

**Office for
Students**



2017-18 HESA Alternative Provider student post-collection outputs

HESES17 population technical document

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Publication date 9 May 2019

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Summary

Introduction

1. This document describes the HESES17 population output supplied as part of the 2017-18 Higher Education Statistics Agency (HESA) Alternative Provider (AP) student post-collection outputs, and the algorithms used to derive the HESES17 population from 2017-18 HESA AP student data. Throughout the document, fields taken or derived from the HESA AP student record are shown in capitals.
2. The HESES17 population output should be used by staff responsible for individualised data returns at higher education providers and this document is intended to help them understand in detail how the data has been used to derive the HESES17 population.
3. The HESES17 population output is the individualised file 'HES17_XXXXXXXXX_IND.csv', where XXXXXXXXX is the UKPRN of the provider.
4. This file can be accessed from the '2017-18 Post-collection outputs' area of the Office for Students (OfS) portal. Access details will be sent to the appropriate contacts at providers.
5. This document is aimed at readers with in-depth knowledge of the data. Readers are advised to refer to the Coding Manual for the 2017-18 HESA AP student record (<https://www.hesa.ac.uk/collection/c17054>) and 'HESES17: Higher Education Students Early Statistics Survey 2017-18' ([HEFCE 2017/17](#)) when using this document.

Changes from the initial output used to populate the HESES18 comparison tables

6. This section describes any changes to the algorithms since the publication of the technical document for the initial output, which was used to populate the HESES18 comparison tables. The technical document was included in a package containing an individualised file which was made available to download from the '2017-18 Post-collection outputs' area of the OfS portal during the HESES18 verification period. Any additions are shown as **bold and underlined**.

HESELQAIM

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

HESELQENT

8. 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.

HESELQCOMP

9. This field indicates whether or not the student is aiming for an ELQ. It replaces HESHIGHQUAL.

HESELQ

10. This field indicates whether or not the student is counted as aiming for an ELQ according to OfS funding definitions.
11. Two additional clauses have been added to the (HESELQ = 1) algorithm to account for the exemption of:
- Students on a course of initial or in-service teacher training (in any mode or level of study). In-service teacher training courses are defined as courses whose primary (but not necessarily only) purpose is to improve the effectiveness of teachers, lecturers or trainers.
 - Students aiming for a postgraduate research qualification.

Value	Description	Definition
1	Student is aiming for an ELQ (and is not exempt)	HESHIGHQUAL = 0 and HESELQCOMP = 1 and HESDISALL = 0 and HESCOURSEAIM_P1 ≠ J10, J16 and HESTTCID_P1 ≠ 1, 2, 5, Q and HESCOURSEAIM_P1† ≠ D, L
0	Otherwise	Otherwise

HESLEVEL

12. Several HESCOURSEAIM_P1 codes that were previously used to identify undergraduates are now used to identify students who are recorded as postgraduate taught in HESSES17. Although these codes are for courses that award Level 6 qualifications, students assigned such codes should be recorded as postgraduate taught because a degree-level qualification is a normal condition of entry.

Value	Description	Definition
UG	Undergraduate	HESCOURSEAIM_P1 = M22, M26, M28, H00, H11, H12, H16, H18, H22, H23, H50, H41, H42, H60, H61, H62, H70, H71, H72, H76, H78, H79, H80, H84, H88, H90, I00, I11, I12, I16, I60, I61, I70, I72, I73, I74, I76, I78, I79, I80, I84, I90, J10, J16, J20, J26, J30, J41, J42, J76, J80, J90, C20, C30, C41, C42, C77, C78, C80, C90
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, H88
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, M90, H50, H60, H61, H62, H72, H78, H81, I60, I61, I72, I73, I81 and (HESINITIATIVES1_P1 = U or HESINITIATIVES2_P1 = U) and not above

Value	Description	Definition
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

HESTYPE

13. Changes have been made to three clauses of the (HESTYPE = HOMENF) algorithm:

- Students on initial teacher training (ITT) courses leading to Early Years Teacher Status (HESTTCID_P1 = Q) are now identified as non-fundable.
- Postgraduate research students are now identified by (HESLEVEL = PGR) instead of by using HESCOURSEAIM_P1 codes.
- The clause that identifies students on pre-registration nursing, midwifery and allied health courses that are not affected by the transfer of funding responsibility for 2017-18 from the Department of Health and Social Care to HEFCE has been modified to account for all combinations of HESLEVEL, HESHEALTHYEAR, HESHEALTHPROF1 and HESHEALTHPROF2.

Value	Definition
HOMENF	<p>HESEC = UK, OEU and (HESTTCID_P1 = 1, 5, Q or HESELQ = 1 or HESCOURSEAIM_P1 = D00, D01, D90, L00, L80, L90, L91, L99 or HESLEVEL = PGR or (HESCOURSEAIM_P1 = H16, H62, I16, J26, M16, M26, M86 and ((HESLEVEL = UG and HESHEALTHPROFX ≠ DENTHE, DENHYG and HESHEALTHYEAR = 2016-17) or (HESHEALTHYEAR = 2017-18 and (HESLEVEL = PGT or HESHEALTHPROFX = DENTHE, DENHYG)))) or (((HESLEVEL = UG and HESHEALTHYEAR = 2016-17, OTHER) or HESLEVEL ≠ UG) and (HESHEALTHPROF1 ≠ BLANK, DENTHE, DENHYG or HESHEALTHPROF2 ≠ BLANK, DENTHE, DENHYG)) or (HESHEALTHPROF1 = DENTHE, DENHYG or HESHEALTHPROF2 = DENTHE, DENHYG))) 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))</p>
HOMEF	HESEC = UK, OEU and not above
ISOV	Otherwise

'HESES17 population' individualised file

14. You should use the individualised file ('HES17_XXXXXXXX_IND.csv') when working through this document. This shows the assignment of records to categories by our algorithms and, where relevant, provides the data that has been used to determine their exclusion from the relevant population.

15. 2017-18 HESA AP student fields used to generate the data in the output are listed in Table 1.

Table 1: 2017-18 HESA AP student fields used in the 'HESES17 population' 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	SPLENGTH	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
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

16. 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.
17. 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.
18. 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

19. Fields derived from HESA AP student data are listed in Table 2.

Table 2: 'HESES17 population' derived fields

Derived field name	Description	Paragraph	Column in individualised file
HESANNIV	Anniversary of start date in academic year	52	F
HESCLIN	Price group A clinical medical, dentistry and veterinary science students	69	G
HESCOURSEAIM_PX	General qualification aim of course	24	AX, BZ, DB
HESCOURSEID_PX	Course identifier	23	AW, BY, DA
HESCRSELGTH	Expected length of the course in years	68	H
HESDISALL	Disabled Students' Allowance	58	I
HESDISALL_PX	Disabled Students' Allowance	25	AY, CA, DC
HESEC	Indicates whether student has a UK, other Home and EU, or other domicile	54	J
HESELQ	Indicates whether student is counted as aiming for an ELQ	59	K
HESELQCOMP	Indicates whether student is aiming for an ELQ	57	L
HESELQQAIM	Assigns broad qualification aim for determining whether student is aiming for an ELQ	55	M
HESELQQENT	Assigns broad qualification on entry group for determining whether student is aiming for an ELQ	56	N
HESEXCHIND_PX	Exchange programmes	26	AZ, CB, DD
HESEXCL	Reason(s) for exclusion from the HESES population	85	O
HESEXCL_PX	Reason(s) for exclusion of instance period	49	BA, CC, DE
HESEXCL1-16	HESES population exclusions	80 - 84	P-T
HESEXCL1-16_PX	Instance period exclusions	44 - 48	BB-BF, CD-CH, DF-DJ
HESHEALTHPOP	Identifies whether student is included in health population	77	U
HESHEALTHPROF1-2	Identifies which nursing, midwifery or allied health professions the student is recorded against	61	V-W

Derived field name	Description	Paragraph	Column in individualised file
HESHEALTHPROP1-2	Proportion of student's activity allocated to each health profession	62 - 63	X-Y
HESHEALTHYEAR	Indicates whether student started course in 2016-17, 2017-18 or another academic year	64	Z
HESINITIATIVES1-2_PX	Initiatives	27 - 28	BG-BH, CI-CJ, DK-DL
HESLEVEL	Level of study	60	AA
HESLOCSDY_PX	Location of study	29	BI, CK, DM
HESMDV	Undergraduate clinical and pre-clinical medical, dentistry and veterinary science students	67	AB
HESMODE	Mode of study	66	AC
HESMODE_PX	Mode of study	30	BJ, CL, DN
HESMSTUFEE_PX	Major source of tuition fees	31	BK, CM, DO
HESNEWENTRANT	Identifies whether student is a new entrant	76	AD
HESOVER	Primary derived field(s) being overridden	87	N/A
HESPERIODEND_PX	Instance period end date	22	AV, BX, CZ
HESPERIODSTART_PX	Instance period start date	21	AU, BW, CY
HESPRGA, HESPRGB, HESPRGC1, HESPRGC2, HESPRGD	Proportion of countable year in each price group	70, 71, 72, 73, 74	AE-AI
HESREG	HESES Column 1 or 2 indicator	53	AJ
HESREGBODY1-2_PX	Regulatory body for health and social care students	32 - 33	BL-BM, CN-CO, DP-DQ
HESRESSTAT	Fundability and residential status	75	AK
HESBJCA1-3_PX	Subject of course	34 - 36	BN-BP, CP-CR, DR-DT
HESBJPCNT1-3_PX	Proportion of time allocated for each subject	37 - 39	BQ-BS, CS-CU, DU-DW
HESSTULOAD	Sum of FTE across all instance periods	78	AL
HESSTULOAD_PX	Student instance FTE	40	BT, CV, DX
HESTTCID_PX	Teacher training course	41	BU, CW, DY
HESATYPE	Fundability status	65	AM
HESYEARPRG_PX	Year of course	42	BV, CX, DZ

Instance period derived fields

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

HESPERIODSTART_PX

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

HESPERIODEND_PX

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

HESCOURSEID_PX

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

HESCOURSEAIM_PX

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

HESDISALL_PX

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

HESEXCHIND_PX

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

HESINITIATIVES1_PX

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

HESINITIATIVES2_PX

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

HESLOCSDY_PX

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

HESMODE_PX

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

HESMSTUFEE_PX

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

HESREGBODY1_PX

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

HESREGBODY2_PX

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

HESBJCA1_PX

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

HESBJCA2_PX

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

HESBJCA3_PX

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

HESBJPCNT1_PX

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

HESBJPCNT2_PX

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

HESBJPCNT3_PX

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

HESSTULOAD_PX

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

HESTTCID_PX

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

HESYEARPRG_PX

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

Instance period exclusions

43. 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

44. 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

45. 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

46. 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

47. 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

48. 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

49. This field indicates whether the instance period is included in the HESES17 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

Value	Description	Definition
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

50. 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 $\text{HESEXCL_PX} = 10$, 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 ($\text{HESEXCL8_PX} = 1$) and that there is no qualification aim associated with the instance period ($\text{HESEXCL2_PX} = 1$).

Instance derived fields

51. 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

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

HESREG

53. This field assigns students to Column 1 or 2 of the HESES17 population.

Value	Description	Definition
1	Column 1 student	HESANNIV < 2 December 2017
2	Column 2 student	Otherwise

HESEC

54. 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

55. 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_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.

HESELQQENT

56. 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

Value	Description	Definition
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

57. 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_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 = 15 or HESREGBODY2_P1 = 15) and QUALENT3 = M2X)

HESDISALL

58. This field indicates whether or not the student is receiving disabled students' allowance.

Value	Description	Definition
1	Student is receiving disabled students' allowance	HESDISALL_PX† = 4
0	Otherwise	Otherwise

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

HESELQ

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

Value	Description	Definition
1	Student is aiming for an ELQ (and is not exempt)	HESELQCOMP = 1 and HESDISALL = 0 and HESCOURSEAIM_P1 ≠ J10, J16 and HESTTCID_P1 ≠ 1, 2, 5, Q and HESCOURSEAIM_P1† ≠ D, L
0	Otherwise	Otherwise

† The first character of HESCOURSEAIM_P1 is used.

HESLEVEL

60. 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_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, H88
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, M90, H50, H60, H61, H62, H72, H78, H81, I60, I61, I72, I73, I81 and (HESINITIATIVES1_P1 = U or HESINITIATIVES2_P1 = U) and not above
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

Value	Description	Definition
OTHER	Otherwise	None of the above

HESHEALTHPROF1-2

61. 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
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

62. 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

63. This field shows the proportion of the student's activity that is allocated to the health profession shown in HESHEALTHPROP2.

Value	Definition
1	(HESHEALTHPROP1 = BLANK and HESHEALTHPROP2 ≠ BLANK) or HESHEALTHPROP2 = DENTHE
0.5	HESHEALTHPROP1 ≠ BLANK, DENTHE and HESHEALTHPROP2 ≠ BLANK and not above
0	Otherwise

HESHEALTHYEAR

64. This field identifies whether the student started their course in 2016-17, 2017-18 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
OTHER	Otherwise	Otherwise

HESTYPE

65. 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 (((HESLEVEL = UG and HESHEALTHYEAR = 2016-17, OTHER) or HESLEVEL ≠ UG) and (HESHEALTHPROP1 ≠ BLANK, DENTHE, DENHYG or HESHEALTHPROP2 ≠ BLANK, DENTHE, DENHYG)) or (HESHEALTHPROP1 = DENTHE, DENHYG or HESHEALTHPROP2 = DENTHE, DENHYG))) 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

HESMODE

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

Value	Description	Definition
FTS	Full-time	HESMODE_P1 = 01
SWOUT	Sandwich year out	HESMODE_P1 = 23, 24
PT	Part-time	Otherwise

HESMDV

67. This field identifies undergraduate clinical and pre-clinical medical, dentistry and veterinary science students.

Value	Description	Definition
UMED	Undergraduate medic	HESLEVEL = UG and HESCOURSEAIM_P1 = H16, I16, M16, 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, M16, 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, M16, 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)
OTHER	Otherwise	Otherwise

HESCRSELGTH

68. 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
SPLNGTH	UNITLGTH = 1
SPLNGTH / 12	UNITLGTH = 2
SPLNGTH / 52	UNITLGTH = 3
6	UNITLGTH = 9
1	Otherwise

HESCLIN

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

Value	Description	Definition
1	Undergraduate clinical, dentistry 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 or dentistry student assigned to price group A	HESLEVEL = PGT_UGF, PGT_ML, PGT_OTH and (HESSBJCA1_P1 = A300, A400, C842, C845 or HESSBJCA2_P1 = A300, A400, C842, C845 or HESSBJCA3_P1 = A300, A400, C842, C845)
3	Postgraduate veterinary science student	HESLEVEL = PGT_UG, PGT_ML, PGT_OTH and (HESSBJCA1_P1* = D2 or HESSBJCA2_P1* = D2 or HESSBJCA3_P1* = D2)
0	Otherwise	Otherwise

HESPRGA

70. The proportion of activity in price group A.

Value	Definition
1	HESCLIN = 1, 2

HESPRGB

71. 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 row 1 of HESPRGA, HESPRGC1 or HESPRGC2
Sum of HESSBJPCNT1_P1, HESSBJPCNT2_P1, HESSBJPCNT3_P1, divided by 100	HESSBJCAX_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 row 1 of HESPRGA, HESPRGC1 or HESPRGC2

HESPRGC1

72. 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 HESPRGA = 0 and not row 1 of HESPRGA, HESPRGB or HESPRGC2
Sum of HESSBJPCNT1_P1, HESSBJPCNT2_P1, HESSBJPCNT3_P1, divided by 100	HESSBJCAX_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 row 1 of HESPRGA, HESPRGB or HESPRGC2

HESPRGC2

73. 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 or HESREGBODY1_P1 = 09, 10, 11, 54 or HESREGBODY2_P1 = 09, 10, 11, 54) and not row 1 of HESPRGA, HESPRGB or HESPRGC1
Sum of HESSBJPCNT1_P1, HESSBJPCNT2_P1, HESSBJPCNT3_P1, divided by 100	HESSBJCAX_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 row 1 of HESPRGA, HESPRGB or HESPRGC1

HESPRGD

74. 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	HESSBJCAX_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 row 1 of HESPRGA, HESPRGB, HESPRGC1 or HESPRGC2

HESRESSTAT

75. 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
HOMEF_OTH	Fundable, other Home and EU	HESTYPE = HOMEF and not above
HOMENF_UK	Non-fundable, UK-domiciled	HESTYPE = HOMENF and DOMICILE = XF, XG, XH, XI, XK
HOMENF_OTH	Non-fundable, other Home and EU	HESTYPE = HOMENF and not above
ISOV	Island and overseas	HESTYPE = ISOV

HESNEWENTRANT

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

Value	Description	Definition
1	Study commenced in current academic year	COMDATE > 31 July 2017
0	Otherwise	Otherwise

HESHEALTHPOP

77. This field identifies students that will be included in the health population and is based on whether students started in 2016-17 or 2017-18, level of study, fundability and residential status, and the profession of the pre-registration course. The population is defined in HES17 (Annex F, paragraph 14).

Value	Description	Definition
1	Included in health population	<p>HESEXCL = 0 and (HESCOURSEAIM_P1 = H16, H62, I16, J26, M16, M26, M86) and ((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 and HESHEALTHPROF2 ≠ DENHYG, DENTHE, BLANK)))) or (HESHEALTHYEAR = 2017-18 and ((HESLEVEL = UG and ((HESTYPE = HOMEF and (HESHEALTHPROF1 ≠ BLANK or HESHEALTHPROF2 ≠ BLANK)) or (HESTYPE = HOMENF and (HESHEALTHPROF1 = DENHYG, DENTHE or HESHEALTHPROF2 = DENHYG, DENTHE)))) or (HESLEVEL = 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 and HESHEALTHPROF2 ≠ DENHYG, DENTHE, BLANK))))))</p>
0	Otherwise	Otherwise

HESSTULOAD

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

HESES population exclusions

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

HESEXCL1

80. 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

81. 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 2017
0	Otherwise	Otherwise

HESEXCL4

82. Field indicating students who withdrew before 2 December 2017 or left within 14 days of starting.

Value	Description	Definition
1	Student who withdrew before 2 December 2017 or left within 14 days	ENDDATE ≠ BLANK and (ENDDATE < 2 December 2017 or ENDDATE – HESANNIV < 14)
0	Otherwise	Otherwise

HESEXCL8

83. 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

84. 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

85. This field indicates whether the instance is included in the HESES17 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 2017 or left within 14 days	HESEXCL4 = 1
8	Student with a total STULOAD of less than 3	HESEXCL8 = 1

Value	Description	Definition
16	Student on a non-standard year of instance in their final year of study	HESEXCL16 = 1
0	Otherwise	None of the above

86. 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 $\text{HESEXCL} = 5$, by subtracting figures from the above table and starting at the bottom, we see that the student who withdrew before 2 December 2017 or left within 14 days ($\text{HESEXCL4} = 1$) and there were no instance periods in the population ($\text{HESEXCL1} = 1$).

HESOVER

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