

HDR UK Scientific Conference **ANNUAL AWARDS 2024**

HDR UK CONFERENCE:
**THE GRAND
CHALLENGES
IN HEALTH DATA**
5 - 6 MARCH 2024 / LEEDS



Awards Overview

SUSANNAH BODDIE AWARD FOR IMPACT OF THE YEAR

TEAM OF THE YEAR AWARD

PATIENT AND PUBLIC INVOLVEMENT AND ENGAGEMENT (PPIE) AWARD



Susannah Boddie Award for Impact of the Year

PANELLISTS

James O'Shaughnessy - Chair

House of Lords

Arun Sujenthiran

Flatiron Health

Ben Johnson

SpringerNature (Public and Patient Representative)

David Goll

10 Downing Street Data Science (10DS)

Munisa Hashimi

Brunel University (Public and Patient Representative)

Samantha Ip

University of Cambridge

Vasa Curcin

King's College London

The Susannah Boddie Award for Impact of the Year is awarded in honour of Susannah, a 27-year old senior data scientist in 10 Downing Street's Data Science team (10DS) who passed away in August 2023.

Susannah was an incredible health data scientist, an inspiring sportswoman, a loved and admired colleague and a friend to those at No 10, and many others within the civil service. Working closely with colleagues at the Department of Health and Social Care and the NHS, Susannah ensured that the Prime Minister received the best available data and evidence for important decisions.

This award celebrates the work with the highest impact on people's lives, through the use of health data, within HDR UK and beyond. This includes algorithms, software,

tools, digital resources, policy or practice change exemplars, publications and pre-prints, relating to health data research from the last year. Impacts have involved and engaged patients or service users, carers and the public at every appropriate stage of the research project life cycle. The applications were assessed by a panel of experts including members of the public.

This award was chaired by James O'Shaughnessy, House of Lords.

A message from the Chair...

“The judging panel are pleased to celebrate the significant impacts that the health data science community have delivered for us all, in memory of Susannah Boddie. The breadth of impact achieved by this year's finalists is hugely impressive and showcases the power of multidisciplinary, collaborative approaches to generate tangible, real world impact. Each finalist serves as a remarkable example for others to follow.”



James O'Shaughnessy

HDR UK board member and member of the House of Lords

Team of the Year Award

PANELLISTS

Alison Paprica - Chair

University of Toronto

Aisha T. Kekere-Ekun

University of Leicester (Patient and Public Representative)

Michael Fleming

University of Glasgow

Rosemary Walmsley

Public Health Wales

Samantha Wilson

University of Liverpool

Shukrat Olatunji

Black Internship Advisory Group
(Patient and Public Representative)

This award celebrates team science achievement through collaborative endeavours by groups of researchers, innovators, technologists and others working together, within HDR UK and beyond.

Teams spanning different disciplines and geographical centres have come together to tackle challenges, offering their own perspectives based on their own experiences.

The applications were assessed by a panel of experts including members of the public.

This award was chaired by Alison Paprica, University of Toronto.

A message from the Chair...

“ In the dynamic landscape of health data research, the importance of team science cannot be overstated. Put simply, no individual can build data infrastructure or conduct data-intensive research studies that influence policy and practice on their own. Teams with a mix of skills and perspectives are needed for HDR UK to achieve its mission of uniting the UK’s health data to enable discoveries that improve lives. However, it is also true that the setup and functioning of interdisciplinary teams can take considerable time and effort. That is why HDR UK has a Team of the Year award to recognize those efforts and identify exemplary team practices. We congratulate this year’s finalists for the outstanding ways they have worked together to transform health data into knowledge that can improve health and healthcare.”



Alison Paprica

University of Toronto

Patient and Public Involvement and Engagement (PPIE) Award

PANELLISTS

Jan Speechley - Chair

HDR UK, Public Advisory Board

Alan Holcroft

HDR UK, Public Advisory Board

Sonia Patton

HDR UK, Public Advisory Board

Jillian Hastings Ward

Chair, Participant Panel at Genomics England

Barbara Molony-Oates

Health Research Authority (HRA)

Steven Blackburn

Institute of Applied Health Research,
University of Birmingham

Dorcas Kamuya

Kenya Medical Research Institute (KEMRI)

Sian Aggett

National Co-ordinating Centre for Public
Engagement (NCCPE)

Patient and Public Involvement and Engagement (PPIE) is critical to making sure the views and ideas of the patients and public are strategically and meaningfully embedded in health data research.

This should occur across each stage of:

- Research
- Service design
- Data collation
- Storage and sharing

Embedding PPIE in this way ensures trustworthy approaches are developed, and helps build public confidence. Involving and engaging patients and the public throughout enables the maximum research impact for health benefits relevant to people's lives.

PPIE is central to HDR UK's mission. This award celebrates best practice and innovation in PPIE across all aspects of health data research, infrastructure and service development within HDR UK and beyond, which clearly demonstrates the importance of PPIE as an integral and strategic part of the overall process.

This award was chaired by Jan Speechley, HDR UK, Public Advisory Board.

A message from the Chair...

“ The PPIE Award process, from creating the panel to deciding on the winner, was an amazing example of great PPIE in action - working together and embracing PEDRI Best Practice Standards, UK Standards for Public Involvement, and HDR UK TORCH principles. The winners of the award were chosen by those involved and committed to delivering and being a part of great PPIE in health research.”



Jan Speechley

HDR UK,
Public Advisory Board

Shortlisted Candidates

Susannah Boddie Award for Impact of the Year

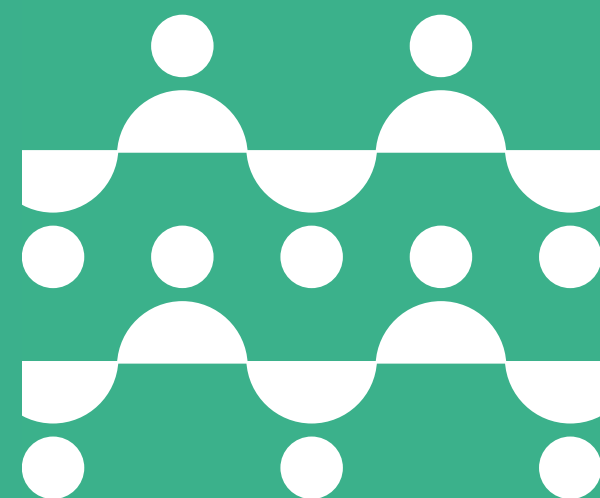
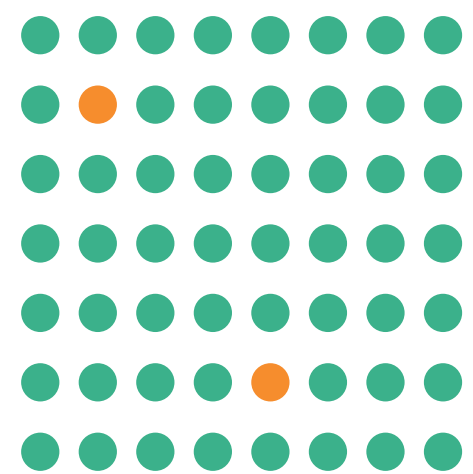
1 / GREEN ALGORITHMS

Part of HDR UK Cambridge

2 / THE IMPACT OF THE COVID-19 PANDEMIC ON CARDIOVASCULAR DISEASE PREVENTION AND MANAGEMENT

Involving members of the BHF Data Science Centre, led by HDR UK

3 / USING DE-IDENTIFIED PRIMARY CARE DATA FOR RESEARCH IN SCOTLAND: A MEETING OF STAKEHOLDERS



SHORTLISTED CANDIDATES:

Susannah Boddie Award for Impact of the Year

CANDIDATE

1

Green Algorithms

Part of HDR UK Cambridge



Michael Inouye

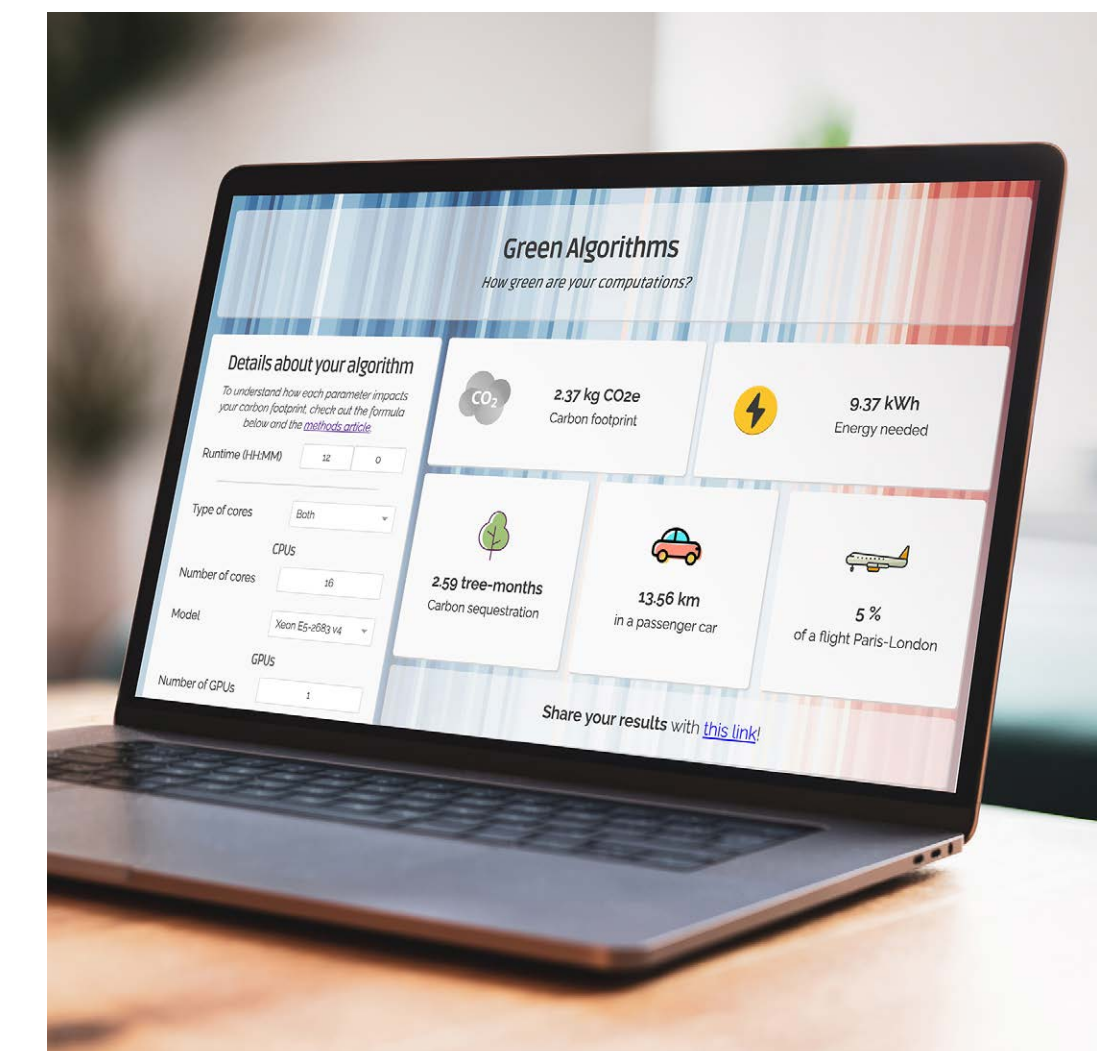


Loïc Lannelongue

The Green Algorithms project promotes more environmentally sustainable computational science by building tools for carbon footprint estimation, raising awareness about the environmental impacts of algorithms, and driving change in the computational science community.

The panel applauded the work's clear impact on policy in a short time frame. The panel were impressed by the direct and tangible environmental impacts

of these efforts, and recognised the pioneering role of this collaborative effort in raising awareness and providing tools for carbon footprint estimation in computational research.



SHORTLISTED CANDIDATES:

Susannah Boddie Award for Impact of the Year

CANDIDATE

2

The impact of the COVID-19 pandemic on cardiovascular disease prevention and management

Involving members of the BHF Data Science Centre, led by HDR UK

Caroline Dale, Rohan Takhar, Raymond Carragher, Michail Katsoulis, Fatemeh Torabi, Stephen Duffield, Seamus Kent, Tanja Mueller, Amanj Kurdi, Thu Nguyen Le Anh, Stuart McTaggart, Hoda Abbasanzani, Sam Hollings, Andrew Scourfield, Ronan A. Lyons, Rowena Griffiths, Jane Lyons, Gareth Davies, Daniel Harris, Alex Handy, Mehrdad A. Mizani, Christopher Tomlinson, Johan H. Thygesen, Mark Ashworth, Spiros Denaxas, Amitava Banerjee, Jonathan A. C. Sterne, Paul Brown, Ian Bullard, Rouven Priedon, Mamas A. Mamas, Ann Slee, Paula Lorgelly, Munir Pirmohamed, Kamlesh Khunti, Andrew D. Morris, Cathie Sudlow, Ashley Akbari, Marion Bennie, Naveed Sattar, Reecha Sofat, CVD-COVID-UK Consortium

Using data on routinely dispensed prescriptions in England, Scotland and Wales, this study published in Nature Medicine found nearly half a million people missed out on starting medication to lower their blood pressure during the Covid-19 pandemic. This represents the first time that medicines data has been used to follow changes in management of chronic conditions. This work has been cited as evidence to improve CVD prevention in NHS England (NHSE) and was also used as evidence to offer blood pressure checks in house in Tesco's soon after publication.

The panel recognised the importance of this cross-nation collaborative approach in deepening our understanding of the nature of the impact of pandemic - federating routinely collected data from 3 nations. The panel were impressed with the study's novelty and immediate contribution to healthcare policy alongside changes in clinical behaviour.



SHORTLISTED CANDIDATES:

Susannah Boddie Award for Impact of the Year



CANDIDATE

3

Using de-identified primary care data for research in Scotland: A meeting of stakeholders



Heather Whalley



Mark Adams



Emily Ball



Matthew Iveson

Data-linkage to electronic health records (e.g., hospital admissions) enables researchers to address important health questions at a population-level. However, Scottish primary care data is not readily available for researchers to link to at a national level. This in-person meeting facilitated discussions between key stakeholders on the benefits and barriers to the transparent use of Scottish primary care data in population health research. The team successfully created an environment where key stakeholders could learn from each other, resulting in material that helps communicate these issues across stakeholder networks.

The panel commends the finalists for their grassroots, multidisciplinary approach - bringing together stakeholders from across the research process to tackle a knotty issue. The panel further applauds the meaningful public and patient involvement and engagement alongside the collaborative ways of working.



Shortlisted Candidates

Team of the Year Award

1 / **LANCASHIRE TEACHING HOSPITALS DATA SCIENCE GROUP**

Members of the UK Health Data Research Alliance

2 / **PENINSULA COLLABORATION FOR HEALTH OPERATIONAL RESEARCH AND DATA SCIENCE**

Part of the HDR UK South West Better Care Partnership Programme

3 / **THE PAN-UK DATA GOVERNANCE STEERING GROUP**

Working group of the UK Health Data Research Alliance



SHORTLISTED CANDIDATES:

Team of the Year Award



CANDIDATE

1

Lancashire Teaching Hospitals Data Science Group

Members of the UK Health Data Research Alliance

**Vishnu Chandrabalan, Dale Kirkwood,
Quin Ashcroft, Tim Howcroft,
Stephen Dobson, Jo Knight**

The Lancashire Teaching Hospitals Data Science Group spun up in 2022 and despite their small size, have done an immense amount of high impact work since. The past year has seen rapid progress in data harmonisation, tech stack development, governance, capacity building and partner relationship building that embodies the requirements to deliver the UK's Secure Data Environment and ethos of HDR UK's mission

A commitment to supporting and developing curious and motivated people shone through the application. This meritocratic approach to team building was identified as a key factor in

fostering diversity in perspectives. Intersecting their lived experience influenced by gender, ethnicity, LGBTQ+, class, immigration and neurodiversity enabled them to develop and deploy solutions across data, tech, governance and PPIE with rigor and pace.

The team is recognised for 'pulling together and getting stuff done' whilst valuing and supporting team members to promote resilience. The panel applaud the team's mentorship approach, which has the potential to serve as a model for others - alongside their public engagement. The team's pride in their work is both evident and warranted.



LTH DATA SCIENCE

SHORTLISTED CANDIDATES:

Team of the Year Award



CANDIDATE

2

Peninsula Collaboration for Health Operational Research and Data Science

Part of the HDR UK South West Better Care Partnership Programme

**Martin Pitt, Thomas Monks,
Michael Allen, Daniel Chalk,
Kerry Pearn, Anna Laws,
Amy Heather, Samantha Rosser,
Chrissie Walker, Amy Coombe**

The Peninsula Collaboration for Health Operational Research and Data Science, part of NIHR PenARC, is a longstanding and dedicated group representing the Southwest of England at the forefront of impactful research and training in the effective use of data within health and care services. Collaborating closely with health and care teams, including those within NIHR, the team showcases a diverse blend of expertise and skills.

The team is recognised for their commitment to training and capacity building alongside a diversity of public participants, team skills, and collaborations. The panel were particularly impressed by the active involvement of early-career researchers, including master's students, and providing valuable opportunities for growth.



SHORTLISTED CANDIDATES:

Team of the Year Award

CANDIDATE

3

The Pan-UK Data Governance Steering Group

Working group of the UK Health Data Research Alliance

Andy Boyd, Cassie Smith, Paul Affleck, Hans-Erik Aronson, Ryan Avison, Alex Bailey, Sue Bateman, Carl Beesley, Ester Bellavia, Elena Beratarbide, Maeve Bluemink Groot, Rachel Brophy, Frances Burns, Stephen Burrows, Robin Carpenter, Michael Chapman, Vicky Chicco, Sabrina Corps, Rebecca Cosgriff, Angela Coulter, Jonathan Darley, Ian Diamond, Claire Edgeworth, Katharine Evans, David Evans, David Ford, Emma Gordon, Jackie Grey, Roger Halliday, Alan Harbinson, Liam Hart, Munisa Hashimi, James Hetherington, Sharon Heys, Tim Hubbard, Kirsty Irvine, Paul Jackson, Jenny Johnson, Rebecca Jones, Zoher Kapacee, Imran Khan, Alison Knight, Pamela Linksted, Ishbel MacPherson, Yemi Macaulay, Fiona Maleady-Crowe, Nick Maltby, Sara-Jane McAteer, Fergus McDonald, Edel McNamara, Amir Mehrkar, Liz Merrifield, Neena Modi, Lynn Morrice, Andrew Morris, Carole Morris, Puja Myles, Ella Nania, Alex Newberry, Allison Noble, Amy Ogborne, Paola Quattroni, Felix Ritchie, David Seymour, Bill South, Peter Stokes, Cathie Sudlow, Janet Valentine, Gemma Warren, James Watson, Richard Welpton, Simon Whitworth, Kevin Willis, Colin Wilson

The Pan-UK Data Governance Steering Group's focus is on simplifying and streamlining data access governance processes for health and health-relevant data. The steering group includes >50 members and represents data custodians, policymakers and other key stakeholders (including public and patients) across the four nations of the UK.

The team is applauded for bringing together expertise to deliver improved processes and products that others can use - including an impressive standardised Data Access Agreement. The panel commend the team's involvement of the public and people outside of research.



Shortlisted Candidates

PPIE Award

1 / UNDERSTANDING PATIENT DATA

Partnering with Thinklusive and The Centre for Ethnic Health Research

2 / DATAMIND

3 / CO-PACT



SHORTLISTED CANDIDATES:

PPIE Award

CANDIDATE

1

Understanding Patient Data

Partnering with Thinklusive and The Centre for Ethnic Health Research

Emma Morgan (UPD), Max Clark and Paul Chorlton (Thinklusive), Barbara Czyznikowska (Centre for Ethnic Health Research).

PUBLIC CONTRIBUTORS:

Elise Martin De La Torre, Mary Lou-Owen, Toby De Roy

Understanding Patient Data believe everyone should be able to understand how patient data is used. However, the topic can be complex and inaccessible, so some of us are at a disadvantage when it comes to knowing about how our health information is used for our benefit. They partnered with Thinklusive and Centre for Ethnic Health Research to develop an Easy Read Guide by bringing together 25 people with different needs and backgrounds to co-create more accessible materials.

Understanding Patient Data and their collaborators were shortlisted not only because they worked to ensure the inclusion of disabled people by co-creating easy-

read materials, but they also considered geographical and language differences and produced materials in written and audio-visual mediums. It can be hard to include people who have access needs, and they demonstrated real commitment by employing a British Sign Language interpreter and a qualified Makaton tutor. They also considered safeguarding in addition to a translator for participants whose first language was Gujarati. The project involved a strong co-creative process with people who have learning, sensory, or physical disabilities, and with the autistic community. They hit upon an issue that is too easily ignored when involvement and engagement is treated as an afterthought.



SHORTLISTED CANDIDATES:

PPIE Award

CANDIDATE

2

DATAMIND

**Rudolf Cardinal, Linda Jones,
Ann John, Rob Stewart.**

PUBLIC CONTRIBUTORS:

**Andrea Hughes, Clara Martins de Barros,
Diksha, Jan Davies, Jan Speechley,
Jane Taylor, Louise Ting,
Michael McTernan, Scott, and others**

DATAMIND is the Health Data Research Hub for mental health. DATAMIND want patients and the public to have a direct voice in the running and direction of their work. They recruited a diverse research advisory group of people with personal or caring experience of mental health conditions, and embedded them into all of DATAMIND's workstreams and leadership groups. The Research Advisory Group have conducted and their own work, shaped and co-produced other research projects, and communicated their views and findings.

The shortlisting panel said:

“DATAMIND’s variety of contributors and the methods used for ensuring their inclusion is excellent. They also had a variety of training methods in place, which are an exemplary demonstration of how training and learning can be supported and co-developed. They have a great approach to PPIE, with clearly meaningful and impactful outcomes. It was a privilege to include them in our shortlist.”



SHORTLISTED CANDIDATES:

PPIE Award



CANDIDATE
3

Co-PACT

**Kam Bhui, Roisin Mooney,
Doreen Joseph**

Co-PACT is a research project which asks people about their experiences of compulsory admission to hospital using a law that is called the Mental Health Act. The Mental Health Act allows professionals to admit people to hospital against their will, and people from black and minority ethnic communities are more likely to get care this way. This can be distressing, reduces trust, and is costly.

Co-PACT presented a novel approach to engaging with people who have lived experience of being detained for this form of mental health treatment. They were shortlisted due to this unique approach and their strong ethos of listening to these unheard groups. They had clear ambitions for the future progression of their work, and we cannot wait to see what further future impact this project will have.



.....
This study/project is funded by the National Institute for Health Research (NIHR) Policy Research Programme [NIHR201704]. The views expressed are those of the author and not necessarily those of the NIHR or the Department of Health and Social Care

Recognitions



In addition to our annual awards, HDR UK seeks to recognise good practices in reproducibility and celebrate the hidden roles that support research delivery.

REPRODUCIBILITY

Reproducibility is central to HDR UK's values. Applicants were asked to highlight any practices employed by their team that support reproducibility and reuse, including preregistration, use of reporting guidelines, FAIR data, open-source software and registered reports.

HIDDEN ROLES

HDR UK is celebrating the practices and people who have had an impact on research delivery such as: data stewards and managers, technicians, research software engineers, professional services personnel, research managers, administrators, and more!



Reproducibility



1 The Greater Manchester Care Record Research Operations Team

→ <https://github.com/rw25man1/gm-idcr>

Will Dixon, Niels Peek, Glen Martin, Veli Sawdon, Ruth Norris, Iliana Serafimova, Richard Williams, George Tilston, Iliada Eleftheriou, Mai Parkes, Matthew Sperrin, David Jenkins, Michael Cook, Kate Wicks, Darryl Davies

The Greater Manchester Care Record is recognised for its transparency - sharing methods openly for reuse alongside a very active Github repository.

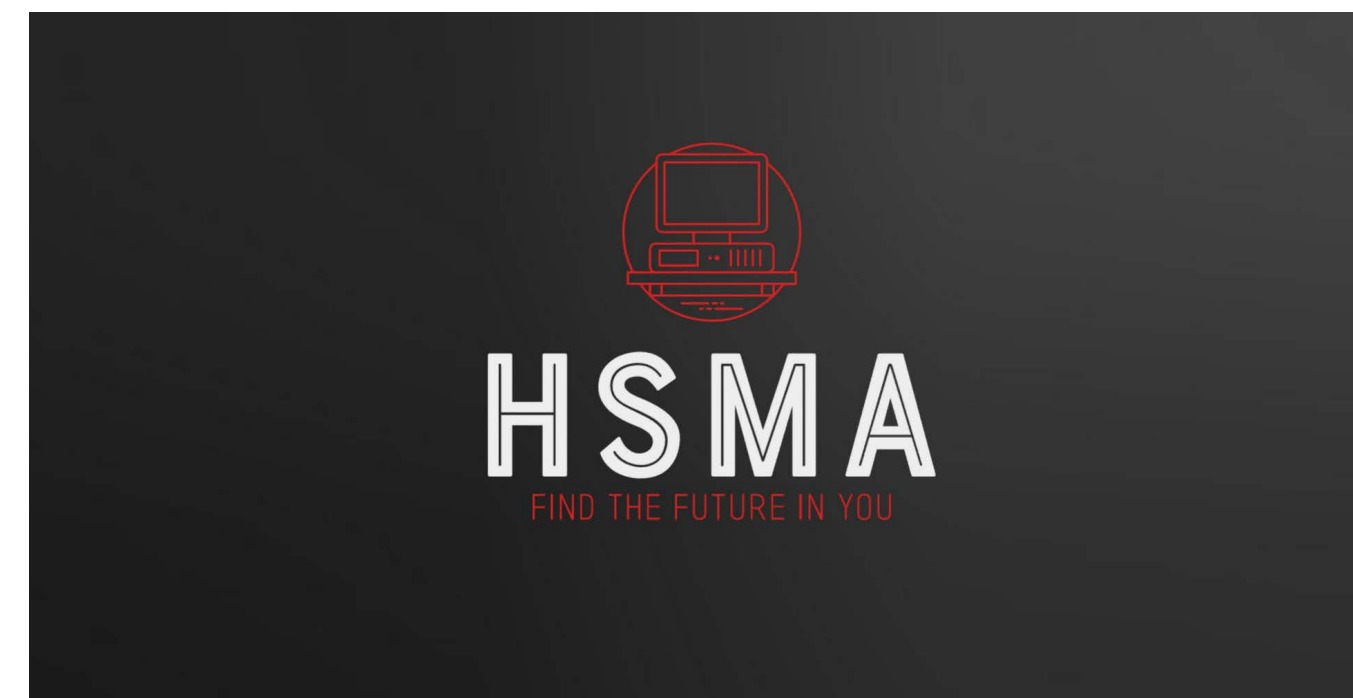


2 HSMA (Health Services Modelling Associates Programme)

→ <https://github.com/hsma-programme>
→ <https://www.youtube.com/@hsma>

Daniel Chalk, Samantha Rosser, Chrissie Walker, Amy Coombe

Delivered by the PenCHORD team, HSMA is recognised for creating high-quality open-access educational materials, showcasing their commitment to providing valuable learning resources without restrictions.



3 Trusted Research Environment Data Access Agreement Template

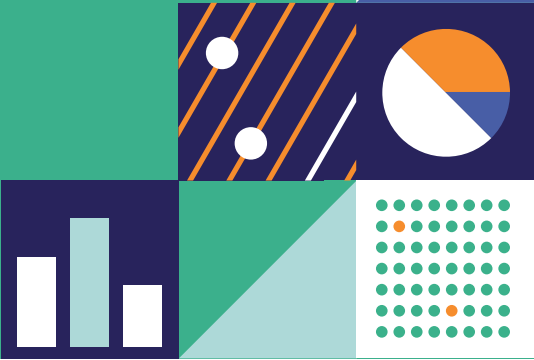
→ <https://zenodo.org/records/10009169>

TRE Legal Toolkit Action Force, Pan UK Data Governance Steering Group, of the UK Health Data Research Alliance

Developed by the Pan-UK Data Governance Steering Group, the template data access agreement (DAA) serves to standardise contractual terms for data access in Trusted Research Environments (TREs). Creating a set of standard DAA terms across TREs across aims to facilitate faster contracting and minimise delays for data intensive research studies across the UK.



Reproducibility



4 EAVE II

→ <https://github.com/EAVE-II>

Vittal Katikireddi, Colin McCowan, Mark Woolhouse, Aziz Sheikh, Igor Rudan, Sarah Stock, Lewis Ritchie, Colin Simpson, Rachael Wood, Jim McMenamin, Josie Murray, Sandra Jayacodi, David Weatherill, Carrol Lamouline, Deb Smith, Emily Lam, Eve Smyth, Farzana Kausir, JC, Joanna C, Kamil Sterniczuk, Lynn Laidlaw, Peter McDade, Philip Bell, Tamara Jayacodi, Hameed Khan, Steven Kerr, Ahmar Shah, Tristan Millington, Fasih Haider, Sam Hillman, Fatima Almaghrabi, Holly Tibble, Calum Macdonald, Karen Jeffrey, Luke Daines, Ting Shi, Utkarsh Agrawal, Ronan McCabe, Sharon Kennedy, Zoe Grange, Chris Sullivan, Lana Woolford, Vicky Hammersley, Natalia Reglinska-Matveyev, Gabriella Linning, Laura Brook, Calder Hudson, Amie Willson, Amanj Kurdi

Embracing good practices that span the research cycle, EAVE II is recognised for its transparency as exemplified by a well-documented GitHub repository including a data dictionary, interactive code list, and synthetic dataset.



5 SAMueL (Stroke Audit in Machine Learning)

→ <https://stroke-predictions.streamlit.app/>

Michael Allen, Kerry Pearn, Anna Laws, Tom Monks, Amy Heather, Martin James

Using simulation and machine learning to identify key levers for maximising the disability benefit of intravenous thrombolysis in acute stroke pathways, the SAMueL project makes its models accessible to, and usable by, clinicians alongside wider code sharing via openly available Jupyter Notebooks.



Hidden Roles



Hidden roles recipients are those whose work has been instrumental in the conduct of research, but may not have been recognised in traditional research outputs. This includes administration, programme management, software engineers, data engineers, computer scientists and PPIE coordinators, and include:

ADMINISTRATIVE, OPERATIONAL AND FINANCE SUPPORT AND CO-ORDINATION

- Ruth Norris
- Veli Sawdon
- Jill Hampton
- Amy Coombe
- Caroline MacDonald

RESEARCH AND PROJECT MANAGEMENT

- Chrissie Walker
- Ilina Serafimova

TRAINING

- James Anderson
- Sue Cheesman
- Will Sopwith
- Mariana Kuras

PPIE AND INFORMATION GOVERNANCE

- Gillian Martin
- Kate Wicks

RESEARCH SOFTWARE ENGINEERING, COMPUTER SCIENCE, DATA ANALYSIS, AND DATA SCIENCE

- Quinta Ashcroft
- Richard Williams
- George Tilston
- Iliada Eleftheriou
- Mai Parkes

MARKETING AND COMMUNICATIONS

- Symone Sheane
- Susan Long

Annual Awards 2025

If you are working on an impactful project that you believe deserves HDR UK recognition, apply for our awards in 2025.

