Appendix 1

HESES04 re-creation algorithms

Purpose

1. This appendix describes the methods used to generate the data needed to re-create HESES04 from the HESA 2004-05 student data. It also describes the method used to generate the grant adjustment reports.

2. This appendix is aimed at expert readers with in-depth knowledge of the data. Readers are advised to have a copy of the HESA Student Record Coding Manual 2004-05 and 'HESES04: Higher Education Students Early Statistics Survey 2004-05' (HEFCE 2004/31) to hand when using this appendix. They should also have copies of their institution's finalised 2004 grant tables.

HESA fields used in the re-creation

3. Only certain fields, detailed in Table 7, were used to generate the HESES04 re-creation. The field numbers shown relate to the combined record format of the HESA record. For institutions making a student module return, cost centre and module subject information is taken from the module portion of the return.

4. The algorithms described in this appendix are similar to those in Appendix 1 of '2004-05 statistics derived from HESA data: guide to HEFCE web facility' (HEFCE 2005/32), but some alterations have been made. Notes of the changes made are at Annex A.

5. 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 7 and 8 respectively.

Using the individualised file

6. When working through this appendix it is necessary to use the individualised file HESR04XXXX.ind, where XXXX is the HESA institution identifier. Full details of how to access this file are given in Annex G. This will show the allocation of students to cells within the tables and, where relevant, details of why they were excluded.

Table 7 **Fields used in the re-creation**

Field number	Description	Name	Column in individualised file*
1	Record type indicator	RECID	BS
2	HESA institution identifier	INSTID	A
4	Student identifier	HUSID	B
12	Country code of student's permanent address	DOMICILE	AQ
26	Date of commencement of programme	COMDATE	AN
28	Special students	SPCSTU	BX
30	Year of student on this programme	YEARSTU	CL

35	Date left institution or completed the programme of study	DATELEFT	AP
41	General qualification aim of student	QUALAIM	BQ
43-45	Subject of qualification aim	SBJQA1-3	BU-BW
49	Expected length of study programme	SPLENGTH	BY
50	Units of length	UNITLGTH	CH
52	Special programmes	SPPRG	CA
53	Teacher training course identifier	TTCID	CF
64	Major source of funding	MSFUND	BL
65	Fundability code	FUNDCODE	AZ
66	Fee eligibility	FEEELIG	AU
67	Fee band	FEEBAND	AT
68	Major source of tuition fees	MSTUFEE	BM
70	Mode of study	MODE	BI
71	Location of study	LOCSDY	BD
72	Year of programme	YEARPRG	CK
74	Student FTE	STULOAD	CC
101,104,107, 110,113,116, 119,122,125, 128,131,134, 137,140,143, 146	Subject area of study 1-16	SBJ01-16	Not included
102,105,108, 111,114,117, 120,123,126, 129,132,135, 138,141,144, 147	Proportion of subject 1-16	SBJPER01-16	Not included
149†	Institution's own identifier for student	OWNSTU	D
150†	Institution's own programme of study identifier	OWNPSD	E
151	Student instance number	NUMHUS	C
153	Type of programme year	TYPEYR	CG
154	Level applicable to Funding Council HESES	FUNDLEV	BB
155	Completion of year of programme of study	FUNDCOMP	BA
166†	Institution's own campus identifier	INSTCAMP	CN
170	Regulated body for health and social care students	REGBODY	BT

* The individualised data file HESR04XXXX.ind, downloadable from the HEFCE extranet (see Annex G).

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

Linking programmes of study between years

7. We have linked the 2004-05 HESA student data to data from 1998-99 onwards using the HUSID, INSTID, NUMHUS (HIN) triple. This is to help account for definitional differences between HESA and HESES data.

8. The link was used to help determine the following:

a. Mode of study in previous year for students who are writing-up a thesis or dissertation.
b. Programme of study attributes for the first countable year for students who are generating two countable years.
c. FTE and price group distribution for final year students on non-standard academic years, where the FTE for each year of programme of study is split over HESA returns.

9. For a and b above, only records from 2003-04 were included in the linking process. For c, records from all years were used.

Description of derived fields

10. Here we give details of the derived fields in the individualised data file. These fields are used to build the key dimensions of the HESES04 re-creation.

Table 8 **HESES04 re-creation derived fields**

Field name	Description	Paragraph	Column in individualised file*
ANNIV	Anniversary of commencement date in academic year	29	AK
ATT_LINK	Flag indicating whether linking was used for course attributes	30-0	AL
AVRGLOAD	Average load	48	AM
CRSELGTH	Expected length of the course in years	51	AO
ELAPSED	Expected length of the course in days	37	AR
EXCL1-EXCL1024	Flag indicating reason(s) for a student's exclusion	70-79	H-R
FDBRIDGE	Flag indicating student on foundation degree bridging course	26	AS
FTE_CASE	Indicator showing how HESESFTE was calculated	44-46	AW
FTE_LINK	Flag indicating whether linking was used to calculate FTE	41	AX
FTE_TYPE	Method used to return FTE for non-standard academic years	14-18	AY
HESCOL4	Flag indicating whether the student was included in Column 4	80	U

HESCOMP	HESES completion of year of programme of study indicator	66	V
HESESFTE	FTE for the year of programme of study	49-50	Z
HESEXCL	Reason for exclusion from the HESES population	68-69	G
HESFEELV	Fee level	37	AI
HESLEVEL	Level of study	27	X
HESMED	Table 1b inclusion flag	59	Y
HESMODE	Mode of study	22	S
HESNHS	Eligibility for NHS bursary group	36	AJ
HESREG	Column 1 or 2 indicator	65	T
HESTYPE	Fundability status	23	W
LENGTH	Flag indicating long or standard length years of programme of study	39	BC
LOW_FTE	Flag indicating whether assumptions have been made for students with low FTE	12	BE
MEDIAB	Proportion of media activity assigned to price group B	62	BF
MEDIAC	Proportion of media activity assigned to price group C	63	BG
MEDIAD	Proportion of media activity assigned to price group D	64	BH
MODEYPS	Mode for the year of programme of study	21	BJ
MODE_OLD	MODE taken from HESA 2003-04 student record	20	BK
PRGA PRGB PRGC PRGD PRGMEDIA PRGITT PRGINSET	Proportion of countable year in each price group	54-58	AA-AH
PRIKEY	Unique programme of study identifier	11	F
PROP	Proportion of FTE	47	BN
SPORT	Flag indicating allocation of cost centre 38 to price groups	60-61	BZ
STUBID	Unique countable year of programme identifier	32-35	CB
STULOAYY	STULOAD field from HESA July record in year YRSTULOA	42	CD
TAIL	Flag indicating last year of split FTE course	40	CE
TOTFTE	This field evaluates the sum of FTE for all modules for a HESA student record	52	Not included
WUP_LINK	Flag indicating whether linking was used for writing-up students	19	CI
XPRP101	Cost centre subject proportion indicator	53	Not included

YEARONE	New entrant flag	38	CJ
YRSTULOA	Year STULOAYY taken from	43	CM

* The individualised data file HESR04XXXX.ind, downloadable from the HEFCE extranet (see Annex G).

PRIKEY (Column F in individualised file HESR04XXXX.ind)

11. This is a derived field which uniquely identifies HESA records.

LOW_FTE (Column BE in individualised file HESR04XXXX.ind)

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

SPCSTU = 9
UNITLGTH = 1
FEEBAND = 99
LOCSDY = X
if DATELEFT is completed then SPLENGTH = DATELEFT - COMDATE is rounded up to the nearest year, otherwise SPLENGTH = 2.

Value	Description	Definition
1	Assumptions have been made	RECID = 04111, 04112
0	Assumptions have not been made	Otherwise

Method of reporting FTE

13. The method chosen to return student load on the HESA student record affects the way years of programme of study are counted. This information was 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 have updated our records accordingly. Institutions that wish to change their method of returning FTE should seek our agreement beforehand.

FTE_TYPE (Column BA in individualised file HESR04XXXX.ind)

14. This field is used to identify the institution's method of returning FTE for students on non-standard academic years. Students are on a standard academic year if all activity for the year of programme of study falls within a single academic year (1 August – 31 July). Students where this is not the case are on a non-standard academic year.

Value	Description
1	No students on non-standard academic years
2	Split FTE
3	100:0
4	0:100

No students on non-standard academic years

15. Where all the institution's activity for years of programme of study are within one academic year.

Split FTE

16. Where activity for a year of programme of study spans two academic years the FTE is split proportionally across them.

100:0

17. Where activity for a year of programme of study spans two academic years the whole of the FTE is reported in the academic year in which the year of programme of study begins.

0:100

18. Where activity for a year of programme of study spans two academic years the whole of the FTE is reported in the academic year in which the year of programme of study ends.

WUP_LINK (Column CI in individualised file HESR04XXXX.ind)

19. This field indicates whether a link has been made to improve our estimate of MODE for writing-up students.

Value	Description	Definition
1	MODE from HESA 2003-04 assumed	In 2004-05 data MODE = 43, 44 and HIN link can be made to 2003-04 data In 2003-04 data MODE ≠ 43, 44
0	MODE from HESA 2004-05	Otherwise

MODE_OLD (Column BK in individualised file HESR04XXXX.ind)

20. This field contains the MODE returned in the HESA 2003-04 student record.

MODEYPS (Column BJ in individualised file HESR04XXXX.ind)

21. This field contains the MODE we have used in the re-creation, incorporating any approximations we have made for writing-up students.

Value	Definition
MODE_OLD	WUP_LINK = 1
MODE	WUP_LINK = 0

HESMODE (Column S in individualised file HESR04XXXX.ind)

22. This field allocates students to mode of study.

Value	Description	Definition
FTS	Full-time and sandwich	MODEYPS = 01, 52, 53 or (MODEYPS = 23, 24 and FEEBAND ≠ 02, 42)
SWOUT	Sandwich year-out	MODEYPS = 23, 24 and FEEBAND = 02, 42 and LOCSDY = D, E, F, G
PT	Part-time	Otherwise

HESTYPE (Column W in individualised file HESR04XXXX.ind)

Undergraduate excluding foundation degrees, foundation degree and postgraduate taught students

23. This field allocates students to the four categories of fundability and residential status. Undergraduate excluding foundation degrees, foundation degree, and postgraduate taught students (HESLEVEL = UGX, FD, PGT) were assigned as follows:

Value	Description	Definition
HOMEF	Home and EC HEFCE funded	FUNDCODE = 1
HOMEIF	Home and EC independently funded	FUNDCODE = 4
HOMENF	Home and EC non-fundable	FUNDCODE = 2, 5, 7 and FEEELIG = 1, 3 or (INSTID = 0001 and DOMICILE = 7826 and HESLEVEL ≠ PGR and FUNDCODE = 1)
ISOV	Island and overseas	Otherwise

Postgraduate research students

24. Full-time and sandwich (HESMODE = FTS, SWOUT), postgraduate research students (HESLEVEL = PGR) were assigned fundability status as follows:

Value	Description	Definition
HOMENF	Home and EC non-fundable	(((FTE_TYPE = 1, 3 or TYPEYR = 1) and COMDATE < 1 August 2004) or (FTE_TYPE = 2, 4 and TYPEYR = 2, 4, 5 and COMDATE < 1 August 2003) and FUNDCODE = 1, 4) or (FUNDCODE = 2, 5, 7 and FEEELIG = 1, 3)
HOMEF	Home and EC HEFCE funded	Not above and FUNDCODE = 1
HOMEIF	Home and EC independently funded	Not above and FUNDCODE = 4
ISOV	Island and overseas	Otherwise

25. Part-time (HESMODE = PT) postgraduate research students (HESLEVEL = PGR) were assigned fundability status as follows:

Value	Description	Definition
HOMENF	Home and EC non-fundable	(((FTE_TYPE = 1, 3 or TYPEYR = 1) and COMDATE < 1 August 2003) or (FTE_TYPE = 2, 4 and TYPEYR = 2, 4, 5 and COMDATE < 1 August 2002) and FUNDCODE = 1, 4) or (FUNDCODE = 2, 5, 7 and FEEELIG = 1, 3)
HOMEF	Home and EC HEFCE funded	Not above and FUNDCODE = 1
HOMEIF	Home and EC independently funded	Not above and FUNDCODE = 4
ISOV	Island and overseas	Otherwise

FDBRIDGE (Column AS in individualised file HESR04XXXX.ind)

26. This field identifies students on foundation degree bridging courses.

Value	Description	Definition
1	Student generates countable foundation degree bridging course	SPPRG = 08 and QUALAIM ≠ 61
0	Otherwise	Otherwise

HESLEVEL (Column X in individualised file HESR04XXXX.ind)

27. This field allocates students to level of study.

Value	Description	Definition
FD	Foundation degree	FUNDLEV = 10, 11 and QUALAIM = 28 and (FDBRIDGE ≠ 1 or STUBID ≠ 1)
UGX	Undergraduate excluding foundation degree	FUNDLEV = 10, 11 and not above
PGT	Postgraduate taught	FUNDLEV = 20, 21
PGR	Postgraduate research	FUNDLEV = 30, 31

Second countable years of programme of study

28. Non-standard academic years returned using the split FTE or 0:100 methods where all activity for the final year of programme of study falls entirely within an academic year will generate two countable years of programme of study.

ANNIV (Column AK in individualised file HESR04XXXX.ind)

29. This field contains the anniversary of commencement date during academic year 2004-05.

ATT_LINK (Column AL in individualised file HESR04XXXX.ind)

30. This field indicates whether a link has been made, to improve our estimate of attributes for the first countable year, when two years of programme of study are generated.

Value	Description	Definition
1	HESA record generates two countable years of programme of study	In 2004-05 data FTE_TYPE = 2, 4 and TYPEYR = 1 and COMDATE < 1 August 2004 and DATELEFT < 1 August 2005 and DATELEFT > ANNIV In linked 2003-04 data FTE_TYPE = 2, 4 and TYPEYR = 2 to 4
0	Single countable year of programme of study generated	Otherwise

31. We make assumptions about the first countable year for students generating two countable years. The reason for the problem of fit is described in paragraph 16 of Appendix 3 and further information is provided in paragraph 33.

STUBID (Column CB in individualised file HESR04XXXX.ind)

32. This field uniquely identifies years of programme of study when two years are generated.

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

33. When STUBID = 1 and FDBRIDGE $\neq$ 1, we used HESA 2003-04 data to populate the following fields:

CAMPID	FTE_TYPE	FUNDLEV	SPCSTU
FEEBAND	FUNDCODE	LOCSDY	TYPEYR
FEEELIG	FUNDCOMP	QUALAIM	YEARPRG

34. Where FDBRIDGE = 1 and STUBID = 1, we will make the following assumptions: MODEYPS = 31, STULOAD = 30. In addition, if QUALAIM = 21 we will assume [FUNDCOMP = 1].

35. Where FDBRIDGE = 1 and STUBID = 2, we will assume STULOAD = STULOAD – 30. In addition, if QUALAIM = 28 we will assume [FUNDCOMP = 1].

HESNHS (Column AJ in individualised file HESR04XXXX.ind)

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

Value	Description	Definition
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 QUALAIM = 18, 33 and REGBODY = 02, 06, 07, 13 and (SBJQA1* = B or SBJQA2* = B or SBJQA3* = B) and (FEEELIG = 1 or (COMDATE < 31 December 2001 and REGBODY = 06 and QUALAIM = 33))
NHS2	English domiciled, pre-registration medical and dental students undertaking the 5 or 6 year undergraduate programme	DOMICILE = 5826 and QUALAIM = 18 and REGBODY = 01, 02 and CRSELGTH ≥ 5 and YEARSTU ≥ 5 and (SBJQA1* = A or SBJQA2* = A or SBJQA3* = A)
NHS3	Pre-registration medical and dental students attending the accelerated four year graduate entry programme	DOMICILE = 5826 and QUALAIM = 18 and REGBODY = 01, 02 (SBJQA1* = A or SBJQA2* = A or SBJQA3* = A) and CRSELGTH = 4 and QUALENT2 = 01, 02 03, 04, 05, 10, 11, 12, 13, 16 and YEARPRG > 1

* The first two characters of the field are used.

HESFEELV (Column AI in individualised file HESR04XXXX.ind)

37. This field contains the level of tuition fee chargeable to the student. The table below shows the hierarchy of values we use, with NHS bursaried courses being the highest tuition fee level.

Value	Description	Definition
NHS	NHS bursaried courses	HESNHS = NHS1, NHS2, NHS3
FDBC	Foundation degree bridging course	FDBRIDGE = 1 and STUBID = 1
1150	Undergraduate full fee	FEEBAND = 01
560	Undergraduate half fee	FEEBAND = 02
0	ERASMUS/SOCRATES students	FEEBAND = 03
OTHER	Other fee charged	Otherwise

YEARONE (Column CJ in individualised file HESR04XXXX.ind)

38. This indicates whether a student is a new entrant.

Value	Description	Definition
1	New entrant	((TYPEYR = 1 or (TYPEYR = 2, 3 and FTE_TYPE = 3)) and COMDATE > 31 July 2004 and COMDATE < 1 August 2005) or (TYPEYR = 2, 4, 5 and FTE_TYPE = 2, 4 and COMDATE > 31 July 2003 and COMDATE < 1 August 2004)
0	Not new entrant	Otherwise

LENGTH (Column BC in individualised file HESR04XXXX.ind)

39. This field indicates whether the student is on a standard or long year of programme of study.

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

TAIL (Column CE in individualised file HESR04XXXX.ind)

40. This field indicates whether the year of programme of study is the end of a sequence of non-standard years of programme of study reported using the split FTE method.

Value	Description	Definition
1	Last year of split FTE course	FTE_TYPE = 2 and ((STUBID = 2 and FDBRIDGE ≠ 1) or (TYPEYR = 2, 5 and DATELEFT > 31 July 2004 and DATELEFT < 1 August 2005))
0	Otherwise	Otherwise

FTE_LINK (Column AX in individualised file HESR04XXXX.ind)

41. This field indicates whether a successful link was made to improve our estimates of FTE and price group allocations for students studying on non-standard academic years when the FTE is split proportionally across years. The link has only been made for students starting such courses after 31 July 1998 and completing them during academic year 2004-05.

Value	Description	Definition
1	Student load from first year used in calculating HESESFTE	In 2004-05 data TAIL = 1 In linked data FTE_TYPE = 2 and TYPEYR = 2, 3 and COMDATE in academic year
0	Otherwise	Otherwise

STULOAYY (Column CD in individualised file HESR04XXXX.ind)

42. This field contains the value of STULOAD, capped at 100, from the year of linked FTE data. The year the STULOAD is taken from is given in YRSTULOA. This field is only completed where FTE_LINK = 1.

YRSTULOA (Column CM in individualised file HESR04XXXX.ind)

43. 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 July student record. This field is only completed if FTE_LINK = 1.

FTE_CASE (Column AW in individualised file HESR04XXXX.ind)

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

a. Method used to return FTE.
b. Length of the programme of study.
c. Number of countable years of programme of study generated in HESES04.
d. Whether the year of programme of study is the last or not.

45. The table below shows how we identify different cases of non-standard academic years of programme of study.

Value	Description	Definition
0	Standard academic year	TYPEYR = 1 and ATT_LINK = 0
1	100:0	FTE_TYPE = 3
2	0:100 and one year generated in HESES04	FTE_TYPE = 4 and ATT_LINK = 0
0:100 and two years generated in HESES04		
3a	First year	FTE_TYPE = 4 and STUBID = 1 and ATT_LINK = 1
3b	Second year	FTE_TYPE = 4 and STUBID = 2 and ATT_LINK = 1
4	Split FTE, one year generated in HESES04 and the programme of study is in the final year and a link was made to the first year	FTE_TYPE = 2 and FTE_LINK = 1 and ATT_LINK = 0
5	Split FTE, one year generated in HESES04 and the programme of study is in the final year and a link was not made to the first year	FTE_TYPE = 2 and FTE_LINK = 0 and TAIL = 1
6	Split FTE, one year generated in HESES04, on a programme of study generating two or more years which is not the final year	FTE_TYPE = 2 and FTE_LINK = 0 and TAIL = 0

Split FTE, two years generated in HESES04 and a link was made to the first year of programme of study		
7a	First year	FTE_TYPE = 2 and FTE_LINK = 1 and STUBID = 1 and ATT_LINK = 1
7b	Second year	FTE_TYPE = 2 and FTE_LINK = 1 and STUBID = 2 and ATT_LINK = 1
Split FTE, two years generated in HESES04 and a link was not made to the first year of programme of study		
8a	First year	FTE_TYPE = 2 and FTE_LINK = 0 and STUBID = 1 and ATT_LINK = 1
8b	Second year	FTE_TYPE = 2 and FTE_LINK = 0 and STUBID = 2 and ATT_LINK = 1

46. We do not attempt to link across years to obtain FTE for full-time and sandwich year-out and sandwich students (HESMODE = FTS, SWOUT) that do not generate two countable years in the re-creation.

PROP (Column BN in individualised file HESR04XXXX.ind)

47. This field contains the proportion of STULOAD that should be allocated to the second countable year of programme of study where two countable years are generated. PROP is only calculated where FTE_TYPE = 2, 4.

Value	**Definition**
(DATELEFT – ANNIV) / (DATELEFT – (ANNIV – 365))	FTE_TYPE = 4
(DATELEFT – ANNIV) / (DATELEFT – 31 July 2003)	FTE_TYPE = 2

AVRGLOAD (Column AM in individualised file HESR04XXXX.ind)

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

HESESFTE (Column Z in individualised file HESR04XXXX.ind)

49. This field contains the FTE we assume for the year of programme of study in Column 4a of the HESES04 re-creation. When the year of programme of study is within a standard academic year and one year of programme of study is generated, HESESFTE is taken to be STULOAD. The table below shows the method of calculating HESESFTE for different groups of non-standard academic years of programme of study.

FTE_CASE	HESESFTE
0	STULOAD
1	STULOAD
2	STULOAD
3a	STULOAD – (STULOAD x PROP) or STULOAD x (1-PROP)
3b	STULOAD x PROP
4	STULOAD + STULOAYY
5	STULOAD + AVRGLOAD
6	STULOAD
7a	(STULOAD + STULOAYY) – STULOAD x PROP
7b	STULOAD x PROP
8a	(STULOAD + AVRGLOAD) – STULOAD x PROP
8b	STULOAD x PROP

50. HESESFTE is capped at 100. HESESFTE is set to 50 for all sandwich year-out years of programme of study (HESMODE = SWOUT). HESESFTE is set to 100 for all full-time and sandwich years of programme of study (HESMODE = FTS). Where FDBRIDGE = 1 and STUBID = 1, we will set HESESFTE = 30.

CRSELGTH (Column AO in individualised file HESR04XXXX.ind)

51. 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

TOTFTE (Not included in individualised file HESR04XXXX.ind)

52. This field evaluates the sum of FTE for all modules for a HESA student record.

XPRP101 (Not included in individualised file HESR04XXXX.ind)

53. This field evaluates the proportion of FTE in each cost centre/subject combination.

Value	Definition
SBJPER01-16	RECID = 04011
SBJPER01	RECID = 04111
(FTE/TOTFTE) x 100	RECID = 04012/04113, 04112/04113 and TOTFTE > 0
SBJPER01-02 x (FTE/TOTFTE)	RECID = 04012/04013, 04112/04013 and TOTFTE > 0 and SBJ01-02 ≠ blank
0	RECID = 04211, 04311, 04411, 04711, 04212, 04312, 04412, 04612, 04712 or (RECID = 04012/04113, 04112/04113 and TOTFTE = 0) or (RECID = 04012/04013, 04112/04113 and (TOTFTE = 0 or SBJ01-02 = blank))

Price groups

PRGA, PRGB, PRGC, PRGD, PRGMEDIA, PRGITT, PRGINSET

54. The proportion of activity in each price group is contained in the seven price group fields given in the table below. 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 price group fields and the value each field will take.

55. Where FTE from earlier academic years (FTE_CASE = 4, 7a) is used to improve the estimate of HESESFTE, price group allocations are also adjusted to take account of this. The same algorithm as detailed is applied to cost centre information from YRSTULOA to get a price group distribution for the first year. The price group distribution for the re-creation is weighted according to the relative balance of contribution of STULOAD and STULOAYY to HESESFTE. For students on ITT or INSET (QTS) courses, all activity is assigned to PRGITT and PRGINSET respectively.

56. In some cases the sum of PRGA, PRGB, PRGC, PRGD, PRGMEDIA, PRGITT, PRGINSET may not equal one. In this case we scale PRGA, PRGB, PRGC, PRGD, PRGMEDIA, PRGITT, PRGINSET so that their sum is one. Students on a sandwich year out (HESMODE = SWOUT) are assigned to price group C, regardless of the relevant academic cost centre.

Field name	Cost centres	Value of field
PRGA	See paragraphs 57 and 58	
PRGB	01[#], 02[#], 03[#], 04, 08, 09, 10, 11, 12, 13, 14 , 16, 17, 18, 19, 20, 21	sum of XPRP101s/100
PRGC[†]	05, 06, 07, 23, 24, 25, 26, 28, 33, 35, 36, 37, 38*	sum of XPRP101s/100
PRGD	27, 29, 31, 32, 34, 38*, 41	sum of XPRP101s/100
PRGMEDIA	30	sum of XPRP101s/100
PRGITT	Courses of initial teacher training leading to QTS (TTCID = 1, 6, 7)	1
PRGINSET	Courses for teachers (TTCID = 3), where the student has QTS	1

[#] Except those students identified as clinical medicine, dentistry and veterinary science in paragraphs 57 and 58.

[†] Activity that is ITT but does not lead to QTS (TTCID = 2) is entirely allocated to price group C.

* Activity in cost centre 38 described in paragraph 60 is assigned to price group C in the re-creation tables.

Medicine, dentistry and veterinary science – undergraduates

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

Field	Description	Definition	Value of field
PRGA	Clinical medicine	QUALAIM = 18 and REGBODY = 01 and CRSELGTH – YEARPRG = 0, 1, 2 and (SBJQA1* = A3 or SBJQA2* = A3 or SBJQA3* = A3)	1
	Veterinary science	QUALAIM = 18 and REGBODY = 14 and (SBJQA1* = D1, D2 or SBJQA2* = D1, D2 or SBJQA3* = D1, D2)	
	Clinical dentistry	QUALAIM = 18 and REGBODY = 02 and CRSELGTH – YEARPRG = 0, 1, 2, 3 and (SBJQA1* = A4 or SBJQA2* = A4 or SBJQA3* = A4)	
PRGB	Pre-clinical medicine and dentistry	QUALAIM = 18 and REGBODY = 01, 02 and (SBJQA1* = A1, A2 or SBJQA2* = A1, A2 or SBJQA3* = A1, A2) and not above	1

* The first two characters of the field are used.

Clinical medicine, dentistry and veterinary science – postgraduates

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

Field	Description	Definition	Value of field
PRGA	Clinical medicine and dentistry	Cost centre = 01, 02 and SBJQA1* = A3, A4	sum of XPRP101s/100
PRGA	Veterinary science	Cost centre = 03	sum of XPRP101s/100

* The first two characters of the field are used

HESMED (Column Y in individualised file HESR04XXXX.ind)

59. A flag to identify whether the student is a medical or dental student that meets the criteria for inclusion in Table 1b of the HESES04 re-creation.

Value	Definition
1	HESLEVEL = UGX and HESMODE = FTS and QUALAIM = 18 and REGBODY = 01, 02
0	Otherwise

Sports science and leisure

60. In 1998 we reviewed the mapping of the Sports Science and Leisure 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 group C. This list was used in the allocation of students to price groups. This list was subsequently updated after receiving confirmation from institutions that their provision met the threshold criteria stated in HEFCE circular letter 38/98.

SPORT (Column BZ in individualised file HESR04XXXX.ind)

61. A flag to identify whether sports science and leisure studies activity is assigned to price group C.

Value	Description
1	Sports science allocated to price group C
0	Sports science allocated to price group D

MEDIAB (Column BF in individualised file HESR04XXXX.ind)

62. This field contains the proportion of media activity assigned to price group B.

MEDIAC (Column BG in individualised file HESR04XXXX.ind)

63. This field contains the proportion of media activity assigned to price group C.

MEDIAD (Column BH in individualised file HESR04XXXX.ind)

64. This field contains the proportion of media activity assigned to price group D.

HESREG (Column T in individualised file HESR04XXXX.ind)

65. This field indicates whether the student will appear in Column 1 or 2 of the HESES04 re-creation. If the student is excluded (HESEXCL ≠ 0), this field is not used to populate the tables.

Value	Description	Definition
1	Included in Column 1	(FTE_TYPE = 1, 3 and ANNIV < 2 December 2004) or (FTE_TYPE = 2, 4 and (TYPEYR = 2 to 5 or (TYPEYR = 1 and ANNIV < 2 December 2004)))
2	Included in Column 2	Otherwise

HESCOMP (Column V in individualised file HESR04XXXX.ind)

66. This field indicates whether the student will appear in Column 3 or 4 of the HESES04 re-creation. If the student is excluded (HESEXCL ≠ 0) this field is not used to populate the tables.

Value	Description	Definition
3	Included in Column 3	((FTE_TYPE = 1, 3 or TYPEYR = 1) and FUNDCOMP = 2) or (FTE_TYPE = 2, 4 and TYPEYR = 2 to 5 and FUNDCOMP = 2)
4	Included in Column 4	Otherwise

ELAPSED (Column AR in individualised file HESR04XXXX.ind)

67. This field contains the expected length of the course in days.

Value	Definition
365 × SPLENGTH	UNITLGTH=1
365/12 × SPLENGTH	UNITLGTH=2
365/52 × SPLENGTH	UNITLGTH=3
2191	UNITLGTH=9
0	Otherwise

HESEXCL (Column G in individualised file HESR04XXXX.ind)

68. This field indicates whether the student is included in the HESES04 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	COMDATE > 31 July 2005 or DATELEFT < 1 August 2004
2	FE, NVQ or QTS only students	QUALAIM = 44, 45, 51 to 55, 71 to 83
4	Students with no qualification aim	QUALAIM = 97 to 99
8	Students explicitly excluded from the HESES04 population	FUNDLEV = 99 or FUNDCOMP = 9
16	Students taught wholly outside the UK	LOCSDY = 7 and not institution specific approval given

32	Dormant, sabbatical or students writing-up	MODEYPS = 51, 63, 64 or (MODEYPS = 43, 44 and ((COMDATE + ELAPSED) < 1 August 2004 or MODE_OLD = 43, 44)
64	Incoming exchange students	SPCSTU = 3 to 6, 8
128	Students with an FTE of less than 3%	HESESFTE < 3
256	Students on non-standard academic years using the split FTE or 0:100 methods in first academic year	FTE_TYPE = 2, 4 and COMDATE > 31 July 2004 and COMDATE < 1 August 2005 and TYPEYR = 2, 3
512	Students on standard academic years who withdrew before 2 December 2004 or students on non-standard academic years who withdrew before the anniversary of their commencement date	DATELEFT < 2 December 2004 and FUNDCOMP = 2 and (TYPEYR = 1 or (DATELEFT < ANNIV and TYPEYR = 2 to 5) or COMDATE > 31 July 2004)
1024	No cost centre information and FTE of at least 3%	(PRGA + PRGB + PRGC + PRGD + PRGMEDIA + PRGINSET + PRGITT) = 0 and HESESFTE $\geq$ 3

69. The value in HESEXCL will be the sum of all applicable codes for a student. For example, if HESEXCL = 74, then subtracting figures from the above table starting at the bottom, we see that the student is an incoming exchange (HESEXCL = 64), explicitly excluded (HESEXCL = 8) and an FE student (HESEXCL = 2).

EXCL1 (Column H in individualised file HESR04XXXX.ind)

70. Flag indicating whether the student was excluded due to non-activity in the academic year.

Value	Description	Definition
1	Not active in academic year	COMDATE > 31 July 2005 or DATELEFT < 1 August 2004
0	Active in academic year	Otherwise

EXCL2 (Column I in individualised file HESR04XXXX.ind)

71. Flag indicating whether the student was excluded due to non-HE qualification aim.

Value	Description	Definition
1	FE, NVQ or QTS only student	QUALAIM = 44, 45, 51 to 55, 71 to 83
0	Student with other qualification aim	Otherwise

EXCL4 (Column J in individualised file HESR04XXXX.ind)

72. Flag indicating whether the student was excluded due to no qualification aim.

Value	Description	Definition
1	Student with no qualification aim	QUALAIM = 97 to 99
0	Student with qualification aim	Otherwise

EXCL8 (Column K in individualised file HESR04XXXX.ind)

73. Flag indicating whether the student was explicitly excluded from the HESES04 student population.

Value	Description	Definition
1	Student explicitly excluded from the HESES04 population	FUNDLEV = 99 or FUNDCOMP = 9
0	Student not explicitly excluded from the HESES04 population	Otherwise

EXCL16 (Column L in individualised file HESR04XXXX.ind)

74. Flag indicating whether the student was excluded due to being wholly taught outside the UK.

Value	Description	Definition
1	Student taught wholly outside UK	LOCSDY = 7 and not institution specific approval given
0	Student not taught wholly outside UK	Otherwise

EXCL32 (Column M in individualised file HESR04XXXX.ind)

75. Flag indicating whether the student was excluded due to being dormant, sabbatical or writing-up.

Value	Description	Definition
1	Dormant, sabbatical or students writing-up	MODEYPS = 51, 63, 64 or (MODEYPS = 43, 44 and ((COMDATE + ELAPSED) < 1 August 2004 or MODE_OLD = 43, 44)
0	Not dormant, sabbatical or writing-up student	Otherwise

EXCL64 (Column N in individualised file HESR04XXXX.ind)

76. Flag indicating whether the student was excluded for being an incoming exchange student.

Value	Description	Definition
1	Incoming exchange student	SPCSTU = 3 to 6, 8
0	Not incoming exchange student	Otherwise

EXCL128 (Column O in individualised file HESR04XXXX.ind)

77. Flag indicating whether the student was excluded due to an FTE of less than 3 per cent.

Value	Description	Definition
1	Students with an FTE of less than 3%	HESESFTE < 3
0	Students with an FTE of at least 3%	Otherwise

EXCL256 (Column P in individualised file HESR04XXXX.ind)

78. Flag indicating whether the student on a non-standard academic year in the first academic year was excluded.

Value	Description	Definition
1	Students on non-standard academic years using the split FTE or 0:100 methods in first academic year	FTE_TYPE = 2, 4 and COMDATE > 31 July 2004 and COMDATE < 1 August 2005 and TYPEYR = 2, 3
0	Otherwise	Otherwise

EXCL512 (Column Q in individualised file HESR04XXXX.ind)

Flag indicating whether the student was excluded due to being on a standard academic year and withdrawing before 2 December 2004, or on a non-standard academic year and withdrawing before the anniversary of their commencement date.

Value	Description	Definition
1	Early withdrawal	DATELEFT < 2 December 2004 and FUNDCOMP = 2 and (TYPEYR = 1 or (DATELEFT < ANNIV and TYPEYR = 2 to 5) or COMDATE > 31 July 2004)
0	Not an early withdrawal	Otherwise

EXCL1024 (Column R in individualised file HESR04XXXX.ind)

79. Flag indicating whether the student was excluded for having no cost centre information and an FTE of at least 3 per cent.

Value	Description	Definition
1	No cost centre information and FTE of at least 3%	(PRGA + PRGB + PRGC + PRGD + PRGMEDIA + PRGINSET + PRGITT) = 0 and HESESFTE $\geq$ 3
0	Cost centre information or FTE of less than 3%	Otherwise

HESCOL4 (Column U in individualised file HESR04XXXX.ind)

80. This field indicates whether the student is included in Column 4 of the HESES04 re-creation.

Value	Description	Definition
1	Included in Column 4	HESCOMP = 4 and HESEXCL = 0
0	Not included in Column 4	Otherwise

Funding for teaching

81. As part of the re-creation we produce the following reports which show the calculation of grant adjustments:

- Coversheet
- HESES04 re-creation grant adjustment report
- HESES04 re-creation standard resource table
- HESES04 re-creation assumed fee income table.

82. Further details on the calculation of teaching grant can be found in 'Funding higher education in England: How HEFCE allocates its funds' (HEFCE 2004/23).

HESES04 re-creation grant adjustments

83. The figures shown in the 'HESES04 re-creation grant adjustment report' are sourced from HESA 2004-05 student data and the final 2004-05 individual grant tables. In this section we describe the figures that are sourced from HESA 2004-05 student data. Figures that are sourced from the 2004-05 individual grant tables are described in the annex to Bridget Josselyn's letter of 1 March 2004 that was sent to heads of institutions.

84. The 'HESES04 re-creation grant adjustment report' is made up of the following sections:

- funding conditional upon delivery of growth
- medical and dental holdback
- holdback/divergence in funding terms
- consolidated 2003-04 holdback recovered
- adjustment to 2004-05 and 2005-06 grants.

Funding conditional upon delivery of growth

Actual FTEs (HEFCE-fundable)

85. The students used to derive 'Actual FTEs (HEFCE-fundable)' can be identified by selecting HESCOL4 = 1 and HESTYPE = HOMEF, HOMEIF. 'Actual FTEs (HEFCE-fundable)' can be found by summing HESESFTE and dividing by 100 for these students.

Funds due back

86. If the 'Associated maximum funding (£)' for 'FTEs required to fully recover reductions in ASN funding' is 'Not applicable' then we set 'Funds due back' to £0. Otherwise, if 'Actual FTEs (HEFCE-fundable)' is greater than '2004-05 Baseline FTEs', we subtract '2004-05 Baseline FTEs' from 'Actual FTEs (HEFCE-fundable)' and multiply this difference by 'Rate per FTE (£)' to give 'Funds due back'. If this calculation of 'Funds due back' is greater than the 'Associated maximum funding (£)', we adjust 'Funds due back' to equal the 'Associated maximum funding (£)'.

Funds to be held back

87. If the 'Associated maximum funding (£)' for 'FTEs required to avoid reduction in ASN funding' is 'Not applicable' then we set 'Funds to be held back' to £0. Otherwise, if 'Actual FTEs (HEFCE-fundable)' is less than 'FTEs required to avoid reduction in ASN funding', we subtract 'Actual FTEs (HEFCE-fundable)' from 'FTEs required to avoid reduction in ASN funding' and multiply this difference by 'Rate per FTE (£)' to give 'Funds to be held back'. If this calculation of 'Provisional funds to be held back' is greater than the 'Associated maximum funding (£)', then we adjust 'Funds to be held back' to equal the 'Associated maximum funding (£)'.

Medical and dental holdback

88. The students used to derive 'FTE from the HESES04 re-creation' can be identified by selecting HESMED = 1 and HESTYPE = HOMEF, HOMEIF and HESCOL4 = 1. 'FTE from the HESES04 re-creation' can be found by summing HESESFTE and dividing by 100 for these students.

89. 'Difference' is calculated by subtracting 'FTE from the HESES04 re-creation' from 'Medical and dental CFTE for 2004-05'.

90. If 'Difference' is greater than zero then 'Medical and dental holdback' is calculated as 'Difference' multiplied by £9,581. This is the average rate based on the standard five-year medical course, and details of how it is calculated can be found in 'HEFCE grant adjustments 2004-05' (HEFCE 2004/28).

Holdback/divergence in funding terms

91. 'Net mainstream teaching funds' is calculated by subtracting 'Medical and dental holdback' and 'Funds to be held back' from 'Total mainstream teaching funds for 2004-05' and then adding 'Funds due back'.

92. 'Recalculated assumed fee income for 2004-05' is the total '2004-05 Assumed fees (average fee x HESES04 re-creation FTE)' that is calculated in the 'HESES04 re-creation assumed fee income table' and is described in paragraphs 114-121.

93. 'Recalculated assumed resource for 2004-05' is calculated by adding 'Net mainstream teaching funds' to 'Recalculated assumed fee income for 2004-05'.

94. 'Recalculated standard resource for 2004-05' is the total '2004-05 Standard resource' that is calculated in the 'Provisional HESES04 re-creation standard resource table' and is described in paragraphs 100-113.

95. 'Difference' is calculated by subtracting 'Recalculated standard resource for 2004-05' from 'Recalculated assumed resource for 2004-05'.

96. To calculate 'Percentage difference', 'Difference' is divided by 'Recalculated standard resource for 2004-05' and multiplied by 100. If 'Percentage difference' falls within the '2004-05 Contract range' then 'Divergence from contract range' is 0.0 per cent. If 'Percentage

difference' is outside the '2004-05 Contract range', 'Divergence from contract range' is the variance between the 'Percentage difference' and the '2004-05 Contract range'.

97. 'Holdback/divergence in funding terms' is generated depending on whether the institution is above or below its contract range. If the institution is above its contract range, 'Holdback' is calculated by multiplying 'Divergence from contract range' by 'Recalculated standard resource for 2004-05'. If the institution is below its contract range, 'Divergence in funding terms' is also calculated by multiplying 'Divergence from contract range' by 'Recalculated standard resource for 2004-05'.

Provisional consolidated 2003-04 holdback recovered

98. Institutions have an opportunity to recover any funding deducted from their baseline as a result of the consolidation of 2003-04 contract range holdback. This will be repaid to the extent that the reinstatement of funding keeps an institution within its 2004-05 contract range. Further information was provided in Bridget Josselyn's letter of 1 March 2004 (paragraph 14 and Annex A paragraphs 41 to 44). Information on how we calculate 'Consolidated 2003-04 contract range holdback recoverable in 2004-05' and 'Difference between "Percentage difference" and top of contract range' can be found in the HESES explanatory notes, available as part of the download package with workbooks.

In-year moderation

99. Information on how we calculate and moderate 'Provisional total funding adjustment for 2004-05 before moderation generated by the HESES04 re-creation', 'Provisional net funding adjustment to be applied in 2004-05 generated by the HESES04 re-creation' and 'Provisional estimated adjustment to 2005-06 baseline grant generated by the HESES04 re-creation' can also be found in the HESES explanatory notes.

HESES04 re-creation standard resource table

100. We calculate the standard resource for 2004-05 using:

- 2004-05 FTEs from the HESES04 re-creation
- 2004-05 FTEs weighted by price group
- premiums applied to unweighted FTEs
- premiums applied to FTEs weighted by price group
- base price.

2004-05 FTEs from the HESES04 re-creation

101. '2004-05 FTEs from the HESES04 re-creation' are identified by summing the FTE of students in each combination of length (LENGTH), level (HESLEVEL), mode (HESMODE) and price group. Examples of the assignment to price groups are described below.

Price group A

102. To identify HEFCE-funded, long, full-time and sandwich, undergraduates excluding foundation degrees assigned to price group A, from the individualised file, select HESTYPE = HOMEF and LENGTH = L and HESMODE = FTS and HESLEVEL = UGX and

HESCOL4 = 1 and PRGA > 0. The number of '2004-05 FTEs from the HESES04 re-creation' can be found by summing the values of HESESFTE multiplied by PRGA and dividing by 100 where PRGA > 0.

Price group B

103. To identify HEFCE-funded, long, full-time and sandwich foundation degrees assigned to price group B, from the individualised file, select HESTYPE = HOMEF and LENGTH = L and HESMODE = FTS and HESLEVEL = FD and HESCOL4 = 1 and, PRGB > 0 or PRGMEDIA > 0. The number of '2004-05 FTEs from the HESES04 re-creation' can be found by adding the following totals:

- multiplying HESESFTE by PRGB, summing the values and dividing by 100 where PRGB > 0
- multiplying HESESFTE by PRGMEDIA and MEDIAB, summing the values, and dividing by 100 where PRGMEDIA > 0.

Price group C

104. To identify HEFCE-funded, long, full-time and sandwich, and sandwich year-out undergraduates excluding foundation degrees assigned to price group C, from the individualised file, select HESTYPE = HOMEF and LENGTH = L and HESMODE = FTS, SWOUT and HESLEVEL = UGX and HESCOL4 = 1 and, PRGC > 0 or PRGMEDIA > 0. The number of '2004-05 FTEs from the HESES04 re-creation' can be found by adding the following totals:

- multiplying HESESFTE by PRGC, summing the values, and dividing by 100 where PRGC > 0
- multiplying HESESFTE by PRGMEDIA and MEDIAC, summing the values, and dividing by 100 where PRGMEDIA > 0.

Price group D

105. To identify HEFCE-funded, long, full-time and sandwich foundation degrees assigned to price group D, from the individualised file, select HESTYPE = HOMEF and LENGTH = L and HESMODE = FTS and HESLEVEL = FD and HESCOL4 = 1 and, PRGD > 0 or PRGMEDIA > 0. The number of '2004-05 FTEs from the HESES04 re-creation' can be found by adding the following totals:

- multiplying HESESFTE by PRGD, summing the values, and dividing by 100 where PRGD > 0
- multiplying HESESFTE by PRGMEDIA and MEDIAD, summing the values, and dividing by 100 where PRGMEDIA > 0.

2004-05 FTEs weighted by price group

106. We calculate the '2004-05 FTEs weighted by price group' by multiplying '2004-05 FTEs from the HESES04 re-creation' by their price group weighting, for each combination of mode, level and length. The price group weightings are given in Table 9.

Premiums applied to unweighted FTEs

Part-time (10%)

107. We calculate 'Part-time (10%)' by multiplying '2004-05 FTEs from the HESES04 re-creation' by 0.1 for each combination of price group, level and length, where HESMODE = PT.

Foundation degrees (10%)

108. We calculate 'Foundation degrees (10%)' by multiplying '2004-05 FTEs from the HESES04 re-creation' by 0.1 for each combination of price group, mode and length, where HESLEVEL = FD.

Small institutions/Historic buildings

109. Institutions will receive the variable, small institution premium if they had a total student FTE of 1,000 or less on the 1997-98 HESA student record. Institutions will receive the variable old and historic buildings premium if they have buildings that were constructed before 1914. Further information on these may be found in the grant letter annex on our web-site under Finance & assurance/Finance and funding.

Table 9 **Price group cost weighting description**

Price group	Description	Cost weight
A	The clinical stages of medicine and dentistry courses and veterinary science	4
B	Laboratory-based subjects (science, pre-clinical stages of medicine and dentistry, engineering and technology)	1.7
C	Subjects with a studio, laboratory or fieldwork element	1.3
D	All other subjects	1

Premiums applied to FTEs weighted by price group

110. Information on how we calculate 'Long courses ≥ 45 weeks (25%)', 'London weighting (inner = 8%, outer = 5%)' and 'Institution-specific weights' may be found in the grant letter annex on our web-site under Finance & assurance/Finance and funding.

Total fundable weighted student FTE

111. 'Total fundable weighted student FTE' is the sum of:

- 2004-05 FTEs weighted by price group
- Part-time (10%)
- Foundation degrees (10%)
- Small institutions
- Historic buildings
- Long courses ≥ 45 weeks (25%)

- London weighting (inner = 8%, outer = 5%)
- Institution-specific weights.

Base price

112. We calculate a basic amount of resource for a full-time student by dividing all the money available to fund teaching (HEFCE grant plus assumed tuition fees) by the total number of weighted FTE students in the whole sector. This basic rate of resource (grant plus fee) is called the base price and is the standard FTE rate in price group D. In 2004-05, the base price was calculated to be £3,484.

2004-05 Standard resource

113. We calculate '2004-05 Standard resource' by multiplying 'Total fundable weighted student FTE' by the base price for each combination of price group, mode, level and length.

HESES04 re-creation assumed fee income table

114. We calculate the assumed fee income for 2004-05 using:

- 2004-05 Estimated FTE students, described in paragraph 115
- assumed fee income per FTE, shown in Table 11
- 2004-05 FTEs from the HESES04 re-creation.

2004-05 Estimated FTE students

115. The headcount of students used to derive '2004-05 Estimated FTE students' is identified by selecting Home and EC (HESTYPE $\neq$ ISOV) and non-ITT students (PRGITT = 0) included in the re-creation (HESEXCL = 0) in each combination of level (HESLEVEL) and mode (HESMODE) for the fee levels (HESFEELV) given in Table 10. For the purposes of this report HESLEVEL = UG is the sum of foundation degrees (HESLEVEL = FD) and undergraduates excluding foundation degrees (HESLEVEL = UGX).

Table 10 **Fee levels**

HESMODE	HESLEVEL	HESFEELV
FTS	UG	1150, 560, 0
FTS	PGT	1150, 560, OTHER
FTS	PGR	OTHER
SWOUT	UG	560
SWOUT	PGT	560, OTHER
SWOUT	PGR	OTHER
PT	UG	1150, 560, OTHER
PT	PGT	1150, 560, OTHER
PT	PGR	OTHER

116. For the sandwich year-out and part-time students selected above, the '2004-05 Estimated FTE students' is calculated by halving the number of students.

Total fee income

117. We assume the fees for each combination of mode (HESMODE), level (HESLEVEL) and fee level (HESFEELV) as given in Table 10. For the purposes of this report HESLEVEL = UG is the sum of foundation degrees (HESLEVEL = FD) and undergraduates excluding foundation degrees (HESLEVEL = UGX).

118. For each estimated FTE we assume a fee for their mode, level and fee level. See Table 11 for a breakdown of the assumed fees. To calculate 'Total fee income' for each combination of mode and level, we sum the assumed fees for each estimated FTE within that mode and level.

Derived average fee per estimated FTE

119. We calculate the 'Derived average fee per estimated FTE' by dividing the 'Total fee income' by the '2004-05 Estimated FTE students' for each combination of mode and level.

2004-05 FTEs from the HESES04 re-creation

120. The students used to derive '2004-05 FTEs from the HESES04 re-creation' can be identified for each combination of mode (HESMODE) and level (HESLEVEL) by selecting HESCOL4 = 1 and HESTYPE = HOMEF. '2004-05 FTEs from the HESES04 re-creation' can be found by summing HESESFTE and dividing by 100 for these students. This total will match the '2004-05 FTEs from the HESES04 re-creation' total on the standard resource table. For the purposes of this report HESLEVEL = UG is the sum of foundation degrees (HESLEVEL = FD) and undergraduates excluding foundation degrees (HESLEVEL = UGX).

2004-05 Assumed fees (average fee x the HESES re-creation FTE)

121. We calculate '2004-05 Assumed fees (average fee x HESES04 re-creation FTE)' for each combination of mode and level by multiplying 'Derived average fee per estimated FTE' by '2004-05 FTEs from the HESES04 re-creation'.

Table 11 **Assumed fee income per FTE**

HESMODE	HESLEVEL	HESFEELV	Assumed fees (£)
FTS	UG	1150	1150
FTS	UG	560	560
FTS	UG	0	0
FTS	PGT	1150	1150
FTS	PGT	560	560
FTS	PGT	OTHER	3484
FTS	PGR	OTHER	3010
SWOUT	UG	560	1120
SWOUT	PGT	560	1120
SWOUT	PGT	OTHER	3484
SWOUT	PGR	OTHER	3010
PT	UG	1150	1120
PT	UG	560	1120
PT	UG	OTHER	1150
PT	PGT	1150	1120
PT	PGT	560	1120
PT	PGT	OTHER	3832
PT	PGR	OTHER	3010