

**Office for
Students**



**2018-19 HESA
alternative provider
student data checking tool
HESES18B comparison technical document**

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Summary

1. This document describes the Higher Education Students Early Statistics survey 2018-19 (HESES18B) comparison files generated by the 2018-19 Higher Education Statistics Agency (HESA) alternative provider (AP) student data checking tool, and the algorithms used to generate the data needed to recreate HESES18B from 2018-19 HESA AP student data. Throughout the document, fields taken or derived from the HESA AP student record are shown in capitals.
2. The HESES18B comparison output can be used by higher education providers to verify and correct their 2018-19 individualised student data before signing off the final data with HESA.
3. This document is aimed at readers with in-depth knowledge of the data. Readers are advised to refer to the Coding Manual for the 2018-19 HESA AP student record (<https://www.hesa.ac.uk/collection/c18054>) and 'HESES18 Higher Education Students Early Statistics Survey 2018-19' (<https://www.officeforstudents.org.uk/publications/heses18-higher-education-students-early-statistics-survey-2018-19/>) when using this document.
4. The HESES18B comparison output comprises two files. These are:
 - a. HESES18B comparison workbook 'HES18B_DCT_XXXXXXXX.xlsx'.
 - b. HESES18B comparison individualised file 'HES18B_DCT_XXXXXXXX_IND.csv'.
5. These files can be accessed via the Information Reporting Interface Service (IRIS) report which is available on HESA's data collection site at <https://datacollection.hesa.ac.uk/>. Details will be emailed to the named student data contacts at providers when outputs become available.

Changes from the HESES17 population output

6. This section describes any changes to the algorithms since the publication of the technical document for the HESES17 population individualised file included in the 'Funding data summaries' package on the '2017-18 Post-collection outputs' area of the Office for Students (OfS) portal. Any additions are shown as **bold and underlined**.

HESELQQAIM

7. Students aiming for a first registrable degree in medicine, dentistry or veterinary science are now assigned to a new broad qualification aim (HESELQQAIM = **LEV7_MDV**) so that these qualifications are treated, for ELQ purposes, as if they were at Level 6, even though they typically meet the expectations of the descriptor for a higher education qualification at Level 7.

Value	Description	Definition
LEV7_MDV	First registrable degree in medicine, dentistry or veterinary science	HESCOURSEAIM_P1 = H16, M26 and (HESREGBODY1_P1 = 01, 14, 30 or HESREGBODY2_P1 = 01, 14, 30)

HESELQCOMP

8. (HESELQQAIM = ~~LEV7_MPV~~) has been added to the algorithm for (HESELQCOMP = 1) so that it is treated in the same way as (HESELQQAIM = PGCE, LEV7_MPHARM, LEV6_OTH).
9. (HESREGBODY1_P1 = 01, 14, 30) and (HESREGBODY2_P1 = 01, 14, 30) have been added to the algorithm for (HESELQCOMP = 0) so that students who are aiming for a post-registration health and social care qualification at level M (HESCOURSEAIM_P1 = M76), and have already completed an integrated undergraduate/postgraduate taught masters' degree course in medicine, dentistry or veterinary science, are not treated as aiming for an ELQ.

Value	Description	Definition
0	Otherwise	Not above or (HESCOURSEAIM_P1 = M76 and (HESREGBODY1_P1 = 01, 14, 15, 30 or HESREGBODY2_P1 = 01, 14, 15, 30) and QUALENT3 = M2X)

HESHEALTHYEAR

10. This field has an additional value (HESHEALTHYEAR = ~~2018-19~~) to identify students starting in 2018-19 so that those on pre-registration nursing, midwifery and allied health courses can be included in the health population determined by the HESHEALTHPOP algorithm.

Value	Description	Definition
2017-18	Student started in the 2017-18 academic year	COMDATE > 31 July 2017 and COMDATE < 1 August 2018
2018-19	Student started in the 2018-19 academic year.	COMDATE > 31 July 2018

HESMODE

11. The (HESMODE = SWOUT) algorithm now has an additional clause that identifies whether the student is on an industrial or other placement for the year as a whole. Students who would previously have been recorded as sandwich year out, but are not on an industrial or other placement for the year as a whole, are now recorded as full-time.

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

HESLEVEL

12. The algorithm for (HESLEVEL = PGT_ML) now only includes the HESCOURSEAIM_P1 codes for masters' degrees that are valid when (HESINITIATIVES1_P1 = U or HESINITIATIVES2_P1 = U).

13. The algorithms for (HESLEVEL = PGT_ML, PGT_UGF) have been modified so that:

- a. Students on postgraduate, pre-registration nursing, midwifery and allied health courses specified in Annex L of the 'HESES18 Higher Education Students Early Statistics Survey 2018-19' publication are categorised as being on courses that are designated under the undergraduate student support arrangements (HESLEVEL = PGT_UGF).
- b. All other students on postgraduate courses leading towards obtaining eligibility to register to practice with a health or social care or veterinary statutory regulatory body are categorised as being on courses that are either designated (HESLEVEL = PGT_ML, where HESINITIATIVES1_P1 = U or HESINITIATIVES2_P1 = U) or not designated (HESLEVEL = PGT_OTH) under Regulation 4 of the Education (Postgraduate Masters' Degree Loans) Regulations 2016 (Statutory Instrument 2016/606), as amended.
- c. Students studying for a qualification at level M leading towards registration with the Architects Registration Board (where a qualification at level H is a pre-requisite for course entry) are categorised as (HESLEVEL = PGT_ML) where (HESINITIATIVES1_P1 = U or HESINITIATIVES2_P1 = U), otherwise they are categorised as (HESLEVEL = PGT_UGF).

Value	Description	Definition
PGT_ML	Postgraduate taught course eligible for masters' loans	(HESCOURSEAIM_P1 = E00, E43, E90, M00, M01, M02, M10, M11, M16, M40, M41, M42, M44, M50, M70, M71, M72, M73, M76, M78, M79, M80, M86, M88, M90, H50, H60, H61, H62, H72, H78, H81, I60, I61, I72, I73, I81 or (HESCOURSEAIM_P1 = M16 and HESHEALTHPROF1 = BLANK and HESHEALTHPROF2 = BLANK)) and (HESINITIATIVES1_P1 = U or HESINITIATIVES2_P1 = U)
PGT_UGF	Postgraduate taught and eligible under the undergraduate student support regime	(HESCOURSEAIM_P1 = E00, E43, E90, M00, M01, M02, M10, M11, M16, M40, M41, M42, M44, M50, M70, M71, M72, M73, M76, M78, M79, M80, M86, M90, H50, H60, H61, H62, H72, H78, H81, I60, I61, I72, I73, I81 and HESTTCID_P1 = 1, 2, Q) or (HESCOURSEAIM_P1 = M88 and HESINITIATIVES1_P1 ≠ U and HESINITIATIVES2_P1 ≠ U) or (HESCOURSEAIM_P1 = M16, M86, H62 and (HESHEALTHPROF1 ≠ BLANK or HESHEALTHPROF2 ≠ BLANK)) or HESCOURSEAIM_P1 = M88, H88

HESELQ

14. The algorithm has been inverted so that students either not aiming for an ELQ or exempt from the ELQ policy are identified before identifying those who are aiming for an ELQ and are not exempt according to OfS funding definitions.

15. Three clauses have been added to account for the exemption of:

- a. Students on a year of instance (in any mode or level of study) for which an NHS bursary is payable, and students on an undergraduate or postgraduate course (in any mode of study)

that on successful completion leads to first registration as a professional with one of the following:

- i. General Medical Council.
 - ii. General Dental Council for the professions of:
 1. Dentistry.
 2. Dental therapy.
 3. Dental hygiene.
 - iii. Nursing and Midwifery Council.
 - iv. Health and Care Professions Council for the professions of:
 1. Podiatrist or chiropodist.
 2. Dietician.
 3. Occupational therapist.
 4. Operating department practitioner.
 5. Orthoptist.
 6. Paramedic.
 7. Physiotherapist.
 8. Prosthetist or orthoptist.
 9. Radiographer.
 10. Social worker.
 11. Speech and language therapist.
 - v. Royal College of Veterinary Surgeons.
- b. Students on an undergraduate course (in any mode of study) whose primary (but not necessarily only) purpose is to improve the effectiveness of practitioners registered with one of the professional bodies listed in sub-paragraph 15a. In the case of the Health and Care Professions Council, this relates to practitioners in the professions listed in sub-paragraph 15a.iv.
- c. Students on a full-time course (for student support purposes) which leads towards registration with the Architects Registration Board.

Value	Description	Definition
0	Student is not aiming for an ELQ or is exempt	HESELQCOMP = 0 or HESDISALL = 1 or HESCOURSEAIM_P1 = J10, J16 or HESTTCID_P1 = 1, 2, 5, Q or (HESCOURSEAIM_P1 = H16, H62, I16, J26, M16, M26, M86 and (HESREGBODY1_P1 = 01, 06, 14, 30, 36, 37, 42, 44, 46, 47, 48, 49, 50, 52, 54, 55, 56, 57, 61, 62, 63, 64, 65 or HESREGBODY2_P1 = 01, 06, 14, 30, 36, 37, 42, 44, 46, 47, 48, 49, 50, 52, 54, 55, 56, 57, 61, 62, 63, 64, 65)) or (HESCOURSEAIM_P1 = H76, I76, J76 and (HESREGBODY1_P1 = 01, 06, 14, 30, 31, 33, 34, 35, 36, 37, 42, 44, 46, 47, 48, 49, 50, 52, 54, 55, 56, 57, 58, 60, 61, 62, 63, 64, 65 or HESREGBODY2_P1 = 01, 06, 14, 30, 31, 33, 34, 35, 36, 37, 42, 44, 46, 47, 48, 49, 50, 52, 54, 55, 56, 57, 58, 60, 61, 62, 63, 64, 65)) or (HESCOURSEAIM_P1 = H18, H78, H88, M28, M78, M88 and HESMODE = FTS) or HESCOURSEAIM_P1† = D, L
1	Student is aiming for an ELQ and is not exempt	HESELQCOMP = 1 and not above

HESTYPE

16. Changes have been made to the clause in the (HESTYPE = HOMENF) algorithm which identifies students on pre-registration nursing, midwifery and allied health courses that are not affected by the transfer of funding responsibility in 2017-18 and 2018-19 from the Department of Health and Social Care. HESHEALTHYEAR values are now specified for the parts relating to undergraduate dental hygiene and dental therapy and postgraduate pre-registration courses to take account of the transfer of funding responsibility for these courses from 2018-19.

Value	Description	Definition
HOMENF	Home and EU non-fundable	HESEC = UK, OEU and (HESTTCID_P1 = 1, 5, Q or HESELQ = 1 or HESLEVEL = PGR or (HESCOURSEAIM_P1 = H16, H62, I16, J26, M16, M26, M86 and (((HESHEALTHPROF1 ≠ BLANK, DENTHE, DENHYG or HESHEALTHPROF2 ≠ BLANK, DENTHE, DENHYG) and ((HESLEVEL = UG and HESHEALTHYEAR = 2016-17, OTHER) or (HESLEVEL = PGT_UGF, PGT_ML, PGT_OTH and HESHEALTHYEAR = 2017-18, 2016-17, OTHER))) or ((HESHEALTHPROF1 = DENTHE, DENHYG or HESHEALTHPROF2 = DENTHE, DENHYG) and HESHEALTHYEAR = 2017-18, 2016-17, OTHER))) or (HESMSTUFEE_P1 = 31 and GROSSFEE = 0) or (HESLEVEL = PGT_UGF, PGT_ML, PGT_OTH and HESMSTUFEE_P1 = 02, 03, 04, 06, 08, 09, 11, 12, 13, 14, 15, 17, 18, 19, 31, 32, 34, 35, 36, 37, 38, 39, 41, 42, 44, 49 and GROSSFEE = 0))

HESMDV

17. (HESCOURSEAIM_P1 = M16, M86) are not included in the algorithm for (HESLEVEL = UG). These codes are therefore redundant in the HESMDV algorithms, because a student must be (HESLEVEL = UG) to be assigned to (HESMDV = UMED, UDEN, UVET). The codes are no longer included in the HESMDV algorithms.

Value	Description	Definition
UMED	Undergraduate medic	HESLEVEL = UG and HESCOURSEAIM_P1 = H16, I16, M46, M26, M86 and (HESREGBODY1_P1 = 01 or HESREGBODY2_P1 = 01) and (HESSBJCA1_P1 = A100, A300 or HESSBJCA2_P1 = A100, A300 or HESSBJCA3_P1 = A100, A300)
UDEN	Undergraduate dentist	HESLEVEL = UG and HESCOURSEAIM_P1 = H16, I16, M46, M26, M86 and (HESREGBODY1_P1 = 30 or HESREGBODY2_P1 = 30) and (HESSBJCA1_P1 = A200, A400 or HESSBJCA2_P1 = A200, A400 or HESSBJCA3_P1 = A200, A400)
UVET	Undergraduate veterinary science	HESLEVEL = UG and HESCOURSEAIM_P1 = H16, I16, M46, M26, M86 and (HESREGBODY1_P1 = 14 or HESREGBODY2_P1 = 14) and (HESSBJCA1_P1* = D1, D2 or HESSBJCA2_P1* = D1, D2 or HESSBJCA3_P1* = D1, D2)

HESCLIN

18. (HESLEVEL = PGR) is now included in the algorithms for (HESCLIN = 2, 3).

Value	Description	Definition
2	Postgraduate clinical medical or dental student assigned to price group A	HESLEVEL = PGT_UGF, PGT_ML, PGT_OTH, PGR and (HESBJCA1_P1 = A300, A400, C842, C845 or HESBJCA2_P1 = A300, A400, C842, C845 or HESBJCA3_P1 = A300, A400, C842, C845)
3	Postgraduate clinical veterinary science student assigned to price group A	HESLEVEL = PGT_UGF, PGT_ML, PGT_OTH, PGR and (HESBJCA1_P1* = D2 or HESBJCA2_P1* = D2 or HESBJCA3_P1* = D2)

HESPRGA

19. The algorithm in the first row has been modified to include postgraduate clinical veterinary science students assigned to price group A (HESCLIN = 3).
20. A row has been added for students on pre-registration courses that on successful completion lead to a first registration with the General Dental Council (GDC) as a professional in dental therapy or dental hygiene. A clause in this algorithm confirms that the student should not be entirely attributed to price group C2, as determined by the algorithm in row 1 of HESPRGC2.

Value	Definition
1	HESCLIN = 1, 2, 3
1	(HESCOURSEAIM_P1 = H16, H62, I16, J26, M16, M26, M86 and (HESHEALTHPROF1 = DENTHE, DENHYG or HESHEALTHPROF2 = DENTHE, DENHYG)) and not above and not row 1 of HESPRGC2

HESPRGC2

21. The algorithm has been split between two rows to satisfy the requirement that all students who meet at least one of the conditions defined in the algorithm in row 1 be entirely attributed to price group C2, irrespective of activity in any academic cost centre or JACS code, or any other specific cases described in Annex G of the 'HESES18 Higher Education Students Early Statistics Survey 2018-19' publication.
22. (HESREGBODY1_P1 = 09, 10, 11) and (HESREGBODY2_P1 = 09, 10, 11) have been removed from the algorithm in row 2 as these codes are not valid for the 2018-19 HESA AP student record. Clauses in this algorithm confirm that the student should not be entirely attributed to either price group A, B or C1, as determined by the algorithms that assign a value of '1' to either HESPRGA, HESPRGB or HESPRGC1.

Value	Definition
1	HESMODE = SWOUT or HESTTCID_P1 = 1, 2, 5, Q and not row 1 of HESPRGA, HESPRGB or HESPRGC1

Value	Definition
1	HESREGBODY1_P1 = 09, 10, 11, 54 or HESREGBODY2_P1 = 09, 10, 11, 54 and not above and not rows 1 and 2 of HESPRGA and not row 1 of HESPRGB or HESPRGC1

HESPRGB

23. The clause in the algorithm in row 1 that relates to HESPRGA, HESPRGC1 and HESPRGC2 has been modified so that it now only accounts for the outcomes of algorithms in certain rows of HESPRGA (rows 1 and 2) and HESPRGC2 (row 1 only).

HESPRGC1

24. The clause in the algorithm in row 1 that relates to HESPRGA, HESPRGB and HESPRGC2 has been modified so that it now also accounts for the outcome of the algorithm in row 2 of HESPRGA.

HESHEALTHPOP

25. Some brackets have been added where they were missing.

26. Sub-clauses containing (HESHEALTHPROF1 ≠ DENHYG, DENTHE, BLANK and HESHEALTHPROF2 ≠ DENHYG, DENTHE, BLANK) have been changed to (HESHEALTHPROF1 ≠ DENHYG, DENTHE, BLANK **or** HESHEALTHPROF2 ≠ DENHYG, DENTHE, BLANK).

27. The sub-clause for (HESHEALTHYEAR = 2017-18, HESLEVEL = UG, HESTYPE = HOMENF) has been removed and (HESTYPE = HOMENF) has been added to the sub-clause for (HESHEALTHYEAR = 2017-18, HESLEVEL = UG, HESTYPE = HOMEF) because all years of instance and FTEs in this sub-category were recordable in Tables 7a, 7b and 7c of HESES18.

28. Sub-clauses relating to postgraduate students now include (HESLEVEL = PGT_UGF), because students on the postgraduate, pre-registration nursing, midwifery and allied health courses specified in Annex L of the 'HESES18 Higher Education Students Early Statistics Survey 2018-19' publication should be categorised as being on courses that are designated under the undergraduate student support arrangements.

29. A clause has been added to identify the cohort of students who started in 2018-19 that should be included in the health population.

Value	Description	Definition
1	Included in health population	<p>HESEXCL = 0 and HESCOURSEAIM_P1 = H16, H62, I16, J26, M16, M26, M86 and</p> <p>((HESHEALTHYEAR = 2016-17 and HESLEVEL = UG and ((HESTYPE = HOMEF and (HESHEALTHPROF1 = OCCTHE, OPDEPT, ORTHOP, PHYSIO, RADDIA, RADTHE or HESHEALTHPROF2 = OCCTHE, OPDEPT, ORTHOP, PHYSIO, RADDIA, RADTHE)) or (HESTYPE = HOMENF and (HESHEALTHPROF1 ≠ DENHYG, DENTHE, BLANK or HESHEALTHPROF2 ≠ DENHYG, DENTHE, BLANK)))) or</p> <p>(HESHEALTHYEAR = 2017-18 and ((HESLEVEL = UG and ((HESTYPE = HOMEF, HOMENF and (HESHEALTHPROF1 ≠ BLANK or HESHEALTHPROF2 ≠ BLANK)) or (HESTYPE = HOMENF and (HESHEALTHPROF1 = DENHYG, DENTHE or HESHEALTHPROF2 = DENHYG, DENTHE))))), or (HESLEVEL = PGT_UGF, PGT_ML, PGT_OTH and ((HESTYPE = HOMEF and (HESHEALTHPROF1 = OCCTHE, OPDEPT, ORTHOP, PHYSIO, RADDIA, RADTHE or HESHEALTHPROF2 = OCCTHE, OPDEPT, ORTHOP, PHYSIO, RADDIA, RADTHE)) or (HESTYPE = HOMENF and (HESHEALTHPROF1 ≠ DENHYG, DENTHE, BLANK or HESHEALTHPROF2 ≠ DENHYG, DENTHE, BLANK)))))) or</p> <p>(HESHEALTHYEAR = 2018-19 and ((HESLEVEL = UG and (HESTYPE = HOMEF, HOMENF and (HESHEALTHPROF1 ≠ BLANK or HESHEALTHPROF2 ≠ BLANK))) or (HESLEVEL = PGT_UGF, PGT_ML, PGT_OTH and (HESTYPE = HOMEF, HOMENF and (HESHEALTHPROF1 ≠ DENHYG, DENTHE, BLANK or HESHEALTHPROF2 ≠ DENHYG, DENTHE, BLANK))))))</p>

HESEXCL4

30. The algorithm as displayed in the technical document incorrectly used HESANNIV rather than COMDATE to identify students who left within 14 days of starting the instance. The code used to generate the outputs however was correct.

Value	Description	Definition
1	Student who withdrew before 2 December 2018 or left within 14 days	ENDDATE ≠ BLANK and (ENDDATE < 2 December 2018 or ENDDATE – COMDATE < 14)

31. The following four algorithms have been added for the purpose of improving our definition of HESNEWENTRANT.

HESBROADLEVEL

32. This field shows the broad level of study in 2018-19 for the purpose of defining new entrant status.

Value	Description	Definition
UG	Undergraduate	HESLEVEL = UG
PGT	Postgraduate taught	HESLEVEL = PGT_UGF, PGT_ML, PGT_OTH
PGR	Postgraduate research	HESLEVEL = PGR

HESUG17

33. This field indicates how many undergraduate taught years of instance for a higher education course recognised for OfS funding purposes were associated with the UKPRN and HUSID in the 2017-18 HESA Student record (HESLEVEL in 2017-18 = UG). This field will be blank if no HESA student data is available for the provider in 2017-18.

HESPGT17

34. This field indicates how many postgraduate taught years of instance for a higher education course recognised for OfS funding purposes were associated with the UKPRN and HUSID in the 2017-18 HESA Student record (HESLEVEL in 2017-18 = PGT_ML, PGT_OTH, PGT_UGF). This field will be blank if no HESA student data is available for the provider in 2017-18.

HESPGR17

35. This field indicates how many postgraduate research taught years of instance for a higher education course recognised for OfS funding purposes were associated with the UKPRN and HUSID in the 2017-18 HESA Student record (HESLEVEL in 2017-18 = PGR). This field will be blank if no HESA student data is available for the provider in 2017-18.

HESNEWENTRANT

36. This field has been updated to align more closely with the HESES18 definition of new entrants.

Value	Description	Definition
1	Has not been active at the same broad level at the registering provider in the previous academic year, linked by UKPRN and HUSID.	COMDATE > 31 July 2018 and ((HESBROADLEVEL = UG and HESUG17 = 0, BLANK) or (HESBROADLEVEL = PGT and HESPGT17 = 0, BLANK) or (HESBROADLEVEL = PGR and HESPGR17 = 0, BLANK))
0	Otherwise	Otherwise

HESES18B comparison workbook

37. The HESES18B comparison workbook 'HES18B_DCT_XXXXXXXX.xlsx' (where XXXXXXXX denotes the UK Provider Reference Number, UKPRN) contains the following worksheets:

Table 1: Worksheets in the HESES18B comparison workbook

Workbook tab*	Title
Information	Workbook information
Key differences	Key differences between HESES18B and HESES18B recreated using 2018-19 HESA AP Student data
Rebuild information	Comparison of HESES18B and HESES18B recreated using 2018-19 HESA AP Student data, with rebuild instructions
1 Full-time	HESES18B recreation Table 1: Full-time counts of years of instance
2 Sandwich	HESES18B recreation Table 2: Sandwich year out counts of years of instance
3 Part-time	HESES18B recreation Table 3: Part-time counts of years of instance
5 Planning	HESES18B recreation Table 5: Further student breakdowns for planning purposes
h1 Full-time	HESES18B Table 1: Full-time counts of years of instance
h2 Sandwich	HESES18B Table 2: Sandwich year out counts of years of instance
h3 Part-time	HESES18B Table 3: Part-time counts of years of instance
h5 Planning	HESES18B Table 5: Further student breakdowns for planning purposes
1 Full-time diff	Difference between HESES18B and HESES18B recreation Table 1: Full-time counts of years of instance
2 Sandwich diff	Difference between HESES18B and HESES18B recreation Table 2: Sandwich year out counts of years of instance
3 Part-time diff	Difference between HESES18B and HESES18B recreation Table 3: Part-time counts of years of instance
5 Planning diff	Difference between HESES18B and HESES18B recreation Table 5: Further student breakdowns for planning purposes

* Shading corresponds to the colour of the workbook tab.

38. The difference sheets (see worksheets ending in 'diff' in Table 1) will indicate where differences between the HESES18B recreation tables and the HESES18B tables exceed a given threshold. The size of this threshold can be altered by entering the required value where indicated on the worksheets. These sheets are to assist providers in reconciling differences between HESES18B data and HESES18B recreation data.

39. Providers are strongly encouraged to use the 'Rebuild information' worksheet in the 'HES18B_DCT_XXXXXXXX.xlsx' workbook, which may highlight data quality issues relating to the HESA AP fields used in the HESES18B recreation algorithms.

HESES18B comparison individualised file

40. You should use the individualised file 'HES18B_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.

41. The HESES18B comparison rebuild document provides instructions for rebuilding key figures in the workbook from the individualised file.

42. HESA AP student fields used to generate the data in the output are listed in Table 2.

Table 2: Fields used in the HESES18B comparison output

Entity	Field	Description	Column in individualised file
Provider	UKPRN	UK Provider Reference Number	A
Student	HUSID	HESA unique student identifier	B
Student	OWNSTU	Provider's own identifier for student	D
Instance	NUMHUS	Student instance identifier	C
Instance	OWNINST	Provider's own instance identifier	E
Instance	COMDATE	Start date of instance	AP
Instance	ENDDATE	End date of instance	AQ
Instance	GROSSFEE	Gross fee	AR
Instance	SLENGTH	Expected length of study	AS
Instance	UNITLGTH	Units of length	AT
Entry profile	DOMICILE	Domicile	AN
Entry profile	QUALENT3	Highest qualification on entry	AO
Instance period	COURSEID	Course identifier	N/A
Instance period	DISALL	Disabled student allowance	N/A
Instance period	EXCHIND	Exchange programmes	N/A
Instance period	INITIATIVES	Initiatives	N/A
Instance period	LOCSDY	Location of study	N/A
Instance period	MODE	Mode of study	N/A
Instance period	MSTUFEE	Major source of tuition fees	N/A
Instance period	PERIODEND	Instance period end date	N/A
Instance period	PERIODSTART	Instance period start date	N/A
Instance period	STULOAD	Student instance FTE	N/A

Entity	Field	Description	Column in individualised file
Instance period	YEARPRG	Year of course	N/A
Course	COURSEAIM	General qualification aim of course	N/A
Course	REGBODY	Regulatory body	N/A
Course	TTCID	Teacher training course	N/A
Course subject	SBJCA	Subject of course	N/A
Course subject	SBJPCNT	Subject percentage	N/A

Instance period data

43. The number of instance periods that can be returned for a given instance is unbounded; however, due to file size considerations we restrict the number of separate instance periods displayed in the individualised file to three. In the unusual case where an instance has more than three instance periods, all will be considered in our algorithms, although only three will be displayed in the individualised file.
44. Each instance period is assessed as to whether it is included in the HESES population, as defined by the derived field HESEXCL_PX (where X is the number of the instance period). Each instance period is then ranked by whether it is in the HESES population (HESEXCL_PX = 0), then by the latest PERIODSTART date.
45. The data associated with the first ranked instance period (where the derived fields end in P1) is then used to define the instance in the HESES population.

Description of derived fields

46. Fields derived from HESA AP student data are listed in Table 3.

Table 3: HESES18B comparison derived fields

Derived field name	Description	Paragraph	Column in individualised file
HESANNIV	Anniversary of start date in academic year	79	F
HESBROADLEVEL	Broad level of study	103	EA
HESCLIN	Price group A clinical medical, dental and veterinary science students	96	G
HESCOURSEAIM_PX	General qualification aim of course	51	AX, BZ, DB
HESCOURSEID_PX	Course identifier	50	AW, BY, DA
HESCRSELGTH	Expected length of the course in years	95	H
HESDISALL	Disabled Students' Allowance	85	I
HESDISALL_PX	Disabled Students' Allowance	52	AY, CA, DC
HESEC	Indicates whether student has a UK, other Home and EU, or other domicile	81	J
HESELQ	Indicates whether student is counted as aiming for an ELQ	92	K
HESELQCOMP	Indicates whether student is aiming for an ELQ	84	L
HESELQQAIM	Assigns broad qualification aim for determining whether student is aiming for an ELQ	82	M
HESELQQENT	Assigns broad qualification on entry group for determining whether student is aiming for an ELQ	83	N
HESEXCHIND_PX	Exchange programmes	53	AZ, CB, DD
HESEXCL	Reason(s) for exclusion from the HESES population	116	O
HESEXCL_PX	Reason(s) for exclusion of instance period	76	BA, CC, DE
HESEXCL1-16	HESES population exclusions	111 - 115	P-T
HESEXCL1-16_PX	Instance period exclusions	71 - 75	BB-BF, CD-CH, DF-DJ
HESHEALTHPOP	Identifies whether student is included in health population	108	U

Derived field name	Description	Paragraph	Column in individualised file
HESHEALTHPROF1-2	Identifies which nursing, midwifery or allied health professions the student is recorded against	86	V-W
HESHEALTHPROP1-2	Proportion of student's activity allocated to each health profession	87 - 88	X-Y
HESHEALTHYEAR	Indicates whether student started course in 2016-17, 2017-18, 2018-19 or another academic year	89	Z
HESINITIATIVES1-2_PX	Initiatives	54 - 55	BG-BH, CI-CJ, DK-DL
HESLEVEL	Level of study	91	AA
HESLOCSDY_PX	Location of study	56	BI, CK, DM
HESMDV	Undergraduate clinical and pre-clinical medical, dental and veterinary science students	94	AB
HESMODE	Mode of study	90	AC
HESMODE_PX	Mode of study	57	BJ, CL, DN
HESMSTUFEE_PX	Major source of tuition fees	58	BK, CM, DO
HESNEWENTRANT	Identifies whether student is a new entrant	107	AD
HESOVER	Primary derived field(s) being overridden	118	N/A
HESPERIODEND_PX	Instance period end date	49	AV, BX, CZ
HESPERIODSTART_PX	Instance period start date	48	AU, BW, CY
HESPGR17	Number of PGR years of instance in 2017-18	106	EC
HESPGT17	Number of PGT years of instance in 2017-18	105	EB
HESPRGA, HESPRGB, HESPRGC1, HESPRGC2, HESPRGD	Proportion of countable year in each price group	97, 99, 100, 98, 101	AE-AI
HESREG	HESES Column 1 or 2 indicator	80	AJ
HESREGBODY1-2_PX	Regulatory body for health and social care students	59 - 60	BL-BM, CN-CO, DP-DQ
HESRESSTAT	Fundability and residential status	102	AK
HESBJCA1-3_PX	Subject of course	61 - 63	BN-BP, CP-CR, DR-DT
HESBJPCNT1-3_PX	Proportion of time allocated for each subject	64 - 66	BQ-BS, CS-CU, DU-DW

Derived field name	Description	Paragraph	Column in individualised file
HESSTULOAD	Sum of FTE across all instance periods	109	AL
HESSTULOAD_PX	Student instance FTE	67	BT, CV, DX
HESTTCID_PX	Teacher training course	68	BU, CW, DY
HESTYPE	Fundability status	93	AM
HESUG17	Number of UG years of instance in 2017-18	104	EA
HESYEARPRG_PX	Year of course	69	BV, CX, DZ

Instance period derived fields

47. The following derived fields are used to define the top three ranked instance periods.

HESPERIODSTART_PX

48. These fields contain PERIODSTART for the associated instance period. X is equal to 1, 2 or 3.

HESPERIODEND_PX

49. These fields contain PERIODEND for the associated instance period. X is equal to 1, 2 or 3.

HESCOURSEID_PX

50. These fields contain COURSEID for the associated instance period. X is equal to 1, 2 or 3.

HESCOURSEAIM_PX

51. These fields contain COURSEAIM for the associated instance period. X is equal to 1, 2 or 3.

HESDISALL_PX

52. These fields contain DISALL for the associated instance period. X is equal to 1, 2 or 3.

HESEXCHIND_PX

53. These fields contain EXCHIND for the associated instance period. X is equal to 1, 2 or 3.

HESINITIATIVES1_PX

54. These fields contain INITIATIVES1 for the associated instance period. X is equal to 1, 2 or 3.

HESINITIATIVES2_PX

55. These fields contain INITIATIVES2 for the associated instance period. X is equal to 1, 2 or 3.

HESLOCSDY_PX

56. These fields contain LOCSDY for the associated instance period. X is equal to 1, 2 or 3.

HESMODE_PX

57. These fields contain MODE for the associated instance period. X is equal to 1, 2 or 3.

HESMSTUFEE_PX

58. These fields contain MSTUFEE for the associated instance period. X is equal to 1, 2 or 3.

HESREGBODY1_PX

59. These fields contain REGBODY1 for the associated instance period. X is equal to 1, 2 or 3.

HESREGBODY2_PX

60. These fields contain REGBODY2 for the associated instance period. X is equal to 1, 2 or 3.

HESBJCA1_PX

61. These fields contain SBJCA1 for the associated instance period. X is equal to 1, 2 or 3.

HESBJCA2_PX

62. These fields contain SBJCA2 for the associated instance period. X is equal to 1, 2 or 3.

HESBJCA3_PX

63. These fields contain SBJCA3 for the associated instance period. X is equal to 1, 2 or 3.

HESBJPCNT1_PX

64. These fields contain SBJPCNT1 for the associated instance period. X is equal to 1, 2 or 3.

HESBJPCNT2_PX

65. These fields contain SBJPCNT2 for the associated instance period. X is equal to 1, 2 or 3.

HESBJPCNT3_PX

66. These fields contain SBJPCNT3 for the associated instance period. X is equal to 1, 2 or 3.

HESSTULOAD_PX

67. These fields contain STULOAD for the associated instance period. X is equal to 1, 2 or 3.

HESTTCID_PX

68. These fields contain TTCID for the associated instance period. X is equal to 1, 2 or 3.

HESYEARPRG_PX

69. These fields contain YEARPRG for the associated instance period. X is equal to 1, 2 or 3.

Instance period exclusions

70. Each instance period is assessed as to whether it is included in the HESES population. The following derived fields explain the reasons for an instance period being excluded.

HESEXCL1_PX

71. Field indicating that a course aim of NVQ or QTS only, or visiting students is associated with the instance period. X is equal to 1, 2 or 3.

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

HESEXCL2_PX

72. Field indicating instance period with no qualification aim. X is equal to 1, 2 or 3.

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

HESEXCL4_PX

73. Field indicating students who are mostly taught outside of the UK for each instance period. X is equal to 1, 2 or 3.

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

HESEXCL8_PX

74. Field indicating students who are dormant, on sabbatical or writing up for each instance period. X is equal to 1, 2 or 3.

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

HESEXCL16_PX

75. Field indicating incoming exchange student for each instance period. X is equal to 1, 2 or 3.

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

HESEXCL_PX

76. This field indicates whether the instance period is included in the HESES18 population. For instance periods excluded from the HESES population, HESEXCL_PX contains the sum of all applicable values from the table below. X is equal to 1, 2 or 3.

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

77. This field contains the exclusion reason(s) for the instance period. It is calculated as $(1 \times \text{HESEXCL1_PX}) + (2 \times \text{HESEXCL2_PX}) + \dots + (16 \times \text{HESEXCL16_PX})$. The reason(s) which contribute to the exclusion of an instance period can therefore be calculated. For example, if HESEXCL_PX = 10, by subtracting figures from the above table and starting at the bottom, we see that the instance period is associated with a student who is dormant, on sabbatical or writing up (HESEXCL8_PX = 1) and that there is no qualification aim associated with the instance period (HESEXCL2_PX = 1).

Instance derived fields

78. The instance period with the latest PERIODSTART date, which is included in the HESES population, is used in the algorithms for the remaining derived fields.

HESANNIV

79. This field contains the anniversary of the start date (COMDATE) during the current academic year.

HESREG

80. This field assigns students to Column 1 or 2 of the HESES18 population.

Value	Description	Definition
1	Column 1 student	HESANNIV < 2 December 2018
2	Column 2 student	Otherwise

HESEC

81. This field indicates whether a student has a UK, other Home and EU, or other domicile.

Value	Description	Definition
UK	UK-domiciled	DOMICILE = XF, XG, XH, XI, XK
OEU	Other Home and EU domiciled	DOMICILE = AI, AN, AT, AW, AX, BE, BG, BL, BM, BQ, CH, CW, CZ, DE, DK, EE, ES, EU, FI, FK, FO, FR, GF, GI, GL, GP, GR, GS, HR, HU, IC, IE, IS, IT, KY, LI, LT, LU, LV, MF, MQ, MS, MT, NC, NL, NO, PF, PL, PM, PN, PT, RE, RO, SE, SH, SI, SK, SX, TC, VG, WF, XA, YT
OTHER	Otherwise	Otherwise

HESELQQAIM

82. This field assigns the student to a broad qualification aim for use in determining whether or not they are aiming for an ELQ.

Value	Description	Definition
LEV8	Higher education (HE) at Level 8	HESCOURSEAIM_P1 [†] = D, E
PGCE	Postgraduate Certificate in Education or Professional Graduate Diploma in Education or Professional Graduate Certificate in Education	HESCOURSEAIM_P1 = M71, H71
LEV7_MDV	First registrable degree in medicine, dentistry or veterinary science	HESCOURSEAIM_P1 = H16, M26 and (HESREGBODY1_P1 = 01, 14, 30 or HESREGBODY2_P1 = 01, 14, 30)
LEV7_MPHARM	MPharm	HESCOURSEAIM_P1 = M26 and (HESREGBODY1_P1 = 15 or HESREGBODY2_P1 = 15)
LEV7_DEG	HE at Level 7 that is equivalent to a masters	(HESCOURSEAIM_P1 = L00, M00, M01, M02, M10, M11, M16, M22, M26, M28) and not above
LEV7_DIP	Diploma at Level 7	HESCOURSEAIM_P1 = M41
LEV7_OTH	Other HE at Level 7	(HESCOURSEAIM_P1 [†] = L, M) and not above
LEV6_OTH	Other HE at Level 6	(HESCOURSEAIM_P1 [†] = H) and not above
LEV6_ORD	Ordinary (non-honours) first degree	HESCOURSEAIM_P1 = I00, I11, I12, I16
LEV5	HE at Level 5	(HESCOURSEAIM_P1 [†] = I, J) and not above
LEV4	HE at Level 4	HESCOURSEAIM_P1 [†] = C
OTHER	Not HE	Otherwise

[†] The first character of HESCOURSEAIM_P1 is used.

HESELQENT

83. This field assigns the student to a broad qualification on entry group for use in determining whether or not they are aiming for an ELQ.

Value	Description	Definition
LEV8	HE at Level 8	QUALENT3 [†] = D
PGCE	Postgraduate Certificate in Education or Professional Graduate Diploma in Education or Professional Graduate Certificate in Education	QUALENT3 = H71, M71
LEV7_DEG	HE at Level 7 that is equivalent to a masters	QUALENT3 = MUK, MZZ, M2X
LEV7_DIP	Diploma at Level 7	QUALENT3 = M41
LEV7_CERT	Certificate at Level 7	QUALENT3 = M44
LEV7_OTH	Other HE at Level 7	(QUALENT3 [†] = M) and not above
LEV6_OTH	Other HE at Level 6	(QUALENT3 [†] = H) and not above
LEV6_ORD	UK ordinary (non-honours) first degree	QUALENT3 = JUK
LEV5	HE at Level 5	(QUALENT3 [†] = J) and not above
LEV4	HE at Level 4	QUALENT3 [†] = C
OTHER	Not HE	QUALENT3 [†] = P, Q, R or QUALENT3 = X00, X01, X02, X04, X05
UNKNOWN	Unknown level	Otherwise

† The first character of QUALENT3 is used.

HESELQCOMP

84. This field indicates whether or not the student is aiming for an ELQ.

Value	Description	Definition
1	Student is aiming for an ELQ	(HESELQQAIM = LEV8 and HESELQQENT = LEV8) or (HESELQQAIM = LEV7_DEG and HESELQQENT = LEV8, LEV7_DEG) or (HESELQQAIM = LEV7_DIP and HESELQQENT = LEV8, LEV7_DEG, LEV7_DIP) or (HESELQQAIM = LEV7_OTH and (HESELQQENT = LEV8, LEV7_DEG or (HESELQQENT = LEV7_OTH and QUALENT3 ≠ M90))) or (HESELQQAIM = PGCE, LEV7_MDV, LEV7_MPHARM, LEV6_OTH and (HESELQQENT = LEV8, LEV7_DEG, LEV7_DIP, LEV7_CERT, LEV7_OTH, PGCE or (HESELQQENT = LEV6_OTH and QUALENT3 ≠ H90))) or (HESELQQAIM = LEV6_ORD and HESELQQENT = LEV8, LEV7_DEG, LEV7_DIP, LEV7_CERT, LEV7_OTH, PGCE, LEV6_OTH, LEV6_ORD) or (HESELQQAIM = LEV5 and (HESELQQENT = LEV8, LEV7_DEG, LEV7_DIP, LEV7_CERT, LEV7_OTH, PGCE, LEV6_OTH, LEV6_ORD or (HESELQQENT = LEV5 and QUALENT3 ≠ I90, J90))) or (HESELQQAIM = LEV4 and (HESELQQENT = LEV8, LEV7_DEG, LEV7_DIP, LEV7_CERT, LEV7_OTH, PGCE, LEV6_OTH, LEV6_ORD, LEV5 or (HESELQQENT = LEV4 and QUALENT3 ≠ C90))) or HESELQQENT = UNKNOWN
0	Otherwise	Not above or (HESCOURSEAIM_P1 = M76 and (HESREGBODY1_P1 = 01, 14, 15, 30 or HESREGBODY2_P1 = 01, 14, 15, 30) and QUALENT3 = M2X)

HESDISALL

85. This field indicates whether or not the student is receiving Disabled Students' Allowances.

Value	Description	Definition
1	Student is receiving Disabled Students' Allowances	HESDISALL_PX† = 4
0	Otherwise	Otherwise

† This refers to all instance periods beyond the three that are shown.

HESHEALTHPROF1-2

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

Value	Description	Definition
DENTHE	Dental therapy	HESREGBODYX_P1 = 36
DENHYG	Dental hygiene	HESREGBODYX_P1 = 37
DIETET	Dietetics	HESREGBODYX_P1 = 44
NURSUN	Nursing - unclassified	HESREGBODYX_P1 = 06

Value	Description	Definition
NURSAD	Nursing - adult	HESREGBODYX_P1 = 61
NURSCH	Nursing - children	HESREGBODYX_P1 = 62
NURSLD	Nursing - learning disability	HESREGBODYX_P1 = 63
NURSMH	Nursing - mental health	HESREGBODYX_P1 = 64
MIDWIF	Midwifery	HESREGBODYX_P1 = 65
OCCTHE	Occupational therapy	HESREGBODYX_P1 = 46
OPDEPT	Operating department practice	HESREGBODYX_P1 = 47
ORTHOP	Orthoptics	HESREGBODYX_P1 = 48
ORTPRO	Orthotics and prosthetics	HESREGBODYX_P1 = 52
PHYSIO	Physiotherapy	HESREGBODYX_P1 = 50
PODCHI	Podiatry and chiropody	HESREGBODYX_P1 = 42
RADTHE	Radiography (therapeutic)	HESREGBODYX_P1 = 56
RADDIA	Radiography (diagnostic)	HESREGBODYX_P1 = 57
SPELAN	Speech and language therapy	HESREGBODYX_P1 = 55
BLANK	Otherwise	Otherwise

HESHEALTHPROP1

87. This field shows the proportion of the student's activity that is allocated to the health profession shown in HESHEALTHPROF1.

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

HESHEALTHPROP2

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

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

HESHEALTHYEAR

89. This field identifies whether the student started their course in 2016-17, 2017-18, 2018-19 or another academic year.

Value	Description	Definition
2016-17	Student started in the 2016-17 academic year	COMDATE > 31 July 2016 and COMDATE < 1 August 2017
2017-18	Student started in the 2017-18 academic year	COMDATE > 31 July 2017 and COMDATE < 1 August 2018
2018-19	Student started in the 2018-19 academic year	COMDATE > 31 July 2018
OTHER	Otherwise	Otherwise

HESMODE

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

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

HESLEVEL

91. This field allocates students to a level of study.

Value	Description	Definition
UG	Undergraduate	HESCOURSEAIM_P1 = M22, M26, M28, H00, H11, H12, H16, H18, H22, H23, H41, H42, H70, H71, H76, H79, H80, H90, I00, I11, I12, I16, I70, I74, I76, I78, I79, I80, I90, J10, J16, J20, J26, J30, J41, J42, J76, J80, J90, C20, C30, C41, C42, C77, C78, C80, C90
PGT_ML	Postgraduate taught course eligible for masters loans	(HESCOURSEAIM_P1 = M00, M01, M10, M11, M88 or (HESCOURSEAIM_P1 = M16 and HESHEALTHPROF1 = BLANK and HESHEALTHPROF2 = BLANK)) and (HESINITIATIVES1_P1 = U or HESINITIATIVES2_P1 = U)

Value	Description	Definition
PGT_UGF	Postgraduate taught and eligible under the undergraduate student support regime	(HESCOURSEAIM_P1 = E00, E43, E90, M00, M01, M02, M10, M11, M16, M40, M41, M42, M44, M50, M70, M71, M72, M73, M76, M78, M79, M80, M86, M90, H50, H60, H61, H62, H72, H78, H81, I60, I61, I72, I73, I81 and HESTTCID_P1 = 1, 2, Q) or (HESCOURSEAIM_P1 = M88 and HESINITIATIVES1_P1 ≠ U and HESINITIATIVES2_P1 ≠ U) or (HESCOURSEAIM_P1 = M16, M86, H62 and (HESHEALTHPROF1 ≠ BLANK or HESHEALTHPROF2 ≠ BLANK)) or HESCOURSEAIM_P1 = H88
PGT_OTH	Postgraduate taught course that does not fall under the previous two categories	HESCOURSEAIM_P1 = E00, E43, E90, M00, M01, M02, M10, M11, M16, M40, M41, M42, M44, M50, M70, M71, M72, M73, M76, M78, M79, M80, M86, M90, H50, H60, H61, H62, H72, H78, H81, I60, I61, I72, I73, I81 and not above
PGR	Postgraduate research	HESCOURSEAIM_P1 = D00, D90, L00, L80, L90, L99
OTHER	Otherwise	None of the above

HESELQ

92. This field indicates whether or not the student is counted as aiming for an ELQ according to OfS funding definitions.

Value	Description	Definition
0	Student is not aiming for an ELQ or is exempt	HESELQCOMP = 0 or HESDISALL = 1 or HESCOURSEAIM_P1 = J10, J16 or HESTTCID_P1 = 1, 2, 5, Q or (HESCOURSEAIM_P1 = H16, H62, I16, J26, M16, M26, M86 and (HESREGBODY1_P1 = 01, 06, 14, 30, 36, 37, 42, 44, 46, 47, 48, 49, 50, 52, 54, 55, 56, 57, 61, 62, 63, 64, 65 or HESREGBODY2_P1 = 01, 06, 14, 30, 36, 37, 42, 44, 46, 47, 48, 49, 50, 52, 54, 55, 56, 57, 61, 62, 63, 64, 65)) or (HESCOURSEAIM_P1 = H76, I76, J76 and (HESREGBODY1_P1 = 01, 06, 14, 30, 31, 33, 34, 35, 36, 37, 42, 44, 46, 47, 48, 49, 50, 52, 54, 55, 56, 57, 58, 60, 61, 62, 63, 64, 65 or HESREGBODY2_P1 = 01, 06, 14, 30, 31, 33, 34, 35, 36, 37, 42, 44, 46, 47, 48, 49, 50, 52, 54, 55, 56, 57, 58, 60, 61, 62, 63, 64, 65)) or (HESCOURSEAIM_P1 = H18, H78, H88, M28, M78, M88 and HESMODE = FTS) or HESCOURSEAIM_P1 [†] = D, L
1	Student is aiming for an ELQ and is not exempt	HESELQCOMP = 1 and not above

† The first character of HESCOURSEAIM_P1 is used.

HESTYPE

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

Value	Description	Definition
HOMENF	Home and EU non-fundable	HESEC = UK, OEU and (HESTTCID_P1 = 1, 5, Q or HESELQ = 1 or HESLEVEL = PGR or (HESCOURSEAIM_P1 = H16, H62, I16, J26, M16, M26, M86 and (((HESHEALTHPROF1 ≠ BLANK, DENTHE, DENHYG or HESHEALTHPROF2 ≠ BLANK, DENTHE, DENHYG) and ((HESLEVEL = UG and HESHEALTHYEAR = 2016-17, OTHER) or (HESLEVEL = PGT_UGF, PGT_ML, PGT_OTH and HESHEALTHYEAR = 2017-18, 2016-17, OTHER)))) or ((HESHEALTHPROF1 = DENTHE, DENHYG or HESHEALTHPROF2 = DENTHE, DENHYG) and HESHEALTHYEAR = 2017-18, 2016-17, OTHER))) or (HESMSTUFEE_P1 = 31 and GROSSFEE = 0) or (HESLEVEL = PGT_UGF, PGT_ML, PGT_OTH and HESMSTUFEE_P1 = 02, 03, 04, 06, 08, 09, 11, 12, 13, 14, 15, 17, 18, 19, 31, 32, 34, 35, 36, 37, 38, 39, 41, 42, 44, 49 and GROSSFEE = 0))
HOMEF	Home and EU OfS-fundable	HESEC = UK, OEU and not above
ISOV	Island and overseas	Otherwise

HESMDV

94. This field identifies undergraduate clinical and pre-clinical medical, dental and veterinary science students.

Value	Description	Definition
UMED	Undergraduate medic	HESLEVEL = UG and HESCOURSEAIM_P1 = H16, I16, M26 and (HESREGBODY1_P1 = 01 or HESREGBODY2_P1 = 01) and (HESSBJCA1_P1 = A100, A300 or HESSBJCA2_P1 = A100, A300 or HESSBJCA3_P1 = A100, A300)
UDEN	Undergraduate dentist	HESLEVEL = UG and HESCOURSEAIM_P1 = H16, I16, M26 and (HESREGBODY1_P1 = 30 or HESREGBODY2_P1 = 30) and (HESSBJCA1_P1 = A200, A400 or HESSBJCA2_P1 = A200, A400 or HESSBJCA3_P1 = A200, A400)

Value	Description	Definition
UVET	Undergraduate veterinary science	HESLEVEL = UG and HESCOURSEAIM_P1 = H16, I16, M26 and (HESREGBODY1_P1 = 14 or HESREGBODY2_P1 = 14) and (HESSBJCA1_P1* = D1, D2 or HESSBJCA2_P1* = D1, D2 or HESSBJCA3_P1* = D1, D2)
OTHER	Otherwise	Otherwise

* Only the first two characters of this field are used.

HESCRSELGTH

95. This field contains the expected length of the course in whole numbers of years. Expected course lengths that contain a fraction of a year that exceeds two weeks are rounded up to the next whole year. Otherwise the value is rounded down to the nearest whole year. For example, an expected length of course that is one year and three weeks will be rounded up to two years. An expected length of course that is one year and one week will be rounded down to one year.

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

HESCLIN

96. This field identifies clinical medical, dental and veterinary science students who are assigned to price group A.

Value	Description	Definition
1	Undergraduate clinical medical, dental or veterinary science student assigned to price group A	(HESMDV = UMED and (HESCRSELGTH – HESYEARPRG_P1) = 0, 1, 2) or (HESMDV = UDEN and (HESCRSELGTH – HESYEARPRG_P1) = 0, 1, 2, 3) or (HESMDV = UVET and (HESCRSELGTH – HESYEARPRG_P1) = 0, 1, 2, 3, 4)
2	Postgraduate clinical medical or dental student assigned to price group A	HESLEVEL = PGT_UGF, PGT_ML, PGT_OTH, PGR and (HESSBJCA1_P1 = A300, A400, C842, C845 or HESSBJCA2_P1 = A300, A400, C842, C845 or HESSBJCA3_P1 = A300, A400, C842, C845)
3	Postgraduate clinical veterinary science student assigned to price group A	HESLEVEL = PGT_UGF, PGT_ML, PGT_OTH, PGR and (HESSBJCA1_P1* = D2 or HESSBJCA2_P1* = D2 or HESSBJCA3_P1* = D2)
0	Otherwise	Otherwise

* Only the first two characters of this field are used.

HESPRGA

97. The proportion of activity in price group A.

Value	Definition
1	HESCLIN = 1, 2, 3
1	(HESCOURSEAIM_P1 = H16, H62, I16, J26, M16, M26, M86 and (HESHEALTHPROF1 = DENTHE, DENHYG or HESHEALTHPROF2 = DENTHE, DENHYG)) and not above and not row 1 of HESPRGC2

HESPRGC2

98. The proportion of activity in price group C2. JACS codes stated include all sub-levels, unless otherwise stated.

Value	Definition
1	HESMODE = SWOUT or HESTTCID_P1 = 1, 2, 5, Q and not row 1 of HESPRGA
1	HESREGBODY1_P1 = 54 or HESREGBODY2_P1 = 54 and not above and not rows 1 and 2 of HESPRGA and not row 1 of HESPRGB or HESPRGC1
Sum of HESBJPCNT1_P1, HESBJPCNT2_P1, HESBJPCNT3_P1, divided by 100	HESBJCAX_P1 = B160, B170, B3 (except B351, B353), B7, B8 (except B820, B830, B840), B910, B920, B930, B940, C6, C8 (except C834, C835, C865), D6 (except D61), F643, F752, F760, F764, F77, F78, F8, G, H166, I510, K (except K120), L51, L7, N234, Q2, Q4, Q9, R, T (except T690, T7, T8) and not above and not rows 1 and 2 of HESPRGA and not row 1 of HESPRGB or HESPRGC1

HESPRGB

99. The proportion of activity in price group B. JACS codes stated include all sub-levels, unless otherwise stated.

Value	Definition
1	HESCOURSEAIM_P1 = H16, H62, I16, J26, M16, M26, M86 and (HESHEALTHPROF1 = DIETET, MIDWIF, OCCTHE, OPDEPT, ORTHOP, ORTPRO, PHYSIO, PODCHI, RADTHE, RADDIA, SPELAN or HESHEALTHPROF2 = DIETET, MIDWIF, OCCTHE, OPDEPT, ORTHOP, ORTPRO, PHYSIO, PODCHI, RADTHE, RADDIA, SPELAN) and not rows 1 and 2 of HESPRGA and not row 1 of HESPRGC2

Value	Definition
Sum of HESSBJPCNT1_P1, HESSBJPCNT2_P1, HESSBJPCNT3_P1, divided by 100	HESBJCAX_P1 = A, B0, B1 (except B160, B170), B2, B4, B5, B6, B820, B830, B840, B900, B950, B960, B990, C0, C1, C2, C3, C4, C5, C7, C865, C9, D (except D440, D442, D444, D445, D446, D447, D600, D62, D63, D64, D69), F (except F643, F752, F760, F764, F77, F78, F8), H (except H166), J (except J310, J920) and not above and not rows 1 and 2 of HESPRGA or HESPRGC2 and not row 1 of HESPRGC1

HESPRGC1

100. The proportion of activity in price group C1. JACS codes stated include all sub-levels, unless otherwise stated.

Value	Definition
1	HESCOURSEAIM_P1 = H16, H62, I16, J26, M16, M26, M86 and (HESHEALTHPROF1 = NURSUN, NURSAD, NURSCH, NURSLD, NURSMH or HESHEALTHPROF2 = NURSUN, NURSAD, NURSCH, NURSLD, NURSMH) and not rows 1 and 2 of HESPRGA and not row 1 of HESPRGB or HESPRGC2
Sum of HESSBJPCNT1_P1, HESSBJPCNT2_P1, HESSBJPCNT3_P1, divided by 100	HESBJCAX_P1 = B351, B353, I (except I510), J310, J920, K120, P, V4, W (except W160, W330, W357, W376, W530, W63, W8) and not above and not rows 1 and 2 of HESPRGA or HESPRGC2 and not row 1 of HESPRGB

HESPRGD

101. The proportion of activity in price group D. JACS codes stated include all sub-levels, unless otherwise stated.

Value	Definition
Sum of HESSBJPCNT1_P1, HESSBJPCNT2_P1, HESSBJPCNT3_P1, divided by 100	HESBJCAX_P1 = C834, C835, D44 (except D441, D443, D448), L (except L51, L7), M, N (except N234), Q (except Q2, Q4, Q9), T690, T7, T8, V (except V4), W160, W330, W357, W376, W530, W63, W8, X, Y and not rows 1 and 2 of HESPRGA or HESPRGC2 and not row 1 of HESPRGB or HESPRGC1

HESRESSTAT

102. This field allocates students to the five categories of fundability and residential status.

Value	Description	Definition
HOMEF_UK	Fundable, UK-domiciled	HESTYPE = HOMEF and DOMICILE = XF, XG, XH, XI, XK

Value	Description	Definition
HOMEF_OTH	Fundable, other Home and EU	HESATYPE = HOMEF and not above
HOMENF_UK	Non-fundable, UK-domiciled	HESATYPE = HOMENF and DOMICILE = XF, XG, XH, XI, XK
HOMENF_OTH	Non-fundable, other Home and EU	HESATYPE = HOMENF and not above
ISOV	Island and overseas	HESATYPE = ISOV

HESBROADLEVEL

103. This field shows the broad level of study in 2018-19 for the purpose of defining new entrant status.

Value	Description	Definition
UG	Undergraduate	HESLEVEL = UG
PGT	Postgraduate taught	HESLEVEL = PGT_UGF, PGT_ML, PGT_OTH
PGR	Postgraduate research	HESLEVEL = PGR

HESUG17

104. This field indicates how many undergraduate taught years of instance for a higher education course recognised for OfS funding purposes were associated with the UKPRN and HUSID in the 2017-18 HESA Student record (HESLEVEL in 2017-18 = UG). This field will be blank if no HESA student data is available for the provider in 2017-18.

HESPGT17

105. This field indicates how many postgraduate taught years of instance for a higher education course recognised for OfS funding purposes were associated with the UKPRN and HUSID in the 2017-18 HESA Student record (HESLEVEL in 2017-18 = PGT_ML, PGT_OTH, PGT_UGF). This field will be blank if no HESA student data is available for the provider in 2017-18.

HESPGR17

106. This field indicates how many postgraduate research taught years of instance for a higher education course recognised for OfS funding purposes were associated with the UKPRN and HUSID in the 2017-18 HESA Student record (HESLEVEL in 2017-18 = PGR). This field will be blank if no HESA student data is available for the provider in 2017-18.

HESNEWENTRANT

107. This field indicates whether a student may be a new entrant.

Value	Description	Definition
1	Has not been active at the same broad level at the registering provider in the previous academic, linked by UKPRN and HUSID.	COMDATE > 31 July 2018 and ((HESBROADLEVEL = UG and HESUG17 = 0, BLANK) or (HESBROADLEVEL = PGT and HESPGT17 = 0, BLANK) or (HESBROADLEVEL = PGR and HESPGR17 = 0, BLANK))
0	Otherwise	Otherwise

HESHEALTHPOP

108. This field identifies students that will be included in the health population and is based on whether students started in 2016-17, 2017-18 or 2018-19, level of study, fundability and residential status, and the profession of the pre-registration course. The population is defined in HESES18 (Annex L, paragraph 2).

Value	Description	Definition
1	Included in health population	<p>HESEXCL = 0 and HESCOURSEAIM_P1 = H16, H62, I16, J26, M16, M26, M86 and</p> <p>((HESHEALTHYEAR = 2016-17 and HESLEVEL = UG and ((HESTYPE = HOMEF and (HESHEALTHPROF1 = OCCTHE, OPDEPT, ORTHOP, PHYSIO, RADDIA, RADTHE or HESHEALTHPROF2 = OCCTHE, OPDEPT, ORTHOP, PHYSIO, RADDIA, RADTHE)) or (HESTYPE = HOMENF and (HESHEALTHPROF1 ≠ DENHYG, DENTHE, BLANK or HESHEALTHPROF2 ≠ DENHYG, DENTHE, BLANK)))))) or</p> <p>(HESHEALTHYEAR = 2017-18 and ((HESLEVEL = UG and (HESTYPE = HOMEF, HOMENF and (HESHEALTHPROF1 ≠ BLANK or HESHEALTHPROF2 ≠ BLANK))) or (HESLEVEL = PGT_UGF, PGT_ML, PGT_OTH and ((HESTYPE = HOMEF and (HESHEALTHPROF1 = OCCTHE, OPDEPT, ORTHOP, PHYSIO, RADDIA, RADTHE or HESHEALTHPROF2 = OCCTHE, OPDEPT, ORTHOP, PHYSIO, RADDIA, RADTHE)) or (HESTYPE = HOMENF and (HESHEALTHPROF1 ≠ DENHYG, DENTHE, BLANK or HESHEALTHPROF2 ≠ DENHYG, DENTHE, BLANK)))))) or</p> <p>(HESHEALTHYEAR = 2018-19 and ((HESLEVEL = UG and (HESTYPE = HOMEF, HOMENF and (HESHEALTHPROF1 ≠ BLANK or HESHEALTHPROF2 ≠ BLANK))) or (HESLEVEL = PGT_UGF, PGT_ML, PGT_OTH and (HESTYPE = HOMEF, HOMENF and (HESHEALTHPROF1 ≠ DENHYG, DENTHE, BLANK or HESHEALTHPROF2 ≠ DENHYG, DENTHE, BLANK))))))</p>
0	Otherwise	Otherwise

HESSTULOAD

109. This field is the sum of all values in HESSTULOAD_PX, across all instance periods.

HESES population exclusions

110. The instance is assessed as to whether it is included in the HESES population.

HESEXCL1

111. Field indicating students who have no instance periods in the population.

Value	Description	Definition
1	No instance periods in the population	HESEXCL_P1 > 0
0	Otherwise	Otherwise

HESEXCL2

112. Field indicating students who are not active in the academic year.

Value	Description	Definition
1	Student not active in academic year	ENDDATE ≠ BLANK and ENDDATE < 1 August 2018
0	Otherwise	Otherwise

HESEXCL4

113. Field indicating students who withdrew before 2 December 2018 or left within 14 days of starting the instance.

Value	Description	Definition
1	Student who withdrew before 2 December 2018 or left within 14 days	ENDDATE ≠ BLANK and (ENDDATE < 2 December 2018 or ENDDATE – COMDATE < 14)
0	Otherwise	Otherwise

HESEXCL8

114. Field indicating students with a total STULOAD across all instance periods of less than 3.

Value	Description	Definition
1	Student with a total STULOAD of less than 3	HESSTULOAD < 3
0	Otherwise	Otherwise

HESEXCL16

115. Field indicating students who are on a non-standard year of instance in their final year of study.

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

HESEXCL

116. This field indicates whether the instance is included in the HESES18 population. For instances excluded from the HESES population, HESEXCL contains the sum of all applicable values from the table below.

Value	Description	Definition
1	No instance periods in the population	HESEXCL1 = 1
2	Student not active in academic year	HESEXCL2 = 1
4	Student who withdrew before 2 December 2018 or left within 14 days of starting the instance	HESEXCL4 = 1
8	Student with a total STULOAD of less than 3	HESEXCL8 = 1
16	Student on a non-standard year of instance in their final year of study	HESEXCL16 = 1
0	Otherwise	None of the above

117. This field contains the exclusion reason(s) for the instance. It is calculated as $(1 \times \text{HESEXCL1}) + (2 \times \text{HESEXCL2}) + (4 \times \text{HESEXCL4}) + \dots + (16 \times \text{HESEXCL16})$. The reason(s) which contribute to the exclusion of an instance can therefore be calculated. For example, if HESEXCL = 5, by subtracting figures from the above table and starting at the bottom, we see that the student withdrew before 2 December 2018 or left within 14 days of starting the instance (HESEXCL4 = 1) and there were no instance periods in the population (HESEXCL1 = 1).

HESOVER

118. This field indicates the primary derived field(s) that have been overridden for the student. For example, if HESOVER = 11, by subtracting figures from the following table starting at the bottom, we see that the student has had overrides for HESMODE (HESOVER = 8), HESREG (HESOVER = 2) and HESEXCL (HESOVER = 1) applied.

Value	Description
1	Override to HESEXCL
2	Override to HESREG
4	Override to HESTYPE
8	Override to HESMODE
16	Override to HESLEVEL
32	Override to HESPRGA, HESPRGB, HESPRGC1, HESPRGC2 or HESPRGD
64	Override to HESNEWENTRANT
128	Override to HESHEALTHPOP
0	Otherwise



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