

**Research information tools and services:
Invitation to tender**

[15.02.2021]

Introduction

This invitation to tender is to provide tools and services that allow Health Data Research UK (HDR UK) to

- explore data from HDR UK's annual reporting process, with some basic analytical capabilities and
- search and discover HDR UK-affiliated outputs that can be used to communicate the Institute's impact.

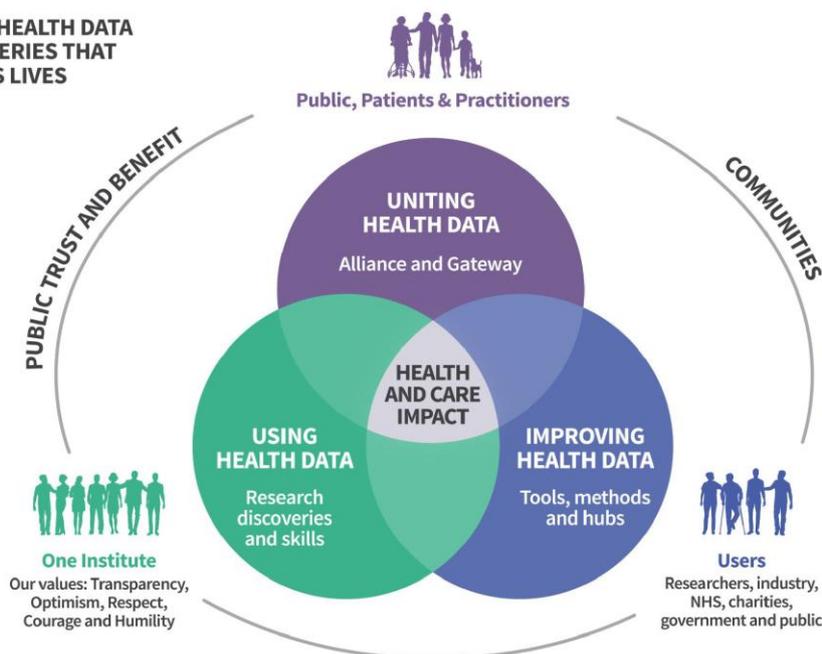
About Health Data Research UK

Health Data Research UK (HDR UK) is the national institute for health data science. Our mission is to unite the UK's health data to enable discoveries that improve people's lives. It is funded by UK Research and Innovation, the Department of Health and Social Care in England and equivalents in Northern Ireland, Wales and Scotland, and leading medical research charities.

HDR UK was set up in 2018 to support research on health data at scale to advance our understanding of disease and enable new discoveries that will ultimately improve health and care. We have established national research programmes that use data at scale, and we are building an infrastructure to enable the responsible access and analysis of this data. Our work is structured around three key themes:

- Uniting health data – which includes the UK Health Data Research Alliance and the Health Data Research Innovation Gateway
- Improving health data – which includes tools, methods, Health Data Research Hubs and the BHF Data Science Centre
- Using health data – which includes research discoveries and skills development across four national priority areas: Understanding the Causes of Disease, Clinical Trials, Public Health and Better Care.

UNITING THE UK'S HEALTH DATA
TO ENABLE DISCOVERIES THAT
IMPROVE PEOPLE'S LIVES



Context

HDR UK's research community undertakes an annual national reporting process to record the outputs of individual research projects. This is conducted via an online reporting platform, Researchfish. The result of this process is a very large Excel spreadsheet with lists of research outputs that include:

- publications (e.g., journal articles, technical standards)
- further funding
- engagement activities
- influence on policy, practice, patients & the public
- research tools & methods; software & technical products
- awards and recognition.

This is highly valuable data that will provide us with insights on our progress against our strategy, however we require tools and services to explore, analyse, and present the data in a way that can enable clear and compelling reporting to our key funders and stakeholders and for use across HDR UK's communications channels.

Our requirements

We are looking for a supplier that can provide the tools and services, including linkage to a comprehensive citation database, to a) explore data from HDR UK's annual reporting process and b) search and discover HDR UK-affiliated outputs that can be used to communicate impact.

Research information tools and services circa £10,000 (excluding VAT) will be considered.

Key relationships

The supplier will work with HDR UK's Research Manager (Hollydawn Murray) and National Science Programme Manager (Victoria Effiom) to deliver this service.

Dates

The supplier is expected to work with HDR UK beginning 2 April 2021 with end date 31 March 2022.

Tools and services to be provided

The tools and services provided allow exploration and basic analyses including but not limited to:

1. The level of HDR UK research, segmented by:
 - a. HDR UK's six Research Priorities (i.e., Public Health, Clinical Trials, Better Care, Human Phenome, Understanding Causes of Disease and Applied Analytics).
 - b. HDR UK Community group, whereby 'community' refers to our different types of teams within different research structures e.g., Fellows, Sprint Exemplar teams, University research teams.
 - c. Health Category and Research Activity type of publications (e.g., as defined by the [Health Research Classification System](#)). Please note this is not an essential part of the tender and only required if existing capability for HRCS coding is within your organisation.
2. Trends in the outputs of HDR UK research, including:
 - a. Level and outputs of public and patient engagement.
 - b. The spatial, temporal, diversity and scale of data used in research.
3. An indication of the impact of the outputs of research – including publication, dataset, and software citations as well as software dependencies.
4. How far HDR UK is acting nationally (e.g., number publications with authors from a single vs more than one HDR UK Research Organisation, inter site collaboration) compared to similar organisations and the baseline data.
5. Financial leverage of investments (e.g., for every £1 spent, £X was leveraged from other sources).
6. HDR UK's international collaborations.
7. Insight into the size and segmentation of HDR UK communities engaged: researchers, patients, public, academia, NHS, charities, government, and industry (to include a number of people engaged).
8. Measures of diversity – in terms of people, data, perspectives and skillsets.
9. Impact of HDR UK research on patients, public and practitioners (i.e., clinicians and the NHS).
10. Teams with the largest outputs.
11. Disciplines covered by journals (e.g., interdisciplinary journals).
12. How 2020 HDR UK research outputs compare 2019 outputs and to the 2018 baseline.
13. How 2020 HDR UK research outputs compare to similar institutions.

14. Other insights with relevance to the [HDR UK strategy](#) and impact framework ([Appendix A](#)) – identification of trends/patterns in the data not anticipated, as outlined above.

Training and support

The selected supplier will provide comprehensive training resources and access to frontline support services. Training resources should be aligned to HDR UK's requirements described herein; support services should include general troubleshooting and questions.

Audiences

The research information tools and services will be used by HDR UK staff, including (but not limited to) research managers, programme managers, data engineers, and communications officers. Outputs of their work will be used in a range of communication channels (including HDR UK's annual report, website, and monthly newsletter) targeted at HDR UK's funders, data users (researchers and innovators), key stakeholders and patients and the public.

Additional data that will be provided

- 2018 baseline data, for comparison.
- 2019 calendar year HDR UK diverse research, training and infrastructure outputs.
- 2020 calendar year HDR UK diverse research, training and infrastructure outputs.

Project management

- Key contact at HDR UK – Hollydawn Murray, (hollydawn.murray@hdruk.ac.uk).
- Kick-off meeting to clarify HDR UK requirements.
- Weekly progress meetings.
- Comprehensive training resources aligned to HDR UK requirements.
- Access to support services to trouble-shoot any issues and answer any questions that arise.

Selection criteria

- Credible approach to meeting the requirements.
- Proven expertise of delivering against the requirements listed.
- Comprehensive training resources and support service.
- Value for money – noting our public sector funders, we operate for the public good.

Location

The services will be provided to HDR UK's Central team based remotely in the UK. It is anticipated that most of the work will be delivered remotely.

Tender response format

Please provide by 5 p.m. on the 8th of March 2021 to Enquiries@hdruk.ac.uk

- A 3-page proposal outlining:
 - Your tools and services in the domains and activities described.
 - Training and support services provided.
 - A link to the full version and/or demo details of your tools and services.
- A half-page CV for each proposed team member (to include links to examples of previous similar work).
- 2 reference contacts for comparable work.
- Total cost and subscription fees (clearly stating VAT) stating any appropriate discounts for public sector clients.

Timing

Stage of process	Date	Location
Deadline for response	8 March 2021	Enquiries@hdruk.ac.uk
Notification of invitation to interview	15 March 2021	Via email
Interview	22-26 March 2021	Virtual
Notification of outcome	29 March 2021	Via email
Contract start date	2 April 2021	
Contract end date	31 March 2022	

Appendix A

Impact Framework

How does HDR UK maximise the potential of data to improve health?

- a) Translation of discoveries & research into interventions at scale.
- b) Influence on policy including clinical practise guidelines.
- c) Knowledge transfer.
- d) Training, career development and capacity building.
- e) Public and patient engagement.
- f) Leveraged funding.

How does HDR UK make a distinctive contribution to UK research?

- a) Provision of resources and infrastructure to enable research.
- b) Facilitation of cross-sector partnerships and research networks.
- c) Innovative academic industry partnerships.
- d) A well-trained, diverse, and inclusive research community.

How well does HDR UK generate world leading outputs and share these nationally and internationally?

- a) Interdisciplinary and cross-sector collaborations.
- b) Consortia-based approaches.
- c) Innovative academic industry partnerships.
- d) Sharing networks for knowledge, skills, data, tools.
- e) Reach and reuse of publications and other outputs.

How does HDR UK support those who contribute to research?

- a) Creating a positive culture for better science including Team Science, Open Science, and support for all research outputs.
- b) Training and education across all career stages.
- c) Leveraged funding and onward mobility.

How does HDR UK engage public patient and practitioners?

- a) Involvement of patient and public advisors in research, decision making and policy.
- b) Building patient and public trust in HDR UK and health data research.

How has HDR UK pivoted to support COVID-19 research?

- a) Provision of resources and infrastructure to enable research.
- b) Facilitation of cross-sector partnerships and research networks.
- c) Research to better understand and treat COVID-19.
- d) Stakeholder reporting.