Technical algorithms for institutional performance measures

March 2022 core algorithms for access and participation data resources

Contents

Introduction

Purpose

1. This document provides a technical description of the categorisations applied to individualised student data records and used by the Office for Students (OfS) in March 2022 to generate the indicators that currently underpin the OfS functions related to the regulation of access and participation. It supplements and should be read alongside the following documents:

    - 'Technical algorithms for institutional performance measures: Methodology and rebuild instructions for March 2022 access and participation data resources'[1]

    - 'Access and participation data dashboard: Dashboard user guide'[2]

    - 'Access and participation data resources: Supporting data user guide'[3]

2. Individualised student data files were shared with higher education providers via the OfS portal in March 2022 to support publication of the access and participation data dashboard. In combination with the individualised files, the algorithms described in this document allow providers to determine exactly which students have contributed to the indicators (and which have not), as well as the nature of that contribution. They detail the categorisations that we apply to each student in order to report on various characteristics of students, higher education provision and student outcomes.

3. The OfS has recently consulted on a proposed future approach to our regulation of quality and standards, the future of the Teaching Excellence Framework and how we construct the data underpinning these regulatory functions.[4] Our consultation on the construction of student outcome and experience indicators for use in OfS regulation sets out our intention that the proposals would also apply to the data supporting our regulation of access and participation.[5] Once outcomes of the consultations are finalised later in 2022, we intend to publish information about changes to the definitions of data and indicators used in our regulation of access and participation.

4. Prior to finalisation of the consultation outcomes, the access and participation data resources and interactive dashboards that we have published in March 2022 have been constructed on the same basis as those published in March 2021. The algorithms described in this document

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[1] See www.officeforstudents.org.uk/data-and-analysis/institutional-performance-measures/technical-documentation/.

[2] See www.officeforstudents.org.uk/data-and-analysis/access-and-participation-data-dashboard/dashboard-user-guide/.

[3] Available at www.officeforstudents.org.uk/data-and-analysis/access-and-participation-data-dashboard/about-the-dashboard-data/get-the-dashboard-data/.

[4] See www.officeforstudents.org.uk/publications/student-outcomes-and-teaching-excellence-consultations/.

[5] See Proposals 1 and 2 of the consultation at www.officeforstudents.org.uk/publications/student-outcomes-and-teaching-excellence-consultations/outcome-and-experience-data/.

remain largely consistent with the '2021 core algorithms'[6] published previously. Any changes to these algorithms compared with their predecessors are described more comprehensively in Annex A.

Guidance for using this document

5. The algorithms described in this document are applied to the 2010–11 to 2020–21 individualised student records collected annually by the Higher Education Statistics Agency (HESA) or the Education and Skills Funding Agency (ESFA). This document is aimed at readers with in-depth knowledge of the HESA student, HESA student alternative or Individualised Learner Record (ILR) student data.

6. When using this document, readers are advised to have copies of the following to hand, for whichever source is relevant to your provider:

   • 'HESA Student Record Coding Manual 2020–21' and prior years

   • 'HESA Student Alternative Record Coding Manual 2020–21' and prior years

   • 'Specification of the Individualised Learner Record for 2020 to 2021' and prior years.

7. Individualised student data files were shared with providers alongside the March 2022 access and participation data resources to support providers' understanding of our approach to calculating institutional performance measures. These files contain data relating to a provider's own students and shows how they have been categorised according to the algorithms defined in this document.

8. Not all of the fields described in this document are included in the individualised files. This is primarily for data protection reasons. Fields that are not included in the individualised files in any year are listed in full in Annex B.

9. This document is structured to describe algorithms thematically, according to characteristics of student or provision, and by type of indicator. Readers can navigate through this document using the links provided on the contents page.

10. This document provides a comprehensive technical specification for creating the indicators used within the March 2022 access and participation data resources. Often, many fields are needed as building blocks in order to create the key fields used directly in creating the indicators. Please see the table below to navigate to these key fields.

Key field
IPINDMODE
IPLEVEL
IPAWARDLEVEL
IPSTARTAGE

Key field
IPSTARTAGEBAND
IPSEX
IPDISABLETYPE
IPDISABLE
IPETHNIC
IPDOM
IPPOLAR4
IPIMD
IPIMDHISTORIC
IPFSMPOP
IPFSMSTATE
DFAPAPPEXCL
IPACCEXCL
IPCONEXCL
IPCONINDFULL
IPUGBASEQUALPOP
IPDOQUALPOP
IPDODEGCLASS
IPEMPMODE
IPAPPRENTICE
IPEMPEXCL
IPEMPINDPOP
IPHSEMPHLSTUDY
IPEMPRESPONSE

Enquiries and feedback

11. For enquiries regarding the definitions and methods described in this document should be raised with providermetrics@officeforstudents.org.uk, 0117 931 7230.

Fields used to describe the data structure

IPSOURCE

12. This field indicates whether the record is taken from the HESA Student record, HESA Student Alternative record or ILR.

13. Where an algorithm cannot be applied in the same way to each IPSOURCE, this will be indicated in the description of each algorithm.

Value	Definition
HESASTU	Record is taken from the HESA Student record
HESASAR	Record is taken from the HESA Student Alternative record
ILR	Record is taken from the ILR

IPBASEYEAR

14. This field indicates the academic year that the record relates to. For example, IPBASEYEAR = 2017 means the record has been taken from HESA Student, HESA Student Alternative or ILR data from the academic year 2017–18.

IPBASEID

15. This field is an identifier for a student's study in the base year.

IPSOURCE = HESASTU or HESASAR

16. For HESA Student and HESA Student Alternative data, this is defined as the concatenation of IPBASEYEAR, UKPRN, HUSID and NUMHUS, separated by |, for example 2020|99999999|000123456789|ABCDEF12345.

IPSOURCE = ILR

17. For ILR data, this is defined as the concatenation of IPBASEYEAR, UKPRN, LEARNREFNUMBER and AIMSEQNUMBER. Where IPBASEYEAR is 2009 or before, UPIN is used instead of UKPRN and has been prefixed with an 'L'. The values for each field are separated by |, for example 2020|99999999|LEARN1234567|001.

IPRECID

18. This field indicates the record identifier of the row in an individualised file. It is unique across all files relating to a given year of the individualised files.

Fields used to describe the nature of the study undertaken

IPUKPRNRC

19. This field shows the UKPRN of the provider where the student is registered in the academic year. The IPUKPRNRC value will take into account whether a provider was involved in a merger before 7 December 2021.

IPUKPRNTC

20. This field shows the UKPRN of the provider where the student is taught for the majority of this academic year. It is calculated using the method described in paragraphs 21 to 26. The value of IPUKPRNTC will take into account whether a provider was involved in a merger before 7 December 2021.

IPSOURCE = HESASTU

21. To set IPUKPRNTC for the HESA Student record we consider the teaching provider of each module where MODSTAT ≠ 4. For each combination of study and teaching provider we calculate:

    a. FTE taught at the registering provider (REGFTE) = sum of FTE × ((1 - PCOLAB)/100).

    b. FTE taught elsewhere (FRANFTE) = sum of FTE × (PCOLAB/100).

If REGFTE is greater than or equal to the largest value of FRANFTE then IPUKPRNTC = UKPRN. Otherwise, IPUKPRNTC = TINST associated with the largest value of FRANFTE. Where the FTE taught elsewhere is equally split between two or more providers, then IPUKPRNTC is set to Unknown.

IPSOURCE = HESASAR

22. For the HESA Student Alternative record, this is set as IPUKPRNRC for 2017-18 and before (IPBASEYEAR ≤ 2017).

23. For 2018-19 onwards (IPBASEYEAR ≥ 2018), PRIPROV is used to determine the provider at which the student receives the majority of their teaching for the year. For the registering provider and each teaching provider returned in the PRIPROV field, we calculate the total FTE for that provider across the different instance periods in that academic year using STULOAD.

24. Where a student has more FTE at either a registering or teaching provider than any other provider, the value of IPUKPRNTC is set to the provider's UKPRN or the value of PRIPROV respectively. If there is a tie between a registering and teaching provider, the registering provider is chosen. If there is a tie between two teaching providers, IPUKPRNTC is set to Unknown.

IPSOURCE = ILR

25. For records taken from the ILR, IPUKPRNTC is set as follows:

Value	Description	Definition
Value of PARTNERUKPRN	UKPRN of the teaching provider where the student spent the majority of the year studying, for a teaching provider that differs from the registering provider	PCOLAB > 50 and PARTNERUKPRN not in (0, *BLANK*)
Value of IPUKPRNRC	UKPRN of the registering provider, where the student spent the majority of the year studying	Otherwise

Note: For records taken from the 2010–11 ILR, QA_PRVPT (A22) is used instead of PARTNERUKPRN, and HQ_PCOLB (H32) is used instead of PCOLAB.

26. Where the FTE taught elsewhere is equally split between two or more providers, then IPUKPRNTC is set to Unknown.

IPCOUNTRY

27. This field indicates whether the registering provider is based in England, Wales, Scotland or Northern Ireland.

Value	Description	Definition
E	Registering provider based in England	IPUKPRNRC indicates a provider based in England
W	Registering provider based in Wales	IPUKPRNRC indicates a provider based in Wales
S	Registering provider based in Scotland	IPUKPRNRC indicates a provider based in Scotland
N	Registering provider based in Northern Ireland	IPUKPRNRC indicates a provider based in Northern Ireland
UNKNOWN	The country of the registering provider is unknown	Otherwise

IPCOMDATE

IPSOURCE = HESASTU or HESASAR

28. This field shows the start date of the student's study. IPCOMDATE is equal to COMDATE.

IPSOURCE = ILR

29. This field shows the learning start date. IPCOMDATE is equal to LEARNSTARTDATE. For records taken from the 2010–11 ILR, QA_ST_DA (A27) is used instead of LEARNSTARTDATE.

IPYEAR_ST

30. This field shows the academic year the student entered on to the course taken from IPCOMDATE. If the month of IPCOMDATE is between January and July, then IPYEAR_ST is the year prior to the calendar year of entry.

IPANNIV

31. This field contains the anniversary of the start date (IPCOMDATE) during the current academic year.

IPPLANENDDATE

IPSOURCE = HESASTU or HESASAR

32. This field is not calculated.

IPSOURCE = ILR

33. This field shows the learning planned end date. IPPLANENDDATE is equal to LEARNPLANENDDATE. For records taken from the 2010–11 ILR, QA_EXP_E (A28) is used instead of LEARNPLANENDDATE.

IPACTENDDATE

IPSOURCE = HESASTU or HESASAR

34. This field shows the end date of the student's study. IPACTENDDATE is equal to ENDDATE.

IPSOURCE = ILR

35. This field shows the learning actual end date. IPACTENDDATE is equal to LEARNACTENDDATE. For records taken from the 2010–11 ILR, QA_EN_DA (A31) is used instead of LEARNACTENDDATE.

IPDENT

36. This field indicates whether a student has at least one instance of a 'Dentistry', 'Pre-clinical dentistry' or 'Clinical dentistry' programme of study.

IPSOURCE = HESASTU or HESASAR

Value	Description	Definition
1	The student has at least one instance of a 'Dentistry', 'Pre-clinical dentistry' or 'Clinical dentistry' programme of study	(IPBASEYEAR ≤ 2018 and XJACS01 in (A200, A400)) or (IPBASEYEAR ≥ 2019 and XHECOS in (100266, 100268, 100275))
0	The student does not have an instance of a 'Dentistry', 'Pre-clinical dentistry' or 'Clinical dentistry' programme of study	Otherwise

IPSOURCE = ILR

37. This field is not calculated.

IPOFSQAIM

38. This field allocates course aims (for HESA records) and learning aims (for ILR records) to categories of higher education.

IPSOURCE = HESASTU or HESASAR

Value	Description	Definition
PHD	PhD and MPhil	COURSEAIM in (D00, D01, L00)
OTHL7_Q_R	Other Level 7 research-based qualification	COURSEAIM in (L80, L99)
MASTER	Masters'	COURSEAIM in (M00, M01, M02, M10, M11, M16, M50)
PGCE	PGCE and other postgraduate initial teacher training (ITT)	COURSEAIM in (H71, M71)
DTLLS_PG	Postgraduate diploma in teaching in the lifelong learning sector	COURSEAIM = M79
PGCERT	Postgraduate certificate	COURSEAIM = M44
PGDIP	Postgraduate diploma	COURSEAIM = M41
PROCONGRAD	Professional, conversion and other graduate entry programmes	COURSEAIM in (H50, H60, H61, H62, H72, H78, H81, H88, I71, I72, I73, I81, I60, I61)
PGUNSPEC	Unspecified postgraduate courses	COURSEAIM = M99
ENHANCED	Enhanced first degree (or integrated masters)	COURSEAIM in (H22, M22, M26, M28)
MEDVETDENT	Pre-registration first degree with honours leading towards obtaining eligibility to register to practise with the General Medical Council, General Dentistry Council (as a dentist) or the Royal College of Veterinary Surgeons	COURSEAIM in (I16, H16) and (REGBODY in (01, 14, 30) or REGBODY1 in (01, 14, 30) or REGBODY2 in (01, 14, 30) or (IPDENT = 1 and (REGBODY = 02 or REGBODY1 = 02 or REGBODY2 = 02)))
FIRST	First degree	COURSEAIM in (H00, H11, H12, H18, H23, H24, I00, I11, I12) or (COURSEAIM in (I16, H16 and not above)
CTLLS	Certificate in teaching in the lifelong learning sector	COURSEAIM = C78
DET	Diploma in Education and Training	COURSEAIM = I78

Value	Description	Definition
DIPHE	Diploma of Higher Education (DipHE)	COURSEAIM in (J20, J26)
DTLLS	Diploma in teaching in the lifelong learning sector	COURSEAIM in (H79, I79)
FOUDEG	Foundation degree	COURSEAIM in (J10, J16)
HIGHCERT	Higher certificate	COURSEAIM = C20
HNC	Higher national certificate	COURSEAIM = C30
HND	Higher national diploma	COURSEAIM = J30
PTLLS	Preparing to teach in the lifelong learning sector	COURSEAIM = C77
OTHL[X]_Q	Other Level X qualification, where X is the level indicated by IPLEVELNUM	COURSEAIM in (C13, C41, C42, C43, C80, I70, I74, I76, I80, J13, J41, J42, J43, J45, J76, J80, H13, H41, H42, H43, H70, H76, H80, M13, M40, M42, M43, M45, M70, M72, M73, M76, M78, M80, M86, M88, E00, E13, E40, E43)
OTHL[X]_U	Other Level X unit, where X is the level indicated by IPLEVELNUM	COURSEAIM in (C90, I90, I91, J90, H90, H91, L90, L91, M90, M91, D90, E90)
UGUNSPEC	Unspecified undergraduate courses	COURSEAIM in (C99, H99, I99, J99)
FE	Further education course	COURSEAIM in (Pxx, Qxx, Rxx, Sxx, Xxx) where xx is any valid numeric code
NA	Course aim does not apply	COURSEAIM = Z99

Note: NA will only apply for 2018–19 and before (IPBASEYEAR less than or equal to 2018). Z99 has been removed as a valid COURSEAIM for 2019–20 onwards.

IPSOURCE = ILR

Value	Description	Definition
PHD	PhD and MPhil	LEARNAIMREFTYPE in (1411, 1412) and (NOTIONALNVQLEVELV2 in (4, 5, 6, 7, 8, H) or NVQ_LV in (4, 5, H))
HIGHER	Higher degree	Provider specific override
MASTER	Masters'	LEARNAIMREFTYPE in (0393, 1410, 1463, 1464, 2001, 9101, 9109, 9114, E008) and (NOTIONALNVQLEVELV2 in (4, 5, 6, 7, 8, H) or NVQ_LV in (4, 5, H))
PGCE	PGCE and other postgraduate initial teacher training (ITT)	LEARNAIMREFTYPE in (6004, 9103, 9115) and

Value	Description	Definition
		(NOTIONALNVQLEVELV2 in (4, 5, 6, 7, 8, H) or
		NVQ_LV in (4, 5, H))
PGCERT	Postgraduate certificate	LEARNAIMREFTYPE = 0065 and
		(NOTIONALNVQLEVELV2 in (4, 5, 6, 7, 8, H) or
		NVQ_LV in (4, 5, H))
PGDIP	Postgraduate diploma	LEARNAIMREFTYPE in (0125, 0126) and
		(NOTIONALNVQLEVELV2 in (4, 5, 6, 7, 8, H) or
		NVQ_LV in (4, 5, H))
ENHANCED	Enhanced first degree (or integrated masters')	LEARNAIMREFTYPE = 6003 and
		(NOTIONALNVQLEVELV2 in (4, 5, 6, 7, 8, H) or
		NVQ_LV in (4, 5, H))
FIRST	First degree	LEARNAIMREFTYPE in (0394, 1406, 1407, 1408, 1409, 1462, 6002, 9000, 9002, 9107, E007) and
		LEARNAIMREF ≠ 00241018 and
		(NOTIONALNVQLEVELV2 in (4, 5, 6, 7, 8, H) or
		NVQ_LV in (4, 5, H))
CERTED	CertEd	LEARNAIMREFTYPE in (1465, 1466, 9111) and
		(NOTIONALNVQLEVELV2 in (4, 5, 6, 7, 8, H) or
		NVQ_LV in (4, 5, H))
CET	Certificate in Education and Training	LEARNAIMREFTYPE = 1457 and
		(NOTIONALNVQLEVELV2 in (4, 5, 6, 7, 8, H) or
		NVQ_LV in (4, 5, H))
CTLLS	Certificate in teaching in the lifelong learning sector	LEARNAIMREFTYPE = 1451 and
		(NOTIONALNVQLEVELV2 in (4, 5, 6, 7, 8, H) or
		NVQ_LV in (4, 5, H))

Value	Description	Definition
DET	Diploma in Education and Training	(LEARNAIMREFTYPE in (1458, 1459) or LEARNAIMREF in (60102548, 60104624, 60104636, 60105185, 6010580X, 60112281, 60114629,60116225, 60123837, 60124453, 60125032, 6012717X, 60132644, 60153507, 60161991, 60179752, 60181229, 60305757)) and (NOTIONALNVQLEVELV2 in (4, 5, 6, 7, 8, H) or NVQ_LV in (4, 5, H))
DIPHE	DipHE	LEARNAIMREFTYPE = 9112 and (NOTIONALNVQLEVELV2 in (4, 5, 6, 7, 8, H) or NVQ_LV in (4, 5, H))
DTLLS	Diploma in teaching in the lifelong learning sector	LEARNAIMREFTYPE = 1449 and (NOTIONALNVQLEVELV2 in (4, 5, 6, 7, 8, H) or NVQ_LV in (4, 5, H))
FOUDEG	Foundation degree	LEARNAIMREFTYPE = 9110 and (NOTIONALNVQLEVELV2 in (4, 5, 6, 7, 8, H) or NVQ_LV in (4, 5, H))
HIGHCERT	Higher certificate	LEARNAIMREFTYPE = 0084 and (NOTIONALNVQLEVELV2 in (4, 5, 6, 7, 8, H) or NVQ_LV in (4, 5, H))
HNC	Higher National Certificate	LEARNAIMREFTYPE = 0031 and (NOTIONALNVQLEVELV2 in (4, 5, 6, 7, 8, H) or NVQ_LV in (4, 5, H))
HND	Higher National Diploma	LEARNAIMREFTYPE in (0032, 1454) and (NOTIONALNVQLEVELV2 in (4, 5, 6, 7, 8, H) or NVQ_LV in (4, 5, H))
PTLLS	Preparing to teach in the lifelong learning sector	LEARNAIMREFTYPE = 1450 and (NOTIONALNVQLEVELV2 in (4, 5, 6, 7, 8, H)

Value	Description	Definition
		or
		NVQ_LV in (4, 5, H))
UNICERT	University certificate	LEARNAIMREFTYPE = 9001 and
		(NOTIONALNVQLEVELV2 in (4, 5, 6, 7, 8, H) or
		NVQ_LV in (4, 5, H))
FDBC	Foundation degree bridging course	LEARNAIMREFTYPE in (6001, 9113) and
		LEARNAIMREF ≠ 00301548 and
		(NOTIONALNVQLEVELV2 in (4, 5, 6, 7, 8, H) or
		NVQ_LV in (4, 5, H))
OTHHE_CC	Other higher education class code	(IPBASEYEAR ≥ 2013 and
		UNITTYPE = CLASS CODE and
		(NOTIONALNVQLEVELV2 = H or
		NVQ_LV = 4, 5, H)) or
		(IPBASEYEAR < 2013 and
		GENERIC_AIM_CODE = Y and
		(NOTIONALNVQLEVELV2 = H or
		NVQ_LV = 4, 5, H))
OTHHE_U	Other higher education unit	(IPBASEYEAR ≥ 2013 and
		UNITTYPE = UNIT and
		(NOTIONALNVQLEVELV2 = H or
		NVQ_LV = 4, 5, H)) or
		(IPBASEYEAR < 2013 and
		LEARNAIMREF begins with a letter and
		LEARNAIMREF not in (Q1050896, Q1050973, Q1051040, Q1052740, Q1052741, Q1054389, Q1054488) and
		(NOTIONALNVQLEVELV2 = H or
		NVQ_LV = 4, 5, H))
		and not above

Value	Description	Definition
OTHHE_Q	Other higher education qualification	(IPBASEYEAR ≥ 2013 and UNITTYPE = QUALIFICATION and (NOTIONALNVQLEVELV2 = H or NVQ_LV = 4, 5, H)) or (IPBASEYEAR < 2013 and (NOTIONALNVQLEVELV2 = H or NVQ_LV = 4, 5, H)) and not above
OTHL[X]_CC	Other Level X class code, where X is the level as indicated by NOTIONALNVQLEVELV2	(IPBASEYEAR ≥ 2013 and NOTIONALNVQLEVELV2 = X and UNITTYPE = CLASS CODE) or (IPBASEYEAR < 2013 and NOTIONALNVQLEVELV2 = X and GENERIC_AIM_CODE = Y)
OTHL[X]_U	Other Level X unit, where X is the level as indicated by NOTIONALNVQLEVELV2	(IPBASEYEAR ≥ 2013 and NOTIONALNVQLEVELV2 = X and UNITTYPE = UNIT) or (IPBASEYEAR < 2013 and NOTIONALNVQLEVELV2 = X and LEARNAIMREF begins with a letter and LEARNAIMREF not in (Q1050896, Q1050973, Q1051040, Q1052740, Q1052741, Q1054389, Q1054488)) and not above
OTHL[X]_Q	Other Level X qualification, where X is the level as indicated by NOTIONALNVQLEVELV2	(IPBASEYEAR ≥ 2013 and NOTIONALNVQLEVELV2 = X and UNITTYPE = QUALIFICATION)) or (IPBASEYEAR < 2013 and NOTIONALNVQLEVELV2 = X)

Value	Description	Definition
		and not above
FE	Further education course	Otherwise

IPLEVELNUM

39. This field gives the FHEQ level of study. This also aligns with NVQ levels.

IPSOURCE = HESASTU or HESASAR

Value	Description	Definition
8	Doctoral degree	COURSEAIM in (D00, D01, D90, E00, E13, E40, E43, E90, L00)
7	Masters' degree, postgraduate diplomas, postgraduate certificates	COURSEAIM in (L80, L90, L91, L99, M00, M01, M02, M10, M11, M13, M16, M22, M26, M28, M40, M41, M42, M43, M44, M45, M50, M70, M71, M72, M73, M76, M78, M79, M80, M86, M88, M90, M91, M99)
6	Bachelors' degrees, graduate certificates and diplomas	COURSEAIM in (H00, H11, H12, H13, H16, H18, H22, H23, H24, H41, H42, H43, H50, H60, H61, H62, H70, H71, H72, H76, H78, H79, H80, H81, H88, H90, H91, H99, I00, I11, I12, I16)
5	Foundation degrees, diplomas of higher education and other higher diplomas	COURSEAIM in (I60, I61, I70, I71, I72, I73, I74, I76, I78, I79, I80, I81, I90, I91, I99, J10, J13, J16, J20, J26, J30, J41, J42, J43, J45, J76, J80, J90, J99)
4	Certificates of higher education	COURSEAIM in (C13, C20, C30, C41, C42, C43, C77, C78, C80, C90, C99)
BLANK	Not applicable to higher education qualifications framework	Otherwise

IPSOURCE = ILR

Value	Description	Definition
8	Doctoral degree	IPOFSQAIM in (OTHL8_Q, OTHL8_CC, OTHL8_U)
7	Masters' degree, postgraduate diplomas, postgraduate certificates	IPOFSQAIM in (MASTER, PGDIP, PGCERT, PGCE, OTHL7_Q, OTHL7_CC, OTHL7_U)
6	Bachelors' degrees with honours, graduate certificates and diplomas	IPOFSQAIM in (FIRST, ENHANCED, FDBC, OTHL6_Q, OTHL6_CC, OTHL6_U)
5	Foundation degrees, diplomas of higher education and other higher diplomas	IPOFSQAIM in (HND, DET, FOUDEG, DIPHE, DTLLS, OTHL5_Q, OTHL5_CC, OTHL5_U)
4	Certificates of higher education	IPOFSQAIM in (HNC, CERTED, UNICERT, HIGHCERT, CTLLS, PTLLS, CET, OTHL4_Q, OTHL4_CC, OTHL4_U)
0	Unknown HE level aim	IPOFSQAIM in (OTHHE_Q, OTHHE_CC, OTHHE_U)

Value	Description	Definition
BLANK	Not applicable to higher education qualifications framework	Otherwise

IPLEVEL

This is a key field

40. This field allocates course and qualification aims to a level of study for the base year.

Value	Description	Definition
PHD	PhD and MPhil	IPOFSQAIM in (PHD, HIGHER)
OPGR	Other postgraduate research	IPOFSQAIM = OTHL7_Q_R
PGTM	Postgraduate taught masters'	IPOFSQAIM = MASTER
PGCE	PGCE	IPOFSQAIM = PGCE
OPGT	Other postgraduate taught	IPOFSQAIM in (DTLLS_PG, OTHL7_Q, OTHL8_Q, PGCERT, PGDIP)
PUGD	Degrees including a postgraduate component	IPOFSQAIM in (ENHANCED, MEDVETDENT)
PUGO	Other qualifications with a postgraduate component	IPOFSQAIM = PROCONGRAD
PGCREDIT	Credit at a postgraduate level	IPOFSQAIM in (OTHL7_CC, OTHL8_CC, OTHL7_U, OTHL8_U)
PGUNSPEC	Taught postgraduate-level study with an unspecified qualification aim	IPOFSQAIM = PGUNSPEC
DEG	First degree	IPOFSQAIM = FIRST
OUG	Other undergraduate	IPOFSQAIM in (CERTED, CET, CTLLS, DET, DIPHE, DTLLS, FOUDEG, HIGHCERT, HNC, HND, OTHL4_Q, OTHL5_Q, OTHL6_Q, OTHHE_Q, PTLLS, UNICERT)
UGCREDIT	Credit at an undergraduate level	IPOFSQAIM in (FDBC, OTHL4_CC, OTHL5_CC, OTHL6_CC, OTHL4_U, OTHL5_U, OTHL6_U, OTHHE_CC, OTHHE_U)
UGUNSPEC	Undergraduate-level study with an unspecified qualification aim	IPOFSQAIM in (UGUNSPEC)
FE	Further education course	IPOFSQAIM = FE
NA	Course aim does not apply	IPOFSQAIM = NA

IPAWARDBOD

41. This field indicates the UKPRN of the awarding body of the qualification. Provider mergers have been taken into account throughout.

IPSOURCE = HESASTU

42. For 2012-13 and later, AWARDBOD has been used to calculate IPAWARDBOD. For 2011-12 and before, AWARDBOD did not exist on the HESA Student record and the UKPRN of the registering provider has been used where no other information can be found.

Value	Description	Definition
10022490	Edexcel	(IPBASEYEAR ≥ 2012 and AWARDBOD = 1) or (IPBASEYEAR ≤ 2011 and IPOFSQAIM in (HNC, HND))
10038755	Scottish Qualifications Authority (SQA)	IPBASEYEAR ≥ 2012 and AWARDBOD = 2
OTHER	Other awarding body	IPBASYEAR ≥ 2012 and AWARDBOD in (3, 4)
Value of AWARDBOD	Value of AWARDBOD	IPBASEYEAR ≥ 2012 and not above
Value of UKPRN of the registering provider	UKPRN of the registering provider	IPBASEYEAR ≤ 2011 and not above

43. Where IPBASEYEAR is greater than or equal to 2012 and multiple awarding bodies have been returned, IPAWARDBOD is set to a single awarding body as follows. Where the registering provider has been returned as one of the awarding bodies, IPAWARDBOD is set to the registering provider. Otherwise, if Edexcel, SQA or another UKPRN has been returned as an awarding body and all other awarding bodies have been assigned as OTHER using the algorithm above, then IPAWARDBOD is set to the given awarding body. If after this process IPAWARDBOD has not been assigned, it will be set to OTHER.

IPSOURCE = HESASAR

44. For 2018-19 and before, this is populated using information previously collected for designated courses. If this information has not been provided, and the value of XDESIG03 has been returned as 2 then this will be supplemented. If IPOFSQAIM is set to HND or HNC, IPAWARDBOD is set to the UKPRN of Edexcel (10022490), otherwise it will be set to the UKPRN of the registering provider.

45. For 2019-20 onwards, AWARDBOD is used where available.

Value	Description	Definition
10022490	Edexcel	(IPBASEYEAR ≥ 2019 and AWARDBOD = 1) or (IPBASEYEAR ≤ 2018 and XDESIG03 = 2 and IPOFSQAIM in (HNC, HND))
10038755	Scottish Qualifications Authority (SQA)	IPBASEYEAR ≥ 2019 and AWARDBOD = 2
Value of AWARDBOD	Value of AWARDBOD	IPBASYEAR ≥ 2019 and AWARDBOD not in (*BLANK*, 3, 4) and not above
Value of the UKPRN of the registering provider	UKPRN of the registering provider	IPBASEYEAR ≤ 2018 and XDESIG03 = 2 and not above
Value of the UKPRN of the awarding body according to designated courses data	Awarding body according to designated courses data	(IPBASEYEAR ≥ 2019 and AWARDBOD = *BLANK*) or (IPBASEYEAR ≤ 2018 and designated courses data is available) and not above
OTHER	Other awarding body	Otherwise

46. Where IPBASEYEAR is greater than or equal to 2019 and multiple awarding bodies have been returned, IPAWARDBOD is set to a single awarding body using the method in paragraph 43.

IPSOURCE = ILR

47. This is taken from the Learning Aim Reference Service (LARS) database for each learning aim. Where a learning aim has not been provided with an awarding body UKPRN on LARS, the UKPRN has been mapped using the provided awarding body code. Where the awarding body code is listed as MULTI or NONE, IPAWARDBOD has been set to OTHER.

IPAWARDLEVELNUM

48. This field gives the FHEQ level of study of the qualification awarded to the student during the reporting year. This also aligns with NVQ levels.

IPSOURCE = HESASTU or HESASAR

Value	Description	Definition
8	Doctoral degree	XQOBTN01 in (D00, D01, D90, E00, E13, E40, E43, E90, L00)
7	Masters' degree, postgraduate diplomas, postgraduate certificates	XQOBTN01 in (L80, L90, L91, M00, M01, M02, M10, M11, M13, M16, M22, M26, M28, M40, M41, M42, M43, M44, M45, M50, M70, M71, M72, M73, M76, M78, M79, M80, M86, M88, M90, M91)
6	Bachelors' degrees, graduate certificates and diplomas	XQOBTN01 in (H00, H11, H12, H13, H16, H18, H22, H23, H24, H41, H42, H43, H50, H60, H61, H62, H70, H71, H72, H76, H78, H79, H80, H81, H88, H90, H91, I00, I11, I12, I16)
5	Foundation degrees, diplomas of higher education and other higher diplomas	XQOBTN01 in (I60, I61, I70, I71, I72, I73, I74, I76, I78, I79, I80, I81, I90, I91, J10, J13, J16, J20, J26, J30, J41, J42, J43, J45, J76, J80, J90)
4	Certificates of higher education	XQOBTN01 in (C13, C20, C30, C41, C42, C43, C77, C78, C80, C90)
BLANK	No qualification awarded or qualification not applicable to higher education qualifications framework	Otherwise

IPSOURCE = ILR

49. This field is not calculated.

IPAWARD_DETAIL

50. This field allocates the qualification awarded to the student during the reporting year to a level of qualification awarded.

IPSOURCE = HESASTU or HESASAR

Value	Description	Definition
CTLLS	Certificate in teaching in the lifelong learning sector	XQOBTN01 = C78
DET	Diploma in education and training	XQOBTN01 = I78
DIPHE	DipHE	XQOBTN01 in (J20, J26)
DTLLS	Diploma in teaching in the lifelong learning sector	XQOBTN01 in (H79, I79)
DTLLS_PG	Postgraduate diploma in teaching in the lifelong learning sector	XQOBTN01 = M79

Value	Description	Definition
ENHANCED	Enhanced first degree (or integrated masters)	XQOBTN01 in (H22, M22, M26, M28)
FIRST	First degree	XQOBTN01 in (H00, H11, H12, H18, H23, H24, I00, I11, I12) or (XQOBTN01 in (I16, H16) and not MEDVETDENT)
FOUDEG	Foundation degree	XQOBTN01 in (J10, J16)
HIGHCERT	Higher certificate	XQOBTN01 = C20
HNC	Higher National Certificate	XQOBTN01 = C30
HND	Higher National Diploma	XQOBTN01 = J30
MASTER	Masters'	XQOBTN01 in (M00, M01, M02, M10, M11, M16, M50)
MEDVETDENT	Pre-registration first degree with honours leading towards obtaining eligibility to register to practise with the General Medical Council, General Dentistry Council (as a dentist) or the Royal College of Veterinary Surgeons	XQOBTN01 in (I16, H16) and (REGBODY in (01, 14, 30) or REGBODY1 in (01, 14, 30) or REGBODY2 in (01, 14, 30) or (IPDENT = 1 and (REGBODY = 02 or REGBODY1 = 02 or REGBODY2 = 02)))
OTHL[X]_Q	Other Level X qualification, where X is the level as indicated by IPAWARDLEVELNUM	XQOBTN01 in (C13, C41, C42, C43, C80, I70, I74, I76, I80, J13, J41, J42, J43, J45, J76, J80, H13, H41, H42, H43, H70, H76, H80, M13, M40, M42, M43, M45, M70, M72, M73, M76, M78, M80, M86, M88, E00, E13, E40, E43)
OTHL[X]_U	Other Level X unit, where X is the level as indicated by IPAWARDLEVELNUM	XQOBTN01 in (C90, I90, I91, J90, H90, H91, L90, L91, M90, M91, D90, E90)
OTHL7_Q_R	Other Level 7 research-based qualification	XQOBTN01 = L80
PGCE	PGCE and other postgraduate initial teacher training (ITT)	XQOBTN01 in (H71, M71)
PGCERT	Postgraduate certificate	XQOBTN01 = M44
PGDIP	Postgraduate diploma	XQOBTN01 = M41
PHD	PhD and MPhil	XQOBTN01 in (D00, D01, L00)

Value	Description	Definition
PROCONGRAD	Professional, conversion and other graduate entry programmes	XQOBTN01 in (H50, H60, H61, H62, H72, H78, H81, H88, I71, I72, I73, I81, I60, I61)
PTLLS	Preparing to teach in the lifelong learning sector	XQOBTN01 = C77
NONE	No qualification	XQOBTN01 = ___
FE	Not higher education	Otherwise

IPSOURCE = ILR

51. Calculated on the same basis as IPOFSQAIM (see paragraph 38).

IPAWARDLEVEL

This is a key field

52. This field allocates the qualification awarded to the student to a level of study for the base year.

Value	Description	Definition
PHD	PhD and MPhil	IPAWARD_DETAIL in (PHD, HIGHER)
OPGR	Other postgraduate research	IPAWARD_DETAIL = OTHL7_Q_R
PGTM	Postgraduate taught masters'	IPAWARD_DETAIL = MASTER
PGCE	PGCE	IPAWARD_DETAIL = PGCE
OPGT	Other postgraduate taught	IPAWARD_DETAIL in (DTLLS_PG, OTHL7_Q, OTHL8_Q, PGCERT, PGDIP)
PUGD	Degrees including a postgraduate component	IPAWARD_DETAIL in (ENHANCED, MEDVETDENT)
PUGO	Other qualifications with a postgraduate component	IPAWARD_DETAIL = PROCONGRAD
PGCREDIT	Credit at a postgraduate level	IPAWARD_DETAIL in (OTHL7_CC, OTHL8_CC, OTHL7_U, OTHL8_U)
DEG	First degree	IPAWARD_DETAIL = FIRST
OUG	Other undergraduate	IPAWARD_DETAIL in (CERTED, CET, CTLLS, DET, DIPHE, DTLLS, FOUDEG, HIGHCERT, HND, HNC, PTLLS, UNICERT, OTHL6_Q, OTHL5_Q, OTHL4_Q, OTHHE_Q, UGUNSPEC)
UGCREDIT	Credit at an undergraduate level	IPAWARD_DETAIL in (FDBC, OTHL4_CC, OTHL5_CC, OTHL6_CC, OTHL4_U, OTHL5_U, OTHL6_U, OTHHE_CC, OTHHE_U)
NONE	No qualification	IPAWARD_DETAIL = NONE

Value	Description	Definition
FE	Not higher education	IPAWARD_DETAIL = FE

IPAPPRENTICE

This is a key field

53. This field indicates whether the student is studying on an apprenticeship at any level.

IPSOURCE = HESASTU

54. This field is calculated for years 2012–13 onwards. For earlier years IPAPPRENTICE is set to 0.

Value	Description	Definition

1	The student is studying on an apprenticeship at any level	IPBASEYEAR ≥ 2012 and
		
		((IPBASEYEAR ≤ 2018 and
		
		    PROGTYPE in (02, 03, 10, 20, 21, 22, 23, 25)) or
		
		    INITIATIVES1 in (K, X, Z) or
		
		    INITIATIVES2 in (K, X, Z) or
		
		    INITIATIVES3 in (K, X, Z))

0	The student is not studying on an apprenticeship	Otherwise

IPSOURCE = HESASAR

55. This field is calculated for years 2016-17 onwards. For earlier years IPAPPRENTICE is set to 0.

Value	Description	Definition

1	The student is studying on an apprenticeship at any level	IPBASEYEAR ≥ 2016 and
		
		(INITIATIVES1 = K or
		
		    INITIATIVES2 = K or
		
		    INITIATIVES3 = K

0	The student is not studying on an apprenticeship	Otherwise

IPSOURCE = ILR

56. This field is calculated for years 2011-12 onwards. For earlier years IPAPPRENTICE is set to 0.

Value	Description	Definition
1	The student is studying on an apprenticeship at any level	IPBASEYEAR ≥ 2011 and PROGTYPE in (02, 03, 10, 20, 21, 22, 23, 25)
0	The student is not studying on an apprenticeship	Otherwise

IPCRSELGTH

57. This field contains the number of years that the qualification aim is expected to last. Expected course lengths that contain a fraction of a year of two weeks or less are rounded down to the nearest whole year, except where the expected course length is less than one year – such expected course lengths will be rounded up to one year. For expected course lengths that contain a fraction of a year greater than two weeks, the value is rounded up to the nearest whole number of years. For example, an expected course length that is one year and three weeks will be rounded up to two years. An expected course length that is one year and one week will be rounded down to one year.

IPSOURCE = HESASTU or HESASAR

58. The expected course length is calculated from UNITLGTH and SPLENGTH. If UNITLGTH is 9 or blank or SPLENGTH is blank then IPCRSELGTH is blank. If UNITLGTH = 1 then SPLENGTH is the expected length in years so IPCRSELGTH is set as SPLENGTH. Otherwise, SPLENGTH gives the expected length in months, weeks, days or hours and this expected length is rounded to a whole number of years, as described above, to give the value of IPCRSELGTH.

IPSOURCE = ILR

59. The expected course length is the difference between IPCOMDATE and IPPLANENDDATE. This expected length is rounded to a whole number of years, as described above, to give the value of IPCRSELGTH.

IPMODE

60. This field allocates students to mode of study, for use in relation to the contextual and entrant populations. This is in contrast to IPEMPMODE in paragraphs 62 to 63, which allocates students to a mode of study for use in relation to the qualifiers population.

IPSOURCE = HESASTU

Value	Description	Definition
FT	Full-time	XMODE01 in (1, 2)
PT	Part-time	XMODE01 = 3
WUP	Writing up	XMODE01 = 4
OTH	Other	Otherwise

IPSOURCE = HESASAR

Value	Description	Definition
FT	Full-time	XMODE02 in (1, 2) and XINACT01 = 0
PT	Part-time	XMODE02 = 3 and XINACT01 = 0
WUP	Writing up	XMODE02 = 4 and XINACT01 = 0
OTH	Other	Otherwise

IPSOURCE = ILR

Value	Description	Definition
FT	Full-time	MODESTUD in (1, 2) or (MODESTUD in (99, *BLANK*) and (IPCRSELGTH = 1 or (IPCRSELGTH ≤ 2 and IPOFSQAIM in (HIGHER, FIRST, FOUDEG, DIPHE, HND)) or (IPCRSELGTH ≤ 3 and IPOFSQAIM in (HIGHER, FIRST)) or (IPCRSELGTH ≤ 4 and IPOFSQAIM = ENHANCED)))
PT	Part-time	Otherwise

IPINDMODE

<table>
<tr><td>This is a key field</td></tr>
</table>

61. This field indicates a student's mode of study for use within access and participation indicators. It attributes all apprenticeship students as full-time.

Value	Description	Definition
FT	Full-time or apprenticeship	IPMODE = FT or IPAPPRENTICE = 1
PT	Part-time and not apprenticeship	IPMODE = PT and IPAPPRENTICE ≠ 1
NA	Not applicable	Otherwise

IPEMPMODE

> **This is a key field**

62. This field allocates students to a mode of study, for use in relation to the qualifiers population, and degree outcome, progression indicators.

IPSOURCE = HESASTU or HESASAR

Value	Description	Definition
FT	Full-time	XQMODE01 = 1
PT	Part-time	XQMODE01 = 2
OTH	Other	Otherwise

IPSOURCE = ILR

63. Calculated on the same basis as IPMODE in paragraph 60.

IPEXCHANGE

64. This field indicates students who are incoming visiting or exchange students from outside the UK.

IPSOURCE = HESASTU

Value	Description	Definition
1	The student is an incoming visiting or exchange student from outside the UK	EXCHANGE in (2, 4, 8, 9, A, G, Z)
0	The student is not an incoming visiting or exchange student from outside the UK	Otherwise

IPSOURCE = HESASAR

Value	Description	Definition
1	The student is an incoming visiting or exchange student from outside the UK	EXCHIND = 1
0	The student is not an incoming visiting or exchange student from outside the UK	Otherwise

Note: The EXCHIND associated with the most recent active instance period in the year is used.

IPSOURCE = ILR

Value	Description	Definition
1	The student was an incoming Erasmus student	LEARNDELFAM_SOF1 in (017, 020) or LEARNDELFAM_SOF2 in (017, 020)

Value	Description	Definition
0	The student was not able to be identified as an incoming Erasmus student	Otherwise

Note: For records taken from the 2010-11 ILR, QA_FEHE1 (A11A) and QA_FEHE2 (A11B) are used instead of LEARNDELFAM_SOF1 and LEARNDELFAM_SOF2. Incoming Erasmus students are not identifiable within 2013–14 and later ILR records, where 017 and 020 are no longer available for use in LEARNDELFAM_SOF1/2.

IPJACS

65. This field shows the full four-digit Joint Academic Coding System (JACS) code that has been assigned to the student's programme of study.

IPSOURCE = HESASTU or HESASAR

66. IPJACS is equal to XJACS01 for 2018-19 and before (IPBASEYEAR ≤ 2018). It is blank for 2019-20 onwards due to the replacement of JACS with the Higher Education Classification of Subjects (HECoS).

IPSOURCE = ILR

67. The Learn Direct codes used to identify subject areas of study for students returned to the ILR (using fields LDCS_CO1, LDCS_CO2, LDCS_CO3) have been mapped to full four-digit JACS codes. For details of this mapping, see the 'Subject code mappings for March 2022 access and participation data resources' document.[7]

IPHECOS

68. This field shows the full 6-digit Higher Education Classification of Subjects (HECoS) code that has been assigned to the student's programme of study.

IPSOURCE = HESASTU or HESASAR

69. IPHECOS is equal to XHECOS for 2019–20 onwards (IPBASEYEAR ≥ 2019). It is not calculated for 2018–19 and before.

IPSOURCE = ILR

70. This field is not calculated.

IPSBJ_CAH2

71. The subject categorisations are based on level 2 of the Common Aggregation Hierarchy (CAH2). For IPSBJ_CAH2, the current version of the Common Aggregation Hierarchy is used. This field shows which of the CAH2 codes the IPJACS or IPHECOS code maps to. Where we cannot map to a subject, we set IPSBJ_CAH2 = CAH23-01. The mapping of JACS and

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[7] See www.officeforstudents.org.uk/data-and-analysis/institutional-performance-measures/technical-documentation/.

HECOS codes to the Common Aggregation Hierarchy codes can be found on the HESA website.[8]

IPSOURCE = ILR

72. Where LDCS codes are not available, Sector Subject Areas have been mapped directly to CAH2 codes. For details of this mapping, see the 'Subject code mappings for March 2022 access and participation data resources' document.[9] Where LDCS codes are available, these are mapped to CAH2 codes through first mapping to IPJACS and then mapping from JACS to CAH, as described above.

IPSBJ_CAH3

73. This field shows which of the Common Aggregation Hierarchy level 3 (CAH3) codes the IPJACS or IPHECOS code maps to, using the current version of the Common Aggregation Hierarchy. Where we cannot map to a subject, we set IPSBJ_CAH3 to CAH23-01-01. The mapping of JACS and HECOS codes to the Common Aggregation Hierarchy codes can be found on the HESA website.[10]

IPFPE

74. This field shows the nominal full person equivalence (FPE) associated with the IPJACS code, or the IPHECOS code where possible. The concept of FPE student numbers is defined in full on the HESA website.[11]

IPSOURCE = HESASTU or HESASAR

75. IPFPE is equal to XFPE01.

IPSOURCE = ILR

76. The FPE associated with the IPJACS code is derived using PCFLDCS, PCSLDCS and PCTLDCS. Where PCFLDCS, PCSLDCS and PCTLDCS do not sum to 1, IPFPE has been scaled to reflect this. For records taken from the 2010–11 ILR, HQ_PERS1 (H33), HQ_PERS2 (H34) and HQ_PERS3 (H35) are used instead of PCFLDCS, PCSLDCS and PCTLDCS.

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[8] See https://www.hesa.ac.uk/support/documentation/hecos/cah-list.

[9] See www.officeforstudents.org.uk/data-and-analysis/institutional-performance-measures/technical-documentation/.

[10] See https://www.hesa.ac.uk/support/documentation/hecos/cah-list.

[11] See https://www.hesa.ac.uk/support/definitions/students/.

Calculation of FTE for ILR records

77. The full-time equivalence (FTE) is calculated for each student record. The concept of full-time equivalent student numbers is defined in full at https://www.hesa.ac.uk/support/definitions/students. Where STULOAD is available (from either the HESA or ILR returns), this is used as the measure of FTE. However, STULOAD may be absent for ILR records. Where this has occurred, we have implemented the approach of deriving FTE from the student number data published by the OfS. Information on this approach, including a technical description of the algorithms used, can be found on the OfS website.[12]

78. The following fields have been calculated for the purpose of institutional performance measures: IPTITLEHRS, IPTITLECREDITS, IPPRIORLEARNADJ, IPQUALHOURS, IPENDDATE, IPAYDAYSSTUDIED, IPAVHOURSPERDAY, IPHOURSPERAYR and IPSTULOADCASE. With the exception of IPPRIORLEARNADJ and IPSTULOADCASE, which are defined below, these fields have been calculated on the same basis as the student numbers technical document. The definitions for these fields can be found in the technical document, where each variable is prefixed by 'SN' rather than 'IP'.

79. All fields related to the calculation of FTE for absent values of STULOAD are only calculated where IPSOURCE is equal to ILR.

IPPRIORLEARNADJ

IPSOURCE = HESASTU or HESASAR

80. This field is not calculated.

IPSOURCE = ILR

81. The funding adjustment for prior learning, expressed as a decimal value. In years where PRIORLEARNFUNDADJ does not exist, IPPRIORLEARNADJ has been set to 1.

Value	Definition
PRIORLEARNFUNDADJ/100	IPBASEYEAR > 2016 and PRIORLEARNFUNDADJ > 0
0	IPBASEYEAR > 2016 and PRIORLEARNFUNDADJ = 0
1	Otherwise

IPSTULOADCASE

IPSOURCE = HESASTU or HESASAR

82. This field is not calculated.

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[12] See www.officeforstudents.org.uk/data-and-analysis/student-number-data/.

IPSOURCE = ILR

83. This field defines the method used in calculating the FTE.

Value	Description	Definition
0	An existing, non-blank STULOAD value will be used	IPOFSQAIM ≠ FE and STULOAD ≠ *BLANK*
1	IPQUALHOURS will be used in calculating FTE	IPOFSQAIM ≠ FE and STULOAD = *BLANK* and IPQUALHOURS ≠ MISSING
2	STULOAD will be assigned to 25	IPOFSQAIM ≠ FE and STULOAD = *BLANK* and IPQUALHOURS = *BLANK*
3	An existing, non-blank STULOAD value will be used	IPOFSQAIM = FE and STULOAD ≠ *BLANK*
4	STULOAD will be assigned to 10	IPOFSQAIM = FE and STULOAD = *BLANK*

IPSTULOAD

84. This field shows the FTE associated with the student's study.

IPSOURCE = HESASTU

85. IPSTULOAD is equal to STULOAD.

IPSOURCE = HESASAR

86. This field shows the sum of the student's FTE for the reporting period. IPSTULOAD is equal to XSTULOAD01.

IPSOURCE = ILR

Value	Description	Definition
Value of STULOAD	An existing, non-blank STULOAD value exists in the source dataset.	IPSTULOADCASE in (0, 3)
*(IPHOURSPERAYR / 540) * 100*	IPQUALHOURS has been used to successfully deduce this record's FTE	IPSTULOADCASE = 1
25	There is not enough information in IPQUALHOURS to deduce a STULOAD for this higher education record	IPSTULOADCASE = 2
10	There is not enough information in IPQUALHOURS to deduce a STULOAD for this further education record	IPSTULOADCASE = 4

Fields used to describe student characteristics

IPBIRTHDATE

87. This field shows the date of birth of the student.

IPSOURCE = HESASTU or HESASAR

88. IPBIRTHDATE is equal to BIRTHDTE.

IPSOURCE = ILR

89. IPBIRTHDATE is equal to DATEOFBIRTH. For records taken from the 2010–11 ILR, ST_DOB (L11) is used instead of DATEOFBIRTH.

IPSTARTAGE

This is a key field

90. This field contains the age of a student (based on IPBIRTHDATE) at 31 August in the year they commence their studies.

IPSTARTAGEBAND

This is a key field

91. This field indicates the age category of the student at 31 August in the year they commence their studies.

Value	Description	Definition
U	Unknown	IPBIRTHDATE = *BLANK* or
		Year of IPBIRTHDATE = 9999 or
		IPSTARTAGE < 10
U21	Under 21 years on entry	IPSTARTAGE < 21 and not above
21_25	21 to 25 years on entry	IPSTARTAGE ≥ 21 and
		IPSTARTAGE < 26
26_30	26 to 30 years on entry	IPSTARTAGE ≥ 26 and
		IPSTARTAGE < 31
31_40	31 to 40 years on entry	IPSTARTAGE ≥ 31 and
		IPSTARTAGE < 41

Value	Description	Definition
41_50	41 to 50 years on entry	IPSTARTAGE ≥ 41 and IPSTARTAGE < 51
51+	51 years and over on entry	Otherwise

IPSEX

This is a key field

92. This field indicates the sex of the student.

IPSOURCE = HESASTU or HESASAR

Value	Description	Definition
1	Male	SEXID = 1
2	Female	SEXID = 2
9	Other sex	Otherwise

Note: For records taken from the 2011-12 HESA Student record and earlier, GENDER is used instead of SEXID.

IPSOURCE = ILR

Value	Description	Definition
1	Male	SEX = M
2	Female	SEX = F
9	Other sex	Otherwise

Note: For records taken from the 2010-11 ILR, ST_SEX (L13) is used instead of SEX.

IPDISABLETYPE

This is a key field

93. This field indicates the type of disability the student has reported.

IPSOURCE = HESASTU or HESASAR

Value	Description	Definition
COG	The student has cognitive or learning difficulties	DISABLE in (11, 51)
MH	The student has a mental health condition	DISABLE in (06, 55)
MULTI	The student has multiple or other impairments	DISABLE in (05, 08, 96)
NONE	The student has no disability reported or an unknown disability type	DISABLE in (00, 97, 98, 99, *BLANK*)

Value	Description	Definition
PHY	The student has a sensory, medical or physical impairment	DISABLE in (02, 03, 04, 07, 54, 56, 57, 58)
SOC	The student has a social or communication impairment	DISABLE in (10, 53)

IPSOURCE = ILR

Value	Description	Definition
COG	The student has cognitive or learning difficulties	(IPBASEYEAR ≥ 2015 and LLDDCAT in (3, 10, 11, 12, 13, 94, 96)) or (IPBASEYEAR < 2015 and LLDD_LD in (1, 2, 10, 11, 19, 90, 97) and LLDD_DS in (98, 99, *BLANK*))
MH	The student has a mental health condition	(IPBASEYEAR ≥ 2015 and LLDDCAT = 9) or (IPBASEYEAR < 2015 and LLDD_DS = 7 and LLDD_LD in (98, 99, *BLANK*))
MULTI	The student has multiple or other impairments	(IPBASEYEAR ≥ 2015 and LLDDCAT in (2, 97)) or (IPBASEYEAR < 2015 and LLDD_DS = 90, 97 or (LLDD_DS not in (98, 99, *BLANK*) and LLDD_LD not in (98, 99, *BLANK*)))
NONE	The student has no disability reported or an unknown disability type	(IPBASEYEAR ≥ 2015 and LLDDCAT in (98, 99, *BLANK*)) or (IPBASEYEAR < 2015 and LLDD_DS = 98, 99, *BLANK* and LLDD_LD = 98, 99, *BLANK*)

Value	Description	Definition

PHY	The student has a sensory, medical or physical impairment	(IPBASEYEAR ≥ 2015 and
		
		   LLDDCAT in (4, 5, 6, 7, 16, 93, 95)) or
		
		(IPBASEYEAR < 2015 and
		
		   LLDD_DS in (1, 2, 3, 4, 5, 8, 9) and
		
		   LLDD_LD in (98, 99, *BLANK*))

SOC	The student has a social or communication impairment	(IPBASEYEAR ≥ 2015 and
		
		   LLDDCAT in (1, 8, 14, 15, 17)) or
		
		(IPBASEYEAR < 2015 and
		
		   (LLDD_DS in (6, 10) and
		
		     LLDD_LD in (98, 99, *BLANK*)) or
		
		   (LLDD_LD = 20 and
		
		     LLDD_DS in (98, 99, *BLANK*)))

Notes:

- Where the student has multiple types of learning difficulty, disability or health problem, the value of LLDDCAT with an associated value of PRIMARYLLDD = 1 is used.

- Where LLDDType has been returned as LD, LLDD_LD contains the respective value of LLDDCode. Where LLDDType has been returned as DS, LLDD_DS contains the respective value of LLDDCode.

- For records taken from the 2010–11 ILR, ST_DISEF (L15) is used instead of LLDD_DS and ST_LDIFF (L16) is used instead of LLDD_LD.

IPDISABLE

This is a key field

94. This field indicates whether the student has a disability reported.

IPSOURCE = HESASTU

Value	Description	Definition
Y	Disability reported	DISABLE not in (00, 97, 98, 99, *BLANK*)

Value	Description	Definition
N	No disability reported	Otherwise

IPSOURCE = HESASAR

Value	Description	Definition
Y	Disability reported	DISABLE not in (00, *BLANK*)
N	No disability reported	Otherwise

IPSOURCE = ILR

Value	Description	Definition
Y	Disability reported	LLDDHEALTHPROB = 1 or LLDDCAT not in (98, 99, *BLANK*) or LLDD_DS not in (98, 99, *BLANK*) or LLDD_LD not in (98, 99, *BLANK*)
N	No disability reported	Otherwise

Notes:

- LLDDCAT is only used from 2015-16 onwards. Where the student has multiple types of learning difficulty, disability or health problem, the value of LLDDCAT with an associated value of PRIMARYLLDD = 1 is used.

- LLDD_DS and LLDD_LD are only used before 2015–16. Where LLDDType has been returned as LD, LLDD_LD contains the respective value of LLDDCode. Where LLDDType has been returned as DS, LLDD_DS contains the respective value of LLDDCode.

- For records taken from the 2011–12 ILR, LLDDIND is used instead of LLDDHEALTHPROB.

- For records taken from the 2010–11 ILR, ST_DISAB (L14) is used instead of LLDDHEALTHPROB, and ST_DISEF (L15) is used instead of LLDD_DS and ST_LDIFF (L16) is used instead of LLDD_LD.

IPETHNICDETAIL

95. This field indicates the student's ethnicity, split into 16 groups.

IPSOURCE = HESASTU

Value	Description	Definition
A_01	Asian or Asian British – Bangladeshi	ETHNIC = 33
A_02	Asian or Asian British - Chinese	ETHNIC = 34
A_03	Asian or Asian British - Indian	ETHNIC = 31
A_04	Asian or Asian British - Pakistani	ETHNIC = 32
A_05	Asian or Asian British - other	ETHNIC = 39

Value	Description	Definition
B_01	Black or black British - African	ETHNIC = 22
B_02	Black or black British - Caribbean	ETHNIC = 21
B_03	Black or black British - other	ETHNIC = 29
M_01	Mixed - white and Asian	ETHNIC = 43
M_02	Mixed - white and black African	ETHNIC = 42
M_03	Mixed - white and black Caribbean	ETHNIC = 41
M_04	Mixed - other	ETHNIC = 49
O_01	Other ethnic group	ETHNIC in (50, 80)
O_02	Gypsy or Traveller	ETHNIC in (14, 15)
W_04	White	ETHNIC in (10, 11, 12, 13, 16, 19)
U	Refused, unknown or not collected	Otherwise

IPSOURCE = HESASTU

Value	Description	Definition
A_01	Asian or Asian British – Bangladeshi	ETHNIC = 33
A_02	Asian or Asian British - Chinese	ETHNIC = 34
A_03	Asian or Asian British - Indian	ETHNIC = 31
A_04	Asian or Asian British - Pakistani	ETHNIC = 32
A_05	Asian or Asian British - other	ETHNIC = 39
B_01	Black or black British - African	ETHNIC = 22
B_02	Black or black British - Caribbean	ETHNIC = 21
B_03	Black or black British - other	ETHNIC = 29
M_01	Mixed - white and Asian	ETHNIC = 43
M_02	Mixed - white and black African	ETHNIC = 42
M_03	Mixed - white and black Caribbean	ETHNIC = 41
M_04	Mixed - other	ETHNIC = 49
O_01	Other ethnic group	ETHNIC in (50, 80)
O_02	Gypsy or Traveller	ETHNIC in (14, 15)
W_04	White	ETHNIC in (10, 11, 12, 13, 19)
U	Refused, unknown or not collected	Otherwise

IPSOURCE = ILR

Value	Description	Definition
A_01	Asian or Asian British - Bangladeshi	ETHNICITY in (11, 41)
A_02	Asian or Asian British - Chinese	ETHNICITY in (18, 42)
A_03	Asian or Asian British - Indian	ETHNICITY in (12, 39)
A_04	Asian or Asian British - Pakistani	ETHNICITY in (13, 40)

Value	Description	Definition
A_05	Asian or Asian British - other	ETHNICITY in (14, 43)
B_01	Black or black British - African	ETHNICITY in (15, 44)
B_02	Black or black British - Caribbean	ETHNICITY in (16, 45)
B_03	Black or black British - other	ETHNICITY in (17, 46)
M_01	Mixed - white and Asian	ETHNICITY in (19, 37)
M_02	Mixed - white and black African	ETHNICITY in (20, 36)
M_03	Mixed - white and black Caribbean	ETHNICITY in (21, 35)
M_04	Mixed - other	ETHNICITY in (22, 38)
O_01	Other ethnic group	ETHNICITY in (47, 98)
O_02	Gypsy or Traveller	ETHNICITY = 33
W_04	White	ETHNICITY in (23, 24, 25, 31, 32, 34)
U	Refused or unknown	Otherwise

Note: For records taken from the 2010–11 ILR, ST_ETHNI (L12) is used instead of ETHNICITY.

IPETHNIC

This is a key field

96. This field indicates the student's ethnicity to a broad level.

Value	Description	Definition
A	Asian	IPETHNICDETAIL in (A_01, A_02, A_03, A_04, A_05)
B	Black	IPETHNICDETAIL in (B_01, B_02, B_03)
M	Mixed	IPETHNICDETAIL in (M_01, M_02, M_03, M_04)
O	Other	IPETHNICDETAIL in (O_01, O_02)
W	White	IPETHNICDETAIL in (W_04)
U	Refused, unknown or not collected	IPETHNICDETAIL = U

IPPOSTCODE

IPSOURCE = HESASTU or HESASAR

97. This field shows the postcode of the student's permanent or home address prior to entry to the course. IPPOSTCODE is equal to POSTCODE.

IPSOURCE = ILR

98. This field shows the postcode prior to enrolment. IPPOSTCODE is equal to POSTCODEPRIOR. For records taken from the 2010–11 ILR, ST_POSTC (L17) is used instead of POSTCODEPRIOR.

IPHOMETTWA

99. This field shows the 2011 travel to work area code in which the student's home postcode is located.

Value	Description	Definition
Travel to work area code of home postcode	Travel to work area of home postcode	IPUKFLAG = 1 and IPPOSTCODE can be mapped to a travel to work area
UNKNOWN	Travel to work area of home postcode not known	Otherwise

IPDOM

This is a key field

100. This field indicates whether the student's domicile is a country in the UK, an EU country or elsewhere.

IPSOURCE = HESASTU or HESASAR

Value	Description	Definition
E	England	XDOMHM01 = 1
S	Scotland	XDOMHM01 = 2
W	Wales	XDOMHM01 = 3
N	Northern Ireland	XDOMHM01 = 4
EU	European Union	XDOMHM01 = 6
OTHER	Other international	XDOMHM01 = 5,7
UNKNOWN	Unknown Domicile	Otherwise

IPSOURCE = ILR

Value	Description	Definition

E	England	DOMICILE = XF or
		
		(DOMICILE in (XJ, XK, GB) and
		
		   (IPPOSTCODE is in England or
		
		     ((IPPOSTCODE = *BLANK* or
		
		       IPPOSTCODE begins ZZ) and
		
		     IPCOUNTRY = E))) or
		
		(DOMICILE in (ZZ, *BLANK*) and

Value	Description	Definition
		IPPOSTCODE is in England)
S	Scotland	DOMICILE = XH or
		(DOMICILE in (XJ, XK, GB) and
		(IPPOSTCODE is in Scotland or
		((IPPOSTCODE = *BLANK* or
		IPPOSTCODE begins ZZ) and
		IPCOUNTRY = S))) or
		(DOMICILE in (ZZ, *BLANK*) and
		IPPOSTCODE is in Scotland
W	Wales	DOMICILE = XI or
		(DOMICILE in (XJ, XK, GB) and
		(IPPOSTCODE is in Wales or
		((IPPOSTCODE = *BLANK* or
		IPPOSTCODE begins ZZ) and
		IPCOUNTRY = W))) or
		(DOMICILE in (ZZ, *BLANK*) and
		IPPOSTCODE is in Wales)
N	Northern Ireland	DOMICILE = XG or
		(DOMICILE in (XJ, XK, GB) and
		(IPPOSTCODE is in Northern Ireland or
		((IPPOSTCODE = *BLANK* or
		IPPOSTCODE begins ZZ) and
		IPCOUNTRY = N))) or
		(DOMICILE in (ZZ, *BLANK*) and
		IPPOSTCODE is in Northern Ireland
EU	European Union	DOMICILE in (AI, AN, AQ, AT, AW, AX, BE, BG, BL, BM, BQ, CH, CW, CY, CZ, DE, DK, EE, ES, EU, FI, FK, FO, FR, GF, GI, GL, GP, GR, GS, HR, HU, IC, IE, IO, 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, TF, VG, WF, XA, XD, XE, YT)

Value	Description	Definition
UNKNOWN	Unknown Domicile	DOMICILE in (ZZ, *BLANK*) and
		IPPOSTCODE = *BLANK* or IPPOSTCODE invalid
OTHER	Other international	Otherwise

Note: For records taken from the 2010–11 ILR, ST_DOMIC (L24) is used and ST_DOMIC = XK is assigned to IPDOM = OTHER. In addition, Croatia (DOMICILE = HR) will only count as IPDOM = EU from 2013–14 onwards.

IPUKFLAG

101. This field indicates whether the student's domicile is in the UK.

Value	Description	Definition
1	Student is domiciled in the UK	IPDOM in (E, S, W, N)
0	Student is not known to be domiciled in the UK	Otherwise

IPPOLAR4

> **This is a key field**

102. This field shows, for UK-domiciled students only (IPUKFLAG = 1), the young higher education participation rate quintile of the student's 2011 Middle Super Output Area (for England and Wales), 2001 Intermediate Zone (for Scotland) or 2011 Super Output Area (for Northern Ireland) on entry. The Participation of Local Areas (POLAR4) measure is used to assign the quintiles.

103. Values are assigned as 1 to 5, with 1 being the quintile of lowest participation rate. Unknown or invalid postcodes are instead set as IPPOLAR4 = UNKNOWN. Students not domiciled in the UK are set as IPPOLAR4 = NA. Further information about the terminology used in census geography can be found on the ONS website.[13]

IPIMDHISTORIC

> **This is a key field**

104. This field reflects a previously published version of IPIMD; it uses a superseded version of the Index of Multiple Deprivation measure for one or more devolved administrations. Whilst this field has been provided for context, IPIMD should be used in preference to IPIMDHISTORIC. This field shows:

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[13] See https://www.ons.gov.uk/methodology/geography/ukgeographies/censusgeography.

a. For students domiciled in England (IPDOM = E) at registering providers in England (IPCOUNTRY = E), the English Index of Multiple Deprivation 2015 quintile.

b. For students domiciled in Wales (IPDOM = W) at registering providers in Wales (IPCOUNTRY = W), the Welsh Index of Multiple Deprivation 2014 quintile.

c. For students domiciled in Scotland (IPDOM = S) at registering providers in Scotland (IPCOUNTRY = S), the Scottish Index of Multiple Deprivation 2016 quintile.

d. For students domiciled in Northern Ireland (IPDOM = N) at registering providers in Northern Ireland (IPCOUNTRY = N), the Northern Ireland Multiple Deprivation Measure 2017 quintile.

Values are 1 to 5, with 1 being the quintile of highest deprivation. Unknown or invalid postcodes for students domiciled in the relevant country are instead set as IPIMDHISTORIC = UNKNOWN, students not domiciled in the relevant country are set as IPIMDHISTORIC = NA.

IPIMD

> **This is a key field**

105. This field shows the Index of Multiple Deprivation (IMD) quintile; the most recently published IMD from each devolved administration has been used. This field shows:

a. For students domiciled in England (IPDOM = E) at registering providers in England (IPCOUNTRY = E), the English Index of Multiple Deprivation 2019 quintile.

b. For students domiciled in Wales (IPDOM = W) at registering providers in Wales (IPCOUNTRY = W), the Welsh Index of Multiple Deprivation 2019 quintile.

c. For students domiciled in Scotland (IPDOM = S) at registering providers in Scotland (IPCOUNTRY = S), the Scottish Index of Multiple Deprivation 2020 quintile.

d. For students domiciled in Northern Ireland (IPDOM = N) at registering providers in Northern Ireland (IPCOUNTRY = N), the Northern Ireland Multiple Deprivation Measure 2017 quintile.

Values are assigned as 1 to 5, with 1 being the quintile of highest deprivation. Unknown or invalid postcodes for students domiciled in the relevant country are instead set as IPIMD = UNKNOWN and students not domiciled in the relevant country are set as IPIMD = NA.

IPIMDNATION

106. This field shows the Index of Multiple Deprivation (IMD) quintile of a student as well as the UK nation whose measure has been used to attribute their quintile. Values take the form as shown below where X is from 1 to 5, 1 being the quintile of highest deprivation.

107. IMD is a relative measure of deprivation and has been calculated separately for each UK nation. As such, the IMD quintile of a student from one UK nation is not comparable with that of a student from a different UK nation.

Value	Description
E[X]	For students with a home postcode (IPPOSTCODE) in England, the English Index of Multiple Deprivation 2019 quintile
W[X]	For students with a home postcode (IPPOSTCODE) in Wales, the Welsh Index of Multiple Deprivation 2019 quintile
S[X]	For students with a home postcode (IPPOSTCODE) in Scotland, the Scottish Index of Multiple Deprivation 2020 quintile
N[X]	For students with a home postcode (IPPOSTCODE) in Ireland, the Northern Ireland Multiple Deprivation Measure 2017 quintile
UNKNOWN	Unknown or invalid home postcode (IPPOSTCODE) for students domiciled in the UK
NA	Student is not domiciled in the UK

Fields used to describe the location of study

IPLOCATION

IPSOURCE = HESASTU or ILR

108. This field is not calculated.

IPSOURCE = HESASAR

109. This field shows the student's location identifier. For the 2014–15 HESA Student Alternative record data, it shows the value of LOCATION. For the 2015–16 HESA Student Alternative record data onwards, it shows the location identifier (LOCATION) associated with the most recent instance period in the year.

IPLOCPOSTCODE

110. This field shows the student's location of study postcode.

IPSOURCE = HESASTU

111. Where a student is taught at the registering provider (IPUKPRNTC = IPUKPRNRC), this field shows the postcode of the campus (CAMPID) with which a student's study is associated.

112. Where the student is taught at another provider (IPUKPRNTC ≠ IPUKPRNRC), we decide whether to use the legal or contact postcode (as shown on the UK Register of Learning Providers) of the teaching provider as follows. We consider the distance between term-time postcode (TTPCODE) and the legal and contact postcodes across all non-distance learning students for each unique combination of teaching and registering provider in that year. Whichever of the legal and contact postcode has the lowest median distance across these students is used as the location of teaching. For 2020–21 onwards, this is supplemented by data from the delivery organisation and location dataset. Where a delivery organisation (DELORG) matches the teaching provider for a student on a given course, the PCODELOC for that course and delivery organisation is used. In either of these cases the UKPRN of the teaching provider is equal to IPUKPRNTC before IPUKPRNTC has been adjusted to take into account mergers involving the provider in question.

113. Where we are unable to find a location of study postcode, IPLOCPOSTODE is set to Unknown.

IPSOURCE = HESASAR

114. Where a student is taught at the registering provider (IPUKPRNTC = IPUKPRNRC), the following methodology is used. For the 2019–20 HESA Student Alternative record and later, the postcode of the campus (determined by CAMPID) is used where it is available. Where this is unavailable, and in all other years, it shows the postcode of the location (IPLOCATION) in which the course was taught. If neither of these pieces of information are available, the legal postcode associated with the UKPRN of the registering provider (IPUKPRNRC) is used.

115. Where the student is taught at another provider (IPUKPRNTC ≠ IPUKPRNRC), the legal postcode of the teaching provider is used. For 2020–21 onwards, this is supplemented by

data from the delivery organisation and location dataset. Where a delivery organisation (DELORG) matches the teaching provider for a student on a given course, the PCODELOC for that course and delivery organisation is used. The value of DELORG is matched to the value of IPUKPRNTC before IPUKPRNTC has been adjusted to take into account mergers involving the provider in question.

116. Where we are unable to find a location of study postcode, IPLOCPOSTODE is set to Unknown.

IPSOURCE = ILR

117. For the 2015–16 ILR return and later, it shows the value of HEPOSTCODE where it exists and does not begin with ZZ, or DELLOCPOSTCODE otherwise. For the 2010–11 ILR return, it shows QA_PCWRK (A23). For all other years, it shows DELLOCPOSTCODE.

118. Where we are unable to find a location of study postcode, IPLOCPOSTODE is set to Unknown.

IPLOCSDY

119. This field shows the location of study.

IPSOURCE = HESASTU

120. IPLOCSDY is equal to LOCSDY

IPSOURCE = HESASAR

121. This field is set to the LOCSDY associated with the most recent active instance period in the year.

IPSOURCE = ILR

122. This field is not calculated.

IPDL

123. This field indicates whether a student is a distance learning student.

IPSOURCE = HESASTU or HESASAR

Value	Description	Definition
1	The student is a distance learning student	IPLOCSDY in (6, 9)
0	The student is not known to be a distance learning student	Otherwise

IPSOURCE = ILR

Value	Description	Definition
1	The student is a distance learning student	IPLOCPOSTCODE begins ZZ

Value	Description	Definition
0	The student is not known to be a distance learning student	Otherwise

IPSTUDYTTWA

124. This field shows the 2011 travel to work area code in which the student's location of study postcode is located. For distance learning students, their home postcode is used instead. For more information on travel to work areas, see the ONS website.[14]

Value	Description	Definition
Value of IPHOMETTWA	Distance learning student	IPDL = 1
Travel to work area code of location of study postcode	Travel to work area code of location of study postcode	IPLOCPOSTCODE can be mapped to a travel to work area and not above
UNKNOWN	Travel to work area of location of study postcode not known	Otherwise

IPSTUDYLOCTYPE

125. This field indicates the proximity of a student's location of study to their address prior to entry. It also identifies distance learners and accounts for UK and non-UK-domiciled students.

Value	Description	Definition
L_01	The student is UK-domiciled, not a distance learner and their location of study is in the same travel to work area as their address prior to entry	IPUKFLAG = 1 and IPHOMETTWA = IPSTUDYTTWA and IPHOMETTWA ≠ UNKNOWN and IPSTUDYTTWA ≠ UNKNOWN and IPDL ≠ 1
D_00	The student is a non-UK-domiciled distance learner	IPUKFLAG = 0 and IPDL = 1 and not above
D_01	The student is a UK-domiciled distance learner	IPUKFLAG = 1 and IPDL = 1 and not above

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[14] See https://www.ons.gov.uk/methodology/geography/ukgeographies/censusgeography.

Value	Description	Definition
M_00	The student is non-UK-domiciled and not a distance learner	IPUKFLAG = 0 and not above
M_01	The student is UK-domiciled, not a distance learner and their location of study is not in the same travel to work area as their address prior to entry	IPUKFLAG = 1 and IPHOMETTWA ≠ IPSTUDYTTWA and IPHOMETTWA ≠ UNKNOWN and IPSTUDYTTWA ≠ UNKNOWN and not above
U	Study location type not known	Otherwise

Fields used to derive populations of students

IPDUP

126. This field indicates students in the HESA Student, HESA Student Alternative or ILR record who we believe also exist in another provider's student record. Duplicated records will be discarded from the indicator populations to avoid double counting. A record is flagged as a duplicate if two courses studied by the same student have all of the following information in common:

- taught at the same provider

- at the same level (for instance HNDs, HNCs, first degrees, foundation degrees, PGCEs or diplomas)

- in the same subject (based on JACS Level 1 subject hierarchy, or CAH1 for records where only HECOS is available)

- of the same mode (using IPMODE)

- overlapping by a month (or, if one of the courses is less than a month's duration, by an overlap equal to the shortest course's length).

Value	Definition
1	Student appears to exist in another provider's HESA student, HESA student alternative or ILR record
0	No duplicates found using the criteria listed in paragraph 126.

IPHEENTITYFLAG

127. This field flags learning aims within the ILR that meet the specification for the learner higher education entity. This is an indicator of data quality, and identifies records for which we expect to have sufficient data coverage to allow inclusion in metrics.

IPSOURCE = HESASTU or HESASAR

128. This field is set to 1 for all HESA Student and HESA Student Alternative records regardless of level of study because there is sufficient data coverage across both returns.

IPSOURCE = ILR

Value	Description	Definition

1	Record is included in the learner higher education entity	ENG_LEVE = H and
		(ENG_PRES = 1 or
		    NVQ_LV in (4, 5, H) and
		        (FUNDMODEL in (25, 99) or

Value	Description	Definition
		(FUNDMODEL = 35 and
		PROGTYPE not in (2, 3, 10, 20, 21, 22, 23, 25))))
0	Record is not included in the learner higher education entity	Otherwise

IPXPSR

129. This field indicates whether the student is included in the standard higher education registration population.

IPSOURCE = HESASTU or HESASAR

130. This is the HESA derived field XPSR01.

IPSOURCE = ILR

131. This field is equivalent to the HESA derived field XPSR01. See the HESA website for further information.[15]

Value	Description	Definition
1	Student is counted in the standard higher education registration population	IPOFSQAIM ≠ FE and
		IPMODE ≠ *BLANK* and
		MSTUFEE ≠ 71 and
		(IPACTENDDATE ≥ 1 August 20YY or
		IPACTENDDATE = *BLANK*) and
		(IPCOMDATE ≤ 31 July 20YY+1 or
		IPCOMDATE = *BLANK*) and
		((IPACTENDDATE = *BLANK* and
		TYPEYR ≠ 5) or
		(IPACTENDDATE ≠ *BLANK* and
		(IPACTENDDATE > IPANNIV + 14 or
		IPCOMDATE = *BLANK* or
		IPPLANENDDATE – IPCOMDATE ≤ 14)))

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[15] See https://www.hesa.ac.uk/collection/c20051/derived/xpsr01.

Value	Description	Definition
0	Student is not counted in the standard higher education registration population	Otherwise

IPCONTEXTPOP

132. This field indicates whether the student is included in the context statistics population.

Value	Description	Definition
1	Student is counted in the context statistics population	IPXPSR = 1 and IPLEVEL not in (FE, NA, PGCREDIT, PGUNSPEC, UGCREDIT, UGUNSPEC) and IPMODE in (FT, PT) and IPDUP = 0
0	Student is not counted in the context statistics population	Otherwise

DFAPAPPEXCL

This is a key field

133. This field is only relevant to the construction of the access and participation data dashboard.

134. This field indicates previous students who would have fallen within the broad scope of access and participation plans, which cover UK-domiciled undergraduate students. For the associated OfS registration condition and other purposes, 'qualifying persons' on 'qualifying courses' are prescribed by regulations made under the Higher Education and Research Act 2017. The current regulations are The Higher Education (Fee Limit Condition) (England) Regulations 2017 (SI 2017/1189).

Value	Description	Definition
0	The student would be in scope of access and participation plans	IPUKFLAG = 1 and (IPLEVEL in (DEG, OUG, PUGD, PUGO) or IPAWARDLEVEL in (DEG, OUG, PUGD, PUGO))
1	The student would not be in scope of access and participation plans	Otherwise

IPENTRANT

135. This field indicates whether the student is an entrant.

Value	Description	Definition
1	Student is an entrant	IPCOMDATE ≥ 1 August 20YY and
		IPCOMDATE < 1 August 20YY+1
0	Student is not an entrant	Otherwise

IPQUALIFIER

136. This field indicates whether the student qualified with a higher education-level qualification.

IPSOURCE = HESASTU or HESASAR

Value	Description	Definition
1	Student qualified with a higher education-level qualification	XPQUAL01 = 1 and
		IPAWARDLEVEL not in (PGCREDIT, UGCREDIT, FDBC, NONE, FE)
0	Student did not qualify, or qualified with credit or a further education level qualification	Otherwise

IPSOURCE = ILR

Value	Description	Definition
1	Student qualified with a higher education-level qualification	IPAWARDLEVEL not in (PGCREDIT, UGCREDIT, FDBC, NONE, FE) and
		(OUTCOME in (1, 6, 7) or
		(OUTCOME in (4, 5, 8) and
		IPACTENDDATE ≤ IPPLANENDDATE + 14 and
		IPPLANENDDATE≠ *BLANK*))
0	Student did not qualify, or qualified with credit or a further education level qualification	Otherwise

Note: For records taken from the 2011–12 ILR, OUTCOMEIND is used instead of OUTCOME, and for the 2010–11 ILR, QA_OUTCO (A35) is used instead of OUTCOME.

IPBASEQUALPOP

137. This field indicates whether the student is included in the population for indicators based on qualifying students.

Value	Description	Definition
1	Student is counted in the base population of qualifiers	IPAWARDLEVEL not in (PGCREDIT, UGCREDIT, FDBC, NONE, FE) and
		IPHEENTITYFLAG = 1 and

Value	Description	Definition
		IPDUP = 0 and
		IPEMPMODE in (FT, PT)
0	Student is not counted in the base population of qualifiers	Otherwise

IPUGBASEQUALPOP

This is a key field

138. This field indicates whether the student is included in the undergraduate population for indicators based on qualifying students. It excludes students who qualified at undergraduate level but were aiming for a postgraduate-level qualification.

Value	Description	Definition
1	Student is counted in the base population of undergraduate qualifiers	IPAWARDLEVEL in (DEG, OUG, PUGD, PUGO) and IPLEVEL not in (PHD, OPGR, PGTM, PGCE, OPGT, PGCREDIT) and IPBASEQUALPOP = 1
0	Student is not counted in the base population of undergraduate qualifiers	Otherwise

Data linking

139. For some fields it is necessary to link data between years of student data or between data sources.

Person-based linking

140. Person-based linking enables us to link data between years of student data and between different data sources.

141. We carry out person-based linking by linking data by combinations of first names, surname, date of birth, sex and (where available) home postcode and prior educational establishment. Spelling errors and other typographical errors (e.g. in dates) are taken into account.

142. Person-based linking can be used to link between student data and other sources of data (such as the National Pupil Database) or between different years, providers or instances of study within student data. It is based on characteristics specific to the student, such as their name, rather than information determined by what the student is studying.

Fields used for entry qualification information

Linking to other data sources for entry qualification information

143. To generate accurate information on student entry qualification, we have linked HESA Student, HESA Student Alternative data and ILR data with other data sources (any provider's ILR data and schools' National Pupil Database (NPD) data) to derive students' UCAS tariff points and Level 3 grade combinations for the purposes of assigning them to entry qualification groups. For ILR data it is necessary to link information with other data sources to find entry qualification information (_LINKED algorithms). HESA Student and HESA Student Alternative data contains entry qualification information, which we use to derive the XXX_HESA fields listed below (_HESA algorithms). However, for students in HESA Student and HESA Student Alternative data we also calculate _LINKED fields for two reasons, using the same method as for ILR data. Firstly, in cases of incomplete HESA Student or HESA Student Alternative we can still derive entry qualifications by linking it to other sources. Secondly, linking HESA Student and HESA Student Alternative data can correct for inconsistencies and reduces the likelihood of underestimating entry qualifications. Following this, the IPL3SOURCE algorithm selects which version should be used (as it returns the highest entry qualification information).

144. For all fields in paragraphs 147 to 176, XXXX_HESA shows the unlinked version, applicable only to HESA Student and HESA Student Alternative records. XXXX_LINKED shows the linked version, applicable to all records from all sources (HESA Student, HESA Student Alternative and ILR). XXXX (no suffix) is chosen from between these two fields according to the value of IPL3SOURCE for HESA Student and HESA Student Alternative data. For ILR data XXXX is always equal to XXXX_LINKED.

145. We link to ILR and NPD data, from 2002-03 to the academic year prior to the HESA Student, HESA Student Alternative or ILR return in question inclusive, to find prior qualifications and grades achieved for students recorded in the HESA Student, HESA Student Alternative or ILR. For example, for students in the 2017-18 HESA Student, HESA Student Alternative or ILR return, we link to ILR and NPD data from 2002-03 to 2016-17 inclusive. We use person-based linking, as described in paragraphs 140 - 142. The DfE does not accept responsibility for any inferences or conclusions derived from the NPD data by third parties.

146. The algorithms that follow make reference to the variables QUALTYPE and QUALGRADE.[16] The Learning Aim References recorded in ILR data have been mapped to the relevant QUALTYPE, and grades to the appropriate QUALGRADE.

IPTARIFF

147. This field shows the number of UCAS tariff points that are generated by the student's entry qualifications. It is calculated using the same method as the HESA derived field XTPOINTS

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[16] These variables are defined at https://www.hesa.ac.uk/collection/c20051/a/qualificationsonentry.

for 2020-21. The full specification for XTPOINTS in 2020-21 can be found on the HESA website.[17] IPTARIFF is capped at 9998.

148. For HESA Student and HESA Student Alternative data, this field will match either IPTARIFF_HESA or IPTARIFF_LINKED depending on IPL3SOURCE. For ILR data it will match IPTARIFF_LINKED.

IPTARIFF_HESA

149. This field is as above in IPTARIFF, but uses entry qualification data as returned in the HESA Student record.

IPTARIFF_LINKED

150. This field is as above in IPTARIFF, but uses entry qualification data supplemented by linking to other data sources.

IPQUALENT3

151. This field categorises students according to their highest qualification on entry using QUALENT3. For HESA Student and HESA Student Alternative data, this field will match either IPQUALENT3_HESA or IPQUALENT3_LINKED depending on IPL3SOURCE. For ILR data it will match IPQUALENT3_LINKED.

IPQUALENT3_HESA

152. This field categorises students according to their highest qualification on entry using QUALENT3 (where it exists).

IPSOURCE = HESASTU or HESASAR

153. IPQUALENT3_HESA is equal to QUALENT3.

IPSOURCE = ILR

154. This field is not calculated.

IPQUALENT3_LINKED

155. IPQUALENT3_LINKED is set as follows and uses both QUALENT3 and the detailed qualification types and grades found from linking to the ILR and NPD, as described in paragraphs 143 to 146.

Value	Description	Definition
Value of QUALENT3	The highest qualification on entry is higher education, a foundation	QUALENT3 = DUK, DZZ, D80, MUK, MZZ, M41, M44, M71, M80, M90, HUK, HZZ, H11, H71, H80, M2X, JUK, J10, J20, J30, J48, J49, J80, C20, C30, C44, C80, C90 or

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[17] See https://www.hesa.ac.uk/collection/c20051/derived/xtpoints.

Value	Description	Definition
	course or an International Baccalaureate	(QUALENT3 = P62, P63 and IPGRADECOMB_LINKED not in (A*A*A*A*, A*A*A*A, A*A*AA, A*AAA, AAAA, A*A*A*, A*A*A, A*AA, AAA, AAB, AAC, ABB, ABC, ACC, BBB, BBC, BCC, CCC, CCD, CDD, DDD, Below DDD))

P94	The highest qualification on entry is at Level 3 and attracts tariff points	IPTARIFF_LINKED > 0 and
		
		(QUALENT3 ≠ *BLANK* or
		
		    (QUALENT2 = *BLANK* and
		
		        QUALENT3 = *BLANK*))
		
		and not above

P92	The highest qualification on entry is at Level 3 and does not attract tariff points	At least one QUALTYPEZZ exists and
		
		(QUALENT3 ≠ *BLANK* or
		
		    (QUALENT2 = *BLANK* and
		
		        QUALENT3 = *BLANK*))
		
		and not above

Value of QUALENT3	The highest qualification on entry is at Level 3 and its tariff points cannot be determined, or it is below Level 3	QUALENT3 ≠ *BLANK* and not above
BLANK	Otherwise	Otherwise

Note: For records taken from the 2010–11 ILR, HQ_QUENT (H45) is used instead of QUALENT3. QUALENT2 only exists in ILR data for years up to and including 2012–13, so clauses involving QUALENT2 are ignored for ILR records in subsequent years.

IPQUALENT2

156. This field categorises students according to their highest qualification on entry using QUALENT2. For HESA Student and HESA Student Alternative data, this field will match either IPQUALENT2_HESA or IPQUALENT2_LINKED depending on IPL3SOURCE. For ILR data it will match IPQUALENT2_LINKED.

IPQUALENT2_HESA

157. This field categorises students according to their highest qualification on entry using QUALENT2 (where it exists).

IPSOURCE = HESASTU

158. IPQUALENT2_HESA is equal to QUALENT2 for students in 2013–14 and earlier data, or equal to XQUALENT2 for students in 2014–15 data onwards.

IPSOURCE = HESASAR or ILR

159. This field is not calculated.

IPQUALENT2_LINKED

160. IPQUALENT2_LINKED is set as follows and uses both QUALENT2 and the detailed qualification types and grades found from linking to the ILR and NPD, as described in paragraphs 143 to 146.

IPSOURCE = HESASTU or HESASAR

Value	Description	Definition
Value of QUALENT2	The highest qualification on entry is higher education, a foundation course, an ONC or OND (including BTEC and Scottish Qualifications Authority (SQA) equivalents) or an International Baccalaureate	(QUALENT2 in (01, 02, 03, 04, 05, 10, 11, 12, 13, 14, 15, 16, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 43, 72) or (QUALENT2 in (41, 47) and IPGRADECOMB_LINKED not in (A*A*A*A*, A*A*A*A, A*A*AA, A*AAA, AAAA, A*A*A*, A*A*A, A*AA, AAA, AAB, AAC, ABB, ABC, ACC, BBB, BBC, BCC, CCC, CCD, CDD, DDD, Below DDD))) and IPQUALENT3_HESA = *BLANK*
39	The highest qualification on entry is at Level 3 and may attract tariff points	At least one QUALTYPEZZ exists and IPQUALENT3_HESA = *BLANK* and not above
Value of QUALENT2	The highest qualification on entry is at Level 3 and its tariff points cannot be determined, or it is below Level 3	IPQUALENT3_HESA = *BLANK* and QUALENT2 ≠ *BLANK* and not above
BLANK	Otherwise	Otherwise

IPSOURCE = ILR

Value	Description	Definition
Value of QUALENT2	The highest qualification on entry is higher education, a foundation course, an ONC or OND (including BTEC and SQA equivalents) or an International Baccalaureate	(QUALENT2 in (01, 02, 03, 04, 05, 10, 11, 12, 13, 14, 15, 16, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 43, 72) or (QUALENT2 in (41, 47) and IPGRADECOMB_LINKED not in (A*A*A*A*, A*A*A*A, A*A*AA, A*AAA, AAAA, A*A*A*, A*A*A, A*AA, AAA, AAB, AAC, ABB, ABC, ACC, BBB, BBC, BCC, CCC, CCD, CDD, DDD, Below DDD))) and

Value	Description	Definition
		IPQUALENT3_LINKED = *BLANK*
39	The highest qualification on entry is at Level 3 and may attract tariff points	At least one QUALTYPEZZ exists and IPQUALENT3_LINKED = *BLANK* and not above
Value of QUALENT2	The highest qualification on entry is at Level 3 and its tariff points cannot be determined, or it is below Level 3	IPQUALENT3_LINKED = *BLANK* and QUALENT2 ≠ *BLANK* and not above
BLANK	Otherwise	Otherwise

Note: For records taken from the 2010-11 ILR, HQ_QUAL_ (H11) is used instead of QUALENT2. QUALENT2 only exists in ILR data for years up to and including 2012-13, so IPQUALENT2_LINKED will be blank for ILR records in all subsequent years.

IPGRADECOMB

161. This field categorises students, where the student has A-levels, Scottish Highers, Scottish Advanced Highers or an International Baccalaureate on entry (QUALTYPEZZ = A, RE, RN, RW, DA, D1, V, V2, 9U, AN, H, AH, IE, IB, IS, ID, IC, IX), or BTECs on entry (QUALTYPEZZ = 0A, 0B, 1A, 1B, 1C, 2B, 2C, 3B, 3C, 4B, 4C, 5B, 5C, 6B, 6C, 7B, 7C, 7T, 7U, 7V, 7Z, 8B, 8C, 8I, 9B, 9C, B, B0, B1, B2, B3, B4, B5, B6, B7, BA, BB, BC, BD, BE, BF, BI, BQ, BR, BT, BU, BV, BW, BX, BY, BZ, D2, D4, D5, D9, DX, DY, DZ, EE, EF, EY, FJ, FL, FN, FP, FQ, FU, FV, FW, FX, FZ, G1, G3, G4, G5, G9, GJ, GK, PJ, PK, PM, PN, PX, PY, PZ, Q1, Q2, Q3, Q4, Q5, Q9, QA, QB, QC, QD, QE, QF, QH, QJ, QK, QL, QM, QX), into groups according to the highest grades for these qualification types.

162. Where qualifications for the student have identical subjects, we identify the qualification type that results in the highest value of tariff points and discard those duplicates with a lower value of tariff points.

163. Hashes and lowercase letters are stripped out from qualification grades (as are 'P' and 'NC' from the end of qualification grades for reformed A-levels and 'Q' from the end of 'DQ' grades), as they do not affect the assignment of tariff points.

164. Where a 'double award' is taken, each of the two grades is treated separately. Likewise, where an A-level and an AS-level are treated as a combined award, each of the two grades is treated separately as an A-level and AS-level respectively.

165. For HESA Student and HESA Student Alternative data, this field will match either IPGRADECOMB_HESA or IPGRADECOMB_LINKED depending on IPL3SOURCE. For ILR data it will match IPGRADECOMB_LINKED.

The A-level groups

Group	A-levels (best 3 or 4)	Scottish AH (best 3 or 4)	Scottish H (best 5 or 6)
A*A*A*A*	A*A*A*A*	None	None
A*A*A*A	A*A*A*A	None	None
A*A*AA	A*A*AA	None	None
A*AAA	A*AAA	None	None
AAAA	AAAA	AAAA	AAAAAA
A*A*A*	A*A*A*	None	None
A*A*A	A*A*A	None	None
A*AA	A*AA	None	None
AAA	AAA	AAA	AAAAA
AAB	A*A*B, A*AB, A*A*D, AAB	AAB	AAAAB, AAAAC, AAAAP, AAABB
AAC	A*A*C, A*AC, A*A*E, A*AD, AAC	AAC	AAABC, AAABP, AAABD, AAACC, AAACP, AAAPP
ABB	A*BB, ABB	ABB	AAAAD, AABBB, AABBC, AABBP
ABC	A*BC, A*AE, A*BD, AAD, ABC	AAD, ABC	AAACD, AAAPD, AABBD, AABCC, AABCP, AABPP, AADD, AABCD, AABPD
ACC	A*CC, A*BE, A*CD, AAE, ABD, ACC	ABD, ACC	AABDD, AACCD, AACPD, AAPPD, ABBCD, ABBPD, ABCCC, ABCCP, ABCPP, ABPPP, AACDD, AAPDD, ABBDD, ABCCD, ABCPD, ABPPD
BBB	BBB	BBB	ABBBB, ABBBC, ABBBP, BBBBB, ABBBD, ABBCC, ABBCP, ABBPP
BBC	BBC	BBC	AACCC, AACCP, AACPP, AAPPP, BBBBC, BBBBP, BBBBD, BBBCC, BBBCP, BBBPP, BBBCD, BBBPD
BCC	A*CE, A*DD, ABE, ACD, BBD, BCC	ACD, BBD, BCC	ACCCC, ACCCP, ACCPP, ACPPP, PPPP, BBCCC, BBCCP, BBCPP, BBPPP, AADDD, ABCDD, ABPDD, BBBDD, ACCCD, ACCPD, ACPPD, APPPD, BBCCD, BBCPD, BBPPD, BCCCC, BCCCP, BCCPP, BCPPP, BPPPP
CCC	A*DE, ACE, ADD, BBE, BCD, CCC	ADD, BCD, CCC	ABDDD, ACCDD, ACPDD, APPDD, BBCDD, BBPDD, BCCCD, BCCPD, BCPPD, BPPPD, CCCCC, CCCCP, CCCPP, CCPPP, CPPPP, PPPPP
CCD	A*EE, ADE, BCE, BDD, CCD	BDD, CCD	ACDDD, APDDD, BBDDD, BCCDD, BCPDD, BPPDD, CCCCD, CCCPD, CCPPD, CPPPD, PPPPD, ADDDD, BCDDD, BPDDD, CCCDD, CCPDD, CPPDD, PPPDD
CDD	AEE, BDE, CCE, CDD	CDD	BDDDD, CCDDD, CPDDD, PPDDD

Group	A-levels (best 3 or 4)	Scottish AH (best 3 or 4)	Scottish H (best 5 or 6)
DDD	BEE, CDE, DDD	DDD	CDDDD, PDDDD, DDDDD
Below DDD	Total A-levels ≥ 3 and not above	Total Scottish AH ≥ 3 and not above	Total Scottish H ≥ 5 and not above

The BACC group

Group	Definition
BACC	QUALENT3 = P62, P63 or (QUALENT2 = 47 and QUALENT3 = *BLANK*) or Student has at least 1 x QUALTYPEZZ = IE of which the highest QUALGRADEZZ is at least 24 points, or (Student has only QUALTYPEZZ in (IB, IE, IS, ID, IC, IX) and (total tariff points for these QUALTYPEs > 0 or student has at least 1 x QUALTYPEZZ = IE of which the highest QUALGRADEZZ is 1 to 23 points) or total IB points (i.e. total tariff points from QUALTYPEZZ in (IB, IS, ID) plus tariff points from best QUALTYPEZZ in (IC, IX)) > 0.5 × IPTARIFF) and not above

The BTEC groups

Triple BTEC

Group	QUALTYPE = B, B1, B7, BE, BF, BR, BW, EE, 5C, Q5, PX, QX
BTECD*D*D*	D*D*D*, SSS
BTECD*D*D	D*D*D, SSD
BTECD*DD	D*DD, SDD
BTECDDD	DDD
BTECDDM	DDM
BTECDMM	DMM
BTECMMM and below	Not above

Double and single BTEC

Group	QUALTYPE = 4C, B, B0, B2, B6, BE, BV, EF, 6C, Q4, PN	QUALTYPE = B, B3, B5, BD, BE, BU, EY, 8C, Q1
BTECD*D*D*	D*D*, SS	D*, S
BTECD*D*D	D*D*, SS	D

Group	QUALTYPE = 4C, B, B0, B2, B6, BE, BV, EF, 6C, Q4, PN	QUALTYPE = B, B3, B5, BD, BE, BU, EY, 8C, Q1
BTECD*D*D	D*D, SD	D*, S
BTECD*DD	D*D, SD	D
BTECD*DD	DD	D*, S
BTECDDD	DD	D
BTECDDM	DD	M
BTECDDM	DM	D
BTECDDM	D*D*, SS	M
BTECDDM	D*D, SD	M
BTECDDM	DM	D*, S
BTECDMM	DM	M
BTECDMM	MM	D
DMM	MM	D*, S
BTECMMM and below	Not above	Not above

Three single BTECs

Group	QUALTYPE = B, B3, B5, BD, BE, BU, EY, 8C, Q1	QUALTYPE = B, B3, B5, BD, BE, BU, EY, 8C, Q1	QUALTYPE = B, B3, B5, BD, BE, BU, EY, 8C, Q1
BTECD*D*D*	D*, S	D*, S	D*, S
BTECD*D*D	D*, S	D*, S	D
BTECD*DD	D*, S	D	D
BTECDDD	D	D	D
BTECDDM	D*, S	D*, S	M
BTECDDM	D*, S	D	M
BTECDDM	D	D	M
BTECDMM	D*, S	M	M
BTECDMM	D	M	M
BTECMMM and below	Not above	Not above	Not above

Two double BTECs or one double and one 90-credit BTEC

Group	QUALTYPE = 4C, B, B0, B2, B6, BE, BV, EF, 6C, Q4, PN	QUALTYPE = 4C, B, B0, B2, B6, BE, BV, EF, 6C or QUALTYPE = 8I, BZ, 7C, Q2, Q3, PY
BTECD*D*D*	D*D*, SS	D*D*, SS
BTECD*D*D*	D*D*, SS	D*D, SD
BTECD*D*D	D*D*, SS	DD
BTECD*D*D	D*D*, SS	DM

Group	QUALTYPE = 4C, B, B0, B2, B6, BE, BV, EF, 6C, Q4, PN	QUALTYPE = 4C, B, B0, B2, B6, BE, BV, EF, 6C or QUALTYPE = 8I, BZ, 7C, Q2, Q3, PY
BTECD*D*D	D*D, SD	D*D, SD
BTECD*DD	D*D, SD	DD
BTECD*DD	D*D, SD	DM
BTECDDD	DD	DD
BTECDDD	DD	DM
BTECDDM	D*D*, SS	MM
BTECDDM	D*D*, SS	MP
BTECDDM	D*D, SD	MM
BTECDDM	D*D, SD	MP
BTECDDM	DD	MM
BTECDDM	DD	MP
BTECDDM	DM	DM
BTECDMM	DM	MM
BTECDMM	DM	MP
BTECMMM and below	Not above	Not above

Two single and one 90-credit BTEC

Group	QUALTYPE = B, B3, B5, BD, BE, BU, EY, 8C, Q1	QUALTYPE = B, B3, B5, BD, BE, BU, EY, 8C, Q1	QUALTYPE = 8I, BZ, 7C, Q2, Q3, PY
BTECD*D*D*	D*, S	D*, S	D*D*, SS
BTECD*D*D*	D*, S	D*, S	D*D, SD
BTECD*D*D	D*, S	D*, S	DD
BTECD*D*D	D*, S	D*, S	DM
BTECD*D*D	D*, S	D	D*D, SD
BTECD*DD	D*, S	D	DD
BTECD*DD	D*, S	D	DM
BTECDDD	D	D	DD
BTECDDD	D	D	DM
BTECDDM	D*, S	D*, S	MM
BTECDDM	D*, S	D*, S	MP
BTECDDM	D*, S	D	MM
BTECDDM	D*, S	D	MP
BTECDDM	D	D	MM
BTECDDM	D	D	MP
BTECDDM	D	M	DM

Group	QUALTYPE = B, B3, B5, BD, BE, BU, EY, 8C, Q1	QUALTYPE = B, B3, B5, BD, BE, BU, EY, 8C, Q1	QUALTYPE = 8I, BZ, 7C, Q2, Q3, PY
BTECDMM	D	M	MM
BTECDMM	D	M	MP
BTECMMM and below	Not above	Not above	Not above

Two 90-credit BTECs

Group	QUALTYPE = 8I, BZ, 7C, Q2, Q3, PY	QUALTYPE = 8I, BZ, 7C, Q2, Q3, PY
BTECD*D*D*	D*D*, SS	D*D*, SS
BTECD*D*D	D*D*, SS	D*D, SD
BTECD*D*D	D*D, SD	D*D, SD
BTECD*D*D	D*D*, SS	DD
BTECD*DD	D*D, SD	DD
BTECDDD	D*D*, SS	DM
BTECDDD	D*D, SD	DM
BTECDDD	DD	DD
BTECDDM	DD	DM
BTECDDM	D*D*, SS	MM
BTECDDM	D*D, SD	MM
BTECDDM	DD	MM
BTECDDM	DM	DM
BTECDMM	DM	MM
BTECMMM and below	Not above	Not above

The mixed A-levels and BTECs groups

Group	Grade exists	Grade exists	Grade exists	Grade exists
2A1B	QUALTYPE in (A, V)	QUALTYPE in (A, V)	QUALTYPE in (4C, B, B0, B2, B6, BV, BE, EF, 6C, Q4, PN)	
2A1B	QUALTYPE in (A, V)	QUALTYPE in (A, V)	QUALTYPE in (B, B3, B5, BD, BE, BU, EY, 8C, Q1)	QUALTYPE in (B, B3, B5, BD, BE, BU, EY, 8C, Q1)
2A1B	QUALTYPE in (A, V)	QUALTYPE in (A, V)	QUALTYPE in (8I, BZ, 7C, Q2, Q3, PY)	
2A1B	QUALTYPE in (A, V)	QUALTYPE in (A, V)	QUALTYPE in (B, B3, B5, BD, BE, BU, EY, 8C, Q1)	
1A2B	QUALTYPE in (A, V)	QUALTYPE in (4C, B, B0, B2, B6, BE, BV, EF, 6C, Q4, PN)		

Group	Grade exists	Grade exists	Grade exists	Grade exists
1A2B	QUALTYPE in (A, V)	QUALTYPE in (B, B3, B5, BD, BE, BU, EY, 8C, Q1)	QUALTYPE in (B, B3, B5, BD, BE, BU, EY, 8C, Q1)	
1A2B	QUALTYPE in (A, V)	QUALTYPE in (8I, BZ, 7C, Q2, Q3, PY)	QUALTYPE in (B, B3, B5, BD, BE, BU, EY, 8C, Q1)	

The Other Level 3 group

Group	Definition
OTHL3	At least one QUALTYPE exists with a non-fail valid grade and not above

The No Level 3 group

Group	Definition
NOL3	Otherwise

IPGRADECOMB_HESA

166. This field is as above in IPGRADECOMB, but uses entry qualification data as returned in the HESA Student record.

IPGRADECOMB_LINKED

167. This field is as above in IPGRADECOMB, but uses entry qualification data supplemented by linking to other data sources.

IPENTQUALGRP

168. This field contains the broad grouping of the student's highest qualification on entry.

169. For HESA Student and HESA Student Alternative data, this field will match either IPENTQUALGRP_HESA or IPENTQUALGRP_LINKED depending on IPL3SOURCE. For ILR data it will match IPENTQUALGRP_LINKED.

Value	Description	Definition
HEPG	Higher education: Postgraduate level	IPQUALENT3 in (DUK, DZZ, D80, M41, M44, M71, M80, M90, MUK, MZZ, H71) or (IPQUALENT2 in (01, 02, 03, 04, 05) and IPQUALENT3 = *BLANK*)
HEFD	Higher education: First degree level	IPQUALENT3 in (M2X, H11, HUK, HZZ, JUK) or (IPQUALENT2 in (10, 11) and IPQUALENT3 = *BLANK*)

Value	Description	Definition
		and not above
HEOUG	Higher education: Other undergraduate level	IPQUALENT3 in (H80, J10, J20, J30, J48, J80, C20, C30, C44, C80, C90) or (IPQUALENT2 in (12, 13, 14, 15, 16, 21, 22, 23, 24, 25, 26, 27, 28, 30, 31) and IPQUALENT3 = *BLANK*) and not above
Value of IPGRADECOMB	Level 3 qualification with combinations of A-levels, Scottish Advanced Highers, Scottish Highers, International Baccalaureate, BTEC Nationals or A-levels mixed with BTEC Nationals	IPGRADECOMB in (A*A*A*A*, A*A*A*A, A*A*AA, A*AAA, AAAA, A*A*A*, A*A*A, A*AA, AAA, AAB, AAC, ABB, ABC, ACC, BBB, BBC, BCC, CCC, CCD, CDD, DDD, Below DDD, BACC, BTECD*D*D*, BTECD*D*D, BTECD*DD, BTECDDD, BTECDDM, BTECDMM, BTECMMM and below, 2A1B, 1A2B) and not above
BTECL	BTEC – lower graded	Student has at least 1 x QUALTYPEZZ in (0A, 0B, 1A, 1B, 1C, 2B, 2C, 3B, 3C, 4B, 4C, 5B, 5C, 6B, 6C, 7B, 7C, 7T, 7U, 7V, 7Z, 8B, 8C, 8I, 9B, 9C, B, B0, B1, B2, B3, B4, B5, B6, B7, BA, BB, BC, BD, BE, BF, BI, BQ, BR, BT, BU, BV, BW, BX, BY, BZ, D2, D4, D5, D9, DX, DY, DZ, EE, EF, EY, FJ, FL, FN, FP, FQ, FU, FV, FW, FX, FZ, G1, G3, G4, G5, G9, GJ, GK, PJ, PK, PM, PN, PX, PY, PZ, Q1, Q2, Q3, Q4, Q5, Q9, QA, QB, QC, QD, QE, QF, QH, QJ, QK, QL, QM, QX) for which QUALGRADEZZ is at least a pass grade and not above
BTECO	BTEC – other	IPQUALENT2 = 41 and IPQUALENT3 = *BLANK* and not above
See paragraph 170	Other Level 3 qualifications (with tariff)	(IPQUALENT3* = P (excluding P62, P63) or (IPQUALENT2 in (39, 40) and IPQUALENT3 = *BLANK*)) and IPTARIFF > 0

Value	Description	Definition
		and not above
GNVQ/NVQ	GNVQ/NVQ	IPQUALENT2 in (37, 38) and
		IPQUALENT3 = *BLANK*
		and not above
FOUND	Foundation course	IPQUALENT3 = J49 or
		(IPQUALENT2 in (29, 43, 72) and
		IPQUALENT3 = *BLANK*)
		and not above
ACCESS	Access course	IPQUALENT3 in (X00, X01) or
		(IPQUALENT2 in (44, 45, 48) and
		IPQUALENT3 = *BLANK*) or
		student has at least 1 x QUALTYPEZZ in (LD, Y1, Y2, Y3, Y4, Y5, Y6, Y7, Y8, Y9, YA, YB, YC, YD, YF) for which QUALGRADEZZ is at least a pass grade
		and not above
LEV3	Other Level 3 qualifications (without tariff)	IPQUALENT3* = P (excluding P62, P63) or
		(IPQUALENT2 in (39, 40) and
		IPQUALENT3 = *BLANK*)
		and not above
NONE	No formal qualifications	IPQUALENT3 in (X02, X03, X05) or
		(IPQUALENT2 in (92, 93, 98) and
		IPQUALENT3 = *BLANK*)
		and not above
OTHERS	Other qualifications (unknown level, or below level 3)	IPDOM in (E, N, S, W) and
		(IPQUALENT3* in (Q, R) or
		IPQUALENT3 = X04 or
		(IPQUALENT2 in (55, 56, 57, 94, 97) and
		IPQUALENT3 = *BLANK*))

Value	Description	Definition
		and not above

OTHERS_NONUKDOM	Non-UK-domiciled students with other qualifications (unknown level, or below level 3)	IPDOM not in (E, N, S, W) and
		
		(IPQUALENT3* in (Q, R) or
		
		    IPQUALENT3 = X04 or
		
		    (IPQUALENT2 in (55, 56, 57, 94, 97) and
		
		        IPQUALENT3 = *BLANK*))
		
		and not above

UNKNOWN	Unknown qualifications	Otherwise

* the first character of IPQUALENT3 is used

170. For students with 'Other Level 3 qualifications (with tariff)' as their highest qualification on entry, further granularity is required and the value of IPENTQUALGRP is assigned as follows:

Value	Definition
>115	IPTARIFF > 115
>105	IPTARIFF > 105 and not above
>90	IPTARIFF > 90 and not above
>80	IPTARIFF > 80 and not above
>65	IPTARIFF > 65 and not above
>40	IPTARIFF > 40 and not above
>0	IPTARIFF > 0 and not above

IPENTQUALGRP_HESA

171. This field is as above in IPENTQUALGRP, but uses entry qualification data as returned in the HESA Student record. In addition, any instances of IPQUALENT2, IPQUALENT3 or IPGRADECOMB in the main algorithm should be replaced by IPQUALENT2_HESA, IPQUALENT3_HESA or IPGRADECOMB_HESA respectively.

IPENTQUALGRP_LINKED

172. This field is as above in IPENTQUALGRP, but uses entry qualification data supplemented by linking to other data sources. In addition, any instances of IPQUALENT2, IPQUALENT3 or IPGRADECOMB in the main algorithm should be replaced by IPQUALENT2_LINKED, IPQUALENT3_LINKED or IPGRADECOMB_LINKED respectively.

IPTARGRP

173. This field indicates the broad tariff grouping of the student.

174. For HESA Student and HESA Student Alternative data, this field will match either IPTARGRP_HESA or IPTARGRP_LINKED depending on IPL3SOURCE. For ILR data it will match IPTARGRP_LINKED.

Value	Description	Definition
HE	Higher education-level entry qualifications	IPUKFLAG = 1 and (IPENTQUALGRP in (HEPG, HEFD, HEOUG) or IPQUALENT3 = J49 or (IPQUALENT2 = 29 and IPQUALENT3 = *BLANK*))
H	High tariff	IPUKFLAG = 1 and IPTARIFF > 156 and not above
M	Medium tariff	IPUKFLAG = 1 and 112 ≤ IPTARIFF ≤ 156 and not above
L	Low tariff	IPUKFLAG = 1 and 0 < IPTARIFF < 112 and not above
NONE	Non-tariff bearing	IPUKFLAG = 1 and not above
NONUK	Not a UK domiciled student	Otherwise

IPTARGRP_HESA

175. This field is as above in IPTARGRP, but uses entry qualification data as returned in the HESA Student or HESA Student Alternative record. In addition, any instances of IPQUALENT2, IPQUALENT3, IPTARIFF or IPENTQUALGRP in the main algorithm should be replaced by

IPQUALENT2_HESA, IPQUALENT3_HESA, IPTARIFF_HESA or IPENTQUALGRP_HESA respectively.

IPTARGRP_LINKED

176. This field is as above in IPTARGRP, but uses entry qualification data supplemented by linking to other data sources. In addition, any instances of IPQUALENT2, IPQUALENT3, IPTARIFF or IPENTQUALGRP in the main algorithm should be replaced by IPQUALENT2_LINKED, IPQUALENT3_LINKED, IPTARIFF_LINKED or IPENTQUALGRP_LINKED respectively.

IPL3SOURCE

IPSOURCE = HESASTU or HESASAR

177. This field shows whether HESA Student and HESA Student Alternative Level 3 entry qualifications on entry entity data, or the linked ILR and NPD Level 3 qualifications data, was used to inform entry qualification derived fields. IPL3SOURCE = HESA if the HESA Student and HESA Student Alternative data has been used, IPL3SOURCE = ILRNPD if the linked data has been used.

    a. Where IPGRADECOMB_HESA is not equal to OTHL3 or NOL3, or IPGRADECOMB_LINKED is not equal to OTHL3 or NOL3, then the source we use for all entry qualification information is the one that has the highest value of IPGRADECOMB according to the list in IPGRADECOMB above.

    b. Otherwise, the source we use is that with the highest value of IPTARIFF.

    c. However, if both are missing tariff points or have zero tariff points, then we choose a source that has OTHL3 over NOL3.

    d. Where there is a tie when comparing IPGRADECOMB or IPTARIFF in each source, we use the HESA Student or HESA Student Alternative record.

IPSOURCE = ILR

178. This field is set to ILRNPD.

Fields used for determining students' eligibility for free school meals at key stage 4

Linking to the National Pupil Database for determining students' eligibility for free school meals at key stage 4

179. A student's eligibility for free school meals (FSM) can be used as an individual measure of disadvantage. To generate information on students' FSM eligibility, we have linked HESA Student, HESA Student Alternative and ILR data with schools' NPD data using person-based linking, as described in paragraphs 140 - 142. We link to NPD School Census data at key stage 4, from 2009-10 onwards. This has information on pupils attending maintained schools in England. From spring 2013-14, this includes local authority maintained Pupil Referral Units and alternative provision academies, including alternative provision free schools. The DfE does not accept responsibility for any inferences or conclusions derived from the NPD data by third parties.

IPFSMPOP

This is a key field

180. This field indicates whether a student is included in the population of students whose indicators are broken down by FSM eligibility status. This will include students who are under 21 on commencement of their studies and who were successfully linked to records from the NPD.

IPFSMSTATE

This is a key field

181. This field indicates whether a student was ever recorded as eligible for free school meals on census day in any termly or annual census in the previous six years, up to the student's current year at key stage 4.

Fields used in the generation of the access indicators

IPACCEXCL1

182. This field indicates students excluded from the access indicators population as they are neither full-time nor part-time.

Value	Description	Definition
0	The student was studying full-time or part-time	IPMODE in (FT, PT)
1	The student was not studying full-time or part-time	Otherwise

IPACCEXCL2

183. This field indicates students excluded from the access indicators population as they are not entrants or have left their course early.

Value	Description	Definition
0	The student was an entrant, and did not leave their course early	IPENTRANT = 1 and IPINTERCALATE ≠ 1 and (IPACTENDDATE = *BLANK* or IPACTENDDATE – IPCOMDATE ≥ 14 days)
1	The student was not an entrant	Otherwise

IPACCEXCL4

184. This field indicates students excluded from the access indicators population because they are one of the following:

- on a subject knowledge enhancement course

- an incoming visiting and exchange student from outside the UK

- the whole of the course is outside the UK

- the student has spent, or will spend, more than eight weeks in the UK but the course is primarily outside the UK

- the student is studying mainly overseas as part of a collaborative course between their UK provider and an overseas provider.

IPSOURCE = HESASTU or HESASAR

Value	Description	Definition
1	The student meets at least one of the exclusion criteria listed in paragraph 184	TTCID in (E, F) or IPEXCHANGE = 1 or IPLOCSDY = S
0	The student is not excluded by any criteria in paragraph 184	Otherwise

IPSOURCE = ILR

Value	Description	Definition
1	The student meets at least one of the exclusion criteria listed in paragraph 184	IPEXCHANGE = 1
0	The student is not excluded by any criteria in paragraph 184	Otherwise

IPACCEXCL8

185. This field indicates students excluded from the access indicators population as they are aiming for credits or no formal qualification.

Value	Description	Definition
0	The student was registered on a course at undergraduate level that aims for a formal qualification	IPLEVEL in (DEG, OUG, PUGD, PUGO) and IPHEENTITYFLAG = 1
1	The student was aiming for credit or no formal qualification	Otherwise

IPACCEXCL16

186. This field excludes students who appear to have been recorded in another provider's HESA Student, HESA Student Alternative or ILR data for the same activity.

Value	Description	Definition
1	Student recorded in another provider's HESA Student, HESA Student Alternative or ILR data for the same activity	IPDUP = 1
0	Student was not recorded in another provider's HESA Student, HESA Student Alternative or ILR data for the same activity	Otherwise

IPACCEXCL

187. This field indicates whether the student will be included in the access indicators calculation. For students excluded from the calculation, IPACCEXCL contains the sum of all applicable values from the table below. Students included in the calculation have IPACCEXCL = 0. The field is computed as (1 × IPACCEXCL1) + (2 × IPACCEXCL2) + …..+ (16 × IPACCEXCL16). The reasons that contributed to the exclusion can therefore be determined.

Value	Description	Definition
1	The student was not studying full-time or part-time	IPACCEXCL1 = 1
2	The student was not an entrant	IPACCEXCL2 = 1
4	The student is excluded for other reasons	IPACCEXCL4 = 1
8	The student was not registered on a course that aims for a formal qualification at undergraduate level	IPACCEXCL8 = 1
16	The student was recorded in another provider's HESA Student, HESA Student Alternative or ILR data for the same activity	IPACCEXCL16 = 1
0	Otherwise	None of the above

Fields used in the generation of the continuation indicators

Linking between years

188. In the continuation indicator for a given base year, we need to link data from HESA Student, HESA Student Alternative and ILR to other years of data to evaluate outcomes. Data from the previous year is used to determine whether students are genuine entrants. Data from the following year is used to determine a student's activity for full-time and apprenticeship students. Data from the following two years is used to determine a student's activity for part-time non-apprenticeship students.

189. We link student data across years and providers using person-based linking, described in paragraphs 140 - 142.

190. We link each record in the base year to every record we can find for that student in each year's data, and consider only one record per student, mode and level at each provider using the method described in IPCONEXCL256 in paragraph 199.

191. A number of the fields used in the generation of the continuation outcomes described by this document are calculated for multiple years of the student data. In these cases, additional variables are included in the individualised files with the suffix of _YX. Unless stated otherwise, this denotes that the field is the same as the main variable, but the data used is from a subsequent year. For a field with the suffix _YX, the field is calculated using data X years following the current academic year (e.g. _Y1 where data is used one year following the base year). In the case that these additional fields are not listed in the algorithms below, the fields are calculated on the same basis as the main variable listed in this document. Where fields are only calculated for subsequent years of data, but not in the base year, the definition will be stated with the year suffix included (_YX).

192. The individualised student data files include the fields IPBASEID_Y1 and IPBASEID_Y2, which are calculated on the same basis as the main IPBASEID variable described in paragraphs 16 to 17 but are calculated using data from 1 and 2 years following the current academic year, respectively. For a given record in the base year, these fields can be used to identify which record in the subsequent year has been linked in order to determine an outcome for the student. Fields with the suffix _YX in the base year will match the main variable calculated for the linked record in the subsequent year.

IPCONEXCL1

193. This field indicates students excluded from the continuation population as they are neither full-time nor part-time.

Value	Description	Definition
0	The student was studying full-time or part-time	IPMODE in (FT, PT)
1	The student was not studying full-time or part-time	Otherwise

IPCONEXCL2

194. This field indicates students excluded from the continuation population as they are not entrants or have left their course early.

Value	Description	Definition
0	The student was an entrant, and did not leave their course early	IPCOMDATE ≥ 18 July 20YY and IPCOMDATE < 18 July 20YY + 1 and (IPACTENDDATE = *BLANK* or IPACTENDDATE – IPCOMDATE ≥ 14 days) and IPINTERCALATE ≠ 1
1	The student was not an entrant	Otherwise

IPCONEXCL8

195. This field indicates students excluded from the continuation population as they are one of the following:

- on a subject knowledge enhancement course

- an incoming visiting and exchange student from outside the UK

- the whole of the course is outside the UK

- the student has spent, or will spend, more than eight weeks in the UK but the course is primarily outside the UK

- the student is studying mainly overseas as part of a collaborative course between their UK provider and an overseas provider.

IPSOURCE = HESASTU or HESASAR

Value	Description	Definition
1	The student meets at least one of the exclusion criteria listed in paragraph 195	TTCID in (E, F) or IPEXCHANGE = 1 or IPLOCSDY = S
0	The student is not excluded by any criteria in paragraph 195	Otherwise

IPSOURCE = ILR

Value	Description	Definition
1	The student meets at least one of the exclusion criteria listed in paragraph 195	IPEXCHANGE = 1
0	The student is not excluded by any criteria in paragraph 195	Otherwise

IPCONEXCL16

196. This field indicates students excluded from the continuation population as they are aiming for credits or no formal qualification.

Value	Description	Definition
0	The student was registered on a course at postgraduate or undergraduate level that aims for a formal qualification	IPMODE in (FT, PT) and IPLEVEL in (PHD, OPGR, PGTM, PGCE, OPGT, DEG, OUG, PUGD, PUGO) and IPHEENTITYFLAG = 1
1	The student was aiming for credit or no formal qualification	Otherwise

IPCONEXCL32

197. This field indicates students excluded from the continuation population as they were active on a course in the year prior to entry, at the same level (grouping DEG with PUGD and OUG with PUGO) and provider.

IPCONEXCL128

198. This field excludes students who appear to have been recorded in another provider's HESA Student, HESA Student Alternative or ILR data for the same activity.

Value	Description	Definition
1	Student recorded in another provider's Student HESA Student Alternative or ILR data for the same activity	IPDUP = 1
0	Otherwise	Otherwise

IPCONEXCL256

199. We include in the continuation population only one record per student, mode and level at each registering provider. Note that for continuation purposes, all apprenticeship students are treated as having IPMODE = FT. Where a student has more than one record at the provider with the same IPMODE and IPLEVEL (in the base year), the following hierarchy is used to determine which record is kept in the continuation population:

- keep records not excluded for at least one of IPCONEXCL1-128 in preference to those that are excluded for at least one of those reasons

- keep the record that has the most favourable continuation outcome (in the following order of preference for IPCONINDFULL: QUALIFIED, CONTINUING_H, CONTINUING, TRANSFER, QUALIFIED_L, CONTINUING_L, TRANSFER_L, INACTIVE).

200. Records that are excluded for this reason are given an IPCONEXCL256 value of 1. Those not excluded for this reason are given an IPCONEXCL256 value of 0.

IPCONEXCL

201. This field indicates whether the student will be included in the continuation indicators calculation. For students excluded from the calculation, IPCONEXCL contains the sum of all applicable values from the table below. Students included in the calculation have IPCONEXCL = 0. The field is computed as (1 × IPCONEXCL1) + (2 × IPCONEXCL2) + …..+ (256 × IPCONEXCL256). The reasons that contributed to the exclusion can therefore be determined.

Value	Description	Definition
1	The student was not studying full-time or part-time	IPCONEXCL1 = 1
2	The student was not an entrant	IPCONEXCL2 = 1
8	The student is excluded for other reasons	IPCONEXCL8 = 1
16	The student was not registered on a course that aims for a formal qualification at undergraduate or postgraduate level	IPCONEXCL16 = 1
32	The student was active on a course at the same level and same provider in the year prior to entry	IPCONEXCL32 = 1
128	Student recorded in another provider's HESA Student, HESA Student Alternative or ILR data for the same activity	IPCONEXCL128 = 1
256	Student with more than one record at the provider with the same IPMODE and IPLEVEL	IPCONEXCL256 = 1
0	Otherwise	None of the above

IPCONQUAL

202. This field allocates the qualification awarded to the student during the reporting year to a broad grouping, for use in the assessment of continuation outcomes.

203. The associated fields, IPCONQUAL_YX, have the same definition as that described here, but the data used is from X years following IPBASEYEAR. See the 'Linking between years' section (paragraphs 188 to 192) for more detail.

IPSOURCE = HESASTU or HESASAR

Value	Description	Definition
PHD	PhD and MPhil	IPAWARDLEVEL = PHD
OPGR	Other postgraduate research	IPAWARDLEVEL = OPGR
PGTM	Postgraduate taught masters'	IPAWARDLEVEL = PGTM
PGCE	PGCE	IPAWARDLEVEL = PGCE
OPGT	Other postgraduate taught	IPAWARDLEVEL = OPGT
PUGD	Degrees including a postgraduate component	IPAWARDLEVEL = PUGD
PUGO	Other qualifications with a postgraduate component	IPAWARDLEVEL = PUGO

Value	Description	Definition
DEG	Degree	IPAWARDLEVEL = DEG
OUG	Other undergraduate	IPAWARDLEVEL = OUG
OTH	Other	Otherwise

IPSOURCE = ILR

Value	Description	Definition
PHD	PhD and MPhil	IPQUALIFIER = 1 and IPAWARDLEVEL = PHD
OPGR	Other postgraduate research	IPQUALIFIER = 1 and IPAWARDLEVEL = OPGR
PGTM	Postgraduate taught masters'	IPQUALIFIER = 1 and IPAWARDLEVEL = PGTM
PGCE	PGCE	IPQUALIFIER = 1 and IPAWARDLEVEL = PGCE
OPGT	Other postgraduate taught	IPQUALIFIER = 1 and IPAWARDLEVEL = OPGT
PUGD	Degrees including a postgraduate component	IPQUALIFIER = 1 and IPAWARDLEVEL = PUGD
PUGO	Other qualifications with a postgraduate component	IPQUALIFIER = 1 and IPAWARDLEVEL = PUGO
DEG	Degree	IPQUALIFIER = 1 and IPAWARDLEVEL = DEG
OUG	Other undergraduate	IPQUALIFIER = 1 and IPAWARDLEVEL = OUG
OTH	Other	Otherwise

IPCONACTIVE

204. This field indicates whether the student was actively studying for the purpose of the continuation indicator.

205. The associated fields, IPCONACTIVE_YX, have the same definition as that described here, but the data used is from X years following IPBASEYEAR. For example, IPCONACTIVE_Y1 indicates the student was active in the year following the current academic year. See the 'Linking between years' section (paragraphs 188 to 192) for more detail.

IPSOURCE = HESASTU or ILR

Value	Description	Definition
1	Student is active	IPSTULOAD not in (0, *BLANK*) or (IPCOUNTRY = S and TYPEYR not in (1, *BLANK*))
0	Student is not active	Otherwise

IPSOURCE = HESASAR

Value	Description	Definition
1	Student is active	IPSTULOAD not in (0, *BLANK*)
0	Student is not active	Otherwise

IPCONCENSUS_YX

206. This field indicates the date X years and 14 days after the anniversary of the student's start date in the base year (IPANNIV). For example, IPCONCENSUS_Y1 indicates the date one year and 14 days after IPANNIV.

Note on activity levels

207. The activity level hierarchy described below is derived based on each student's level of study in the base year. The levels of study denoted by the fields IPLEVEL_H, IPLEVEL_E and IPLEVEL_L, specify the levels of active study or qualification that would be required to be considered at a higher, equivalent or lower level than the student's original study respectively. Activity that does not fall in any of these level categories would be considered as if the student were inactive for the purposes of continuation.

IPCONLEVEL_H

208. This field indicates the levels of study or qualification that would be considered at a higher level than the student's level of study in the base year.

Value	Definition
BLANK	IPLEVEL = PHD
PHD	IPLEVEL in (OPGR, PGTM, PGCE, OPGT)
PHD OPGR PGTM PGCE OPGT	IPLEVEL in (PGCREDIT, PGUNSPEC)
PHD OPGR PGTM PGCE OPGT	IPLEVEL = (DEG, PUGO, PUGD)
PHD OPGR PGTM PGCE OPGT PUGD DEG	IPLEVEL = OUG
PHD OPGR PGTM PGCE OPGT PUGD DEG PUGO OUG PGCREDIT PGUNSPEC	IPLEVEL in (UGCREDIT UGUNSPEC)

IPCONLEVEL_E

209. This field indicates the levels of study or qualification that would be considered at an equivalent level to the student's level of study in the base year.

Value	Definition
PHD	IPLEVEL = PHD
OPGR PGTM PGCE OPGT	IPLEVEL in (OPGR, PGTM, PGCE, OPGT)
PGCREDIT PGUNSPEC	IPLEVEL in (PGCREDIT, PGUNSPEC)
DEG PUGO PUGD	IPLEVEL = (DEG, PUGO, PUGD)
PUGO OUG	IPLEVEL = OUG
UGCREDIT UGUNSPEC	IPLEVEL in (UGCREDIT UGUNSPEC)

IPCONLEVEL_L

210. This field indicates the levels of study or qualification that would be considered at a lower level than the student's level of study in the base year.

Value	Definition
OPGR PGTM PGCE OPGT PGCREDIT PGUNSPEC	IPLEVEL = PHD
PUGD PUGO PGCREDIT PGUNSPEC	IPLEVEL in (OPGR, PGTM, PGCE, OPGT)
PUGD PUGO	IPLEVEL in (PGCREDIT, PGUNSPEC)
OUG PGCREDIT PGUNSPEC UGCREDIT UGUNSPEC	IPLEVEL = (DEG, PUGO, PUGD)
PGCREDIT PGUNSPEC UGCREDIT UGUNSPEC	IPLEVEL = OUG
BLANK	IPLEVEL in (UGCREDIT UGUNSPEC)

IPCONVALIDMODE_YX

211. This field indicates the permitted modes for study at different levels that can be considered as active study for continuation purposes.

Value	Description	Definition
FT PT WUP	Full-time, part-time and writing up are valid modes	IPLEVEL_YX in (PHD, OPGR, PGTM, PGCE, OPGT)
FT PT	Only full-time and part-time are valid modes	Otherwise

IPCONINDFULL_Y1

212. This field indicates the continuation outcome of a student on their census date one year and 14 days after entry.

Value	Description	Definition
QUALIFIED	The student qualified from higher education study at the same provider at an equivalent level to their initial study or higher within one year and 14 days after their entry to higher education	(IPCONLEVEL_H contains IPCONQUAL or IPCONLEVEL_E contains IPCONQUAL) or (IPACTENDDATE_Y1 ≠ *BLANK* and 　IPACTENDDATE_Y1 ≤ IPCONCENSUS_Y1 and 　IPUKPRNRC = IPUKPRNRC_Y1 and 　(IPCONLEVEL_H contains IPCONQUAL_Y1 or 　　IPCONLEVEL_E contains IPCONQUAL_Y1))
CONTINUING	The student was continuing on higher education study at the same provider at an equivalent level to their initial study or higher one year and 14 days after their entry to higher education	IPCOMDATE_Y1 ≤ IPCONCENSUS_Y1 and IPUKPRNRC_Y1 = IPUKPRNRC and (IPCONLEVEL_H contains IPLEVEL_Y1 or 　IPCONLEVEL_E contains IPLEVEL_Y1) and IPCONVALIDMODE_Y1 contains IPMODE_Y1 and IPCONACTIVE_Y1 = 1 and (IPACTENDDATE_Y1 = *BLANK* or 　(IPACTENDDATE_Y1 ≥ IPCONCENSUS_Y1 and 　　(IPACTENDDATE_Y1 - IPCOMDATE_Y1 ≥ 14 or 　　　(IPCONLEVEL_H contains IPCONQUAL_Y1 or 　　　　IPCONLEVEL_E contains IPCONQUAL_Y1)))) and not above

Value	Description	Definition

TRANSFER	The student transferred to being registered at another provider, and was in active higher education study that was at an equivalent level to their initial study or higher one year and 14 days after their entry to higher education	(IPCOMDATE_Y1 ≤ IPCONCENSUS_Y1 and
		
		    IPUKPRNRC_Y1 ≠ IPUKPRNRC and
		
		    (IPCONLEVEL_H contains IPCONQUAL_Y1 or
		
		        IPCONLEVEL_E contains IPCONQUAL_Y1))
		
		or
		
		(IPCOMDATE_Y1 ≤ IPCONCENSUS_Y1 and
		
		    IPUKPRNRC_Y1 ≠ IPUKPRNRC and
		
		    (IPCONLEVEL_H contains IPLEVEL_Y1 or
		
		        IPCONLEVEL_E contains IPLEVEL_Y1) and
		
		    IPCONVALIDMODE_Y1 contains IPMODE_Y1 and
		
		    IPCONACTIVE_Y1 = 1 and
		
		    (IPACTENDDATE_Y1 = *BLANK* or
		
		        IPACTENDDATE_Y1 - IPCOMDATE_Y1 ≥ 14))
		
		and not above

QUALIFIED_L	The student qualified from higher education study at the same provider at a lower level than their initial study within one year and 14 days after their entry to higher education	(IPCONLEVEL_L contains IPCONQUAL)
		
		or
		(IPACTENDDATE_Y1 ≠ *BLANK* and
		
		    IPACTENDDATE_Y1 ≤ IPCONCENSUS_Y1 and
		    IPUKPRNRC = IPUKPRNRC_Y1 and
		
		    IPCONLEVEL_L contains IPCONQUAL_Y1)
		
		and not above

Value	Description	Definition

CONTINUING_L	The student was continuing on higher education study at the same provider at a lower level than their initial study one year and 14 days after their entry to higher education	IPCOMDATE_Y1 ≤ IPCONCENSUS_Y1 and
		
		IPUKPRNRC_Y1 = IPUKPRNRC and
		
		IPCONLEVEL_L contains IPLEVEL_Y1 and
		
		IPCONVALIDMODE_Y1 contains IPMODE_Y1 and
		
		IPCONACTIVE_Y1 = 1 and
		
		(IPACTENDDATE_Y1 = *BLANK* or
		
		  (IPACTENDDATE_Y1 ≥ IPCONCENSUS_Y1 and
		
		    (IPACTENDDATE_Y1 - IPCOMDATE_Y1 ≥ 14 or
		
		      IPCONLEVEL_L contains IPCONQUAL_Y1)))
		
		and not above

TRANSFER_L	The student transferred to being registered at another provider, and was in active higher education study at a lower level than their initial study one year and 14 days after their entry to higher education	(IPCOMDATE_Y1 ≤ IPCONCENSUS_Y1 and
		
		  IPUKPRNRC_Y1 ≠ IPUKPRNRC and
		
		  IPCONLEVEL_L contains IPCONQUAL_Y1)
		
		or
		
		(IPCOMDATE_Y1 ≤ IPCONCENSUS_Y1 and
		
		  IPUKPRNRC_Y1 ≠ IPUKPRNRC and
		
		  IPCONLEVEL_L contains IPLEVEL_Y1 and
		
		  IPCONVALIDMODE_Y1 contains IPMODE_Y1 and
		
		  IPCONACTIVE_Y1 = 1 and
		
		  (IPACTENDDATE_Y1 = *BLANK* or

Value	Description	Definition
		IPACTENDDATE_Y1 - IPCOMDATE_Y1 ≥ 14))
		and not above
INACTIVE	The student did not continue or qualify at the same provider, or transfer to another provider, and is considered to be inactive in higher education one year and 14 days after their entry	Otherwise

IPCONINDFULL_Y2

213. This field indicates the continuation outcome of a student on their census date two years and 14 days after entry.

Value	Description	Definition

QUALIFIED	The student qualified from higher education study at the same provider at an equivalent level to their initial study or higher within two years and 14 days after their entry to higher education	(IPCONLEVEL_H contains IPCONQUAL or
		
		  IPCONLEVEL_E contains IPCONQUAL)
		
		or
		
		((IPCONLEVEL_H contains IPCONQUAL_Y1 or
		
		  IPCONLEVEL_E contains IPCONQUAL_Y1) and
		
		  IPUKPRNRC_Y1 = IPUKPRNRC)
		
		or
		
		(IPACTENDDATE_Y2 ≠ *BLANK* and
		
		  IPACTENDDATE_Y2 ≤ IPCONCENSUS_Y2 and
		
		  IPUKPRNRC = IPUKPRNRC_Y2 and
		
		  (IPCONLEVEL_H contains IPCONQUAL_Y2 or
		
		  IPCONLEVEL_E contains IPCONQUAL_Y2))

CONTINUING	The student was continuing on higher education study at the same provider at an equivalent level to their initial study or	IPCOMDATE_Y2 ≤ IPCONCENSUS_Y2 and IPUKPRNRC_Y2 =

Value	Description	Definition
	higher two years and 14 days after their entry to higher education	IPUKPRNRC and
		(IPCONLEVEL_H contains IPLEVEL_Y2 or
		IPCONLEVEL_E contains IPLEVEL_Y2) and
		IPCONVALIDMODE_Y2 contains IPMODE_Y2 and
		IPCONACTIVE_Y2 = 1 and
		(IPACTENDDATE_Y2 = *BLANK* or
		(IPACTENDDATE_Y2 ≥ IPCONCENSUS_Y2 and
		(IPACTENDDATE_Y2 - IPCOMDATE_Y2 ≥ 14 or
		(IPCONLEVEL_H contains IPCONQUAL_Y2 or
		IPCONLEVEL_E contains IPCONQUAL_Y2))))
		and not above
TRANSFER	The student transferred to being registered at another provider, and was in active higher education study at an equivalent level to their initial study or higher two years and 14 days after their entry to higher education	((IPCONLEVEL_H contains IPCONQUAL_Y1 or
		IPCONLEVEL_E contains IPCONQUAL_Y1) and
		IPUKPRNRC_Y1 ≠ IPUKPRNRC)
		or
		(IPUKPRNRC_Y1 ≠ IPUKPRNRC and
		(IPCONLEVEL_H contains IPLEVEL_Y1 or
		IPCONLEVEL_E contains IPLEVEL_Y1) and
		IPCONVALIDMODE_Y1 contains IPMODE_Y1 and
		IPCONACTIVE_Y1 = 1 and
		(IPACTENDDATE_Y1 =

Value	Description	Definition
		BLANK or
		IPACTENDDATE_Y1 - IPCOMDATE_Y1 ≥ 14))
		or
		(IPCOMDATE_Y2 ≤ IPCONCENSUS_Y2 and
		IPUKPRNRC_Y2 ≠ IPUKPRNRC and
		(IPCONLEVEL_H contains IPCONQUAL_Y2 or
		IPCONLEVEL_E contains IPCONQUAL_Y2))
		or
		(IPCOMDATE_Y2 ≤ IPCONCENSUS_Y2 and
		IPUKPRNRC_Y2 ≠ IPUKPRNRC and
		(IPCONLEVEL_H contains IPLEVEL_Y2 or
		IPCONLEVEL_E contains IPLEVEL_Y2) and
		IPCONVALIDMODE_Y2 contains IPMODE_Y2 and
		IPCONACTIVE_Y2 = 1 and
		(IPACTENDDATE_Y2 = *BLANK* or
		(IPACTENDDATE_Y2 - IPCOMDATE_Y2 ≥ 14)))
		and not above
QUALIFIED_L	The student qualified from higher education study at the same provider at a lower level than their initial study within two years and 14 days after their entry to higher education	(IPCONLEVEL_L contains IPCONQUAL)
		or
		(IPCONLEVEL_L contains IPCONQUAL_Y1 and
		IPUKPRNRC_Y1 = IPUKPRNRC)

Value	Description	Definition
		or
		(IPACTENDDATE_Y2 ≠ *BLANK* and
		IPACTENDDATE_Y2 ≤ IPCONCENSUS_Y2 and
		IPUKPRNRC = IPUKPRNRC_Y2 and
		IPCONLEVEL_L contains IPCONQUAL_Y2)
		and not above
CONTINUING_L	The student was continuing on higher education study at the same provider at a lower level than their initial study two years and 14 days after their entry to higher education	IPCOMDATE_Y2 ≤ IPCONCENSUS_Y2 and
		IPUKPRNRC_Y2 = IPUKPRNRC and
		IPCONLEVEL_L contains IPLEVEL_Y2 and
		IPCONVALIDMODE_Y2 contains IPMODE_Y2 and
		IPCONACTIVE_Y2 = 1 and
		(IPACTENDDATE_Y2 = *BLANK* or
		(IPACTENDDATE_Y2 ≥ IPCONCENSUS_Y2 and
		(IPACTENDDATE_Y2 - IPCOMDATE_Y2 ≥ 14 or
		IPCONLEVEL_L contains IPCONQUAL_Y2)))
		and not above
TRANSFER_L	The student transferred to being registered at another provider, and was in active higher education study at a lower level than their initial study two years and 14 days after their entry to higher education	(IPCONLEVEL_L contains IPCONQUAL_Y1 and
		IPUKPRNRC_Y1 ≠ IPUKPRNRC)
		or
		(IPUKPRNRC_Y1 ≠ IPUKPRNRC and

Value	Description	Definition
		IPCONLEVEL_L contains IPLEVEL_Y1 and
		IPCONVALIDMODE_Y1 contains IPMODE_Y1 and
		IPCONACTIVE_Y1 = 1 and
		(IPACTENDDATE_Y1 = *BLANK* or
		IPACTENDDATE_Y1 - IPCOMDATE_Y1 ≥ 14))
		or
		(IPCOMDATE_Y2 ≤ IPCONCENSUS_Y2 and
		IPUKPRNRC_Y2 ≠ IPUKPRNRC and
		IPCONLEVEL_L contains IPCONQUAL_Y2)
		or
		(IPCOMDATE_Y2 ≤ IPCONCENSUS_Y2 and
		IPUKPRNRC_Y2 ≠ IPUKPRNRC and
		IPCONLEVEL_L contains IPLEVEL_Y2 and
		IPCONVALIDMODE_Y2 contains IPMODE_Y2 and
		IPCONACTIVE_Y2 = 1 and
		(IPACTENDDATE_Y2 = *BLANK* or
		(IPACTENDDATE_Y2 - IPCOMDATE_Y2 ≥ 14)))
		and not above
INACTIVE	The student did not continue or qualify at the same provider, or transfer to another provider, and is considered to be inactive in higher education two years and 14 days after their entry	Otherwise

IPCONINDFULL

214. This field indicates the activity in higher education that is determined for each student for the purposes of continuation. For full-time or apprenticeship students, this corresponds to their determined higher education activity in the year following entry. For part-time students (non-apprenticeship), this corresponds to their determined higher education activity two years following entry.

Value	Description	Definition
Value of IPCONINDFULL_Y2	Continuation outcome two years following a student's entry	IPMODE = PT and IPAPPRENTICE ≠ 1 and IPBASEYEAR < 2019
Value of IPCONINDFULL_Y1	Continuation outcome in the year following a student's entry	Otherwise

Fields used in the generation of degree outcome indicators

IPDOQUALPOP

> **This is a key field**

215. This field indicates whether the student is included in the population of first degree qualifiers who are in scope for the degree outcome indicators. For student data taken from the HESA Student Alternative record this field is available from 2014-15.

IPSOURCE = HESASTU or HESASAR

Value	Description	Definition
1	Student is counted in the population of first degree qualifiers	XPQUAL01 = 1 and IPAWARDLEVEL in (DEG, PUGD, PUGO) and IPDUP = 0
0	Student is not counted in the population of first degree qualifiers	Otherwise

IPSOURCE = ILR

Value	Description	Definition
1	Student is counted in the population of first degree qualifiers	OUTCOME = 1 and IPLEVEL in (PUGD, DEG) and IPDUP = 0
0	Student is not counted in the population of first degree qualifiers	Otherwise

Note: For records taken from the 2011–12 ILR, OUTCOMEIND is used instead of OUTCOME.

XCLASSF01

IPSOURCE = HESASTU or HESASAR

216. For 2013–14 and earlier, we have calculated this field ourselves on the same basis as HESA; otherwise the HESA derived field XCLASSF01 is used.

IPSOURCE = ILR

217. This field is not calculated.

IPDODEGCLASS

This is a key field

218. This field indicates the degree classification awarded to first degree students. For student data taken from the HESA Student record or the ILR, this field is available from 2011–12. For student data taken from the HESA Student Alternative record this field is available for each year of data from 2014–15.

IPSOURCE = HESASTU or HESASAR

Value	Description	Definition
FIRST	First class honours degree	IPDOQUALPOP = 1 and XCLASSF01 = 01
2_1	Upper second class honours degree	IPDOQUALPOP = 1 and XCLASSF01 = 02
OTH_HONOURS	Other classifications of honours degree	IPDOQUALPOP = 1 and XCLASSF01 in (03, 04, 05, 06, 09)
UNCLASS	Unclassified degree awards	IPDOQUALPOP = 1 and not above
NA	No degree awarded	Otherwise

IPSOURCE = ILR

Value	Description	Definition
FIRST	First class honours degree	IPDOQUALPOP = 1 and OUTGRADE = FI
2_1	Upper second class honours degree	IPDOQUALPOP = 1 and OUTGRADE = SU
OTH_HONOURS	Other classifications of honours degree	IPDOQUALPOP = 1 and OUTGRADE in (SL, SE, TH, FO)
UNCLASS	Unclassified degree awards	IPDOQUALPOP = 1 and not above
NA	No degree awarded	Otherwise

Fields used in the generation of the progression indicators

IPEMPXPDLHE

219. This field indicates whether the student is counted in the Destinations of Leavers from Higher Education (DLHE) target population. Where IPSOURCE = HESASTU or HESASAR, this field is equal to XPDLHE02 for 2011–12 to 2016–17 inclusive. For 2010–11 it is equal to XPDLHE01.

IPEMPSOCDLHE

220. This field indicates the Standard Occupational Classification 2010 and is equal to SOCDLHE2010 for 2011–12 onwards. For 2010–11 it indicates the Standard Occupational Classification and is equal to SOCDLHE.

IPEMPEXCL1

221. This field indicates students excluded from the progression indicator population as they are not counted in the DLHE target population.

Value	Description	Definition
0	The student is counted in the DLHE target population	IPEMPXPDLHE = 1
1	The student is not counted in the DLHE target population	Otherwise

IPEMPEXCL2

222. This field indicates where students are excluded from the progression indicator population as they are not domiciled in the UK.

Value	Description	Definition
0	The student was domiciled in the UK	IPUKFLAG = 1
1	The student was not domiciled in the UK	Otherwise

IPEMPEXCL4

223. This field indicates students excluded from the progression indicator population as they were not awarded a higher education-level qualification.

Value	Description	Definition
0	The student was awarded an higher education-level qualification	IPAWARDLEVEL not in (PGCREDIT, UGCREDIT, FDBC, NONE, FE) and IPHEENTITYFLAG = 1
1	The student was not awarded an higher education-level qualification	Otherwise

IPEMPEXCL8

224. This field excludes students who appear to have been recorded in another provider's HESA Student, HESA Student Alternative or ILR data for the same activity.

Value	Description	Definition
1	The student is recorded in another provider's HESA Student, HESA Student Alternative or ILR data for the same activity	IPDUP = 1
0	The student is not recorded in another provider's HESA Student, HESA Student Alternative or ILR data for the same activity	Otherwise

IPEMPEXCL

This is a key field

225. This field indicates whether the student will be included in the progression indicators calculation. For students excluded from the calculation, IPEMPEXCL contains the sum of all applicable values from the table below. Students included in the calculation have IPEMPEXCL = 0.

Value	Description	Definition
1	Student is not counted in the DLHE target population	IPEMPEXCL1 = 1
2	The student was not UK-domiciled	IPEMPEXCL2 = 1
4	The student was not awarded an higher education-level qualification	IPEMPEXCL4 = 1
8	The student was recorded in another provider's HESA Student, HESA Student Alternative or ILR data for the same activity	IPEMPEXCL8 = 1
0	Otherwise	None of the above

IPEMPRESPONSE

This is a key field

226. This field indicates whether the graduate responded to the DLHE survey. Survey responses include cases where it is known that the graduate has died or is suffering a serious illness, and where a graduate has explicitly refused to provide information.

Value	Description
1	Responded to the DLHE survey
0	Did not respond to the DLHE survey

IPEMPRRDENOM

227. This field indicates whether the graduate is included in the denominator of the response rate calculation for the progression indicators.

Value	Description	Definition
1	The graduate is included in the denominator of the response rate calculation	IPEMPEXCL = 0
0	The graduate is not included in the denominator of the response rate calculation	Otherwise

IPEMPRRNUM

228. This field indicates whether the graduate is included in the numerator of the response rate calculation for the progression indicators.

Value	Description	Definition
1	The graduate is included in the numerator of the response rate calculation	IPEMPRESPONSE = 1 and IPEMPEXCL = 0
0	The graduate is not included in the numerator of the response rate calculation	Otherwise

IPEMPACT

229. This field shows the employment activity of a student and is calculated using exactly the same method as the HESA derived field XACTIV02 for the year in question (for 2010–11, XACTIV01 is used instead). For example, the full specification for 2016–17 can be found on HESA's website.[18]

IPEMPINDPOP

<div style="background-color:#F5A623; padding:10px;">

This is a key field

</div>

230. This field indicates whether the student is included in the population for the progression indicators.

Value	Description	Definition
1	Student is included in the population for the progression indicators	IPEMPEXCL = 0 and IPEMPACT in (01, 02, 03, 04, 05, 06, 07, 08, A, B, C, D, E, F)

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[18] See https://www.hesa.ac.uk/collection/c16018/derived-fields.

Value	Description	Definition
0	Student is not included in the population for the progression indicators	Otherwise

IPEMPIND

231. This field indicates the graduate's main activity as recorded in the DLHE.

Value	Description	Definition
WORK_HIGHSKILL	Highly skilled employment	(IPEMPACT in (01, 02, 03, A, B, C) or (IPEMPACT = D and (EMPCIR in (01, 03) or MODSTUDY = 2))) and IPEMPSOCDLHE* in (1, 2, 3)
WORK_OTHER	Non-highly skilled employment	(IPEMPACT in (01, 02, 03, A, B, C) or (IPEMPACT = D and ((MODSTUDY = 2 and EMPCIR in (01, 03) or (TYPEQUAL not in (01, 02, 03, 04) and (EMPCIR in (01, 03) or MODSTUDY = 2)))))) and not above
STUDY_PHD	Primarily studying (PhD and MPhil level study)	IPEMPACT in (04, 05, 06, D, E) and TYPEQUAL = 01 and not above
STUDY_PGT	Primarily studying (postgraduate taught level study)	IPEMPACT in (04, 05, 06, D, E) and TYPEQUAL = 02 and not above
STUDY_OPG	Primarily studying (other postgraduate level study)	IPEMPACT in (04, 05, 06, D, E) and TYPEQUAL = 03 and not above

Value	Description	Definition
STUDY_DEG	Primarily studying (first degree level study)	IPEMPACT in (04, 05, 06, D, E) and

TYPEQUAL = 04

and not above |
| STUDY_OTHER | Primarily studying (other level study) | IPEMPACT in (04, 05, 06, E) or

(EMPACT = D and

   EMPCIR in (02, 15))

and not above |
UNEMPLOYED	Unemployed or due to start work	IPEMPACT in (07, 08, F)
OTHER	Not available for work or study, or no information supplied	IPEMPACT in (09, G, O)
NOANSWER	Ineligibility or explicit refusal	Otherwise

* The first character of IPEMPSOCDLHE is used.

IPHSEMPHLSTUDY

This is a key field

232. This field indicates whether the graduate is included in the numerator of the progression indicators considering progression to highly skilled employment or study at a higher level than the qualification they had recently obtained.

Value	Description	Definition
1	Graduate is included in the numerator	IPEMPINDPOP = 1 and

((IPAWARDLEVEL = OUG and

   IPEMPIND in (WORK_HIGHSKILL, STUDY_PHD, STUDY_PGT, STUDY_OPG, STUDY_DEG)) or

  (IPAWARDLEVEL in (DEG, PUGD, PUGO) and

   IPEMPIND in (WORK_HIGHSKILL, STUDY_PHD, STUDY_PGT, STUDY_OPG)) or

  (IPAWARDLEVEL in (OPGT, OPGR, PGCE) and

   IPEMPIND in (WORK_HIGHSKILL, STUDY_PHD, STUDY_PGT)) or

  (IPAWARDLEVEL = PGTM and

   IPEMPIND in (WORK_HIGHSKILL, STUDY_PHD)) or

  (IPAWARDLEVEL = PHD and |

Value	Description	Definition
		IPEMPIND = WORK_HIGHSKILL))
0	Graduate is not included in the numerator	Otherwise

Note: For records taken from the 2010–11 ILR, HQ_MHESE (H14) is used instead of MODESTUD.

Annex A: Changes to this document since last publication

233. This annex details the changes between this document and 'Technical algorithms for institutional performance measures: 2021 core algorithms'[19].

234. Throughout this document, there may be minor changes to wording in order to clarify our derivation of each field, however these do not reflect genuine changes to the underlying calculation. The table below details the fields that have changed in their calculation or have been added or removed, along with the type of change and the description of the change.

Field	Type of change	Description of change
IPBASEID	Added field	Field added as an identifier for a student's study in the base year, for ease of use of individualised files.
IPEXCHIND	Removed field	Removed as this was an unnecessary field. This was a direct copy of the HESA Student Alternative field EXCHIND and was only used in the derivation of IPEXCHANGE.
IPHSEMPPGSTUDY	Removed field	Field not necessary for calculation of access and participation data resources.
IPANNIV	Change in definition	Now calculated for HESA Student and HESA Student Alternative records (IPSOURCE = HESASTU and HESASAR).
IPAWARDLEVELNUM	Change in definition	XQOBTN01 codes I00, I11, I12, I16 moved from level 5 to level 6.
IPENTQUALGRP	Change in definition	Addition of new QUALTYPEs for 2020-21 data.
IPETHNICDETAIL	Change in definition	Addition of new code for 2020-21 HESA Student data.
IPGRADECOMB	Change in definition	Addition of new QUALTYPEs for 2020-21 data.
IPLEVELNUM	Change in definition	COURSEAIM codes I00, I11, I12, I16 moved from level 5 to level 6, and now calculated for ILR records (IPSOURCE = ILR).
IPLOCPOSTCODE	Change in definition	Unknown location postcodes are now set to 'Unknown' instead of *BLANK*. There have been various refinements in calculation for students taught at a provider other than their registering provider.
IPSBJ_CAH2	Change in definition	For IPSOURCE = ILR, where LDCS codes are not available IPSBJ_CAH2 has been supplemented using Sector Subject Areas.
IPUKPRNTC	Change in definition	New calculations for IPSOURCE = HESASAR for 2020-21 onwards to utilise expanded underlying HESA Student Alternative data.

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[19] See www.officeforstudents.org.uk/publications/student-outcomes-and-teaching-excellence-consultations/.

235. In addition to the changes listed in detail above, the 'Supplementary and experimental fields' section has been removed from this document. The fields previously included in this section that do not appear in this document are not used in the calculation of access and participation data resources. Some of these fields are instead included in the 'Supporting information about constructing student outcome and experience indicators for use in OfS regulation: Core algorithms' document as part of the student outcome and experiences data indicators consultation[20].

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[20] See www.officeforstudents.org.uk/data-and-analysis/institutional-performance-measures/technical-documentation/.

Annex B: Fields not shown in the individualised files

236. Some of the fields described in this document cannot be included in the individualised files. Providers can be supplied with the data that they have submitted, but may not be able to view individualised data that is supplemented by data from sources such as the NPD due to data protection.

237. The table below lists which fields are not included in providers' individualised files for any year. This list does not include fields that are only available in certain years of individualised files.

Field
IPPRIORLEARNADJ
IPSTULOADCASE
IPTARIFF
IPTARIFF_HESA
IPTARIFF_LINKED
IPQUALENT3
IPQUALENT3_HESA
IPQUALENT3_LINKED
IPQUALENT2
IPQUALENT2_HESA
IPQUALENT2_LINKED
IPGRADECOMB
IPGRADECOMB_HESA
IPGRADECOMB_LINKED
IPENTQUALGRP
IPENTQUALGRP_HESA
IPENTQUALGRP_LINKED
IPTARGRP
IPTARGRP_HESA
IPTARGRP_LINKED
IPL3SOURCE
IPFSMPOP
IPFSMSTATE
IPCONVALIDMODE_YX

List of abbreviations

CAH	Common Aggregation Hierarchy
DfE	Department for Education
ESFA	Education and Skills Funding Agency
FHEQ	Framework for higher education qualifications
FPE	Full-person equivalent
FSM	Free school meals
FTE	Full-time equivalence
HECoS	Higher Education Classification of Subjects
HESA	Higher Education Statistics Agency
HNC	Higher National Certificate
HND	Higher National Diploma
ILR	Individualised Learner Record
IMD	Index of Multiple Deprivation
ITT	Initial teaching training
JACS	Joint Academic Coding System
LDCS	Learn Direct Class System
NPD	National Pupil Database
NVQ	National Vocational Qualification
OfS	Office for Students
ONC	Ordinary National Certificate
OND	Ordinary National Diploma
ONS	Office for National Statistics
PGCE	Postgraduate Certificate in Education
POLAR	Participation of local areas (classification)
SOC	Standard Occupational Classification
SQA	Scottish Qualifications Authority
TTWA	Travel to work area
UCAS	Universities and Colleges Admissions Service