

**Office for  
Students**



# **2021-22 Student Alternative data checking tool**

**HESES21 comparison technical document**

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# Summary

1. This document describes the Higher Education Students Early Statistics survey 2021-22 (HESES21) comparison files supplied as part of the 2021-22 Student Alternative data checking tool, and the algorithms used to generate the data needed to recreate HESES21 from 2021-22 Student alternative record (C21054). Throughout the document, fields taken or derived from the Student Alternative 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 output is formed of three 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'.
  - c. HESES21 comparison instance period file 'HES21\_DCT\_XXXXXXXX\_INSTPER.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/](http://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 the 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 Coding Manual for the 2021-22 Student Alternative record (<https://www.hesa.ac.uk/collection/c21054>), 'Higher Education Students Early Statistics survey 2021-22 (HESES21)' ([www.officeforstudents.org.uk/publications/HESES21/](http://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-alternative-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 Alternative data.

## Changes from 2020-21 Student Alternative post-collection outputs

7. This section describes any changes to the outputs and algorithms since the equivalent was published for the 2020-21 Student Alternative post collection outputs ([www.officeforstudents.org.uk/data-and-analysis/post-collection-outputs/hesa-student-post-collection-outputs/](http://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**.

## HESEC

9. 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
<b>CROWN</b>	<b>Crown Dependencies domiciled</b>	<b>DOMICILE = GG, IM, JE, XL</b>
<b>IE</b>	<b>Irish nationals domiciled in Ireland</b>	<b>DOMICILE = IE and NATION = IE</b>
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 <b>and not above</b>
OTHER	Otherwise	Otherwise

## HESTYPE

10. 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 HESLEVEL = PGR) or (FUNDCODE = 2, 5, 7 and and HESEC = UK, OEU) <b>(HESEC = UK, IE or (HESEC = CROWN and HESLOCSDY_P1 ≠ 6, 9) or (HESEC = OEU and COMDATE &lt; 1 August 2021)))</b>
HOMEF	Home fee OfS-fundable	FUNDCODE = 1 and not above
ISOV	Overseas	Otherwise

## HESPRGA, HESPRGB, HESPRGC11, HESPRGC12, HESPRGC2, HESPRGD

11. 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
HESPRGC2	HESMODE = SWOUT	1
HESPRGA	HESCLIN = 1, 2, 3 or (HESCOURSEAIM_P1 = H16, H62, I16, J26, M16, M26, M86 and (HESHEALTHPROF1 = DENHYG, DENTHE or HESHEALTHPROF2 = DENHYG, DENTHE)) and not above	1

Field name	Definition	Value
HESPRGC11	HESCOURSEAIM_P1 = 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
HESPRGC1	HESBJCAX_P1 corresponds to one of the following Common Aggregation Hierarchy codes:  <del>CAH10-01-03 (only when HESBJCAX_P1 = 100109, 100110), CAH11, CAH20-01-03, CAH24-01-01, CAH24-01-03, CAH24-01-04, CAH24-01-05, CAH25, CAH26-01-05 (only when HESBJCAX_P1 = 100369)</del>  and not above	Sum of HESBJPCNT1_P1, HESBJPCNT2_P1, HESBJPCNT3_P1, HESBJPCNT4_P1, HESBJPCNT5_P1 divided by 100
HESPRGC11	<u>HESBJCAX_P1 corresponds to one of the following Common Aggregation Hierarchy codes:</u>  <u>CAH11, CAH20-01-03, CAH26-01-05 (only when HESBJCAX_P1 = 100369)</u>  <u>and not above</u>	<u>Sum of</u> <u>HESBJPCNT1_P1,</u> <u>HESBJPCNT2_P1,</u> <u>HESBJPCNT3_P1,</u> <u>HESBJPCNT4_P1,</u> <u>HESBJPCNT5_P1</u> <u>divided by 100</u>
HESPRGC12	<u>HESBJCAX_P1 corresponds to one of the following Common Aggregation Hierarchy codes:</u>  <u>CAH10-01-03 (only when HESBJCAX_P1 = 100109, 100110), CAH24-01-01, CAH24-01-03, CAH24-01-04, CAH24-01-05, CAH25</u>  <u>and not above</u>	<u>Sum of</u> <u>HESBJPCNT1_P1,</u> <u>HESBJPCNT2_P1,</u> <u>HESBJPCNT3_P1,</u> <u>HESBJPCNT4_P1,</u> <u>HESBJPCNT5_P1</u> <u>divided by 100</u>

**FTEA\_EXCLEST, FTB\_EXCLEST, FTEC11\_EXCLEST, FTEC12\_EXCLEST, FTEC2\_EXCLEST, FTED\_EXCLEST**

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

Field	Definition
FTEC1_EXCLEST	HESPRGC1 x HESESFTE_EXCLEST
FTEC11_EXCLEST	HESPRGC11 x HESESFTE_EXCLEST
FTEC12_EXCLEST	HESPRGC12 x HESESFTE_EXCLEST

**FTEA\_INCLEST, FTB\_INCLEST, FTEC11\_INCLEST, FTEC12\_INCLEST, FTEC2\_INCLEST, FTED\_INCLEST**

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_INCLEST	HESPRGC1 x HESESFTE_INCLEST
FTEC11_INCLEST	HESPRGC11 x HESESFTE_INCLEST
FTEC12_INCLEST	HESPRGC12 x HESESFTE_INCLEST

## Requesting overrides

14. 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 [hesasar@officeforstudents.org.uk](mailto:hesasar@officeforstudents.org.uk) where they believe an override may need to be created. Two examples of where we believe some providers may need to request an override are given below.

### Overriding HESLEVEL for some students studying architecture

15. 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).
16. However, the HESLEVEL algorithm may 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

17. Only certain values of HESCOURSEAIM\_P1 (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 (HESCOURSEAIM\_P1 = 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.

## HESES21 comparison workbook

18. The HESES21 comparison workbook is the Excel workbook 'HES21\_DCT\_XXXXXXXXX.xlsx' which contains the worksheets shown in Table 1. Note that it is not possible to recreate Table 4 using 2021-22 Student Alternative data. Consequently, no data relating to this table is shown in the HESES21 comparison workbook. Additionally, this workbook was updated on 18 August 2022 to include funding modelled using 2021-22 Student Alternative data.

**Table 1: Worksheets in the HESES21 comparison workbook**

<b>Worksheet*</b>	<b>Title</b>
Cover_sheet	Office for Students: 2021-22 Student Alternative data checking tool: HESES21 comparison
Table_of_contents	Table of contents
Key_differences	Key differences between HESES21 and recreated HESES21
Rebuild_summary	Comparison of splits of years of instance and FTE
1_Full_time	HESES21 recreated using 2021-22 Student Alternative data Table 1: Full-time counts of years of instance
2_Sandwich	HESES21 recreated using 2021-22 Student Alternative data Table 2: Sandwich year out counts of years of instance
3_Part_time	HESES21 recreated using 2021-22 Student Alternative data Table 3: Part-time counts of years of instance and full-time equivalent (FTE)
5_Planning	HESES21 recreated using 2021-22 Student Alternative data Table 5: Further student analysis for planning purposes
6a_Health_full_time	HESES21 recreated using 2021-22 Student Alternative 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 Alternative 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 Alternative 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
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

Worksheet*	Title
1_Full_time_diff	Difference between HESES21 recreated using 2021-22 Student Alternative data and HESES21 Table 1: Full-time counts of years of instance
2_Sandwich_diff	Difference between HESES21 recreated using 2021-22 Student Alternative 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 Alternative data and HESES21 Table 3: Part-time counts of years of instance and FTE
5_Planning_diff	Difference between HESES21 recreated using 2021-22 Student Alternative data and HESES21 Table 5: Further student analysis for planning purposes
6a_Health_full_time_diff	Difference between HESES21 recreated using 2021-22 Student Alternative 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 Alternative data and HESES21 Table 6b: Sandwich year out counts of years of instance for home fee students on pre-registration health courses
6c_Health_part_time_diff	Difference between HESES21 recreated using 2021-22 Student Alternative 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.



19. 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.
20. 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 Alternative fields used in the HESES21 recreation algorithms.

## **HESES21 comparison individualised and instance period files**

21. When working through this document it is necessary to use the individualised file, 'HES21\_DCT\_XXXXXXXX\_IND.csv' and instance period file 'HES21\_DCT\_XXXXXXXX\_INSTPER.csv'. These files contain the values of all fields used to generate the HESES21 comparison.
22. Fields taken from the 2021-22 Student Alternative record or derived as part of the HESES21 comparison are shown in capitals using the names given in Tables 2 and 3 respectively.
23. Specific instructions for rebuilding the HESES21 comparison workbook from the individualised file or instance period file are provided in the HESES21 comparison rebuild document.
24. The individualised file contains one record per instance (each unique combination of UKPRN, HUSID and NUMHUS) in the 2021-22 academic year, and the instance period file contains one record per instance period (each unique combination of UKPRN, HUSID, NUMHUS and HESPERIODNUM).

### **Instance period ranking**

25. The number of instance periods that can be returned for a given instance is unbounded; however, due to file size considerations we restrict the number of separate instance periods displayed in the individualised file to three. In the unusual case where an instance has more than three instance periods, all will be considered in our algorithms, although only three will be displayed in the individualised file.
26. The instance period derived field HESEXCL\_PX (where X is the ranking of the instance period) determines whether or not an instance period is included in the HESES21 population. Instance periods are ranked by whether or not they are in the HESES21 population, then by descending HESPERIODSTART\_PX date. Thus, an instance period which is included in the population is always ranked higher than an excluded instance period, even if the excluded instance period has a later HESPERIODSTART\_PX date.
27. The data associated with the first ranked instance period is used to define the instance in the HESES21 population. Data for all instance periods is shown in the instance period file, but only data for the top three ranked instance periods is shown in the individualised file.

## Student Alternative fields used to create the HESES21 comparison output

28. The Student Alternative fields used to generate the HESES21 comparison are listed in Table 2.

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

Entity	Name	Description	Column in individualised file	Column in instance period file
Provider	UKPRN	UK Provider Reference Number	A	A
Course	COURSEAIM	General qualification aim of course	N/A	N/A
Course	REGBODY	Regulatory body	N/A	N/A
Course	TTCID	Teacher training course	N/A	N/A
Course subject	SBJCA	Subject of course	N/A	N/A
Course subject	SBJPCNT	Subject percentage	N/A	N/A
Student	HUSID	HESA unique student identifier	B	B
Student	OWNSTU	Provider's own identifier for student	D	D
Student Equality	NATION	Nationality	BM	N/A
Entry profile	DOMICILE	Domicile	AC	N/A
Instance	COMDATE	Start date of instance	AB	F
Instance	ENDDATE	End date of instance	AD	G
Instance	FUNDCODE	Fundability code	AK	N/A
Instance	FUNDCOMP	Completion of year of instance	AL	N/A
Instance	FUNDLEV	Level applicable to OfS HESES	AM	N/A
Instance	NUMHUS	Student instance identifier	C	C
Instance	OWNINST	Provider's own instance identifier	E	E
Instance	RSNEND	Reason for ending instance	BN	N/A
Instance	SPLENGTH	Expected length of study	BO	N/A
Instance	UNITLGTH	Units of length	BP	N/A
Instance period	COURSEID	Course identifier	N/A	N/A
Instance period	DISALL	Disabled student allowance	N/A	N/A

Entity	Name	Description	Column in individualised file	Column in instance period file
Instance period	EXCHIND	Exchange programmes	N/A	N/A
Instance period	INITIATIVES	Initiatives	N/A	N/A
Instance period	LOCSDY	Location of study	N/A	N/A
Instance period	MODE	Mode of study	N/A	N/A
Instance period	MSTUFEE	Major source of tuition fees	N/A	N/A
Instance period	PERIODEND	Instance period end date	N/A	N/A
Instance period	PERIODSTART	Instance period start date	N/A	N/A
Instance period	STULOAD	Student instance FTE	N/A	N/A
Instance period	YEARPRG	Year of course	N/A	N/A

## Description of derived fields

29. 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	Para.	Column in individualised file	Column in instance period file
FTEA_EXCLEST, FTEB_EXCLEST, FTEC11_EXCLEST, FTEC12_EXCLEST, FTEC2_EXCLEST, FTED_EXCLEST	Estimated FTE of the activity assigned to each price group, calculated using HESESFTE_EXCLEST	126	N/A	BF, BH, BJ, BL, BN, BP
FTEA_INCLEST, FTEB_INCLEST, FTEC11_INCLEST, FTEC12_INCLEST, FTEC2_INCLEST, FTED_INCLEST	Estimated FTE of the activity assigned to each price group, calculated using HESESFTE_INCLEST	127	AE-AJ	BG, BI, BK, BM, BO, BQ
HESANNIV	Anniversary of start date in current academic year	78	AN	H
HESANNIV22	Anniversary of start date in following academic year	79	AO	I
HESBROADLEVEL	Broad level of study	93	AP	N/A
HESCLIN	Price group A clinical medical, dental and veterinary science students	91	AQ	N/A
HESCOMP	Completion status	88	F	J
HESCOURSEAIM_PX	General qualification aim of course	31	BQ, CY, EG	AC
HESCOURSEID_PX	Course identifier	32	BR, CZ, EH	AD
HESCRSELGTH	Expected length of the course in years	89	AR	N/A
HESDISALL	Disabled Students' Allowances	106	AS	N/A
HESDISALL_PX	Disabled Students' Allowances	33	BS, DA, EI	N/A

Name	Description	Para.	Column in individualised file	Column in instance period file
HESEC	Indicates whether student has a UK, other Home and EU, or other domicile	84	AT	N/A
HESENDCASE	Instance period end date category	59	N/A	AU
HESENDDATE_AC21	2021-22 academic year end date	62	N/A	AX
HESENDDATE_IN20	2020-21 year of instance end date	60	N/A	AV
HESENDDATE_IN21	2021-22 year of instance end date	64	N/A	AZ
HESESFTE_1	Estimated FTE in 2021-22 academic year for 2021-22 year of instance	65	N/A	BA
HESESFTE_2	Estimated FTE in 2021-22 academic year for 2021-22 year of instance	66	N/A	BB
HESESFTE_3_IN20	Estimated FTE in 2021-22 academic year for 2020-21 year of instance from instance period starting on or after 1 August 2021	67	N/A	BC
HESESFTE_EXCLEST	Estimated FTE for 2021-22 year of instance, excluding any estimate for instance period starting on or after 1 August 2021	122	N/A	BD
HESESFTE_INCLEST	Estimated FTE for 2021-22 year of instance, including any estimate for instance period starting on or after 1 August 2021	123	G	BE
HESEXCHIND_PX	Exchange programmes	34	BT, DB, EJ	AE
HESEXCL	Reason(s) for exclusion from the HESES population	118	H	K

Name	Description	Para.	Column in individualised file	Column in instance period file
HESEXCL_PX	Reason(s) for exclusion of instance period	75	BU, DC, EK	AF
HESEXCL1-512	HESES population exclusions	108 - 117	AU-BD	N/A
HESEXCL1-32_PX	Instance period exclusions	69 - 73	BV-CA, DD-DI, EL-EQ	AG-AL
HESHEALTHPOP	Identifies whether student is included in health population	105	I	L
HESHEALTHPROF1-2	Identifies which nursing, midwifery or allied health professions the student is recorded against	82	J-K	M-N
HESHEALTHPROP1-2	Proportion of student's activity allocated to each health profession	102 - 103	L-M	O-P
HESHEALTHYEAR	Indicates whether student started course in 2021-22 or another academic year	104	N	Q
HESINITIATIVES1-3_PX	Initiatives	35 - 37	CB-CD, DJ-DL, ER-ET	N/A
HESLENGTH	Long or standard length year of instance	87	O	R
HESLEVEL	Level of study	83	P	S
HESLOCSDY_PX	Location of study	38	CE, DM, EU	AM
HESMDV	Undergraduate clinical and pre-clinical medical, dental and veterinary science students	90	BE	N/A
HESMODE	Mode of study	81	Q	T
HESMODE_PX	Mode of study	39	CF, DN, EV	AN
HESMSTUFEE_PX	Major source of tuition fees	40	CG, DO , EW	AO
HESNEWENTRANT	Identifies whether student is a new entrant	100	R	N/A

Name	Description	Para.	Column in individualised file	Column in instance period file
HESOVER	Primary derived field(s) being overridden	120	BF	N/A
HESPERIODEND_PX	Instance period end date	42	CI, DQ, EY	AQ
HESPERIODNUM	Ranking of instance period	30	N/A	AR
HESPERIODSTART_PX	Instance period start date	41	CH, DP, EX	AP
HESPGR19	Number of PGR years of instance in 2019-20	98	BG	N/A
HESPGR20	Number of PGR years of instance in 2020-21	99	BH	N/A
HESPGT19	Number of PGT years of instance in 2019-20	96	BI	N/A
HESPGT20	Number of PGT years of instance in 2020-21	97	BJ	N/A
HESPRGA, HESPRGB, HESPRGC1, HESPRGC2, HESPRGD	Proportion of countable year in each price group	92	S-X	U-Z
HESREG	HESES Column 1 or 2 indicator	80	Y	AA
HESREGBODY1-2_PX	Regulatory body for health and social care students	43 - 44	CJ-CK, DR-DS, FB-FF	N/A
HESRESSTAT	Fundability and residential status	86	Z	N/A
HESBJCA1-5_PX	Subject of course	45 - 49	CL-CP, DT-DX, EZ-FD	N/A
HESBJPCNT1-5_PX	Proportion of time allocated for each subject	50 - 54	CQ-CU, DY-EC, FG-FK	N/A
HESSTARTCASE	Instance period start date category	58	N/A	AT
HESSTARTDATE_AC21	2021-22 academic year start date	61	N/A	AW
HESSTARTDATE_IN21	2021-22 year of instance start date	63	N/A	AY
HESSTULOAD_PX	Student instance FTE	55	CV, ED, FL	AS
HESSTCID_PX	Teacher training course	56	CW, EE, FM	N/A

Name	Description	Para.	Column in individualised file	Column in instance period file
HESTYPE	Fundability status	85	AA	AB
HESUG19	Number of UG years of instance in 2019-20	94	BK	N/A
HESUG20	Number of UG years of instance in 2020-21	95	BL	N/A
HESYEARPRG_PX	Year of course	57	CX, EF, FN	N/A

## Instance period derived fields

### HESPERIODNUM

30. The value of HESPERIODNUM indicates the ranking of the instance period, with the first ranked instance period having a value of 1. The data associated with the first ranked instance period is used to define the instance in the HESES21 population. This field is only shown in the instance period file.

### HESCOURSEAIM\_PX

31. This field contains COURSEAIM for the associated instance period. X is equal to the value of HESPERIODNUM. The individualised file shows the value of this field for the top three ranked instance periods.

### HESCOURSEID\_PX

32. This field contains COURSEID for the associated instance period. X is equal to the value of HESPERIODNUM. The individualised file shows the value of this field for the top three ranked instance periods.

### HESDISALL\_PX

33. This field contains DISALL for the associated instance period. X is equal to the value of HESPERIODNUM. The individualised file shows the value of this field for the top three ranked instance periods. This field is not shown in the instance period file.

### HESEXCHIND\_PX

34. This field contains EXCHIND for the associated instance period. X is equal to the value of HESPERIODNUM. The individualised file shows the value of this field for the top three ranked instance periods.

### HESINITIATIVES1\_PX

35. This field contains INITIATIVES1 for the associated instance period. X is equal to the value of HESPERIODNUM. The individualised file shows the value of this field for the top three ranked instance periods. This field is not shown in the instance period file.



### **HESINITIATIVES2\_PX**

36. This field contains INITIATIVES2 for the associated instance period. X is equal to the value of HESPERIODNUM. The individualised file shows the value of this field for the top three ranked instance periods. This field is not shown in the instance period file.

### **HESINITIATIVES3\_PX**

37. This field contains INITIATIVES3 for the associated instance period. X is equal to the value of HESPERIODNUM. The individualised file shows the value of this field for the top three ranked instance periods. This field is not shown in the instance period file.

### **HESLOCSDY\_PX**

38. This field contains LOCSDY for the associated instance period. X is equal to the value of HESPERIODNUM. The individualised file shows the value of this field for the top three ranked instance periods.

### **HESMODE\_PX**

39. This field contains MODE for the associated instance period. X is equal to the value of HESPERIODNUM. The individualised file shows the value of this field for the top three ranked instance periods.

### **HESMSTUFEE\_PX**

40. This field contains MSTUFEE for the associated instance period. X is equal to the value of HESPERIODNUM. The individualised file shows the value of this field for the top three ranked instance periods.

### **HESPERIODSTART\_PX**

41. This field contains PERIODSTART for the associated instance period. X is equal to the value of HESPERIODNUM. The individualised file shows the value of this field for the top three ranked instance periods.

### **HESPERIODEND\_PX**

42. This field contains PERIODEND for the associated instance period. X is equal to the value of HESPERIODNUM. The individualised file shows the value of this field for the top three ranked instance periods.

### **HESREGBODY1\_PX**

43. This field contains REGBODY1 for the associated instance period. X is equal to the value of HESPERIODNUM. The individualised file shows the value of this field for the top three ranked instance periods. This field is not shown in the instance period file.

### **HESREGBODY2\_PX**

44. This field contains REGBODY2 for the associated instance period. X is equal to the value of HESPERIODNUM. The individualised file shows the value of this field for the top three ranked instance periods. This field is not shown in the instance period file.

### **HESBJCA1\_PX**

45. This field contains SBJCA1 for the associated instance period. X is equal to the value of HESPERIODNUM. The individualised file shows the value of this field for the top three ranked instance periods. This field is not shown in the instance period file.

### **HESBJCA2\_PX**

46. This field contains SBJCA2 for the associated instance period. X is equal to the value of HESPERIODNUM. The individualised file shows the value of this field for the top three ranked instance periods. This field is not shown in the instance period file.

### **HESBJCA3\_PX**

47. This field contains SBJCA3 for the associated instance period. X is equal to the value of HESPERIODNUM. The individualised file shows the value of this field for the top three ranked instance periods. This field is not shown in the instance period file.

### **HESBJCA4\_PX**

48. This field contains SBJCA4 for the associated instance period. X is equal to the value of HESPERIODNUM. The individualised file shows the value of this field for the top three ranked instance periods. This field is not shown in the instance period file.

### **HESBJCA5\_PX**

49. This field contains SBJCA5 for the associated instance period. X is equal to the value of HESPERIODNUM. The individualised file shows the value of this field for the top three ranked instance periods. This field is not shown in the instance period file.

### **HESBJPCNT1\_PX**

50. This field contains SBJPCNT1 for the associated instance period. X is equal to the value of HESPERIODNUM. The individualised file shows the value of this field for the top three ranked instance periods. This field is not shown in the instance period file.

### **HESBJPCNT2\_PX**

51. This field contains SBJPCNT2 for the associated instance period. X is equal to the value of HESPERIODNUM. The individualised file shows the value of this field for the top three ranked instance periods. This field is not shown in the instance period file.

### **HESBJPCNT3\_PX**

52. This field contains SBJPCNT3 for the associated instance period. X is equal to the value of HESPERIODNUM. The individualised file shows the value of this field for the top three ranked instance periods. This field is not shown in the instance period file.

### **HESBJPCNT4\_PX**

53. This field contains SBJPCNT4 for the associated instance period. X is equal to the value of HESPERIODNUM. The individualised file shows the value of this field for the top three ranked instance periods. This field is not shown in the instance period file.

## HESBJCNT5\_PX

54. This field contains SBJCNT5 for the associated instance period. X is equal to the value of HESPERIODNUM. The individualised file shows the value of this field for the top three ranked instance periods. This field is not shown in the instance period file.

## HESSTULOAD\_PX

55. This field contains STULOAD for the associated instance period. X is equal to the value of HESPERIODNUM. The individualised file shows the value of this field for the top three ranked instance periods.

## HESTTCID\_PX

56. This field contains TTCID for the associated instance period. X is equal to the value of HESPERIODNUM. The individualised file shows the value of this field for the top three ranked instance periods. This field is not shown in the instance period file.

## HESYEARPRG\_PX

57. This field contains YEARPRG for the associated instance period. X is equal to the value of HESPERIODNUM. The individualised file shows the value of this field for the top three ranked instance periods. This field is not shown in the instance period file.

## HESSTARTCASE

58. This field categorises the instance period's start date (HESPERIODSTART\_PX) in relation to the 2021-22 academic year and the anniversary of the start date of the instance (COMDATE). If an instance period started up to 14 days before the anniversary of the start date of the instance, it is treated as if it started in the 2021-22 year of instance, provided that it did not end before the anniversary of the start date of the instance. This field is only shown in the instance period file.

Value	Description	Definition
1	Instance period started before 1 August 2021	HESPERIODSTART_PX < 1 August 2021
2	Instance period started on or after 1 August 2021, and before anniversary of start date (COMDATE)	(HESPERIODSTART_PX < HESANNIV – 14 or HESPERIODEND_PX < HESANNIV) and not above
3	Instance period started on or after anniversary of start date (COMDATE)	HESPERIODSTART_PX ≥ HESANNIV – 14 and not above

## HESENDCASE

59. This field categorises the instance period's end date (HESPERIODEND\_PX) in relation to the 2021-22 academic year and the anniversary of the start date of the instance (COMDATE). This field is only shown in the instance period file.

Value	Description	Definition
1	Instance period ended before 1 August 2021	HESPERIODEND_PX < 1 August 2021

Value	Description	Definition
2	Instance period ended on or after 1 August 2021, and before anniversary of start date (COMDATE)	HESPERIODEND_PX < HESANNIV + 15 and HESPERIODSTART_PX < HESANNIV and not above
3	Instance period ended on or after anniversary of start date (COMDATE), and before 1 August 2022	HESPERIODEND_PX < 1 August 2022 and not above
4	Instance period ends on or after 1 August 2022, and before anniversary of start date (COMDATE) in following academic year	HESPERIODEND_PX < HESANNIV22 + 15 and not above
5	Instance period ends on or after anniversary of start date (COMDATE) in following academic year	HESPERIODEND_PX ≥ HESANNIV22 + 15

### HESENDDATE\_IN20

60. This field is the end date of the part of the instance period that occurred in the 2021-22 academic year for the year of instance that started in the 2020-21 academic year. This field is only shown in the instance period file.

Value	Description	Definition
HESPERIODEND_PX	Instance period ended on or after 1 August 2021, and before anniversary of start date (COMDATE)	HESENDCASE = 2
HESANNIV – 1	Instance period started before anniversary of start date (COMDATE), and ended on or after anniversary of start date	HESSTARTCASE = 1, 2 and HESENDCASE = 3, 4, 5
BLANK	Instance period started on or after anniversary of start date (COMDATE), or ended before 1 August 2021	Otherwise

### HESSTARTDATE\_AC21

61. This field is the start date of the part of the instance period that occurred in the 2021-22 academic year. This field is only shown in the instance period file.

Value	Description	Definition
01/08/2021	Instance period started before 1 August 2021, and ended on or after 1 August 2021	HESSTARTCASE = 1 and HESENDCASE = 2, 3, 4, 5
HESPERIODSTART_PX	Instance period started on or after 1 August 2021	HESSTARTCASE = 2, 3
BLANK	Instance period ended before 1 August 2021	Otherwise

## HESENDDATE\_AC21

62. This field is the end date of the part of the instance period that occurred in the 2021-22 academic year and in the 2021-22 year of instance. This field is only shown in the instance period file.

Value	Description	Definition
HESPERIODEND_PX	Instance period ended on or after anniversary of start date (COMDATE), and before 1 August 2022	HESENDCASE = 3
31/07/2022	Instance period ends on or after 1 August 2022	HESENDCASE = 4, 5
BLANK	Instance period ended before anniversary of start date (COMDATE)	Otherwise

## HESSTARTDATE\_IN21

63. This field is the start date of the part of the instance period that occurred in the 2021-22 year of instance. This field is only shown in the instance period file.

Value	Description	Definition
HESANNIV	Instance period started before anniversary of start date (COMDATE), and ends on or after anniversary of start date	HESSTARTCASE = 1, 2 and HESENDCASE = 3, 4, 5
HESPERIODSTART_PX	Instance period started on or after anniversary of start date (COMDATE)	HESSTARTCASE = 3
BLANK	Instance period ended before anniversary of start date (COMDATE)	Otherwise

## HESENDDATE\_IN21

64. This field is the end date of the part of the instance period that occurs in the 2022-23 academic year, but in the 2021-22 year of instance. This field is only shown in the instance period file.

Value	Description	Definition
HESPERIODEND_PX	Instance period ends on or after 1 August 2022, and before anniversary of start date (COMDATE) in following academic year	HESENDCASE = 4
HESANNIV22 – 1	Instance period ends on or after anniversary of start date (COMDATE) in following academic year	HESENDCASE = 5
BLANK	Instance period ended before 1 August 2022	Otherwise

## HESESFTE\_1

65. This field contains the estimated FTE for the part of the instance period that occurred in the 2021-22 academic year and the 2021-22 year of instance. This field is only shown in the instance period file.

Value	Description	Definition
$\frac{(((\text{HESENDDATE\_AC21} - \text{HESSTARTDATE\_IN21}) + 1) / ((\text{HESENDDATE\_AC21} - \text{HESSTARTDATE\_AC21}) + 1)) \times \text{HESSTULOAD\_PX}}$	Estimated FTE for 2021-22 year of instance between anniversary of start date (COMDATE) and 31 July 2022, inclusive	HESENDCASE = 3, 4, 5
0	No FTE because instance period ended before anniversary of start date (COMDATE)	Otherwise

## HESESFTE\_2

66. This field contains the estimated FTE for the part of the instance period that occurs in the 2022-23 academic year, but in the 2021-22 year of instance. This field is only shown in the instance period file.

Value	Description	Definition
$\frac{(((\text{HESENDDATE\_IN21} - 01/08/2022) + 1) / ((31/07/2022 - \text{HESSTARTDATE\_IN21}) + 1)) \times \text{HESESFTE\_1}}$	Estimated FTE for 2021-22 year of instance between 1 August 2022 and day before anniversary of start date (COMDATE) in following academic year, inclusive	HESENDCASE = 4, 5
0	No FTE because instance period ended before 1 August 2022	Otherwise

## HESESFTE\_3\_IN20

67. This field contains the estimated FTE for the part of the instance period that occurred in the 2021-22 academic year, but in the 2020-21 year of instance, for instance periods that started on or after 1 August 2021. This field is only shown in the instance period file.

Value	Description	Definition
HESSTULOAD_PX	Estimated FTE for 2020-21 year of instance between 1 August 2021 and day before anniversary of start date (COMDATE), inclusive, if instance period started on or after 1 August 2021 and ended before anniversary of start date	HESSTARTCASE = 2 and HESENDCASE = 2

Value	Description	Definition
$((\text{HESENDDATE\_IN20} - \text{HESSTARTDATE\_AC21}) + 1) / ((\text{HESENDDATE\_AC21} - \text{HESSTARTDATE\_IN21}) + 1) \times \text{HESESFTE\_1}$	Estimated FTE for 2020-21 year of instance between 1 August 2021 and day before anniversary of start date (COMDATE), inclusive, if instance period started on or after 1 August 2021 and before anniversary of start date, and ended on or after anniversary of start date	HESSTARTCASE = 2 and HESENDCASE = 3, 4, 5
0	No FTE because instance period started on or after anniversary of start date (COMDATE), or before 1 August 2021	Otherwise

## Instance period exclusions

68. Each instance period is assessed to determine whether it is included in the HESES21 population. The following derived fields explain the reasons for an instance period being excluded.

### HESEXCL1\_PX

69. Field indicating that a course aim of National Vocational Qualification (NVQ) or Qualified Teacher Status (QTS) only, or visiting students, is associated with the instance period. X is equal to the value of HESPERIODNUM. The individualised file shows the value of this field for the top three ranked instance periods.

Value	Description	Definition
1	NVQ or QTS only or visiting student course aim associated with the instance period	HESCOURSEAIM_PX = C43, E40, H43, H91, I71, I91, J43, J45, L91, M43, M45, M91
0	Otherwise	Otherwise

### HESEXCL2\_PX

70. Field indicating instance period with no qualification aim. X is equal to the value of HESPERIODNUM. The individualised file shows the value of this field for the top three ranked instance periods.

Value	Description	Definition
1	No qualification aim associated with the instance period	HESCOURSEAIM_PX = C99, H99, I99, J99, M99
0	Otherwise	Otherwise

## HESEXCL4\_PX

71. Field indicating student is taught mostly outside of the UK for the instance period. X is equal to the value of HESPERIODNUM. The individualised file shows the value of this field for the top three ranked instance periods.

Value	Description	Definition
1	Student taught mostly outside the UK for the instance period	HESLOCSDY_PX = S and HESMSTUFEE_PX ≠ 02, 03, 04, 52, 53, 54
0	Otherwise	Otherwise

## HESEXCL8\_PX

72. Field indicating student is dormant, on sabbatical or writing up for the instance period. X is equal to the value of HESPERIODNUM. The individualised file shows the value of this field for the top three ranked instance periods.

Value	Description	Definition
1	Student who is dormant, on sabbatical or writing up for the instance period	HESMODE_PX = 43, 44 or HESSTULOAD_PX = 0
0	Otherwise	Otherwise

## HESEXCL16\_PX

73. Field indicating incoming exchange student for the instance period. X is equal to the value of HESPERIODNUM. The individualised file shows the value of this field for the top three ranked instance periods.

Value	Description	Definition
1	Incoming exchange student for the instance period	HESEXCHIND_PX = 1
0	Otherwise	Otherwise

## HESEXCL32\_PX

74. Field indicating that the instance period started before 1 August 2021 (i.e. before the 2021-22 academic year) and ended before the anniversary of the start date (COMDATE) of the instance (i.e. before the 2021-22 year of instance). The individualised file shows the value of this field for the top three ranked instance periods.

Value	Description	Definition
1	Started before 2021-22 academic year and ended before 2021-22 year of instance	HESSTARTCASE = 1 and HESENDCASE = 1, 2
0	Otherwise	Otherwise



## HESEXCL\_PX

75. This field indicates whether the instance period is included in the HESES21 population. For instance periods excluded from the population, HESEXCL\_PX contains the sum of all applicable values from the table below. X is equal to the value of HESPERIODNUM. The individualised file shows the value of this field for the top three ranked instance periods.

Value	Description	Definition
1	NVQ or QTS only or visiting student course aim associated with the instance period	HESEXCL1_PX = 1
2	No qualification aim associated with the instance period	HESEXCL2_PX = 1
4	Student taught mostly outside the UK for the instance period	HESEXCL4_PX = 1
8	Student who is dormant, on sabbatical or writing up for the instance period	HESEXCL8_PX = 1
16	Incoming exchange student for the instance period	HESEXCL16_PX = 1
32	Started before 2021-22 academic year and ended before 2021-22 year of instance	HESEXCL32_PX = 1
0	Otherwise	None of the above

76. This field contains the exclusion reason(s) for the instance period. It is calculated as  $(1 \times \text{HESEXCL1\_PX}) + (2 \times \text{HESEXCL2\_PX}) + \dots + (32 \times \text{HESEXCL32\_PX})$ . The reason(s) which contribute to the exclusion of an instance period can therefore be calculated. For example, if HESEXCL\_PX = 10, by subtracting figures from the above table and starting at the bottom, we see that the instance period is associated with a student who is dormant, on sabbatical or writing up (HESEXCL8\_PX = 1) and that there is no qualification aim associated with the instance period (HESEXCL2\_PX = 1).

## Instance derived fields

77. The instance period with (HESPERIODNUM = 1) is used in the algorithms for the instance derived fields. Some of these derived fields are shown in the instance period file as well as the individualised file; these are: HESANNIV, HESANNIV22, HESCOMP, HESEXCL, HESHEALTHPOP, HESHEALTHPROF1-2, HESHEALTHPROP1-2, HESHEALTHYEAR, HESLENGTH, HESLEVEL, HESMODE, HESPRGA-D, HESREG and HESTYPE.

### HESANNIV

78. This field contains the anniversary of the start date (COMDATE) in the current academic year.

### HESANNIV22

79. This field contains the anniversary of the start date (COMDATE) in the following academic year. This field is only shown in the instance period file.

## HESREG

80. 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	HESANNIV < 2 December 2021
2	Column 2 student	Otherwise

## HESMODE

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

Value	Description	Definition
FTS	Full-time	HESMODE_P1 = 01 or (HESMODE_P1 = 23, 24 and HESLOCSDY_P1 ≠ D)
SWOUT	Sandwich year out	HESMODE_P1 = 23, 24 and HESLOCSDY_P1 = D
PT	Part-time	Otherwise

## HESHEALTHPROF1-2

82. These fields identify the profession(s) of a nursing, midwifery and allied health course.

Value	Description	Definition
DENTHE	Dental therapy	HESREGBODYX_P1 = 36
DENHYG	Dental hygiene	HESREGBODYX_P1 = 37
DIETET	Dietetics	HESREGBODYX_P1 = 44
NURSUN	Nursing - unclassified	HESREGBODYX_P1 = 06
NURSAD	Nursing - adult	HESREGBODYX_P1 = 61
NURSCH	Nursing - children	HESREGBODYX_P1 = 62
NURSLD	Nursing - learning disability	HESREGBODYX_P1 = 63
NURSMH	Nursing - mental health	HESREGBODYX_P1 = 64
MIDWIF	Midwifery	HESREGBODYX_P1 = 65
OCCTHE	Occupational therapy	HESREGBODYX_P1 = 46
OPDEPT	Operating department practice	HESREGBODYX_P1 = 47
ORTHOP	Orthoptics	HESREGBODYX_P1 = 48
ORTPRO	Orthotics and prosthetics	HESREGBODYX_P1 = 52
PHYSIO	Physiotherapy	HESREGBODYX_P1 = 50
PODCHI	Podiatry	HESREGBODYX_P1 = 42
RADTHE	Radiography (therapeutic)	HESREGBODYX_P1 = 56
RADDIA	Radiography (diagnostic)	HESREGBODYX_P1 = 57

Value	Description	Definition
SPELAN	Speech and language therapy	HESREGBODYX_P1 = 55
BLANK	Otherwise	Otherwise

## HESLEVEL

83. 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 (HESTTCID_P1 = 1, 2, Q or HESCOURSEAIM_P1 = H88 or (HESCOURSEAIM_P1 = M88 and HESINITIATIVES1_P1 ≠ U and HESINITIATIVES2_P1 ≠ U and HESINITIATIVES3_P1 ≠ U) or (HESCOURSEAIM_P1 = M16, M86, H62 and (HESHEALTHPROF1 ≠ BLANK or HESHEALTHPROF2 ≠ BLANK)))
PGT_ML	Postgraduate taught course eligible for masters' loans	FUNDLEV = 20, 21 and (HESCOURSEAIM_P1 = M00, M01, M02, M10, M11, M88 or (HESCOURSEAIM_P1 = M16 and HESHEALTHPROF1 = BLANK and HESHEALTHPROF2 = BLANK)) and (HESINITIATIVES1_P1 = U or HESINITIATIVES2_P1 = U or HESINITIATIVES3_P1 = U)
PGT_OTH	Postgraduate taught course that does not fall under the previous two categories	FUNDLEV = 20, 21 and not above
PGR	Postgraduate research	FUNDLEV = 30, 31

## HESEC

84. 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

Value	Description	Definition
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

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

Value	Description	Definition
HOMENF	Home fee non-fundable	(FUNDCODE = 1 and HESLEVEL = PGR) or (FUNDCODE = 2, 5, 7 and (HESEC = UK, IE or (HESEC = CROWN and HESLOCSDY_P1 ≠ 6, 9) or (HESEC = OEU and COMDATE < 1 August 2021)))
HOMEF	Home fee OfS-fundable	FUNDCODE = 1 and not above
ISOV	Overseas	Otherwise

## HESRESSTAT

86. 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
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

## HESLENGTH

87. 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

## HESCOMP

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

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

## HESCRSELGTH

89. 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, 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
SLENGTH	UNITLGTH = 1
SLENGTH / 12	UNITLGTH = 2
SLENGTH / 52	UNITLGTH = 3
6	UNITLGTH = 9
1	Otherwise

## HESMDV

90. 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 HESCOURSEAIM_P1 = H16, I16, M26 and HESREGBODY1_P1 = 01
UDEN	Undergraduate pre-clinical or clinical dentistry student	HESLEVEL = UG and HESCOURSEAIM_P1 = H16, I16, M26 and HESREGBODY1_P1 = 30
UVET	Undergraduate pre-clinical or clinical veterinary science student	HESLEVEL = UG and HESCOURSEAIM_P1 = H16, I16, M26 and HESREGBODY1_P1 = 14 and (HESSBJCA1_P1 = 100531, 101347, 101384 or HESSBJCA2_P1 = 100531, 101347, 101384 or HESSBJCA3_P1 = 100531, 101347, 101384 or HESSBJCA4_P1 = 100531, 101347, 101384 or HESSBJCA5_P1 = 100531, 101347, 101384)
OTH	Otherwise	Otherwise

## HESCLIN

91. 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 – HESYEARPRG_P1) = 0, 1, 2) or (HESMDV = UDEN and (HESCRSELGTH – HESYEARPRG_P1) = 0, 1, 2, 3) or (HESMDV = UVET and (HESCRSELGTH – HESYEARPRG_P1) = 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 (HESSBJCA1_P1 = 100266, 100267, 100494 or HESSBJCA2_P1 = 100266, 100267, 100494 or HESSBJCA3_P1 = 100266, 100267, 100494 or HESSBJCA4_P1 = 100266, 100267, 100494 or HESSBJCA5_P1 = 100266, 100267, 100494)
3	Postgraduate clinical veterinary science student assigned to price group A	HESLEVEL = PGR, PGT_ML, PGT_OTH, PGT_UGF and (HESSBJCA1_P1 = 100531, 101347 or HESSBJCA2_P1 = 100531, 101347 or HESSBJCA3_P1 = 100531, 101347 or HESSBJCA4_P1 = 100531, 101347 or HESSBJCA5_P1 = 100531, 101347)
0	Otherwise	Otherwise

## HESPRGA, HESPRGB, HESPRGC11, HESPRGC12, HESPRGC2, HESPRGD

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

Field name	Definition	Value
HESPRGC2	HESMODE = SWOUT	1
HESPRGA	HESCLIN = 1, 2, 3 or (HESCOURSEAIM_P1 = H16, H62, I16, J26, M16, M26, M86 and (HESHEALTHPROF1 = DENHYG, DENTHE or HESHEALTHPROF2 = DENHYG, DENTHE)) and not above	1
HESPRGB	HESCOURSEAIM_P1 = H16, H62, I16, J26, M16, M26, M86 and (HESHEALTHPROF1 = DIETET, MIDWIF, OCCTHE, OPDEPT, ORTHOP, ORTPRO, PHYSIO, PODCHI, RADTHE, RADDIA, SPELAN or HESHEALTHPROF2 = DIETET, MIDWIF, OCCTHE, OPDEPT, ORTHOP, ORTPRO, PHYSIO, PODCHI, RADTHE, RADDIA, SPELAN) and not above	1

Field name	Definition	Value
HESPRGC11	HESCOURSEAIM_P1 = 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
HESPRGC2	HESTTCID_P1 = 1, 2, 5, Q or HESREGBODY1_P1 = 16 or HESREGBODY2_P1 = 16 and not above	1
HESPRGB	HESBJCAX_P1 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 HESBJCAX_P1 = 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 HESBJCAX_P1 = 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 HESBJCAX_P1 = 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 HESBJCAX_P1 = 100186, 100222, 100230, 100560, 101356), CAH10-03-07, CAH15-01-04 (only when HESBJCAX_P1 = 101218), CAH26-01-04, CAH26-01-06  and not above	Sum of HESBJPCNT1_P1, HESBJPCNT2_P1, HESBJPCNT3_P1, HESBJPCNT4_P1, HESBJPCNT5_P1 divided by 100
HESPRGC11	HESBJCAX_P1 corresponds to one of the following Common Aggregation Hierarchy codes:  CAH11, CAH20-01-03, CAH26-01-05 (only when HESBJCAX_P1 = 100369)  and not above	Sum of HESBJPCNT1_P1, HESBJPCNT2_P1, HESBJPCNT3_P1, HESBJPCNT4_P1, HESBJPCNT5_P1 divided by 100
HESPRGC12	HESBJCAX_P1 corresponds to one of the following Common Aggregation Hierarchy codes:  CAH10-01-03 (only when HESBJCAX_P1 = 100109, 100110), CAH24-01-01, CAH24-01-03, CAH24-01-04, CAH24-01-05, CAH25  and not above	Sum of HESBJPCNT1_P1, HESBJPCNT2_P1, HESBJPCNT3_P1, HESBJPCNT4_P1, HESBJPCNT5_P1 divided by 100

Field name	Definition	Value
HESPRGC2	<p>HESSBJCAX_P1 corresponds to one of the following Common Aggregation Hierarchy codes:</p> <p>CAH02-04, CAH02-06-04, CAH02-06-05, CAH02-06-06 (only when HESSBJCAX_P1 = 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 HESSBJCAX_P1 = 100213), CAH10-01-07 (only when HESSBJCAX_P1 = 100219, 100548, 100549, 101048), CAH10-03-06 (only when HESSBJCAX_P1 = 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 HESSBJCAX_P1 = 101056)</p> <p>and not above</p>	Sum of HESSBJPCNT1_P1, HESSBJPCNT2_P1, HESSBJPCNT3_P1, HESSBJPCNT4_P1, HESSBJPCNT5_P1 divided by 100
HESPRGD	<p>HESSBJCAX_P1 corresponds to one of the following Common Aggregation Hierarchy codes:</p> <p>CAH06-01-04, CAH15-01-01, CAH15-01-02, CAH15-01-03, CAH15-01-04 (only when HESSBJCAX_P1 = 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</p> <p>and not above</p>	Sum of HESSBJPCNT1_P1, HESSBJPCNT2_P1, HESSBJPCNT3_P1, HESSBJPCNT4_P1, HESSBJPCNT5_P1 divided by 100

## HESBROADLEVEL

93. This field shows the broad level of study in 2021-22 for the purpose of determining 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

## HESUG19

94. 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 Alternative record (HESLEVEL in 2019-20 = UG and HESEXCL in 2019-



20 = 0). This field will be blank if no Student Alternative data is available for the provider in 2019-20.

## **HESUG20**

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

## **HESPGT19**

96. 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 Alternative record (HESLEVEL in 2019-20 = PGT\_ML, PGT\_OTH, PGT\_UGF and HESEXCL in 2019-20 = 0). This field will be blank if no Student Alternative data is available for the provider in 2019-20.

## **HESPGT20**

97. 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 Alternative 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 Alternative data is available for the provider in 2020-21.

## **HESPGR19**

98. This field indicates how many postgraduate research 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 Alternative record (HESLEVEL in 2019-20 = PGR and HESEXCL in 2019-20 = 0). This field will be blank if no Student Alternative data is available for the provider in 2019-20.

## **HESPGR20**

99. This field indicates how many postgraduate research 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 Alternative record (HESLEVEL in 2020-21 = PGR and HESEXCL in 2020-21 = 0). This field will be blank if no Student Alternative data is available for the provider in 2020-21.

## **HESNEWENTRANT**

100. This field indicates whether the student is a new entrant.

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

101. 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.

### HESHEALTHPROP1

102. 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

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

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

### HESHEALTHYEAR

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

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

## HESHEALTHPOP

105. This field identifies students that will be included in Tables 6a, 6b and 6c. The population is defined in the HESES21 guidance (Annex L, paragraph 2).

Value	Description	Definition
1	Included in Tables 6a, 6b and 6c	HESEXCL = 0 and HESCOURSEAIM_P1 = 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

## HESDISALL

106. This field indicates whether the student is receiving Disabled Students' Allowances. This field is not used in the HESES21 comparison, but may be used in the 2023-24 Student access and success allocation.

Value	Description	Definition
1	Student is receiving Disabled Students' Allowance	At least one HESDISALL_PX <sup>†</sup> = 4
0	Otherwise	Otherwise

<sup>†</sup> This refers to all instance periods beyond the three that are shown.

## Instance exclusions

107. The instance is assessed to determine whether it is included in the HESES21 population. The following derived fields explain the reasons for an instance being excluded.

### HESEXCL1

108. 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

### HESEXCL2

109. Field indicating National Vocational Qualification (NVQ) or Qualified Teacher Status (QTS) only or visiting students.

Value	Description	Definition
1	NVQ or QTS only or visiting student course aim associated with the first ranked instance period	HESEXCL1_P1 = 1
0	Otherwise	Otherwise

#### HESEXCL4

110. Field indicating students with no qualification aim.

Value	Description	Definition
1	No qualification aim associated with the first ranked instance period	HESEXCL2_P1 = 1
0	Otherwise	Otherwise

#### HESEXCL8

111. 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

#### HESEXCL16

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

Value	Description	Definition
1	Student taught mostly outside of the UK for the first ranked instance period	HESEXCL4_P1 = 1
0	Otherwise	Otherwise

#### HESEXCL32

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

Value	Description	Definition
1	Student who is dormant, sabbatical or writing up for the first ranked instance period	HESEXCL8_P1 = 1
0	Otherwise	Otherwise

#### HESEXCL64

114. Field indicating incoming exchange students.

Value	Description	Definition
1	Incoming exchange student for the first ranked instance period	HESEXCL16_P1 = 1
0	Otherwise	Otherwise

### HESEXCL128

115. Field indicating students with a total FTE of less than 3. HESESFTE\_INCLEST in the algorithm below is the sum of the values of HESESFTE\_INCLEST for all instance periods included in the HESES21 population, which can be found by filtering the instance period file. The instance must have at least one instance period included in the HESES21 population (HESEXCL\_P1 = 0).

Value	Description	Definition
1	Student with a total FTE of less than 3	(HESMODE = PT and HESEXCL_P1 = 0 and HESESFTE_INCLEST < 3) or HESEXCL32_P1 = 1
0	Otherwise	Otherwise

### HESEXCL256

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

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

### HESEXCL512

117. 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	ENDDATE ≠ BLANK and (ENDDATE < 2 December 2021 or ENDDATE – COMDATE < 14) and FUNDCOMP = 2
0	Otherwise	Otherwise

### HESEXCL

118. This field indicates whether the instance is included in the HESES21 population. For instances excluded from the population, HESEXCL contains the sum of all applicable values from the table below.

Value	Description	Definition
1	Student not active in academic year	HESEXCL1 = 1
2	NVQ, QTS only or visiting student	HESEXCL2 = 1
4	Student with no qualification aim	HESEXCL4 = 1
8	Student explicitly excluded from the HESES population	HESEXCL8 = 1
16	Student taught mostly outside of the UK	HESEXCL16 = 1
32	Student who is dormant, sabbatical or writing up	HESEXCL32 = 1
64	Incoming exchange student	HESEXCL64 = 1
128	Student with a total FTE of less than 3	HESEXCL128 = 1
256	Student on non-standard year of instance in final year of study	HESEXCL256 = 1
512	Student who withdrew before 2 December 2021 or left within 14 days of starting the instance without completing	HESEXCL512 = 1
0	Otherwise	None of the above

119. This field contains the exclusion reason(s) for the instance. It is calculated as  $(1 \times \text{HESEXCL1}) + (2 \times \text{HESEXCL2}) + (4 \times \text{HESEXCL4}) + \dots + (512 \times \text{HESEXCL512})$ . The reason(s) which contribute to the exclusion of an instance can therefore be calculated. For example, if HESEXCL = 516, by subtracting figures from the above table and starting at the bottom, we see that the student withdrew before 2 December 2021 or left within 14 days of starting the instance without completing (HESEXCL512 = 1) and that the student does not have a qualification aim (HESEXCL4 = 1).

## Overrides

### 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 HESMODE (HESOVER = 8), HESREG (HESOVER = 2) and HESEXCL (HESOVER = 1) applied.

Value	Description
1	Override to HESEXCL
2	Override to HESREG
4	Override to HESTYPE
8	Override to HESMODE
16	Override to HESLEVEL
32	Override to HESPRGA, HESPRGB, HESPRGC11, HESPRGC12, HESPRGC2 or HESPRGD
64	Override to HESNEWENTRANT
128	Override to HESHEALTHPOP
256	Override to HESESFTE

Value	Description
512	Override to HESLENGTH
1024	Override to HESHEALTHPROP1/2
2048	Override to HESCOMP
0	Otherwise

## Estimating FTE

121. The following derived fields estimate the FTE from each instance period for the 2021-22 year of instance. The FTE of a part-time year of instance is estimated from the HESSTULOAD\_PX values of all instance periods of the instance in the 2021-22 academic year that are not excluded by an instance period exclusion field. The HESPERIODSTART\_PX and HESPERIODEND\_PX dates of each instance period are categorised, and the categories are used to calculate the proportion of HESSTULOAD\_PX that can be attributed to the 2021-22 year of instance.

### HESESFTE\_EXCLEST

122. This is the estimated FTE from the instance period for the 2021-22 year of instance. It is the sum of HESESFTE\_1 and HESESFTE\_2. If HESPERIODSTART\_PX indicates that there could be an instance period in the following academic year which starts before the anniversary of the start date of the instance, the value of this field does not include an estimate of the FTE from this period.

### HESESFTE\_INCLEST

123. This is the estimated FTE from the instance period for the 2021-22 year of instance, plus an estimate of the FTE from an instance period which starts before the anniversary of the start date of the instance in the following academic year, if HESPERIODSTART\_PX indicates that there could be such an instance period in the following academic year. It is the sum of HESESFTE\_1, HESESFTE\_2 and HESESFTE\_3\_IN20.

124. In the instance period file (HES21\_DCT\_XXXXXXXX\_INSTPER.csv) HESESFTE\_INCLEST is shown as calculated.

125. In the individualised file (HES21\_DCT\_XXXXXXXX\_IND.csv) HESEXCL\_INCLEST is instead shown as:

Value	Definition
100	HESEXCL = 0 and HESMODE = FTS
50	HESEXCL = 0 and HESMODE = SWOUT
Sum of HESESFTE_INCLEST for all instance periods included in the HESES21 population for this instance (capped at 100)	HESEXCL = 0 and HESMODE = PT and HESEXCL_PX = 0
0	Otherwise

**FTEA\_EXCLEST, FTED\_EXCLEST, FTFC11\_EXCLEST, FTFC12\_EXCLEST, FTFC2\_EXCLEST, FTED\_EXCLEST**

126. The estimated FTE of the activity assigned to each price group, excluding the estimate of FTE from an instance period starting in the following academic year (where applicable), is contained in the five FTE fields as shown in the table below. These fields are calculated by multiplying the appropriate price group field (HESPRGA, HESPRGB, HESPRGC11, HESPRGC12, HESPRGC2, HESPRGD) by HESESFTE\_EXCLEST. Note that the contributions to Column 4 are derived from the instance period with (HESPERIODNUM = 1).

Field	Definition
FTEA_EXCLEST	HESPRGA x HESESFTE_EXCLEST
FTED_EXCLEST	HESPRGB x HESESFTE_EXCLEST
FTFC11_EXCLEST	HESPRGC11 x HESESFTE_EXCLEST
FTFC12_EXCLEST	HESPRGC12 x HESESFTE_EXCLEST
FTFC2_EXCLEST	HESPRGC2 x HESESFTE_EXCLEST
FTED_EXCLEST	HESPRGD x HESESFTE_EXCLEST

**FTEA\_INCLEST, FTED\_INCLEST, FTFC11\_INCLEST, FTFC12\_INCLEST, FTFC2\_INCLEST, FTED\_INCLEST**

127. The estimated FTE of the activity assigned to each price group, including the estimate of FTE from an instance period starting in the following academic year (where applicable), is contained in the five FTE fields as shown in the table below. These fields are calculated by multiplying the appropriate price group field (HESPRGA, HESPRGB, HESPRGC11, HESPRGC12, HESPRGC2, HESPRGD) by HESESFTE\_INCLEST. Note that the contributions to Column 4 are derived from the instance period with (HESPERIODNUM = 1).

Field	Definition
FTEA_INCLEST	HESPRGA x HESESFTE_INCLEST
FTED_INCLEST	HESPRGB x HESESFTE_INCLEST
FTFC11_INCLEST	HESPRGC11 x HESESFTE_INCLEST
FTFC12_INCLEST	HESPRGC12 x HESESFTE_INCLEST
FTFC2_INCLEST	HESPRGC2 x HESESFTE_INCLEST
FTED_INCLEST	HESPRGD x HESESFTE_INCLEST





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