2021-22 Student data checking tool

HESES21 comparison technical document

Contents

Summary

1. This document describes the Higher Education Students Early Statistics survey 2021-22 (HESES21) comparison files generated by the 2021-22 Student data checking tool, and the algorithms used to generate the data needed to recreate HESES21 from the 2021-22 student record (C21051). Throughout the document, fields taken or derived from the student record are shown in capitals.

2. The HESES21 comparison output can be used by higher education providers to verify and correct their 2021-22 individualised student data before signing off the final data with the designated data body (DDB).

3. The HESES21 comparison is formed of two files. These are:

    a. HESES21 comparison workbook 'HES21_DCT_XXXXXXXX.xlsx', where XXXXXXXX denotes the UK Provider Reference Number, UKPRN.

    b. HESES21 comparison individualised file 'HES21_DCT_XXXXXXXX_IND.csv'.

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

4. These files can be accessed via the Information Reporting Interface Service (IRIS) report which is available on DDB's data collection site (https://datacollection.hesa.ac.uk/).

5. This document is aimed at readers with in-depth knowledge of the data. Readers are advised to refer to the Student Record Coding Manual 2021-22 (https://www.hesa.ac.uk/collection/c21051), 'HESES21 – Higher Education Students Early Statistics survey 2021-22' (www.officeforstudents.org.uk/publications/HESES21/), and the latest individualised files for the HESES20 comparison and the HESES19 comparison when using this document.

6. We will document any changes or corrections to the algorithms in this document on the OfS website (https://www.officeforstudents.org.uk/data-and-analysis/data-checking-tool/2021-22-student-data-checking-tool/ under 'Updates'). Additionally, this document was updated on 18 August 2022 when the HESES21 comparison workbook was revised to include funding modelled using 2021-22 Student data.

Changes from 2020-21 Student post-collection outputs

7. This section describes any changes to the outputs and algorithms since the equivalent was published for the 2020-21 Student post collection outputs (www.officeforstudents.org.uk/data-and-analysis/post-collection-outputs/hesa-student-post-collection-outputs/ under 'Documentation').

8. Any deletions are shown with a ~~strikethrough~~. Any other changes are shown as **bold and underlined**.

HESMODE

9. This field has been updated to ensure that Erasmus+ or Turing years abroad spent working are treated correctly as sandwich year-out rather than full-time.

Value	Description	Definition
SWOUT	Sandwich year-out	(HESFDBRIDGEYR ≠ 1 and ~~MODE = 23, 24 and~~ ~~(SPECFEE = 1 or (SPECFEE = 3 and HESTOTWORKWKS > 20)))~~ **((MODE = 23, 24 and SPECFEE = 1) or** **(SPECFEE = 3 and HESTOTWORKWKS > 20))) or** (HESLEVEL = PGT_ML, PGT_OTH, PGT_UGF and MODE = 23, 24 and SPECFEE = 9 and LOCSDY = D)

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)))~~
		(MODE = 23, 24 and SPECFEE ≠ 1) or
		(SPECFEE = 3 and HESTOTWORKWKS < 21))
		and not above

PT	Part-time	Otherwise

HESEC

10. This field has been updated to include a new value for Crown Dependencies domiciled students, and a new value for Irish nationals domiciled in Ireland.

Value	Description	Definition
UK	UK-domiciled	DOMICILE = XF, XG, XH, XI, XK
CROWN	**Crown Dependencies domiciled**	**DOMICILE = GG, IM, JE, XL**
IE	**Irish nationals domiciled in Ireland**	**DOMICILE = IE and NATION = IE**
OEU	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 **and not above**
OTHER	Otherwise	Otherwise

HESTYPE

11. This field has been updated to reflect the change in home fee eligibility for Crown Dependencies students, Irish students and many EU students.

Value	Description	Definition

HOMENF	Home fee non-fundable	(FUNDCODE = 1 and FUNDLEV = 30, 31) or
		(FUNDCODE = 2, 5, 7 and
		    (FEEELIG = 1 or
		        (FEEELIG = 3 and
		        **(HESEC = UK, IE or
		        (HESEC = CROWN and LOCSDY ≠ 6, 9) or
		        (HESEC = OEU and
		        COMDATE < 1 August 2021**)))))) or
		(UKPRN = 10007773
		and FUNDCODE = 1 and DOMICILE = XG, XH, XI)

HOMEF	Home fee OfS-fundable	FUNDCODE = 1 and not above
ISOV	Overseas	Otherwise

PRGA, PRGB, PRGC11, PRGC12, PRGC2, PRGD

12. These fields have been updated to reflect the split of price group C1 into price groups C1.1 and C1.2.

Field name	Definition	Value
PRGC1**1**	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
~~PRGC1~~	~~SBJCAX corresponds to one of the following Common Aggregation Hierarchy codes:~~ ~~CAH10-01-03 (only when SBJCAX = 100109, 100110), CAH11, CAH20-01-03, CAH24-01-01, CAH24-01-03, CAH24-01-04, CAH24-01-05, CAH25, CAH26-01-05 (only when SBJCAX = 100369)~~ ~~and not above~~	~~Sum of SBJPCNT1, SBJPCNT2, SBJPCNT3, SBJPCNT4, SBJPCNT5 divided by 100~~
PRGC11	**SBJCAX corresponds to one of the following Common Aggregation Hierarchy codes:** **CAH11, CAH20-01-03, CAH26-01-05 (only when SBJCAX = 100369)** **and not above**	**Sum of SBJPCNT1, SBJPCNT2, SBJPCNT3, SBJPCNT4, SBJPCNT5 divided by 100**
PRGC12	**SBJCAX corresponds to one of the following Common Aggregation Hierarchy codes:** **CAH10-01-03 (only when SBJCAX = 100109, 100110), CAH24-01-01, CAH24-01-03, CAH24-01-04, CAH24-01-05, CAH25** **and not above**	**Sum of SBJPCNT1, SBJPCNT2, SBJPCNT3, SBJPCNT4, SBJPCNT5 divided by 100**

FTEA, FTEB, FTEC11, FTEC12, FTEC2, FTED

13. These fields have been updated to reflect the split of price group C1 into price groups C1.1 and C1.2.

Field	Definition
~~FTEC1~~	~~PRGC1 x HESESFTE~~
FTEC11	**PRGC11 x HESESFTE**
FTEC12	**PRGC12 x HESESFTE**

EXCL64

14. This field has been updated to reflect the introduction of the Turing scheme.

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

HESYAMOBSCHEME

15. This field has been updated to reflect the introduction of the Turing scheme.

Value	Description	Definition
1	Erasmus+ or Turing mobility scheme	At least one occurrence of MOBSCHEME = 03**, 05** across all mobilities
0	Otherwise	Otherwise

HESRESSTAT

16. This field has been updated to correct an error in the technical document. The code producing the outputs was correct.

Value	Description	Definition
HOMEF_UK	OfS-fundable, UK-domiciled	HESTYPE = HOMEF and HESEC = ~~XF, XG, XH, XI, XK~~ **UK**
HOMEF_OTH	OfS-fundable, Other	HESTYPE = HOMEF and not above
HOMENF_UK	Non-fundable, UK-domiciled	HESTYPE = HOMENF and HESEC = ~~XF, XG, XH, XI, XK~~ **UK**
HOMENF_OTH	Non-fundable, Other	HESTYPE = HOMENF and not above
ISOV	Overseas	HESTYPE = ISOV

Changes from initial release of the 2021-22 Student data checking tool

HESLEVEL

17. This field has been updated to ensure graduate-entry courses in medicine, dentistry and veterinary science are treated as undergraduate for the purposes of the HESES21 comparison only. Such records will instead be treated as postgraduate taught and eligible under the undergraduate student support regime in the HESES22 comparison.

Value	Description	Definition
UG	Undergraduate	FUNDLEV = 10, 11 **or (FUNDLEV = 20, 21 and SPECFEE ≠ 9, BLANK and COURSEAIM = H16, I16, M26 and REGBODY1 = 01, 14, 30)**
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, H62)) **and not above**
PGT_ML	Postgraduate taught course eligible for masters' loans	FUNDLEV = 20, 21 and (INITIATIVES1 = U or INITIATIVES2 = U or INITIATIVES3 = U) and (COURSEAIM = M00, M01, M02, 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

Requesting overrides

18. Occasionally primary derived field(s) need to be overridden for some records. This occurs in circumstances where we cannot correctly categorise those records using an algorithm. Providers should email HESAStudentData@officeforstudents.org.uk where they believe an override may need to be created. Three examples of where we believe some providers may need to request an override are given below.

Overriding HESLEVEL for some students studying architecture

19. For students who are on Part 2 of the qualification leading towards registration with the Architects Registration Board, typically some should be classed as Postgraduate taught

(undergraduate fee) (i.e. HESLEVEL = PGT_UGF), and some should be classed as Postgraduate taught (masters' loan) (i.e. HESLEVEL = PGT_ML).

20. However, the HESLEVEL algorithm will place all records into the PGT_ML category. If some of the records at your provider should instead be placed into the PGT_UGF category, and it has a material impact on funding, an override will need to be requested.

Overriding HESLEVEL for some students studying post-registration health and social care qualifications at level M

21. Only certain COURSEAIMs (M00, M01, M02, M10, M11, M16, M88) are included in the classification of records as Postgraduate taught (masters' loan) (i.e. HESLEVEL = PGT_ML). However, some post-registration health and social care courses at level M (COURSEAIM = M76) may be classed as Postgraduate taught (masters' loan), and the HESLEVEL algorithm will not be classing these courses as such. If these courses at your provider should be placed into the PGT_ML category, and it has a material impact on funding, an override will need to be requested.

Overriding HESMODE for postgraduate taught sandwich year out students

22. We are not able to correctly assign mode of study for all postgraduate taught sandwich year out students. An override will need to be requested to ensure HESMODE is correctly set to SWOUT.

Overriding HESHEALTHPOP and HESHEALTHYEAR for some students taking a foundation year as part of a pre-registration nursing, midwifery, and allied health profession course

23. Where such a course contains a foundation year, but the foundation year is not part of the course that is approved by the regulatory body, an override will need to be requested to ensure that HESHEALTHPOP is set to 0 for the foundation year.

24. When the student starts on the first year of the part of the course that is approved by the regulatory body, an override will need to be requested to ensure HESHEALTHYEAR is set correctly to treat the student as a starter.

HESES21 comparison workbook

25. The HESES21 comparison is the Excel workbook 'HES21_DCT_XXXXXXXX.xlsx' which contains the worksheets shown in Table 1. This workbook was updated on 18 August 2022 to include funding modelled using 2021-22 Student data.

Table 1: Worksheets in the HESES21 comparison workbook

Worksheet*	Title
Cover_sheet	Office for Students: 2021-22 Student data checking tool: HESES21 comparison
Table_of_contents	Table of contents
Key_differences	Key differences between HESES21 and recreated HESES21

Worksheet*	Title
Rebuild_summary	Comparison of splits of years of instance and FTE
1_Full_time	HESES21 recreated using 2021-22 Student data Table 1: Full-time counts of years of instance
2_Sandwich	HESES21 recreated using 2021-22 Student data Table 2: Sandwich year out counts of years of instance
3_Part_time	HESES21 recreated using 2021-22 Student data Table 3: Part-time counts of years of instance and full-time equivalence (FTE)
4_Year_abroad	HESES21 recreated using 2021-22 Student data Table 4: Home fee undergraduate years abroad
5_Planning	HESES21 recreated using 2021-22 Student data Table 5: Further student analysis for planning purposes
6a_Health_full_time	HESES21 recreated using 2021-22 Student data Table 6a: Full-time counts of years of instance for home fee students on pre-registration health courses
6b_Health_sandwich	HESES21 recreated using 2021-22 Student data Table 6b: Sandwich year out counts of years of instance for home fee students on pre-registration health courses
6c_Health_part_time	HESES21 recreated using 2021-22 Student data Table 6c: Part-time counts of years of instance and FTE for home fee students on pre-registration health courses
h1_Full_time	HESES21 Table 1: Full-time counts of years of instance
h2_Sandwich	HESES21 Table 2: Sandwich year out counts of years of instance
h3_Part_time	HESES21 Table 3: Part-time counts of years of instance and FTE
h4_Year_abroad	HESES21 Table 4: Home fee undergraduate years abroad
h5_Planning	HESES21 Table 5: Further student analysis for planning purposes
h6a_Health_full_time	HESES21 Table 6a: Full-time counts of years of instance for home fee students on pre-registration health courses
h6b_Health_sandwich	HESES21 Table 6b: Sandwich year out counts of years of instance for home fee students on pre-registration health courses
h6c_Health_part_time	HESES21 Table 6c: Part-time counts of years of instance and FTE for home fee students on pre-registration health courses
1_Full_time_diff	Difference between HESES21 recreated using 2021-22 Student data and HESES21 Table 1: Full-time counts of years of instance

Worksheet*	Title
2_Sandwich_diff	Difference between HESES21 recreated using 2021-22 Student data and HESES21 Table 2: Sandwich year out counts of years of instance
3_Part_time_diff	Difference between HESES21 recreated using 2021-22 Student data and HESES21 Table 3: Part-time counts of years of instance and FTE
4_Year_abroad_diff	Difference between HESES21 recreated using 2021-22 Student data and HESES21 Table 4: Home fee undergraduate years abroad
5_Planning_diff	Difference between HESES21 recreated using 2021-22 Student data and HESES21 Table 5: Further student analysis for planning purposes
6a_Health_full_time_diff	Difference between HESES21 recreated using 2021-22 Student data and HESES21 Table 6a: Full-time counts of years of instance for home fee students on pre-registration health courses
6b_Health_sandwich_diff	Difference between HESES21 recreated using 2021-22 Student data and HESES21 Table 6b: Sandwich year out counts of years of for home fee students on pre-registration health courses
6c_Health_part_time_diff	Difference between HESES21 recreated using 2021-22 Student data and HESES21 Table 6c: Part-time counts of years of instance and FTE for home fee students on pre-registration health courses
A Summary	2022-23 Grant tables Table A: Summary of 2022-23 allocations
B High-cost	2022-23 Grant tables Table B: 2022-23 High-cost subject funding
C NMAH supplement	2022-23 Grant tables Table C: 2022-23 Nursing, midwifery and allied health supplement
D Overseas	2022-23 Grant tables Table D: 2022-23 Overseas study programmes
E Other high-cost TAs	2022-23 Grant tables Table E: 2022-23 Other high-cost targeted allocations
F Student access and success	2022-23 Grant tables Table F: 2022-23 Student access and success
G Parameters	2022-23 Grant tables Table G: 2022-23 Parameters in the funding models

* Shading corresponds to the colour of the workbook tab.

26. The difference sheets (see worksheets ending in 'diff' in Table 1) will indicate where differences between the HESES21 recreation tables and HESES21 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 HESES21 data and HESES21 recreation data.

27. Providers are strongly encouraged to use the 'Rebuild_summary' worksheet in the 'HES21_DCT_XXXXXXXX.xlsx' workbook, which may highlight data quality issues relating to the Student fields used in the HESES21 recreation algorithms.

HESES21 comparison individualised file

28. When working through this document it is necessary to use the individualised file, 'HES21_DCT_XXXXXXXX_IND.csv'. This file contains the values of all fields used to generate the HESES21 comparison.

29. Fields taken from the 2021-22 Student record or derived as part of the HESES21 comparison are shown in capitals using the names given in Tables 2 and 3 respectively.

30. Specific instructions for rebuilding the HESES21 comparison workbook from the individualised file are provided in the HESES21 comparison rebuild document.

31. The individualised file contains one record per year of instance (each unique combination of UKPRN, HUSID, NUMHUS and STUBID) in the 2021-22 academic year.

Student fields used to create the HESES21 comparison output

32. Student fields used to generate the data in the output are listed in Table 2.

Table 2: List of Student fields used in the HESES21 comparison

Entity	Name	Description	Column in individualised file
Course	COURSEAIM	General qualification aim of course	AM
Course	COURSEID	Course identifier	F
Course	CTITLE	Course title	AN
Course	REDUCEDC	Reduced course return indicator	DQ
Course	REGBODY1-2	Regulatory body for health and social care students	DS-DT
Course	TTCID	Teacher training course	EI
Course subject	SBJCA1-5	Subject of course	DU-DY
Course subject	SBJPCNT1-5	Subject percentage	DZ-ED
Entry profile	DOMICILE	Domicile	AO
Instance	BRIDGE	Foundation degree to degree bridging course	AK
Instance	CAMPID†	Campus identifier	G
Instance	COMDATE	Start date of instance	AL
Instance	ENDDATE	End date of instance	AP
Instance	EXCHANGE	Exchange programmes	AQ
Instance	FEEELIG	Fee eligibility	BD
Instance	FUNDCODE	Fundability code	BK
Instance	FUNDCOMP	Completion of year of instance	BL
Instance	FUNDLEV	Level applicable to funding council HESES	BM
Instance	INITIATIVES1-3	Initiatives	CN-CP
Instance	INSTCAMP†	Provider's own campus identifier	H
Instance	LOADYRA	Full time equivalent (FTE) in year A	CS
Instance	LOADYRB	FTE in year B	CT
Instance	LOCSDY	Location of study	CV
Instance	MCDATE	Change of mode date	CW
Instance	MODE	Mode of study	CX
Instance	MSTUFEE	Major source of tuition fees	DN

Entity	Name	Description	Column in individualised file
Instance	NUMHUS	Student instance identifier	C
Instance	OWNINST†	Provider's own instance identifier	E
Instance	QTS	Qualified Teacher Status	DP
Instance	REDUCEDI	Reduced instance return indicator	DR
Instance	SPECFEE	Special fee indicator	EE
Instance	SPLENGTH	Expected length of study	EF
Instance	STULOAD	Student instance FTE	EG
Instance	TYPEYR	Type of instance year	EJ
Instance	UNITLGTH	Units of length	EL
Instance	YEARPRG	Year of course	EM
Instance	YEARSTU	Year of student on this instance	EN
Provider	INSTAPP	Indicator for funding approximations	CQ
Provider	UKPRN	UK provider reference number	A
Mobility	MOBDURA	Mobility duration	See Table 3
Mobility	MOBSCHEME	Mobility scheme	See Table 3
Mobility	MOBTYPE	Mobility type	See Table 3
Student	HUSID	HESA unique student identifier	B
Student	NATION	Nationality	DO
Student	OWNSTU†	Provider's own internal identifier for the student	D
Student	UCASAPPID†	UCAS Application Number	I
Student	UCASPERID†	UCAS Personal Identifier	J

† 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

33. The derived fields used to generate the HESES21 comparison are listed in Table 3.

Table 3: List of derived fields used in the HESES21 comparison

Name	Description	Paragraph	Column in individualised file
ANNIV	Anniversary of start date in academic year	37	AJ
EXCL1-EXCL512	Exclusion reason(s)	83-92	AR-BA
FDBRIDGE	Student on a foundation degree bridging course	38	BB
FDTEACH	Student on a foundation degree teaching assistant course	74	BC
FTEA, FTEB, FTEC11, FTEC12, FTEC2, FTED	FTE of the year of instance assigned to each price group	82	BE-BJ
HESAVRGFTE	Average FTE	65	BN
HESAVRGFTEPOP	Average FTE population	61	BO
HESAVRGFTETYPE	Average FTE type	63	BP
HESBROADLEVEL	Broad level of study	99	BQ
HESCLIN	Price group A clinical and veterinary students	78	BR
HESCOMP	Completion status	59	L
HESCRSELGTH	Expected length of the course in years	58	BS
HESEC	Indicates whether a student has a UK, other Home and EU, or other domicile.	54	BT
HESESFTE	FTE of the year of instance	72	M
HESEXCL	Reason(s) for exclusion from the HESES population	93	N
HESFDBRIDGEYR	The year of instance is a foundation degree bridging course	45	BU
HESFTE_CASE	Method used to calculate HESESFTE	71	BV
HESHEALTHPOP	Identifies whether the student will be included in pre-registration nursing, midwifery, and allied health profession courses	110	O

Name	Description	Paragraph	Column in individualised file
HESHEALTHPROFX	Identifies which nursing, midwifery, and allied health profession the student is recorded against	79	P-Q
HESHEALTHPROP1-HESHEALTHPROP2	The proportion of the student's activity that is allocated to each health profession	108-109	R-S
HESHEALTHYEAR	Indicates whether the student started their course in 2021-22 or another academic year	53	T
HESLEVEL	Level of study	56	U
HESLINK20	Link made to 2020-21 data	36	BW
HESMDV	Clinical and veterinary student	75	BX
HESMODE	Mode of study	52	V
HESNEWENTRANT	Identifies whether a student is a new entrant	106	W
HESOVER	Primary derived field(s) being overwritten	111	BY
HESPGR19	Number of postgraduate research (PGR) years of instance in 2019-20	105	BZ
HESPGR20	Number of PGR years of instance in 2020-21	102	CA
HESPGT19	Number of postgraduate taught (PGT) years of instance in 2019-20	104	CB
HESPGT20	Number of PGT years of instance in 2020-21	101	CC
HESPROP	Proportion of STULOAD counted in the year of instance	70	CD
HESREG	HESES Column 1 or 2 indicator	60	X
HESRESSTAT	Fundability and residential status	98	Y
HESTOTWORKWKS	Total number of weeks spent working abroad	51	CE
HESTYPE	Fundability status	55	Z
HESUG19	Number of undergraduate (UG) years of instance in 2019-20	103	CF
HESUG20	Number of UG years of instance in 2020-21	100	CG

Name	Description	Paragraph	Column in individualised file
HESWORKWKSX$^\Omega$	Maximum number of weeks that may be spent working abroad for each mobility experience	50	CH-CJ
HESYAMOBSCHEME	Identifies if the year of instance is on an Erasmus+ or Turing scheme	95	CK
HESYAPOP	Indicates whether year of instance is included in the count of Table 4 years abroad	97	AA
HESYATYPE	Type of fee charged to students spending a year abroad	96	AB
HESYRZERO	The year in which a student last took a foundation year	76	CL
HESYRZEROADJ	Indicates whether the student has taken a foundation year	77	CM
INSTAPP20	2020-21 approximation indicator	39	CQ
LENGTH	Long or standard length year of instance	57	AC
LOADYRB20	FTE in year B for 2020-21	41	CU
MOBDURAX$^\Omega$	Elapsed length in weeks of the mobility experience	48	CY-DA
MOBSCHEMEX$^\Omega$	Type of mobility scheme	49	DB-DD
MOBTYPEXY$^\Omega$	Type of mobility experiences	47	DE-DM
PRGA, PRGB, PRGC11, PRGC12, PRGC2, PRGD	Proportion of countable year in each price group	80	AD-AI
STUBID	Unique countable year of instance identifier	43	K
STULOAD20	STULOAD value from the 2020-21 record	40	EH
TYPEYR20	TYPEYR for the 2020-21 academic year	42	EK

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

Linking between years

34. We have linked the 2021-22 data to earlier years' data using UKPRN, HUSID and NUMHUS. This is to help account for definitional differences between the student record and HESES data. HESLINK20 is equal to 1 where records have been linked to 2020-21 data by this method.

35. 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.

36. We have also linked 2021-22 data to 2020-21 and 2019-20 data using the fields UKPRN and HUSID, for the purpose of deriving HESNEWENTRANT.

Tables 1-3 recreation algorithms

HESLINK20

37. This field indicates if a successful link was made between the 2021-22 data and 2020-21 data that may inform the calculation of FTE for some students.

Value	Description
1	A link was made to 2020-21 data using the method described in paragraphs 34-35 of this document
0	Otherwise

ANNIV

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

FDBRIDGE

39. 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

INSTAPP20

40. This field contains the indicator for funding approximations for 2020-21 (2020-21 INSTAPP).

STULOAD20

41. This field contains the student instance FTE for 2020-21 (2020-21 STULOAD).

LOADYRB20

42. This field contains the FTE in year B for 2020-21 (2020-21 LOADYRB).

TYPEYR20

43. This field contains the value of the type of instance year for 2020-21 (2020-21 TYPEYR).

STUBID

44. This field uniquely identifies years of instance when used in conjunction with UKPRN, HUSID and NUMHUS. Where the 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
		    ((LOADYRB20 = 0 and INSTAPP20 = 1 and
		TYPEYR20 = 2, 4) or
		         ((STULOAD20= 0 or HESLINK20 = 0) and
		COMDATE < 1 August 2020)))

2	Second countable year of instance	FDBRIDGE = 1 or
		(LOADYRA ≠ 0, BLANK and LOADYRB ≠ 0, BLANK and
		    ((LOADYRB20 = 0 and INSTAPP20 = 1 and
		TYPEYR20 = 2, 4) or
		         ((STULOAD20 = 0 or HESLINK20 = 0) and
		COMDATE < 1 August 2020)))

0	One countable year of instance	Otherwise

Example of a student who would generate two countable years

45. An undergraduate has an anniversary of commencement (ANNIV) of 1 January 2022. The student was active in the 2019-20 academic year until 1 June 2020 and recommenced activity on 1 August 2021, resulting in no activity in the 2020-21 academic year. The student generated an FTE of 0.25 between 1 August 2021 and 31 December 2021, and generated an FTE of 0.5 between 1 January 2022 and 31 July 2022. The student return for this record would (if they choose not to rely on our approximations, INSTAPP = 1) contain the following field values:

Field	2020-21 student return	2021-22 student return
LOADYRA	0	025.0
LOADYRB	0	050.0
INSTAPP	1	1

HESFDBRIDGEYR

46. 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

INITIATIVES1-3

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

MOBTYPEXY

48. 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

49. 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

50. 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

51. 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

52. 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

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

Value	Description	Definition
SWOUT	Sandwich year-out	(HESFDBRIDGEYR ≠ 1 and ((MODE = 23, 24 and SPECFEE = 1) or (SPECFEE = 3 and HESTOTWORKWKS > 20))) or (HESLEVEL = PGT_ML, PGT_OTH, PGT_UGF and MODE = 23, 24 and SPECFEE = 9 and LOCSDY = D)

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) or
		   (SPECFEE = 3 and HESTOTWORKWKS < 21))
		and not above

PT	Part-time	Otherwise

HESHEALTHYEAR

54. This field identifies whether the student started their course in 2021-22 or another academic year.

Value	Description	Definition
2021-22	Student started in 2021-22 academic year	COMDATE > 31 July 2021 and COMDATE < 1 August 2022
OTHER	Otherwise	Otherwise

HESEC

55. This field indicates whether a student has a UK, Crown Dependencies, Ireland, EU, or other domicile.

Value	Description	Definition
UK	UK-domiciled	DOMICILE = XF, XG, XH, XI, XK
CROWN	Crown Dependencies domiciled	DOMICILE = GG, IM, JE, XL
IE	Irish nationals domiciled in Ireland	DOMICILE = IE and NATION = IE
OEU	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 and not above
OTHER	Otherwise	Otherwise

HESTYPE

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

Value	Description	Definition
HOMENF	Home fee non-fundable	(FUNDCODE = 1 and FUNDLEV = 30, 31) or (FUNDCODE = 2, 5, 7 and (FEEELIG = 1 or (FEEELIG = 3 and (HESEC = UK, IE or (HESEC = CROWN and LOCSDY ≠ 6, 9) or (HESEC = OEU and COMDATE < 1 August 2021))))) or (UKPRN = 10007773 and FUNDCODE = 1 and DOMICILE = XG, XH, XI)
HOMEF	Home fee OfS-fundable	FUNDCODE = 1 and not above
ISOV	Overseas	Otherwise

HESLEVEL

57. This field allocates students to a level of study.

Value	Description	Definition
UG	Undergraduate	FUNDLEV = 10, 11 or (FUNDLEV = 20, 21 and SPECFEE ≠ 9, BLANK and COURSEAIM = H16, I16, M26 and REGBODY1 = 01, 14, 30)
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, H62)) and not above
PGT_ML	Postgraduate taught course eligible for masters' loans	FUNDLEV = 20, 21 and (INITIATIVES1 = U or INITIATIVES2 = U or INITIATIVES3 = U) and (COURSEAIM = M00, M01, M02, 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

LENGTH

58. 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

59. This field contains the expected length of the course in whole numbers of years, calculated from the difference between LEARNSTARTDATE and LEARNPLANENDDATE. Expected course lengths that contain a fraction of a year that exceeds two weeks are rounded up to the next whole year. Otherwise, the value is rounded down to the nearest whole number of years, except where the expected course length is less than one year – such expected course lengths will be rounded up to one year. For example, an expected length of course that is one year and three weeks will be rounded up to two years. An expected length of course that is one year and one week will be rounded down to one year.

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

HESCOMP

60. 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

61. 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 2021
2	Column 2 student	Otherwise

HESAVRGFTEPOP

62. HESAVRGFTEPOP is used to identify students who are on non-standard years, with a STULOAD of greater than 0 and who are part of the HESES population. These students are

then used to calculate the average FTE to apply to students on non-standard years who have an instance that starts in the current academic year (HESFTE_CASE = 3).

63. The 2021-22 average FTE population is defined as follows:

Value	Description	Definition
1	In the 2021-22 average FTE population	TYPEYR ≠ 1 and COMDATE < 1 August 2021 and ENDDATE = BLANK and HESCOMP ≠ 3 and STULOAD ≠ 0 and FUNDLEV ≠ 99 and FUNDCOMP ≠ 9 and MODE ≠ 43, 44, 51, 63, 64, 73, 74 and HESMODE = PT
0	Otherwise	Otherwise

Calculation of FTE

HESAVRGFTETYPE

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

Value	Description
1	Level 1 – There are 10 or more students in the average FTE population (HESAVRGFTEPOP = 1) at a given provider (UKPRN) who have the same course aim (COURSEAIM), mode (MODE), and expected course length (HESCRSELGTH).
2	Level 2 – There are 10 or more students in the average FTE population (HESAVRGFTEPOP = 1) at a given provider (UKPRN) who have the same course aim (COURSEAIM) and not above.
3	Level 3 – There are 10 or more students in the average FTE population (HESAVRGFTEPOP = 1) at a given provider (UKPRN) who have the same level of study (HESLEVEL) and not above.
4	Level 4 – Level of study (HESLEVEL) in the 2020-21 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 2020-21).

65. The 2020-21 average FTE population is defined as follows:

2020-21 TYPEYR ≠ 1 and

2020-21 COMDATE < 1 August 2020 and

2020-21 ENDDATE = BLANK and

2020-21 HESCOMP ≠ 3 and

2020-21 HESEXCL = 0 and

2020-21 MODE ≠ 43, 44, 51, 73, 74 and

2020-21 HESMODE = PT.

HESAVRGFTE

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

67. Note: HESAVRGFTE is calculated for all students on non-standard years of instance; however it is only used to calculate HESESFTE for those students who have an instance that starts in the current academic year (HESFTE_CASE = 3).

Example

68. A provider only has 46 students in the 2021-22 average FTE population.

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

69. 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.

70. 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

71. 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 2021). Where ENDDATE is BLANK we will assume a date of 31 July 2022 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

72. 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 TYPEYR20 = 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 TYPEYR20 = 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 a 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 TYPEYR20 = 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 2021
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 2021

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

73. 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

74. 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

FDTEACH

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

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

HESMDV

76. This field identifies undergraduate pre-clinical and clinical medicine, dentistry and veterinary science students.

Value	Description	Definition
UMED	Undergraduate pre-clinical or clinical medicine student	HESLEVEL = UG and COURSEAIM = H16, I16, M26 and REGBODY1 = 01
UDEN	Undergraduate pre-clinical or clinical dentistry student	HESLEVEL = UG and COURSEAIM = H16, I16, M26 and REGBODY1 = 30

Value	Description	Definition
UVET	Undergraduate pre-clinical or veterinary science	HESLEVEL = UG and COURSEAIM = H16, I16, M26 and REGBODY1 = 14 and (SBJCA1 = 100531, 101347, 101384 or SBJCA2 = 100531, 101347, 101384 or SBJCA3 = 100531, 101347, 101384 or SBJCA4 = 100531, 101347, 101384 or SBJCA5 = 100531, 101347, 101384)
OTH	Otherwise	Otherwise

HESYRZERO

77. 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 Student data.

HESYRZEROADJ

78. 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

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

Value	Description	Definition
1	Undergraduate clinical medicine, 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 medicine or dentistry student assigned to price group A	HESLEVEL = PGR, PGT_ML, PGT_OTH, PGT_UGF and (SBJCA1 = 100267, 100266, 100494 or SBJCA2 = 100267, 100266, 100494 or SBJCA3 = 100267, 100266, 100494 or SBJCA4 = 100267, 100266, 100494 or SBJCA5 = 100267, 100266, 100494)

Value	Description	Definition
3	Postgraduate clinical veterinary science student assigned to price group A	HESLEVEL = PGR, PGT_ML, PGT_OTH, PGT_UGF and (SBJCA1 = 100531, 101347 or SBJCA2 = 100531, 101347 or SBJCA3 = 100531, 101347 or SBJCA4 = 100531, 101347 or SBJCA5 = 100531, 101347)
0	Otherwise	Otherwise

HESHEALTHPROFX

80. 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
RADTHE	Radiography (therapeutic)	REGBODYX = 56
RADDIA	Radiography (diagnostic)	REGBODYX = 57
SPELAN	Speech and language therapy	REGBODYX = 55
BLANK	Otherwise	Otherwise

PRGA, PRGB, PRGC11, PRGC12, PRGC2, PRGD

81. The proportion of activity in each price group. Common Aggregation Hierarchy (CAH) codes stated include all sub-levels, unless otherwise stated.

Field name	Definition	Value
PRGC2	HESMODE = SWOUT	1

PRGA	HESCLIN = 1, 2, 3 or
	(COURSEAIM = H16, H62, I16, J26, M16, M26, M86 and
	      (HESHEALTHPROF1 = DENHYG, DENTHE or
	      HESHEALTHPROF2 = DENHYG, DENTHE))
	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

PRGC11	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	TTCID = 1, 2, Q or (QTS = 4 and TTCID = 5) or FDTEACH = 1 or REGBODY1 = 09, 11, 16, 17 or REGBODY2 = 09, 11, 16, 17 and not above	1
PRGB	SBJCAX corresponds to one of the following Common Aggregation Hierarchy codes: CAH01, CAH02-02, CAH02-05, CAH02-06-01, CAH02-06-02, CAH02-06-03, CAH02-06-06 (only when SBJCAX = 100241, 100243), CAH03-01-01, CAH03-01-02, CAH03-01-03, CAH03-01-04, CAH03-01-05, CAH03-01-06, CAH03-01-07, CAH03-01-08, CAH03-01-10, CAH05, CAH06-01-01, CAH06-01-02, CAH06-01-03, CAH06-01-05, CAH06-01-07, CAH07, CAH10-01-01, CAH10-01-02, CAH10-01-03 (only when SBJCAX = 100152, 100170, 100193, 100201, 100202, 100205, 100206, 100209, 100211, 101397, 101398), CAH10-01-04, CAH10-01-05, CAH10-01-06, CAH10-01-07 (only when SBJCAX = 100120, 100148, 100153, 100154, 100156, 100157, 100180, 100551, 100565), CAH10-01-08, CAH10-01-09, CAH10-01-10, CAH10-03-01, CAH10-03-02, CAH10-03-03, CAH10-03-04, CAH10-03-05, CAH10-03-06 (only when SBJCAX = 100186, 100222, 100230, 100560, 101356), CAH10-03-07, CAH15-01-04 (only when SBJCAX = 101218), CAH26-01-04, CAH26-01-06 and not above	Sum of SBJPCNT1, SBJPCNT2, SBJPCNT3, SBJPCNT4, SBJPCNT5 divided by 100

Field name	Definition	Value
PRGC11	SBJCAX corresponds to one of the following Common Aggregation Hierarchy codes: CAH11, CAH20-01-03, CAH26-01-05 (only when SBJCAX = 100369) and not above	Sum of SBJPCNT1, SBJPCNT2, SBJPCNT3, SBJPCNT4, SBJPCNT5 divided by 100
PRGC12	SBJCAX corresponds to one of the following Common Aggregation Hierarchy codes: CAH10-01-03 (only when SBJCAX = 100109, 100110), CAH24-01-01, CAH24-01-03, CAH24-01-04, CAH24-01-05, CAH25 and not above	Sum of SBJPCNT1, SBJPCNT2, SBJPCNT3, SBJPCNT4, SBJPCNT5 divided by 100
PRGC2	SBJCAX corresponds to one of the following Common Aggregation Hierarchy codes: CAH02-04, CAH02-06-04, CAH02-06-05, CAH02-06-06 (only when SBJCAX = 100233, 100234, 100235, 100236, 100237, 100239, 100242, 100253, 100739, 101241, 101340, 101375), CAH02-06-07, CAH03-01-09, CAH03-02, CAH04, CAH06-01-06, CAH06-01-08, CAH09, CAH10-01-03 (only when SBJCAX = 100213), CAH10-01-07 (only when SBJCAX = 100219, 100548, 100549, 101048), CAH10-03-06 (only when SBJCAX = 100093), CAH13, CAH15-04-03, CAH17-01-06, CAH19-04-01, CAH19-04-02, CAH19-04-03, CAH19-04-04, CAH19-04-05, CAH19-04-06, CAH19-04-07, CAH19-04-09, CAH26-01-01, CAH26-01-02, CAH26-01-03, CAH26-01-05 (only when SBJCAX = 101056) and not above	Sum of SBJPCNT1, SBJPCNT2, SBJPCNT3, SBJPCNT4, SBJPCNT5 divided by 100
PRGD	SBJCAX corresponds to one of the following Common Aggregation Hierarchy codes: CAH06-01-04, CAH15-01-01, CAH15-01-02, CAH15-01-03, CAH15-01-04 (only when SBJCAX = 100436, 100437, 100663), CAH15-01-05, CAH15-01-06, CAH15-02, CAH15-03, CAH15-04-01, CAH15-04-02, CAH16, CAH17-01-01, CAH17-01-02, CAH17-01-03, CAH17-01-04, CAH17-01-05, CAH17-01-07, CAH17-01-08, CAH17-01-09, CAH19-01, CAH19-02, CAH19-04-08, CAH20-01-01, CAH20-01-02, CAH20-01-04, CAH20-01-05, CAH20-02, CAH22, CAH23, CAH24-01-02 and not above	Sum of SBJPCNT1, SBJPCNT2, SBJPCNT3, SBJPCNT4, SBJPCNT5 divided by 100

82. In some cases, the sum of PRGA, PRGB, PRGC11, PRGC12, PRGC2 and PRGD may not equal one. In this case we scale them so that their sum is one.

FTEA, FTEB, FTEC11, FTEC12, FTEC2, FTED

83. The FTE of the activity assigned to each price group is contained in the six FTE fields as shown in the table below. These fields are calculated by multiplying the appropriate price group field (PRGA, PRGB, PRGC11, PRGC12, PRGC2 and PRGD) by FTE (HESESFTE).

Field	Definition
FTEA	PRGA x HESESFTE
FTEB	PRGB x HESESFTE
FTEC11	PRGC11 x HESESFTE
FTEC12	PRGC12 x HESESFTE
FTEC2	PRGC2 x HESESFTE
FTED	PRGD x HESESFTE

Calculation of exclusion flags

EXCL1

84. 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 2021
0	Otherwise	Otherwise

EXCL2

85. Field indicating further education (FE), National Vocational Qualification (NVQ) or Qualified Teacher Status (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

86. Field indicating students with no qualification aim.

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

EXCL8

87. 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 or (INSTAPP = 1 and LOADYRB = 0 and COMDATE < 1 August 2021 and TYPEYR = 2, 4)
0	Otherwise	Otherwise

EXCL16

88. 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

89. 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 or REDUCEDI = 04
0	Otherwise	Otherwise

EXCL64

90. Field indicating incoming exchange students.

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

EXCL128

91. 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

92. Field indicating students on non-standard years of instance in their final year of study.

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

EXCL512

93. Field indicating students who withdrew before 2 December 2021 or left within 14 days of starting the instance without completing.

Value	Description	Definition
1	Student who withdrew before 2 December 2021 or left within 14 days of starting the instance without completing	REDUCEDI = 08 or (ENDDATE ≠ BLANK and ENDDATE < 2 December 2021 and FUNDCOMP = 2) or (ENDDATE ≠ BLANK and ENDDATE – COMDATE < 14 and FUNDCOMP = 2)
0	Otherwise	Otherwise

HESEXCL

94. 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 2021 or left within 14 days of starting the instance without completing	EXCL512 = 1
0	Otherwise	None of the above

95. This field contains the exclusion reason(s) for the instance. It is calculated as (1 × EXCL1) + (2 × EXCL2) +...+ (512 × EXCL512). 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

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

Value	Description	Definition
1	Erasmus+ or Turing mobility scheme	At least one occurrence of MOBSCHEME = 03, 05 across all mobilities
0	Otherwise	Otherwise

HESYATYPE

97. This field identifies Erasmus+ and Turing years abroad.

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

HESYAPOP

98. 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

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

Value	Description	Definition
HOMEF_UK	OfS-fundable, UK-domiciled	HESTYPE = HOMEF and HESEC = UK
HOMEF_OTH	OfS-fundable, Other	HESTYPE = HOMEF and not above

Value	Description	Definition
HOMENF_UK	Non-fundable, UK-domiciled	HESTYPE = HOMENF and HESEC = UK
HOMENF_OTH	Non-fundable, Other	HESTYPE = HOMENF and not above
ISOV	Overseas	HESTYPE = ISOV

HESBROADLEVEL

100.   This field shows the broad level of study in 2021-22 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

HESUG20

101.   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 2020-21 student record (HESLEVEL in 2020-21 = UG and HESEXCL in 2020-21 = 0). This field will be blank if no student record data is available for the provider in 2020-21.

HESPGT20

102.   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 2020-21 student record (HESLEVEL in 2020-21 = PGT_ML, PGT_OTH, PGT_UGF and HESEXCL in 2020-21 = 0). This field will be blank if no student record data is available for the provider in 2020-21.

HESPGR20

103.   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 2020-21 student record (HESLEVEL in 2020-21 = PGR and HESEXCL in 2020-21 = 0). This field will be blank if no student record data is available for the provider in 2020-21.

HESUG19

104.   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 2019-20 student record (HESLEVEL in 2019-20 = UG and HESEXCL in 2019-20 = 0). This field will be blank if no student record data is available for the provider in 2019-20.

HESPGT19

105.   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 2019-20 student record (HESLEVEL in 2019-20 = PGT, PGT_UGF and HESEXCL in 2019-20 = 0). This field will be blank if no student record data is available for the provider in 2019-20.

HESPGR19

106.   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 2019-20 student record (HESLEVEL in 2019-20 = PGR and HESEXCL in 2019-20 = 0). This field will be blank if no student record data is available for the provider in 2019-20.

HESNEWENTRANT

107.   This field indicates whether a student is a new entrant according to the definition in HESES21.

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 2021 and HESEXCL = 0 and ((HESBROADLEVEL = UG and HESUG20 = 0, BLANK and HESUG19 = 0, BLANK) or (HESBROADLEVEL = PGT and HESPGT20 = 0, BLANK and HESPGT19 = 0, BLANK) or (HESBROADLEVEL = PGR and HESPGR20 = 0, BLANK and HESPGR19 = 0, BLANK))
0	Otherwise	Otherwise

108.   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.

Tables 6a-6c recreation algorithms

HESHEALTHPROP1

109.   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

110.   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

111. This field identifies students that will be included in the health population and is based on level of study, fundability and residential status, course aim and the profession of the pre-registration course. The population is defined in HESES21 (Annex L, paragraph 2).

Value	Description	Definition
1	Year of instance included in Tables 6a to 6c	HESEXCL = 0 and (UKPRN ≠ 10007773 or (UKPRN = 10007773 and DOMICILE ≠ XG, XH, XI)) and COURSEAIM = H16, H62, I16, J26, M16, M26, M86 and HESLEVEL = UG, PGT_UGF and HESTYPE = HOMEF, HOMENF and (HESHEALTHPROF1 ≠ BLANK or HESHEALTHPROF2 ≠ BLANK)
0	Otherwise	Otherwise

Overrides

HESOVER

112. This field indicates the primary derived field(s) that have been overridden for the student. For example, if HESOVER = 74, by subtracting figures from the following table starting at the bottom, we see that the student has had overrides for HESTYPE (HESOVER = 64), HESLEVEL (HESOVER = 8) and HESESFTE (HESOVER = 2) 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