

HESA data to inform 2023-24 funding data summary: Post-collection output

Quality-related research (QR) research degree programme (RDP) supervision fund data summary technical document

Purpose

1. This document describes the algorithms we use to derive postgraduate research (PGR) student FTE numbers from HESA data to inform 2023-24 QR RDP supervision funding.
2. This document is aimed at readers with an in-depth knowledge of the data. Readers are advised to have copies of the HESA Student record coding manual 2021-22 to hand (<https://www.hesa.ac.uk/collection/c21051>) when using this document.

HESA fields used in the 2023-24 QR RDP supervision fund data summary algorithms

3. Only certain fields, detailed in Table 1, are used to generate the 2023-24 QR RDP supervision fund data summary using HESA student data from the academic year 2021-22.
4. Throughout this document, fields taken or derived from the HESA return are shown in capitals using the names given in Tables 1 and 2 respectively.

Using the individualised file

5. When working through this document it is necessary to use the individualised file RDP21_XXXXXXXXX_IND.csv, where XXXXXXXXX is the UK Provider Reference Number (UKPRN) for the provider¹. This document shows the calculation of the eligible PGR FTE. The individualised file contains one record for each student instance x unit of assessment x provider supervising this part of the instance (HUSID x NUMHUS x UOA2021 x RDPPROV) that has a postgraduate course aim (that is, the first character of COURSEAIM = D, E, L or M, unless COURSEAIM = M22, M26 or M28) during 2021-22.

Table 1: HESA fields which are used to inform the QR RDP supervision fund data summary

¹ The QR RDP supervision fund data summary and individualised file are available on the Research England Data Portal: <https://redata.services.ukri.org/>.

Entity	Field	Description
Course	COURSEAIM	General qualification aim of course
Instance	CAMPID [†]	Campus identifier
Instance	COLFROMDATE	Date a student has transferred from another collaborating provider
Instance	COLFROMPROV	Collaborating provider that a student has transferred from
Instance	COLTODATE	Date a student has transferred to another collaborating provider
Instance	COLTOPROV	Collaborating provider that a student has transferred to
Instance	COURSEID [†]	Course identifier
Instance	ENDDATE	End date of instance
Instance	EXCHANGE	Exchange programmes
Instance	FUNDCODE	Fundability code
Instance	INSTCAMP [†]	Provider's own campus identifier
Instance	MCDATE	Change of mode date
Instance	MODE	Mode of study
Instance	NUMHUS	Student instance identifier
Instance	NUMHUSPREV	NUMHUS used by a previous provider where a student has transferred
Instance	OWNINST [†]	Provider's own instance identifier
Instance	STULOAD	Student instance FTE
Instance	YEARPRG	Year of course
Instance	YEARSTU	Year of student on this instance
Institution	UKPRN	UK Provider Reference Number
Student	HUSID	HESA unique student identifier
Student	ORCID [†]	ORCID identifier for the student
Student	OWNSTU [†]	Provider's own identifier for the student

REF Data	COLPROV	Collaborating provider
REF Data	UOA2021	REF 2021 unit of assessment (UOA)
REF Data	UOAPCNT	UOA percentage

† These fields are not used to calculate the QR RDP supervision fund but are included in the individualised file to allow easy identification of students.

Description of derived fields

6. This section details the derived fields in the individualised file. These fields are used to build the PGR FTE used in the QR RDP supervision fund data summary.

Table 2: Derived fields which are used to inform the QR RDP supervision fund data summary

Derived field name	Description	Paragraph
RDPEXCLSUM	QR RDP supervision fund: reason for instance exclusion	11
RDPEXCL1	QR RDP supervision fund: instance exclusion flag 1	7
RDPEXCL2	QR RDP supervision fund: instance exclusion flag 2	8
RDPEXCL4	QR RDP supervision fund: instance exclusion flag 4	9
RDPEXCL8	QR RDP supervision fund: instance exclusion flag 8	10
RDPFTE	QR RDP FTE per UOA per provider for the instance	16
RDPFTEPROVADJ	Final QR RDP FTE for the instance attributed to each UOA and provider	18
RDPFTETOT	FTE for the instance counted towards QR RDP FTE calculation	14
RDPMODE	Mode type of the instance	13
RDPProv	UKPRN of provider supervising this part of the instance	15
RDPREF21ELIG	Provider supervising this part of the activity was eligible to submit to REF 2021	17

RDPEXCL1

7. This field indicates whether the student is active on the instance during the academic year 2021-22.

Value	Description	Definition
1	Student not active on instance	ENDDATE < 1 August 2021 or MODE = 63, 64 or (MODEXX = 51, 73, 74 and (MCDATE = BLANK or MCDATE < 2 August 2021))
0	Otherwise	Otherwise

RDPEXCL2

8. These fields indicate whether the instance activity is PGR for the year.

Value	Description	Definition
1	Instance not leading towards a postgraduate research degree	COURSEAIM ≠ D00, L00, L80, L99
0	Otherwise	Otherwise

RDPEXCL4

9. These fields indicate whether the instance is an incoming exchange for the year.

Value	Description	Definition
1	Incoming exchange instance	EXCHANGE = 4,G, Z
0	Otherwise	Otherwise

RDPEXCL8

10. This field indicates whether the instance is Research England-fundable in 2021-22.

Value	Description	Definition
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1	Not a Research England-fundable instance	FUNDCODE ≠ 1, 5
0	Otherwise	Otherwise

RDPEXCLSUM

11. This field indicates whether the student's instance FTE contributes towards the eligible QR RDP FTE. It is calculated as $(1 \times \text{RDPEXCL1}) + (2 \times \text{RDPEXCL2}) + (4 \times \text{RDPEXCL4}) + (8 \times \text{RDPEXCL8})$. The reason(s) which contribute to the exclusion of an instance can therefore be calculated. For example, if $\text{RDPEXCLSUM} = 5$, by subtracting figures from the table below, starting at the bottom, we see that the instance is an incoming exchange instance ($\text{RDPEXCL4} = 1$) and the student is not active on the instance ($\text{RDPEXCL1} = 1$).
12. Instances that contribute towards the eligible QR RDP FTE have $\text{RDPEXCLSUM} = 0$.

Value	Description	Definition
1	Student not active on instance	$\text{RDPEXCL1} = 1$
2	Instance not leading towards a postgraduate research qualification	$\text{RDPEXCL2} = 1$
4	Incoming exchange instance	$\text{RDPEXCL4} = 1$
8	Not a Research England-fundable instance	$\text{RDPEXCL8} = 1$
0	Otherwise	Otherwise

RDPMODE

13. This field categorises the mode of the instance into active, writing-up or inactive.

Value	Description	Definition
ACTIVE	Active mode of study	$\text{MODE} = 01, 02, 23, 24, 25, 31$
WUP	Writing up	$\text{MODE} = 43, 44$

INACTIVE	Inactive mode of study	MODE = 51, 63, 64, 73, 74
OTHER	Otherwise	Otherwise

RDPFTETOT

14. This field contains the FTE for the instance that informs the QR RDP supervision fund FTE calculation.

Value	Description	Definition
STULOAD	QR RDP FTE for the year	RDPEXCLSUM = 0
0	Otherwise	Otherwise

RDPPROV

15. This field shows the UKPRN of the provider supervising this part of the instance.

Value	Description	Definition
UKPRN	Registering provider is supervising this part of the instance	COLPROV = BLANK
COLPROV	Collaborating provider is supervising this part of the instance	COLPROV ≠ BLANK

RDPFTE

16. This field shows the QR RDP FTE for the instance (RDPFTETOT) attributable to each UOA (UOA2021) and provider supervising the activity (RDPPROV). It is calculated as $RDPFTETOT \times (UOAPCNT/100)$.

RDPREF21ELIG

17. This field indicates whether the provider supervising this part of the activity (RDPPROV) was eligible to submit to REF 2021.

Value	Description
1	Provider supervising this part of the activity (RDPPROV) was eligible to submit to REF 2021
0	Otherwise

RDPFTEPROVADJ

18. This field shows the QR RDP FTE for the instance (RDPFTE TOT) attributable to each UOA (UOA2021) and provider supervising the activity (RDPPROV) that was eligible to submit to REF 2021 (RDPREF21ELIG = 1). It is this FTE that will be used to inform the QR RDP supervision fund FTE calculation.

Value	Definition
RDPFTE TOT × (UOAPCNT/sum of UOAPCNTs across all providers eligible to submit to REF 2021 supervising this instance)	RDPREF21ELIG = 1
0	Otherwise