

**Office for
Students**



2018-19 HESA Student data checking tool

**2018-19 OfS-fundable student FTEs
for TRAC(T)**

**Technical document and rebuild
instructions**

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Summary

1. This document describes the algorithms that are used to generate the 2018-19 'OfS-fundable' student full-time equivalences (FTEs) for the Transparent Approach to Costing for Teaching (TRAC(T)) output. This document also gives instructions for rebuilding the figures in the output.
2. The output uses some of the derived fields created in the HESES18A comparison output. Where these fields have been used, they are shown in red in this document. The output does not contain the underlying fields that are used to generate HESES derived fields. Therefore it may be helpful to have the files generated for the HESES18A comparison output to hand, together with the files generated for this output.
3. This document is aimed at readers with in-depth knowledge of the data. Readers are advised to have the following documents to hand when using this document:
 - a. Higher Education Statistics Agency (HESA) Student Record Coding Manual 2018-19 (www.hesa.ac.uk/collection/c18051).
 - b. HESES18A comparison output individualised and modularised files.
 - c. HESES18A comparison output technical document.
 - d. 2018-19 TRAC(T) guidance (www.trac.ac.uk/tracguidance/).
 - e. 2017-18 OfS-fundable student FTEs for TRAC(T) data summary output or 2017-18 TRAC(T) return.

Changes from the 2017-18 OfS-fundable student FTEs for TRAC(T) data summary

4. This section describes any changes to the outputs and algorithms since the equivalent was published for the 2017-18 HESA Student data checking tool, available here: www.officeforstudents.org.uk/data-and-analysis/data-checking-tools/documentation-archive/. Any additions are shown as **bold and underlined**.
5. This document has been restructured to improve clarity. Algorithms detailing derived fields which use modularised data are described first, with derived fields which use individualised data following these.
6. In assigning price groups within cost centre 102, students on pre-registration courses that lead to a first registration with the General Dental Council (GDC) as a professional in dental therapy and dental hygiene are now entirely attributed to price group A.

2017-18 pre-registration nursing, midwifery and allied health price group assignment error

7. In last year's output, students on pre-registration nursing, midwifery and allied health courses were assigned to either price group B or C1 within cost centre 103, depending on the profession. Students were only assigned to these price groups if they were in the HESES17

Table 7 population (HESHEALTHPOP = 1 from the HESES17 comparison output), otherwise they were assigned to price group C2. This was incorrect.

8. Students should have been assigned to a price group dependent on their pre-registration nursing, midwifery and allied health profession alone, regardless of whether they were in the HESES17 Table 7 population or not. We have therefore removed the HESHEALTHPOP = 1 clause from the algorithm which determines the price group of students in cost centre 103.
9. The 2018-19 output includes a comparison against the 2017-18 HESA Student FTEs for verification purposes. In order to provide a consistent comparison, the 2017-18 FTEs have been derived with the updated algorithm. These numbers will therefore differ from those presented in your 2017-18 OfS-fundable student FTEs for TRAC(T) data summary output, and 2017-18 TRAC(T) return.

Outputs

10. The 2018-19 OfS-fundable student FTEs for TRAC(T) data summary output can be accessed from the Information Reporting Interface Service (IRIS) report which is available on HESA's data collection site.
11. There are three files created for the 2018-19 OfS-fundable student FTEs for TRAC(T) data summary output (where 100XXXXX denotes the UK Provider Reference Number (UKPRN)):
 - a. 'TRACT18_DCT_100XXXXX.xlsx' workbook – this file shows a summary of the FTEs by cost centre and price group, in the format of HESES18A.
 - b. 'TRACT18_DCT_100XXXXX_MOD.csv' modularised file – this file displays all student instances and the modules that are undertaken separately.
 - c. 'TRACT18_DCT_100XXXXX_IND.csv' individualised file – this file displays all student instances.

Workbook

12. The 'TRACT18_DCT_100XXXXX.xlsx' workbook contains 2018-19 HESA Student FTEs summarised by cost centre and price group, in the format of the HESES18A data collection. There are several worksheets, described below, which summarise the FTEs in different ways.

Table 1: Worksheets in the 'TRACT18_DCT_100XXXXX.xlsx' workbook

Worksheet*	Description
Information	Workbook information
Key differences	Key differences between 2018-19 FTEs and 2017-18 FTEs
TRAC(T) FTEs	Summary of 2018-19 and 2017-18 FTEs by cost centre and price group
1 Full-time	2018-19 Full-time counts of years of instance in the format of HESES18A Table 1
2 Sandwich	2018-19 Sandwich year out counts of years of instance in the format of HESES18A Table 2
3 Part-time	2018-19 Part-time counts of years of instance and FTE in the format of HESES18A Table 3

* The worksheet reference corresponds to the name of the workbook tab.

Modularised file

13. The 'TRACT18_DCT_100XXXXX_MOD.csv' modularised file displays all modules associated with a student instance. Filters can be applied to this file in order to subset the data.
14. The cost centre and price group associated with each module is identified in this file, which is used to populate the individualised file.

Individualised file

15. The 'TRACT18_DCT_100XXXXX_IND.csv' individualised file displays all student instances. Filters can be applied to this file in order to subset the data.
16. This file is created from the modularised file, by calculating the proportion of activity in each cost centre and price group combination, for each student instance.

2018-19 HESA Student fields used in the 2018-19 OfS-fundable student FTEs for TRAC(T) data summary output

17. Only certain fields in the 2018-19 HESA Student record, detailed in Table 2, are used to generate this output. These fields are displayed in the individualised and/or modularised files in the columns specified.

Table 2: 2018-19 HESA Student fields used in the 2018-19 OfS-fundable student FTEs for TRAC(T) data summary output

Entity	Field	Description	Column in individualised file	Column in modularised file
Institution	UKPRN	UK Provider Reference Number	A	A
Student	HUSID	HESA unique student identifier	B	B
Instance	NUMHUS	Student instance identifier	C	C
Student	OWNSTU [†]	Provider's own identifier for student	D	D
Instance	OWNINST [†]	Provider's own instance identifier	E	E
Course	COURSEID [†]	Course identifier	F	F
Course	CTITLE [†]	Course title	G	G
Instance	CAMPID [†]	Campus identifier	H	H
Instance	INSTCAMP [†]	Provider's own campus identifier	I	I
Entry profile	UCASAPPID [†]	UCAS Application Number	J	J
Student	UCASPERID [†]	UCAS Personal Identifier	K	K
Module	MODID [†]	Module identifier		M
Module	MTITLE [†]	Module title		N
Course	COURSEAIM	General qualification aim of course		AL
Course	REGBODY1-2	Regulatory body for health and social care students		AP-AQ
Course	TTCID	Teacher training course		AR
Instance	QTS	Qualified teacher status		AT

[†] These fields are not used to generate the output but are included in the individualised and modularised files to allow easy identification of students.

Description of derived fields

18. Derived fields are used to build the 2018-19 OfS-fundable student FTEs for TRAC(T) data summary output, detailed in Table 3. These fields are displayed in individualised and/or modularised files in the columns specified.
19. Derived fields created in the HESES18A comparison output are also displayed in Table 3 formatted in red font. The technical document for the HESES18A comparison output details the algorithms used to generate these derived fields. Paragraph references refer to the HESES18A comparison output technical document.

Table 3: 2018-19 OfS-fundable student FTEs for TRAC(T) derived fields

Derived field name	Description	Paragraph	Column in individualised file	Column in modularised file
STUBID	Unique countable year of instance identifier	26	L	L
HHCOSTCN	HESES recreation HESA cost centre	60		R
HHPRP	HESES recreation proportion of FTE in each HESA cost centre x subject combination	59		S
PRGFTE	Proportion of FTE	69		T
HESESFTE	FTE of the year of instance	52	BT	
HESMODE	Mode of study	35	BU	U
HESLEVEL	Level of study	36	BV	V
LENGTH	Long or standard length years of instance	38	BW	W
HESTYPE	Fundability status	39	BX	X
HESREG	HESES Column 1 or 2 indicator	42	BY	Y
HESCOMP	Completion status	41	BZ	Z
HESCLIN	Price group A clinical and veterinary students	66		AM

Derived field name	Description	Paragraph	Column in individualised file	Column in modularised file
HESHEALTHPROF1, HESHEALTHPROF2	Identifies which nursing, midwifery and allied health profession the student is recorded against	67		AN-AO
FDTEACH	Student on a foundation degree teaching assistant course	62		AS
EXCL1, EXCL2, EXCL4, EXCL8, EXCL16, EXCL32, EXCL64, EXCL128, EXCL256, EXCL512	Exclusion reason(s)	73-82	EB-EK	AA-AJ
TRCPRGMOD	Assignment of modules to price group categories	20		Q
TRCCOSTCNGRPMOD	Assignment of modules to notional cost centre price groups	21		P
TRCXXX (where XXX is the cost centre number and price group if applicable)	The activity in each cost centre as a proportion of the student's total activity (including those with multiple assignments of price group to cost centre)	24	CA-EA	
TRCCOSTCNXXX (where XXX is the cost centre number and price group if applicable)	Assignment of FTE to each cost centre	26	N-BN	
TRCCOSTCNGRPX (where X is the price group)	Assignment of FTE to notional cost centre groups	27	BO-BS	
TRCEXCL1024	No HESA cost centre information and FTE of at least 0.03	22, 28	EL	AK
TRCEXCL	Reason for exclusion from the HESES or TRAC(T) population	23, 29	M	O

Modularised file derived fields

TRCPRGMOD (Column Q)

20. This field contains the assignment of modules to price groups for cost centres that are split across price groups.

Value	Description	Definition
A	Cost centre-based price group A	(HHCOSTCN = 101 and HESCLIN = 1, 2) or (HHCOSTCN = 102 and (HESCLIN = 1, 2 or (COURSEAIM = M16, M26, M86, H16, H62, I16, J26 and (HESHEALTHPROF1 = DENHYG, DENTHE or HESHEALTHPROF2 = DENHYG, DENTHE)))) or (HHCOSTCN = 109 and HESCLIN = 1, 3)
B	Cost centre-based price group B	(HHCOSTCN = 101 and not assigned a value of 'A' above) or (HHCOSTCN = 102 and not assigned a value of 'A' above) or (HHCOSTCN = 103 and (COURSEAIM = M16, M26, M86, H16, H62, I16, J26 and (HESHEALTHPROF1 = DIETET, MIDWIF, OCCTHE, OPDEPT, ORTHOP, ORTPRO, PHYSIO, PODCHI, RADTHE, RADDIA, SPELAN or HESHEALTHPROF2 = DIETET, MIDWIF, OCCTHE, OPDEPT, ORTHOP, ORTPRO, PHYSIO, PODCHI, RADTHE, RADDIA, SPELAN))) or (HHCOSTCN = 109 and not assigned a value of 'A' above)
C1	Cost centre-based price group C1	HHCOSTCN = 103 and COURSEAIM = M16, M26, M86, H16, H62, I16, J26 and (HESHEALTHPROF1 = NURSUN, NURSAD, NURSCH, NURSLD, NURSMH or HESHEALTHPROF2 = NURSUN, NURSAD, NURSCH, NURSLD, NURSMH)
C2	Cost centre-based price group C2	(HHCOSTCN = 103 and not assigned a value of 'B' or 'C1' above) or (HHCOSTCN = 131 and (REGBODY1 = 09, 10, 11, 54 or REGBODY2 = 09, 10, 11, 54)) or (HHCOSTCN = 135 and (TTCID = 1, 2, Q or FDTEACH = 1 or (QTS = 4 and TTCID = 5)))
D	Cost centre-based price group D	(HHCOSTCN = 131 and not assigned a value of 'C2' above) or (HHCOSTCN = 135 and not assigned a value of 'C2' above)
BLANK	Otherwise	Otherwise

TRCCOSTCNGRPMOD (Column P)

21. This field contains the mapping to each module-based notional cost centre price group.

Value	Description	Definition
A	Notional cost centre price group A	TRCPRGMOD = A
B	Notional cost centre price group B	TRCPRGMOD = B or HHCOSTCN = 106, 107, 110, 111, 112, 113, 114, 115, 116, 117, 118, 119, 120

Value	Description	Definition
C1	Notional cost centre price group C1	TRCPRGMOD = C1 or HHCOSTCN = 121, 126, 143, 144, 145
C2	Notional cost centre price group C2	TRCPRGMOD = C2 or HHCOSTCN = 104, 105, 108, 122, 123, 124, 134, 137
D	Notional cost centre price group D	TRCPRGMOD = D or HHCOSTCN = 125, 127, 128, 129, 130, 132, 133, 136, 138, 139, 140, 141, 142, 999
BLANK	Otherwise	Otherwise

TRCEXCL1024 (Column AK)

22. This field is derived in the individualised file, but is also shown in the modularised file for completeness. The derivation of this field can be found in paragraph 28.

TRCEXCL (Column O)

23. This field is derived in the individualised file, but is also shown in the modularised file for completeness. The derivation of this field can be found in paragraph 29.

Individualised file derived fields

TRCXXX (Column CA-EA)

24. These fields contain the activity in each cost centre as a proportion of the student's total activity. XXX is the cost centre number and price group split if applicable to the cost centre. For some students the sum of TRCXXX may not equal one. In these cases the fields have been scaled so that their sum is one.

25. The value of this field is taken from the modularised file, by summing the values of HHPRP across all modules for each student instance.

Field name	Definition	Value
TRC101PGA	HHCOSTCN = 101 and TRCPRGMOD = A	sum of HHPRP ÷ 100
TRC101PGB	HHCOSTCN = 101 and TRCPRGMOD = B	sum of HHPRP ÷ 100
TRC102PGA	HHCOSTCN = 102 and TRCPRGMOD = A	sum of HHPRP ÷ 100
TRC102PGB	HHCOSTCN = 102 and TRCPRGMOD = B	sum of HHPRP ÷ 100
TRC103PGB	HHCOSTCN = 103 and TRCPRGMOD = B	sum of HHPRP ÷ 100
TRC103PGC1	HHCOSTCN = 103 and TRCPRGMOD = C1	sum of HHPRP ÷ 100
TRC103PGC2	HHCOSTCN = 103 and TRCPRGMOD = C2	sum of HHPRP ÷ 100
TRC104	HHCOSTCN = 104	sum of HHPRP ÷ 100
TRC105	HHCOSTCN = 105	sum of HHPRP ÷ 100
TRC106	HHCOSTCN = 106	sum of HHPRP ÷ 100
TRC107	HHCOSTCN = 107	sum of HHPRP ÷ 100
TRC108	HHCOSTCN = 108	sum of HHPRP ÷ 100
TRC109PGA	HHCOSTCN = 109 and TRCPRGMOD = A	sum of HHPRP ÷ 100

Field name	Definition	Value
TRC109PGB	HHCOSTCN = 109 and TRCPRGMOD = B	sum of HHPRP ÷ 100
TRC110	HHCOSTCN = 110	sum of HHPRP ÷ 100
TRC111	HHCOSTCN = 111	sum of HHPRP ÷ 100
TRC112	HHCOSTCN = 112	sum of HHPRP ÷ 100
TRC113	HHCOSTCN = 113	sum of HHPRP ÷ 100
TRC114	HHCOSTCN = 114	sum of HHPRP ÷ 100
TRC115	HHCOSTCN = 115	sum of HHPRP ÷ 100
TRC116	HHCOSTCN = 116	sum of HHPRP ÷ 100
TRC117	HHCOSTCN = 117	sum of HHPRP ÷ 100
TRC118	HHCOSTCN = 118	sum of HHPRP ÷ 100
TRC119	HHCOSTCN = 119	sum of HHPRP ÷ 100
TRC120	HHCOSTCN = 120	sum of HHPRP ÷ 100
TRC121	HHCOSTCN = 121	sum of HHPRP ÷ 100
TRC122	HHCOSTCN = 122	sum of HHPRP ÷ 100
TRC123	HHCOSTCN = 123	sum of HHPRP ÷ 100
TRC124	HHCOSTCN = 124	sum of HHPRP ÷ 100
TRC125	HHCOSTCN = 125	sum of HHPRP ÷ 100
TRC126	HHCOSTCN = 126	sum of HHPRP ÷ 100
TRC127	HHCOSTCN = 127	sum of HHPRP ÷ 100
TRC128	HHCOSTCN = 128	sum of HHPRP ÷ 100
TRC129	HHCOSTCN = 129	sum of HHPRP ÷ 100
TRC130	HHCOSTCN = 130	sum of HHPRP ÷ 100
TRC131PGC2	HHCOSTCN = 131 and TRCPRGMOD = C2	sum of HHPRP ÷ 100
TRC131PGD	HHCOSTCN = 131 and TRCPRGMOD = D	sum of HHPRP ÷ 100
TRC132	HHCOSTCN = 132	sum of HHPRP ÷ 100
TRC133	HHCOSTCN = 133	sum of HHPRP ÷ 100
TRC134	HHCOSTCN = 134	sum of HHPRP ÷ 100
TRC135PGC2	HHCOSTCN = 135 and TRCPRGMOD = C2	sum of HHPRP ÷ 100
TRC135PGD	HHCOSTCN = 135 and TRCPRGMOD = D	sum of HHPRP ÷ 100
TRC136	HHCOSTCN = 136	sum of HHPRP ÷ 100
TRC137	HHCOSTCN = 137	sum of HHPRP ÷ 100
TRC138	HHCOSTCN = 138	sum of HHPRP ÷ 100
TRC139	HHCOSTCN = 139	sum of HHPRP ÷ 100
TRC140	HHCOSTCN = 140	sum of HHPRP ÷ 100
TRC141	HHCOSTCN = 141	sum of HHPRP ÷ 100
TRC142	HHCOSTCN = 142	sum of HHPRP ÷ 100
TRC143	HHCOSTCN = 143	sum of HHPRP ÷ 100

Field name	Definition	Value
TRC144	$\text{HHCOSTCN} = 144$	sum of $\text{HHPRP} \div 100$
TRC145	$\text{HHCOSTCN} = 145$	sum of $\text{HHPRP} \div 100$
TRC999	$\text{HHCOSTCN} = 999$	sum of $\text{HHPRP} \div 100$

TRCCOSTCNXXX (Column N-BN)

26. This field contains the FTE mapping to each cost centre. XXX is the cost centre number and price group split if applicable to the cost centre

Field name	Value
TRCCOSTCN101PGA	$\text{TRC101PGA} \times (\text{HESESFTE} \div 100)$
TRCCOSTCN101PGB	$\text{TRC101PGB} \times (\text{HESESFTE} \div 100)$
TRCCOSTCN102PGA	$\text{TRC102PGA} \times (\text{HESESFTE} \div 100)$
TRCCOSTCN102PGB	$\text{TRC102PGB} \times (\text{HESESFTE} \div 100)$
TRCCOSTCN103PGB	$\text{TRC103PGB} \times (\text{HESESFTE} \div 100)$
TRCCOSTCN103PGC1	$\text{TRC103PGC1} \times (\text{HESESFTE} \div 100)$
TRCCOSTCN103PGC2	$\text{TRC103PGC2} \times (\text{HESESFTE} \div 100)$
TRCCOSTCN104	$\text{TRC104} \times (\text{HESESFTE} \div 100)$
TRCCOSTCN105	$\text{TRC105} \times (\text{HESESFTE} \div 100)$
TRCCOSTCN106	$\text{TRC106} \times (\text{HESESFTE} \div 100)$
TRCCOSTCN107	$\text{TRC107} \times (\text{HESESFTE} \div 100)$
TRCCOSTCN108	$\text{TRC108} \times (\text{HESESFTE} \div 100)$
TRCCOSTCN109PGA	$\text{TRC109PGA} \times (\text{HESESFTE} \div 100)$
TRCCOSTCN109PGB	$\text{TRC109PGB} \times (\text{HESESFTE} \div 100)$
TRCCOSTCN110	$\text{TRC110} \times (\text{HESESFTE} \div 100)$
TRCCOSTCN111	$\text{TRC111} \times (\text{HESESFTE} \div 100)$
TRCCOSTCN112	$\text{TRC112} \times (\text{HESESFTE} \div 100)$
TRCCOSTCN113	$\text{TRC113} \times (\text{HESESFTE} \div 100)$
TRCCOSTCN114	$\text{TRC114} \times (\text{HESESFTE} \div 100)$
TRCCOSTCN115	$\text{TRC115} \times (\text{HESESFTE} \div 100)$
TRCCOSTCN116	$\text{TRC116} \times (\text{HESESFTE} \div 100)$
TRCCOSTCN117	$\text{TRC117} \times (\text{HESESFTE} \div 100)$
TRCCOSTCN118	$\text{TRC118} \times (\text{HESESFTE} \div 100)$
TRCCOSTCN119	$\text{TRC119} \times (\text{HESESFTE} \div 100)$
TRCCOSTCN120	$\text{TRC120} \times (\text{HESESFTE} \div 100)$
TRCCOSTCN121	$\text{TRC121} \times (\text{HESESFTE} \div 100)$
TRCCOSTCN122	$\text{TRC122} \times (\text{HESESFTE} \div 100)$
TRCCOSTCN123	$\text{TRC123} \times (\text{HESESFTE} \div 100)$
TRCCOSTCN124	$\text{TRC124} \times (\text{HESESFTE} \div 100)$

Field name	Value
TRCCOSTCN125	TRC125 × (HESESFTE ÷ 100)
TRCCOSTCN126	TRC126 × (HESESFTE ÷ 100)
TRCCOSTCN127	TRC127 × (HESESFTE ÷ 100)
TRCCOSTCN128	TRC128 × (HESESFTE ÷ 100)
TRCCOSTCN129	TRC129 × (HESESFTE ÷ 100)
TRCCOSTCN130	TRC130 × (HESESFTE ÷ 100)
TRC131COSTCNPGC2	TRC131PGC2 × (HESESFTE ÷ 100)
TRC131COSTCNPGD	TRC131PGD × (HESESFTE ÷ 100)
TRCCOSTCN132	TRC132 × (HESESFTE ÷ 100)
TRCCOSTCN133	TRC133 × (HESESFTE ÷ 100)
TRCCOSTCN134	TRC134 × (HESESFTE ÷ 100)
TRCCOSTCN135PGC2	TRC135PGC2 × (HESESFTE ÷ 100)
TRCCOSTCN135PGD	TRC135PGD × (HESESFTE ÷ 100)
TRCCOSTCN136	TRC136 × (HESESFTE ÷ 100)
TRCCOSTCN137	TRC137 × (HESESFTE ÷ 100)
TRCCOSTCN138	TRC138 × (HESESFTE ÷ 100)
TRCCOSTCN139	TRC139 × (HESESFTE ÷ 100)
TRCCOSTCN140	TRC140 × (HESESFTE ÷ 100)
TRCCOSTCN141	TRC141 × (HESESFTE ÷ 100)
TRCCOSTCN142	TRC142 × (HESESFTE ÷ 100)
TRCCOSTCN143	TRC143 × (HESESFTE ÷ 100)
TRCCOSTCN144	TRC144 × (HESESFTE ÷ 100)
TRCCOSTCN145	TRC145 × (HESESFTE ÷ 100)
TRCCOSTCN999	TRC999 × (HESESFTE ÷ 100)

TRCCOSTCNGRPX (Column BO-BS)

27. This field contains the FTE mapping to notional cost centre price groups. X refers to the price group.

Field name	Definition	Value
TRCCOSTCNGRPA	Notional cost centre price group A	sum of (TRCCOSTCN101PGA, TRCCOSTCN102PGA, TRCCOSTCN109PGA)
TRCCOSTCNGRPB	Notional cost centre price group B	sum of (TRCCOSTCN101PGB, TRCCOSTCN102PGB, TRCCOSTCN103PGB, TRCCOSTCN106, TRCCOSTCN107, TRCCOSTCN109PGB, TRCCOSTCN110, TRCCOSTCN111, TRCCOSTCN112, TRCCOSTCN113, TRCCOSTCN114, TRCCOSTCN115, TRCCOSTCN116, TRCCOSTCN117, TRCCOSTCN118, TRCCOSTCN119, TRCCOSTCN120)

Field name	Definition	Value
TRCCOSTCNGRPC1	Notional cost centre price group C1	sum of (TRCCOSTCN103PGC1, TRCCOSTCN121, TRCCOSTCN126, TRCCOSTCN143, TRCCOSTCN144, TRCCOSTCN145)
TRCCOSTCNGRPC2	Notional cost centre price group C2	sum of (TRCCOSTCN103PGC2, TRCCOSTCN104, TRCCOSTCN105, TRCCOSTCN108, TRCCOSTCN122, TRCCOSTCN123, TRCCOSTCN124, TRCCOSTCN131PGC2, TRCCOSTCN134, TRC135COSTCNPGC2, TRCCOSTCN137)
TRCCOSTCNGRPD	Notional cost centre price group D	sum of (TRCCOSTCN125, TRCCOSTCN127, TRCCOSTCN128, TRCCOSTCN129, TRCCOSTCN130, TRC131COSTCNPGD, TRCCOSTCN132, TRCCOSTCN133, TRC135COSTCNPGD, TRCCOSTCN136, TRCCOSTCN138, TRCCOSTCN139, TRCCOSTCN140, TRCCOSTCN141, TRCCOSTCN142, TRCCOSTCN999)

TRCEXCL1024 (Column EB)

28. This field indicates whether a student is excluded as there is no HESA cost centre information.

Value	Description	Definition
1	No HESA cost centre information and FTE of at least 0.03	sum of TRCXXX = 0 and HESESFTE \geq 3
0	Otherwise	Otherwise

TRCEXCL (Column M)

29. This field indicates whether the student is included in the population for the 2018-19 OfS-fundable student FTEs for TRAC(T) output. For students excluded from the population, TRCEXCL contains the sum of all applicable values from the table below. For example, if a student has TRCEXCL = 74, then subtracting figures from the below table starting at the bottom, we see that the student is on an incoming exchange (exclusion value 64), is explicitly excluded (exclusion value 8) and is a FE, NVQ or QTS only student (exclusion value 2). Students included in the population have TRCEXCL = 0.

30. Values 1 to 512 are the same as the exclusion clauses in the HESES18A comparison.

Value	Description	Definition
1	Student not active in academic year	EXCL1 = 1
2	FE, NVQ, QTS only or visiting student	EXCL2 = 1
4	Student with no qualification aim	EXCL4 = 1
8	Student explicitly excluded from the HESES population	EXCL8 = 1
16	Student taught mostly outside the UK	EXCL16 = 1
32	Student who is dormant, sabbatical or writing up	EXCL32 = 1

Value	Description	Definition
64	Incoming exchange student	EXCL64 = 1
128	Student with an FTE of less than 0.03	EXCL128 = 1
256	Student on non-standard year of instance in final academic year	EXCL256 = 1
512	Student who withdrew before 2 December 2018 or left within 14 days of starting without completing	EXCL512 = 1
1024	No HESA cost centre information and FTE of at least 0.03	TRCEXCL1024 = 1
0	Otherwise	None of the above

Rebuilding the 2018-19 OfS-fundable student FTEs for TRAC(T) data summary output workbook

Summary

31. This section explains how to rebuild the tables in the 2018-19 OfS-fundable student FTEs for TRAC(T) data summary workbook (TRACT18_DCT_100XXXXX.xlsx), from the modularised file (TRACT18_DCT_100XXXXX_MOD.csv) and the individualised file (TRACT18_DCT_100XXXXX_IND.csv).

32. These rebuild instructions refer to 2018-19 FTEs only. However, these instructions can also be used to rebuild 2017-18 FTEs from 2017-18 HESA Student data.

Key differences

Rebuild from the individualised file

33. The table below describes how to rebuild the figures for 2018-19 FTEs in the key differences table from the individualised file.

Item	Filters to apply to individualised file
Notional cost centre price group	TRCEXCL = 0 HESTYPE = HOMEF HESCOMP = 4 HESMODE = FTS, PT Sum of TRCCOSTCNGRPX (where X is the price group)
Cost centre	TRCEXCL = 0 HESCOMP = 4 Sum of TRCCOSTCNXXX (where XXX is the cost centre)

Rebuild from the modularised file

34. The table below describes how to rebuild the figures for 2018-19 FTEs in the key differences table from the modularised file.

Item	Filters to apply to modularised file
Notional cost centre price group	TRCEXCL = 0 HESTYPE = HOMEF HESCOMP = 4 HESMODE = FTS, PT TRCCOSTCNGRPMOD = X (where X is the price group) Sum of PRGFTE ÷ 100

Item	Filters to apply to modularised file
Cost centre	TRCEXCL = 0 HESCOMP = 4 HHCOSTCN = XXX (where XXX is the cost centre) Sum of PRGFTE ÷ 100

TRAC(T) FTEs

Rebuild from the individualised file

35. The table below describes how to rebuild the figures for 2018-19 FTEs in the TRAC(T) FTEs table from the individualised file.

Item	Filters to apply to individualised file
OfS-fundable	TRCEXCL = 0 HESTYPE = HOMEF HESCOMP = 4 HESMODE = FTS, PT Sum of TRCCOSTCNXXX (where XXX is the cost centre number and price group split if applicable to the cost centre)
Non-fundable	TRCEXCL = 0 HESTYPE = HOMENF HESCOMP = 4 HESLEVEL ≠ PGR Sum of TRCCOSTCNXXX (where XXX is the cost centre number and price group split if applicable to the cost centre)
Island and overseas	TRCEXCL = 0 HESTYPE = ISOV HESCOMP = 4 HESLEVEL ≠ PGR Sum of TRCCOSTCNXXX (where XXX is the cost centre number and price group split if applicable to the cost centre)

Rebuild from the modularised file

36. The table below describes how to rebuild the figures for 2018-19 FTEs in the TRAC(T) FTEs table from the modularised file.

Item	Filters to apply to modularised file
OfS-fundable	TRCEXCL = 0 HESTYPE = HOMEF HESCOMP = 4 HESMODE = FTS, PT HHCOSTCN = XXX (where XXX is the cost centre) TRCCOSTCNGRPMOD = XX (where XX is the price group) Sum of PRGFTE ÷ 100
Non-fundable	TRCEXCL = 0 HESTYPE = HOMENF HESCOMP = 4 HESLEVEL ≠ PGR HHCOSTCN = XXX (where XXX is the cost centre) TRCCOSTCNGRPMOD = XX (where XX is the price group) Sum of PRGFTE ÷ 100
Island and overseas	TRCEXCL = 0 HESTYPE = ISOV HESCOMP = 4 HESLEVEL ≠ PGR HHCOSTCN = XXX (where XXX is the cost centre) TRCCOSTCNGRPMOD = XX (where XX is the price group) Sum of PRGFTE ÷ 100

1 Full-time, 2 Sandwich and 3 Part-time

Rebuild from the individualised file

37. The table below describes how to rebuild the figures for 2018-19 FTEs in the 1 Full-time, 2 Sandwich and 3 Part-time tables from the individualised file.

Item	Filters to apply to individualised file
Column 1	<p>TRCEXCL = 0</p> <p>HESMODE = FTS (for 1 Full-time) or HESMODE = SWOUT (for 2 Sandwich) or HESMODE = PT (for 3 Part-time)</p> <p>HESTYPE = HOMEF (for OfS-fundable) or HESTYPE = HOMENF (for Non-fundable) or HESTYPE = ISOV (for Island and overseas)</p> <p>LENGTH = S (for Standard) or LENGTH = L (for Long)</p> <p>HESLEVEL = UG (for UG) or HESLEVEL = PGT_UGF, PGT_ML, PGT_OTH (for = PGT) or HESLEVEL = PGR (for PGR)</p> <p>HESREG = 1</p> <p>Sum of TRCXXX (where XXX is the cost centre number and price group split if applicable to the cost centre)</p>
Column 2	<p>TRCEXCL = 0</p> <p>HESMODE = FTS (for 1 Full-time) or HESMODE = SWOUT (for 2 Sandwich) or HESMODE = PT (for 3 Part-time)</p> <p>HESTYPE = HOMEF (for OfS-fundable) or HESTYPE = HOMENF (for Non-fundable) or HESTYPE = ISOV (for Island and overseas)</p> <p>LENGTH = S (for Standard) or LENGTH = L (for Long)</p> <p>HESLEVEL = UG (for UG) or HESLEVEL = PGT_UGF, PGT_ML, PGT_OTH (for = PGT) or HESLEVEL = PGR (for PGR)</p> <p>HESREG = 2</p> <p>Sum of TRCXXX (where XXX is the cost centre number and price group split if applicable to the cost centre)</p>

Item	Filters to apply to individualised file
Column 3 (negative values)	<p>TRCEXCL = 0</p> <p>HESMODE = FTS (for 1 Full-time) or HESMODE = SWOUT (for 2 Sandwich) or HESMODE = PT (for 3 Part-time)</p> <p>HESTYPE = HOMEF (for OfS-fundable) or HESTYPE = HOMENF (for Non-fundable) or HESTYPE = ISOV (for Island and overseas)</p> <p>LENGTH = S (for Standard) or LENGTH = L (for Long)</p> <p>HESLEVEL = UG (for UG) or HESLEVEL = PGT_UGF, PGT_ML, PGT_OTH (for = PGT) or HESLEVEL = PGR (for PGR)</p> <p>HESCOMP = 3</p> <p>Sum of TRCXXX (where XXX is the cost centre number and price group split if applicable to the cost centre)</p>
Column 4	<p>TRCEXCL = 0</p> <p>HESMODE = FTS (for 1 Full-time) or HESMODE = SWOUT (for 2 Sandwich) or HESMODE = PT (for 3 Part-time)</p> <p>HESTYPE = HOMEF (for OfS-fundable) or HESTYPE = HOMENF (for Non-fundable) or HESTYPE = ISOV (for Island and overseas)</p> <p>LENGTH = S (for Standard) or LENGTH = L (for Long)</p> <p>HESLEVEL = UG (for UG) or HESLEVEL = PGT_UGF, PGT_ML, PGT_OTH (for = PGT) or HESLEVEL = PGR (for PGR)</p> <p>HESCOMP = 4</p> <p>Sum of TRCXXX (where XXX is the cost centre number and price group split if applicable to the cost centre)</p>

Item	Filters to apply to individualised file
Column 4a (3 Part-time only)	<p>TRCEXCL = 0</p> <p>HESMODE = PT (for 3 Part-time)</p> <p>HESTYPE = HOMEF (for OfS-fundable) or HESTYPE = HOMENF (for Non-fundable) or HESTYPE = ISOV (for Island and overseas)</p> <p>LENGTH = S (for Standard) or LENGTH = L (for Long)</p> <p>HESLEVEL = UG (for UG) or HESLEVEL = PGT_UGF, PGT_ML, PGT_OTH (for = PGT) or HESLEVEL = PGR (for PGR)</p> <p>HESCOMP = 4</p> <p>Sum of TRCCOSTCNXXX (where XXX is the cost centre number and price group split if applicable to the cost centre)</p>

Rebuild from the modularised file

38. The table below describes how to rebuild the figures for 2018-19 FTEs in the 1 Full-time, 2 Sandwich and 3 Part-time tables from the modularised file.

Item	Filters to apply to modularised file
Column 1	<p>TRCEXCL = 0</p> <p>HESMODE = FTS (for 1 Full-time) or HESMODE = SWOUT (for 2 Sandwich) or HESMODE = PT (for 3 Part-time)</p> <p>HESTYPE = HOMEF (for OfS-fundable) or HESTYPE = HOMENF (for Non-fundable) or HESTYPE = ISOV (for Island and overseas)</p> <p>LENGTH = S (for Standard) or LENGTH = L (for Long)</p> <p>HESLEVEL = UG (for UG) or HESLEVEL = PGT_UGF, PGT_ML, PGT_OTH (for = PGT) or HESLEVEL = PGR (for PGR)</p> <p>HESREG = 1</p> <p>HHCOSTCN = XXX (where XXX is the cost centre)</p> <p>TRCCOSTCNGRPMOD = XX (where XX is the price group)</p>

	Sum of HHPRP ÷ 100
Column 2	<p>TRCEXCL = 0</p> <p>HESMODE = FTS (for 1 Full-time) or HESMODE = SWOUT (for 2 Sandwich) or HESMODE = PT (for 3 Part-time)</p> <p>HESTYPE = HOMEF (for OfS-fundable) or HESTYPE = HOMENF (for Non-fundable) or HESTYPE = ISOV (for Island and overseas)</p> <p>LENGTH = S (for Standard) or LENGTH = L (for Long)</p> <p>HESLEVEL = UG (for UG) or HESLEVEL = PGT_UGF, PGT_ML, PGT_OTH (for = PGT) or HESLEVEL = PGR (for PGR)</p> <p>HESREG = 2</p> <p>HHCOSTCN = XXX (where XXX is the cost centre)</p> <p>TRCCOSTCNGRPMOD = XX (where XX is the price group)</p> <p>Sum of HHPRP ÷ 100</p>
Column 3 (negative values)	<p>TRCEXCL = 0</p> <p>HESMODE = FTS (for 1 Full-time) or HESMODE = SWOUT (for 2 Sandwich) or HESMODE = PT (for 3 Part-time)</p> <p>HESTYPE = HOMEF (for OfS-fundable) or HESTYPE = HOMENF (for Non-fundable) or HESTYPE = ISOV (for Island and overseas)</p> <p>LENGTH = S (for Standard) or LENGTH = L (for Long)</p> <p>HESLEVEL = UG (for UG) or HESLEVEL = PGT_UGF, PGT_ML, PGT_OTH (for = PGT) or HESLEVEL = PGR (for PGR)</p> <p>HESCOMP = 3</p> <p>HHCOSTCN = XXX (where XXX is the cost centre)</p> <p>TRCCOSTCNGRPMOD = XX</p>

	<p>(where XX is the price group)</p> <p>Sum of HHPRP ÷ 100</p>
Column 4	<p>TRCEXCL = 0</p> <p>HESMODE = FTS (for 1 Full-time) or HESMODE = SWOUT (for 2 Sandwich) or HESMODE = PT (for 3 Part-time)</p> <p>HESTYPE = HOMEF (for OfS-fundable) or HESTYPE = HOMENF (for Non-fundable) or HESTYPE = ISOV (for Island and overseas)</p> <p>LENGTH = S (for Standard) or LENGTH = L (for Long)</p> <p>HESLEVEL = UG (for UG) or HESLEVEL = PGT_UGF, PGT_ML, PGT_OTH (for = PGT) or HESLEVEL = PGR (for PGR)</p> <p>HESCOMP = 4</p> <p>HHCOSTCN = XXX (where XXX is the cost centre)</p> <p>TRCCOSTCNGRPMOD = XX (where XX is the price group)</p> <p>Sum of HHPRP ÷ 100</p>
Column 4a (3 Part-time only)	<p>TRCEXCL = 0</p> <p>HESMODE = PT (for 3 Part-time)</p> <p>HESTYPE = HOMEF (for OfS-fundable) or HESTYPE = HOMENF (for Non-fundable) or HESTYPE = ISOV (for Island and overseas)</p> <p>LENGTH = S (for Standard) or LENGTH = L (for Long)</p> <p>HESLEVEL = UG (for UG) or HESLEVEL = PGT_UGF, PGT_ML, PGT_OTH (for = PGT) or HESLEVEL = PGR (for PGR)</p> <p>HESCOMP = 4</p> <p>HHCOSTCN = XXX (where XXX is the cost centre)</p> <p>TRCCOSTCNGRPMOD = XX (where XX is the price group)</p>

	Sum of PRGFTE ÷ 100
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