracted provider is calculated as the total FTE for each subcontracted provider divided by the total FTE of subcontracted providers for each instance.

TINST	TINSTMODFTESBJP	TOTTINSTMODFTE	TINSTPROP
YYYYYYYY	10	50	10/50 = 0.2
YYYYYYYY	10	50	10/50 = 0.2
YYYYYYYY	10	50	10/50 = 0.2
YYYYYYYY	10	50	10/50 = 0.2
YYYYYYYY	10	50	10/50 = 0.2

110. If the sum of TINSTPROP for a student on an instance is 1 then this indicates that some or all activity for the year of instance is taught at one or more subcontracted providers (HESSUBCONTRACT = 1).

Example 2

111. A student takes two modules. Module 1 has an FTE value of 25 and Module 2 has an FTE value of 10. Provider YYYYYYYY teaches 100% of Module 1. Provider ZZZZZZZZ teaches 50% of Module 2. All other activity is taught by the registering provider.

112. The attributable FTE value for each subcontracted provider is calculated as MODFTESBJP*(PCOLAB/100).

TINST	MODFTESBJP	PCOLAB	TINSTMODFTESBJP
YYYYYYYY	25	100	25
ZZZZZZZZ	10	50	5

113. The total FTE for modules taught at other providers for a year of instance would be the total of the attributable FTE value for each subcontracted provider (TOTTINSTMODFTE = 30). The proportion of FTE taught at each subcontracted provider is calculated as the total FTE for each subcontracted provider divided by the total FTE of subcontracted providers for each instance.

TINST	TINSTMODFTESBJP	TOTTINSTMODFTE	TINSTPROP
YYYYYYYY	25	30	25/30 = 0.83
ZZZZZZZZ	5	30	5/30 = 0.17

114. If the sum of TINSTPROP for a student on an instance is 1 then this indicates that some or all activity for the year of instance is taught at one or more subcontracted providers (HESSUBCONTRACT = 1).

Tables 7a-7c re-creation algorithms

HESHEALTHPROP1

115. This field shows the proportion of the student's activity that is allocated to the health profession shown in HESHEALTHPROF1.

Value	Definition
1	(HESHEALTHPROF1 ≠ BLANK and HESHEALTHPROF2 = BLANK) or HESHEALTHPROF1 = DENTHE
0.5	HESHEALTHPROF1 ≠ BLANK and HESHEALTHPROF2 ≠ BLANK, DENTHE and not above
0	Otherwise

HESHEALTHPROP2

116. This field shows the proportion of the student's activity that is allocated to the health profession shown in HESHEALTHPROF2.

Value	Definition
1	(HESHEALTHPROF1 = BLANK and HESHEALTHPROF2 ≠ BLANK) or HESHEALTHPROF2 = DENTHE
0.5	HESHEALTHPROF1 ≠ BLANK, DENTHE and HESHEALTHPROF2 ≠ BLANK and not above
0	Otherwise

HESHEALTHYEAR

117. This field identifies whether the student started their course in 2016-17, 2017-18 or another academic year.

Value	Description	Definition
2016-17	Student started in the 2016-17 academic year	COMDATE > 31 July 2016 and COMDATE < 1 August 2017
2017-18	Student started in the 2017-18 academic year	COMDATE > 31 July 2017
OTHER	Otherwise	Otherwise

HESHEALTHPOP

118. This field identifies students that will be included in Tables 7a-7c and is based on whether students started in 2016-17 or 2017-18, level of study, fundability and residential status, and the profession of the pre-registration course. The population for Tables 7a-7c is defined in HESES17 (Annex F, paragraph 14).

Value	Description	Definition

1	Included in Table 7 population	HESEXCL = 0 and
		(UKPRN ≠ 10007773 or
		(UKPRN = 10007773 and DOMICILE ≠ XG, XH, XI))
		and (COURSEAIM = H16, H62, I16, J26, M16, M26, M86)
		and ((HESHEALTHYEAR = 2016-17 and
		    HESLEVEL = UG and
		      ((HESTYPE = HOMEF and
		        (HESHEALTHPROF1 = OCCTHE, OPDEPT, ORTHOP,
		                PHYSIO, RADDIA, RADTHE
		        or HESHEALTHPROF2 = OCCTHE, OPDEPT, ORTHOP,
		                PHYSIO, RADDIA, RADTHE))
		      or (HESTYPE = HOMENF and
		        (HESHEALTHPROF1 ≠ DENHYG, DENTHE, BLANK
		        and HESHEALTHPROF2 ≠ DENHYG, DENTHE, BLANK))))
		or (HESHEALTHYEAR = 2017-18 and
		    ((HESLEVEL = UG and
		      ((HESTYPE = HOMEF and
		        (HESHEALTHPROF1 ≠ BLANK
		        or HESHEALTHPROF2 ≠ BLANK))
		      or (HESTYPE = HOMENF and
		        (HESHEALTHPROF1 = DENHYG, DENTHE
		        or HESHEALTHPROF2 = DENHYG, DENTHE))
		      or (HESLEVEL = PGT_ML, PGT_OTH and
		      (HESTYPE = HOMEF and
		        HESHEALTHPROF1 = OCCTHE, OPDEPT, ORTHOP,
		                PHYSIO, RADDIA, RADTHE
		        or HESHEALTHPROF2 = OCCTHE, OPDEPT, ORTHOP,
		                PHYSIO, RADDIA, RADTHE))
		      or (HESTYPE = HOMENF and
		        (HESHEALTHPROF1 ≠ DENHYG, DENTHE, BLANK
		        and HESHEALTHPROF2 ≠ DENHYG, DENTHE, BLANK))))))

0	Otherwise	Otherwise

HESOVER

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

Value	Description
1	Override to HESCOMP
2	Override to HESESFTE
4	Override to HESEXCL
8	Override to HESLEVEL
16	Override to HESMODE
32	Override to HESREG
64	Override to HESTYPE

Value	Description
128	Override to HESYAPOP
256	Override to HESYATYPE
512	Override to LENGTH
1024	Overrides to PRGA-PRGD
2048	Override to STUBID
4096	Override to HESHEALTHPROP1/2
8192	Override to HESHEALTHPOP