

Office for
Students



2019-20 post-collection outputs

Funding for price group C1
technical document

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Summary

1. In July 2021 the Office for Students (OfS) published the 'Recurrent funding for 2021-22: Outcomes of consultation' (OfS 2021.26)¹. That document outlines the decision to reduce by 50 per cent the high-cost subject funding rate of grant for performing and creative arts and media studies (defined as price group C1.2). Funding will be protected for the remaining high-cost subjects in price group C1, specifically courses in pre-registration nursing, computing, information technology, and archaeology (defined as price group C1.1).
2. This document describes the methodology for calculating the number of full-time equivalents (FTEs) returned in HESES20 (or HESF21) that are assigned to price groups C1.1 and C1.2. The method uses information derived from the 2019-20 HESA Student record, the 2019-20 HESA Student Alternative record and the 2019-20 Individualised Learner Record (ILR).
3. There are two files related to this analysis:
 - a. Price group C1 workbook 'C1 _XXXXXXXX.xlsx' (where XXXXXXXX is the UK Provider Reference Number (UKPRN) for the provider).
 - b. Price group C1 individualised file 'C1 _XXXXXXXX_IND.csv'.

Details of how to use individualised files are given on our 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 from the '2019-20 post collection outputs' area of the OfS portal. Access details will be sent to the appropriate contacts at providers when the files are available.
5. This document is aimed at readers with in-depth knowledge of the data. Readers are advised to have a copy of the HESA Student record coding manual², HESA Student Alternative record coding manual³ and ILR specification⁴ for the relevant year to hand when using this document.

Method summary

6. OfS recurrent funding for 2021-22 will be based on a provider's HESES20 or HESF21 return. In HESES20 and HESF21, the number of student FTEs on pre-registration nursing courses (referred to as C11_NURS) was collected separately and so the number of FTEs in these subjects is known. However, there is no detailed breakdown of the number of FTEs in the remaining subjects in C1.1 (referred to as C11_COMP) and in C1.2 (referred to as C12). Estimates for these figures are instead derived from the 2019-20 HESA Student record, 2019-20 HESA Student Alternative record and 2019-20 ILR.

¹ Available at www.officeforstudents.org.uk/publications/recurrent-funding-for-2021-22-outcomes-of-consultation/

² Available at: <https://www.hesa.ac.uk/collection/c19051>

³ Available at: <https://www.hesa.ac.uk/collection/c19054>

⁴ Available at: <https://www.gov.uk/government/publications/ilr-specification-validation-rules-and-appendices-2019-to-2020>

7. This document explains how these datasets have been used to determine the number of FTEs in C11_COMP and C12 and how the proportion of price group C1 FTEs in these subgroups are then applied to HESES20 or HESF21 to estimate the split of FTEs for funding purposes. The proportion between C11_COMP and C12 has been calculated by level of study and mode of study.

Table 1: Summary of price group C1 breakdown

Proposed price group	Subjects	Terminology used in this document	Data source
C1.1	Pre-registration nursing	C11_NURS	HESES20
C1.1	Computing, information technology and archaeology	C11_COMP	2019-20 HESA Student 2019-20 HESA Student Alternative 2019-20 ILR
C1.2	Performing and creative arts, media studies	C12	2019-20 HESA Student 2019-20 HESA Student Alternative 2019-20 ILR

C1 individualised file

- You should use the individualised file C1_XXXXXXXX_IND.csv when working through this document. This shows the assignment of records to categories by our algorithms and, where applicable, provides the data that has been used to determine their exclusion from the relevant population.
- The fields shown in the individualised file are listed in the tables below for the HESA Student record (Table 2), HESA Student Alternative record (Table 3) and ILR (Table 4).

Table 2: HESA Student fields shown in the individualised file

Entity	Field	Description
Course	COURSEAIM	General qualification aim of course
Course	REGBODY1-2	Regulatory body for health and social care students
Course	TTCID	Teacher training course
Course subject	SBJCA1-5	Subject of course
Course subject	SBJPCNT1-5	Subject percentage
Instance	NUMHUS	Student instance identifier
Instance	QTS	Qualified Teacher Status the HESA Student record
Provider	UKPRN	UK provider reference number
Student	HUSID	HESA unique student identifier

Table 3: HESA Student Alternative fields shown in the individualised file

Entity	Field	Description
Instance	NUMHUS	Student instance identifier
Provider	UKPRN	UK provider reference number
Student	HUSID	HESA unique student identifier

Table 4: ILR fields shown in the individualised file

Data source	Field	Description
ILR	AimSeqNumber	Learning aim data set sequence
ILR	LearnRefNumber	Learning reference number
ILR	PCFLDCS	Proportion taught in LDCS_CO1 subject
ILR	PCSLDCS	Proportion taught in LDCS_CO2 subject
ILR	PCTLDCS	Proportion taught in LDCS_CO3 subject
ILR	UKPRN	UK provider reference number
LARS	LDCS_CO1	Learning directory classification system code 1
LARS	LDCS_CO2	Learning directory classification system code 2
LARS	LDCS_CO3	Learning directory classification system code 3

Description of derived fields

10. Fields derived from HESES19 comparison are listed in Table 5.

Table 5: HESES19 comparison derived fields

Derived field name	Description
FDTEACH	HESA Student record and ILR only: Student on a foundation degree teaching assistant course
HESBROADLEVEL	Broad level of study
HESCLIN	HESA Student record and HESA Student Alternative record only: Price group A clinical and veterinary students
HESCOL4A	Estimated contribution to FTE for year of instance
HESCOURSEAIM_PX	HESA Student Alternative record only: General qualification aim of course
HESEXCL	Reason(s) for exclusion from the HESES population
HESHEALTHPROF	ILR only: Identifies which nursing, midwifery and allied health profession the student is recorded against
HESHEALTHPROF1-2	HESA Student record and HESA Student Alternative record only: Identifies which nursing, midwifery and allied health profession the student is recorded against
HESLEVEL	Level of study
HESMODE	Mode of study

Derived field name	Description
HESPRGA, HESPRGB, HESPRGC1, HESPRGC2, HESPRGD	HESA Student Alternative record only: Proportion of countable year in each price group
HESREGBODY1_P1, HESREGBODY2_P1,	HESA Student Alternative record only: Regulatory body for health and social care students
HESTTCID_P1	HESA Student Alternative record only: Teacher training course
HESBJCA1-5_P1	HESA Student Alternative record only: Subject of course
HESBJPCNT1-5_P1	HESA Student Alternative record only: Subject percentage
HESTYPE	Fundability status
PRGA, PRGB, PRGC1, PRGC2, PRGD	HESA Student record and ILR: Proportion of countable year in each price group
STUBID	Unique countable year of instance identifier
TTCID	Teacher training course

Table 6: C1 price group derived fields

Derived field name	Description	Paragraph
C1FTE	Number of FTEs in price group C1	26
C11_COMPFTE	Number of FTEs in C11_COMP	23
C11_COMPPCNT	Sum of the subject percentages in price group C11_COMP	20
C11_NURSFTE	Number of FTEs in C11_NURS	24
C11_NURSPCNT	Sum of the subject percentages in price group C11_NURS	21
C12FTE	Number of FTEs in C12	25
C12PCNT	Sum of the subject percentages in price group C12	22
SBJCA1_CAH, SBJCA2_CAH, SBJCA3_CAH, SBJCA4_CAH, SBJCA5_CAH,	HESA Student record and HESA Student Alternative record only: Common Aggregation Hierarchy (CAH) standard groups of the Higher Education Classification of Subjects (HECoS) codes ⁵	11

⁵ More information on HECoS codes can be found here:
<https://www.hesa.ac.uk/support/documentation/hecos>

Derived field name	Description	Paragraph
SBJCA1_GROUP, SBJCA2_GROUP, SBJCA3_GROUP, HESA Student and HESA Student Alternative only: SBJCA4_GROUP, SBJCA5_GROUP	Classification of subject as C11_NURS, C11_COMP, C12 or NOT_C1. Note that ILR only has 3 subject fields	12
SUMSBJPCNT	HESA Student record: Sum of SBJPCNT1-5 HESA Student Alternative record: Sum of HESSBJPCNT1-5_P1 ILR: Sum of PCFLDCS, PCSLDCS, PCTLDCS	14
SBJPCNT1_SCALED, SBJPCNT2_SCALED, SBJPCNT3_SCALED, HESA Student and HESA Student Alternative only: SBJPCNT4_SCALED, SBJPCNT5_SCALED	Scaled subject percent fields to ensure that they add up to 100% HESA Student record: Scaled SBJPCNT1-5 fields HESA Student Alternative record: Scaled HESSBJPCNT1-5_P1 fields ILR: Scaled PCFLDCS, PCSLDCS, PCTLDCS	17

Price group C1 algorithms

SBJCA1_CAH, SBJCA2_CAH, SBJCA3_CAH, SBJCA4_CAH, SBJCA5_CAH

11. CAH level 3 for SBJCA1-5 (HESA Student record), HESSBJCA1-5_P1 (HESA Student Alternative record).

SBJCA1_GROUP, SBJCA2_GROUP, SBJCA3_GROUP, SBJCA4_GROUP, SBJCA5_GROUP

12. These fields identify whether a subject is assigned to C11_NURS, C11_COMP, C12 or NOT_C1 for SBJCA1-5 (HESA Student record), HESSBJCA1-5_P1 (HESA Student Alternative record), LDCS_COX (ILR).

13. The CAH codes and LDCS codes listed include all sub-levels unless otherwise stated.

Derivation for the HESA Student record

Value	Description	Definition
NOT_C1	Price group C2	HESMODE = SWOUT
NOT_C1	Price group A	HESCLIN = 1, 2, 3 or (COURSEAIM = H16, H62, I16, J26, M16, M26, M86 and (HESHEALTHPROF1 = DENHYG, DENTHE or HESHEALTHPROF2 = DENHYG, DENTHE)) and not above

Value	Description	Definition
NOT_C1	Price group B	COURSEAIM = H16, H62, I16, J26, M16, M26, M86 and (HESHEALTHPROF1 = DIETET, MIDWIF, OCCTHE, OPDEPT, ORTHOP, ORTPRO, PHYSIO, PODCHI, RADDIA, RADTHE, SPELAN or HESHEALTHPROF2 = DIETET, MIDWIF, OCCTHE, OPDEPT, ORTHOP, ORTPRO, PHYSIO, PODCHI, RADDIA, RADTHE, SPELAN) and not above
C11_NURS	Nursing courses	COURSEAIM = H16, H62, I16, J26, M16, M26, M86 and (HESHEALTHPROF1 = NURSAD, NURSCH, NURSLD, NURSMH, NURSUN or HESHEALTHPROF2 = NURSAD, NURSCH, NURSLD, NURSMH, NURSUN) and not above
NOT_C1	Price group C2	TTCID = 1, 2, Q or (QTS = 4 and TTCID = 5) or FDTEACH = 1 or REGBODY1 = 09, 10, 11, 54 or REGBODY2 = 09, 10, 11, 54 and not above
C11_COMP	Computing, information technology and archaeology courses	SBJCAX_CAH begins with CAH11 or SBJCAX = 100369 or SBJCAX_CAH = CAH20-01-03 and not above
C12	Performing and creative arts and media studies courses	SBJCAX = 100109, 100110 or SBJCAX_CAH = CAH24-01-01, CAH24-01-03, CAH24-01-04, CAH24-01-05 or SBJCAX_CAH begins with CAH25 and not above
NOT_C1	Other price group	SBJCAX ≠ BLANK and not above
BLANK	No subject code	SBJCAX = BLANK

Derivation for the HESA Student Alternative record

Value	Description	Definition
NOT_C1	Price group C2	HESMODE = SWOUT
NOT_C1	Price group A	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
NOT_C1	Price group B	HESCOURSEAIM_P1 = H16, H62, I16, J26, M16, M26, M86 and (HESHEALTHPROF1 = DIETET, MIDWIF, OCCTHE, OPDEPT, ORTHOP, ORTPRO, PHYSIO, PODCHI, RADDIA, RADTHE, SPELAN or HESHEALTHPROF2 = DIETET, MIDWIF, OCCTHE, OPDEPT, ORTHOP, ORTPRO, PHYSIO, PODCHI, RADDIA, RADTHE, SPELAN) and not above

Value	Description	Definition
C11_NURS	Nursing courses	HESCOURSEAIM_P1 = H16, H62, I16, J26, M16, M26, M86 and (HESHEALTHPROF1 = NURSAD, NURSCH, NURSLD, NURSMH, NURSUN or HESHEALTHPROF2 = NURSAD, NURSCH, NURSLD, NURSMH, NURSUN) and not above
NOT_C1	Price group C2	HESTTCID_P1 = 1, 2, 5, Q or HESREGBODY1_P1 = 54 or HESREGBODY2_P1 = 54 and not above
C11_COMP	Computing, information technology and archaeology courses	SBJCAX_CAH begins with CAH11 or HESSBJCAX_P1 = 100369 or SBJCAX_CAH = CAH20-01-03 and not above
C12	Performing and creative arts and media studies courses	HESSBJCAX_P1 = 100109, 100110 or SBJCAX_CAH = CAH24-01-01, CAH24-01-03, CAH24-01-04, CAH24-01-05 or SBJCAX_CAH begins with CAH25 and not above
NOT_C1	Other price group	HESSBJCAX_P1 ≠ BLANK and not above
BLANK	No subject code	HESSBJCAX_P1 = BLANK

Derivation for the ILR

Value	Description	Definition
NOT_C1	Price group C2	FDTEACH = 1 or TTCID = 1, 2, 5, Q or HESMODE = SWOUT
NOT_C1	Price group A	HESHEALTHPROF = DENHYG, DENTHE and not above
NOT_C1	Price group B	HESHEALTHPROF = DIETET, MIDWIF, OCCTHE, OPDEPT, ORTHOP, ORTPRO, PHYSIO, PODCHI, RADDIA, RADTHE, SPELAN and not above
C11_NURS	Nursing courses	HESHEALTHPROF = NURSAD, NURSCH, NURSLD, NURSMH, NURSUN and not above
C11_COMP	Computing, information technology and archaeology courses	LDCS_COX = BF, C (except CD, CE), DC and not above
C12	Performing and creative arts and media studies courses	LDCS_COX = CD, CE J (except JA.22, JA.23, JA.32, JA.33, JA.34, JA.5, JA.7, JA.8, JE), K (except KB, KC), L (except LF.3, LJ, LK.3 (but including LK.31)), SE (except SE.9), VF (except VF.3, VF.4, VF.7), W (except WA, WB, WC, WD, WE, WG, WM) and not above

Value	Description	Definition
NOT_C1	Other price group	LDCS_COX ≠ BLANK and not above
BLANK	No subject code	LDCS_COX = BLANK

SUMSBJPCNT

14. HESA Student record: This field is the sum of the SBJPCNT1-5 fields.
15. HESA Student Alternative record: This field is the sum of the HESSBJPCNT1-5_P1 fields.
16. ILR: This field is the sum of the PCFLDCS, PCSLDCS, PCTLDCS fields.

SBJPCNT1_SCALED, SBJPCNT2_SCALED, SBJPCNT3_SCALED, SBJPCNT4_SCALED, SBJPCNT5_SCALED

17. These fields scale the subject percent fields (HESA Student record: SBJPCNT1-5, HESA Student Alternative record: HESSBJPCNT1-5_P1, ILR: PCFLDCS, PCSLDCS, PCTLDCS) so that they sum to 100.
18. If the sum of the subject percentages (SUMSBJPCNT) is greater than 0 but less than 100 then each subject percent field is divided by SUMSBJPCNT and then multiplied by 100.
19. If SUMSBJPCNT equals 100 then SBJPCNTX_SCALED = the corresponding subject percent field.

C11_COMPPCNT

20. This field calculates the sum of the subject percentages (SBJPCNTX_SCALED) in price group C11_COMP (where SBJCAX_GROUP = C11_COMP).

C11_NURSPCNT

21. This field calculates the sum of the subject percentages (SBJPCNTX_SCALED) in price group C11_NURS (where SBJCAX_GROUP = C11_NURS).

C12PCNT

22. This field calculates the sum of the subject percentages (SBJPCNTX_SCALED) in price group C12 (where SBJCAX_GROUP = C12).

C11_COMPFTE

23. This field calculates the number of FTEs in price group C11_COMP by dividing C11_COMPPCNT by 100 and multiplying it by HESCOL4A.

C11_NURSFTE

24. This field calculates the number of FTEs in price group C11_NURS by dividing C11_NURSPCNT by 100 and multiplying it by HESCOL4A.

C12FTE

25. This field calculates the number of FTEs in price group C12 by dividing C12PCNT by 100 and multiplying it by HESCOL4A.

C1FTE

26. This field calculates the number of FTEs in price group C1 by multiplying PRGC1 (HESA Student, ILR) or HESPRGC1 (HESA Student alternative) by HESCOL4A.

C1 workbook

27. The C1 price group workbook 'C1 _XXXXXXXX.xlsx' contains the following worksheets:

Table 7: Worksheets in the C1 price group workbook

Workbook tab	Title
Information	Workbook information
C1 HESA_ILR	Number and proportions of OfS-fundable FTEs in C1.1 computing, information technology and archaeology and C1.2 derived from the 2019-20 HESA Student record, HESA Student Alternative record and ILR. Note that this tab will only be available for providers with 2019-20 individualised data.
C1 HESES	Estimated number of OfS-fundable FTEs in C1.1 and C1.2 in HESES20 and HESF21

C1 HESA_ILR tab

28. The table below explains how the figures in each column in the C1 HESA_ILR tab were calculated using the individualised file C1 _XXXXXXXX_IND.csv.

29. The figures in this tab only include students who are not excluded from the HESES population (HESEXCL = 0), are categorised as OfS-fundable (HESTYPE = HOMEF) and who have activity in price group C1 (PRGC1 > 0).

30. Note that this tab will only show for providers who had 2019-20 HESA Student, HESA Student Alternative or ILR data.

31. All FTE figures have been rounded to two decimal places.

Table 8: Columns in the C1 HESA_ILR tab

Column	Description	Workbook column
Level	Broad level of study (HESBROADLEVEL)	A
Mode	Mode of study (HESMODE)	B
Total FTEs in price group C1	Sum of C1FTE	C
FTEs in price group C1.1 pre-registration nursing	Sum of C11_NURSFTE	D
FTEs in price group C1 excluding pre-registration nursing FTEs	Column C minus Column D	E

Column	Description	Workbook column
FTEs in C1.1 computing, information technology and archaeology	Sum of C11_COMPFTE	F
FTEs in C1.2	Sum of C12FTE	G
Proportion of C1.1 computing, information technology and archaeology FTEs in price group C1 excluding pre-registration nursing FTEs	Column F divided by column E	H
Proportion of C1.2 FTEs in price group C1 excluding pre-registration nursing FTEs	1 minus Column H	I

C1 HESES tab

32. The table below explains how the figures in each column in the C1 HESES tab were calculated using data from HESES20 or HESF21.

Table 9: Columns in the C1 HESES tab

Column	Description	Workbook column
Level	Broad level of study	A
Mode	Mode of study	B
FTEs in price group C1	HESES20: Sum of Table 1, column 4, price group C1, OfS-fundable and Table 3, Column 4a, price group C1, OfS-fundable HESF21: Section 2, price group C1 in table 1 of HESF21	C
FTEs in price group C1.1 pre-registration nursing	Sum of Column 4, OfS-fundable in table 6a and Column 4a, OfS-fundable in table 6c of HESES20 for the nursing professions: Nursing – adult, Nursing – children, Nursing – learning disability, Nursing – mental health, Nursing – unclassified	D
FTEs in price group C1 excluding pre-registration nursing FTEs	Column C minus Column D	E

Column	Description	Workbook column
Estimated proportion of C1.1 computing, information technology and archaeology FTEs	<p>If derived from 2019-20 HESA/ILR data: Column H of the C1 HESA_ILR tab</p> <p>Otherwise: for providers who did not have relevant 2019-20 HESA/ILR data, the proportions were derived from a variety of additional data sources. Information on the data sources used has been provided to the providers in question.</p>	F
Estimated proportion of C12 FTEs	<p>If derived from 2019-20 HESA/ILR data: Column I of the C1 HESA_ILR tab</p> <p>Otherwise: for providers who did not have relevant 2019-20 HESA/ILR data, the proportions were derived from a variety of additional data sources. Information on the data sources used has been provided to the providers in question.</p>	G
Estimated FTEs in C1.1 computing, information technology and archaeology	Column E multiplied by Column F	H
Estimated total FTEs in C1.1	Sum of Column H and Column D	I
Estimated total FTEs in C1.2	Column E multiplied by Column G	J



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