2018-19 HESA student data checking tool

HESES18A comparison technical document

Contents

Summary

1. This document describes the Higher Education Students Early Statistics survey 2018-19 (HESES18A) comparison files generated by the 2018-19 Higher Education Statistics Agency (HESA) data checking tool and the algorithms used to generate the data needed to recreate HESES18A from 2018-19 HESA student data.

2. The HESES18A comparison outputs can be used by higher education providers to verify and correct their 2018-19 individualised student data before signing off the final data 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 2018-19 (https://www.hesa.ac.uk/collection/c18051), 'HESES18 Higher Education Students Early Statistics survey 2018-19' (www.officeforstudents.org.uk/publications/heses18-higher-education-students-early-statistics-survey-2018-19/), and the latest individualised files for the HESES17 comparison and the HESES16 comparison to hand when using this document.

4. The HESES18A comparison is formed of three files. These are:

   a. HESES18A comparison workbook 'HES18A_DCT_XXXXXXXX.xlsx'.
   b. HESES18A comparison modularised file 'HES18A_DCT_XXXXXXXX_MOD.csv'.
   c. HESES18A comparison individualised file 'HES18A_DCT_XXXXXXXX_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 emailed to the named student data contacts at providers when outputs become available.

Changes from the HESES17 comparison

6. This section describes any changes to the outputs and algorithms since the equivalent was published for the 2017-18 HESA Student post-collection outputs, available here: https://www.officeforstudents.org.uk/data-and-analysis/post-collection-outputs/hesa-student-post-collection-outputs/ under 'Documentation'. Any additions are shown as **bold and underlined**.

7. The definitions of HESUG17, HESPGT17, HESPGR17, HESUG16, HESPGT16 and HESPGR16 have been updated to indicate how many taught years of instance **for a higher education course recognised for OfS funding purposes** were associated with the UKPRN and HUSID in the 2016-17 and 2017-18 HESA Student record.

8. In apportioning activity to price groups, students on pre-registration courses that lead to a first registration with the General Dental Council (GDC) as a professional in dental therapy and dental hygiene are now entirely attributed to price group A.

Field name	Definition	Value
PRGA	HESCLIN = 1, 2 **or** **(COURSEAIM = H16 ,H62, I16, J26, M16, M26, M86 and** **(HESHEALTHPROF1 = DENHYG,DENTHE or** **HESHEALTHPROF2 = DENHYG,DENTHE))**	1
PRGC2	HESMODE = SWOUT or TTCID = 1, 2, Q or (QTS = 4 and TTCID = 5) or FDTEACH = 1 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
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
PRGC2	REGBODY1 = 09, 10, 11, 54 or REGBODY2 = 09, 10, 11, 54 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

9. The HESHEALTHYEAR field has an additional value of '2018-19' to account for the third cohort of students on pre-registration nursing, midwifery and allied health courses where funding responsibility has transferred to the Office for Students (OfS).

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 **and COMDATE < 1 August 2018**
2018-19	**Student started in the 2018-19 academic year**	**COMDATE > 31 July 2018** **and COMDATE < 1 August 2019**

Value	Description	Definition
OTHER	Otherwise	Otherwise

10. 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, **HOMENF** and (HESHEALTHPROF1 ≠ BLANK or HESHEALTHPROF2 ≠ BLANK))) or (HESLEVEL = PGT_UGF, 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)))))) **or (HESHEALTHYEAR = 2018-19 and** **((HESLEVEL = UG and** **(HESTYPE = HOMEF, HOMENF and** **(HESHEALTHPROF1 ≠ BLANK** **or HESHEALTHPROF2 ≠ BLANK)))** **or (HESLEVEL = PGT_UGF, PGT_ML, PGT_OTH and** **(HESTYPE = HOMEF, HOMENF and** **(HESHEALTHPROF1 ≠ DENHYG, DENTHE, BLANK** **or HESHEALTHPROF2 ≠ DENHYG, DENTHE, BLANK))))))**
0	Otherwise	Otherwise

11. The algorithm HESLEVEL, value PGT_UGF has been updated to account for pre-registration postgraduate health starters in 2017-18, with the HESA field SPECFEE = 9. The algorithm now

uses the derived fields HESTYPE and HESHEALTHYEAR, therefore they are now derived before HESLEVEL.

12. The HESTYPE algorithm has been updated to use FUNDLEV = 30,31 instead of HESLEVEL = PGR.

Value	Description	Definition
HOMENF	Home and EU non-fundable	(FUNDCODE = 1 and **FUNDLEV = 30,31**) 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

13. The HESLEVEL algorithm has been updated for two values. Firstly, due to a change in the HESA guidance, for the HESA field INITIATIVES, code 'U' between 2017-18 and 2018-19. This change affected the value PGT_ML.

14. Secondly, an update was made to the value PGT_UGF to reflect that pre-registration health students should be given a value of PGT_UGF.

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 **or ((REGBODY1 = 44, 06, 61, 62, 63, 64, 65, 46, 47, 48, 52, 50, 42, 56, 57, 55** **or REGBODY2 = 44, 06, 61, 62, 63, 64, 65, 46, 47, 48, 52, 50, 42, 56, 57, 55) and** **COURSEAIM = M16, M26, M86))**
PGT_ML	Postgraduate taught course eligible for masters loans	FUNDLEV = 20, 21 and (INITIATIVES1 = U or INITIATIVES2 = U) and **(COURSEAIM = M00, M01, M10, M11, M88 or** **(COURSEAIM = M16** **and REGBODY1 ≠ 44, 06, 61, 62, 63, 64, 65, 46, 47, 48, 52, 50, 42, 56, 57, 55** **and REGBODY2 ≠ 44, 06, 61, 62, 63, 64, 65, 46, 47, 48, 52, 50, 42, 56, 57, 55))**
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

HESES18A comparison workbook

15. The HESES18A comparison is the Excel workbook HES18A_DCT_XXXXXXXX.xlsx (where XXXXXXXX denotes the UK Provider Reference Number (UKPRN)) which contains the following worksheets:

Table 1: Worksheets in the HESES18A comparison workbook

Workbook tab*	Title
Information	Workbook information
Key differences	Key differences between HESES18A and HESES18A recreated using 2018-19 HESA data
Rebuild information	Comparison of HESES18A data and the recreated HESES18A data with rebuild instructions
1 Full-time	HESES18A recreation Table 1: Full-time counts of years of instance
2 Sandwich	HESES18A recreation Table 2: Sandwich year out counts of years of instance
3 Part-time	HESES18A recreation Table 3: Part-time counts of years of instance and FTE
4 Year abroad	HESES18A recreation Table 4: Home and EU undergraduate years abroad
5 Planning	HESES18A recreation Table 5: Further student breakdowns for planning purposes
6 Subcontractual	HESES18A recreation Table 6: Years of instance taught under subcontractual arrangements by other providers
7a Health	HESES18A recreation Table 7a: Full-time counts of years of instance for 2016-17, 2017-18 and 2018-19 starters on pre-registration health courses
7b Health	HESES18A recreation Table 7b: Sandwich year out counts of years of instance for 2016-17, 2017-18 and 2018-19 starters on pre-registration health courses
7c Health	HESES18A recreation Table 7c: Part-time counts of years of instance for 2016-17, 2017-18 and 2018-19 starters on pre-registration health courses
h1 Full-time	HESES18A Table 1: Full-time counts of years of instance
h2 Sandwich	HESES18A Table 2: Sandwich year out counts of years of instance
h3 Part-time	HESES18A Table 3: Part-time counts of years of instance and FTE
h4 Year abroad	HESES18A Table 4: Home and EU undergraduate years abroad
h5 Planning	HESES18A Table 5: Further student breakdowns for planning purposes

Workbook tab*	Title
h6 Subcontractual	HESES18A Table 6: Years of instance taught under subcontractual arrangements by other providers
h7a Health	HESES18A Table 7a: Full-time counts of years of instance 2016-17, 2017-18 and 2018-19 starters on pre-registration health courses
h7b Health	HESES18A Table 7b: Sandwich year out counts of years of instance for 2016-17, 2017-18 and 2018-19 starters on pre-registration health courses
h7c Health	HESES18A Table 7c: Part-time counts of years of instance 2016-17, 201718 and 2018-19 starters on pre-registration health courses
1 Full-time diff	Difference between HESES18A and HESES18A recreation Table 1: Full-time counts of years of instance
2 Sandwich diff	Difference between HESES18A and HESES18A recreation Table 2: Sandwich year out counts of years of instance
3 Part-time diff	Difference between HESES18A and HESES18A recreation Table 3: Part-time counts of years of instance and FTE
4 Year abroad diff	Difference between HESES18A and HESES18A recreation Table 4: Home and EU undergraduate years abroad
5 Planning diff	Difference between HESES18A and HESES18A recreation Table 5: Further student breakdowns for planning purposes
6 Subcontractual diff	Difference between HESES18A and HESES18A recreation Table 6: Years of instance taught under subcontractual arrangements by other providers
7a Health diff	Difference between HESES18A and HESES18A recreation Table 7a: Full-time counts of years of instance for 2016-17, 2017-18 and 2018-19 starters on pre-registration health courses
7b Health diff	Difference between HESES18A and HESES18A recreation Table 7b: Sandwich year out counts of years of instance for 2016-17, 2017-18 and 2018-19 starters on pre-registration health courses
7c Health diff	Difference between HESES18A and HESES18A recreation Table 7c: Part-time counts of years of instance for 2016-17, 2017-18 and 2018-19 starters on pre-registration health courses
A Summary	2019-20 Grant tables Table A: 2019-20 Summary of allocations
B High-cost	2019-20 Grant tables Table B: 2019-20 High-cost subject funding
C Student premium	2019-20 Grant tables Table C: 2019-20 Student premium allocations
D Erasmus+	2019-20 Grant tables Table D: 2019-20 Erasmus+ and overseas study programmes

Workbook tab*	Title
E NMAH supplement	2019-20 Grant tables Table E: 2019-20 Nursing, midwifery and allied health supplement
F Very high-cost STEM subjects	2019-20 Grant tables Table F: Very high-cost STEM subjects targeted allocation
G Other TAs	2019-20 Grant tables Table G: 2019-20 Other targeted allocations
H Parameters	2019-20 Grant tables Table H: 2019-20 Parameters in the funding models

* Shading corresponds to the colour of the workbook tab.

16. The difference sheets (see worksheets ending in 'diff' in Table 1) will indicate where differences between the HESES18A recreation tables and HESES18A 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 HESES18A data and HESES18A recreation data.

17. Providers are strongly encouraged to use the 'Rebuild information' worksheet in the HES18A_DCT_XXXXXXXX.xlsx workbook, which may highlight data quality issues relating to the HESA fields used in the HESES18A recreation algorithms.

HESES18A comparison individualised and modularised files

18. You should use the individualised file HES18A_XXXXXXXX_IND.csv and modularised file HES18A_XXXXXXXX_MOD.csv when working through this document. This shows the assignment of records to categories by our algorithms and, where applicable, provides the data that has been used to determine their exclusion from the relevant population.

19. The HESES18 comparison rebuild document provides instructions for rebuilding key figures in the workbook from the individualised and modularised files.

20. HESA Student fields used to generate the data in the outputs are listed in Table 2.

Table 2: Fields used in the HESES18A comparison outputs

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

Entity	Field	Description	Column in individualised file	Column in modularised file
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	U
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
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	AX
Instance	UNITLGTH	Units of length	EI	N/A
Instance	YEARPRG	Year of course	EJ	N/A

Entity	Field	Description	Column in individualised file	Column in modularised file
Instance	YEARSTU	Year of student on this instance	EK	N/A
Provider	INSTAPP	Indicator for funding approximations	AD	AE
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	X
Module	MODID	Module identifier	N/A	AG
Module	MTITLE	Module title	N/A	AL
Module	PCOLAB	Percentage not taught by this provider	N/A	AM
Module	TINST	Other provider providing teaching	N/A	AS
Module subject	COSTCN	HESA cost centre	N/A	V
Module subject	MODSBJP	Subject / HESA cost centre percentage	N/A	AI
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	AJ
Student on module	MODYR	Module year	N/A	AK

[†] 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

13.   Fields derived from HESA student data are listed in Table 3.

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	25	AJ	N/A
EXCL1-EXCL1024	Exclusion reason(s)	79-89	AR-BB	N/A
FDBRIDGE	Student on a foundation degree bridging course	26	BC	W
FDTEACH	Student on a foundation degree teaching assistant course	68	BD	N/A
FTEA, FTEB, FTEC1, FTEC2, FTED	FTE of the year of instance assigned to each price group	78	BF-BJ	N/A
HESAVRGFTE	Average FTE	52	BN	N/A
HESAVRGFTEPOP	Average FTE population	49	BO	N/A
HESAVRGFTETYPE	Average FTE type	50	BP	N/A
HESBROADLEVEL	Broad level of study	96	BQ	
HESCLIN	Price group A clinical and veterinary students	72	BR	N/A
HESCOMP	Completion status	47	L	L
HESCRSELGTH	Expected length of the course in years	46	BS	N/A
HESEC	Indicates whether a student has a UK, other Home and EU, or other domicile.	44	BT	N/A
HESESFTE	FTE of the year of instance	58	M	M
HESEXCL	Reason(s) for exclusion from the HESES population	90	N	N
HESFDBRIDGEYR	The year of instance is a foundation degree bridging course	33	BU	N/A

Derived field name	Description	Paragraph	Column in individualised file	Column in modularised file
HESFTE_CASE	Method used to calculate HESESFTE	57	BV	Y
HESHEALTHPOP	Identifies whether the student will be included in pre-registration nursing, midwifery and allied health profession courses	119	O	N/A
HESHEALTHPROF1 – HESHEALTHPROF2	Identifies which nursing, midwifery and allied health profession the student is recorded against	73	P-Q	N/A
HESHEALTHPROP1- HESHEALTHPROP2	The proportion of the student's activity that is allocated to each health profession	117-118	R-S	N/A
HESHEALTHYEAR	Indicates whether the student started their course in 2016-17, 2017-18, 2018-19 or another academic year	41	T	N/A
HESLEVEL	Level of study	43	U	O
HESLINK17	Link made to 2017-18 data	24	BW	N/A
HESMDV	Clinical and veterinary student	69	BX	N/A
HESMODE	Mode of study	40	V	P
HESMODYOI	Identifies whether the module is countable in the year of instance	60	N/A	Z
HESNEWENTRANT	Identifies whether a student is a new entrant	103	W	N/A
HESOVER	Primary derived field(s) being overwritten	120	BY	N/A
HESPGR16	Number of postgraduate research (PGR) years of instance in 2016-17	102	BZ	N/A
HESPGR17	Number of PGR years of instance in 2017-18	99	CA	N/A

Derived field name	Description	Paragraph	Column in individualised file	Column in modularised file
HESPGT16	Number of postgraduate taught (PGT) years of instance in 2016-17	101	CB	N/A
HESPGT17	Number of PGT years of instance in 2017-18	98	CC	N/A
HESPROP	Proportion of STULOAD counted in the year of instance	56	CD	N/A
HESREG	HESES Column 1 or 2 indicator	48	X	Q
HESRESSTAT	Fundability and residential status	95	Y	N/A
HESSUBCONTRACT	Indicates whether part or all of year of instance is subcontracted to another provider	108	Z	N/A
HESTOTWORKWKS	Total number of weeks spent working abroad	39	CE	N/A
HESTYPE	Fundability status	42	AA	R
HESUG16	Number of undergraduate (UG) years of instance in 2016-17	100	CF	N/A
HESUG17	Number of UG years of instance in 2017-18	97	CG	N/A
HESWORKWKSXΩ	Maximum number of weeks that may be spent working abroad for each mobility experience	38	CH-CJ	N/A
HESYAMOBSCHEME	Identifies if the year of instance is on an Erasmus+ scheme	92	CK	N/A
HESYAPOP	Indicates whether year of instance is included in the count of Table 4 years abroad	94	AB	N/A

Derived field name	Description	Paragraph	Column in individualised file	Column in modularised file
HESYATYPE	Type of fee charged to students spending a year abroad	93	AC	N/A
HESYRZERO	The year in which a student last took a foundation year	70	CL	N/A
HESYRZEROADJ	Indicates whether the student has taken a foundation year	71	CM	N/A
HHCOSTCN	HESES recreation HESA cost centre	66	N/A	AA
HHPER	HESES recreation percentage of the module	64	N/A	AB
HHPRP	HESES recreation proportion of FTE in each HESA cost centre x subject combination	65	N/A	AC
INSTAPP17	2017-18 approximation indicator	27	CQ	N/A
LENGTH	Long or standard length year of instance	45	AD	T
LOADYRB17	FTE in year B for 2017-18	29	CT	N/A
MOBDURAXΩ	Elapsed length in weeks of the mobility experience	36	CX-CZ	N/A
MOBSCHEMEXΩ	Type of mobility scheme	37	DA-DC	N/A
MOBTYPEXYΩ	Type of mobility experiences	35	DD-DL	N/A
MODFTE	Module FTE countable in the year of instance	61	N/A	AE
MODFTESBJP	Module FTE for each subject	62	N/A	N/A
PRGA, PRGB, PRGC1, PRGC2, PRGD	Proportion of countable year in each price group	76	AE-AI	N/A
PRGFTE	Proportion of FTE	75	N/A	AN

Derived field name	Description	Paragraph	Column in individualised file	Column in modularised file
PRGMOD	Assignment of modules to price group categories	67	N/A	AO
PRGMODVET, PRGMODB, PRGMODC1, PRGMODC2, PRGMODD	Proportion of activity in each price group	74	DR DN DO DP DQ	N/A
STUBID	Unique countable year of instance identifier	31	K	K
STULOAD17	STULOAD value from the 2017-18 HESA record	28	ED	N/A
TINSTMODFTESBJP	Module subject FTE attributable to subcontractual provider	105	N/A	AT
TINSTPROP	Proportion of subcontracted FTE attributable to TINST	107	N/A	AU
TOTMODFTE	Total module FTE for the year of instance	63	EF	AV
TOTTINSTMODFTE	Total FTE for modules taught at other providers	106	N/A	AW
TYPEYR17	TYPEYR for the 2017-18 academic year	30	EH	AY

Ω The number of occurrences of this field is restricted to 3.

Linking between years

21. We have linked the 2018-19 HESA data to earlier years' data using UKPRN, HUSID and NUMHUS. This is to help account for definitional differences between HESA and HESES data. HESLINK17 is equal to 1 where records have been linked to 2017-18 HESA data by this method.

22. 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.

23. We have also linked 2018-19 HESA data to 2017-18 and 2016-17 HESA data using the fields UKPRN and HUSID, for the purpose of deriving HESNEWENTRANT.

Tables 1-3 recreation algorithms

HESLINK17

24. This field indicates if a successful link was made between the 2018-19 data and 2017-18 data that may inform the calculation of FTE for some students.

Value	Description
1	A link was made to 2017-18 data using the method described in paragraphs 22-23 of this document
0	Otherwise

ANNIV

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

FDBRIDGE

26. 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

INSTAPP17

27. This field contains the indicator for funding approximations for 2017-18 (2017-18 INSTAPP).

STULOAD17

28. This field contains the student instance FTE for 2017-18 (2017-18 STULOAD).

LOADYRB17

29. This field contains the FTE in year B for 2017-18 (2017-18 LOADYRB).

TYPEYR17

30. This field contains the value of the type of instance year for 2017-18 (2017-18 TYPEYR).

STUBID

31. 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
		    ((LOADYRB17 = 0 and INSTAPP17 = 1) or
		          ((STULOAD17= 0 or HESLINK17 = 0) and
		COMDATE < 1 August 2017)))

2	Second countable year of instance	FDBRIDGE = 1 or
		(LOADYRA ≠ 0, BLANK and LOADYRB ≠ 0, BLANK and
		    ((LOADYRB17 = 0 and INSTAPP17 = 1) or
		          ((STULOAD17 = 0 or HESLINK17 = 0) and
		COMDATE < 1 August 2017)))

0	One countable year of instance	Otherwise

Example of a student who would generate two countable years

32. An undergraduate has an anniversary of commencement (ANNIV) of 1 January 2018. The student was active in the 2016-17 academic year until 1 June 2017 and recommenced activity on 1 August 2018, resulting in no activity in the 2017-18 academic year. The student generated an FTE of 0.25 between 1 August 2018 and 31 December 2018, and generated an FTE of 0.5 between 1 January 2018 and 31 July 2018. 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	2017-18 HESA return	2017-18 HESA return
LOADYRA	0	025.0
LOADYRB	0	050.0
INSTAPP	1	1

HESFDBRIDGEYR

33. 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

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

MOBTYPEXY

35. 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

36. 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

37. 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

38. 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

39. 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

40. 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))

Value	Description	Definition
PT	Part-time	Otherwise

HESHEALTHYEAR

41. This field identifies whether the student started their course in 2016-17, 2017-18, 2018-19 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 and COMDATE < 1 August 2018
2018-19	Student started in the 2018-19 academic year	COMDATE > 31 July 2018 and COMDATE < 1 August 2019
OTHER	Otherwise	Otherwise

HESTYPE

42. 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 FUNDLEV = 30,31) 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

HESLEVEL

43. 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 or ((REGBODY1 = 44, 06, 61, 62, 63, 64, 65, 46, 47, 48, 52, 50, 42, 56, 57, 55 or REGBODY2 = 44, 06, 61, 62, 63, 64, 65, 46, 47, 48, 52, 50, 42, 56, 57, 55) and COURSEAIM = M16, M26, M86))

Value	Description	Definition

PGT_ML	Postgraduate taught course eligible for masters loans	FUNDLEV = 20, 21 and (INITIATIVES1 = U or INITIATIVES2 = U) and
		(COURSEAIM = M00, M01, M10, M11, M88 or
		    (COURSEAIM = M16
		        and REGBODY1 ≠ 44, 06, 61, 62, 63, 64, 65, 46, 47, 48, 52, 50, 42, 56, 57, 55
		        and REGBODY2 ≠ 44, 06, 61, 62, 63, 64, 65, 46, 47, 48, 52, 50, 42, 56, 57, 55))

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

44. 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

45. 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

HESCRSELGTH

46. 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

Value	Definition
6	UNITLGTH = 9
1	Otherwise

HESCOMP

47. This field assigns students to Column 3 or 4 of Tables 1 to 3 of the HESES recreation.

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

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

Value	Description	Definition
1	Column 1 student	ANNIV < 2 December 2018
2	Column 2 student	Otherwise

HESAVRGFTEPOP

49. 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 2018 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

50. 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 2018-19 average FTE population match over provider (UKPRN), course aim (COURSEAIM) with HESAVRGFTEPOP = 1 and not above
3	More than 9 students in the 2018-19 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 2017-18 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 2017-18).

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

    2017-18 TYPEYR ≠ 1 and
    2017-18 COMDATE < 1 August 2017 and
    2017-18 ENDDATE = BLANK and
    2017-18 HESCOMP ≠ 3 and
    2017-18 HESEXCL = 0 and
    2017-18 MODE ≠ 43, 44, 51, 73, 74 and
    2017-18 HESMODE = PT

HESAVRGFTE

52. 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

53. A provider only has 46 students in the 2018-19 average FTE population.

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

54. 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.

55. 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

56. 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 2018). Where ENDDATE is BLANK we will assume a date of 31 July 2019 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

57. 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 recreation.

  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 TYPEYR17 = 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 TYPEYR17 = 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 TYPEYR17 = 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 2018
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 2018

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

58. 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

59. 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

60. 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)

Value	Description	Definition
0	Not countable in the year of instance	Otherwise

MODFTE

61. 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

62. 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

63. 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

64. 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

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

HHCOSTCN

66. 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

67. 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

68. 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

69. 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

70. 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

71. 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

72. 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

73. 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

Value	Description	Definition
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
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

74. 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

75. 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

76. The proportion of activity in each price group.

Field name	Definition	Value
PRGA	HESCLIN = 1, 2 or (COURSEAIM = H16 ,H62, I16, J26, M16, M26, M86 and (HESHEALTHPROF1 = DENHYG,DENTHE or HESHEALTHPROF2 = DENHYG,DENTHE))	1
PRGC2	HESMODE = SWOUT or TTCID = 1, 2, Q or (QTS = 4 and TTCID = 5) or FDTEACH = 1 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
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
PRGC2	REGBODY1 = 09, 10, 11, 54 or REGBODY2 = 09, 10, 11, 54 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

77. 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

78. 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

Field	Definition
FTEC1	PRGC1 x HESESFTE
FTEC2	PRGC2 x HESESFTE
FTED	PRGD x HESESFTE

Calculation of exclusion flags

EXCL1

79. 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 2018
0	Otherwise	Otherwise

EXCL2

80. Field indicating FE, NVQ or QTS only or visiting 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

81. 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

82. 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

83. 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

84. 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

85. Field indicating incoming exchange students.

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

EXCL128

86. 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

87. 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

88. Field indicating students who withdrew before 2 December 2018 or left within 14 days of starting the instance without completing.

Value	Description	Definition
1	Student who withdrew before 2 December 2018 or left within 14 days of starting the instance without completing	REDUCEDI = 08 or (ENDDATE ≠ BLANK and ENDDATE < 2 December 2018 and FUNDCOMP = 2) or (ENDDATE ≠ BLANK and ENDDATE – COMDATE < 14 and FUNDCOMP = 2)
0	Otherwise	Otherwise

EXCL1024

89. 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

90. This field indicates whether the student will be included in Tables 1 to 4 of the HESES recreation. For students excluded from Tables 1 to 4 of the HESES recreation, 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 2018 or left within 14 days of starting the instance 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

91. 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 recreation algorithms

HESYAMOBSCHEME

92. 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

93. This field identifies Erasmus+ years abroad.

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

HESYAPOP

94. 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 recreation algorithms

HESRESSTAT

95. 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

Value	Description	Definition
HOMENF_OTH	Non-fundable, other Home and EU	HESTYPE = HOMENF and not above
ISOV	Island and overseas	HESTYPE = ISOV

HESBROADLEVEL

96. 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

HESUG17

97. This field indicates how many undergraduate taught years of instance for a higher education course recognised for OfS funding purposes were associated with the UKPRN and HUSID in the 2017-18 HESA Student record (HESLEVEL in 2017-18 = UG). This field will be blank if no HESA student data is available for the provider in 2017-18.

HESPGT17

98. This field indicates how many postgraduate taught years of instance for a higher education course recognised for OfS funding purposes were associated with the UKPRN and HUSID in the 2017-18 HESA Student record (HESLEVEL in 2017-18 = PGT_ML, PGT_OTH, PGT_UGF). This field will be blank if no HESA student data is available for the provider in 2017-18.

HESPGR17

99. This field indicates how many postgraduate research taught years of instance for a higher education course recognised for OfS funding purposes were associated with the UKPRN and HUSID in the 2017-18 HESA Student record (HESLEVEL in 2017-18 = PGR). This field will be blank if no HESA student data is available for the provider in 2017-18.

HESUG16

100. This field indicates how many undergraduate taught years of instance for a higher education course recognised for OfS funding purposes 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

101. This field indicates how many postgraduate taught years of instance for a higher education course recognised for OfS funding purposes were associated with the UKPRN and HUSID in the 2016-17 HESA Student record (HESLEVEL in 2016-17 = PGT, PGT_UGF). This field will be blank if no HESA student data is available for the provider in 2016-17.

HESPGR16

102. This field indicates how many postgraduate research taught years of instance for a higher education course recognised for OfS funding purposes 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.

HESNEWENTRANT

103. This field indicates whether a student is a new entrant according to the definition in HESES18A.

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 2018 and ((HESBROADLEVEL = UG and HESUG17 = 0, BLANK and HESUG16 = 0, BLANK) or (HESBROADLEVEL = PGT and HESPGT17 = 0, BLANK and HESPGT16 = 0, BLANK) or (HESBROADLEVEL = PGR and HESPGR17 = 0, BLANK and HESPGR16 = 0, BLANK))
0	Otherwise	Otherwise

104. 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 recreation algorithms

TINSTMODFTESBJP

105. 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

106. 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

107. 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

108. 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

109. 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.

110. 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

111. 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

112. 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

113. 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.

114. 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

115. 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

116. 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 recreation algorithms

HESHEALTHPROP1

117. 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

118. 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

HESHEALTHPOP

119. This field identifies students that will be included in Tables 7a-7c and is based on whether students started in 2016-17, 2017-18 or 2018-19, level of study, fundability and residential status, and the profession of the pre-registration course. The population for Tables 7a-7c is defined in HESES18A (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
		          or HESHEALTHPROF2 ≠ DENHYG, DENTHE, BLANK))))
		
		 or (HESHEALTHYEAR = 2017-18 and
		    ((HESLEVEL = UG and
		      (HESTYPE = HOMEF, HOMENF and
		        (HESHEALTHPROF1 ≠ BLANK
		        or HESHEALTHPROF2 ≠ BLANK)))
		    or (HESLEVEL = PGT_UGF, 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))))))
		
		or (HESHEALTHYEAR = 2018-19 and
		    ((HESLEVEL = UG and
		      (HESTYPE = HOMEF, HOMENF and
		        (HESHEALTHPROF1 ≠ BLANK
		        or HESHEALTHPROF2 ≠ BLANK)))
		    or (HESLEVEL = PGT_UGF, PGT_ML, PGT_OTH and
		      (HESTYPE = HOMEF, HOMENF and
		        (HESHEALTHPROF1 ≠ DENHYG, DENTHE, BLANK
		       or HESHEALTHPROF2 ≠ DENHYG, DENTHE, BLANK))))))

0	Otherwise	Otherwise

HESOVER

120. 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
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