

## Appendix 1

### Links between the HESA 2007-08 student record and HESES07

1. We will use the HESA 2007-08 student record to monitor data returned on HESES07. The description in this appendix is for information only, and details the methods we intend to adopt when re-creating HESES07 data from the HESA 2007-08 student record. Following the redevelopment of the HESA student record for 2007-08 (see [hesa.ac.uk](http://hesa.ac.uk)) we need to make a number of changes to the HESES07 re-creation algorithms; this appendix details these algorithms in full (not just where they have changed since the HESES06 re-creation).
2. Given the extent of the redevelopment we may need to refine these algorithms. However, we would expect that any changes will be relatively minor. We would also welcome any comments on the suitability of the algorithms; these should be sent to Anne Southworth (e-mail: [hesa\\_heses\\_stats@hefce.ac.uk](mailto:hesa_heses_stats@hefce.ac.uk)).
3. If we find, either through comparisons with HESA data or any audit, that erroneous data have resulted in institutions receiving incorrect funding allocations, we will adjust their funding accordingly (subject to the appeals process and the availability of funds).

### HESES07 re-creation algorithms

#### HESA fields used in the re-creation

4. Only certain fields, detailed in Table 1, will be used to generate the HESES07 re-creation. Throughout this appendix, fields taken from the HESA return or derived as part of the re-creation are shown in capitals using the names given in Tables 1, 2 and 3.

Table 1 **Fields used in the re-creation**

Entity	Field	Description
Course	COURSEAIM	General qualification aim of course
Course	MSFUND	Major source of funding
Course	REDUCEDC	Reduced course return indicator
Course	REGBODY	Regulatory body for health and social care students
Course	TTCID	Teacher training course
Course subject	SBJCA	Subject of course
Entry profile	DOMICILE	Domicile
Entry profile	QUALENT2	Highest qualification on entry
Instance	BRIDGE	Foundation degree to degree bridging course
Instance	COMDATE	Start date of instance
Instance	ENDDATE	End date of instance
Instance	EXCHANGE	Exchange programmes
Instance	FEEELIG	Fee eligibility
Instance	FUNDCODE	Fundability code
Instance	FUNDCOMP	Completion of year of instance

Instance	FUNDLEV	Level applicable to funding council HESES
Instance	LOADYRA	FTE in year A
Instance	LOADYRB	FTE in year B
Instance	LOCSDY	Location of study
Instance	MCDATE	Change of mode date
Instance	MODE	Mode of study
Instance	NUMHUS	Student instance identifier
Instance	QTS	Qualified Teacher Status
Instance	REDUCEDI	Reduced instance return indicator
Instance	SPECFEE	Special fee indicator
Instance	SPLENGTH	Expected length of study
Instance	STULOAD	Student instance FTE
Instance	TYPEYR	Type of instance year
Instance	UNITLGTH	Units of length
Instance	YEARPRG	Year of course
Instance	YEARSTU	Year of student on this instance
Institution	INSTAPP	Indicator for HEFCE funding approximations
Institution	UKPRN	UK Provider Reference Number
Module	FTE	Module FTE
Module	MODID	Module identifier
Module subject	COSTCN	Cost centre
Module subject	MODSBJ	Subject of module
Module subject	MODSBJP	Subject / cost centre percentage
Student	HUSID	HESA unique student identifier
Student on module	MODSTAT	Module status
Student on module	MODYR	Module year

### Linking instances between years

5. We will link the 2007-08 HESA student data to HESA student data from 1998-99 onwards using the HUSID, institution identifier, NUMHUS (HIN) triple. This will help account for definitional differences between HESA and HESES data.
6. These data from earlier years will be used to help determine the following:
  - a. Instance attributes for the first countable year for students who are generating two countable years (where one of the countable years is not a foundation degree bridging course).
  - b. FTE and price group distribution for final year students on non-standard academic years.

7. For 'a' above, only records from 2006-07 will be included. For 'b', records from all years will be used.

**Table 7**

8. The algorithms for re-creating Table 7 are given separately in paragraphs 57-65.

**Description of HESES07 re-creation derived fields – Tables 1a, 1b, 2, 3, 4 and 6**

9. Here we give details of the derived fields that will be used to build the key dimensions of Tables 1a, 1b, 2, 3, 4 and 6 of the HESES07 re-creation.

**Table 2 HESES07 re-creation derived fields**

<b>Derived field name</b>	<b>Description</b>	<b>Paragraph</b>
ANNIV	Anniversary of start date in academic year	36
ATT_LINK	Flag indicating whether linking was used for course attributes	37-38
AVRGLOAD	Average load	54
CRSELGTH	Expected length of the course in years	50
FDBRIDGE	Flag indicating student on foundation degree bridging course	39
FDTEACH	Flag indicating student on a foundation degree teaching assistant course	31
FTE_CASE	Indicator showing how HESESFTE was calculated	18-19
FTE_LINK	Flag indicating whether a link to the first year was used to calculate FTE	51
FTE_TY06	Method used to return FTE for non-standard academic years on HESES06	45-49
HESCOMP	HESES completion of year of instance indicator	16
HESESFTE	FTE of the year of instance	20-21
HESEXCL	Reason for exclusion from the HESES population	10
HESFEELV	Fee level	34
HESLEVEL	Level of study	12
HESLLN2	Flag indicating whether the student is registered as part of a model 2 LLN initiative	17
HESMED	Table 1b inclusion flag	33
HESMODE	Mode of study	11
HESNHS	NHS bursary group	56
HESREG	Column 1 or 2 indicator	15
HESTYPE	Fundability status	14
HHTOTFTE	Total module FTE	22
LENGTH	Flag indicating long or standard length years of instance	13
LOW_FTE	Flag indicating students on low-credit bearing courses	35

PRGA PRGB PRGC PRGD PRGMEDIA PRGITT PRGINSET	Proportion of countable year in each price group	24-30
PROP	Proportion of FTE	55
STUBID	Unique countable year of instance identifier	40-43
STULOAYY	STULOAD value from HESA record in year YRSTULOA	52
TAIL	Flag indicating final year of instance	44
XPRP101	Cost centre/subject proportion	23
YRSTULOA	Year of HESA record which populates STULOAYY	53

### HESEXCL (HESES population)

10. This field indicates whether the student will be included in Tables 1a, 2 or 3 of the HESES07 re-creation. For students excluded from the re-creation, HESEXCL contains the sum of all applicable values from the table below. Students included in the re-creation have HESEXCL = 0.

Value	Description	Definition
1	Not active in academic year	ENDDATE < 1 August 2007
2	FE, NVQ or QTS only students	COURSEAIM = C41, C42, C43, H91, I71, I74, I91, J41, J42, J43, J45, L91, M91 and P-X
4	Students with no qualification aim	COURSEAIM = C99, H99, I99, J99, L99, M99, X99
8	Students explicitly excluded from the HESES07 population	FUNDLEV = 99 or FUNDCOMP = 9
32	Dormant, sabbatical or students writing up	MODE = 63, 64 or (MODE = 43, 44, 51, 73, 74 and MCDATE = BLANK)
64	Incoming exchange students	EXCHANGE = 1, 2, 3, 4, 6
128	Students with an FTE of less than 0.03	HESESFTE <sup>†</sup> < 3
256	Students on non-standard academic years in first academic year	TYPEYR = 2, 3 and COMDATE > 31 July 2007
512	Students on standard academic years who withdrew before 2 December 2007 or students on non-standard academic years who withdrew before the anniversary of their start date	ENDDATE < 2 December 2007 and FUNDCOMP = 2 and (TYPEYR = 1 or COMDATE > 31 July 2007 or (ENDDATE < ANNIV <sup>‡</sup> and TYPEYR = 2, 4, 5))

1024	No cost centre information and FTE of at least 0.03	HESESFTE <sup>†</sup> ≥ 3 and (PRGA + PRGB + PRGC + PRGD + PRGMEDIA + PRGINSET + PRGITT) <sup>ψ</sup> = 0
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<sup>†</sup> See paragraphs 20-21 for the algorithms for HESESFTE.

<sup>‡</sup> See paragraph 36 for the algorithm for ANNIV.

<sup>ψ</sup> See paragraphs 24-30 for the algorithms for these derived fields.

### HESMODE (HESES mode)

11. This field allocates students to mode of study.

Value	Description	Definition
FTS	Full-time	MODE = 01, 52, 53 or (MODE = 43, 51, 73 and MCDATE > 31 July 2007) or (MODE = 23, 24 and SPECFEE ≠ 1)
SWOUT	Sandwich year-out	MODE = 23, 24 and SPECFEE = 1 and LOCSDY = D, E, F, G
PT	Part-time	Otherwise

### HESLEVEL (HESES level)

12. This field allocates students to level of study.

Value	Description	Definition
FD	Foundation degree	FUNDLEV = 10, 11 and COURSEAIM = J10, J16 and (HESFEELV <sup>†</sup> ≠ FDBC)
UGX	Undergraduate excluding foundation degree	FUNDLEV = 10, 11 and not above
PGT	Postgraduate taught	FUNDLEV = 20, 21
PGR	Postgraduate research	FUNDLEV = 30, 31

<sup>†</sup> See paragraph 34 for the algorithm for HESFEELV.

### LENGTH (HESES length)

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

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

### HESTYPE (HESES fundability status)

14. This field allocates students to the four categories of fundability and residential status.

<b>Value</b>	<b>Description</b>	<b>Definition</b>
HOMEF	Home and EC HEFCE funded	FUNDCODE = 1 and HESLEVEL ≠ PGR
HOMEIF	Home and EC independently funded	FUNDCODE = 4 and HESLEVEL ≠ PGR
HOMENF	Home and EC non-fundable	(FUNDCODE = 2, 5, 7 and FEEELIG = 1, 3) or (FUNDCODE = 1, 4 and HESLEVEL = PGR)
ISOV	Island and overseas	Otherwise

### **HESREG (HESES Column 1 and 2 indicator)**

15. This field indicates whether the student will appear in Column 1 or 2 of the HESES07 re-creation.

<b>Value</b>	<b>Description</b>	<b>Definition</b>
1	Included in Column 1	(TYPEYR = 1 and ANNIV <sup>†</sup> < 2 December 2007) or TYPEYR = 2, 4 or 5
2	Included in Column 2	Otherwise

<sup>†</sup> See paragraph 36 for the algorithm for ANNIV.

### **HESCOMP (HESES Column 3 and 4 indicator)**

16. This field indicates whether the student will appear in Column 3 or 4 of the HESES07 re-creation.

<b>Value</b>	<b>Description</b>	<b>Definition</b>
3	Included in Column 3	FUNDCOMP = 2
4	Included in Column 4	Otherwise

### **HESLLN2 (HESES model 2 LLN indicator)**

17. This field indicates whether the student is registered as part of a model 2 LLN initiative.

<b>Value</b>	<b>Description</b>	<b>Definition</b>
1	Student is registered as part of a model 2 LLN initiative	Institution-specific algorithm and HESTYPE = HOMENF
0	Otherwise	Otherwise

### **Calculation of FTE**

#### FTE\_CASE

18. For part-time non-standard academic years, or when two instance of study are generated, the method used to calculate HESESFTE is dependent on the following factors:

- a. Number of countable years of instance generated in the HESES07 re-creation.

- b. Whether the year of instance is the last or not.
- c. Method used to return FTE in HESES06.
- d. Duration of instance.

19. The table below shows how we identify different cases of FTE calculation for part-time (HESMODE = PT) non-standard years of instance (TYPEYR = 2, 4, 5).

Value	Description	Definition
1	One year generated and the instance is not in the final year <sup>†</sup>	ATT_LINK <sup>‡</sup> = 0 and TAIL <sup>ψ</sup> = 0
2	One year generated, the instance is in the final year and the 100:0 method was used for HESES06 <sup>†</sup>	ATT_LINK <sup>‡</sup> = 0 and TAIL <sup>ψ</sup> = 1 and FTE_TY06 <sup>φ</sup> = 3
3	One year generated, the instance is in the final year, the 0:100 method was used for HESES06 and the duration of the instance is greater than one year <sup>†</sup>	ATT_LINK <sup>‡</sup> = 0 and TAIL <sup>ψ</sup> = 1 and FTE_TY06 <sup>φ</sup> = 4 and CRSELGTH <sup>Ω</sup> > 1
4	One year generated, the instance is in the final year, the 0:100 method was used for HESES06 and the duration of the instance is one year <sup>†</sup>	ATT_LINK <sup>‡</sup> = 0 and TAIL <sup>ψ</sup> = 1 and FTE_TY06 <sup>φ</sup> = 4 and CRSELGTH <sup>Ω</sup> = 1
5	One year generated, the instance is in the final year, the split FTE method was used for HESES06 and a link was made to the first year <sup>†</sup>	ATT_LINK <sup>‡</sup> = 0 and FTE_TY06 <sup>φ</sup> = 2 and FTE_LINK <sup>φ</sup> = 1
6	One year generated, the instance is in the final year, the split FTE method was used for HESES06, no link was made to the first year and the duration of the instance is greater than one year <sup>†</sup>	ATT_LINK <sup>‡</sup> = 0 and TAIL <sup>ψ</sup> = 1 and FTE_TY06 <sup>φ</sup> = 2 and FTE_LINK <sup>φ</sup> = 0 and CRSELGTH <sup>Ω</sup> > 1
7	One year generated, the instance is in the final year, the split FTE method was used for HESES06, no link was made to the first year and the duration of the instance is one year <sup>†</sup>	ATT_LINK <sup>‡</sup> = 0 and TAIL <sup>ψ</sup> = 1 and FTE_TY06 <sup>φ</sup> = 2 and FTE_LINK <sup>φ</sup> = 0 and CRSELGTH <sup>Ω</sup> = 1
<i>Two year generated and the 100:0 method was used for HESES06<sup>†</sup></i>		
8a	First year	ATT_LINK <sup>‡</sup> = 1 and FTE_TY06 <sup>φ</sup> = 3 and STUBID <sup>ω</sup> = 1
8b	Second year	ATT_LINK <sup>‡</sup> = 1 and FTE_TY06 <sup>φ</sup> = 3 and STUBID <sup>ω</sup> = 2
<i>Two years generated, the 0:100 method was used for HESES06 and the duration of the</i>		

<i>instance is greater than two years<sup>†</sup></i>		
9a	First year	ATT_LINK <sup>‡</sup> = 1 and FTE_TY06 <sup>Φ</sup> = 4 and CRSELGTH <sup>Ω</sup> > 2 STUBID <sup>ω</sup> = 1
9b	Second year	ATT_LINK <sup>‡</sup> = 1 and FTE_TY06 <sup>Φ</sup> = 4 and CRSELGTH <sup>Ω</sup> > 2 and STUBID <sup>ω</sup> = 2
<i>Two years generated, the 0:100 method was used for HESES06 and the duration of the instance two years<sup>†</sup></i>		
10a	First year	ATT_LINK <sup>‡</sup> = 1 and FTE_TY06 <sup>Φ</sup> = 4 and CRSELGTH <sup>Ω</sup> = 2 and STUBID <sup>ω</sup> = 1
10b	Second year	ATT_LINK <sup>‡</sup> = 1 and FTE_TY06 <sup>Φ</sup> = 4 and CRSELGTH <sup>Ω</sup> = 2 and STUBID <sup>ω</sup> = 2
<i>Two years generated, the split FTE method was used for HESES06 and a link was made to the first year<sup>†</sup></i>		
11a	First year	ATT_LINK <sup>‡</sup> = 1 and FTE_TY06 <sup>Φ</sup> = 2 and FTE_LINK <sup>Φ</sup> = 1 and STUBID <sup>ω</sup> = 1
11b	Second year	ATT_LINK <sup>‡</sup> = 1 and FTE_TY06 <sup>Φ</sup> = 2 and FTE_LINK <sup>Φ</sup> = 1 and STUBID <sup>ω</sup> = 2
<i>Two years generated, the split FTE method was used for HESES06, no link was made to the first year and the duration of the instance is greater than two years<sup>†</sup></i>		
12a	First year	ATT_LINK <sup>‡</sup> = 1 and FTE_TY06 <sup>Φ</sup> = 2 and FTE_LINK <sup>Φ</sup> = 0 and CRSELGTH <sup>Ω</sup> > 2 and STUBID <sup>ω</sup> = 1
12b	Second year	ATT_LINK <sup>‡</sup> = 1 and FTE_TY06 <sup>Φ</sup> = 2 and FTE_LINK <sup>Φ</sup> = 0 and CRSELGTH <sup>Ω</sup> > 2 and STUBID <sup>ω</sup> = 2



Two years generated, the split FTE method was used for HESES06, no link was made to the first year and the duration of the instance is two years<sup>†</sup>

13a	First year	ATT_LINK <sup>‡</sup> = 1 and FTE_TY06 <sup>Φ</sup> = 2 and FTE_LINK <sup>Φ</sup> = 0 and CRSELGTH <sup>Ω</sup> = 2 and STUBID <sup>ω</sup> = 1
13b	Second year	ATT_LINK <sup>‡</sup> = 1 and FTE_TY06 <sup>Φ</sup> = 2 and FTE_LINK <sup>Φ</sup> = 0 and CRSELGTH <sup>Ω</sup> = 2 and STUBID <sup>ω</sup> = 2

<sup>†</sup> In the absence of two years' data we will not use LOADYRA and LOADYRB for this calculation. However, in future years where INSTAPP = 1, these data will be used.

<sup>‡</sup> See paragraphs 37-38 for the algorithm for ATT\_LINK.

<sup>Ψ</sup> See paragraph 44 for the algorithm for TAIL.

<sup>Φ</sup> See paragraphs 45-49 for the description of FTE\_TY06.

<sup>Ω</sup> See paragraph 50 for the algorithm for CRSELGTH.

<sup>Φ</sup> See paragraph 51 for the algorithm for FTE\_LINK.

<sup>ω</sup> See paragraphs 40-43 for the algorithm for STUBID.

## HESESFTE (HESES FTE)

20. This field contains the FTE we assume for the year of instance in Column 4a of the HESES07 re-creation.

FTE_CASE	Value
0	STULOAD
1	STULOAD
2	STULOAYY <sup>‡</sup> (note that YRSTULOA <sup>Ψ</sup> will be 2006)
3	STULOAYY <sup>‡</sup> (note that YRSTULOA <sup>Ψ</sup> will be 2006)
4	AVRGLOAD <sup>Φ</sup>
5	STULOAD + STULOAYY <sup>‡</sup>
6	STULOAYY <sup>‡</sup> (note that YRSTULOA <sup>Ψ</sup> will be 2006)
7	AVRGLOAD <sup>Φ</sup>
8a	STULOAYY <sup>‡</sup> (note that YRSTULOA <sup>Ψ</sup> will be 2006)
8b	STULOAD x PROP <sup>Ω</sup>
9a	STULOAYY <sup>‡</sup> (note that YRSTULOA <sup>Ψ</sup> will be 2006)
9b	STULOAD x PROP <sup>Ω</sup>
10a	AVRGLOAD <sup>Φ</sup>
10b	STULOAD x PROP <sup>Ω</sup>
11a	(STULOAD + STULOAYY <sup>‡</sup> ) – (STULOAD x PROP <sup>Ω</sup> )

11b	STULOAD x PROP <sup>Ω</sup>
12a	STULOAYY <sup>‡</sup> (note that YRSTULOAA <sup>Ψ</sup> will be 2006)
12b	STULOAD x PROP <sup>Ω</sup>
13a	AVRGLOAD <sup>Φ</sup>
13b	STULOAD x PROP <sup>Ω</sup>

<sup>†</sup> See paragraphs 37-38 for the algorithm for ATT\_LINK.

<sup>‡</sup> See paragraph 52 for the algorithm for STULOAYY.

<sup>Ψ</sup> See paragraph 53 for the algorithm for YRSTULOAA.

<sup>Φ</sup> See paragraph 54 for the algorithm for AVRGLOAD.

<sup>Ω</sup> See paragraph 55 for the algorithm for PROP.

21. HESESFTE is set to 50 for all sandwich year-out students (HESMODE = SWOUT). HESESFTE is set to 100 for all full-time students (HESMODE = FTS). Where HESFEELV = FDBC, we will set HESESFTE = 30. HESESFTE is capped at 100.

### Calculation of price groups

#### HHTOTFTE

22. This field evaluates the sum of module FTE (FTE) across all modules (MODIDs) for the instance (HIN).

#### XPRP101

23. This field evaluates the proportion of HHTOTFTE in each module cost centre/subject combination. It is calculated as MODSBJPyzz x (FTEyy/HHTOTFTE). Where yy represents each module (MODID) for the instance (HIN), and zz represents each cost centre/subject combinations for the module (MODID).

### **PRGA, PRGB, PRGC, PRGD, PRGMEDIA, PRGITT, PRGINSET (HESES price groups)**

24. The proportion of activity in each price group is grouped by seven HESES price group fields. The proportion of activity in each price group is calculated by mapping cost centre codes to price groups and summing the values of XPRP101 for each price group. The table below shows the mapping of cost centre codes to HESES price group fields and the value each field will take.

25. In the absence of two years' data we will not use MODYR and MODSTAT for the calculation of price groups for non-standard years. However, in future years where INSTAPP = 1, these data will be used.

26. Where STULOAD is taken from earlier academic years (FTE\_CASE = 2, 3, 5, 6, 8a, 9a, 11a, 12a) to improve the estimate of FTE (HESESFTE), price group allocations are adjusted to take account of this. The same algorithm as detailed below is applied to cost

centre information from YRSTULOA to determine the price group distribution. Where appropriate the price group distribution for the re-creation is weighted according to the relative balance of contribution of STULOAD and STULOAYY to the price group fields. For students on ITT or INSET (QTS) courses, all activity is assigned to PRGITT and PRGINSET respectively.

27. In some cases the sum of PRGA, PRGB, PRGC, PRGD, PRGMEDIA, PRGITT, PRGINSET may not equal one. In these cases we scale PRGA, PRGB, PRGC, PRGD, PRGMEDIA, PRGITT, PRGINSET so that they sum to one.

28. Students on a sandwich year-out (HESMODE = SWOUT), or foundation degrees for teaching assistants (FDTEACH<sup>‡</sup> = 1), are assigned to price group C, regardless of the relevant academic cost centre.

Field name	Cost centres	Value of field
PRGA	See paragraphs 29-30	
PRGB	01 <sup>#</sup> , 02 <sup>#</sup> , 03 <sup>#</sup> , 04, 08, 09, 10, 11, 12, 13, 14, 16, 17, 18, 19, 20, 21	sum of XPRP101s/100
PRGC <sup>†</sup>	05, 06, 07, 23, 24, 25, 26, 28, 33, 35, 37, 38*	sum of XPRP101s/100
PRGD	27, 29, 31, 34, 38*, 41	sum of XPRP101s/100
PRGMEDIA	30	sum of XPRP101s/100
PRGITT	TTCID = 1, 8	1
PRGINSET	TTCID = 5 and QTS = 3	1

<sup>#</sup> Except those students identified as clinical medicine, dentistry and veterinary science in paragraphs 29-30.

<sup>†</sup> ITT that does not lead to QTS (TTCID = 2) is entirely allocated to price group C.

\* Activity in cost centre 38 is assigned to price groups as described in paragraph 32.

<sup>‡</sup> See paragraph 31 for the algorithm for FDTEACH.

#### Medicine, dentistry and veterinary science – undergraduates

29. Undergraduate (HESLEVEL = UGX) medicine, dentistry and veterinary science were assigned to price groups as follows:

Field	Description	Definition	Value of field
PRGA	Clinical medicine	COURSEAIM = H16, I16, M86 and REGBODY = 01 and CRSELGTH <sup>†</sup> – YEARPRG = 0, 1, 2 and (SBJCA1* = A3 or SBJCA2* = A3 or SBJCA3* = A3)	1
PRGA	Veterinary science	COURSEAIM = H16, I16, M86 and REGBODY = 14 and CRSELGTH <sup>†</sup> – YEARPRG = 0, 1, 2, 3, 4 and (SBJCA1* = D1, D2 or SBJCA2* = D1, D2 or	1

		SBJCA3* = D1, D2)	
PRGA	Clinical dentistry	COURSEAIM = H16, I16, M86 and REGBODY = 02 and CRSELGTH <sup>†</sup> – YEARPRG = 0, 1, 2, 3 and (SBJCA1* = A4 or SBJCA2* = A4 or SBJCA3* = A4)	1
PRGB	Pre-clinical medicine and dentistry	COURSEAIM = H16, I16, M86 and REGBODY = 01, 02 and (SBJCA1* = A1, A2 or SBJCA2* = A1, A2 or SBJCA3* = A1, A2) and not above	1
PRGB	Veterinary science	COURSEAIM = H16, I16, M86 and REGBODY = 14 and CRSELGTH <sup>†</sup> – YEARPRG > 4 and (SBJCA1* = D1, D2 or SBJCA2* = D1, D2 or SBJCA3* = D1, D2)	1

<sup>†</sup> See paragraph 50 for the algorithm for CRSELGTH.

\* The first two characters of the field.

#### Clinical medicine, dentistry and veterinary science – postgraduates

30. Postgraduate (HESLEVEL = PGR, PGT) medicine, dentistry and veterinary science were assigned to price groups for institutions as follows:

Field	Description	Definition	Value of field
PRGA	Clinical medicine and dentistry	Cost centre = 01, 02 and (SBJCA1* = A3, A4 or SBJCA1 <sup>†</sup> = C842, C845)	sum of XPRP101s/100
PRGA	Veterinary science	Cost centre = 03	sum of XPRP101s/100

\* The first two characters of the field are used.

<sup>†</sup> All four characters of the field are used.

#### FDTEACH

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

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

#### Sports science and leisure

32. In 2005-06 we reviewed the mapping of the sports science and leisure studies cost centre (cost centre 38) to price groups. As a result, a list of institutions was drawn up whose provision in this cost centre met threshold criteria for the use of well equipped sports science laboratories and/or sports facilities, and hence allocated to price groups B and C. This list was used in the allocation of students to price groups.

#### **HESMED (HESES Table 1b indicator)**

33. A flag to identify whether the student is a medical or dental student who meets the criteria for inclusion in Table 1b of the HESES07 re-creation.

<b>Value</b>	<b>Description</b>	<b>Definition</b>
1	Included in Table 1b	HESLEVEL = UGX and HESMODE = FTS and COURSEAIM = H16, I16, M86 and REGBODY = 01, 02
0	Otherwise	Otherwise

#### **HESFEELV (HESES fee band)**

34. This field contains the level of tuition fee chargeable to the student.

<b>Value</b>	<b>Description</b>	<b>Definition</b>
NHS	NHS bursaried courses	HESNHS <sup>†</sup> = NHS1, NHS2, NHS3
FDBC	Foundation degree bridging course	FDBRIDGE* = 1 and STUBID <sup>‡</sup> = 1
FULL	Undergraduate full fee	SPECFEE = 0, 5
HALF	Undergraduate half fee	SPECFEE = 1, 2, 4
0	ERASMUS students	SPECFEE = 3
OTHER	Other fee charged	Otherwise

<sup>†</sup> See paragraph 56 for the algorithm for HESNHS.

<sup>‡</sup> See paragraphs 40-43 for the algorithm for STUBID.

\* See paragraph 39 for the algorithm for FDBRIDGE.

#### **LOW\_FTE**

35. This field identifies students on low-credit bearing courses. The following assumptions have been made for these students:

- INSTAPP = 0
- BRIDGE = 0
- EXCHANGE = 0
- MCDATE = BLANK
- QTS = 4
- SPECFEE = 9
- YEARSTU = YEARPRG

Value	Description	Definition
1	Assumptions have been made for low-credit bearing courses	REDUCEDC = 01 or REDUCEDI = 01
0	Otherwise	Otherwise

#### ANNIV

36. This field contains the date of the start-date anniversary during the 2007-08 academic year.

#### Second countable years of instance

37. Courses that generally comprise non-standard academic years may generate two countable years when all activity for the final year of instance falls entirely within an academic year.

#### ATT\_LINK

38. This field indicates whether a link has been made, to improve our estimate of attributes for the first countable year, when two countable years are generated in the HESES07 re-creation.

Value	Description	Definition
1	HESA record generates two countable years of instance	<u>In 2007-08 data</u> TYPEYR = 1 and COMDATE < 1 August 2007 and ENDDATE < 1 August 2008 and ENDDATE > ANNIV <u>In linked 2006-07 data</u> TYPEYR = 2, 3, 4
0	Single countable year of instance generated	Otherwise

#### FDBRIDGE

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

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

## STUBID

40. This field uniquely identifies years of instance when two years are generated.

Value	Description	Definition
1	First countable year of instance	ATT_LINK = 1 or FDBRIDGE = 1
2	Second countable year of instance	ATT_LINK = 1 or FDBRIDGE = 1
0	One countable year of instance	Otherwise

41. When STUBID = 1 and FDBRIDGE ≠ 1, we will use the following fields from the HESA 2006-07 return:

COURSEAIM	FEEELIG	FUNDCODE	FUNDCOMP	FUNDLEV
LOADYRA	LOADYRB	LOCSDY	MCDATE	MODE
SPECFEE	STULOAD	TYPEYR	YEARPRG	YEARSTU

42. Where FDBRIDGE = 1 and STUBID = 1, we will make the following assumptions: HESMODE = PT, HESESFTE = 30. In addition, if COURSEAIM = H00, H11, H16, H18, H22, H23, H24 we will assume HESCOMP = 4.

43. Where FDBRIDGE = 1 and STUBID = 2, we will assume STULOAD = STULOAD – 30. In addition, if COURSEAIM = J10, J16 we will assume HESCOMP = 4.

## TAIL

44. This field indicates whether the year of instance is the last year of a course that generally consists of non-standard years.

Value	Description	Definition
1	Last year of instance of non-standard year course	(STUBID = 2 and FDBRIDGE ≠ 1) or (TYPEYR = 2, 5 and ENDDATE > 31 July 2007 and ENDDATE < 1 August 2008))
0	Otherwise	Otherwise

## Method of returning FTE on HESES06

45. The method chosen to return student load on the HESA student record in 2006-07 affects the way that we will calculate FTE in the re-creation. This method used by each institution was originally sought by HESA in a letter of 19 August 1996, 'Completion of Field 74 (Student FTE) for students following a non-“standard” academic year'. Some institutions have since changed their method of returning FTE and we updated our records accordingly.

## FTE\_TY06

46. This field indicates how we believe the FTE was returned for the student in HESES06 (if the student was on a non-standard academic year). Students are on a standard academic year if all activity for the year of instance falls within a HESA reporting period (1 August - 31 July). Where this is not the case the students are on a non-standard academic year.

Value	Description
2	Split FTE method
3	100:0 method
4	0:100 method

### Split FTE method

47. Where activity for a year of instance spans two academic years, the FTE is split proportionally across them on the HESA return.

### 100:0 method

48. Where activity for a year of instance spans two academic years, on the HESA return the whole of the FTE is reported in the academic year in which the year of instance begins.

### 0:100 method

49. Where activity for a year of instance spans two academic years, on the HESA return the whole of the FTE is reported in the academic year in which the year of instance ends.

## CRSELGTH

50. This field contains the expected length of the course in years. The values are rounded up to the nearest whole year.

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

## FTE\_LINK



51. This field indicates whether a successful link to the first year of a student's activity was made to improve our estimates of FTE and price groups. This field only applies to students studying on non-standard academic years where the split FTE method was used in HESES06 (FTE\_TY06 = 2). The link has only been made for students starting such courses after 31 July 1998 and completing them during the 2007-08 academic year.

Value	Description	Definition
1	Student load from first academic year used to calculate FTE	<u>In 2007-08 data</u> TAIL = 1 <u>In linked data</u> FTE_TY06 = 2 and TYPEYR = 2, 3 and COMDATE in academic year
0	Otherwise	Otherwise

### STULOAYY

52. This field contains the value of STULOAD from an earlier years HESA return where this has been used to improve our estimate of HESESFTE. The year the STULOAD is taken from is given in YRSTULOA. This field is only completed where FTE\_CASE = 2, 3, 5, 6, 8a, 9a, 11a, 12a. STULOAYY is capped at 100.

### YRSTULOA

53. This field contains the year the value in STULOAYY is taken from. For example, if YRSTULOA = 1998 then STULOAYY was taken from the 1998-99 HESA record. This field is only completed where FTE\_CASE = 2, 3, 5, 6, 8a, 9a, 11a, 12a.

### AVRGLOAD

54. AVRGLOAD is the arithmetic mean of STULOAD for all students on non-standard academic years of instance in their first academic year, with the same MODE and COURSEAIM at the same institution.

### PROP

55. This field contains the proportion of STULOAD that should be allocated to the second countable year of instance where two countable years are generated (STUBID = 2). The value of PROP will be (ENDDATE – ANNIV) / (ENDDATE – 31 July 2007).

### HESNHS

56. This field identifies the three different groups of students that are eligible for NHS bursaries.

Value	Description	Definition
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NHS1	Pre-registration students of nursing, midwifery, the allied health professions, dental auxiliaries, audiologists and operating department practitioners	((MSFUND = 31 and FUNDCODE = 2) or FUNDCODE = 5) and COURSEAIM = H16, J26 and REGBODY = 02, 06, 07, 13 and (SBJCA1* = B or SBJCA2* = B or SBJCA3* = B) and (FEEELIG = 1 or (COMDATE < 31 December 2002 and REGBODY = 06 and COURSEAIM = J26))
NHS2	English domiciled, pre-registration medical and dental students undertaking the five or six year undergraduate instance	DOMICILE = XF and COURSEAIM = H16 and REGBODY = 01, 02 and CRSELGTH ≥ 5 and YEARSTU ≥ 5 and (SBJCA1* = A or SBJCA2* = A or SBJCA3* = A)
NHS3	Pre-registration medical and dental students attending the accelerated four year graduate entry instance	DOMICILE = XF and COURSEAIM = H16 and REGBODY = 01, 02 and CRSELGTH = 4 and YEARPRG > 1 and QUALENT2 = 01, 02, 03, 04, 05, 06, 10, 11, 12, 13, 14, 15, 16 and (SBJCA1* = A or SBJCA2* = A or SBJCA3* = A)

\* The first character of this field is used.

### Table 7 derived fields

57. The derived fields in the table below will be used to re-create Table 7 of the HESES07 re-creation. Table 7 will only be re-created for those institutions that complete Table 7 in HESES07. Unless listed separately below we will use the derived fields for Table 1a, 2 and 3 to populate Table 7. For example, we will assign mode in Table 7 using HESMODE (see paragraph 11).

Table 3 HESES07 Table 7 re-creation derived fields

Derived field name	Description	Paragraph
T7AVEFTE	Average FTE for non-standard academic years	65
T7COMP	Table 7 completion of year of instance indicator	61
T7EXCL	Table 7 reason for exclusion	58-59

T7FTE	Table 7 FTE of the year of instance	63-64
T7LEVEL	Table 7 level	62
T7REG	Table 7 Column 1 or 2 indicator	60

### T7EXCL (Table 7 population)

58. This field indicates whether the student will be included in Table 7 of the HESES07 re-creation. For students on standard academic years (TYPEYR = 1), or where the split FTE or 0:100 methods were used in HESES06 (FTE\_TY06 = 2, 4), T7EXCL = HESEXCL. Otherwise T7EXCL will be calculated with reference to the values in the table below.

59. For students excluded from the Table 7 re-creation, T7EXCL contains the sum of all applicable values from the table below. Students included in the Table 7 re-creation have T7EXCL = 0.

Value	Description	Definition
1	Not active in academic year	ENDDATE < 1 August 2007
2	FE, NVQ or QTS only students	COURSEAIM = C41, C42, C43, H91, I71, I74, I91, J41, J42, J43, J45, L91, M91 and P-X
4	Students with no qualification aim	COURSEAIM = C99, H99, I99, J99, L99, M99, X99
8	Students explicitly excluded from the Table 7 population	(TYPEYR = 1 or FTE_TY06 = 2, 4) and (FUNDDLEV = 99 or FUNDDCOMP = 9)
32	Dormant, sabbatical or students writing up	MODE = 63, 64 or (MODE = 43, 44, 51, 73, 74 and MCDATE = BLANK)
64	Incoming exchange students	EXCHANGE = 1, 2, 3, 4, 6
128	Students with an FTE of less than 0.03	T7FTE <sup>†</sup> < 3
256	Split FTE or 0:100 students on non-standard academic years in first academic year	FTE_TY06 = 2, 4 and TYPEYR = 2, 3 and COMDATE > 31 July 2007
512	Students on standard academic years who withdrew before 2 December 2007 or students on non-standard academic years who withdrew before the anniversary of their start date	ENDDATE < 2 December 2007 and FUNDDCOMP = 2 and (TYPEYR = 1 or COMDATE > 31 July 2007 or (ENDDATE < ANNIV and TYPEYR = 2, 4, 5))
1024	No cost centre information and FTE of at least 0.03	T7FTE <sup>†</sup> ≥ 3 and (PRGA + PRGB + PRGC + PRGD + PRGMEDIA + PRGINSET + PRGITT) = 0
2048	100:0 Students on	FTE_TY06 = 3 and

	non-standard academic years in last academic year	TYPEYR = 2, 5 and FUNDCOMP ≠ 2 and ENDDATE < 1 August 2008
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† See paragraphs 63-64 for the algorithms for T7FTE.

**T7REG (Table 7 Column 1 and 2 indicator)**

60. This field indicates whether the student will appear in Column 1 or 2 of Table 7 of the HESES07 re-creation.

Value	Description	Definition
HESREG	Standard academic years, or non-standard academic years where the split FTE or 0:100 methods were used in HESES06	TYPEYR = 1 or FTE_TY06 = 2, 4
1	Column 1 non-standard years where the 100:0 method was used in HESES06	FTE_TY06 = 3 and TYPEYR ≠ 1 and ANNIV < 2 December 2007
2	Column 2 non-standard years where the 100:0 method was used in HESES06	FTE_TY06 = 3 and TYPEYR ≠ 1 and ANNIV > 1 December 2007

**T7COMP (Table 7 Column 3 and 4 indicator)**

61. This field indicates whether the student will appear in Column 3 or 4 of Table 7 of the HESES07 re-creation.

Value	Description	Definition
HESCOMP	Standard academic years, or non-standard academic years where the split FTE or 0:100 methods were used in HESES06	TYPEYR = 1 or FTE_TY06 = 2, 4
3	Column 3 non-standard years where the 100:0 method was used in HESES06	FTE_TY06 = 3 and TYPEYR ≠ 1 and (FUNDCOMP = 2 or (FUNDCOMP = 9 and ENDDATE < 1 August 2008))
4	Column 4 non-standard years where the 100:0 method was used in HESES06	FTE_TY06 = 3 and TYPEYR ≠ 1 and FUNDCOMP ≠ 2 and (FUNDCOMP ≠ 9 or ENDDATE = BLANK)

### T7LEVEL (Table 7 level)

62. This field allocates students to level of study in Table 7.

<b>Value</b>	<b>Description</b>	<b>Definition</b>
HESLEVEL	Standard academic years, or non-standard academic years where the split FTE or 0:100 methods were used in HESES06	TYPEYR = 1 or FTE_TY06 = 2, 4
FD	Foundation degree non-standard years where the 100:0 method was used in HESES06	FTE_TY06 = 3 and TYPEYR ≠ 1 and FUNDLEV = 10, 11, 99 and COURSEAIM = J10, J16 and HESFEELV ≠ FDBC
UGX	Undergraduate (excluding foundation degree) non-standard years where the 100:0 method was used in HESES06	FTE_TY06 = 3 and TYPEYR ≠ 1 and (FUNDLEV = 10, 11 or (FUNDLEV = 99 and COURSEAIM* = H, I, J, C)) and not above
PGT	Postgraduate taught non-standard years where the 100:0 method was used in HESES06	FTE_TY06 = 3 and TYPEYR ≠ 1 and (FUNDLEV = 20, 21 or (FUNDLEV = 99 and COURSEAIM* = E, M))

\* The first character of this field is used.

### T7FTE (Table 7 FTE)

63. This field contains the FTE we assume for the year of instance in Column 4a of Table 7 of the HESES07 re-creation.

<b>Value</b>	<b>Description</b>	<b>Definition</b>
HESESFTE	Standard academic years, or non-standard academic years where the split FTE or 0:100 methods were used in HESES06	TYPEYR = 1 or FTE_TY06 = 2, 4
STULOAD	Non-standard years where the 100:0 method was used in HESES06 and the student is not in their first academic year	FTE_TY06 = 3 and TYPEYR ≠ 1 and COMDATE < 1 August 2007
T7AVEFTE	Non-standard years where the 100:0 method was used in HESES06 and the student is in their first academic year	FTE_TY06 = 3 and TYPEYR ≠ 1 and COMDATE > 31 July 2007

64. T7FTE is set to 50 for all sandwich year-out students (HESMODE = SWOUT). T7FTE is set to 100 for all full-time students (HESMODE = FTS). Where HESFEELV = FDBC, we will set T7FTE = 30. T7FTE is capped at 100.

#### **T7AVEFTE**

65. T7AVEFTE is the arithmetic mean of STULOAD for all students on non-standard academic years of instance that are not in their first or last academic year, with the same MODE and COURSEAIM at the same institution.