National Institute for Health and Care Research
NIHR funds, enables and delivers world-leading health and social care research

We fund or part-fund over 10,000 front-line research delivery staff throughout the NHS

More than 2,000 researchers hold our career development awards

We’re funding more than 1,000 active health and social care research projects

More than a million participants take part in research supported by the NIHR each year
NIHR’s mission is to improve the health and wealth of the nation through research.

- Funding high quality, timely research that benefits the National Health Service, public health and social care
- Investing in world class expertise, facilities and a skilled delivery workforce to translate discoveries into improved treatments and services
- Partnering with patients, service users, carers and communities improving the relevance, quality and impact of our research
- Attracting, training and supporting the best researchers to tackle complex health and social care challenges
- Collaborating with other public funders, charities and industry to shape a cohesive and globally competitive research system
- Funding applied global health research and training to meet the needs of the poorest people in low and middle income countries
• Transforming the organisation and delivery of health and social care
• Helping people to recover from the medium and longer-term impacts of COVID-19
• Responding to demographic pressures, including the challenges faced by our ageing population
• Tackling environmental and lifestyle drivers of disease risk e.g. air pollution, obesity, smoking, inactivity
• Tackling health inequalities and their wider determinants
• Ensuring that the research we fund is truly inclusive
• Encouraging the safe, effective and equitable implementation of advances in medical science
• Addressing the causes and effects of mental ill health
• Improving maternal and child health as part of a life-course approach
• Responding to global health challenges and changing patterns of disease, including climate change, emerging infectious diseases and the continued threat of antimicrobial resistance
• Accelerating the pace of studies into novel dementia treatment
• Enabling early diagnosis and treatments, including immune therapies such as cancer vaccines
• Sustaining the UK’s position in vaccine discovery, development and manufacturing
• Treatment and prevention of cardiovascular diseases and its major risk factors, including obesity
• Reducing mortality and morbidity from respiratory disease in the UK and globally
• Addressing the underlying biology of ageing
• Increasing the understanding of mental health conditions, including work to redefine diseases and develop tools to address them
Proposed priority areas for International Collaboration

**Share learning from partners to meet current and future health and social care needs**
- Prevention and reducing health inequalities
- Continuum of care
- Healthy aging and chronic conditions

**Mutual access to a critical mass of patients to deliver key clinical studies**
- Globally rare diseases and orphan local populations
- Precision medicine
- Re/emerging diseases and seasonal diseases
- Small effect large population studies

**Promote exchange of innovations to address priorities within the local health and care systems**
- Promoting evaluation and adoption of ‘affordable’ innovation
- Mutual access to cutting-edge Health Tech and innovation
- Open up new markets for life sciences companies

Partnering to **build research capacity and capability**
- Embed scientists in international networks
- Exchange talent, skills, methodologies, ideas and ways of working
- Share international infrastructure
Additional Background Information
Funding high quality, timely research
Funding high quality, timely research that benefits the NHS, public health and social care
We have nine research programmes that fund multi-disciplinary health and social care research in both clinical and non-clinical settings to meet a range of evidence priorities, including:

- Clinical evaluation and translation
- Health services and organisation
- Technology development
- Public health
- Social care
Funding research nationwide

Active projects funded by NIHR research programmes, numbers by region

Prepared by the NIHR Centre for Business Intelligence.
“Small studies had suggested Levosimendan may have a role in sepsis. However, intensive care unit clinicians in the NHS wanted more evidence. The LeoPARDS trial has provided clear answers to help medical teams make the best decisions to manage such critically ill patients.”

Professor Anthony Gordon, Imperial College London
Chief Investigator of the LeoPARDS trial, funded by the NIHR Efficacy and Mechanism Evaluation programme
“Free bus travel for young people has a mix of benefits overall for the public health. This was reassuring for many public health professionals, who had been concerned about the negative effects.”

Professor Judith Green, London School of Hygiene and Tropical Medicine
Chief Investigator of the ‘On The Buses’ study, funded by the NIHR Public Health Research programme
Helping people stay warm at home in later life

“KWILLT enabled the experiences of older people to be captured in such a way that it challenged assumptions that people had about older peoples’ behaviour regarding home heating.”

Professor Angela Tod, University of Sheffield
Chief Investigator of the Keeping Warm in Later Life (KWILLT) project, funded by the NIHR Research for Patient Benefit Programme
Our research schools and units

14 Health Protection Research Units in partnership with UK Health Security Agency

15 Policy Research Units

5 Blood and Transplant Research Units in partnership with NHS Blood and Transplant

3 Research Schools in primary care, public health, and social care
“Research in social care is vital to improving the lives of people with learning disabilities. The outcomes of this project were particularly encouraging in that they were immediately used by the social care provider to develop a new model of support.”

Professor Peter McGill, University of Kent
Chief Investigator of preventing challenging behaviour of adults with complex needs in supported accommodation
Funded by the NIHR School for Social Care Research
Sharing research funding and findings

NIHR Funding and Awards
NIHR Journals Library
NIHR Evidence
NIHR Open Data
Investing in world-class expertise, facilities and a skilled delivery workforce
Investing in world-class expertise, facilities and a skilled delivery workforce to translate discoveries into improved treatments and services
Our research infrastructure

**Early stage**
- Biomedical Research Centres
- Clinical Research Facilities
- Experimental Cancer Medicine Centres
- Translational Research Collaborations
- Patient Safety Translational Research Centres

**Clinical**
- Medtech and In vitro diagnostics Co-operatives
- Clinical Research Network
- Applied Research Collaborations

**Adoption**
## Our research infrastructure

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Supporting research through centres and facilities

Studies supported by NIHR research centres and facilities, numbers by region

Prepared by the NIHR Centre for Business Intelligence
Our supported researchers

“It is no exaggeration to say that I have seen patients’ lives saved by new treatments developed by British science and delivered in the NHS to a patient for the first time in the world. This couldn’t and wouldn’t have happened without our NIHR funding.”

Professor Bryan Williams
Director
NIHR University College London Hospitals Biomedical Research Centre
Our supported researchers

“Research is now part of my career, and combining it with my role as a clinical psychologist not only benefits my clinical practice, it also gives me a wider perspective.”

Dr Sam Malins
Clinical Psychologist
NIHR Applied Research Collaboration East Midlands
Our skilled delivery workforce

“Programmes like 70@70 allow nurses and midwives to take their knowledge and apply it to research in ways that we wouldn’t otherwise be able to. Using our insight and skills we are able to spot gaps in service and care provision and create interventions that have a big impact.”

Dr Abigail Barkham
NIHR 70@70 Senior Nurse Research Leader
“Since the electronic frailty index has been implemented there have been around 1.2 million people assessed for the presence of frailty, and a clinical confirmation made before any decisions on interventions.”

Professor Andrew Clegg
Lead of the Older People with Frailty theme at the NIHR Applied Research Collaboration Yorkshire and Humber
Transforming out-of-hospital care for people who are homeless

“Although I'd worked within a multi-disciplinary team for many years, I'd not worked with so many different agencies across the health, social and charity sector.”

Lizzie Bizwell, Northamptonshire Healthcare NHS Foundation Trust
Clinical Research Nurse on the Effectiveness and Cost-effectiveness of 'Usual Care' versus 'Specialist Integrated Care' study
Funded by the Health and Social Care Delivery Research Programme
Partnering with patients, service users, carers and communities
Partnering with patients, service users, carers and communities
improving the relevance, quality and impact of our research
Involving patients and the public in shaping research

Data taken from NIHR Researchfish Update 2020
Championing patient and public involvement

Collaboration with others

Producing and sharing guidance

Influencing systems and processes
Providing opportunities to get involved with research

“Patients and the public bring a unique perspective to research. I’ve been involved in research in lots of ways and at different levels but the aim is always the same: to make sure research is relevant, makes a difference and is accessible to a wide range of communities.”

Una Rennard
“Pretty much every aspect of the website was improved through the involvement of families and the public. There were many times when they pointed out ways the things could be misinterpreted that I would never have seen in a million years.”

Professor Christina Pagel, UCL

Chief Investigator of the Partial Risk Adjustment in Surgery study, funded by the NIHR Health and Social Care Delivery Research programme
Providing opportunities to take part in research

We are here to help you find out about health and social care research taking place in England, Northern Ireland, Scotland and Wales.

Finding new effective antiviral treatments for COVID-19

The PANORAMIC study aims to find new antiviral treatments to improve outcomes for people in the community with COVID-19.
 Opportunities to take part in research

“Once you know someone who’s been affected by COVID-19, it makes a difference. Others were wary about vaccinations and I realised that people like me need to be seen to volunteer. If someone from the same community takes part, it’s one level of separation removed.”

Yusuf from London
Opportunities to take part in research

“The drug I took on the trial changed my life and completely altered my approach to food. I am so glad I was able to take part in this research and hope that it paves the way for the drug to be approved in future. I would encourage anyone who has the chance to take part in research to do so.”

Jan from Kent
Opportunities to take part in research

"The fact is, you can either be a part of the problem or part of the solution. The more research, the easier the prognosis and treatment. Everybody wins. There is no better way I can thank all of those who brought me back to life."

Colin from Cambridge
Attracting, training and supporting the best researchers
Attracting, training and supporting the best researchers to tackle complex health and social care challenges
### NIHR RESEARCH CAREER PATHWAYS

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<td>NIHR Pre-doctoral Local Authority Fellowship</td>
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<th>Research Training Schemes for practitioner academics</th>
<th>In-Practice Fellowship</th>
<th>Academic Clinical Fellowship</th>
<th>Clinical Lectureship</th>
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| Research Training Schemes for clinical academics | Academic Clinical Fellowship | Biomedical Research Centres • Applied Research Collaborations • Patient Safety Translational Research Centres • NIHR Schools • Health Protection Research Units | |

| Additional Opportunities | |

**NIHR** | National Institute for Health and Care Research
Funding career development

Active NIHR Academy career development awards, numbers by region

Prepared by the NIHR Centre for Business Intelligence
Our award holders

"A clinical academic career offers the opportunity to seek out and explain what and how you can become an expert generalist. I have learned to critically appraise evidence, develop my own research ideas and apply the learning to my everyday clinical practice."

Mohana Ratnapalan
NIHR Academic Clinical Fellow
Our award holders

"What really keeps me interested in research, and clinical practice, is that my work is relevant to both. Some of the research I’ve conducted I use day-in, day-out in the emergency department. This combination, and protected time in each, prevents burn-out and keeps me constantly engaged."

Dr Damian Roland
NIHR Doctoral Research Fellow
Our award holders

“My NIHR Research Professor award has provided me with opportunities to develop my research ideas much faster, and it has helped me to have stronger collaborations with colleagues across the NHS and public health contexts.”

Professor Amanda Daley
NIHR Research Professor
“What drives me is the fact that some people lose sight because they can’t get seen and treated by an eye doctor quickly enough.”

Dr Pearse Keane, Moorfields Eye Hospital
NIHR Clinician Scientist
Collaborating with other public funders, charities and industry
Collaborating with other public funders, charities and industry to shape a cohesive and globally competitive research system
Partnering with the life sciences industry

We support life science companies to translate their new therapeutics, medical devices, diagnostics and digital technologies into the clinic and then onto market.
Partnering with the life sciences industry

Each year our Clinical Research Network

supports more than 1,500 industry-funded research studies

and recruits around 30,000 participants to industry studies

including some first patients in the world
Partnering with the life sciences industry

Our research infrastructure supports around 1,500 collaborations with small and medium-sized companies each year.
“Our i4i funding award was rocket fuel that allowed us to have a much bigger vision that we wouldn’t have otherwise had the audacity to pursue.”

Craig Gulliford, CEO of Creo Medical
Small-to-medium enterprise that received funding from the NIHR Invention for Innovation programme
Partnering with charities and other funders

We support nearly 4,500 charity-funded studies every year
Partnering with charities and other funders

We’ve established networks that carry out early phase translational research and tackle experimental medicine challenges.
Funding applied global health research and training
Funding applied global health research and training to meet the needs of the poorest people in low and middle income countries
How we fund: Official Development Assistance

- Our Global Health Research portfolio is delivered through:
  a) open calls commissioned directly through the NIHR and
  b) strategic partnerships with global funders and international organisations
- Research is funded through the Department for Health and Social Care Official Development Assistance (ODA) allocation as part of the UK Aid budget
- Activities for the direct and primary benefit of people in ODA-eligible countries, defined by the Organisation for Economic Co-operation and Development’s Development Assistance Committee list
- Over £440 million invested in research in Phase 1 (2016-2021)
Our research programmes

We fund global health research on under-funded or under-researched topics through a variety of mechanisms:

- Funding through open calls with no set priority areas
- Strategic and thematic funding for research in key areas
- Partnering with other global funders and building research capacity
Working together for better lung health

“Using our NIHR funding, we are developing, implementing and evaluating interventions to address urgent gaps in respiratory treatment and care. Together we are taking crucial steps to improving respiratory health not only in Asia, but with implications for low and middle income countries around the world.”

Professor Ee Ming Khoo
Programme lead, NIHR Global Health Research Unit on Respiratory Health
University of Malaya, Malaysia
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www.nihr.ac.uk/sign-up