Technical algorithms for student outcome and experience measures

Summer 2025 core algorithms

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Introduction

Purpose

1. The Office for Students (OfS) constructs and publishes a standard set of student outcome and experience data measures for use in our regulation. They inform our regulatory judgements for the following purposes:

   a. Regulating access and participation through registration condition A1.[1]

   b. Regulating student outcomes through registration condition B3, and for risk-based monitoring of quality and standards more generally.[2]

   c. Assessments through the Teaching Excellence Framework (TEF).[3]

2. We construct data indicators as numerical measures that help us to understand the outcomes and experiences that a provider delivers for its students at different stages of the student lifecycle in higher education. The same measures are also reported on as key performance measures for the OfS, and within sector-level analyses of student outcomes, experiences or student demographic groups:

   a. Access to higher education

   b. Continuation in, and completion of, the study of higher education qualifications

   c. Student views and perceptions of different aspects of their higher education experience

   d. Achievement and the awards made to higher education students at the end of their studies

   e. Progression into the labour market and other destinations after leaving higher education.

3. Student outcome and experience indicators are produced in the same way for each provider we regulate, using available national datasets and consistent definitions and approaches to data. They provide one part of the evidence used in our regulatory processes: any judgements that we make about a provider's performance will also take into account the context of that provider.

[1] The OfS registration conditions are described in the Regulatory framework for higher education in England, and its amendments, at https://www.officeforstudents.org.uk/publications/securing-student-success-regulatory-framework-for-higher-education-in-england.

[2] As set out in the revised ongoing conditions of registration B1, B2, B4 and B5, which came into effect from 1 May 2022.

[3] See regulatory advice 22: Guidance on the Teaching Excellence Framework 2023 at https://www.officeforstudents.org.uk/publications/regulatory-advice-22-guidance-on-the-teaching-excellence-framework-2023/.

4. We have published interactive data dashboards and associated data files which use data definitions and approaches that follow from our recent consultation on the construction of the student outcome and experience measures we use in OfS regulation.[4] To date, these include:

   a. The student outcomes data dashboard showing the measures of continuation, completion and progression outcomes used to inform our regulation of condition B3.[5]

   b. The TEF data dashboard showing the measures of student experience, and continuation, completion and progression outcomes that were used to inform TEF assessments undertaken in 2023.[6]

   c. An updated TEF dashboard with updated student outcome and experience measures, which may be used in future TEF assessments and to inform ongoing provider enhancement activity.[7]

   d. A data dashboard showing the sector distributions of student outcome and experience measures.[8]

   e. A data dashboard showing information about the size and shape of each provider's student population.[9]

   f. The access and participation data dashboard.[10]

   g. The subcontractual partnership student outcomes dashboard showing the measures of continuation, completion and progression outcomes by lead provider and delivery partner.[11]

   h. Data resources showing information about the size and shape of the student population for subcontractual partnerships by lead provider and delivery partner.

5. We expect to update each of the data resources listed in paragraph 4 with the most recent data as it becomes available. This means that we may publish one or more updates each year, typically as follows:

[4] See https://www.officeforstudents.org.uk/publications/student-outcomes-and-teaching-excellence-consultations/outcome-and-experience-data.

[5] See https://www.officeforstudents.org.uk/data-and-analysis/student-outcomes-data-dashboard/.

[6] See https://www.officeforstudents.org.uk/data-and-analysis/data-used-in-tef-2023/.

[7] See https://www.officeforstudents.org.uk/data-and-analysis/tef-data-dashboard/.

[8] See https://www.officeforstudents.org.uk/data-and-analysis/sector-distribution-of-student-outcomes-and-experience-measures-data-dashboard/.

[9] See https://www.officeforstudents.org.uk/data-and-analysis/size-and-shape-of-provision-data-dashboard/.

[10] See https://www.officeforstudents.org.uk/data-and-analysis/access-and-participation-data-dashboard/.

[11] See https://www.officeforstudents.org.uk/data-and-analysis/subcontractual-partnership-student-outcomes-dashboard/.

Data resources	Anticipated update schedule
Student outcomes	Update continuation and completion measures in spring to incorporate the most recent Designated Data Body (DDB) Student return and Individualised Learner Record (ILR) student record used in their construction. Update progression measures in summer to incorporate the most recent Graduate Outcomes survey responses used in their construction.
Sector distributions	Update continuation and completion measures in spring to incorporate the most recent Designated Data Body (DDB) Student return and Individualised Learner Record (ILR) student record used in their construction. Update progression measures in summer to incorporate the most recent Graduate Outcomes survey responses used in their construction. Update student experience measures in autumn to incorporate the most recent National Student Survey responses used in their construction.
Size and shape	Update in spring to incorporate the most recent Designated Data Body (DDB) Student return and Individualised Learner Record (ILR) student record used in the construction of size and shape of provision data.
Access and participation	Update access, continuation, completion and achievement measures in spring to incorporate the most recent Designated Data Body (DDB) Student return and Individualised Learner Record (ILR) student record used in their construction. Update progression measures in summer to incorporate the most recent Graduate Outcomes survey responses used in their construction.
TEF	Update continuation, completion, progression and student experience measures in summer/autumn once all contributing data sources are available.
Subcontractual partnership student outcomes	Update continuation, completion and progression measures in summer or autumn once all contributing data sources are available.
Subcontractual partnership size and shape	Update in spring to incorporate the most recent DDB and ILR student records used in the construction of size and shape of provision data.

6. This document sets out the data definitions we use to construct student outcome and experience measures that we have published, or expect to publish, during 2025. It does so on the basis of their formulation as algorithms that can be applied to individualised student records collected annually by the Designated Data Body (DDB) or the Department for Education (DfE).[12] In doing this, it covers algorithms that underpin the calculation of all of the

[12] Following the closure of the Education and Skills Funding Agency on 31 March 2025, its functions have been transferred to the DfE including the collection of the ILR.

data indicators listed in paragraph 2 and which cover student outcomes and experiences at all of the different stages of the student lifecycle in higher education.

7. As a consequence of the OfS changing its technology base, we have taken the opportunity to refine some of the implementation of algorithms, particularly for ABCS and GO quintiles. This might mean changes in some of our student outcomes data, as we have improved the processing of the data.

Who is this document for?

8. This document is intended to aid providers and other users of our student outcome and experience measures to understand the definitions and approaches we have used in our publication of the interactive data dashboards described in paragraph 4. It sets out the categorisations applied to individualised student data returns in algorithm form and details how we use these to construct the student outcome and experience data indicators listed in paragraph 2. It is aimed at readers with in-depth knowledge of the DDB's Student record (and legacy data collections) or the Individualised Learner Record (ILR) student data.

9. You should be aware that not all of the algorithms in this document are relevant to the student outcome and experience measures produced for all of our regulatory purposes. In particular, some algorithms relate to student characteristics which are relevant only to their use in the access and participation data dashboard and play no role in the measures we produce for the regulation of student outcomes or the TEF.

Guidance for using this document

10. The algorithms described in this document are applied to the 2010-11 to 2023-24 individualised student records collected annually by the Designated Data Body (DDB) or the Department for Education (DfE). When using this document, you are advised to refer to the following, for whichever source is relevant to your provider:

    a. The Student Record Coding Manual (23056 and 22056) return available at https://www.hesa.ac.uk/collection/23056.

    b. 'HESA Student Record Coding Manual 2021-22' and prior years (CXX051)

    c. 'HESA Student Alternative Record coding Manual 2021-22' and prior years (CXX054)

    d. 'Specification of the Individualised Learner Record for 2023 to 2024' and prior years.

11. Individualised student data files are supplied to higher education providers via the OfS portal. These contain data relating to a provider's own students and show how they have been categorised according to the algorithms defined in this document. Annex A lists which fields are included in the individualised files.

12. When used in combination with the individualised data files we have released to each provider, 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. The availability of both the algorithms and the individualised data files is intended to support higher education providers to understand our approach to calculating

student outcome and experience measures and for reporting on various characteristics of students, higher education provision and student outcomes.

13. 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 in the contents page.

14. This document provides a comprehensive technical specification for creating the student lifecycle indicators. Often, many fields are needed as building blocks in order to create the indicators. Please see the table below to navigate to the key fields that are used directly in creating the indicators.

Key field
IPBASEYEAR
IPUKPRNRC
IPUKPRNTC
IPCOUNTRY
IPLEVELNUM
IPLEVEL
IPAWARDLEVEL
IPAWARDBOD
IPHTQ
IPCRSELGTHGRP
IPSTARTMODE
IPFOUNDYEAR
IPSANDWICH
IPSBJ_CAH2
SUBWT
IPINTERCALATE
IPINTSBJ_CAH2
IPSTARTAGE
IPSTARTAGEBAND
IPSEX
IPDISABLETYPE
IPDISABLE
IPETHNIC
IPSEC
IPSEXORT
IPDOM
IPPOLAR4
IPTUNDRALOOKUP

Key field
IPIMDNATION
IPACCABCS, IPCONABCS, IPCOMPABCS and IPPROGABCS
IPDL
IPSTUDYLOCTYPE
IPHECAT
IPAYDUP
IPCONTEXTPOP
DFAPAPPEXCL
IPENTQUALBROAD
IPFSMPOP
IPFSMSTATE
IPENTRANTEXCL
IPACCEXCL
IPCONINDFULL_YX
IPNSSRESRATEEXCL
IPNSSRESPONSE
IPNSSINDEXCL
IPNSSRESPQ[theme], IPNSSPOSITIVEQ[theme] and IPNSSNEGATIVEQ[theme]
IPDODEGCLASS
IPDOQUALPOP
IPEMPEXCL
IPEMPRRNUM
IPEMPINDPOP
IPEMPINDNUM
IPGOQUINTILE

Related guidance

15. The information provided in this document supplements guidance about our regulatory approaches. It is one of a series of technical documents that provide details of the definitions and methods that we use to construct student outcome and experience indicators. You may want to consider this document alongside the following guidance document(s) and resources in particular:

    a. Regulatory notice 1: Access and participation plan guidance[13]

[13] See https://www.officeforstudents.org.uk/publications/regulatory-notice-1-access-and-participation-plan-guidance.

b. Regulatory advice 20: Regulating student outcomes[14]

c. Regulatory advice 22: Guidance on the Teaching Excellence Framework 2023[15]

16. We have published dashboard user guides within and alongside each of our interactive data dashboards, as well as a series of frequently asked questions. These resources are intended to support users to navigate and interact with the data dashboards efficiently and effectively. The explanations they include are consistent with those given in this document and readers who have some familiarity with the data definitions may find it helpful to engage with those explanations in the immediate context of the dashboard in question.

17. To understand their own student data, we have released data resources to providers, including individualised student data files and workbooks showing data and indicators at provider level. We have also published a description of our measures and the methods used to construct and present them, instructions for rebuilding our indicators from individualised student data, and the sector average outcomes that are used in benchmarking calculations.[16] Readers seeking an in-depth understanding may wish to consider these resources when reading through this document.

Enquires and feedback

18. For enquiries regarding the definitions and methods described in this document, and to give feedback, contact providermetrics@officeforstudents.org.uk.

[14] See https://www.officeforstudents.org.uk/publications/regulatory-advice-20-regulating-student-outcomes.

[15] See https://www.officeforstudents.org.uk/publications/regulatory-advice-22-guidance-on-the-teaching-excellence-framework-2023/.

[16] See https://www.officeforstudents.org.uk/data-and-analysis/student-outcome-and-experience-measures/documentation.

Fields used to describe the data structure

IPSOURCE

19. This field indicates whether the record is taken from the DDB's Student record (XX056), legacy Student record (CXX051) or legacy Student Alternative record (CXX054), or the ILR.[17]

20. 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
DDB	Record is taken from the DDB's Student (XX056) record (2022-23 onwards)
HESASTU	Record is taken from the legacy HESA Student (CXX051) record (prior to 2022-23)
HESASAR	Record is taken from the legacy HESA Student Alternative (CXX054) record (2014-15 to 2021-22)
ILR	Record is taken from the ILR

IPBASEYEAR

This is a key field

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

22. Where an algorithm refers to 20YY, this is equivalent to IPBASEYEAR.

IPRECID

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

[17] HESA's legal status as the higher education sector's designated data body (DDB) for England transferred to Jisc in October 2022 following the merger of these two sector bodies. The DDB's legacy data collections (for years up to and including 2021-22), the Student record (CXX051) and Student Alternative record (CXX054), are referred to as the HESA Student and HESA Student Alternative record in the definition of IPSOURCE because this naming convention represents the majority of the time series implicated through this document.

Fields used to describe the nature of the study undertaken

IPUKPRNRC

This is a key field

24. 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 - for each data release, the cut-off date for changes to provider status to be considered is included within our instructions for rebuilding indicators from individualised student data.[18]

IPUKPRNTC

This is a key field

25. 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 26 to 36. The value of IPUKPRNTC will take into account whether a provider was involved in a merger - for each data release, the cut-off date for changes to provider status to be considered is included within our instructions for rebuilding indicators from individualised student data.[19]

26. Where no valid UKPRN can be identified for the teaching provider, IPUKPRNTC is set to Unknown.

IPSOURCE = DDB

27. For providers in England where venue data exists:

    a. For each VenueUKPRN associated with a student course session, we sum the STUDYPROPORTION across all associated VENUEIDs. Where there is more than one student course session associated with the engagement in the academic year, we use RPSTULOAD to weight the summed STUDYPROPORTION across the student course sessions.

    b. Then IPUKPRNTC is set as the VenueUKPRN with the greatest summed STUDYPROPORTION in the academic year. Where there is more than one student course

[18] See https://www.officeforstudents.org.uk/data-and-analysis/student-outcome-and-experience-measures/documentation.

[19] See https://www.officeforstudents.org.uk/data-and-analysis/student-outcome-and-experience-measures/documentation.

session associated with the engagement in the academic year, this is the sum of the weighted values described above.

c. In the event of a tie between the registering provider and another teaching provider, IPUKPRNTC is set as the UKPRN of the registering provider. If there is a tie between teaching providers who are not the registering provider, IPUKPRNTC is set to Unknown.

28. For providers in Scotland, Wales and Northern Ireland where module data exists:

a. We consider the teaching provider of each module where INACTIVEMOD ≠ 01, MODINSTSTARTDATE < 1 August 20YY+1, and (MODINSTENDDATE > 31 July 20YY or MODINSTENDDATE=BLANK). Where a module (identified by MODID) is reported multiple times for the same engagement in the academic year (across two student course sessions, for example), we deduplicate to avoid double-counting.

b. Then, for each teaching provider (as indicated by MDRHESAID for each module), we calculate the sum of FTE × (MDRPROPORTION/100) across all module instances in the academic year for the engagement of study. Where a module instance has no associated module delivery role (MDRHESAID), the teaching provider of the module is attributed to the reporting provider.

c. IPUKPRNTC is set as the MDRHESAID with the greatest summed FTE across all module instances. In the event of a tie between the registering provider and another teaching provider, IPUKPRNTC is set as the UKPRN of the registering provider. If there is a tie between teaching providers who are not the registering provider, IPUKPRNTC is set to Unknown.

29. For providers in England where venue data does not exist, or providers in Scotland, Wales and Northern Ireland where module data does not exist:

a. IPUKPRNTC is set as the COURSEROLEHESAID with the greatest CRPROPORTION among reported COURSEROLEHESAIDs with ROLETYPE=202. Where CRPROPORTION does not sum to 100 for all reported COURSEROLEHESAIDs with ROLETYPE=202, the remaining proportion is attributed to the reporting provider.

b. In the event of a tie between the registering provider and another teaching provider, IPUKPRNTC is set as the UKPRN of the registering provider. If there is a tie between teaching providers who are not the registering provider, IPUKPRNTC is set to Unknown.

30. Where we have no student course session for the engagement in the academic year (for dormant students), IPUKPRNTC is set as the UKPRN of the registering provider.

IPSOURCE = HESASTU

31. 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

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

33. 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.

34. 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

35. 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.

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

IPCOUNTRY

This is a key field

37. 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

Value	Description	Definition
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 = DDB

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

IPSOURCE = HESASTU or HESASAR

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

IPSOURCE = ILR

40. 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.

IPANNIV

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

IPANNIV15

42. This field contains the anniversary of the day that is 15 days after IPCOMDATE, such that it lies within the current academic year.

IPPLANENDDATE

IPSOURCE = HESASTU or HESASAR or DDB

43. This field is not calculated.

IPSOURCE = ILR

44. 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 = DDB

45. This field shows the end date of the engagement. End dates that are after the end of the academic year are set as blank.

Value	Definition
BLANK	ENGENDDATE > 31 July 20YY+1
ENGENDDATE	Otherwise

IPSOURCE = HESASTU or HESASAR

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

IPSOURCE = ILR

47. 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

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

IPSOURCE = DDB

Value	Description	Definition
1	The student has at least one instance of a 'Dentistry', 'Pre-clinical dentistry' or 'Clinical dentistry' programme of study	At least one value of IPHECOS 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 = 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

49. This field is not calculated.

IPLEVELNUM

This is a key field

50. This field gives the level of study according to the sector-recognised standards relating to the OfS' ongoing condition of registration B5 and initial condition B8, available at https://www.officeforstudents.org.uk/publications/securing-student-success-regulatory-framework-for-higher-education-in-england. This also aligns with FHEQ and NVQ levels.

IPSOURCE = DDB

Value	Description	Definition
8	Doctoral degree	Z_LEVEL in (D0003, D0004, E0000, E0001, E0002, E0003, E0004, L0000)
7	Masters' degree, postgraduate diplomas, postgraduate certificates	Z_LEVEL in (L0001, L0002, L0003, D0005, M0002, M0003, M0004, M0006, M0007, M0008, M0009, M0010, M0011, M0012, M0013, M0015, M0016, M0017, M0018, M0020, M0021, M0022, M0023, M0024, E0005)
6	Bachelors' degrees, graduate certificates and diplomas	Z_LEVEL in (H0003, H0004, H0005, H0006, H0007, H0008, H0009, H0010, H0012, H0013, H0014, H0015, H0016, H0018, H0019, H0020, I0001)
5	Foundation degrees, diplomas of higher education and other higher diplomas	Z_LEVEL in (I0002, I0004, I0005, I0006, I0007, I0008, I0009, I0010, I0012, I0013, J0000, J0001, J0002, J0003, J0004, J0005, J0006, J0007, J0010, J0011, J0012)
4	Certificates of higher education	Z_LEVEL in (C0000, C0001, C0002, C0003, C0004, C0005, C0006, C0007, C0008, C0009)
Value of IPAWARDLEVELNUM	Level taken from qualification awarded as level of qualification aim is not known	Z_LEVEL = Z9 and IPAWARDLEVELNUM ≠ *BLANK*
BLANK	Not applicable	Otherwise

Note: Blank values may result where no student course session was reported for the engagement in the academic year, a qualification aim could not be mapped from the previous academic year, and there was no qualification awarded.

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, HIGHER)
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)
BLANK	Not applicable to higher education qualifications framework	Otherwise

IPOFSQAIM

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

IPSOURCE = DDB

52. The values of CURACCID are taken from the latest student course session associated with the engagement in the current academic year.

Value	Description	Definition
PHD	PhD and MPhil	Z_LEVEL in (D0003, L0000)
OTHL7_Q_R	Other Level 7 research-based qualification	Z_LEVEL in (L0001)
MASTER	Masters'	Z_LEVEL in (M0003, M0004, M0006, M0007)
PGCE	PGCE and other postgraduate initial teacher training (ITT)	Z_LEVEL in (H0013, M0016)
DTLLS_PG	Postgraduate diploma in teaching in the lifelong learning sector	Z_LEVEL = M0020
PGCERT	Postgraduate certificate	Z_LEVEL = M0012
PGDIP	Postgraduate diploma	Z_LEVEL = M0009
PROCONGRAD	Professional, conversion and other graduate entry programmes	Z_LEVEL in (H0009, H0010, H0014, I0002, I0005, I0006, I0007) or (Z_LEVEL in (H0016, I0010) and PREREQUISITE = 02)
ENHANCED	Enhanced first degree (or integrated masters)	Z_LEVEL in (H0004, M0002)
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	Z_LEVEL in (H0003, H0005, I0001) and ((at least one value of CURACCID in (05901, 12001, 05803) where (CURACCVALIDFROM < SCSENDATE or SCSENDDATE = *BLANK*) and (CURACCVALIDTO ≥ SCSSTARTDATE or CURACCVALIDTO = *BLANK*)) or (IPDENT = 1 and at least one value of CURACCID = 05802 where (CURACCVALIDFROM < SCSENDATE or SCSENDDATE = *BLANK*) and (CURACCVALIDTO ≥ SCSSTARTDATE or CURACCVALIDTO = *BLANK*)))
FIRST	First degree	Z_LEVEL in (H0003, H0005, I0001) and not above

Value	Description	Definition
CTLLS	Certificate in teaching in the lifelong learning sector	Z_LEVEL = C0006
DET	Diploma in Education and Training	Z_LEVEL = I0008
DIPHE	Diploma of Higher Education (DipHE)	Z_LEVEL = J0002
DTLLS	Diploma in teaching in the lifelong learning sector	Z_LEVEL in (H0015, I0009)
FOUDEG	Foundation degree	Z_LEVEL in (J0000, J0001)
HIGHCERT	Higher certificate	Z_LEVEL = C0000
HNC	Higher national certificate	Z_LEVEL = C0001
HND	Higher national diploma	Z_LEVEL = J0003
PTLLS	Preparing to teach in the lifelong learning sector	Z_LEVEL = C0005
OTHL[X]_Q	Other Level X qualification, where X is the level indicated by IPLEVELNUM	Z_LEVEL in (C0002, C0003, C0004, C0007, C0009, E0000, E0001, E0002, E0004, H0006, H0007, H0008, H0012, H0019, I0004, J0004, J0005, J0006, J0007, J0010, J0012, M0008, M0010, M0011, M0013, M0015, M0017, M0018, M0021, M0023) or (Z_LEVEL in (H0016, I0010) and PREREQUISITE ≠ 02)
OTHL[X]_U	Other Level X unit, where X is the level indicated by IPLEVELNUM	Z_LEVEL in (C0008, D0004, D0005, E0003, E0005, H0018, H0020, I0012, I0013, J0011, L0002, L0003, M0022, M0024)
FE	Further education course	Z_LEVEL = P0002
Value of IPAWARD_DETAIL	Value taken from qualification awarded as level of qualification aim is not known	Z_LEVEL = Z9 and IPAWARD_DETAIL not in (*BLANK*, FE, NA, NONE)
NA	Not applicable or not known	Z_LEVEL = Z9 and not above

Note: NA values may result where no student course session was reported for the engagement in the academic year, a qualification aim could not be mapped from the previous academic year, and no qualification has been awarded.

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)

Value	Description	Definition
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
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

Value	Description	Definition
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 (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))

Value	Description	Definition
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))
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

Value	Description	Definition
		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 LEARNAIMREF not in (00304787, 00304789) 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 LEARNAIMREF not in (00304787, 00304789) 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) or NVQ_LV in (4, 5, H))

Value	Description	Definition
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))
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) and not above

Value	Description	Definition
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
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
NA	Not applicable as aim is a programme aim	LEARNAIMREF = ZPROG001

Value	Description	Definition
FE	Further education course	Otherwise

Note: LEARNAIMREFTYPE appears as QUAL_TYP in individualised files given to providers.

IPOFSFUNDAIM

IPSOURCE = HESASTU or HESASAR or DDB

53. This field is not calculated.

IPSOURCE = ILR

54. This field indicates whether a learning aim meets the definition of recognised higher education for OfS funding purposes, as per paragraphs 1-2 of Annex B of 'HESES24 - Higher Education Students Early Statistics Survey 2024-25' (https://www.officeforstudents.org.uk/publications/heses24/).

55. For a full definition of this field please refer to '2023-24 ILR data checking tool: Classifying learning aims technical document' available at https://www.officeforstudents.org.uk/data-and-analysis/data-checking-tool/2023-24-ilr-data-checking-tool/ .

56. The definition of recognised higher education for OfS funding purposes was introduced from the academic year 2018-19. For earlier years, this field indicates where a learning aim would have met this definition.

57. This field is calculated for years 2017-18 onwards.

IPLEVEL

This is a key field

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

59. For ILR records, learning aims which refer to a class code are categorised as studying for higher education credit rather than a higher education qualification.

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)

Value	Description	Definition
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

IPLEVELBROAD

60. This field allocates course and qualification aims to a broad level of study.

Value	Description	Definition
UG	Undergraduate	IPLEVEL in (DEG, OUG, UGCREDIT, UGUNSPEC, PUGD)
PGT	Postgraduate taught level	IPLEVEL in (PGTM, PGCE, OPGT, PUGO, PGUNSPEC, PGCREDIT)
PGR	Postgraduate research level	IPLEVEL in (PHD, OPGR)
NA	Further education level or otherwise not applicable broad level	Otherwise

IPAWARDLEVELNUM

61. This field gives the FHEQ level of study of the qualification awarded to the student during the reporting year according to the sector-recognised standards relating to the OfS' ongoing condition of registration B5 and initial condition B8, available at https://www.officeforstudents.org.uk/publications/securing-student-success-regulatory-framework-for-higher-education-in-england. This also aligns with FHEQ and NVQ levels.

IPSOURCE = DDB

Value	Description	Definition
8	Doctoral degree	Z_QLEVEL_CYC in (D0003, D0004, E0000, E0001, E0002, E0003, E0004, L0000)
7	Masters' degree, postgraduate diplomas, postgraduate certificates	Z_QLEVEL_CYC in (L0001, L0002, M0002, M0003, M0004, M0006, M0007, M0008, M0009, M0010, M0011, M0012, M0013, M0015, M0016, M0017, M0018, M0020, M0021, M0022, M0023)
6	Bachelors' degrees, graduate certificates and diplomas	Z_QLEVEL_CYC in (H0003, H0004, H0005, H0006, H0007, H0008, H0009, H0010, H0012, H0013, H0014, H0015, H0016, H0018, H0019, I0001)
5	Foundation degrees, diplomas of higher education and other higher diplomas	Z_QLEVEL_CYC in (I0002, I0004, I0005, I0006, I0007, I0008, I0009, I0010, I0012, J0000, J0001, J0002, J0003, J0004, J0005, J0006, J0007, J0010, J0011, J0012)
4	Certificates of higher education	Z_QLEVEL_CYC in (C0000, C0001, C0002, C0003, C0004, C0005, C0006, C0007, C0008, C0009)
BLANK	No qualification awarded or qualification not applicable to higher education qualifications framework	Otherwise

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

62. This field is not calculated.

IPAWARD_DETAIL

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

IPSOURCE = DDB

Value	Description	Definition
CTLLS	Certificate in teaching in the lifelong learning sector	Z_QLEVEL_CYC = C0006
DET	Diploma in education and training	Z_QLEVEL_CYC = I0008
DIPHE	DipHE	Z_QLEVEL_CYC = J0002
DTLLS	Diploma in teaching in the lifelong learning sector	Z_QLEVEL_CYC in (H0015, I0009)
DTLLS_PG	Postgraduate diploma in teaching in the lifelong learning sector	Z_QLEVEL_CYC = M0020
ENHANCED	Enhanced first degree (or integrated masters)	Z_QLEVEL_CYC in (H0004, M0002)
FIRST	First degree	Z_QLEVEL_CYC in (H0003, H0005, I0001) and not MEDVETDENT
FOUDEG	Foundation degree	Z_QLEVEL_CYC in (J0000, J0001)
HIGHCERT	Higher certificate	Z_QLEVEL_CYC = C0000
HNC	Higher National Certificate	Z_QLEVEL_CYC = C0001
HND	Higher National Diploma	Z_QLEVEL_CYC = J0003
MASTER	Masters'	Z_QLEVEL_CYC in (M0003, M0004, M0006, M0007)
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	Z_QLEVEL_CYC in (H0003, H0005, I0001) and at least one value of QUALAWARDACCID in (05901, 12001, 05803) where Z_QAWARDHMRK_CYC = 1
OTHL[X]_Q	Other Level X qualification, where X is the level as indicated by IPAWARDLEVELNUM	Z_QLEVEL_CYC in (C0002, C0003, C0004, C0007, C0009, E0000, E0001, E0002, E0004, H0006, H0007, H0008, H0012, H0019, I0004, J0004, J0005, J0006, J0007, J0010, J0012, M0008, M0010, M0011, M0013, M0015, M0017, M0018, M0021, M0023) or (Z_QLEVEL_CYC in (H0016, I0010) and PREREQUISITE ≠ 02)
OTHL[X]_U	Other Level X unit, where X is the level as indicated by IPAWARDLEVELNUM	Z_QLEVEL_CYC in (C0008, D0004, E0003, H0018, I0012, J0011, L0002, M0022)
OTHL7_Q_R	Other Level 7 research-based qualification	Z_QLEVEL_CYC = L0001

Value	Description	Definition
PGCE	PGCE and other postgraduate initial teacher training (ITT)	Z_QLEVEL_CYC in (H0013, M0016)
PGCERT	Postgraduate certificate	Z_QLEVEL_CYC = M0012
PGDIP	Postgraduate diploma	Z_QLEVEL_CYC = M0009
PHD	PhD and MPhil	Z_QLEVEL_CYC in (D0003, L0000)
PROCONGRAD	Professional, conversion and other graduate entry programmes	Z_QLEVEL_CYC in (H0009, H0010, H0014, I0002, I0005, I0006, I0007) or (Z_QLEVEL_CYC in (H0016, I0010) and PREREQUISITE = 02)
PTLLS	Preparing to teach in the lifelong learning sector	Z_QLEVEL_CYC = C0005
NONE	No qualification	Z_QLEVEL_CYC = Z9
FE	Not higher education	Z_QLEVEL_CYC = P0002

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
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	XQOBTN01 in (I16, H16) and (REGBODY in (01, 14, 30) or REGBODY1 in (01, 14, 30) or

Value	Description	Definition
	Dentistry Council (as a dentist) or the Royal College of Veterinary Surgeons	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)
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

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

IPAWARDLEVEL

This is a key field

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

66. For ILR records, learning aims which refer to a class code are categorised as awards of higher education credit rather than a higher education qualification.

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, NA)
FE	Not higher education	IPAWARD_DETAIL = FE

IPAWARDLEVELBROAD

67. This field allocates the qualification awarded to the student during the base year to a broad grouping.

Value	Description	Definition
UG	Undergraduate	IPAWARDLEVEL in (DEG, OUG, UGCREDIT, PUGD)
PGT	Postgraduate taught level	IPAWARDLEVEL in (PGTM, PGCE, OPGT, PUGO, PGCREDIT)
PGR	Postgraduate research level	IPAWARDLEVEL in (PHD, OPGR)
NA	Further education level or otherwise not applicable broad level	Otherwise

IPAWARDBOD

This is a key field

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

IPSOURCE = DDB

Value	Description	Definition
OTHER	Other awarding body	Z_AWARDBOD=01
NA	Not applicable or not known	Z_AWARDBOD=Z9
Value of Z_AWARDBOD	Value of Z_AWARDBOD	Otherwise

IPSOURCE = HESASTU

69. 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

70. 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

71. 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.

72. 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)

Value	Description	Definition
		and not above
OTHER	Other awarding body	Otherwise

73. 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 70.

IPSOURCE = ILR

74. 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.

IPAPPRENTICE

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

IPSOURCE = DDB

Value	Description	Definition
1	The student is studying on an apprenticeship at any level	At least one value of student initiative, STUINITID, in (004, 020) or In the latest student course session, at least one value of course initiative, COURSEINITID, in (004, 020) where (COURSEINITVALIDFROM < SCSENDDATE or SCSENDDATE = *BLANK*) and (COURSEINITVALIDTO ≥ SCSSTARTDATE or COURSEINITVALIDTO = *BLANK*)
0	The student is not studying on an apprenticeship	Otherwise

IPSOURCE = HESASTU

76. 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))

Value	Description	Definition
0	The student is not studying on an apprenticeship	Otherwise

IPSOURCE = HESASAR

77. 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

78. 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 (2, 3, 10, 20, 21, 22, 23, 25)
0	The student is not studying on an apprenticeship	Otherwise

IPHTQ

This is a key field

79. This field indicates whether the student is studying for a higher technical qualification (HTQ).

IPSOURCE = DDB

Value	Description	Definition
1	The student is studying on a course categorised as a higher technical qualification	In the latest student course session, at least one value of course initiative, COURSEINITID = 035, where (COURSEINITVALIDFROM < SCSENDDATE or SCSENDDATE = *BLANK*) and

Value	Description	Definition
		(COURSEINITVALIDTO >= SCSSTARTDATE or COURSEINITVALIDTO = *BLANK*)
0	The student is not studying on a course categorised as a higher technical qualification	Otherwise

Note: COURSEINITID = 035 was added as valid value for the 2023-24 Student return. For 2022-23, this field will be set to 0.

IPSOURCE - HESASTU or HESASAR

80. This field is set to 0.

IPSOURCE = ILR

81. This field is calculated for years 2022-23 onwards. For earlier years IPHTQ is set to 0.

Value	Description	Definition
1	The student is studying on a course categorised as a higher technical qualification	Student is studying on a learning aim where LearningDeliveryCategory = 55 at the point when the student started on the learning aim (based on OrigLearnStartDate, or IPCOMDATE if OrigLearnStartDate is BLANK).
0	The student is not studying on a course categorised as a higher technical qualification	Otherwise

IPCRSELGTH

82. This field contains the number of years that the qualification aim is expected to last. Expected course lengths greater than a whole number of years and two weeks are rounded up to the nearest whole number of years, except where the expected course length is less than 24 weeks in total – such expected course lengths are rounded down to zero. For example, an expected course length that is one year and three weeks will be rounded up to two years. An expected course length of 23 weeks will be rounded down to zero. Expected course lengths less than a whole number of years and two weeks are rounded down to the nearest whole number of years. For example, an expected course length that is one year and one week will be rounded down to one year.

IPSOURCE = DDB

83. The expected course length is the value of Z_EXPECTTOLENDAY. This expected length is rounded to a whole number of years, as described above, to give the value of IPCRSELGTH.

IPSOURCE = HESASTU or HESASAR

84. 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

85. 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.

IPCRSELGTHGRP

This is a key field

86. This field groups the expected course length for use in benchmarking.

Value	Description	Definition
<1	Expected course length is less than one year	IPCRSELGTH = 0
1	Expected course length is one year	IPCRSELGTH = 1
2	Expected course length is two years	IPCRSELGTH = 2
3+	Expected course length is three years or more, or not applicable	Otherwise

IPDAYSSTUDIED

87. This field contains the number of days between the start date in the student's entrant year and the end date of their study. It is calculated for entrant records, identified by IPENTRANTEXCL = 0, and equals the difference between the student's start date (IPCOMDATE) and the earliest reported end date (IPACTENDDATE) across all records associated with the student's instance of study, as determined by IPINSTANCEID. Records with IPINSTANCEEXCL_PREENTROW = 1 are excluded from the earliest reported end date calculation. If no end date is available for the student instance, this field is not calculated.

IPMODE

88. This field allocates students to a mode of study in the base year.

IPSOURCE = DDB

Value	Description	Definition
WUPFT	Writing up (previously full-time)	Z_MODEGRP2 in (01, 02) and Z_STATUSEND = 04 and Z_ACT_CYC = 1
WUPPT	Writing up (previously part-time)	Z_MODEGRP2 = 03 and Z_STATUSEND = 04 and Z_ACT_CYC = 1

Value	Description	Definition
		and not above
APPR	Apprenticeship	IPAPPRENTICE = 1 and Z_MODEGRP2 in (01, 02, 03) and Z_ACT_CYC = 1 and not above
FT	Full-time	Z_MODEGRP2 in (01, 02) and Z_ACT_CYC = 1 and not above
PT	Part-time	Z_MODEGRP2 = 03 and Z_ACT_CYC = 1 and not above
OTH	Other	Otherwise

IPSOURCE = HESASTU

Value	Description	Definition
APPR	Apprenticeship	IPAPPRENTICE = 1 and XMODE01 in (1, 2, 3)
FT	Full-time	XMODE01 in (1, 2) and not above
PT	Part-time	XMODE01 = 3 and not above
WUPFT	Writing up (previously full-time)	XMODE01 = 4 and MODE = 43 and not above
WUPPT	Writing up (previously part-time)	XMODE01 = 4 and MODE = 44 and not above
OTH	Other	Otherwise

IPSOURCE = HESASAR

Value	Description	Definition
APPR	Apprenticeship	IPAPPRENTICE = 1 and

Value	Description	Definition
		XMODE02 in (1, 2, 3) and XINACT01 = 0
FT	Full-time	XMODE02 in (1, 2) and XINACT01 = 0 and not above
PT	Part-time	XMODE02 = 3 and XINACT01 = 0 and not above
WUPFT	Writing up (previously full-time)	XMODE02 = 4 and MODE = 43 and XINACT01 = 0 and not above
WUPPT	Writing up (previously part-time)	XMODE02 = 4 and MODE = 44 and XINACT01 = 0 and not above
OTH	Other	Otherwise

IPSOURCE = ILR

Value	Description	Definition
APPR	Apprenticeship	IPAPPRENTICE = 1
FT	Full-time	MODESTUD in (1, 2) or (MODESTUD in (99, *BLANK*) and (IPCRSELGTH = 1 or (IPCRSELGTH ≥ 1 and ((IPCRSELGTH ≤ 2 and IPOFSQAIM in (HIGHER, FIRST, FOUDEG, DIPHE, HND)) or (IPCRSELGTH ≤ 3 and IPOFSQAIM in (HIGHER, FIRST)) or (IPCRSELGTH ≤ 4 and

Value	Description	Definition
		IPOFSQAIM = ENHANCED))))) and not above
PT	Part-time	Otherwise

IPSUBSTMODE

89. This field allocates the substantive mode of study across an instance. This takes into account all modes present across an instance, up to the latest base year available, and assigns the substantive mode based on the mode most studied. It uses instance linking, described in paragraphs 251 – 277, to look across all years of an instance.

90. For example, if an instance has mode part-time in 2009-10, part-time in 2010-11 and full-time in 2011-12 then the substantive mode of study would be part-time.

91. Not applicable (NA) is assigned when a substantive mode of study cannot be determined, either because study is split evenly across two or more modes or because the given start/end dates of the instance of study cannot be reconciled with the base year it is recorded in.

Value	Description
FT	Full-time
PT	Part-time
APPR	Apprenticeship
WUP	Writing up
OTH	Other
NA	Not applicable, substantive mode of study cannot be determined

IPSTARTMODE

This is a key field

92. This field allocates students to a starting mode of study. The starting mode is calculated based on information from the earliest record associated with the student's instance of study.

93. Instance linking, described in paragraphs 251 – 277, is used to calculate this field. IPSTARTMODE is calculated for each instance of study by applying the algorithms described in the following paragraphs to the earliest record associated with the instance. The earliest record is defined as the record found in the earliest available year of data after excluding records with IPINSTANCEEXCL_PREENTROW = 1. All records associated with an instance will have the same value of IPINSTANCEID and are assigned the same value of IPSTARTMODE.

94. The earliest year of data used to calculate this field is data from the 2009-10 academic year. For instances that started before the 2009-10 academic year, IPSTARTMODE is based on the earliest information available in 2009-10 or thereafter.

IPSOURCE = DDB

95. This field is calculated from the earliest record associated with this instance using the definition below. Writing-up and dormant students are allocated to their previous mode of study.

Value	Description	Definition
APPR	Apprenticeship	IPAPPRENTICE = 1 and Z_MODEGRP2 in (01, 02, 03)
FT	Full-time	Z_MODEGRP2 in (01, 02) and not above
PT	Part-time	Z_MODEGRP2 = 03 and not above
OTH	Other	Otherwise

IPSOURCE = HESASTU or HESASAR

96. This field is calculated from the earliest record associated with this instance using the definition below. Writing-up and dormant students are allocated to their previous mode of study.

Value	Description	Definition
APPR	Apprenticeship	IPAPPRENTICE = 1 and XQMODE01 in (1, 2)
FT	Full-time	XQMODE01 = 1 and not above
PT	Part-time	XQMODE01 = 2 and not above
OTH	Other	Otherwise

IPSOURCE = ILR

97. This field is calculated on the same basis as IPMODE in paragraph 88 for the earliest record associated with this instance.

98. For ILR records there can be more than one record in the earliest academic year of the instance. In this case priority is given to the record with the earliest IPCOMDATE. If there is more than one record with the earliest IPCOMDATE then the following precedence is applied:

    - The record with the highest level of study (using IPLEVELNUM) is taken

- If there is more than one record with the highest level of study, the record without an end date is taken (using IPACTENDDATE)
- If there are still multiple records at the highest level of study, the record with the latest end date is taken (using IPACTENDDATE)
- If there are still multiple records at the highest level of study and the same end dates, the mode of study (IPMODE) is taken into account. Records are prioritised in the following order:
  - Apprentice (IPMODE = APPR)
  - Full-time (IPMODE = FT)
  - Part-time (IPMODE = PT)

IPFOUNDYEAR

This is a key field

99. This field indicates whether the instance of study contains a foundation year of study.

100. A record with a foundation year flag indicates that a foundation year of study occurred somewhere within the student's instance of study. This is calculated by using instance linking, described in paragraphs 251 – 277.

101. Note that if a part of an instance is not at first degree level nor containing postgraduate components (IPLEVEL in DEG, PUGD) it will not contain a foundation year flag, even if another part of the instance has a foundation year flag.

Value	Description
1	The student has at least one instance of a foundation year of study
0	Otherwise

IPSOURCE = DDB, HESASTU or HESASAR

102. For the DDB's Student record and legacy Student and Student Alternative data collections, instances are flagged where the student is on a full-time or apprenticeship mode of study aiming for a first degree or a degree with postgraduate components (IPMODE = FT or APPR and IPLEVEL = DEG or PUGD) and either:
    - the instance contains a year of study where the year of programme has been returned as zero (YEARPRG = 0) and IPINSTANCEEXCL_PREENTROW = 0
    - the instance contains a year of study where the year of programme has been returned as one (YEARPRG = 1), the course title contains a reference to a foundation year and IPINSTANCEEXCL_PREENTROW = 0

IPSOURCE = ILR

103. For ILR data, instances are flagged where the student is on a full-time or apprenticeship mode of study aiming for a first degree or a degree with postgraduate components (IPMODE = FT or APPR and IPLEVEL = DEG or PUGD), the name of the learning aim contains a reference to a foundation year and IPINSTANCEEXCL_PREENTROW = 0.

IPSANDWICH

This is a key field

104. This field indicates whether the student is on a sandwich placement year.

IPSOURCE = DDB

Value	Description	Definition
1	Student is on a sandwich placement year	PLACEMENT in (01, 02)
0	Student is not on a sandwich placement year	Otherwise

IPSOURCE = HESASTU

Value	Description	Definition
1	Student is on a sandwich placement year	XMODE01 = 2 and SPECFEE = 1
0	Student is not on a sandwich placement year	Otherwise

IPSOURCE = HESASAR

Value	Description	Definition
1	Student is on a sandwich placement year	XMODE02 = 2 and XINACT01 = 0 and IPLOCSDY = D
0	Student is not on a sandwich placement year	Otherwise

IPSOURCE = ILR

Value	Description	Definition
1	Student is on a sandwich placement year	MODESTUD = 2
0	Student is not on a sandwich placement year	Otherwise

IPJACS

105. 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 = DDB

106. This field is not calculated due to the replacement of JACS with the Higher Education Classification of Subjects (HECoS) - see IPHECOS.

IPSOURCE = HESASTU or HESASAR

107. 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) - see IPHECOS.

IPSOURCE = ILR

108. 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' document.[20]

IPHECOS

109. 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 = DDB

110. IPHECOS is equal to Z_SUBJHECOS, which records the latest HECoS subject information for the engagement based on the latest student course session.

IPSOURCE = HESASTU or HESASAR

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

IPSOURCE = ILR

112. This field is not calculated.

IPSBJ_CAH2

This is a key field

113. 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 HECOS codes to the Common Aggregation Hierarchy codes can be found on the HESA website.[21]

[20] See 'Subject code mappings' available at https://www.officeforstudents.org.uk/data-and-analysis/student-outcome-and-experience-measures/documentation/.

[21] See https://www.hesa.ac.uk/files/HECoS_CAH_Version_1.3.4_final.xlsx.

IPSOURCE = ILR

114. Where LDCS codes are not available, Sector Subject Areas have been mapped directly to CAH2 codes. FFor details of this mapping, see the 'Subject code mappings' document.[22] 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_CAH2_NAME

115. This contains the name of the CAH2 category. For example, this field will contain 'Physics and astronomy' where IPSBJ_CAH2 is equal to CAH07-01.

IPSBJ_CAH3

116. 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.[23]

IPSBJ_CAH3_NAME

117. This contains the name of the CAH3 category. For example, this field will contain 'Physics' where IPSBJ_CAH3 is equal to CAH07-01-01.

IPSBJ_CAH1

118. This field shows which of the Common Aggregation Hierarchy level 1 (CAH1) codes the IPSBJ_CAH2 code maps to, for use in benchmarking.

IPSBJ_CAH1_NAME

119. This contains the name of the CAH1 category. For example, this field will contain 'Physical sciences' where IPSBJ_CAH1 is equal to CAH07.

IPSBJ_BROAD

120. This field assigns the subject of study to a broad grouping, for use in benchmarking.

Value	Description	Definition
1	Business and management	IPSBJ_CAH2 = CAH17-01
2	Design, and creative and performing arts	IPSBJ_CAH2 in (CAH25-01, CAH25-02)
3	Education and teaching	IPSBJ_CAH2 = CAH22-01

[22] See 'Subject code mappings' available at https://www.officeforstudents.org.uk/data-and-analysis/student-outcome-and-experience-measures/documentation/.

[23] See https://www.hesa.ac.uk/files/HECoS_CAH_Version_1.3.4_final.xlsx.

Value	Description	Definition
4	Engineering, technology and computing	IPSBJ_CAH2 in (CAH10-01, CAH10-03, CAH11-01)
5	Humanities and languages	IPSBJ_CAH2 in (CAH19-01, CAH19-02, CAH19-04, CAH20-01, CAH20-02, CAH23-01, CAH24-01)
6	Law and social sciences	IPSBJ_CAH2 in (CAH15-01, CAH15-02, CAH15-03, CAH15-04, CAH16-01)
7	Medicine, dentistry and veterinary sciences	IPSBJ_CAH2 in (CAH01-01, CAH05-01)
8	Natural and built environment	IPSBJ_CAH2 in (CAH06-01, CAH13-01, CAH26-01)
9	Natural and mathematical sciences	IPSBJ_CAH2 in (CAH03-01, CAH03-02, CAH07-01, CAH07-02, CAH07-04, CAH09-01)
10	Nursing, allied health and psychology	IPSBJ_CAH2 in (CAH02-02, CAH02-04, CAH02-05, CAH02-06, CAH04-01)

IPSBJ_BROAD_NAME

121. This contains the name of the broad subject grouping. For example, this field will contain 'Natural and mathematical sciences' where IPSBJ_BROAD is equal to 9.

IPFPE

122. 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.[24]

IPSOURCE = DDB

123. IPFPE is equal to Z_SUBJFPE.

IPSOURCE = HESASTU or HESASAR

124. IPFPE is equal to XFPE01.

IPSOURCE = ILR

125. 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.

IPCAH3FPE

126. This field shows the nominal full person equivalence (FPE) associated with the IPSBJ_CAH3 code. It is calculated on the same basis as IPFPE, but refers to IPSBJ_CAH3 level rather

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

than IPJACS or IPHECOS level. The concept of FPE student numbers is defined in full on the HESA website.

IPSOURCE = DDB

127. IPCAH3FPE is calculated using Z_SUBJFPE, which records the latest apportioned FPE associated with each HECoS subject (IPHECOS). Z_SUBJFPE is aggregated to give the FPE associated with each CAH3 subject (IPSBJ_CAH3).

IPSOURCE = HESASTU or HESASAR

128. IPCAH3FPE is equal to XFPE01.

SUBWT

129. SUBWT is calculated as IPCAH3FPE divided by 100.

IPINTERCALATE

130. This field indicates whether the student is studying on an intercalated year from a medical, dentistry or veterinary course.

IPSOURCE = DDB

Value	Description	Definition
1	The year of study is an intercalated year	INTERCALATION = 01 in the latest student course session
0	The year of study is not an intercalated year	Otherwise

IPSOURCE = HESASTU

Value	Description	Definition
1	The year of study is an intercalated year	(IPBASEYEAR ≥ 2013 and INTERCALATE = 01) or (IPBASEYEAR ≤ 2012 and COURSEAIM = H24)
0	The year of study is not an intercalated year	Otherwise

IPSOURCE = HESASAR or ILR

131. This field is not calculated.

IPINTSBJ_CAH2

132. For students who have intercalated (IPINTERCALATE = 1) this field shows the subject area from which the student has intercalated in the previous year. This will be either the Common Aggregation Hierarchy level 2 code that identifies medicine and dentistry (code CAH01-01) or veterinary sciences (code CAH05-01). Students intercalating from subject areas that do not

map to medicine and dentistry or veterinary sciences codes, or do not intercalate wholly from a single subject area, are shown as IPINTSBJ_CAH2 = N/A. Those who were not intercalating are shown as IPINTSBJ_CAH2 = NONE.

Calculation of FTE for ILR records

133. 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.[25]

134. 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'.

135. 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 or DDB

136. This field is not calculated.

IPSOURCE = ILR

137. 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 or DDB

138. This field is not calculated.

[25] See https://www.officeforstudents.org.uk/data-and-analysis/student-number-data.

IPSOURCE = ILR

139. 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

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

IPSOURCE = DDB

141. IPSTULOAD is equal to Z_STULOAD_CYC.

IPSOURCE = HESASTU

142. IPSTULOAD is equal to STULOAD.

IPSOURCE = HESASAR

143. 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

Value	Description	Definition
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

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

IPSOURCE = DDB, HESASTU or HESASAR

145. IPBIRTHDATE is equal to BIRTHDTE.

IPSOURCE = ILR

146. 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

147. This field contains the age of a student (based on IPBIRTHDATE) at 31 August in the academic year they commence their studies. Where IPBIRTHDATE is missing, IPSTARTAGE is set to 99.

IPSTARTAGEBAND

This is a key field

148. This field indicates the age category of the student at 31 August in the academic 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

149. This field indicates the sex of the student.

IPSOURCE = DDB

150. For records where IPBASEYEAR=2022, if SEXID was returned as either blank or 99, we carry forward the value of IPSEX calculated in 2021-22 (IPBASEYEAR=2021) for the same instance. This is calculated by using instance linking, described in paragraphs 251 – 277.

Value	Description	Definition
2	Female	SEXID = 10
1	Male	SEXID = 11
9	Other sex	SEXID = 12
0	Unknown	SEXID in (96, 99)

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.

IPSEXRAW

IPSOURCE = DDB

151. For records where IPBASEYEAR=2022 and IPSEX is carried forward from where IPBASEYEAR=2021 for the same instance, the value of IPSEX calculated with the 2022-23 data is recorded as IPSEXRAW.

IPSOURCE = HESASTU, HESASAR or ILR

152. This field is not calculated.

IPDISABLETYPE

This is a key field

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

IPSOURCE = DDB

Value	Description	Definition
COG	The student has cognitive or learning difficulties	Z_DISABILITYGRP1 = 05
MH	The student has a mental health condition	Z_DISABILITYGRP1 = 07
MULTI	The student has multiple or other impairments	Z_DISABILITYGRP1 in (04, 10, 11)
NONE	The student has no disability reported or an unknown disability type	Z_DISABILITYGRP1 in (01, Z9)
PHY	The student has a sensory, medical or physical impairment	Z_DISABILITYGRP1 in (02, 03, 06, 08)
SOC	The student has a social or communication impairment	Z_DISABILITYGRP1 = 09

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*)
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*)
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

Value	Description	Definition
		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

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

IPSOURCE = DDB

Value	Description	Definition
Y	Disability reported	Z_DISABILITYMRK = 1
N	No disability reported	Otherwise

IPSOURCE = HESASTU

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

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

IPSOURCE = DDB

156. For records where IPBASEYEAR=2022, if ETHNIC was returned as either blank or 999, we carry forward the value of IPETHNICDETAIL calculated in 2021-22 (IPBASEYEAR=2021) for the same instance. This is calculated by using instance linking, described in paragraphs 251 – 277.

Value	Description	Definition
A_01	Asian – Bangladeshi or Bangladeshi British	ETHNIC = 100
A_02	Asian – Chinese or Chinese British	ETHNIC = 101
A_03	Asian – Indian or Indian British	ETHNIC = 103
A_04	Asian – Pakistani or Pakistani British	ETHNIC = 104

Value	Description	Definition
A_05	Any other Asian background	ETHNIC in (102, 119)
B_01	Black – African or African British	ETHNIC = 120
B_02	Black – Caribbean or Caribbean British	ETHNIC = 121
B_03	Any other Black Background	ETHNIC = 139
M_01	Mixed or multiple ethnic groups – White or White British and Asian or Asian British	ETHNIC = 140
M_02	Mixed or multiple ethnic groups – White or White British and Black African or Black African British	ETHNIC = 141
M_03	Mixed or multiple ethnic groups – White or White British and Black Caribbean or Caribbean British	ETHNIC = 142
M_04	Any other Mixed or Multiple ethnic background	ETHNIC = 159
O_01	Other ethnic group	ETHNIC in (180, 899)
O_02	Gypsy, Roma, Traveller, Irish Traveller, Showman or Showwoman	ETHNIC in (163, 164, 165, 168, 170)
W_04	White	ETHNIC in (160, 161, 162, 166, 167, 169, 179)
U	Refused, Unknown, Prefer not to say 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, 16, 19)
U	Refused, unknown or not collected	Otherwise

IPSOURCE = HESASAR

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)
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.

IPETHNICDETAILRAW

IPSOURCE = DDB

157. For records where IPBASEYEAR=2022 and IPETHNICDETAIL is carried forward from where IPBASEYEAR=2021 for the same instance, the value of IPETHNICDETAIL calculated with the 2022-23 data is recorded as IPETHNICDETAILRAW.

IPSOURCE = HESASTU, HESASAR or ILR

158. This field is not calculated.

IPETHNIC

This is a key field

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

160. For records where IPBASEYEAR=2022, if ETHNIC was returned as either blank or 999, we carry forward the value of IPETHNIC calculated in 2021-22 (IPBASEYEAR=2021) for the same instance. This is calculated by using instance linking, described in paragraphs 251 – 277.

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

IPETHNICRAW

IPSOURCE = DDB

161. For records where IPBASEYEAR=2022 and IPETHNIC is carried forward from where IPBASEYEAR=2021 for the same instance, the value of IPETHNIC calculated with the 2022-23 data is recorded as IPETHNICRAW.

IPSOURCE = HESASTU, HESASAR or ILR

162. This field is not calculated.

IPSECTYPE

IPSOURCE = DDB

163. This field indicates whether the socioeconomic classification of the student is based on the occupation of the student or on the occupation of their parent, depending upon the student's age at the start of their course. IPSECTYPE is only applicable for UK-domiciled, full-time or apprenticeship, undergraduate students who applied via UCAS.

164. For records where IPBASEYEAR=2022, if SEC was returned as either blank or 09, we use the value of SEC returned in 2021-22 (IPBASEYEAR=2021) for the same instance in the algorithm below. This is calculated by using instance linking, described in paragraphs 251 – 277.

Value	Description	Definition
M	The student is aged 21+ and is assigned a SEC value based on the student's occupation	SEC ≠ *BLANK* and IPSTARTAGE ≥ 21 and UCASSCHEMECODE ≠ *BLANK* and DFAPAPPEXCL = 0 and IPLEVEL in (DEG, OUG, PUGD) and IPMODE in (FT, APPR)
Y	The student is under 21 and is assigned a SEC value based on the parent's occupation	SEC ≠ *BLANK* and 10 ≤ IPSTARTAGE < 21 and UCASSCHEMECODE ≠ *BLANK* and DFAPAPPEXCL = 0 and IPLEVEL in (DEG, OUG, PUGD) and IPMODE in (FT, APPR)
NA	The student is not assigned a SEC value	The student is not assigned a SEC value

IPSOURCE = HESASTU

165. This field indicates whether the socioeconomic classification of the student is based on the occupation of the student or on the occupation of their parent, depending upon the student's age at the start of their course. IPSECTYPE is only applicable for UK-domiciled, full-time or apprenticeship, undergraduate students who applied via UCAS.

166. This field is calculated for years 2015-16 onwards. For earlier years IPSECTYPE is blank. To ensure the data is of sufficient quality for its primary applications within the OfS functions

related to access and participation, population restrictions for this field have been applied based on the data quality framework: https://www.officeforstudents.org.uk/publications/differences-in-student-outcomes-further-characteristics/.

Value	Description	Definition
M	The student is aged 21+ and is assigned a SEC value based on the student's occupation	IPBASEYEAR ≥ 2015 and SEC ≠ *BLANK* and 21 ≤ IPSTARTAGE and UCASAPPID ≠ *BLANK* and DFAPAPPEXCL = 0 and IPLEVEL in (DEG, OUG, PUGD) and IPMODE in (FT, APPR)
Y	The student is under 21 and is assigned a SEC value based on the parent's occupation	IPBASEYEAR ≥ 2015 and SEC ≠ *BLANK* and 10 ≤ IPSTARTAGE < 21 and UCASAPPID ≠ *BLANK* and DFAPAPPEXCL = 0 and IPLEVEL in (DEG, OUG, PUGD) and IPMODE in (FT, APPR)
NA	The student is not assigned a SEC value	IPBASEYEAR ≥ 2015 and not above
BLANK	This field is not calculated for this academic year	IPBASEYEAR < 2015

IPSOURCE = HESASAR and ILR

167. This field is not calculated.

IPSECTYPERAW

IPSOURCE = DDB

168. For records where IPBASEYEAR=2022 and IPSECTYPE is calculated with the value of SEC returned in 2021-22, the value of IPSECTYPE calculated with the value of SEC returned in 2022-23 is recorded as IPSECTYPERAW.

IPSOURCE = HESASTU, HESASAR or ILR

169. This field is not calculated.

IPSEC

This is a key field

170. This field indicates the socioeconomic classification of the student based on the occupation of the student if they are aged 21 or over at the start of their course, or it is based on the occupation of their parent if the student is under 21 at the start of their course. If the parent or guardian is retired or unemployed, this is based on their most recent occupation.

IPSOURCE = DDB

171. For records where IPBASEYEAR=2022, if SEC was returned as either blank or 09, we use the value of SEC returned in 2021-22 (IPBASEYEAR=2021) for the same instance in the algorithm below, and to calculate IPSECTYPE as described in paragraph 163. This is calculated by using instance linking, described in paragraphs 251 – 277.

Value	Description	Definition
Value of SEC	The student is assigned their SEC value	IPSECTYPE in (M, Y)
NA	Not applicable	IPSECTYPE = NA

IPSOURCE = HESASTU

172. This field is calculated for years 2015-16 onwards. For earlier years IPSEC is blank.

Value	Description	Definition
01	Higher managerial & professional occupations	IPSECTYPE in (M, Y) and SEC = 1
02	Lower managerial & professional occupations	IPSECTYPE in (M, Y) and SEC = 2
03	Intermediate occupations	IPSECTYPE in (M, Y) and SEC = 3
04	Small employers & own account workers	IPSECTYPE in (M, Y) and SEC = 4
05	Lower supervisory & technical occupations	IPSECTYPE in (M, Y) and SEC = 5
06	Semi-routine occupations	IPSECTYPE in (M, Y) and SEC = 6

Value	Description	Definition
07	Routine occupations	IPSECTYPE in (M, Y) and SEC = 7
08	Never worked & long-term unemployed	IPSECTYPE in (M, Y) and SEC = 8
09	Not classified	IPSECTYPE in (M, Y) and SEC = 9
NA	Not applicable	IPSECTYPE = NA
BLANK	This field is not calculated for this academic year	IPSECTYPE = *BLANK*

IPSOURCE = HESASAR or ILR

173. This field is not calculated.

IPSECRAW

IPSOURCE = DDB

174. For records where IPBASEYEAR=2022 and IPSEC is calculated with the value of SEC returned in 2021-22, the value of IPSEC calculated with the value of SEC returned in 2022-23 and IPSECTYPERAW is recorded as IPSECRAW.

IPSOURCE = HESASTU, HESASAR or ILR

175. This field is not calculated.

IPPARED

IPSOURCE = DDB

176. This field indicates whether a student's parents had any higher education qualifications when the student started their studies.

Value	Description	Definition
1	Yes	PARED = 01
2	No	PARED = 02
7	No response given	PARED = 03
8	Not known	PARED = 97
9	Prefer not to say	PARED = 98
NA	Not available	PARED in (*BLANK*, 99)

IPSOURCE = HESASTU

177. This field is calculated for years 2012-13 onwards. For earlier years IPPARED is blank.

Value	Definition
Value of PARED	IPBASEYEAR ≥ 2012 and PARED ≠ *BLANK*
NA	IPBASEYEAR ≥ 2012 and PARED = *BLANK*
BLANK	IPBASEYEAR < 2012

IPSOURCE = HESASAR or ILR

178. This field is not calculated.

IPCARELEAVER

179. This field indicates whether a student is a care leaver. IPCARELEAVER is only applicable for UK-domiciled undergraduate students who started their studies in the academic year 2014-15 or later.

180. This field is calculated for years 2014-15 onwards. For earlier years IPCARELEAVER is blank. To ensure the data is of sufficient quality for its primary applications within the OfS functions related to access and participation, population restrictions for this field have been applied based on the data quality framework: https://www.officeforstudents.org.uk/publications/differences-in-student-outcomes-further-characteristics.

IPSOURCE = DDB

181. For records where IPBASEYEAR=2022, if Z_CARELEAVER_EP was returned as either blank, Z9 or 99, we use the value of CARELEAVER returned in 2021-22 (IPBASEYEAR=2021) for the same instance in the algorithm below. This is calculated by using instance linking, described in paragraphs 251 – 277.

Value	Description	Definition
05	Not a care leaver	Z_CARELEAVER_EP in (05, 09) and DFAPAPPEXCL = 0 and IPLEVEL in (DEG, OUG, PUGD) and IPCOMDATE ≥ 1 August 2014
99	Not known	Z_CARELEAVER_EP = 97 and DFAPAPPEXCL = 0 and IPLEVEL in (DEG, OUG, PUGD) and IPCOMDATE ≥ 1 August 2014
Value of Z_CARELEAVER_EP	Value of Z_CARELEAVER_EP	Z_CARELEAVER_EP not in (*BLANK*, 99, Z9) and

Value	Description	Definition
		DFAPAPPEXCL = 0 and IPLEVEL in (DEG, OUG, PUGD) and IPCOMDATE ≥ 1 August 2014 and not above
NA	Not available	Otherwise

IPSOURCE = HESASTU

Value	Definition
Value of CARELEAVER	IPBASEYEAR ≥ 2014 and CARELEAVER ≠ *BLANK* and DFAPAPPEXCL = 0 and IPLEVEL in (DEG, OUG, PUGD) and IPCOMDATE ≥ 1 August 2014
NA	IPBASEYEAR ≥ 2014 and not above
BLANK	IPBASEYEAR < 2014

IPSOURCE = HESASAR or ILR

182. This field is not calculated.

IPCARELEAVERRAW

IPSOURCE = DDB

183. For records where IPBASEYEAR=2022 and IPCARELEAVER is calculated with the value of CARELEAVER returned in 2021-22 for the same instance, the value of IPCARELEAVER calculated with the 2022-23 data is recorded as IPCARELEAVERRAW.

IPSOURCE = HESASTU, HESASAR or ILR

184. This field is not calculated.

IPSEXORT

This is a key field

185. This field indicates the student's sexual orientation based on their own self-assessment.

IPSOURCE = DDB

Value	Description	Definition
10	Bisexual	SEXORT = 10
11	Gay or lesbian	SEXORT = 11
12	Heterosexual or straight	SEXORT = 12
19	Other sexual orientation	SEXORT = 19
98	Prefer not to say	SEXORT = 98
NA	Not available	Otherwise

IPSOURCE = HESASTU

Value	Description	Definition
10	Bisexual	IPBASEYEAR ≥ 2015 and SEXORT = 01
11	Gay or lesbian	IPBASEYEAR ≥ 2015 and SEXORT in (02, 03)
12	Heterosexual or straight	IPBASEYEAR ≥ 2015 and SEXORT = 04
19	Other sexual orientation	IPBASEYEAR ≥ 2015 and SEXORT = 05
98	Prefer not to say	IPBASEYEAR ≥ 2015 and SEXORT = 98
NA	Not available	IPBASEYEAR ≥ 2015 and not above
BLANK	This field is not calculated for this academic year	IPBASEYEAR < 2015

IPSOURCE = HESASAR

Value	Description	Definition
10	Bisexual	IPBASEYEAR ≥ 2020 and SEXORT = 01
11	Gay or lesbian	IPBASEYEAR ≥ 2020 and SEXORT in (02, 03)
12	Heterosexual or straight	IPBASEYEAR ≥ 2020 and SEXORT = 04
19	Other sexual orientation	IPBASEYEAR ≥ 2020 and SEXORT = 05

Value	Description	Definition
98	Prefer not to say	IPBASEYEAR ≥ 2020 and SEXORT = 98
NA	Not available	IPBASEYEAR ≥ 2020 and not above
BLANK	This field is not calculated for this academic year	IPBASEYEAR < 2020

ILR

186. This field is not calculated.

IPPOSTCODE

IPSOURCE = DDB

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

IPSOURCE = HESASTU or HESASAR

188. 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

189. 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

190. 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

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

IPSOURCE = DDB

192. This field uses the DDB derived field Z_PERMADDGRP4

Value	Description	Definition
E	England	Z_PERMADDGRP4 = 01
N	Northern Ireland	Z_PERMADDGRP4 = 02
S	Scotland	Z_PERMADDGRP4 = 03
W	Wales	Z_PERMADDGRP4 = 04
EU	European Union	Z_PERMADDGRP4 = 06
OTHER	Other international	Z_PERMADDGRP4 = 05, 07
UNKNOWN	Unknown domicile	Otherwise

IPSOURCE = HESASTU or HESASAR

193. This field uses the HESA derived field XDOMHM01

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 IPPOSTCODE is in England)
S	Scotland	DOMICILE = XH or (DOMICILE in (XJ, XK, GB) and (IPPOSTCODE is in Scotland or

Value	Description	Definition
		((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 (AT, AX, BE, BG, CY, CZ, DE, DK, EE, ES, EU, FI, FR, GF, GI, GP, GR, HR, HU, IC, IE, IT, LT, LU, LV, MQ, MT, NL, PL, PT, RE, RO, SE, SI, SK, TF, XA, XC, XD, XE, YT)
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

194. 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

IPADULTHEQ

195. This field shows, for UK-domiciled students only (IPUKFLAG = 1), the Adult HE 2011 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 Adult HE 2011 measure assigns a quintile to an area based on the proportion of adults from that area that held a higher education qualification at the point of the 2011 census. Further detail of the methodology can be found at https://www.officeforstudents.org.uk/data-and-analysis/young-participation-by-area/about-polar-and-adult-he.

196. Values are assigned as 1 to 5, with 1 being the quintile with the lowest Adult HE rate. Unknown or invalid postcodes are instead set as IPADULTHEQ = UNKNOWN. Students not domiciled in the UK are set as IPADULTHEQ = NA. Further information about the terminology used in census geography can be found at https://www.ons.gov.uk/methodology/geography/ukgeographies/censusgeography.

IPPOLAR4

This is a key field

197. 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. Further detail of the methodology can be found at https://www.officeforstudents.org.uk/data-and-analysis/young-participation-by-area/about-polar-and-adult-he.

198. Postcodes (IPPOSTCODE) 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 at https://www.ons.gov.uk/methodology/geography/ukgeographies/censusgeography.

IPTUNDRALOOKUP

This is a key field

199. This field shows, for students with a home postcode (IPPOSTCODE) in England, the young higher education participation rate quintile of the student's 2011 Middle Super Output Area (MSOA); the Tracking underrepresentation by area (TUNDRA) measure is used. TUNDRA utilises the tracking of state-funded mainstream school pupils in England to calculate the young participation in each MSOA; however, this lookup field is assigned regardless of the state-school status of the record.

200. Postcodes (IPPOSTCODE) are assigned as 1 to 5, with 1 being the quintile of lowest participation rate. Students with unknown or invalid home postcodes are attributed IPTUNDRALOOKUP = UNKNOWN and students whose home postcodes are not in England are attributed IPTUNDRALOOKUP = NA. Further information about the terminology used in census geography can be found at https://www.ons.gov.uk/methodology/geography/ukgeographies/censusgeography.

IPIMDNATION

This is a key field

201. 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.

202. 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

IPIMDHISTORIC

203. This field 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, IPIMDNATION should be used in preference to IPIMDHISTORIC. This field shows:

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.

IPIDACI

204. This field shows the 2019 Income Deprivation Affecting Children Index (IDACI) quintile of a student for students with a home postcode (IPPOSTCODE) in England. The index is based on all children aged 0 to 15 living in income deprived families. Further information about the IDACI measure can be found at https://www.gov.uk/government/statistics/english-indices-of-deprivation-2019.

205. Values are assigned as 1 to 5, with 1 being the quintile of highest deprivation. Students with unknown or invalid home postcodes are attributed IPIDACI = UNKNOWN and students whose home postcodes are not in England are attributed IPIDACI = NA. Further information about the terminology used in census geography can be found at https://www.ons.gov.uk/methodology/geography/ukgeographies/censusgeography

IPACCABCS, IPCONABCS, IPCOMPABCS and IPPROGABCS

This is a key field

206. These fields contain the associations between characteristics of students (ABCS) quintiles for access (IPACCABCS), continuation (IPCONABCS), completion (IPCOMPABCS) and progression (IPPROGABCS). The ABCS methodology identifies groups of students by how likely they are to receive a positive outcome in the relevant measure based on a set of student characteristics. More information about ABCS and the student characteristics used can be found at https://www.officeforstudents.org.uk/publications/update-to-associations-between-characteristics-of-students.

207. ABCS quintiles for continuation, completion and progression are calculated separately for full-time and part-time students. For full-time and apprenticeship students (IPSTARTMODE = FT or IPSTARTMODE = APPR), the full-time ABCS grouping is used. For part-time students (IPSTARTMODE = PT), the part-time ABCS grouping is used.

208. Where a student was in the relevant ABCS population, the field will either contain the values 1 to 5, corresponding to the relevant ABCS quintile, or it will contain the value 999 where a student was not able to be linked to a quintile. If a student was not in this population, the field will be blank.

Fields used to describe the location of study

IPLOCATION

IPSOURCE = HESASTU or ILR or DDB

209. This field is not calculated.

IPSOURCE = HESASAR

210. 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

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

IPSOURCE = DDB

212. For providers in England:

a. We sum the STUDYPROPORTION of each venue (VENUEID) for which VENUEUKPRN matches the majority teaching provider identified in IPUKPRNTC. Where there is more than one student course session associated with the engagement in the academic year, we use RPSTULOAD to weight the summed STUDYPROPORTION across the student course sessions.

b. Then IPLOCPOSTCODE is set as the postcode of the venue (POSTCODE) with the largest summed STUDYPROPORTION in the academic year. Where there is more than one student course session associated with the engagement in the academic year, this is the sum of the weighted values described above.

c. In the event of a tie between venues with the same summed STUDYPROPORTION, IPLOCPOSTCODE is set to Unknown.

215. For providers in Scotland, Wales and Northern Ireland:

a. We sum the STUDYPROPORTION of each venue (VENUEID) associated with the latest student course session in the academic year.

b. Then IPLOCPOSTCODE is set as the postcode of the venue (POSTCODE) with the largest summed STUDYPROPORTION.

c. In the event of a tie between venues with the same summed STUDYPROPORTION, IPLOCPOSTCODE is set to Unknown.

IPSOURCE = HESASTU

213. 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.

214. 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 (based on the postcodes associated with UKPRN) 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.

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

IPSOURCE = HESASAR

216. 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.

217. Where the student is taught at another provider (IPUKPRNTC ≠ IPUKPRNRC), the legal postcode of the teaching provider is used (based on the postcode associated with IPUKPRNTC). 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.

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

IPSOURCE = ILR

219. 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.

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

IPLOCSDY

221. This field shows the location of study.

IPSOURCE = HESASTU

222. IPLOCSDY is equal to LOCSDY

IPSOURCE = HESASAR

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

IPSOURCE = ILR or DDB

224. This field is not calculated.

IPDL

This is a key field

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

IPSOURCE = DDB

Value	Description	Definition
1	The student is a distance learning student	Z_DISTANCE = 1
0	The student is not known to be a distance learning student	Otherwise

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

IPSTUDYTTWA

226. 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.[26]

[26] See https://www.ons.gov.uk/methodology/geography/ukgeographies/censusgeographies/census2021geographies.

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

IPTTPCODETTWA

227. This field shows the 2011 travel to work area code in which the student's term-time postcode is located.

IPSOURCE = DDB or HESASTU

Value	Description	Definition
Travel to work area code of term-time postcode	Travel to work area of term-time postcode	TTPCODE can be mapped to a travel to work area
UNKNOWN	Travel to work area of term-time postcode not known	Otherwise

IPSOURCE = HESASAR

228. This field is not calculated.

IPSOURCE = ILR

Value	Description	Definition
Travel to work area code of term-time postcode	Travel to work area of term-time postcode	POSTCODE can be mapped to a travel to work area
UNKNOWN	Travel to work area of term-time postcode not known	Otherwise

Note: This field is only defined where IPSOURCE = ILR for base years greater than or equal to 2014.

IPSTUDYLOCTYPE

This is a key field

229. 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 =

Value	Description	Definition
		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
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

IPCOMMUTE

230. This field indicates whether a student commutes to their location of study; a commuter is defined as a non-distance learner whose term-time address is not local to their location of study. For students on industrial placements or on a year abroad, it is not known whether the student commutes and this field is set to U.

IPSOURCE = DDB

Value	Description	Definition
Y	The student commutes to their location of study	IPTTPCODETTWA ≠ IPSTUDYTTWA and IPSTUDYTTWA ≠ UNKNOWN and

Value	Description	Definition
		IPTTPCODETTWA ≠ UNKNOWN and PLACEMENT ≠ 01 and STUDYABROAD ≠ 01 and IPDL ≠ 1
N	The student does not commute to their location of study	(IPTTPCODETTWA = IPSTUDYTTWA and IPSTUDYTTWA ≠ UNKNOWN and IPTTPCODETTWA ≠ UNKNOWN and PLACEMENT ≠ 01 and STUDYABROAD ≠ 01) or IPDL = 1
U	It is unknown whether the student commutes	Otherwise

IPSOURCE = HESASTU or ILR

Value	Description	Definition
Y	The student commutes to their location of study	IPTTPCODETTWA ≠ IPSTUDYTTWA and IPSTUDYTTWA ≠ UNKNOWN and IPTTPCODETTWA ≠ UNKNOWN and IPLOCSDY not in (D, T) and IPDL ≠ 1
N	The student does not commute to their location of study	(IPTTPCODETTWA = IPSTUDYTTWA and IPSTUDYTTWA ≠ UNKNOWN and IPTTPCODETTWA ≠ UNKNOWN and IPLOCSDY not in (D, T)) or IPDL = 1
U	It is unknown whether the student commutes	Otherwise

Note: This field is only defined for base years greater than or equal to 2014.

IPSOURCE = HESASAR

231. This field is not calculated.

Fields used to derive populations of students

OFSHE

232. This field determines whether a student could be counted as a higher education (HE) student for any OfS purpose. It is designed to align the coverage of different student records. The following are excluded:

- Students duplicated across different student returns
- Incoming exchange students
- Students that left within two weeks without any award
- Students that are not on a HE aim
- Students on subject knowledge enhancement (SKE) courses
- Records in the ILR that are an apprentice standard 'wrapper' programme aim
- ILR records which have been closed to correct an incorrect LEARNPLANENDDATE.

IPSOURCE = DDB

Value	Description	Definition
1	Student is counted as a HE student	IPLEVELBROAD ≠ NA and IPDUP = 0 and INCOMINGEXCHANGE = *BLANK* and (IPACTENDDATE = *BLANK* or IPACTENDDATE – IPCOMDATE > 14 or IPAWARDLEVELBROAD ≠ NA)
0	Student is not counted as a HE student as they are excluded by one of the clauses in paragraph 232	Otherwise

IPSOURCE = HESASTU

Value	Description	Definition
1	Student is counted as a HE student	IPLEVELBROAD ≠ NA and IPDUP = 0 and EXCHANGE not in (2, 4, 8, 9, A, G, O) and TTCID not in (E, F) and

Value	Description	Definition
		(IPACTENDDATE = *BLANK* or IPACTENDDATE – IPCOMDATE > 14 or IPAWARDLEVELBROAD ≠ NA)
0	Student is not counted as a HE student as they are excluded by one of the clauses in paragraph 232	Otherwise

IPSOURCE = HESASAR

Value	Description	Definition
1	Student is counted as a HE student	IPLEVELBROAD ≠ NA and IPDUP = 0 and EXCHIND ≠ 1 and TTCID ≠ F and (IPACTENDDATE = *BLANK* or IPACTENDDATE – IPCOMDATE > 14 or IPAWARDLEVELBROAD ≠ NA)
0	Student is not counted as a HE student as they are excluded by one of the clauses in paragraph 232	Otherwise

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

IPSOURCE = ILR

Value	Description	Definition
1	Student is counted as a HE student	IPLEVELBROAD ≠ NA and LEARNAIMREF ≠ ZPROG001 and IPDUP = 0 and LEARNDELFAM_SOF1 not in (017, 020) and LEARNDELFAM_SOF2 not in (017, 020) and (IPACTENDDATE = *BLANK* or IPACTENDDATE – IPCOMDATE > 14 or OUTCOME in (1, 2, 4, 5, 6, 7, 8)) and

Value	Description	Definition
		(IPBASEYEAR < 2013 or (IPBASEYEAR ≥ 2013 and (COMPSTATUS not in (3, 4) or WITHDRAWREASON ≠ 40 or LEARNACTENDDATE ≠ 1 August 20YY)))
0	Student is not counted as a HE student as they are excluded by one of the clauses in paragraph 232	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. ILR records with COMPSTATUS=3 and WITHDRAWREASON=40 will have the value of COMPSTATUS changed for later years.

IPHECAT

This is a key field

233. This field categorises students into key subsets of the higher education population for the purposes of understanding student lifecycle indicators.

IPSOURCE = DDB

Value	Description	Definition
1	Student is registered at a UK provider but is mainly studying abroad	OFSHE = 1 and (COLPROVTYPEID = 02 or Z_PRINONUK = 01)
2	Student is mainly studying in the UK and is aiming for credit or modular provision rather than a qualification	OFSHE = 1 and IPLEVEL in (UGCREDIT, PGCREDIT) and not above
3	Student is mainly studying in the UK and is aiming for a qualification but is dormant or sabbatical	OFSHE = 1 and (IPMODE = OTH) and not above
4	Student is mainly studying in the UK and is writing up on a qualification aim	OFSHE = 1 and

Value	Description	Definition
		IPMODE in (WUPFT, WUPPT) and not above
5	Student is mainly studying in the UK and is actively studying on a qualification aim	OFSHE = 1 and not above
0	Student is not counted as a HE student as they are excluded by one of the clauses in paragraph 232	Otherwise

IPSOURCE = HESASTU

Value	Description	Definition
1	Student is registered at a UK provider but is mainly studying abroad	OFSHE = 1 and (EXCHANGE = Z or IPLOCSDY = S)
2	Student is mainly studying in the UK and is aiming for credit or modular provision rather than a qualification	OFSHE = 1 and IPLEVEL in (UGCREDIT, UGUNSPEC, PGCREDIT, PGUNSPEC) and not above
3	Student is mainly studying in the UK and is aiming for a qualification but is dormant or sabbatical	OFSHE = 1 and (REDUCEDI = 04 or IPMODE = OTH) and not above
4	Student is mainly studying in the UK and is writing up on a qualification aim	OFSHE = 1 and IPMODE in (WUPFT, WUPPT) and not above
5	Student is mainly studying in the UK and is actively studying on a qualification aim	OFSHE = 1 and not above
0	Student is not counted as a HE student as they are excluded by one of the clauses in paragraph 236	Otherwise

IPSOURCE = HESASAR

Value	Description	Definition
1	Student is registered at a UK provider but is mainly studying abroad	OFSHE = 1 and IPLOCSDY = S

Value	Description	Definition
2	Student is mainly studying in the UK and is aiming for credit or modular provision rather than a qualification	OFSHE = 1 and IPLEVEL in (UGCREDIT, UGUNSPEC, PGCREDIT, PGUNSPEC) and not above
3	Student is mainly studying in the UK and is aiming for a qualification but is dormant or sabbatical	OFSHE = 1 and IPMODE = OTH and not above
4	Student is mainly studying in the UK and is writing up on a qualification aim	OFSHE = 1 and IPMODE in (WUPFT, WUPPT) and not above
5	Student is mainly studying in the UK and is actively studying on a qualification aim	OFSHE = 1 and not above
0	Student is not counted as a HE student as they are excluded by one of the clauses in paragraph 232	Otherwise

IPSOURCE = ILR

Value	Description	Definition
2	Student is mainly studying in the UK and is aiming for credit or modular provision rather than a qualification	OFSHE = 1 and IPLEVEL in (UGCREDIT, UGUNSPEC, PGCREDIT, PGUNSPEC)
5	Student is mainly studying in the UK and is actively studying on a qualification aim	OFSHE = 1 and not above
0	Student is not counted as a HE student as they are excluded by one of the clauses in paragraph 232	Otherwise

IPDUP

234. This field indicates students in the DDB's Student or legacy data collections, or in the ILR, 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).

235. Person-based linking is used in order to identify duplicates between providers, as described in paragraphs 247 – 250.

Value	Definition
1	Student appears to exist in another provider's student record
0	No duplicates found using the criteria listed in paragraph 234.

IPACTANN

236. This field determines whether the student was actively studying at any point in the academic year on or after the anniversary of the day 15 days after their starting date.

IPSOURCE = DDB

Value	Description	Definition
1	The student was actively studying in the academic year on or after the anniversary of the day 15 days after their starting date	IPCOMDATE < 17 July 20YY+1 and for any student course session in the academic year: (SCSENDDATE ≥ IPANNIV15 or SCSENDDATE = *BLANK*) and ((Z_INACTFROMSCS ≥ IPANNIV15 and Z_INACTFROMSCS > SCSSTARTDATE) or (Z_INACTTOSCS < 31 July 20YY+1 and (Z_INACTTOSCS < SCSENDDATE or SCSENDDATE = *BLANK*)))
0	The student was not actively studying in the academic year on or after the anniversary of the day 15 days after their starting date	Otherwise

IPSOURCE = HESASTU, HESASAR, or ILR

237. This field is not calculated.

IPAYDUP

This is a key field

238. This field determines whether the student record is used in calculations of student headcounts where we count each student's year of programme of study once. It ensures that similar activity is counted in a similar way irrespective of when it occurs. It primarily de-duplicates activity for students on non-standard academic years so that each student record is counted once and only once for each year of programme of study.

IPSOURCE = DDB

Value	Description	Definition
1	The student has been recorded with a starting date beyond the current academic year	IPCOMDATE > 16 July 20YY+1
1	The student left within 14 days of their starting date without an award, or they had no activity in the academic year more than 14 days after the anniversary of their start date.	(IPACTENDDATE ≠ *BLANK* and IPACTENDDATE < 1 August 20YY) or IPACTANN = 0 or (IPACTENDDATE ≠ *BLANK* and IPACTENDDATE ≤ IPCOMDATE + 14 and OFSHE ≠ 1)
0	The student record is used in calculations of student headcounts where we count each student's year of programme of study once	Otherwise

IPSOURCE = HESASTU

Value	Description	Definition
1	The student has been recorded with a starting date beyond the current academic year	IPCOMDATE > 16 July 20YY+1
1	The student left their course within 14 days of their anniversary or within 14 days of their starting date without an award	IPACTENDDATE ≠ *BLANK* and (IPACTENDDATE < 1 August 20YY or ((IPACTENDDATE < IPANNIV15 or IPACTENDDATE ≤ IPCOMDATE + 14) and (IPCOMDATE < 17 July 20YY or OFSHE ≠ 1 or IPACTENDDATE > IPCOMDATE + 14)))

Value	Description	Definition
		and not above
1	The student is on a non-standard academic year and has suspended studies	IPACTENDDATE = *BLANK* and TYPEYR in (2, 3, 4, 5) and NOTACT in (1, 2) and not above
0	The student record is used in calculations of student headcounts where we count each student's year of programme of study once	Otherwise

IPSOURCE = HESASAR

Value	Description	Definition
1	The student has been recorded with a starting date beyond the current academic year	IPCOMDATE > 16 July 20YY+1
1	The student left their course or ended their instance period within 14 days of their anniversary or within 14 days of their starting date without an award	(IPACTENDDATE ≠ *BLANK* or PERIODEND < IPANNIV15) and (IPACTENDDATE < 1 August 20YY or ((IPACTENDDATE < IPANNIV15 or IPACTENDDATE ≤ IPCOMDATE + 14) and (IPCOMDATE < 17 July 20YY or OFSHE ≠ 1 or IPACTENDDATE > IPCOMDATE + 14))) and not above
0	The student record is used in calculations of student headcounts where we count each student's year of programme of study once	Otherwise

Note: The PERIODEND associated with the latest active instance period using the same methodology as HESA for XPSR01[27].

[27] See https://www.hesa.ac.uk/collection/c21051/derived/xpsr01.

IPSOURCE = ILR

Value	Description	Definition
1	The student has been recorded with a starting date beyond the current academic year	IPCOMDATE > 16 July 20YY + 1
1	The student left their course within 14 days of their anniversary or within 14 days of their starting date without an award	IPACTENDDATE ≠ *BLANK* and (IPACTENDDATE < 1 August 20YY or ((IPACTENDDATE < IPANNIV15 or IPACTENDDATE ≤ IPCOMDATE + 14) and (IPCOMDATE < 17 July 20YY or OFSHE ≠ 1 or IPACTENDDATE > IPCOMDATE + 14))) and not above
0	The student record is used in calculations of student headcounts where we count each student's year of programme of study once	Otherwise

IPCONTEXTPOP

This is a key field

239. This field indicates whether a student should be counted towards contextual information.

240. IPCONTEXTPOP is calculated once per student at mode and broad level. This means that the following deduplication is applied:

    a. A student is only counted once per IPUKPRNRC, IPMODE and IPLEVELBROAD for each IPBASEYEAR

    b. If the student appears multiple times at a single combination of IPMODE and IPLEVELBROAD, the record with the highest level (according to IPLEVELNUM) is prioritised.

    c. If there are multiple records at the highest level, the record with the lowest non-zero IPCONTEXTPOP value is prioritised (IPCONTEXTPOP = 1 is prioritised over IPCONTEXTPOP = 2, etc.).

d. If there are still multiple records, the record is chosen consistently by considering identifiers UKPRN, HUSID, SID, LEARNREFNUMBER, AIMSEQNUMBER and NUMHUS alphabetically.

241. A student may fall into multiple populations, for example a student on a one year course could count towards the entrant and qualifier population. To account for this, the contextual population is constructed as follows:

a. For the all student population, values 1, 2, 3 and 4 are used

b. For the entrant population, values 1 and 2 are used

c. For the qualifier population, values 1, 3 and 5 are used

IPSOURCE = DDB

Value	Description	Definition
1	The student is counted in the entrant and qualifier contextual populations	IPHECAT in (1, 2, 5) and IPAYDUP = 0 and IPAWARDLEVELBROAD ≠ NA and IPCOMDATE ≥ 17 July 20YY and IPCOMDATE < 17 July 20YY+1
2	The student is counted in the entrant contextual population but not the qualifier contextual population	IPHECAT in (1, 2, 5) and IPAYDUP = 0 and IPCOMDATE ≥ 17 July 20YY and IPCOMDATE < 17 July 20YY+1 and not above
3	The student is counted in the qualifier contextual population but not the entrant contextual population	IPHECAT in (1, 2, 5) and IPAYDUP = 0 and IPAWARDLEVELBROAD ≠ NA and not above
4	The student is counted in the contextual population, but not as a qualifier or entrant	IPHECAT in (1, 2, 5) and IPAYDUP = 0 and not above
5	The student is counted in the qualifier contextual population, but not in the all students or entrant contextual populations	IPHECAT in (1, 2, 3, 4, 5) and IPAWARDLEVELBROAD ≠ NA and not above

Value	Description	Definition
0	The student is not counted in the contextual population	Not above or Student is not counted towards the contextual population after deduplication (see paragraph 240)

Note: The DDB Student data model requires that PGR students transferring to a new provider as part of a collaborative provision arrangement be treated as entrants to a new engagement at the new provider. The engagement start date, IPCOMDATE, must be returned as the date that reporting responsibility transferred to the new provider. Reporting under the legacy HESA data models did not include this requirement for PGR students in these arrangements.[28]

IPSOURCE = HESASTU

Value	Description	Definition
1	The student is counted in the all student, entrant and qualifier contextual populations	IPHECAT in (1, 2, 5) and IPAYDUP = 0 and IPAWARDLEVELBROAD ≠ NA and ((IPCOMDATE ≥ 17 July 20YY and IPCOMDATE < 17 July 20YY+1) or (COLFROMPROV ≠ *BLANK* and COLFROMDATE ≥ 17 July 20YY and COLFROMDATE < 17 July 20YY+1 and (IPACTENDDATE = *BLANK* or IPACTENDDATE – COLFROMDATE > 14 days)))
2	The student is counted in the all student and entrant contextual populations but not the qualifier contextual population	IPHECAT in (1, 2, 5) and IPAYDUP = 0 and ((IPCOMDATE ≥ 17 July 20YY and IPCOMDATE < 17 July 20YY+1) or (COLFROMPROV ≠ *BLANK* and COLFROMDATE ≥ 17 July 20YY and COLFROMDATE < 17 July 20YY+1 and

[28] See https://codingmanual.hesa.ac.uk/22056/guidance/PGRCollaborativeSupervision.

Value	Description	Definition
		(IPACTENDDATE = *BLANK* or IPACTENDDATE – COLFROMDATE > 14 days))) and not above
3	The student is counted in the all student and qualifier contextual populations but not the entrant contextual population	IPHECAT in (1, 2, 5) and IPAYDUP = 0 and IPAWARDLEVELBROAD ≠ NA and not above
4	The student is counted in the all student contextual population, but not in the qualifier or entrant contextual populations	IPHECAT in (1, 2, 5) and IPAYDUP = 0 and not above
5	The student is counted in the qualifier contextual population but not the entrant or all student contextual populations	IPHECAT in (1, 2, 3, 4, 5) and IPAWARDLEVELBROAD ≠ NA and not above
0	The student is not counted in the contextual population	Not above or Student is not counted towards the contextual population after deduplication (see paragraph 240)

IPSOURCE = HESASAR

Value	Description	Definition
1	The student is counted in the all student, entrant and qualifier contextual populations	IPHECAT in (1, 2, 5) and IPAYDUP = 0 and IPAWARDLEVELBROAD ≠ NA and IPCOMDATE ≥ 17 July 20YY and IPCOMDATE < 17 July 20YY+1
2	The student is counted in the all student and entrant contextual populations but not the qualifier contextual population	IPHECAT in (1, 2, 5) and IPAYDUP = 0 and IPCOMDATE ≥ 17 July 20YY and IPCOMDATE < 17 July 20YY+1 and not above

Value	Description	Definition
3	The student is counted in the all student and qualifier contextual populations but not the entrant contextual population	IPHECAT in (1, 2, 5) and IPAYDUP = 0 and IPAWARDLEVELBROAD ≠ NA and not above
4	The student is counted in the all student contextual population, but not in the qualifier or entrant contextual populations	IPHECAT in (1, 2, 5) and IPAYDUP = 0 and not above
5	The student is counted in the qualifier contextual population but not the entrant or all student contextual populations	IPHECAT in (1, 2, 3, 4, 5) and IPAWARDLEVELBROAD ≠ NA and not above
0	The student is not counted in the contextual population	Not above or Student is not counted towards the contextual population after deduplication (see paragraph 240)

IPSOURCE = ILR

Value	Description	Definition
1	The student is counted in the all student, entrant and qualifier contextual populations	IPHECAT in (2, 5) and IPAYDUP = 0 and IPCOMDATE ≥ 17 July 20YY and IPCOMDATE < 17 July 20YY+1 and OUTCOME in (1, 2, 4, 5, 6, 7, 8) and IPAWARDLEVELBROAD ≠ NA
2	The student is counted in the all student and entrant contextual populations but not the qualifier contextual population	IPHECAT in (2, 5) and IPAYDUP = 0 and IPCOMDATE ≥ 17 July 20YY and IPCOMDATE < 17 July 20YY+1 and not above
3	The student is counted in the all student and qualifier contextual populations but not the entrant contextual population	IPHECAT in (2, 5) and IPAYDUP = 0 and OUTCOME in (1, 2, 4, 5, 6, 7, 8) and

Value	Description	Definition
		IPAWARDLEVELBROAD ≠ NA and not above
4	The student is counted in the all student contextual population, but not in the qualifier or entrant contextual populations	IPHECAT in (2, 5) and IPAYDUP = 0 and not above
5	The student is counted in the qualifier contextual population but not the entrant or all student contextual populations	IPHECAT in (2, 5) and OUTCOME in (1, 2, 4, 5, 6, 7, 8) and IPAWARDLEVELBROAD ≠ NA and not above
0	The student is not counted in the contextual population	Not above or Student is not counted towards the contextual population after deduplication (see paragraph 240)

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.

DFAPAPPEXCL

This is a key field

242. This field is only relevant to the construction of the access and participation data dashboard. This field should only be used in conjunction with IPHECAT, or a derived field which uses IPHECAT in its derivation. We anticipate that a restriction on IPHECAT = 2, 3, 4, or 5 would be appropriate for most use cases.

243. 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)
1	The student would not be in scope of access and participation plans	Otherwise

IPQUALIFIER

244. This field indicates whether the student qualified at higher education-level.

IPSOURCE = HESASTU or HESASAR or DDB

Value	Description	Definition
1	Student was not mainly studying abroad and qualified with a higher education-level qualification	IPHECAT in (2, 3, 4, 5) and IPAWARDLEVEL not in (PGCREDIT, UGCREDIT, NONE, FE)
2	Student was not mainly studying abroad and qualified with higher education-level credit or modules	IPHECAT in (2, 3, 4, 5) and IPAWARDLEVEL in (PGCREDIT, UGCREDIT)
3	Student was mainly studying abroad and qualified at higher education-level	IPHECAT = 1 and IPAWARDLEVEL not in (NONE, FE)
0	Student was not in the HE population, has not qualified, or qualified with a further education level qualification	Otherwise

IPSOURCE = ILR

Value	Description	Definition
1	Student qualified with a higher education-level qualification	IPHECAT in (2, 5) and OUTCOME in (1, 2, 4, 5, 6, 7, 8) and IPAWARDLEVEL not in (PGCREDIT, UGCREDIT, NONE, FE)
2	Student qualified with higher education-level credit or modules	IPHECAT in (2, 5) and OUTCOME in (1, 2, 4, 5, 6, 7, 8) and IPAWARDLEVEL in (PGCREDIT, UGCREDIT)
0	Student was not in the HE population, has not qualified, or qualified with 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.

IPUGQUALIFIER

245. This field indicates whether the student qualified at undergraduate level. It excludes students who qualified at undergraduate level but were studying at postgraduate level.

Value	Description	Definition
1	Student was not mainly studying abroad and qualified with an undergraduate-level qualification	IPQUALIFIER = 1 and IPAWARDLEVEL in (DEG, OUG, PUGD) and IPLEVELBROAD = UG
2	Student was not mainly studying abroad and qualified with undergraduate-level credit or modules	IPQUALIFIER = 2 and IPAWARDLEVEL = UGCREDIT and IPLEVELBROAD = UG
3	Student was mainly studying abroad and qualified at undergraduate level	IPQUALIFIER = 3 and IPAWARDLEVELBROAD = UG and IPLEVELBROAD = UG
0	Student was not in the HE population or did not qualify at undergraduate level	Otherwise

Data linking

246. For some fields it is necessary to link data between years of student data or between data sources. We employ two methods for data linking: person-based linking and instance linking.

Person-based linking

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

248. 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.

249. 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.

250. Person-based linking uses the most recent available student data. Addition of new or updated student data may impact where links can be made and result in gained or lost links between student records or between student data and other data sources. Variation of this sort is expected on a year-on-year basis as new academic years of data become available.

Instance linking

IPINSTANCETYPE

251. This field identifies records that could negatively impact the derivation of a student instance.

IPSOURCE = HESASTU or HESASAR or DDB

252. This field is set to 0.

IPSOURCE = ILR

Value	Description	Definition
1	Record could negatively impact the derivation of a student instance	IPACTENDDATE < 1 August 20YY and IPACTENDDATE ≠ BLANK and OUTCOME ≠ 1 and (WITHDRAWREASON ≠ 40 or IPCOMDATE ≠ IPACTENDDATE or IPBASEYEAR < 2015)
0	Otherwise	Otherwise

253. The derivation of a student instance could be negatively affected by records that have an end date that falls before the academic year of data. When this occurs, only information that could improve the outcome of the student or improve the derivation of the student instance are kept. The rationales for this are:

a. The coverage of the ILR provider support manual states that in addition to students on learning aims that are actively studying in the academic year, aims that were completed in the previous academic year where the outcome was not known should also be recorded. Where records are reported with an end date that falls before the academic year of data, without a successful completion outcome, they are not used because any extra data would not improve the outcome recorded for the student previously.

b. There is guidance in the ILR provider support manual that describe approaches to correcting errors in the return for students that are actively studying in the previous academic year. These include reporting the end date as the same day as the start date, and where the field WITHDRAWREASON contains code 40, learner has transferred to a new learning aim with the same provider. Where students are not recorded in this way, they are not used because any extra data would not improve the derivation of a student instance.

c. From 2015-16, the ILR provider support manual states that component aims that are part of a traineeship or apprenticeship programme aim which are completed in previous years are returned in each data return until the student finishes the programme aim. As these completed component aims repeat information that was available in previous reporting periods, they are not used in the derivation of a student instance.

IPINSTANCEID

254. This field is an identifier for a student instance. The field is designed to record the coherent engagement of a student with the provider aiming towards the award, qualification(s) or credit. The use of this field allows a student instance to be tracked across academic years.

IPSOURCE = DDB

255. For students reported through the DDB's Student record (2022-23 or later), a student instance (equivalent to an engagement in DDB Student data) is uniquely identified by the combination of UKPRN, SID and NUMHUS. This data collection validates this year-on-year linking mechanism. IPINSTANCEID is defined as the concatenation of IPUKPRNRC, SID and NUMHUS, separated by |, for example, 99999999|000123456789|ABCDEF12345.

IPSOURCE = HESASTU or HESASAR

256. For students recorded in the legacy HESA student or HESA student alternative data collections, a student instance is uniquely identified by the combination of UKPRN, HUSID and NUMHUS. These data collections validate this year-on-year linking mechanism. IPINSTANCEID is defined as the concatenation of IPUKPRNRC, HUSID and NUMHUS, separated by |, for example, 99999999|000123456789|ABCDEF12345.

IPSOURCE = ILR

257. For students recorded in the ILR, there are no analogous identifiers that are validated which enable a student or a student instance to be reliably tracked across academic years. This field derives an identifier that is designed to broadly follow the definition of a student instance described by the designated data body (or an engagement in DDB Student data for 2022-23 onwards). Where a student has IPINSTANCETYPE = 1, IPINSTANCEID is defined as the concatenation of UKPRN, LEARNREFNUMBER, AIMSEQNUMBER and IPBASEYEAR, separated by |, for example, 99999999|000123456789|01|2019. Where IPBASEYEAR is

2012 or before, UPIN is also concatenated onto IPINSTANCEID. For all other students, IPINSTANCETYPE = 0, the following derivation applies.

258. To link students we use person-based linking which is described above in paragraphs 247 – 250. This is referred to as the 'linked student identifier' in this algorithm. Using this method rather than LEARNREFNUMBER allows us to track students where a LEARNREFNUMBER changes due to a merger.

259. We define a student instance in the ILR as a coherent engagement with the provider on a specific learning aim reference. Per linked student identifier, there may be multiple student instances where a student studies multiple learning aims over time or even in the same year. In this algorithm, each unique student instance is defined by a number which increments by 1 from 1. This number is referred to as the 'student instance identifier' in this algorithm.

260. Where a unique student instance has a reporting gap of more than two academic years, the student instance identifier is incremented after the reporting gap.

261. IPINSTANCEID is defined as the concatenation of IPUKPRNRC, the linked student identifier and the student instance identifier, separated by |. So that students can be more easily identified based on the originally submitted data, the linked student identifier has been transformed into the concatenation of UKPRN, LEARNREFNUMBER and IPBASEYEAR from the first time the student instance appears in the data for the provider, separated by |. For example, the IPINSTANCEID takes the form 99999999|<99999999|0123456789|2019>|1, where values within these signs '<>' are the linked student identifier.

Worked example

262. The worked example below describes three students - A, B and C:

- Student A studies a single learning aim consistently over three academic years. All records are assigned the same IPINSTANCEID.

- Student B studies two learning aims, X and Y over the three academic year period. In 2017-18, they are studying both X and Y at the same time. The LEARNREFNUMBER changes, but the linked student identifier identifies them as the same individual. For each of the learning aims, they are assigned a different student instance identifier and therefore this student has two different values of IPINSTANCEID.

- Student C studies a single learning aim, Z, but has data reported in 2014-15, 2017-18 and 2018-19. There is a gap of 2 academic years between 2014-15 and 2017-18. Therefore, despite studying a single learning aim overall, this would be treated as two separate student instances; one instance covering the activity in 2014-15, and another instance covering the activity in 2017-18 and 2018-19, each with a different IPINSTANCEID.

263. In the worked example, we also demonstrate how each of these three students would be assigned a linked student identifier, based on the concatenation of UKPRN, LEARNREFNUMBER and IPBASEYEAR from the first time the student instance appears in the data for the provider.

Student	Linked student identifier	LEARNREFNUMBER	LEARNAIMREF	Academic year	Student instance identifier	IPINSTANCEID
A	UKPRN|1|2016	1	W	2016-17	1	IPUKPRNRC|UKPRN|1|2016|1
A	UKPRN|1|2016	1	W	2017-18	1	IPUKPRNRC|UKPRN|1|2016|1
A	UKPRN|1|2016	1	W	2018-19	1	IPUKPRNRC|UKPRN|1|2016|1
B	UKPRN|2|2016	2	X	2016-17	1	IPUKPRNRC|UKPRN|2|2016|1
B	UKPRN|2|2016	2	X	2017-18	1	IPUKPRNRC|UKPRN|2|2016|1
B	UKPRN|2|2016	3	Y	2017-18	2	IPUKPRNRC|UKPRN|2|2016|2
B	UKPRN|2|2016	3	Y	2018-19	2	IPUKPRNRC|UKPRN|2|2016|2
C	UKPRN|4|2014	4	Z	2014-15	1	IPUKPRNRC|UKPRN|4|2014|1
C	UKPRN|4|2014	4	Z	2017-18	2	IPUKPRNRC|UKPRN|4|2014|2
C	UKPRN|4|2014	4	Z	2018-19	2	IPUKPRNRC|UKPRN|4|2014|2

Linking between learning aims when the learning aim has changed

264. In the ILR, information recorded may change as a result of either a change in circumstances of the learner or a change to the learning aim reference they are studying. We take these scenarios into account in the derivation of IPINSTANCEID in the following way.

265. There is explicit guidance in the ILR provider support manual that describe scenarios where a learning aim reference could change, which we have incorporated in our derivation of the student instance identifier. Each scenario is described in the table below, alongside how they are identified in the data:

#	Scenario	How to identify it in the data
A	Correcting an incorrect learning aim reference	WITHDRAWREASON = 40, learner has transferred to a new learning aim with the same provider
B	Correcting a learning planned end date that is significantly incorrect	WITHDRAWREASON = 40, learner has transferred to a new learning aim with the same provider
C	Recording where a student transfers to a different apprenticeship with the same provider	WITHDRAWREASON = 40, learner has transferred to a new learning aim with the same provider
D	Learner takes an agreed break in learning	COMPSTATUS = 6, learner has temporarily withdrawn from the aim due to an agreed break in learning
E	Where a learner is recorded in subsequent years by different providers due to a provider merger	WITHDRAWREASON = 47, learner has transferred to another provider due to merger

266. Where any of these scenarios occur for linked student identifiers, we link across all learning aim references within the academic year and the next academic year for each linked student identifier. When making the link, for scenarios which can be identified in the data by WITHDRAWREASON = 40, the IPCOMDATE of the linked learning aim reference must be the same day or up to and including 30 days later than the IPACTENDDATE of the learning aim recorded with a WITHDRAWREASON = 40. For the other scenarios the IPCOMDATE of the linked learning aim reference must be the same day or later than the IPACTENDDATE of the learning aim it is being linked from.

267. Once we have identified all possible links between learning aim references, we prioritise linking on only the closest match in the following order:

    a. The learning aim reference is the same between the linked learning aim reference and the aim that has been recorded with one of the scenarios listed above.

    b. The numeric level of study (according to the higher education qualifications framework) of the linked learning aim reference that is closest to the equivalent of the aim that has been recorded with one of the scenarios listed above. In scenarios where there is a tie break and there are two linked learning aims which are equally close, priority is given to linked learning aims where the numeric level of study has increased.

    c. The lowest difference between the IPCOMDATE of the linked learning aim reference and the IPACTENDDATE of the learning aim recorded with one of the scenarios listed above.

    d. The lowest difference between the academic year of data of the linked learning aim reference and the academic year recorded with one of the scenarios listed above.

268. Where we link across learning aims, we do not link the same learning aim reference more than once per linked student identifier to avoid student instances overlapping. This means that at times, the linking may not prioritise the best choice of learning aim, because that aim has already been used. For example, if a student were studying two courses at the same time, and they took an agreed break from learning from both courses and then consequently

return to study two courses again, the algorithm would make sure that this remained as two student instance identifiers.

269. Once linked, the student instance identifier is adjusted and IPINSTANCEID is defined in the same way as for those students that are not affected by either a change in circumstances of the learner or a change to the learning aim reference they are studying. It is the concatenation of IPUKPRNRC, the linked student identifier and the student instance identifier, separated by |. So that students can be more easily identified based on the originally submitted data, the linked student identifier has been transformed into the concatenation of UKPRN, LEARNREFNUMBER and IPBASEYEAR from the first time the student instance appears in the data for the provider, separated by |. For example, the IPINSTANCEID takes the form 99999999|<99999999|0123456789|2019>|1, where values within the these signs '<>' are the linked student identifier.

Worked example

270. The worked example below describes two students - A and B:

271. Student A studies learning aim X, but on 1 October 2018, a change of circumstance is recorded with WITHDRAWREASON = 40 in academic year 2018-19. After linking to other activity of that student within the data recorded in 2018-19 and 2019-20, there are three potential learning aims to link on:

    - Learning aim W is not linked, because the start date of that course is before the end date of the learning aim with WITHDRAWREASON = 40.

    - Learning aim X could be linked. The learning aims match, the start date of the course is within 30 days of the end date of the learning aim with WITHDRAWREASON = 40 and the numeric level of study is the same. This aim exists in both the 2018-19 and 2019-20 academic year.

    - Learning aim Y could be linked. The learning aims do not match, the start date of the course is within 30 days of the end date of the learning aim with WITHDRAWREASON = 40, and the numeric level of study increases to 6.

272. For student A we link to learning aim X in 2018-19 rather than learning aim Y because priority is given to links where the learning aim matches. It is chosen over learning aim X in 2019-20 because this is the earliest academic year.

273. Student B studies learning aim X, but on 6 October 2018, they take an agreed break in learning, which is recorded with COMPSTATUS = 6 in academic year 2018-19. After linking to other activity of that student within the data recorded in 2018-19 and 2019-20, there are two potential learning aims to link on:

    - Learning aim Z could be linked. The learning aims do not match, the start date of the course is after the end date of the learning aim with COMPSTATUS = 6, but the numeric level of study is lower by one.

    - Learning aim Y could be linked. The learning aims do not match, the start date of the course is after the end date of the learning aim with COMPSTATUS = 6, but the numeric level of study is higher by one.

274. For student B we link to learning aim Y rather than learning aim Z. Since both had the same start date and both changed numeric level of study by one, priority was given on the basis that the numeric level of study increased for Y, whereas it decreased for Z.

Instances to be linked:

Student	LEARNAIMREF	End date	Numeric level of study	Data change flagged	Academic year
A	X	01 Oct 2018	5	WITHDRAWREASON = 40	2018-19
B	X	06 Oct 2018	5	COMPSTATUS = 6	2018-19

Possible links:

Student	LEARNAIMREF	Start date	Numeric level of study	Academic year	Link made?	Priority order
A	W	30 Sep 2018	5	2018-19	No	N/A
A	X	06 Oct 2018	5	2018-19	Yes	1
A	Y	10 Oct 2018	6	2018-19	Yes	3
A	X	06 Oct 2018	5	2019-20	Yes	2
B	Z	09 Sep 2019	4	2019-20	Yes	2
B	Y	09 Sep 2019	6	2019-20	Yes	1

Tracking instances across data sources

275. Where a provider has switched between reporting student data in the ILR to the designated data body (via the DDB's Student record or legacy data collections), or vice versa, the instance identifier has been tracked across data sources in the following way.

276. We use the linked student identifier to identify whether the student is present in higher education in the year preceding the change of data source and the first year the change of data source occurred. In these cases, the student instances are linked where the IPLEVEL is consistent and the IPCOMDATE of the year preceding the change of data source and the IPCOMDATE of the first year of the change of data source occurred is within 30 days inclusive in either direction. If there is a tie, priority is given based on where the IPCOMDATEs are most similar.

277. IPINSTANCEID is defined in the same way as described above based on the IPSOURCE of the first year the change of data source occurred. For example, if the provider switched between reporting student data in the ILR to reporting student data to the designated data body, IPINSTANCEID is defined (depending on the academic year in question) following the method for IPSOURCE = HESASTU or HESASAR or DDB described above, because that represents the source of data after the change of data source happened.

IPINSTANCELEARNAIMREF

278. This field contains the learning aim reference (LEARNAIMREF) associated with IPINSTANCEID.

IPSOURCE = HESASTU or HESASAR or DDB

279. This field is set to BLANK.

IPSOURCE = ILR

280. This field contains the LEARNAIMREF from the latest year of data available per student instance, IPINSTANCEID. In the scenarios described by the IPINSTANCEID algorithm where a student instance identifier is linked across multiple learning aim references, this means that IPINSTANCELEARNAIMREF may not be the same as LEARNAIMREF.

IPINSTANCEACTENDDATE

281. This field contains the end date associated with IPINSTANCEID.

IPSOURCE = HESASTU or HESASAR or DDB

282. This field is set to IPACTENDDATE, except in the scenario where the provider has switched from returning student data to the designated data body to returning ILR data and students have been linked across. In these scenarios, at the point the link has been made, we have assumed that IPACTENDDATE would not reflect where a student has stopped learning and hence we set IPINSTANCEACTENDDATE to BLANK.

IPSOURCE = ILR

283. This field is set to IPACTENDDATE, except in the scenarios described by IPINSTANCEID algorithm where a student instance identifier is linked across multiple learning aim references. The guidance in the ILR provider support manual is explicit that LEARNACTENDDATE is reported in all of these scenarios. In these scenarios, LEARNACTENDDATE would not reflect where a student has stopped learning. Therefore, for students affected by one of these scenarios, we have ignored IPACTENDDATE and hence set IPINSTANCEACTENDDATE to BLANK. In the scenario where the provider has switched from returning ILR data to returning data to the designated data body and students have been linked across, at the point the link has been made IPINSTANCEACTENDDATE is also set to BLANK.

IPINSTANCEEXCL_PREENTROW

284. This field identifies records associated with a student instance that occur before the student is first declared as an entrant (when IPENTRANTEXCL = 0). This field is set to 1 where this is the case. Otherwise, it set to 0.

Fields used for entry qualification information

Linking to other data sources for entry qualification information

285. To generate accurate information on student entry qualification, we have linked the designated data body (DDB) Student record, the DDB's legacy data collections (the Student record and 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). DDB Student data and legacy data collections contain entry qualification information, which we use to derive the XXXX_DDB fields listed below (_DDB algorithms). However, for students in DDB Student data and legacy data collections we also calculate XXXX_LINKED fields for two reasons, using the same method as for ILR data. Firstly, in cases of incomplete DDB Student data we can still derive entry qualifications by linking it to other sources. Secondly, linking DDB Student 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).

286. For all fields in paragraphs 289 to 316, XXXX_DDB shows the unlinked version, applicable only to records from the DDB's Student record and legacy data collections. XXXX_LINKED shows the linked version, applicable to all records from all sources (DDB Student record and legacy data collections, and the ILR). XXXX (no suffix) is chosen from between these two fields according to the value of IPL3SOURCE for DDB Student record and legacy data collections. For ILR data, XXXX is always equal to XXXX_LINKED.

287. We link to ILR and NPD data, from 2002-03 to the academic year prior to the DDB Student record, legacy Student or Student Alternative record, or ILR return in question, inclusive, to find prior qualifications and grades achieved for students recorded in the DDB Student record or ILR. For example, for students in the 2023-24 DDB Student record or ILR return, we link to ILR and NPD data from 2002-03 to 2022-23 inclusive. We use person-based linking, as described in paragraphs 247 – 250. The DfE does not accept responsibility for any inferences or conclusions derived from the NPD data by third parties.

288. The algorithms that follow make reference to the variables QUALTYPEID and ENTRYQUALAWARDRESULT.[29] The Learning Aim References recorded in ILR data have been mapped to the relevant QUALTYPEIDs, and grades to the appropriate ENTRYQUALAWARDRESULT.

IPTARIFF

289. 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 DDB derived field Z_TARIFF for

[29] These variables are defined at https://www.hesa.ac.uk/collection/23056/datadictionary?element=EntryQualificationAward.

2023-24. The full specification for Z_TARIFF in 2023-24 can be found on the HESA website.[30] IPTARIFF is capped at 9998.

290. For DDB Student record and legacy data collections, this field will match either IPTARIFF_DDB or IPTARIFF_LINKED depending on IPL3SOURCE. For ILR data it will match IPTARIFF_LINKED.

IPTARIFF_DDB

291. This field is as above in IPTARIFF, but uses entry qualification data as returned in the DDB Student record and legacy data collections.

IPTARIFF_LINKED

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

IPQUALENT3

293. This field categorises students according to their highest qualification on entry using HIGHESTQOE or QUALENT3. For DDB Student record or legacy data collections, this field will match either IPQUALENT3_DDB or IPQUALENT3_LINKED depending on IPL3SOURCE. For ILR data it will match IPQUALENT3_LINKED.

IPQUALENT3_DDB

294. This field categorises students according to their highest qualification on entry using HIGHESTQOE or QUALENT3 (where they exist).

IPSOURCE = DDB

295. IPQUALENT3_DDB is equal to HIGHESTQOE.

IPSOURCE = HESASTU or HESASAR

296. IPQUALENT3_DDB is equal to QUALENT3.

IPSOURCE = ILR

297. This field is not calculated.

IPQUALENT3_LINKED

IPSOURCE = DDB

298. IPQUALENT3_LINKED is set as follows and uses both HIGHESTQOE and the detailed qualification types and grades found from linking to the ILR and NPD, as described in paragraphs 285 to 288.

[30] See https://www.hesa.ac.uk/collection/23056/deriveddatadictionary?element=Engagement_Z_TARIFF.

Value	Description	Definition
Value of HIGHESTQOE	The highest qualification on entry is higher education, a foundation course or an International Baccalaureate	HIGHESTQOE = D0000, D0001, D0002, M0000, M0001, M0009, M0012, M0016, M0021, M0022, H0000, H0001, H0002, H0013, H0016, M0002, I0000, J0000, J0002, J0003, J0008, J0009, J0010, C0000, C0001, C0007, C0008, C0010 or (HIGHESTQOE = P0008, P0009 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))
P0016	The highest qualification on entry is at Level 3 and attracts tariff points	IPTARIFF_LINKED > 0 and (HIGHESTQOE ≠ *BLANK* or (HIGHESTQOE = BLANK and IPQUALENT2_DDB = BLANK)) and not above
P0014	The highest qualification on entry is at Level 3 and does not attract tariff points	At least one QUALTYPEID exists and (HIGHESTQOE ≠ *BLANK* or (HIGHESTQOE = BLANK and IPQUALENT2_DDB = BLANK)) and not above
Value of HIGHESTQOE	The highest qualification on entry is at Level 3 and its tariff points cannot be determined, or it is below Level 3	HIGHESTQOE ≠ *BLANK* and not above
BLANK	Otherwise	Otherwise

IPSOURCE = HESASTU, HESASAR or ILR

299. 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 285 to 288.

Value	Description	Definition
Value of QUALENT3	The highest qualification on entry is higher education, a foundation course or an International Baccalaureate	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 (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))

Value	Description	Definition
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 QUALTYPE 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

300. This field categorises students according to their highest qualification on entry using QUALENT2. For records from the DDB's Student record and legacy Student and Student Alternative data collections, this field will match either IPQUALENT2_DDB or IPQUALENT2_LINKED depending on IPL3SOURCE. For ILR data it will match IPQUALENT2_LINKED.

IPQUALENT2_DDB

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

IPSOURCE = HESASTU

302. IPQUALENT2_DDB is equal to QUALENT2 for students in 2013-14 and earlier data, or equal to XQUALENT2 for students in 2014-15 data onwards.

IPSOURCE = DDB, HESASAR or ILR

303. This field is not calculated.

IPQUALENT2_LINKED

304. 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 285 to 288.

IPSOURCE = HESASTU, HESASAR or DDB

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_DDB = *BLANK*
39	The highest qualification on entry is at Level 3 and may attract tariff points	At least one QUALTYPE exists and IPQUALENT3_DDB = *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_DDB = *BLANK* and QUALENT2 ≠ *BLANK* and not above
BLANK	Otherwise	Otherwise

Note: QUALENT2 does not exist in DDB data from 2022-23 onwards, so IPQUALENT2_LINKED will be blank for DDB records.

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 IPQUALENT3_LINKED = *BLANK*

Value	Description	Definition
39	The highest qualification on entry is at Level 3 and may attract tariff points	At least one QUALTYPE 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

305. This field categorises students, where the student has A-levels, Scottish Highers, Scottish Advanced Highers or an International Baccalaureate on entry (QUALTYPEID[31] = A, RE, RN, RW, DA, D1, V, V2, 9U, AN, H, AH, IE, IB, IS, ID, IC, IX), or BTECs on entry (QUALTYPE = 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, 9D, 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.

306. 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.

307. 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.

308. 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.

309. For DDB Student data and legacy data collections, this field will match either IPGRADECOMB_DDB or IPGRADECOMB_LINKED depending on IPL3SOURCE. For ILR data it will match IPGRADECOMB_LINKED.

[31] Variable QUALTYPE for IPSOURCE = HESASTU, HESASAR or ILR.

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, AAADD, 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	**IPSOURCE=HESASTU, HESASAR, ILR** QUALENT3 = P62, P63 or (QUALENT2 = 47 and QUALENT3 = *BLANK*) or Student has at least 1 x QUALTYPE = IE of which the highest QUALGRADEZZ is at least 24 points, or (Student has only QUALTYPE in (IB, IE, IS, ID, IC, IX) and (total tariff points for these QUALTYPEs > 0 or student has at least 1 x QUALTYPE = IE of which the highest QUALGRADEZZ is 1 to 23 points) or total IB points (i.e. total tariff points from QUALTYPEs in (IB, IS, ID) plus tariff points from best QUALTYPE in (IC, IX)) > 0.5 × IPTARIFF) and not above **IPSOURCE=DDB** HIGHESTQOE = P0008, P0009 or Student has at least 1 x QUALTYPEID = 1E of which the highest ENTRYQUALAWARDRESULTZZ is at least 24 points, or (Student has only QUALTYPEID in (IB, IE, IS, ID, IC, IX)) and (total tariff points for these QUALTYPEIDs > 0 or student has at least 1 x QUALTYPEID = IE of which the highest ENTRYQUALAWARDRESULTZZ is 1 to 23 points) or total IB points (i.e. total tariff points from QUALTYPEIDs in (IB, IS, ID) plus tariff points from best QUALTYPEID in (IC, IX)) > 0.5 x IPTARIFF) and not above

The BTEC groups

In the tables that follow we have referred to the variable QUALTYPEID. For IPSOURCE = HESASTU, HESASAR or ILR this should be read as QUALTYPE.

Triple BTEC

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

Group	QUALTYPEID = B, B3, B5, BD, BE, BU, EY, 8C, Q1	QUALTYPEID = B, B3, B5, BD, BE, BU, EY, 8C, Q1	QUALTYPEID = B, B3, B5, BD, BE, BU, EY, 8C, Q1
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	QUALTYPEID = 4C, B, B0, B2, B6, BE, BV, EF, 6C, Q4, PN	QUALTYPEID = 4C, B, B0, B2, B6, BE, BV, EF, 6C or QUALTYPEID = BZ, 7C
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
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

One double and one 90-credit BTEC

Group	QUALTYPEID = 4C, B, B0, B2, B6, BE, BV, EF, 6C, Q4, PN	QUALTYPEID = 8I, Q2, Q3, PY
BTECD*D*D*	D*D*, SS	D*, S
BTECD*D*D	D*D*, SS	D

Group	QUALTYPEID = 4C, B, B0, B2, B6, BE, BV, EF, 6C, Q4, PN	QUALTYPEID = 8I, Q2, Q3, PY
BTECD*D*D	D*D, SD	D*, S
BTECD*DD	D*D, SD	D
BTECD*DD	DD	D*, S
BTECDDD	DD	D
BTECDDM	D*D*, SS	M
BTECDDM	D*D, SD	M
BTECDDM	DD	M
BTECDDM	DM	D*, S
BTECDDM	DM	D
BTECDMM	DM	M
BTECMMM and below	Not above	Not above

Two single and one 90-credit BTEC

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

Group	QUALTYPEID = B, B3, B5, BD, BE, BU, EY, 8C, Q1	QUALTYPEID = B, B3, B5, BD, BE, BU, EY, 8C, Q1	QUALTYPEID = BZ, 7C
Group	QUALTYPEID = B, B3, B5, BD, BE, BU, EY, 8C, Q1	QUALTYPEID = B, B3, B5, BD, BE, BU, EY, 8C, Q1	QUALTYPEID = 8I, Q2, Q3, PY
BTECD*D*D*	D*, S	D*, S	D*, S
BTECD*D*D	D*, S	D*, S	D
BTECD*D*D	D*, S	D	D*, S
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
BTECDDM	D	M	D
BTECDMM	D	M	M
BTECMMM and below	Not above	Not above	Not above

Two 90-credit BTECs

Group	QUALTYPEID = BZ, 7C	QUALTYPEID = BZ, 7C
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
Group	QUALTYPEID = 8I, Q2, Q3, PY	QUALTYPEID = 8I, Q2, Q3, PY
BTECD*D*D*	D*, S	D*, S
BTECD*D*D	D*, S	D
BTECDDD	D	D

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

The mixed A-levels and BTECs groups

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

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

The Other Level 3 group

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

The No Level 3 group

Group	Definition
NOL3	Otherwise

IPGRADECOMB_DDB

310. This field is as above in IPGRADECOMB, but uses entry qualification data as returned in the DDB's Student record or legacy data collections (Student and Student Alternative).

IPGRADECOMB_LINKED

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

IPENTQUALGRP

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

313. For DDB Student, and legacy HESA data, this field will match either IPENTQUALGRP_DDB or IPENTQUALGRP_LINKED depending on IPL3SOURCE. For ILR data it will match IPENTQUALGRP_LINKED.

Value	Description	Definition
HEPG	Higher education: Postgraduate level	IPQUALENT3 in (D0000, D0001, D0002, M0000, M0001, M0009, M0012, M0016, M0021, M0022, H0013) or 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 (H0000, H0001, H0002, I0000, M0002) or

Value	Description	Definition
		IPQUALENT3 in (M2X, H11, HUK, HZZ, JUK) or (IPQUALENT2 in (10, 11) and IPQUALENT3 = *BLANK*) and not above
HEOUG	Higher education: Other undergraduate level	IPQUALENT3 in (C0000, C0001, C0007, C0008, H0016, J0000, J0002, J0003, J0008, J0010, C0010, C0004, J0007) or 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 QUALTYPEID 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, 9D, 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 ENTRYQUALAWARDRESULTZZ is at least a pass grade or Student has at least 1 x QUALTYPE 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,

Value	Description	Definition
		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 313	Other Level 3 qualifications (with tariff)	(IPQUALENT3* = P (excluding P0008, P0009, P62, P63) or (IPQUALENT2 in (39, 40) and IPQUALENT3 = *BLANK*)) and IPTARIFF > 0 and not above
GNVQ/NVQ	GNVQ/NVQ	IPQUALENT2 in (37, 38) and IPQUALENT3 = *BLANK* and not above
FOUND	Foundation course	IPQUALENT3 = J0009 or IPQUALENT3 = J49 or (IPQUALENT2 in (29, 43, 72) and IPQUALENT3 = *BLANK*) and not above
ACCESS	Access course	IPQUALENT3 in (X0000, X0001) or IPQUALENT3 in (X00, X01) or (IPQUALENT2 in (44, 45, 48) and IPQUALENT3 = *BLANK*) or

Value	Description	Definition
		student has at least 1 x QUALTYPEID in (LD, Y1, Y2, Y3, Y4, Y5, Y6, Y7, Y8, Y9, YA, YB, YC, YD, YF) for which ENTRYQUALAWARDRESULTZZ is at least a pass grade or student has at least 1 x QUALTYPE 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 P0008, P0009, P62, P63) or (IPQUALENT2 in (39, 40) and IPQUALENT3 = *BLANK*) and not above
NONE	No formal qualifications	IPQUALENT3 in (X0002, X0004) or 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 = X0003 or IPQUALENT3 = X04 or (IPQUALENT2 in (55, 56, 57, 94, 97) and IPQUALENT3 = *BLANK*)) 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 = X0003 or

Value	Description	Definition
		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

314. 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_DDB

315. This field is as above in IPENTQUALGRP, but uses entry qualification data as returned in the DDB's Student record or legacy data collections (HESA Student and Student Alternative records). In addition, any instances of IPQUALENT2, IPQUALENT3 or IPGRADECOMB in the main algorithm should be replaced by IPQUALENT2_DDB, IPQUALENT3_DDB or IPGRADECOMB_DDB respectively.

IPENTQUALGRP_LINKED

316. 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.

IPL3SOURCE

IPSOURCE = HESASTU or HESASAR or DDB

317. This field shows whether the DDB's Student data (or legacy data collections) level 3 qualifications on entry data, or the linked ILR and NPD level 3 qualifications data, was used to inform entry qualification derived fields. IPL3SOURCE = DDB if the DDB's Student data or legacy data collections have been used, IPL3SOURCE = ILRNPD if the linked data has been used.

    a. Where IPGRADECOMB_DDB 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 DDB Student data and legacy data collections.

IPSOURCE = ILR

318. This field is set to ILRNPD.

IPENTQUALBROAD

This is a key field

319. IPENTQUALBROAD assigns a broad grouping of entry qualifications for use in benchmarking.

Value	Description	Definition
1	A-levels (AAA or higher)	IPENTQUALGRP in (A*A*A*A*, A*A*A*A, A*A*AA, A*AAA, AAAA, A*A*A*, A*A*A, A*AA, AAA)
2	A-levels (ABB or higher)	IPENTQUALGRP in (AAB, ABB, AAC)
3	A-levels (BCC or higher) or international baccalaureate	IPENTQUALGRP in (BBB, ABC, BBC, BCC, ACC, BACC)
4	A-levels (CDD or higher)	IPENTQUALGRP in (CCC, CCD, CDD)
5	A-levels (DDD or lower), other level 3 qualification (105 tariff points or higher) or two A-levels and one BTEC	IPENTQUALGRP in (DDD, Below DDD, 2A1B, >115, >105)

Value	Description	Definition
6	HE-level	IPENTQUALGRP in (HEFD, HEOUG, HEPG)
7	BTECs (at least DDD), or one A-level and two BTECs	IPENTQUALGRP in (BTECD*D*D*, BTECD*D*D, BTECD*DD, BTECDDD, 1A2B)
8	BTECs (DDM or lower)	IPENTQUALGRP in (BTECDDM, BTECDMM, BTECMMM and below, BTECL, BTECO)
9	Unspecified qualifications held by non-UK domiciled students	IPENTQUALGRP = OTHERS_NONUKDOM
10	Access or foundation courses, or other level 3 qualification (65 tariff points or higher)	IPENTQUALGRP in (ACCESS, FOUND, GNVQ/NVQ, LEV3, >90, >80, >65)
11	None, unknown or other entry qualifications	IPENTQUALGRP in (>40, >0, OTHERS, NONE, UNKNOWN)

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

320. 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 DDB Student, legacy HESA Student and Student Alternative and ILR data with schools' NPD data using person-based linking, as described in paragraphs 247 – 250. 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

321. 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

322. 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 definition of an entrant

IPENTRANTEXCL1

323. This field indicates that a student is excluded from the entrant populations as they are not part of the relevant higher education (HE) category.

Value	Description	Definition
0	The student was actively studying mainly in the UK, and may be writing up at the end of their year	IPHECAT in (4, 5)
1	The student is not part of the relevant HE category	Otherwise

IPENTRANTEXCL2

324. This field indicates that a student is excluded from the entrant population as they were not an entrant in the base year. For students on the legacy HESA Student record, PGR students transferring to a new provider as part of a collaborative provision arrangement are treated as an entrant at the new provider.

IPSOURCE = DDB

Value	Description	Definition
0	The student started their course in the base year	IPCOMDATE ≥ 17 July 20YY and IPCOMDATE < 17 July 20YY+1
1	The student did not start their course in the base year	Otherwise

Note: PGR students transferring to a new provider as part of a collaborative arrangement should be given a new engagement start date, so they should be counted as entrants at the new provider by our definition. See this guidance for reference: Further Guidance on PGR Collaborative Supervision Arrangements

IPSOURCE = HESASTU

Value	Description	Definition
0	The student started their course in the base year	(IPCOMDATE ≥ 17 July 20YY and IPCOMDATE < 17 July 20YY+1) or (COLFROMPROV ≠ *BLANK* and COLFROMDATE ≥ 17 July 20YY and COLFROMDATE < 17 July 20YY+1 and (IPACTENDDATE = *BLANK* or IPACTENDDATE – COLFROMDATE > 14 days))

Value	Description	Definition
1	The student did not start their course in the base year	Otherwise

Note: COLFROMDATE and COMFROMPROV only used in 2015-16 onwards.

IPSOURCE = HESASAR or ILR

Value	Description	Definition
0	The student started their course in the base year	IPCOMDATE ≥ 17 July 20YY and IPCOMDATE < 17 July 20YY+1
1	The student did not start their course in the base year	Otherwise

IPENTRANTEXCL4

325. In the event that a student is studying multiple instances at the same provider, in the same calendar year, our student outcome and experience measures will only count each student as an entrant a maximum of once per year, provider, and broad level of study. We prioritise active records with the earliest start date.

326. For each record, we check whether the student was actively studying at the same provider at the same broad level (as determined by IPLEVELBROAD) at any point in the previous 365 days. We link instances within the 365 day period using person-based linking as described in paragraphs 247 – 250, and we check for both:

    a. active records in the same academic year that have an earlier IPCOMDATE value, and

    b. active records in the previous academic year with either a blank IPACTENDDATE, or an IPACTENDATE within 365 days of the IPCOMDATE of the record in the base year.

327. A record is defined as active for these purposes if:

    a. OFSHE = 1, and

    b. IPMODE ≠ OTH (records with IPSOURCE equal to HESASTU, HESASAR and DDB only), and

    c. REDUCEDI ≠ 04 (records with IPSOURCE equal to HESASTU only).

328. If we find a record with active study at the same provider at the same broad level in the previous 365 days, this field is set to 1, otherwise it will be set to 0.

329. If the student has another record in the same academic year with the same IPCOMDATE, and no prior records in the past 365 days, then the following precedence is applied:

    – The record that has IPENTRANTEXCL1 = 0 is taken

    – If there is more than one record with IPENTRANTEXCL1 = 0, the active record (defined according to paragraph 326) is taken

- If there is more than one active record, the record with the highest level of study (using IPLEVELNUM) is taken
- If there is more than one record with the highest level of study, the record without an end date is taken (using IPACTENDDATE)
- If there are still multiple records at the highest level of study, the record with the latest end date is taken (using IPACTENDDATE)
- If there are still multiple records at the highest level of study and the same highest/blank end dates, the mode of study (IPMODE) is taken into account. Records are prioritised in the following order:
  - Apprentice (IPMODE = APPR)
  - Full-time (IPMODE = FT)
  - Part-time (IPMODE = PT)
- Writing up, previously full-time (IPMODE = WUPFT)
- Writing up, previously part-time (IPMODE = WUPPT)
- If there are still multiple records, the record with the highest IPSTULOAD is taken.

330. If there are multiple records after applying all these rules, the final tie breaks are chosen consistently by taking the first identifier alphabetically. Identifiers UKPRN, LEARNREFNUMBER and AIMSEQNUMBER, as well as LEARNAIMREF, are used for ILR records, and UKPRN, SID/HUSID and NUMHUS are used for DDB and legacy HESA records.

331. We note that when a student changes **course** within the same level of study during their first year of study, this will not always result in a provider submitting multiple student records for that individual (for example, from BSc Mathematics to BSc Economics, from an HNC to an HND programme, or from a course involving a sandwich year to one that does not). This means that these sorts of course changes are not often evidenced within legacy HESA Student data returns, which report only the course that a student was studying at the end of the data reporting period. It follows that they cannot trigger IPENTRANTEXCL4 = 1.

332. When a student changes **provider** during their first year then this will normally result in both of the providers at which the student registers returning student data about that student. If that data indicates that the time spent at one of those providers was less than two weeks, this would result in the student being excluded from all student outcome and experience measures in relation to study at that provider (see IPENTRANTEXCL2). If the data shows that the student spent at least two weeks at each provider, that student would contribute to the entrant populations of both the provider they changed from and the provider they changed to. This is because the previous study we identify for that student in the previous calendar year was not at the same registering provider.

IPENTRANTEXCL

This is a key field

333. This field indicates whether the student will be included in the entrant populations.

334. Students included in the entrant population have IPENTRANTEXCL = 0. For students excluded from the entrant population, IPENTRANTEXCL contains the sum of all applicable values from the table below. The field is computed as (1 × IPENTRANTEXCL1) + (2 × IPENTRANTEXCL2) + (4 × IPENTRANTEXCL4). The reasons that contributed to the exclusion can therefore be determined.

Value	Description	Definition
1	The student was not part of the relevant HE category	IPENTRANTEXCL1 = 1
2	The student was not an entrant in the base year	IPENTRANTEXCL2 = 1
4	The student was active in the previous 365 days at the same provider and broad level	IPENTRANTEXCL4 = 1
0	Otherwise	None of the above

Fields used in the generation of the access indicators

335. This section is only relevant to the construction of the access and participation data dashboard.

IPACCEXCL

This is a key field

336. 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 (IPENTRANTEXCL) + (8 × IPINTERCALATE). The reasons that contributed to the exclusion can therefore be determined.

Value	Description	Definition
Value of IPENTRANTEXCL	The student was not in the entrant population	IPENTRANTEXCL
8	The student was intercalating in the base year	IPINTERCALATE = 1
0	Otherwise	None of the above

Fields used in the generation of the continuation and completion indicators

Linking between years

337. In the continuation and completion indicators for a given base year, we need to link data from the DDB's Student (or legacy Student and Student Alternative records) and the ILR to other years of data to evaluate outcomes. We link student data across years and providers using person-based linking, described in paragraphs 247 – 250.

338. A number of the fields used in the generation of the continuation and completion outcomes described by this document are calculated for multiple years of the student data. Where a field is determined in the same way for each year following the base year, the field is suffixed with _YX. This denotes that the field is calculated in the same way for each year, but the data used is from X years following the current academic year (e.g. _Y1 where data is used one year following the base year). 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).

339. The fields prefixed with IPCON are used in the calculation of both continuation and completion indicators but for different years.

IPCONQUAL

340. This field allocates the level of qualification awarded to the student during the reporting year for use in the assessment of continuation and completion outcomes.

Value	Description	Definition
Value of IPAWARDLEVEL	Student was awarded a HE qualification in the reporting year	IPQUALIFIER in (1, 2, 3)
OTH	Other	Otherwise

IPCONACTIVE

341. This field indicates whether the student was actively studying for the purpose of continuation and completion indicators.

342. 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 337 to 339) for more detail.

IPSOURCE = HESASTU or ILR

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

Value	Description	Definition
		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

IPSOURCE = DDB

Value	Description	Definition
1	Student is active	Z_ACT_CYC = 1
0	Student is not active	Otherwise

IPCONVALIDMODE

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

Value	Description	Definition
APPR FT PT WUPFT WUPPT	Apprenticeship, full-time, part-time and writing up are valid modes	IPLEVEL in (PHD, OPGR, PGTM, PGCE, OPGT)
APPR FT PT	Only apprenticeship, full-time and part-time are valid modes	Otherwise

IPCONCENSUS_YX

344. This field indicates the anniversary of the date 15 days after the student's start date such that it lies within the academic year X years following the base year.

IPCONBASEYRQUAL_HE

345. This field considers all records for the student in the base year and indicates whether the student went on to receive a HE qualification at the same provider in that academic year.

346. Where one record satisfies the criteria for IPCONBASEYRQUAL_HE = 1, then all records in the base year for that student at the same provider will be categorised in the same way, unless the IPCOMDATE for the record falls after the qualification was awarded.

Value	Description	Definition
1	Student subsequently received a HE qualification at the same provider in that academic year	IPCONQUAL in (PHD, OPGR, PGTM, PGCE, OPGT, PUGD, PUGO, DEG, OUG)

Value	Description	Definition
0	Student did not subsequently receive a HE qualification at the same provider in that academic year	Otherwise

IPCONBASEYRQUAL_CREDIT

347. This field considers all records for the student in the base year and indicates whether the student went on to qualify with credit at the same provider in that academic year.

348. Where one record satisfies the criteria for IPCONBASEYRQUAL_CREDIT = 1, then all records in the base year for that student at the same provider will be categorised in the same way, unless the IPCOMDATE for the record falls after the qualification was awarded.

Value	Description	Definition
1	Student subsequently qualified with credit at the same provider in that academic year	IPCONQUAL in (UGCREDIT, UGUNSPEC, PGCREDIT, PGUNSPEC)
0	Student did not subsequently qualify with credit at the same provider in that academic year	Otherwise

IPCONBASEYRTRAN_HE

349. This field considers all records for the student in the base year and indicates whether the student was found to be subsequently actively studying at a different provider at HE level for more than 14 days in that academic year.

350. Where a record satisfies the criteria for IPCONBASEYRTRAN_HE = 1, only other records in the base year for that student corresponding to prior study at a different provider will be categorised with IPCONBASEYRTRAN_HE = 1. Prior study is identified by comparing COMDATE values and different providers are identified by comparing IPUKPRNRC values.

Value	Description	Definition
1	Student was actively studying at a different provider at HE level for more than 14 days in the base year	IPCONQUAL in (PHD, OPGR, PGTM, PGCE, OPGT, PUGD, PUGO, DEG, OUG) or (IPLEVEL in (PHD, OPGR, PGTM, PGCE, OPGT, PUGD, PUGO, DEG, OUG) and IPCONVALIDMODE contains IPMODE and IPCONACTIVE = 1 and (IPACTENDDATE = *BLANK* or IPACTENDDATE - IPCOMDATE > 14 days))

Value	Description	Definition
0	Student was not actively studying at a different provider at HE level for more than 14 days in the base year	Otherwise

IPCONBASEYRTRAN_CREDIT

351. This field considers all records for the student in the base year and indicates whether the student was found to be actively studying at a different provider for credit for more than 14 days in that academic year.

352. Where a record satisfies the criteria for IPCONBASEYRTRAN_CREDIT = 1, only other records in the base year for that student corresponding to prior study at a different provider will be categorised with IPCONBASEYRTRAN_CREDIT = 1. Prior study is identified by comparing COMDATE values and different providers are identified by comparing IPUKPRNRC values.

Value	Description	Definition
1	Student was actively studying for credit at a different provider for more than 14 days in the base year	IPCONQUAL in (UGCREDIT, UGUNSPEC, PGCREDIT, PGUNSPEC) or (IPLEVEL in (UGCREDIT, UGUNSPEC, PGCREDIT, PGUNSPEC) and IPCONVALIDMODE contains IPMODE and IPCONACTIVE = 1 and (IPACTENDDATE = *BLANK* or IPACTENDDATE - IPCOMDATE > 14 days))
0	Student was not actively studying for credit at a different provider for more than 14 days in the base year	Otherwise

IPCONBASEYRPENDING

353. This field considers all records for the student in the base year and indicates whether the student completed their studies with an unknown result at the same provider in that academic year.

354. Where one record satisfies the criteria for IPCONBASEYRPENDING = 1, then all records in the base year for that student at the same provider will be categorised in the same way, unless the IPCOMDATE for the record falls after the student completed their studies.

IPSOURCE = HESASTU or HESASAR

Value	Description	Definition
1	Student completed their studies with an unknown result at the same provider in that academic year	RSNEND = 98
0	Student did not complete their studies with an unknown result at the same provider in that academic year	Otherwise

IPSOURCE = ILR

355. This field is not calculated.

IPSOURCE = DDB

Value	Description	Definition
1	Student completed their studies with an unknown result at the same provider in that academic year	RSNENGEND = 98 and IPACTENDDATE ≠ *BLANK*
0	Student did not complete their studies with an unknown result at the same provider in that academic year	Otherwise

IPCONINDFULL_YX

This is a key field

356. This field indicates the continuation and completion outcome of a student on their census date X year(s) and 15 days after entry. For example IPCONINDFULL_Y1 indicates the outcome of a student on their census date 1 year and 15 days after entry.

357. The criteria described by IPCONINDFULL_YX represent a hierarchy of outcome categories from positive to negative, with a student assigned to the first, most positive outcome category that they satisfy. For the avoidance of doubt, this remains the case in the event that a student generates multiple student records in any of the linked years, as a result of changing course or provider.

358. The clauses below that apply to continuation and completion outcomes in the interim year(s) (between the year the student started their studies and the year in which the census lies) are applied to each and every interim year, which are denoted Yi in the algorithm below. If the interim year clause is satisfied for any of the interim years, then the relevant field value will be attributed. The outcomes that are evaluated, and the interim years that apply to each are:

- IPCONINDFULL_Y1, does not have any interim years
- For IPCONINDFULL_Y2, the interim year is Y1
- For IPCONINDFULL_Y4, the interim years are Y1, Y2, and Y3
- For IPCONINDFULL_Y6, the interim years are Y1, Y2, Y3, Y4, and Y5

359. This means that any student that satisfies the definition of a qualifier (see IPCONQUAL) and was recorded as being awarded a qualification on or before the relevant continuation or completion measure census date, will count as a positive outcome on the measure in question. For the avoidance of doubt, this includes the award of exit qualifications (including where these are captured in ILR data through the recording of the student's outcome as 'partial achievement' and 'learning activities complete but the outcome is not yet known').

Value	Description	Definition
QUALIFIED	The student qualified from higher education study at the same provider in the base year	IPCONQUAL in (PHD, OPGR, PGTM, PGCE, OPGT, PUGD, PUGO, DEG, OUG) or IPCONBASEYRQUAL_HE = 1
QUALIFIED	The student qualified from higher education study at the same provider in an interim year	IPCONQUAL_Yi in (PHD, OPGR, PGTM, PGCE, OPGT, PUGD, PUGO, DEG, OUG) and IPUKPRNRC = IPUKPRNRC_Yi
QUALIFIED	The student qualified from higher education study at the same provider within X year(s) and 15 days after their entry to higher education	IPACTENDDATE_YX ≠ *BLANK* and IPACTENDDATE_YX ≤ IPCONCENSUS_YX and IPUKPRNRC = IPUKPRNRC_YX and IPCONQUAL_YX in (PHD, OPGR, PGTM, PGCE, OPGT, PUGD, PUGO, DEG, OUG)
CONTINUING	The student was active on higher education study at the same provider X year(s) and 15 days after their entry to higher education	IPCOMDATE_YX ≤ IPCONCENSUS_YX and IPUKPRNRC = IPUKPRNRC_YX and IPLEVEL_YX in (PHD, OPGR, PGTM, PGCE, OPGT, PUGD, PUGO, DEG, OUG) and IPCONVALIDMODE_YX contains IPMODE_YX and IPCONACTIVE_YX = 1 and (IPACTENDDATE_YX = *BLANK* or (IPACTENDDATE_YX ≥ IPCONCENSUS_YX and (IPACTENDDATE_YX - IPCOMDATE_YX > 14 or (IPCONQUAL_YX in (PHD, OPGR, PGTM, PGCE, OPGT,

Value	Description	Definition
		PUGD, PUGO, DEG, OUG))))) and not above
TRANSFER_COLLAB	The student transferred to another provider as part of a collaborative supervision arrangement in the base year	**Not calculated for IPSOURCE=ILR** **IPSOURCE=HESASTU, HESASAR** COLTOPROV ≠ *BLANK* and COLTODATE ≤ IPCONCENSUS_YX **IPSOURCE=DDB** INTENDEDDESTINATION ≠ *BLANK* and RSNENGEND = 12 and IPACTENDDATE ≠ *BLANK*
TRANSFER_COLLAB	The student transferred to another provider as part of a collaborative supervision arrangement in an interim year	**Not calculated for IPSOURCE=ILR** **IPSOURCE=HESASTU, HESASAR** IPUKPRNRC_Yi = IPUKPRNRC and COLTOPROV_Yi ≠ *BLANK* and COLTODATE_Yi ≤ IPCONCENSUS_YX **IPSOURCE=DDB** IPUKPRNRC_Yi = IPUKPRNRC and INTENDEDDESTINATION_Yi ≠ *BLANK* and RSNENGEND_Yi = 12 and IPACTENDDATE ≠ *BLANK* and IPACTENDDATE_Yi ≤ IPCONCENSUS_YX
TRANSFER_COLLAB	The student transferred to another provider as part of a collaborative supervision arrangement within X year(s) and 15 days after their entry to higher education	**Not calculated for IPSOURCE=ILR** **IPSOURCE=HESASTU, HESASAR** IPUKPRNRC_YX = IPUKPRNRC and COLTOPROV_YX ≠ *BLANK* and COLTODATE_YX ≤ IPCONCENSUS_YX **IPSOURCE=DDB** INTENDEDDESTINATION_YX ≠ *BLANK* and RSNENGEND_YX = 12 and

Value	Description	Definition
		IPACTENDDATE ≠ *BLANK* and IPACTENDDATE_YX ≤ IPCONCENSUS_YX and not above
QUALIFIED_PGRDORM	The student was a research student and qualified from a dormant state in the data reporting year in which the census falls (X year(s) and 15 days after their entry to higher education)	IPACTENDDATE_YX ≠ *BLANK* and IPUKPRNRC = IPUKPRNRC_YX and IPCONQUAL_YX in (PHD, OPGR) and not above
TRANSFER	The student was active on or qualified from higher education study at another provider in the base year	IPCONBASEYRTRAN_HE = 1
TRANSFER	The student was active on higher education study at another provider in an interim year	IPUKPRNRC_Yi ≠ IPUKPRNRC and IPLEVEL_Yi in (PHD, OPGR, PGTM, PGCE, OPGT, PUGD, PUGO, DEG, OUG) and IPCONVALIDMODE_Yi contains IPMODE_Yi and IPCONACTIVE_Yi = 1 and (IPACTENDDATE_Yi = *BLANK* or IPACTENDDATE_Yi - IPCOMDATE_Yi > 14)
TRANSFER	The student was active on higher education study at another provider within X year(s) and 15 days after their entry to higher education	IPUKPRNRC_YX ≠ IPUKPRNRC and IPCOMDATE_YX ≤ IPCONCENSUS_YX and IPLEVEL_YX in (PHD, OPGR, PGTM, PGCE, OPGT, PUGD, PUGO, DEG, OUG) and IPCONVALIDMODE_YX contains IPMODE_YX and (IPACTENDDATEYX = *BLANK* or IPACTENDDATE_YX - IPCOMDATE_YX > 14)
TRANSFER	The student qualified from higher education study at another provider in an interim year	IPUKPRNRC ≠ IPUKPRNRC_Yi and IPCONQUAL_Yi in (PHD, OPGR,

Value	Description	Definition
		PGTM, PGCE, OPGT, PUGD, PUGO, DEG, OUG)
TRANSFER	The student qualified from higher education study at another provider within X year(s) and 15 days after their entry to higher education	IPUKPRNRC ≠ IPUKPRNRC_YX and IPCOMDATE_YX ≤ IPCONCENSUS_YX and IPCONQUAL_YX in (PHD, OPGR, PGTM, PGCE, OPGT, PUGD, PUGO, DEG, OUG) and not above
PENDING	The student has completed their studies with an unknown result at the same provider in the base year	**Not calculated for IPSOURCE=ILR** **IPSOURCE=HESASTU, HESASAR** RSNEND = 98 or IPCONBASEYRPENDING = 1 **IPSOURCE=DDB** (RSNENGEND = 98 and IPACTENDDATE ≠ *BLANK*) or IPCONBASEYRPENDING = 1
PENDING	The student has completed their studies with an unknown result at the same provider in an interim year	**Not calculated for IPSOURCE=ILR** **IPSOURCE=HESASTU, HESASAR** RSNEND_Yi = 98 and IPUKPRNRC = IPUKPRNRC_Yi **IPSOURCE=DDB** RSNENGEND_Yi = 98 and IPACTENDDATE_Yi ≠ *BLANK* and IPUKPRNRC = IPUKPRNRC_Yi
PENDING	The student has completed their studies with an unknown result within X year(s) and 15 days after their entry to higher education	**Not calculated for IPSOURCE=ILR** **IPSOURCE=HESASTU, HESASAR** IPACTENDDATE_YX ≠ *BLANK* and IPACTENDDATE_YX ≤ IPCONCENSUS_YX and IPUKPRNRC = IPUKPRNRC_YX and RSNEND = 98 **IPSOURCE=DDB** IPACTENDDATE_YX ≠ *BLANK* and

Value	Description	Definition
		IPACTENDDATE_YX ≤ IPCONCENSUS_YX and IPUKPRNRC = IPUKPRNRC_YX and RSNENGEND = 98 and not above
QUALIFIED_CREDIT	The student qualified from study for credit at the same provider in the base year	IPCONQUAL in (UGCREDIT, UGUNSPEC, PGCREDIT, PGUNSPEC) or IPCONBASEYRQUAL_CREDIT = 1
QUALIFIED_CREDIT	The student qualified from study for credit at the same provider in an interim year	IPUKPRNRC = IPUKPRNRC_Yi and IPCONQUAL_Yi in (UGCREDIT, UGUNSPEC, PGCREDIT, PGUNSPEC)
QUALIFIED_CREDIT	The student qualified from study for credit at the same provider within X year(s) and 15 days after their entry to higher education	IPUKPRNRC = IPUKPRNRC_YX and (IPACTENDDATE_YX ≠ *BLANK* and IPACTENDDATE_YX ≤ IPCONCENSUS_YX) and IPCONQUAL_YX in (UGCREDIT, UGUNSPEC, PGCREDIT, PGUNSPEC) and not above
CONTINUING_CREDIT	The student was active on study for credit at the same provider X year(s) and 15 days after their entry to higher education	IPUKPRNRC = IPUKPRNRC_YX and IPCOMDATE_YX ≤ IPCONCENSUS_YX and IPLEVEL_YX in (UGCREDIT, UGUNSPEC, PGCREDIT, PGUNSPEC) and IPCONVALIDMODE_YX contains IPMODE_YX and IPCONACTIVE_YX = 1 and (IPACTENDDATE_YX = *BLANK* or (IPACTENDDATE_YX ≥ IPCONCENSUS_YX and (IPACTENDDATE_YX - IPCOMDATE_YX >14 or

Value	Description	Definition
		IPCONQUAL_YX in (UGCREDIT, UGUNSPEC, PGCREDIT, PGUNSPEC)))) and not above
TRANSFER_CREDIT	The student was active on or qualified from study for credit at another provider in the base year	IPCONBASEYRTRAN_CREDIT = 1
TRANSFER_CREDIT	The student was active on study for credit at another provider in an interim year	IPUKPRNRC ≠ IPUKPRNRC_Yi and IPLEVEL_Yi in (UGCREDIT, UGUNSPEC, PGCREDIT, PGUNSPEC) and IPCONVALIDMODE_Yi contains IPMODE_Yi and IPCONACTIVE_Yi = 1 and (IPACTENDDATE_Yi = *BLANK* or IPACTENDDATE_Yi - IPCOMDATE_Yi > 14)
TRANSFER_CREDIT	The student was active on study for credit at another provider within X year(s) and 15 days after their entry to higher education	IPUKPRNRC ≠ IPUKPRNRC_YX and IPCOMDATE_YX ≤ IPCONCENSUS_YX and IPLEVEL_YX in (UGCREDIT, UGUNSPEC, PGCREDIT, PGUNSPEC) and IPCONVALIDMODE_YX contains IPMODE_YX and IPCONACTIVE_YX = 1 and (IPACTENDDATE_YX = *BLANK* or IPACTENDDATE_YX - IPCOMDATE_YX > 14)
TRANSFER_CREDIT	The student qualified from study for credit at another provider in an interim year	IPUKPRNRC ≠ IPUKPRNRC_Yi and IPCONQUAL_Yi in (UGCREDIT, UGUNSPEC, PGCREDIT, PGUNSPEC)
TRANSFER_CREDIT	The student qualified from study for credit at another provider within X year(s) and 15 days after their entry to higher education	IPUKPRNRC ≠ IPUKPRNRC_YX and IPCOMDATE_YX ≤ IPCONCENSUS_YX and IPCONQUAL_YX in (UGCREDIT, UGUNSPEC, PGCREDIT, PGUNSPEC)

Value	Description	Definition
		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 X year(s) and 15 days after their entry to higher education	Otherwise

Fields used in the generation of student experience indicators

360. This section is only relevant to the construction of TEF data. The fields described in this section apply only to student data from the 2021-22 academic year (IPBASEYEAR=2021) onwards, which correspond to final year students surveyed for the National Student Survey (NSS) in the spring of 2023 (i.e. during the 2022-23 academic year) and later. The 2023 NSS was the first year of the survey with revised questions, following public consultation in 2022.

IPNSSSUPP

361. This field indicates that a student's NSS response has been suppressed.

Value	Description
1	Response has been suppressed
0	Response has not been suppressed

IPNSSTARGETPOP

362. This field is set to 1 where a student is in the target population for the NSS, and 0 otherwise.

IPNSSRESRATEEXCL

This is a key field

363. This field indicates whether the student is included in the denominator of the response rate calculation for the student experience indicators.

Value	Description	Definition
0	The student is included in the denominator of the response rate calculation	IPNSSSUPP = 0 and IPNSSTARGETPOP = 1 and IPHECAT in (2, 3, 4, 5)
1	The student is not included in the denominator of the response rate calculation	Otherwise

IPNSSRESPONSE

This is a key field

364. This field indicates whether the student responded to the NSS.

Value	Description
1	Responded to the NSS with a sufficient number of questions answered to count as a response to the survey as a whole
0	Did not respond to the NSS

IPNSSINDEXCL

This is a key field

365. This field indicates whether the student is included in the denominator for the student experience indicator.

Value	Description	Definition
0	The student is included in the indicator population	IPNSSRESRATEEXCL = 0 and IPNSSRESPONSE = 1
1	The student is not included in the indicator population	Otherwise

IPNSSLINKYEAR

366. This field indicates the academic year used for student and course characteristics when deriving the student experience indicators. For records in the NSS target population, this will equal IPBASEYEAR (the year from which the target list was drawn) unless:

    a. The student was dormant in the base year, or

    b. The student was on a clinical medical, dental, or veterinary science qualification but taking an intercalating year in the base year.

367. In these cases, we:

    a. Take all fields related to the NSS target population from the record in the year from which the target list was drawn (IPBASEYEAR).

    b. Link to the record for the same instance of study in the last academic year in which that student instance was active, to obtain all other student and course characteristics used in the calculation of the student experience measures (up to two years prior to IPBASEYEAR). If the student instance was not active in either of the two prior years, the record is not linked and the student is not included in the NSS population.

IPNSSQX

368. This field indicates the response given to Question X in the NSS. For example, IPNSSQ8 indicates the response given to Question 8 in the NSS. Note that the wording of the four-point response scale varies by question, but we have described the options as “Very negative”, “Negative”, “Positive” and “Very positive” below, for generality.

Value	Description
0	Question not answered, response not determined, or insufficient number of questions answered in survey to count as a response to the survey as a whole
1	Very negative
2	Negative
3	Positive
4	Very positive
6	Not applicable

IPNSSRESPQ[theme], IPNSSPOSITIVEQ[theme] and IPNSSNEGATIVEQ[theme]

369. Student experience measures are calculated based on NSS questions grouped into themes that address various aspects of the student experience. These fields summarise information from NSS responses across each theme.

These are key fields

370. The following table outlines the different themes and associated questions across the NSS. As described in the NSS quality report for 2024, we reviewed our approach to the number of themes that questions are grouped into and have not made any changes to these areas for NSS 2024. [32] The algorithms for each theme set out here align with this approach.

Theme name	Description	Questions used
TEACH	The teaching on my course	1, 2, 3, 4
LEARN	Learning opportunities	5, 6, 7, 8, 9
ASSES	Assessment and feedback	10, 11, 12, 13, 14
ACAD	Academic support	15, 16
ORG	Organisation and management	17, 18
RES	Learning resources	19, 20, 21
SVOC	Student voice	22, 23, 24

371. For each theme, the following fields are calculated:

a. IPNSSRESPQ[theme] is the count of questions in that theme which had a valid response

b. IPNSSPOSITIVEQ[theme] is the count of questions in that theme to which the student gave one of the two positive repsonse options

[32] See https://www.officeforstudents.org.uk/data-and-analysis/national-student-survey-data/nss-data-quality-report/.

c. IPNSSNEGATIVEQ[theme] is the count of questions in that theme to which the student gave one of the two positive repsonse options

372. For all fields the student must be in the indicator population in order to attract a non-zero value (IPNSSINDEXCL = 0).

Field	Description	Value
IPNSSRESPQ[theme]	Count of questions in each theme [theme] which had a valid response	IPNSSINDEXCL = 0 and IPNSSQx in (1, 2, 3, 4)
IPNSSPOSITIVEQ[theme]	Count of questions in the theme [theme] to which the student responded positively or very positively	IPNSSINDEXCL = 0 and IPNSSQx in (3, 4)
IPNSSNEGATIVEQ[theme]	Count of questions in the theme [theme] to which the student responded negatively or very negatively	IPNSSINDEXCL = 0 and IPNSSQx in (1, 2)

Fields used in the generation of degree outcome indicators

373. This section is only relevant to the construction of the access and participation data dashboard.

XCLASSF01

IPSOURCE = HESASTU or HESASAR

374. 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 or DDB

375. This field is not calculated.

IPDODEGCLASS

This is a key field

376. This field indicates the degree classification awarded to first degree qualifiers. For student data taken from the legacy HESA Student record or the ILR, this field is available from 2011-12.

IPSOURCE = DDB

Value	Description	Definition
FIRST	First class honours degree	IPQUALIFIER = 1 and IPAWARDLEVEL in (DEG, PUGD) and Z_QCLASS_CYC = 0001
2_1	Upper second class honours degree	IPQUALIFIER = 1 and IPAWARDLEVEL in (DEG, PUGD) and Z_QCLASS_CYC = 0002
2_2	Lower second class honours degree	IPQUALIFIER = 1 and IPAWARDLEVEL in (DEG, PUGD) and Z_QCLASS_CYC = 0003
THIRD	Third class honours degree	IPQUALIFIER = 1 and IPAWARDLEVEL in (DEG, PUGD) and Z_QCLASS_CYC = 0004

Value	Description	Definition
UNCLASS	Unclassified degree awards	IPQUALIFIER = 1 and IPAWARDLEVEL in (DEG, PUGD) and not above
NA	No degree awarded	Otherwise

IPSOURCE = HESASTU or HESASAR

Value	Description	Definition
FIRST	First class honours degree	IPQUALIFIER = 1 and IPAWARDLEVEL in (DEG, PUGD) and XCLASSF01 = 01
2_1	Upper second class honours degree	IPQUALIFIER = 1 and IPAWARDLEVEL in (DEG, PUGD) and XCLASSF01 = 02
2_2	Lower (or undivided) second class honours degree	IPQUALIFIER = 1 and IPAWARDLEVEL in (DEG, PUGD) and XCLASSF01 in (03, 04)
THIRD	Third class honours degree	IPQUALIFIER = 1 and IPAWARDLEVEL in (DEG, PUGD) and XCLASSF01 = 05
OTH_HONOURS	Other classifications of honours degree	IPQUALIFIER = 1 and IPAWARDLEVEL in (DEG, PUGD) and XCLASSF01 in (06, 09)
UNCLASS	Unclassified degree awards	IPQUALIFIER = 1 and IPAWARDLEVEL in (DEG, PUGD) and not above
NA	No degree awarded	Otherwise

IPSOURCE = ILR

Value	Description	Definition
FIRST	First class honours degree	IPQUALIFIER = 1 and IPAWARDLEVEL in (DEG, PUGD) and OUTGRADE = FI
2_1	Upper second class honours degree	IPQUALIFIER = 1 and IPAWARDLEVEL in (DEG, PUGD) and OUTGRADE = SU
2_2	Lower (or undivided) second class honours degree	IPQUALIFIER = 1 and IPAWARDLEVEL in (DEG, PUGD) and OUTGRADE in (SL, SE)
THIRD	Third class honours degree	IPQUALIFIER = 1 and IPAWARDLEVEL in (DEG, PUGD) and OUTGRADE = TH
OTH_HONOURS	Other classifications of honours degree	IPQUALIFIER = 1 and IPAWARDLEVEL in (DEG, PUGD) and OUTGRADE = FO
UNCLASS	Unclassified degree awards	IPQUALIFIER = 1 and IPAWARDLEVEL in (DEG, PUGD) and not above
NA	No degree awarded	Otherwise

IPDODUP

377. This field chooses the best outcome (based on the highest IPDODEGCLASS) for each person per provider, broad level of study (determined by IPLEVELBROAD) and broad level of qualification awarded (determined by IPAWARDLEVELBROAD) in the academic year.

378. If there is more than one record in the academic year with the same best outcome, then the record with the latest end date is taken (determined by IPACTENDDATE). If there are still multiple records with the same best outcome and latest end date, the record is chosen

consistently by alphabetical ordering on the returning provider's UKPRN, followed by LEARNREFNUMBER or HUSID or SID, and AIMSEQNUMBER or NUMHUS.

IPDOQUALPOP

This is a key field

379. This field indicates whether the student is included in the population of first degree qualifiers who are in scope for the degree outcome indicators.

Value	Description	Definition
1	Student is in scope for the degree outcome indicators	IPDODUP = 0 and IPDODEGCLASS ≠ (UNCLASS, NA) and IPUGQUALIFIER = 1
0	Student is not in scope for the degree outcome indicators	Otherwise

Fields used in the generation of the progression indicators

IPEMPXPGO

380. This field indicates whether the student is counted in the Graduate Outcomes (GO) survey target population and is only calculated for years for which GO responses are available. The target population does not include cases where it is known that the graduate has died or is suffering a serious illness.

IPSOURCE = DDB

381. This field is equal to Z_POPGO_CYC.

IPSOURCE = HESASTU or HESASAR

382. This field is equal to XPGO01.

IPSOURCE = ILR

383. A student is counted in the GO survey target population if they satisfy all of the following conditions:

- They are pursuing a higher education (HE) level course and obtained a HE qualification during the reporting period 1 August to 31 July of the relevant year
- The learning outcome has been achieved and results are known (according to OUTCOME)
- The learning actual end date (LEARNACTENDDATE) is known and falls in one of the survey cohorts
- The learner is active in the relevant year (STULOAD > 0)

Where there are multiple student records, the record with the highest qualification aim is used.

IPEMPSOC2020

384. This field indicates the occupation in which the graduate is employed, as classified according to the 2020 Standard Occupational Classification, maintained by the Office for National Statistics. Graduates' responses to the Graduate Outcomes survey (in particular those detailing their job title and duties) are used to derive an appropriate SOC 2020 code, identifying the graduates' occupations.

385. For graduates either self-employed or working for an employer (but not both), this field is equivalent to the SOC code recorded in the HESA derived fields, XBUS2020SOC and XEMP2020SOC, respectively.

386. For self-employed graduates who are also working for an employer, this field is populated as follows:

- If only one of the recorded SOC codes identifies professional employment, IPEMPSOC2020 takes this value.
- If neither or both SOC codes indicate professional employment, the SOC code shown in IPEMPSOC2020 is the one associated with the graduate's most important employment activity during the census week, as determined by MIMPACT.
- If neither or both SOC codes indicate professional employment and the activity that the graduate considered to be their most important was not related to employment, then IPEMPSOC2020 takes the value of XEMP2020SOC where it is populated and XBUS2020SOC otherwise.

IPEMPEXCL1

387. This field indicates where students are excluded from the progression indicator population as they are not counted in the GO target population.

Value	Description	Definition
0	The student is counted in the Graduate Outcomes target population	IPEMPXPGO = 1
1	The student is not counted in the Graduate Outcomes target population	Otherwise

IPEMPEXCL2

388. 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

389. This field indicates where students are excluded from the progression indicator population as they are not part of the relevant HE population.

Value	Description	Definition
0	The student was part of the relevant HE population	IPHECAT in (2, 3, 4, 5)
1	The student was not part of the relevant HE population	Otherwise

IPEMPEXCL

This is a key field

390. This field indicates whether the student will be included in the progression indicators calculation.

391. For students excluded from the calculation, IPEMPEXCL contains the sum of all applicable values from the table below. The field is computed as (1 × IPEMPEXCL1) + (2 × IPEMPEXCL2) + (4 × IPEMPEXCL4). The reasons that contributed to the exclusion can therefore be determined. Students included in the calculation have IPEMPEXCL = 0.

392. Students with IPEMPEXCL = 2 are excluded as they were not UK-domiciled prior to entry, but not excluded for any other reason. Subsequent fields are derived and populated for this group of students to better allow providers to understand their progression outcomes should they wish to do so.

Value	Description	Definition
1	Student is not counted in the GO target population	IPEMPEXCL1 = 1
2	The student was not UK-domiciled	IPEMPEXCL2 = 1
4	The student was not part of the relevant HE population	IPEMPEXCL4 = 1
0	Otherwise	None of the above

IPEMPRESPONSE

393. This field indicates whether the graduate responded to the Graduate Outcomes survey. Full and partial responses count as a response. Graduates known to have died or to be suffering a serious illness have been retrospectively removed from the graduate outcomes target population. Those who have explicitly refused to provide information are included in the target population but will take the value IPEMPRESPONSE = 0.

Value	Description	Definition
1	Responded to the Graduate Outcomes survey	ZRESPSTATUS in (03, 04)
0	Did not respond to the Graduate Outcomes survey	Otherwise

IPEMPRRNUM

This is a key field

394. 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

Value	Description	Definition
2	The graduate responded to the the survey but is not included in the progression indicators because they were not UK-domiciled	IPEMPRESPONSE = 1 and IPEMPEXCL = 2
0	The graduate is otherwise not included in the numerator of the response rate calculation	Otherwise

IPEMPWORK

395. This field indicates whether the graduate reported that they were working during the census week.

Value	Description	Definition
1	The graduate reported that they were working during the census week	ALLACT01 = 1 or ALLACT02 = 1 or ALLACT03 = 1 or ALLACT04 = 1 or ALLACT05 = 1
0	The graduate did not report that they were working during the census week	Otherwise

IPEMPWORKTYPE

396. For graduates employed during the census week, this field shows the type of employment the graduate was undertaking.

Value	Description	Definition
Professional	The graduate was in professional employment during the census week	IPEMPWORK = 1 and IPEMPSOC2020* in (1, 2, 3)
Non-professional	The graduate was in non-professional employment during the census week	IPEMPWORK = 1 and IPEMPSOC2020* in (4, 5, 6, 7, 8, 9)
SOC Missing	The graduate was employed during the census week but had a missing SOC code	IPEMPWORK = 1 and IPEMPSOC2020* in ($, 0, *BLANK*)
NA	The graduate was not employed during the census week	IPEMPWORK = 0

* The first character of IPEMPSOC2020 is used.

IPEMPSTUDY

397. This field indicates whether the graduate reported that they were studying during the census week.

Value	Description	Definition
1	The graduate reported that they were studying during the census week	ALLACT06 = 1
0	The graduate did not report that they were studying during the census week	Otherwise

IPEMPTRC

398. This field indicates whether the graduate reported that they were travelling, retired, or caring for someone during the census week.

Value	Description	Definition
1	The graduate reported that they were travelling, retired, or caring for someone during the census week	ALLACT07 = 1 or ALLACT08 = 1 or ALLACT09 = 1
0	The graduate did not report that they were travelling, retired, or caring for someone during the census week	Otherwise

IPEMPUNEMPLOYED

399. This field indicates whether the graduate reported that they were unemployed during the census week.

Value	Description	Definition
1	The graduate reported that they were unemployed during the census week	ALLACT10 = 1
0	The graduate did not report that they were unemployed during the census week	Otherwise

IPEMPOTHACT

400. This field indicates whether the graduate reported that they were doing something else during the census week.

Value	Description	Definition
1	The graduate reported that they were doing something else during the census week	ALLACT11 = 1

Value	Description	Definition
0	The graduate did not report that they were doing something else during the census week	Otherwise

IPEMPINDPOP

This is a key field

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

Value	Description	Definition
1	The student responded to the survey and is included in the population for the progression indicators	IPEMPRRNUM = 1 and IPEMPIND ≠ UNKNOWN
2	The student responded to the survey but is not included in the population for the progression indicators because they were not UK-domiciled	IPEMPRRNUM = 2 and IPEMPIND ≠ UNKNOWN
0	The student is otherwise not included in the population for the progression indicators	Otherwise

IPEMPIND

402. This field indicates the graduate's activity during the census week that is determined for the purposes of the progression indicator.

Value	Description	Definition
PRO_EMP	Professional employment	IPEMPEXCL in (0, 2) and IPEMPWORKTYPE = Professional and ((IPEMPSTUDY = 0 and IPEMPTRC = 0) or MIMPACT not in (06, 07, 08, 09))
FURTHER_STUDY	Primarily studying	IPEMPEXCL in (0, 2) and IPEMPSTUDY = 1 and (MIMPACT = 06 or (IPEMPWORKTYPE in (NA, Non-professional, SOC Missing) and

Value	Description	Definition
		(IPEMPTRC = 0 or (IPEMPTRC = 1 and MIMPACT not in (07, 08, 09))))) and not above
OTHER_POSITIVE	Other activity considered positively	IPEMPEXCL in (0, 2) and IPEMPTRC = 1 and ((IPEMPWORKTYPE in (NA, Non-professional, SOC Missing) and IPEMPSTUDY = 0) or MIMPACT = 07, 08, 09) and not above
NON_PRO_EMP	Non-professional employment	IPEMPEXCL in (0, 2) and IPEMPWORKTYPE = Non-professional and IPEMPSTUDY = 0 and IPEMPTRC = 0 and not above
EMP_SOC_MISSING	Employment with missing SOC code	IPEMPEXCL in (0, 2) and IPEMPWORKTYPE in (SOC, Missing) and IPEMPSTUDY = 0 and IPEMPTRC = 0 and not above
UNEMPLOYED	Unemployed or due to start work	IPEMPEXCL in (0, 2) and IPEMPUNEMPLOYED = 1 and MIMPACT = 10 and not above
OTHER_NEGATIVE	Other activity considered negatively	IPEMPEXCL in (0, 2) and IPEMPOTHACT = 1 and MIMPACT = 11 and not above

Value	Description	Definition
UNKNOWN	Unknown activity	IPEMPEXCL in (0, 2) and IPEMPRESPONSE = 1 and not above

IPEMPSOCWEIGHT

403. This field indicates, for a graduate in employment with a missing SOC code, the extent to which the graduate contributes as a positive outcome in the numerator of the progression indicator. It is a weighting derived from the population of graduates at the provider with the graduate's mode of study (IPSTARTMODE) and broad level of study (IPAWARDLEVELBROAD), who reported being employed (IPEMPWORK=1), with no other positive outcomes (IPEMPSTUDY=0 and IPEMPTRC=0). IPEMPSOCWEIGHT shows the proportion of this cohort that entered professional employment (IPEMPWORKTYPE=Professional). The weighting is calculated separately for those in the progression indicator population (with IPEMPEXCL=0) and students who were not UK-domiciled but would otherwise have been in the indicator population (with IPEMPEXCL=2); this field is only populated for these groups.

IPEMPINDNUM

This is a key field

404. The field indicates whether the graduate has an activity that is counted positively in the progression indicator and is used to calculate the numerator of the indicator. This field is calculated for graduates included in the progression indicator population (those with IPEMPINDPOP = 1) and for non-UK domiciled students who would otherwise have been included in the progression indicator population (those with IPEMPINDPOP=2).

Value	Description	Definition
1	The graduate has an activity that is counted positively in the progression indicator	IPEMPINDPOP in (1, 2) and IPEMPIND in (PRO_EMP, FURTHER_STUDY, OTHER_POSITIVE)
Value of IPEMPSOCWEIGHT	The graduate has an activity that is counted partially positively in the progression indicator	IPEMPINDPOP in (1, 2) and IPEMPSOCWEIGHT ≠ *BLANK* and IPEMPIND = EMP_SOC_MISSING
0	The graduate does not have an activity that is counted positively in the progression indicator	Otherwise

IPGOINTSTUDY

405. This field indicates the mode of the graduate's interim study since completing their course.

Value	Description	Definition
FT	The graduate engaged in at least one instance of full-time interim study	FURSTU = 01 and (PREVINTENSITY1 = 01 or PREVINTENSITY2 = 01 or PREVINTENSITY3 = 01) and PREVINTENSITY1 ≠ 02 and PREVINTENSITY2 ≠ 02 and PREVINTENSITY3 ≠ 02
PT	The graduate engaged in at least one instance of interim study; all their interim study was part-time or not reported as either part-time or full-time	FURSTU = 01 and (PREVINTENSITY1 = 02 or PREVINTENSITY2 = 02 or PREVINTENSITY3 = 02) and PREVINTENSITY1 ≠ 01 and PREVINTENSITY2 ≠ 01 and PREVINTENSITY3 ≠ 01
OTH	The graduate engaged in other interim study (either a combination of full-time and part-time study, or interim study of unknown intensity)	FURSTU = 01 and not above
NA	The graduate did not engage in interim study	Otherwise

IPGOSIGINTSTUDY

406. This field indicates whether the graduate engaged in significant interim study since completing their course. This field is calculated for graduates included in the progression indicator population (those with IPEMPINDPOP = 1) and for non-UK domiciled students who

would otherwise have been included in the progression indicator population (those with IPEMPINDPOP=2).

407. For years 2018-19 onwards this is the HESA derived field XINTSTUDY. The specification for XINTSTUDY can be found on the HESA website.[33]

408. For 2017-18 this field is calculated using the same method as XINTSTUDY using the following algorithm.

Value	Description	Definition
01	The graduate engaged in significant interim study	IPEMPINDPOP in (1, 2) and (PREVTYPEQUAL1 in (01, 02, 03, 04, 05, 06) or PREVTYPEQUAL2 in (01, 02, 03, 04, 05, 06) or PREVTYPEQUAL3 in (01, 02, 03, 04, 05, 06)) and (PREVINTENSITY1 = 01 or PREVINTENSITY2 = 01 or PREVINTENSITY3 = 01)
02	The graduate did not engage in significant interim study	IPEMPINDPOP in (1, 2) and not above
BLANK	This field is not calculated	Otherwise

IPGOMEAN

409. This field indicates the degree to which the graduate agrees or disagrees with the statement: My current activity/study/work is meaningful.

Value	Description	Definition
1	The graduate strongly disagrees with the statement	IPEMPXPGO = 1 and ((ACTMEAN = 01) or (ACTMEAN = *BLANK* and STUMEAN = 01) or (ACTMEAN = *BLANK* and STUMEAN = *BLANK* and WRKMEAN = 01))
2	The graduate disagrees with the statement	IPEMPXPGO = 1 and ((ACTMEAN = 02) or (ACTMEAN = *BLANK* and STUMEAN = 02) or

[33] See https://www.hesa.ac.uk/collection/c21072/derived/xintstudy.

Value	Description	Definition
		(ACTMEAN = *BLANK* and STUMEAN = *BLANK* and WRKMEAN = 02))
3	The graduate neither agrees nor disagrees with the statement	IPEMPXPGO = 1 and ((ACTMEAN = 03) or (ACTMEAN = *BLANK* and STUMEAN = 03) or (ACTMEAN = *BLANK* and STUMEAN = *BLANK* and WRKMEAN = 03))
4	The graduate agrees with the statement	IPEMPXPGO = 1 and ((ACTMEAN = 04) or (ACTMEAN = *BLANK* and STUMEAN = 04) or (ACTMEAN = *BLANK* and STUMEAN = *BLANK* and WRKMEAN = 04))
5	The graduate strongly agrees with the statement	IPEMPXPGO = 1 and ((ACTMEAN = 05) or (ACTMEAN = *BLANK* and STUMEAN = 05) or (ACTMEAN = *BLANK* and STUMEAN = *BLANK* and WRKMEAN = 05))
U	Unknown	IPEMPXPGO = 1 and ACTMEAN = *BLANK* and STUMEAN = *BLANK* and WRKMEAN = *BLANK*

IPGOONTRACK

410. This field indicates the degree to which the graduate agrees or disagrees with the statement: My current activity/study/work fits with my future plans.

Value	Description	Definition
1	The graduate strongly disagrees with the statement	IPEMPXPGO = 1 and ((ACTONTRACK = 01) or (ACTONTRACK = *BLANK* and STUONTRACK = 01) or

Value	Description	Definition
		(ACTONTRACK = *BLANK* and STUONTRACK = *BLANK* and WRKONTRACK = 01))
2	The graduate disagrees with the statement	IPEMPXPGO = 1 and ((ACTONTRACK = 02) or (ACTONTRACK = *BLANK* and STUONTRACK = 02) or (ACTONTRACK = *BLANK* and STUONTRACK = *BLANK* and WRKONTRACK = 02))
3	The graduate neither agrees nor disagrees with the statement	IPEMPXPGO = 1 and ((ACTONTRACK = 03) or (ACTONTRACK = *BLANK* and STUONTRACK = 03) or (ACTONTRACK = *BLANK* and STUONTRACK = *BLANK* and WRKONTRACK = 03))
4	The graduate agrees with the statement	IPEMPXPGO = 1 and ((ACTONTRACK = 04) or (ACTONTRACK = *BLANK* and STUONTRACK = 04) or (ACTONTRACK = *BLANK* and STUONTRACK = *BLANK* and WRKONTRACK = 04))
5	The graduate strongly agrees with the statement	IPEMPXPGO = 1 and ((ACTONTRACK = 05) or (ACTONTRACK = *BLANK* and STUONTRACK = 05) or (ACTONTRACK = *BLANK* and STUONTRACK = *BLANK* and WRKONTRACK = 05))
U	Unknown	IPEMPXPGO = 1 and ACTONTRACK = *BLANK* and STUONTRACK = *BLANK* and WRKONTRACK = *BLANK*

IPGOSKILLS

411. This field indicates the degree to which the graduate agrees or disagrees with the statement: I am utilising what I learnt during my studies in my current activity/study/work.

Value	Description	Definition
1	The graduate strongly disagrees with the statement	IPEMPXPGO = 1 and ((ACTSKILLS = 01) or (ACTSKILLS = *BLANK* and STUSKILLS = 01) or (ACTSKILLS = *BLANK* and STUSKILLS = *BLANK* and WRKSKILLS = 01))
2	The graduate disagrees with the statement	IPEMPXPGO = 1 and ((ACTSKILLS = 02) or (ACTSKILLS = *BLANK* and STUSKILLS = 02) or (ACTSKILLS = *BLANK* and STUSKILLS = *BLANK* and WRKSKILLS = 02))
3	The graduate neither agrees nor disagrees with the statement	IPEMPXPGO = 1 and ((ACTSKILLS = 03) or (ACTSKILLS = *BLANK* and STUSKILLS = 03) or (ACTSKILLS = *BLANK* and STUSKILLS = *BLANK* and WRKSKILLS = 03))
4	The graduate agrees with the statement	IPEMPXPGO = 1 and ((ACTSKILLS = 04) or (ACTSKILLS = *BLANK* and STUSKILLS = 04) or (ACTSKILLS = *BLANK* and STUSKILLS = *BLANK* and WRKSKILLS = 04))
5	The graduate strongly agrees with the statement	IPEMPXPGO = 1 and ((ACTSKILLS = 05) or (ACTSKILLS = *BLANK* and STUSKILLS = 05) or (ACTSKILLS = *BLANK* and STUSKILLS = *BLANK* and WRKSKILLS = 05))
U	Unknown	IPEMPXPGO = 1 and ACTSKILLS = *BLANK* and STUSKILLS = *BLANK* and WRKSKILLS = *BLANK*

IPGOLOCATION

412. This field contains the location of the graduate based on the information they reported in their GO response. The graduate's location is mapped to either a 9-digit code travel to work area (TTWA) code or, for postgraduate research graduates only, a broad region of the UK as defined by the International Territorial Levels, level 1 (ITL 1). The graduation's location is determined using fields such as EMPPCODE and BUSEMPPCODE and is supplemented using information from EMPCITY and BUSEMPCITY for employed graduates. Various information is used for those in further study. Where no other information is available, the graduate's home postcode (IPPOSTCODE) is used to determine their location. Further information on the methodology can be found in Annex B of the OfS report 'a geography of employment and earnings' available at https://www.officeforstudents.org.uk/publications/a-geography-of-employment-and-earnings.

413. Where the location of the graduate cannot be determined, this field is set to UNKNOWN.

414. For graduates living abroad, this field is set to ABROAD.

IPGOQUINTILE

This is a key field

415. This field contains the quintile of the graduate's location (TTWA or broad region) as determined by IPGOLOCATION. Quintile 1 indicates that the graduate lives in an area with the lowest rates of positive outcomes, whereas quintile 5 indicates that the graduate lives in an area with the highest rates of positive outcomes. Further information on the methodology can be found in the OfS report 'a geography of employment and earnings' available at https://www.officeforstudents.org.uk/publications/a-geography-of-employment-and-earnings.

416. For graduates living abroad, the assigned quintile is based on the average positive outcome rate (see paragraph 415) of all graduates living abroad who were awarded the same broad level of qualification (IPAWARDLEVELBROAD). For IPAWARDLEVELBROAD = UG, PGR or PGT, this field is set to quintile 5, 4 or 3, respectively.

417. Where the location of the graduate cannot be determined, the assigned quintile is based on the average positive outcome rate (see paragraph 415) of all such graduates who were awarded the same broad level of qualification (IPAWARDLEVELBROAD). For IPAWARDLEVELBROAD = UG this field is set to quintile 3 and for IPAWARDLEVELBROAD = PGR or PGT this field is set to quintile 1.

IPGOEMPINDRATE

418. This field contains the positive outcome rate of the graduate's location (TTWA or broad region) as determined by IPGOLOCATION. This rate is used to create the quintiles in IPGOQUINTILE. Further information on the methodology can be found in the OfS report 'a geography of employment and earnings' available at https://www.officeforstudents.org.uk/publications/a-geography-of-employment-and-earnings.

419. For graduates living abroad, or where the location of the graduate cannot be determined, this field is blank.

Fields used to link to sector averages

420. This section describes fields that can be used to link student records with the sector averages that are used in benchmarking calculations. It can be used in conjunction with the sector averages document to find the contribution to benchmark for individual students.[34]

IPCONBENCHGROUPID

421. This field contains a unique identifier for the benchmarking group that the student belongs to for the continuation measure. It is only populated for undergraduates in the denominator population for the continuation indicator.

IPCOMPBENCHGROUPID

422. This field contains a unique identifier for the benchmarking group that the student belongs to for the completion measure. It is only populated for undergraduates in the denominator population for the completion indicator.

IPPROGBENCHGROUPID

423. This field contains a unique identifier for the benchmarking group that the student belongs to for the progression measure. It is only populated for undergraduates in the denominator population for the progression indicator.

IPNSSBENCHGROUPID

424. This field contains a unique identifier for the benchmarking group that the student belongs to for the student experience measures. It is only populated for undergraduates in the denominator population for at least one of the student experience indicators.

[34] See https://www.officeforstudents.org.uk/data-and-analysis/student-outcome-and-experience-measures/documentation.

Annex A: Fields included in individualised files

425. Not all of the fields described in this document can be included in individualised files. This is primarily due to data protection. 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 NSS.

426. The table below details which fields are available in providers' individualised files. Some fields are only available in certain years of individualised files, as they are not calculated for every single academic year.

Field	Included in core individualised file	Included in supplementary individualised file
IPSOURCE	Yes	Yes
IPBASEYEAR	Yes	Yes
IPRECID	Yes	Yes
IPUKPRNRC	Yes	Yes
IPUKPRNTC	Yes	Yes
IPCOUNTRY	No	Yes
IPCOMDATE	Yes	Yes
IPANNIV	No	No
IPANNIV15	No	Yes
IPPLANENDDATE	No	Yes
IPACTENDDATE	No	Yes
IPDENT	No	No
IPLEVELNUM	Yes	Yes
IPOFSQAIM	No	Yes
IPOFSFUNDAIM	Yes	Yes
IPLEVEL	Yes	Yes
IPLEVELBROAD	Yes	Yes
IPAWARDLEVELNUM	No	Yes
IPAWARD_DETAIL	No	Yes
IPAWARDLEVEL	Yes	Yes
IPAWARDLEVELBROAD	No	Yes
IPAWARDBOD	Yes	Yes
IPAPPRENTICE	No	Yes
IPHTQ	Yes	Yes
IPCRSELGTH	No	Yes
IPCRSELGTHGRP	Yes	Yes
IPMODE	No	Yes

Field	Included in core individualised file	Included in supplementary individualised file
IPSUBSTMODE	No	Yes
IPSTARTMODE	Yes	Yes
IPFOUNDYEAR	Yes	Yes
IPSANDWICH	Yes	Yes
IPJACS	No	No
IPHECOS	No	No
IPSBJ_CAH2	Yes	Yes
IPSBJ_CAH2_NAME	Yes	Yes
IPSBJ_CAH3	Yes	Yes
IPSBJ_CAH3_NAME	Yes	Yes
IPSBJ_CAH1	Yes	Yes
IPSBJ_CAH1_NAME	Yes	Yes
IPSBJ_BROAD	Yes	Yes
IPSBJ_BROAD_NAME	Yes	Yes
IPFPE	No	No
IPCAH3FPE	No	Yes
SUBWT	Yes	Yes
IPINTERCALATE	No	Yes
IPINTSBJ_CAH2	No	Yes
IPPRIORLEARNADJ	No	No
IPSTULOADCASE	No	No
IPSTULOAD	No	Yes
IPBIRTHDATE	No	Yes
IPSTARTAGE	Yes	Yes
IPSTARTAGEBAND	Yes	Yes
IPSEX	Yes	Yes
IPSEXRAW	Yes	Yes
IPDISABLETYPE	Yes	Yes
IPDISABLE	Yes	Yes
IPETHNICDETAIL	No	Yes
IPETHNICDETAILRAW	No	Yes
IPETHNIC	Yes	Yes
IPETHNICRAW	Yes	Yes
IPSECTYPE	No	Yes
IPSECTYPERAW	No	Yes
IPSEC	Yes	Yes

Field	Included in core individualised file	Included in supplementary individualised file
IPSECRAW	Yes	Yes
IPPARED	No	Yes
IPCARELEAVER	No	Yes
IPCARELEAVERRAW	No	Yes
IPSEXORT	Yes	Yes
IPPOSTCODE	No	Yes
IPHOMETTWA	No	Yes
IPDOM	Yes	Yes
IPUKFLAG	No	Yes
IPADULTHEQ	No	Yes
IPPOLAR4	Yes	Yes
IPTUNDRALOOKUP	Yes	Yes
IPIMDNATION	Yes	Yes
IPIMDHISTORIC	Yes	Yes
IPIDACI	Yes	Yes
IPACCABCS	Yes	Yes
IPCONABCS	Yes	Yes
IPCOMPABCS	Yes	Yes
IPPROGABCS	Yes	Yes
IPLOCATION	No	No
IPLOCPOSTCODE	No	Yes
IPLOCSDY	No	No
IPDL	Yes	Yes
IPSTUDYTTWA	No	Yes
IPTTPCODETTWA	No	Yes
IPSTUDYLOCTYPE	Yes	Yes
IPCOMMUTE	No	Yes
OFSHE	No	Yes
IPHECAT	Yes	Yes
IPDUP	No	Yes
IPACTANN	No	Yes
IPAYDUP	Yes	Yes
IPCONTEXTPOP	Yes	Yes
DFAPAPPEXCL	Yes	Yes
IPQUALIFIER	No	Yes
IPUGQUALIFIER	No	Yes

Field	Included in core individualised file	Included in supplementary individualised file
IPINSTANCEID	No	Yes
IPINSTANCEACTENDDATE	No	No
IPINSTANCEEXCL_PREENTROW	No	Yes
IPTARIFF	No	No
IPTARIFF_DDB	No	No
IPTARIFF_LINKED	No	No
IPQUALENT3	No	No
IPQUALENT3_DDB	No	No
IPQUALENT3_LINKED	No	No
IPQUALENT2	No	No
IPQUALENT2_DDB	No	No
IPQUALENT2_LINKED	No	No
IPGRADECOMB	No	No
IPGRADECOMB_DDB	No	No
IPGRADECOMB_LINKED	No	No
IPENTQUALGRP	No	Yes
IPENTQUALGRP_DDB	No	No
IPENTQUALGRP_LINKED	No	No
IPL3SOURCE	No	No
IPENTQUALBROAD	Yes	Yes
IPFSMPOP	Yes	Yes
IPFSMSTATE	Yes	Yes
IPENTRANTEXCL1	No	Yes
IPENTRANTEXCL2	No	Yes
IPENTRANTEXCL4	No	Yes
IPENTRANTEXCL	Yes	Yes
IPACCEXCL	Yes	Yes
IPCONQUAL	No	No
IPCONACTIVE	No	No
IPCONCENSUS_Y1	No	Yes
IPCONCENSUS_Y2	No	Yes
IPCONCENSUS_Y4	No	Yes
IPCONCENSUS_Y6	No	Yes
IPCONVALIDMODE	No	No
IPCONBASEYRQUAL_HE	No	No
IPCONBASEYRQUAL_CREDIT	No	No

Field	Included in core individualised file	Included in supplementary individualised file
IPCONBASEYRTRAN_HE	No	No
IPCONBASEYRTRAN_CREDIT	No	No
IPCONINDFULL_Y1	Yes	Yes
IPCONINDFULL_Y2	Yes	Yes
IPCONINDFULL_Y4	Yes	Yes
IPCONINDFULL_Y6	Yes	Yes
IPNSSSUPP	No	No
IPNSSTARGETPOP	No	No
IPNSSRESRATEEXCL	No	No
IPNSSRESPONSE	No	No
IPNSSINDEXCL	No	No
IPNSSTYPEQ	No	No
IPNSSACADAGREE	No	No
IPNSSACADDISAGREE	No	No
IPNSSACADNEUTRAL	No	No
IPNSSACADRESPOND	No	No
IPNSSASSESSAGREE	No	No
IPNSSASSESSDISAGREE	No	No
IPNSSASSESSNEUTRAL	No	No
IPNSSASSESSRESPOND	No	No
IPNSSINDEXCL	No	No
IPNSSLCOMAGREE	No	No
IPNSSLCOMDISAGREE	No	No
IPNSSLCOMNEUTRAL	No	No
IPNSSLCOMRESPOND	No	No
IPNSSLOPPAGREE	No	No
IPNSSLOPPDISAGREE	No	No
IPNSSLOPPNEUTRAL	No	No
IPNSSLOPPRESPOND	No	No
IPNSSLRESAGREE	No	No
IPNSSLRESDISAGREE	No	No
IPNSSLRESNEUTRAL	No	No
IPNSSLRESRESPOND	No	No
IPNSSNHSAGREE	No	No
IPNSSNHSDISAGREE	No	No
IPNSSNHSNEUTRAL	No	No

Field	Included in core individualised file	Included in supplementary individualised file
IPNSSNHSRESPOND	No	No
IPNSSORGAGREE	No	No
IPNSSORGDISAGREE	No	No
IPNSSORGNEUTRAL	No	No
IPNSSORGRESPOND	No	No
IPNSSOVSATAGREE	No	No
IPNSSOVSATDISAGREE	No	No
IPNSSOVSATNEUTRAL	No	No
IPNSSOVSATRESPOND	No	No
IPNSSRESPONSE	No	No
IPNSSRESRATEEXCL	No	No
IPNSSSUPP	No	No
IPNSSSVOCAGREE	No	No
IPNSSSVOCDISAGREE	No	No
IPNSSSVOCNEUTRAL	No	No
IPNSSSVOCRESPOND	No	No
IPNSSTARGETPOP	No	No
IPNSSTEACHAGREE	No	No
IPNSSTEACHDISAGREE	No	No
IPNSSTEACHNEUTRAL	No	No
IPNSSTEACHRESPOND	No	No
IPNSSTYPEQ	No	No
IPNSSNHSQ1	No	No
IPNSSNHSQ2	No	No
IPNSSNHSQ3	No	No
IPNSSNHSQ4	No	No
IPNSSNHSQ5	No	No
IPNSSNHSQ6	No	No
IPNSSQ1	No	No
IPNSSQ2	No	No
IPNSSQ3	No	No
IPNSSQ4	No	No
IPNSSQ5	No	No
IPNSSQ6	No	No
IPNSSQ7	No	No
IPNSSQ8	No	No

Field	Included in core individualised file	Included in supplementary individualised file
IPNSSQ9	No	No
IPNSSQ10	No	No
IPNSSQ11	No	No
IPNSSQ12	No	No
IPNSSQ13	No	No
IPNSSQ14	No	No
IPNSSQ15	No	No
IPNSSQ16	No	No
IPNSSQ17	No	No
IPNSSQ18	No	No
IPNSSQ19	No	No
IPNSSQ20	No	No
IPNSSQ21	No	No
IPNSSQ22	No	No
IPNSSQ23	No	No
IPNSSQ24	No	No
IPNSSQ25	No	No
IPNSSQ26	No	No
IPNSSQ27	No	No
XCLASSF01	No	Yes
IPDODEGCLASS	Yes	Yes
IPDODUP	No	No
IPDOQUALPOP	Yes	Yes
IPEMPXPGO	No	Yes
IPEMPSOC2020	No	Yes
IPEMPEXCL1	No	Yes
IPEMPEXCL2	No	Yes
IPEMPEXCL4	No	Yes
IPEMPEXCL	Yes	Yes
IPEMPRESPONSE	No	Yes
IPEMPRRNUM	Yes	Yes
IPEMPWORK	No	Yes
IPEMPWORKTYPE	No	Yes
IPEMPSTUDY	No	Yes
IPEMPTRC	No	Yes
IPEMPUNEMPLOYED	No	Yes

Field	Included in core individualised file	Included in supplementary individualised file
IPEMPOTHACT	No	Yes
IPEMPINDPOP	Yes	Yes
IPEMPIND	No	Yes
IPEMPSOCWEIGHT	No	Yes
IPEMPINDNUM	Yes	Yes
IPGOINTSTUDY	Yes	Yes
IPGOSIGINTSTUDY	Yes	Yes
IPGOMEAN	No	Yes
IPGOONTRACK	No	Yes
IPGOSKILLS	No	Yes
IPGOLOCATION	No	Yes
IPGOQUINTILE	Yes	Yes
IPGOEMPINDRATE	No	No

Annex B: Updates to algorithms since last published

427. The table below lists substantive changes made to the algorithms in this document since they were last published, including:

a. Changes to algorithms for pre-existing data sources (the ILR or the DDB's legacy data collections).[35]

b. Changes to algorithms for the DDB's Student record since they were used for the 2023-24 Student data checking tool.[36]

428. In addition to these we have made minor corrections and clarifications to a number of the documented algorithms.

429. As noted in the introduction, as a consequence of the OfS changing its technology base, we have taken the opportunity to refine some of the implementation of algorithms, particularly for ABCS and GO quintiles. This might mean changes in some of our student outcomes data, as we have improved the processing of the data. These do not change the written algorithms and so have not been included in the table below.

Field(s)	IPSOURCE	Nature of the update
IPOFSQAIM	ILR	This algorithm has been updated to change the order in which records are assigned a value. The OTHHE_CC, OTHHE_U and OTHHE_Q values have been moved below the OTHL[X]_CC, OTHL[X]_U and OTHL[X]_Q values. This change has been made to the documentation for clarity and it does not impact the outputs produced.
IPHECAT	DDB	This field has been changed to use Z_PRINONUK = 01 for DDB records.
IPLEVELNUM	ILR	Assign IPLEVELNUM = 8 where IPOFSQAIM = 'HIGHER'.
IPHTQ	ILR	Addition of extra condition to check whether the LearningDeliveryCategory was effective when the student was studying.
IPQUALENT3_LINKED	DDB	This algorithm has been updated for codes P00014 and P00016 with a condition concerning HIGHESTQOE and IPQUALENT2_LINKED.

[35] The previous algorithms for these data sources can be found here: Documents describing our measures and definitions - Office for Students

[36] The previous algorithms can be found in the SC23 data summary technical document available here: 2023-24 Student data checking tool - Office for Students

Field(s)	IPSOURCE	Nature of the update
		This change has been made to the documentation for clarity and does not affect the outputs produced.

List of abbreviations

Term	Meaning
ABCS	Associations between characteristics of students
CAH	Common Aggregation Hierarchy
DDB	Designated data body
DfE	Department for Education
ESFA	Education and Skills Funding Agency
FHEQ	Framework for higher education qualifications
FPE	Full person equivalence
FSM	Free school meals
FTE	Full-time equivalence
GO	Graduate Outcomes (survey)
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
MSOA	Middle Layer Super Output Area
NPD	National Pupil Database
NSS	National Student Survey
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)
SKE	Subject knowledge enhancement (courses)
SOC	Standard Occupational Classification
SQA	Scottish Qualifications Authority
TEF	Teaching Excellence Framework
TTWA	Travel to work area
TUNDRA	Tracking underrepresentation of areas

Term	Meaning
UCAS	Universities and Colleges Admissions Service