

HDR UK Attribution Policy

Purpose

This document sets out who is required to adhere to this policy, which research outputs should be attributed and how. This includes how team science and the use of patient data should be acknowledged. A key intention of this policy is to clarify how HDR UK will keep track of its research outputs across Sites and other initiatives, enabling reporting on achievements across the whole institute.

Background

This policy goes beyond setting out how to cite the source of funding for published work and extends to algorithms, code, software and methodologies we generate as part of our strategy to develop safe, secure and scalable health data science tools and technologies, that will demonstrate the power of large-scale health data to address major health challenges.

As well as attributing HDR UK in research outputs, the HDR UK community should also recognise the role of patients and public in providing health data. We also expect all members of research teams, to be recognised, actively demonstrating team science.

This policy aligns with HDR UK's core values:

- *Transparency* - we will incentivise the sharing of information, insights and innovations, in a consistent way (as set out in this policy), and clearly attribute them to HDR UK.
- *Optimism* – we are optimistic that the wider benefits of adhering to this policy, as well as the recognition we offer, will be sufficient incentive to do so and therefore embrace team science.
- *Respect* – of all team members by ensuring all contributors are named on publications and their role acknowledged through use of [CASRAI's Contributor Roles Taxonomy \(CRediT\) system](#), where possible, as well as acknowledging public and patients who provide their data to help advance medical research.
- *Courage* – this policy goes above and beyond typical academic attribution policies which are often limited to publications. HDR UK recognises that algorithms, code, software and methodologies will be key outputs generated by the HDR UK community and should be made available to researchers and other users with as few restrictions as possible.
- *Humility* – by setting out mechanisms to clearly and consistently attribute both the direct outputs of our work, as well as recognise and celebrate, but not overclaim, where our work has catalysed achievements of other individuals and organisations.

This policy complements the 'Open Access Policy' and 'Brand and Style Guide' – this attribution policy says *who* should attribute, as well as *what*, *how* and *why* outputs should be attributed, whereas:

- The 'Open Access Policy' sets out *when* and *where* outputs should be made available, i.e. as soon as possible in open access environments (e.g. open access journals).
- The 'Brand and Style Guide' (available on the HDR UK website) goes into more detail on the HDR UK brand identity and how it should be applied across communications more generally (e.g. press releases, where to find HDR UK branded presentation templates, etc).

¹ CASRAI = Consortia Advancing Standards in Research Administration Information

Attributing HDR UK research outputs

HDR UK research outputs include typical academic measures of success, such as publications. As publications are increasingly announced on social media platforms, such as Twitter and LinkedIn, attribution of tweets is also set out in this policy. Core to HDR UK's mission is the generation of algorithms, code, software and methodologies that facilitate the analysis of large-scale data, so these are also covered by this policy. This policy reflects our commitment to the FAIR data principles (Findability, Accessibility, Interoperability, and Reusability).

Annex 1 details which and how outputs should be attributed.

Defining the HDR UK community – to whom this policy applies

We are a distributed institute with partnership at our core - it can be challenging to define who the HDR UK community is, when we are not all 'under one roof'. So for clarity:

If you are in receipt of funds from HDR UK (e.g. salary, research costs), or involved in an HDR UK project (including where salary is an in-kind contribution), then this attribution policy applies to you.

This includes **Institute Members**, including researchers, scientists, technologists, triallists etc working in HDR UK Sites, on HDR UK National Implementation Project Teams, HDR UK Sprint Exemplar Teams, as well as HDR UK UKRI/Rutherford Fund Fellows, HDR UK PhD and MSc students etc.

This also includes individual and institutional **Affiliate Members**, for outputs that have resulted from being part of a team that includes HDR UK Institute Members.

More detail can be found at **Annex 2**.

Each member of the HDR UK community is required to hold an active [ORCID](#)² account and provide HDR UK Central with their ORCID number (please email enquiries@hdruk.ac.uk).

If you would like further clarity on whether you are defined as a member of the HDR UK community and therefore should adhere to this policy, please email enquiries@hdruk.ac.uk.

Recognising and rewarding the HDR UK community

Ways in which the HDR UK community are recognised and rewarded, based on the scientific outputs to which they contribute, include but are not limited to:

1. Every month a list of all open access HDR UK publications³ will be announced in the HDR UK monthly newsletter, Hive; and added to the complete list of open access HDR UK publications on our website.
2. 'Open Access HDR UK Publication of the Month' to be selected by a panel of early career researchers. This will be announced in the HDR UK monthly newsletter, HIVE, and featured in a blog published on the HDR UK website. Criteria will be based on our One Institute principles/values/USPs, such as research at scale and team science.

² Open Researcher and Contributor ID (ORCID): unique identifiers well-used in academia that will be helpful in tracking individuals in various systems.

³ To be collected by 'scraping' publications from Europe PubMedCentral that have listed HDR UK as an author affiliation or as providing funds/support in acknowledgements (or similar) section.

3. 'HDR UK Team of the Year' award to be selected by the HDR UK's International Advisory Board on similar criteria as above. Open application process to be coordinated by HDR UK Central and teams will be encouraged to provide a range of outputs as evidence of success.
4. 'HDR UK GitHub contributor of the year', to be named each year, based on GitHub's in-built leaderboard.

Further information or clarity

The HDR UK Central team is keen to support attribution and communication around outputs. Please contact us at enquiries@hdruk.ac.uk if you need any support or clarification in this regard.

This policy was published in July 2019 and will be reviewed after six months of implementation. If you have any suggestions for amendments, please contact Melissa Lewis-Brown, HDR UK Science Manager on enquiries@hdruk.ac.uk.

Annex 1: How to acknowledge HDR UK in research outputs.

Output	HDR UK affiliation	HDR UK attribution	Team science attribution	Patient & public data attribution
Code and related digital artefacts		<p>Make code (e.g. algorithms, analytical script, source code) and related digital artefacts (e.g. documents) available within the HDR UK GitHub repositories:</p> <ul style="list-style-type: none"> For HDR UK work that started after the publication of this policy (i.e. July 2019), a new repository should be created within HDR UK on GitHub, to create and store related code etc. For HDR UK work that started prior to July 2019, we strongly encourage code etc to be made available (e.g. via forking or mirroring) in the HDR UK repositories. However, the preference is to create a new repository within HDR UK on GitHub. The default license for code in the HDR UK GitHub repositories is the MIT license, including forked/mirrored repositories. Otherwise, similarly liberal and open source licenses (such as Apache 2.0, BSD, Eclipse Public License) should be used, permitting anyone to benefit from, improve upon and redistribute the code. Any comments on code should always be polite and constructive, with collaboration and improvement as the intended outcome. We encourage the community to help in monitoring this culture. 		n/a
Publications ⁴	List HDR UK as one of the institutions to which you are affiliated	<p>Include in acknowledgements or funding section:</p> <p><i>'This work was supported by Health Data Research UK⁵, which is funded by the UK Medical Research Council, Engineering and Physical Sciences Research Council, Economic and Social Research Council, Department of Health and Social Care (England), Chief Scientist Office of the Scottish Government Health and Social Care Directorates, Health and Social Care Research and Development Division (Welsh Government), Public Health Agency (Northern Ireland), British Heart Foundation and the Wellcome Trust'</i></p> <p>A shortened version may be used if necessary:</p> <p><i>'This work was supported by Health Data Research UK, an initiative funded by UK Research and Innovation, Department</i></p>	List as authors each contributor to the work and acknowledge the contribution of each person using CASRAI's ⁶ Contributor Roles Taxonomy (CRediT) system	<p>Include in acknowledgements or funding section use MY data's data citation:</p> <p><i>'This work uses data provided by patients and collected by the NHS as part of their care and support'</i></p>

⁴ Publications include journal articles/reviews, technical reports, technical standards, books, book chapters, conference proceedings/papers etc.

⁵ No grant reference number required.

⁶ Consortia Advancing Standards in Research Administration Information (CASRAI).

Output	HDR UK affiliation	HDR UK attribution	Team science attribution	Patient & public data attribution
		<i>of Health and Social Care (England) and the devolved administrations, and leading medical research charities'</i>		
Datasets made available	n/a	A unique, persistent DOI should be generated and assigned to datasets made available, listing HDR UK as a supporter, e.g. using a system such as DataCite .	List as author each contributor to the work	TBC
Tweets announcing HDR UK outputs ⁷	n/a	Tag @HDR_UK into the tweet	Consider including an appropriate hashtag to acknowledge teamwork in health data research, e.g. #teamscience or #oneinstitute	Consider including an appropriate hashtag to acknowledge use of patient/public data where appropriate, e.g. #datasaveslives
LinkedIn announcements ⁸ of outputs	n/a	Tag @Health Data Research UK into the post		
Summaries of outputs as presentations, media activity, press releases, events etc	Please see the 'HDR UK Brand and Style Guide' on the HDR UK website.			

⁷ HDR UK does not require publications to be announced on Twitter, but if they are this policy should be adhered to.

⁸ HDR UK does not require publications to be announced on LinkedIn, but if they are this policy should be adhered to.

Annex 2. How the HDR UK community is defined and policy adherence expectations for each group.

Group	Definition	Groups included	Policy adherence
Institute Members	Those directly supported by HDR UK funds, either with salary or research costs or ‘in-kind’ provision of time	<ul style="list-style-type: none"> • Research Directors • Associate Directors • Scientists, technologists, postdocs, researchers, triallists etc working on activities such as: <ul style="list-style-type: none"> ○ HDR UK Substantive Site Projects ○ HDR UK National Implementation Projects ○ HDR UK Sprint Exemplars • UKRI/Rutherford Fund Fellows • HDR UK MSc and PhD students 	Required to adhere to this policy , for outputs that have resulted from projects funded by HDR UK and/or for projects where at least part of their time has been directly funded by HDR UK
	Those directly supported by HDR UK funds, either with salary or ‘in-kind’ provision of time, who provide professional delivery roles	<ul style="list-style-type: none"> • Professional Leaders Group • PAs/EAs to Research Directors 	
	Those employed by HDR UK or seconded to HDR UK Central	<ul style="list-style-type: none"> • HDR UK Central staff and secondees 	
Affiliate Members	Collaborate or partner on HDR UK supported projects or activities, but not directly supported by HDR UK funds	<p>Institutional Affiliate Members:</p> <ul style="list-style-type: none"> • UK Health Data Research Alliance members • Academic collaborators (e.g. ATI) • Non-research partners (e.g. NHS Digital, Medicines Discovery Catapult) <p>Individual Affiliate Members:</p> <ul style="list-style-type: none"> • Members of HDR UK sites, not directly funded by HDR UK, but who directly engage with and contribute to HDR UK research teams or projects. 	Required to adhere to this policy in some cases , i.e. only for outputs that have resulted from being part of a team that includes HDR UK Institute Members
Users & Beneficiaries	Use and benefit from HDR UK research outputs, but not funded by HDR UK and not involved in developing HDR UK’s outputs	<ul style="list-style-type: none"> • Users of algorithms, code, software and methodologies etc generated by Institute Members • Users of the DIH Hub services 	Not required to adhere to this policy (unless they have been involved in a project that has been partially funded by HDR UK)