2022-23 Student (22056) record data checking tool

Student Loans Company (SLC) comparison technical document and rebuild instructions

Contents

Summary

1. This document describes the 2022-23 Student Loans Company (SLC) comparison files generated by the 2022-23 Student data checking tool, and rebuild instructions. Throughout the document, fields taken or derived from the 2022-23 Student (22056) record are shown in capitals.

2. The purpose of this comparison is to ensure that the 2022-23 Student (22056) record is consistent with SLC records. For each provider, we check:

   - whether all students who received student support from the SLC during the 2022-23 academic year are included in the 2022-23 Student (22056) record

   - whether all students who are recorded as receiving SLC tuition fee loans in the 2022-23 Student (22056) record appear in the SLC data

   - whether all students recorded in the SLC data with a withdrawal date have a corresponding end date in the 2022-23 Student (22056) record.

3. The 2022-23 SLC comparison can be used by higher education providers to verify and correct the 2022-23 Student (22056) record before signing off the final data with the designated data body (DDB).

4. This document is aimed at readers with in-depth knowledge of the data. Readers are advised to refer to the 2022-23 Student (22056) record coding manual (https://codingmanual.hesa.ac.uk/22056/home).

5. We will document any changes or corrections to the algorithms in this document on our website: www.officeforstudents.org.uk/data-and-analysis/data-checking-tool/2022-23-student-data-checking-tool/ under 'Updates'.

2022-23 SLC comparison data files

6. The SLC comparison outputs are formed of two files. These are:

    a. SLC comparison workbook 'SLC22_DCT_XXXXXXXX.xlsx'

    b. SLC comparison individualised file 'SLC22_DCT_XXXXXXXX_IND.csv'

    where XXXXXXXX is your provider's eight digit UK Provider Reference Number (UKPRN).

    Details of how to use individualised files are given on our website at: www.officeforstudents.org.uk/data-and-analysis/supplying-data/working-with-individualised-files/.

7. These files can be accessed via the Information Reporting Interface Service (IRIS) report which is available on the DDB's data collection site at https://datacollection.hesa.ac.uk/. Access details will be sent to the appropriate contacts at providers when the data checking tool is available.

Using the individualised file

8. When working through this document it is necessary to use the individualised file SLC22_DCT_XXXXXXXX_IND.csv, where XXXXXXXX is the UKPRN. This will show the allocation of students to cells within the output and, where relevant, details of why they were excluded from the output.

9. The individualised file contains one record per engagement (each unique combination of UKPRN, SID and NUMHUS) in the latest academic year. Additionally, the individualised file will contain one record per student as recorded in the SLC data, where that record has not been matched to an instance in the latest academic year.

Linking

10. The 2022-23 Student and SLC records are linked using UKPRN and SSN at the student engagement level (one record per engagement).

Data from student course sessions

11. The number of student course sessions that can be returned for a given engagement is unbounded. This means the number of times INVOICEHESAID and SCSSTARTDATE can be returned for a given engagement is unbounded. However, due to file size considerations we restrict the number of separate INVOICEHESAID and SCSSTARTDATE displayed in the individualised file to three.

12. In the unusual case where an engagement has more than three student course sessions returned, all values of INVOICEHESAID and SCSSTARTDATE will be considered in our algorithms, although only three will be displayed in the individualised file (displayed as INVOICEHESAID1, INVOICEHESAID2, INVOICEHESAID3, SCSSTARTDATE1, SCSSTARTDATE2, SCSSTARTDATE3).

13. In selecting data to show we will first select data relating to student course sessions with the major source of tuition fees recorded as the SLC (INVOICEHESAID = 5026) and then those with the earliest student course session start date (SCSSTARTDATE).

Changes from the 2021-22 HESA Student Alternative data checking tool

14. Derivations for some derived fields have been updated to take in to account the change in data model from the previous HESA Student Alternative data collection to the new Student (22056) model. More information on our general approach to converting algorithms to the Student (22056) model can be found on the 'Data checking tool' pages of the OfS website under 'Data futures'.[1]

15. Unlike previous SLC Comparison outputs, if there is no link between the Student (22056) record and the SLC data we will not attempt to link the SLC data to the previous year's student data (in this case the 2021-22 Student / Student Alternative Record).

16. SLCCOMDDBPOP has been updated to record active records based on the Z_ACT_CYC derived field.

17. SLCCOMDDBSLCPOP is now based on INVOICEHESAID which replaces MSTUFEE for designating the majority source of funding.

18. All references to ENDDATE have been updated to the ENGENDDATE field.

Fields used in the SLC comparison algorithms

19. Only certain fields, detailed in Table 1, are used to generate the SLC comparison derived fields.

20. Throughout this document, fields taken or derived from the 2022-23 Student (22056) record are shown in capitals using the names given in Tables 1 and 2 respectively.

Table 1: Fields used in the SLC comparison

Data source	Entity	Name	Description	Individualised file column
Student (22056) record	Engagement	UKPRN	UK Provider Reference number	A
Student (22056) record	Engagement	SID	Unique student identifier	B
Student (22056) record	Engagement	NUMHUS	Student instance identifier	C
Student (22056) record	Engagement	OWNSTU*	Provider's own internal identifier for the student	D

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[1] See The OfS website - Data checking tool.

Data source	Entity	Name	Description	Individualised file column
Student (22056) record	Course	COURSEID*	Course identifier	E
Student (22056) record	Course	COURSETITLE*	Course title	F
Student (22056) record	Engagement	ENGENDDATE	End date of engagement	G
Student (22056) record	Student	SSN	Student Support Number	H
Student (22056) record	Student Course Session	INVOICEHESAID (1-3)	Source of the tuition fee recorded in StudentCourseSession	I-K
Student (22056) record	Student Course Session	SCSSTARTDATE (1-3)	Start date of the StudentCourseSession	L-N
SLC	-	SLCSSN	Student Support Number from the SLC data	O
SLC	-	SLCTERMSTART_DATE	The first term start date within the 2022-23 academic year from the SLC data	P
SLC	-	SLCATTENDANCE_DATE	Earliest attendance confirmation date for a term relating to the 2022-23 academic year from the SLC data	Q
SLC	-	SLCWITHDRAWN_DATE	The latest withdrawal date within the 2022-23 academic year from the SLC data	R
SLC	-	SLCYEARSTART_DATE	The term 1 start date from SLC data. Used to determine whether the student record relates to a year of study which began in the 2022-23 or 2021-22 academic year	S

* These fields are not used in the comparison but are included in the individualised file to allow easy identification of students.

Description of derived fields

21. Here we give descriptions of the derived fields in the individualised file. These fields are used in the SLC comparison. Records that do not link will be included in the individualised file so that these can be reviewed.

Table 2: List of derived fields used in SLC comparison

Derived field name	Description	Paragraph
SLCCOMDDBPOP	Identifies students in the 2022-23 Student (22056) record for the provider	22
SLCCOMDDBSLCPOP	Identifies students in the 2022-23 Student (22056) record whose main source of tuition fees is the SLC	23
SLCCOMSLCPOP	Identifies students who have had their registration or attendance confirmed in the SLC data	24
SLCCOMSLCFUND	Identifies the streams of funding released on behalf of the student by the SLC	25
SLCCOMENDCHECK	Identifies students in the SLC data with a withdrawal date where no ENGENDDATE or a substantially later or earlier ENGENDDATE is recorded in the 2022-23 Student (22056) record	26

SLCCOMDDBPOP

22. This field identifies students who are in the 2022-23 Student (22056) record for the provider.

Value	Description	Definition
1	Student is in the 2022-23 Student (22056) record for the provider with an active record	A record was found in the 2022-23 Student (22056) record for the provider in the 2022-23 academic year and Z_ACT_CYC = 1
2	Student is in the 2022-23 Student (22056) record for the provider with a non-active record	A record was found in the 2022-23 Student (22056) record for the provider in the 2022-23 academic year and Z_ACT_CYC ≠ 1
0	Student in not in the 2022-23 Student (22056) record	Otherwise

SLCCOMDDBSLCPOP

23. This field identifies students in the 2022-23 Student (22056) record whose source of tuition fees is the SLC, for each StudentCourseSession that starts after 31 July 2022.

Value	Description	Definition
1	Student engagements whose source of tuition fees is the SLC	SLCCOMDDBPOP = 1 and ((INVOICEHESAID1 = 5026 and SCSSTARTDATE1 > 31 July 2022) or (INVOICEHESAID2 = 5026 and SCSSTARTDATE2 > 31 July 2022) or (INVOICEHESAID3 = 5026 and SCSSTARTDATE3 > 31 July 2022))
0	Student engagements whose source of tuition fees is not the SLC	Otherwise

SLCCOMSLCPOP

24. This field identifies students in the SLC data who were paid some student support in the 2022-23 academic year, and either did not withdraw within 14 days of the first term start date in that year, or else had their attendance confirmed during 2022-23.

Value	Description	Definition
1	Students who have had their registration or attendance confirmed in the SLC data	SLCSSN ≠ BLANK and (ENGENDDATE = BLANK or ENGENDATE > 31 July 2022) and (SLCWITHDRAWN_DATE > SLCTERMSTART_DATE + 14 or SLCWITHDRAWN_DATE= BLANK or SLCTERMSTART_DATE = BLANK or SLCATTENDANCE_DATE ≠ BLANK)
0	Students who have not had their registration or attendance confirmed in the SLC data	Otherwise

SLCCOMSLCFUND

25. This field identifies the streams of funding delivered to students from the SLC in the 2022-23 academic year.

Value	Description
1	Both tuition fee and maintenance funding were released on behalf of the student in the 2022-23 academic year

Value	Description
2	Only tuition fee funding was released on behalf of the student in the 2022-23 academic year
3	Only maintenance funding was released on behalf of the student in the 2022-23 academic year
0	Otherwise

SLCCOMENDCHECK

26. This field identifies students in the SLC data with a withdrawal date where no ENGENDDATE or an ENGENDDATE which is more than 14 days different is recorded in the 2022-23 Student (22056) record.

Value	Description	Definition
1	Students who have a withdrawal date in the SLC data but no ENGENDDATE is recorded in the 2022-23 Student (22056) record	A record was found in the 2022-23 Student (22056) record and SLCSSN ≠ BLANK and SLCWITHDRAWN_DATE ≠ BLANK and SLCWITHDRAWN_DATE < 01 August 2023 and ENGENDDATE = BLANK
2	Students who have a substantially later ENGENDDATE than the withdrawal date in the SLC data	A record was found in the 2022-23 Student (22056) record and SLCSSN ≠ BLANK and SLCWITHDRAWN_DATE ≠ BLANK and ENGENDDATE ≠ BLANK and ENGENDDATE > SLCWITHDRAWN_DATE + 14
3	Students who have a substantially earlier ENGENDDATE than the withdrawal date in the SLC data	A record was found in the 2022-23 Student (22056) record and SLCSSN ≠ BLANK and SLCWITHDRAWN_DATE ≠ BLANK and ENGENDDATE ≠ BLANK and ENGENDDATE < SLCWITHDRAWN_DATE - 14
0	Students who are not included in the Student (22056) record, or have no withdrawal date in the SLC data or have a withdrawal date in the SLC data which is within 14 days of the ENGENDDATE	Otherwise

Rebuild instructions

27. The individualised file, SLCCOM22_DCT_XXXXXXXX_IND.csv, can be used to interrogate the data and our calculation of derived fields by filtering to certain groups of records. Full details of how to access and use individualised files are given on the OfS website (www.officeforstudents.org.uk/data-and-analysis/supplying-data/working-with-individualised-files/).

28. Specific instructions to rebuild the 2022-23 SLC comparison summary figures in the workbook, SLCCOM22_DCT_XXXXXXXX.xlsx, are provided here.

Table 3: Fields to use in rebuilding SLC comparison summary figures

Item in workbook	Derived field selection in individualised file
Students receiving student support and appearing in the 2022-23 Student (22056) record as active	SLCCOMDDBPOP = 1 and SLCCOMSLCPOP = 1 and SLCCOMSLCFUND = 1 or 2 or 3
Students receiving student support and appearing in the 2022-23 Student (22056) record as not active	SLCCOMDDBPOP = 2 and SLCCOMSLCPOP = 1 and SLCCOMSLCFUND = 1 or 2 or 3
Students receiving student support and not appearing in the 2022-23 Student (22056) record	SLCCOMDDBPOP = 0 and SLCCOMSLCPOP = 1 and SLCCOMSLCFUND = 1 or 2 or 3
Students recorded in the 2022-23 Student (22056) record as receiving a tuition fee loan and not appearing in the SLC data	SLCCOMDDBSLCPOP = 1 and SLCCOMSLCPOP = 0
Students appearing in the SLC data with a withdrawal date but either no ENGENDDATE or a substantially different ENGENDDATE is recorded in the 2022-23 Student (22056) record	SLCCOMENDCHECK = 1 or 2 or 3