



The Leeds Teaching Hospitals

**Translating research
excellence into
world class care**

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Introduction

Leeds Teaching Hospitals NHS Trust is involved in research at all levels, developing and trialling new treatments for patients, but we want to do more.

The Government has recognised the importance of clinical research to patients and our economy and supports both NHS Trusts and UK companies to help the UK retain our place at the forefront of clinical research.

The UK is one of the most successful countries in the world in clinical research and we're proud to be a part of that. Some of the treatments we now take for granted such as penicillin or MRI scans were invented and developed in the UK.

We believe that being involved in cutting-edge research helps us provide better care to our patients. We want to be sure that we draw on the latest research evidence in all the care we provide.

This document aims to:

1. Provide you with some background information as to how clinical research is currently funded and organised in the UK.
2. Tell you about our clinical research successes to date at Leeds Teaching Hospitals.
3. Explain our ambitions for the organisation in the future and how this will benefit both our patients and staff.
4. Show how you can get involved.



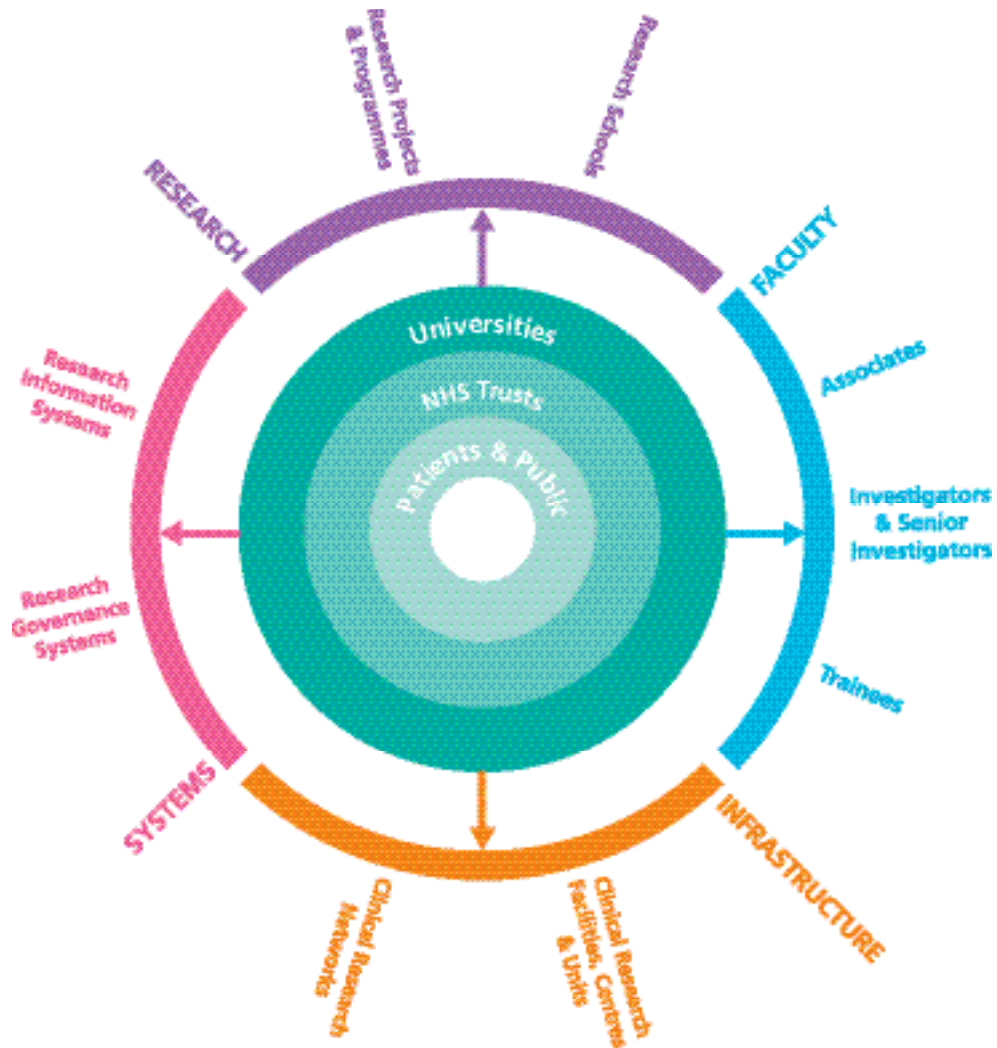
Clinical research in the UK

Most clinical research in the UK is funded by the Government, industry or medical charities. Early stage research, for example looking at how diseases work at a basic level, tends to be funded by the Government, through the Medical Research Council, or by charities.

But for this research to have an impact on patients, the knowledge gained through early stage research needs to be developed into new treatments or services.

In England and Wales, this 'applied' research is often funded by the Government, through the National Institute for Health Research (NIHR), which is part of the Department of Health.

The NIHR Health Research System



The NIHR provides funding for research in various ways: it directly funds research projects; it pays for the extra NHS staff and resources needed to enable NHS trusts like Leeds Teaching Hospitals to carry out research; and it pays for NHS staff to take time from their clinical work to develop a career in research. It also funds research into the way health services are delivered.

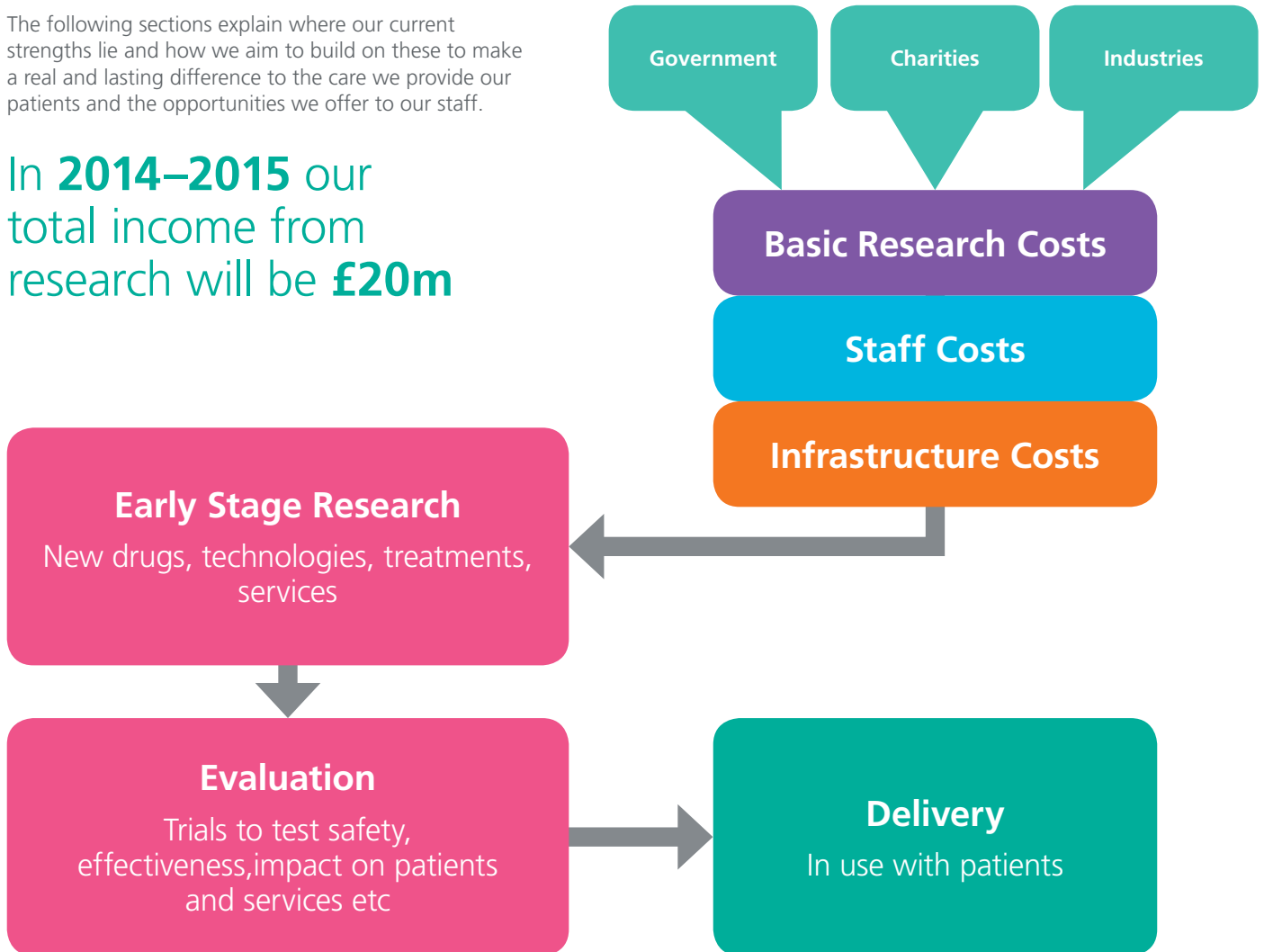
Leeds Teaching Hospitals already receives extensive funding from NIHR including the NIHR Clinical Research Network from leading research charities including Cancer Research UK, British Heart Foundation, Arthritis Research UK, Leeds Teaching Hospitals Charitable Foundation and Yorkshire Cancer Research and from other sources, based on our excellent reputation and track record in carrying out research.



How funding works

The following sections explain where our current strengths lie and how we aim to build on these to make a real and lasting difference to the care we provide our patients and the opportunities we offer to our staff.

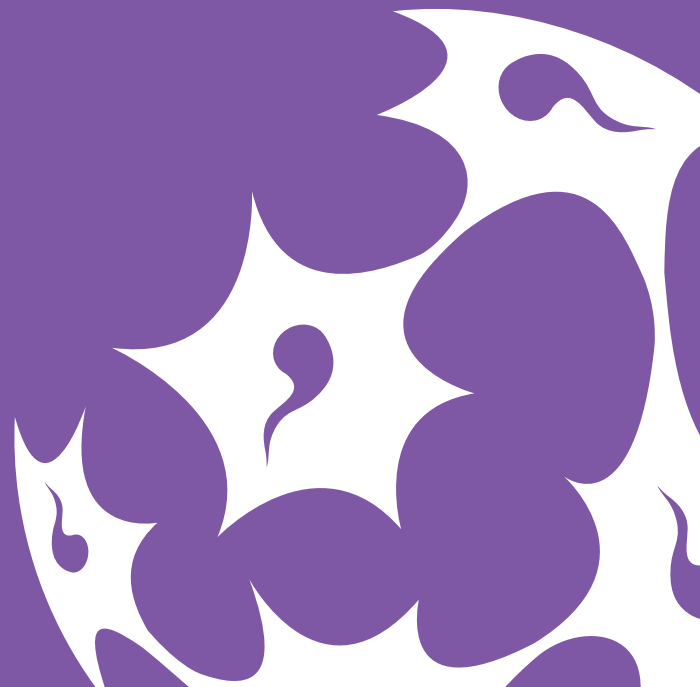
In **2014–2015** our total income from research will be **£20m**



Our current research

We want every patient to have the opportunity to participate in a research study. In musculoskeletal disease, cancer, cardiovascular disease and diabetes, our clinicians lead national programmes of research. In other specialties, including infectious disease, gastroenterology, paediatrics and dentistry, we are recognised as excellent collaborators with national and international research leaders.

We also undertake research which covers many different diseases and is aimed at helping to accelerate the transition of research discoveries into clinical practice. We have one of the UK's leading clinical trials research units and have recently secured a major national programme of research in health informatics which is likely to become a particularly important area of research.



Patients

The clinical research, including trials, which takes place at Leeds Teaching Hospitals covers all areas of medicine and healthcare, testing treatments for a wide range of diseases, which ensures that the majority of our patients can have the opportunity to be involved. Much of the funding for this activity comes from the NIHR Clinical Research Network.

Some of our trials are in experimental medicine, which is early stage research to take discoveries made in the lab and turn them into effective new treatments or new methods for diagnosis. In experimental medicine, we focus on a smaller range of diseases, including musculoskeletal disease such as arthritis, cancer and cardiovascular disease.

Partnerships

Central to our research is our partnership with one of the largest universities in the UK, the University of Leeds. Biomedicine and health forms a major part of the University's research, accounting for around half of their total research spend.

Many of our trials and studies also involve or are funded through pharmaceutical or clinical device companies, which need to test that the treatments they are developing will be effective and benefit patients.

Staff

The NIHR provides funding to help NHS staff from all disciplines get involved in research and build research as part of their career, through a variety of schemes, including their Academic Clinical Fellows scheme.

The NIHR also designates and funds Senior Investigators to be outstanding leaders of clinical and applied health and social care research.

Organisation

We also receive funding from other sources, including the Wellcome Trust, Research Councils, Cancer Research UK, British Heart Foundation and Arthritis Research UK, as well as key local charities including Yorkshire Cancer Research, Leeds Teaching Hospitals Charitable Foundation and Candlelighters.

This funding helps to support work in the above areas, and in other areas of research where we have particular expertise, including clinical technologies, cardiovascular disease, diabetes and dentistry. We also offer excellent access to clinical research studies in our Children's Hospital and have exciting programmes of research in infectious diseases and neurology.



Leeds Cancer Research UK Centre

The Leeds Cancer Research UK Centre aims to harness the scientific power of Leeds-based cancer researchers to deliver improvements in cancer care at local, national and international level.

The Centre's strategy is to focus on cancer immunology and virology, radiation biology, and brain cancer, involving as many University academics and Leeds Teaching Hospitals clinicians as possible. The Centre also works hard to involve the local community, patients, carers, survivors and the wider public.



Director: Professor Alan Melcher



Cancer Research UK Nurse
Consultant: Debbie Beirne

Trials are
carefully
designed to be
practicable
and
deliverable

Cancer

Over 200 trials of cancer treatments are taking place at Leeds Teaching Hospitals at any one time, run by a specialist team of 45 staff.

Much of the funding for our work on cancer comes from the national charity, Cancer Research UK (CRUK). The Leeds CRUK Centre, run jointly by Leeds Teaching Hospitals and the University, has just had its funding extended for another three years.

CRUK Senior Nurse Debbie Beirne leads the cancer trials team in Leeds, overseeing national and international studies in which Leeds is a collaborator and also running our own early stage and feasibility studies, testing research findings made by Leeds academics.

“Trials are carefully designed to be practicable and deliverable,” explains Debbie. “Taking part in experimental early trials demands a lot of the patients in terms of their time and commitment and they will rarely benefit themselves from the results, so we always look for ways to reduce the burden on them while still getting the important data we need.”

Debbie also has responsibility for ensuring that patients have a voice in how research is developed, such as giving advice on trial protocols or recruitment and sitting on relevant committees or trial steering groups. “It’s easy to make assumptions about what patients will or won’t want and there is a danger we can become blinkered,” says Debbie. “That’s why at Leeds, we ensure patients have opportunities to have a say in the whole research process and positively influence how we work.”

Multidisciplinary Cardiovascular Research Centre

Founded in 2008, Leeds' Multidisciplinary Cardiovascular Research Centre (MCRC) has an ambitious strategy for discovering causes and treatments of heart disease, the primary reason for premature death and disability in westernised societies. MCRC's mission is to advance understanding of cardiovascular disease and thereby improve human life.

It focuses on understanding how heart disease works in the body, to help develop new treatments, on using engineering and other disciplines to find new ways to diagnose or protect against heart disease, and on developing new researchers to ensure the work continues.



Director: Professor David Beech



Professor Mark Kearney



Professor John Greenwood

Heart disease and diabetes

Leeds Teaching Hospitals is second nationally in the numbers of patients recruited to clinical trials for heart disease, through the UK Centre for Cardiovascular and Diabetes Research, a partnership between Leeds Teaching Hospitals and the University of Leeds. The centre is funded by the Government, the European Union and a range of clinical charities, including the British Heart Foundation and the Wellcome Trust.

The research focuses on both heart disease and diabetes, because of the strong connections between the two: people with type 2 diabetes are three times more likely to die of a heart attack and don't respond as well to treatment for heart failure.

When Dick Downing, 64, was admitted to the Leeds General Infirmary cardiology department with a suspected heart problem, he had the chance to be part of a British Heart Foundation-funded clinical trial.

Led by Consultant Cardiologist and Professor of Cardiology, John Greenwood, the study was testing the accuracy of magnetic resonance imaging (MRI) scanning to diagnose coronary heart disease. Dick underwent the usual procedure diagnostic tests followed by an angiogram, an invasive procedure using x-rays to look inside coronary arteries but he also had an MRI.

Thanks to the involvement of Dick and other patients, the trial showed that MRI can enable more accurate diagnosis of heart disease. In Dick's case, it helped doctors identify a blocked blood vessel. Professor Greenwood is now running further trials to see whether MRI alone could be used to replace other diagnostic tests for heart disease.

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heart disease



Director: Professor Paul Emery

NIHR Musculoskeletal Disease Biomedical Research Unit (BRU)

A partnership between Leeds Teaching Hospitals and the University of Leeds, the BRU translates fundamental biomedical research into clinical research that benefits patients with £6.25m funding from NIHR. BRUs focus on a single disease area; at Leeds this is musculoskeletal disease, particularly inflammatory arthritis, osteoarthritis and joint replacement.

Research at the Leeds BRU has led to new approaches for assessing and treating patients with rheumatoid arthritis. BRU researchers were also the first to purify stem cells from bone marrow, using a technique that is now in wide use by industry. Engineering the next generation of artificial joints is a strong theme in the BRU.



Director: Professor John Fisher

Institute of Medical & Biological Engineering (iMBE)

One of the top ten bioengineering institutes in the world, iMBE works in the field of clinical devices and regenerative medicine, with the aim of ensuring that the lives of an aging population remain as active after the age of 50 as they were before.

iMBE works to develop new therapies and translate these into practical clinical applications. The research focuses on three main areas: joint replacement such as knees or hips, tissue engineering, and new techniques to repair damage to the spine. Leeds was the first unit in the UK to carry out a successful hand transplant. Professor Simon Kay led a team to transplant a donor hand in December 2012.



Dr Maya Buch

NIHR Musculoskeletal Bioclinical Research Unit (BRU)

The BRU Leeds has been involved in a project which provides a good example of how collaboration with industry can provide benefits to patients.

International standards for replacement hip joints are based on pre-clinical tests that assume joint components have been positioned perfectly during surgery, when in reality there is considerable variation. The BRU has been involved in research to define and quantify the impacts of these variations on the performance and wear of hip joints, to enable more accurate tests to be developed.

The BRU was able to play a critical role in gathering clinical evidence such as retrieved implants to provide the data needed to inform the research and validate the new test methods.

This work has enabled a UK company, Simulation Solutions, to develop and market a new commercial hip joint simulator, to design new testing methodologies and standard operating procedures which enable this enhanced pre-clinical testing to be carried out. Other industry partners in the project (DePuy Synthes, Corin, JRI and Mathy) are already applying these new methodologies to both existing products and new products in development.

This will mean that future designs can take surgical variations into account so that replacement hips work better and last longer.

The **BRU** was able to play a **critical role** in gathering **clinical evidence**



Director: Professor Peter Selby

NIHR Diagnostic Evidence Cooperative

Leeds also hosts one of four NIHR Diagnostic Evidence Cooperatives (DEC) set up nationally in 2013, which look at new technologies to diagnose diseases. The research will lead to improvements in healthcare services and the quality of life of NHS patients, by helping patients access the most appropriate treatments more quickly and help the NHS make the best use of its resources. The Leeds DEC is targeting cancer, musculoskeletal diseases and diseases of the bladder, kidney, liver and bowel.





Director: Professor Chris Twelves

NIHR Clinical Research Facility (CRF) for Experimental Medicinew

Set up in 2012, the NIHR Leeds CRF carries out clinical trials in experimental medicine, focusing on cancer, musculoskeletal disease and cardiovascular disease. At St. James's University Hospital, the CRF has research laboratories and both in-patient and out-patient facilities for trials in cancer and diseases of the blood. Research into musculoskeletal disease is based at Chapel Allerton Hospital.

The NIHR Leeds CRF incorporates an Experimental Cancer Medicine Centre. It is also one of only seven centres in the UK funded by Cancer Research UK to look at how to use molecular genetic analysis of tissue from cancer patients to help develop more personalised treatments. The Leeds Teaching Hospitals Charitable Foundation have funded the creation of a CRF in Cardiovascular and Metabolic Disease at the Leeds General Infirmary.



Director: Professor David Jayne

NIHR Health Technology Cooperative (HTC)

The NIHR HTCs work with industry to develop new clinical devices or healthcare technologies which improve treatment and quality of life for patients. The Leeds NIHR HTC focuses on colorectal (bowel) disease looking for ways to use new technology to reduce the need for invasive surgery, improve diagnosis and provide better treatments.

Using input from patients and clinicians, the Leeds NIHR HTC will identify where technology could make a difference and then bring together a range of experts, from engineering or nanotechnology for example, to develop a solution.





Director: Sir Alex Markham

Medical Research Council (MRC) Centre for Medical Bio-informatics

The MRC Centre for Medical Bio-informatics brings together clinical and social science researchers with data scientists in mathematics and computer science to open up new ways to understand health and human behaviour.

Leeds Teaching Hospitals is joining with the University to create a new, purpose-built space for the centre—housing 40 staff, with high tech computational infrastructure and a safe data room.

Research careers

Dr Nick West is a good example of a clinician who is developing a research career through NIHR funding.

Dr West was in the first cohort of NIHR Academic Clinical Fellows when the scheme was introduced in 2006. The funding allowed him to spend 25 per cent of his time building research data to apply for external funding for a PhD, while still continuing his clinical training.

Doing a full-time PhD took Dr West out of his clinical pathology training for three years and he then chose to continue on the academic route and was appointed as a NIHR Clinical Lecturer.

“Although it will take me over twice as long to qualify and the workload over the last nine years has been heavy, the positives massively outweigh the difficulties,” says Dr West.



Dr Nick West



Professor Helen Whelton

Dental research

£1.7 million dental translational and clinical research unit.

Funded jointly by the Wellcome Trust and the University of Leeds, this is a state of the art clinical and laboratory facility able to deliver world-class clinical and translational research in oral health. This is used for research and training in partnership with Leeds Clinical Trials Research Unit, by industry and the NHS, to carry out dental clinical trials.



Dr Jane Minton

Developing research

Research into infection has seen very rapid growth at Leeds Teaching Hospitals, providing a good example of how new research areas can be developed.

“Our research started on a small scale, working with other centres on NIHR approved trials, proving that we could recruit well and carry out the work,” recalls Consultant in Infectious Diseases Jane Minton. “By building up our non-commercial experience, we could then confidently move on to commercial work, which is often more complex and intensively regulated.”

Dr Minton’s team have already worked on trials looking at HIV, brain infections, healthcare-associated infection and anti-microbial resistance. They are currently recruiting to their first commercial trials on clostridium difficile and hard to treat infections; Dr Minton has been asked to be Chief Investigator for three of these studies.

With support from the Trust’s Research and Innovation department and working with the Leeds Institute of Health Sciences, Dr Minton won a £380,000 NIHR grant to look at the best way of delivering intravenous antibiotics outside hospital.

“The study has been running for a year and we’re recruiting well, so we have another 18 months of data gathering before we start the analysis,” she says.

Dr Minton won
a **£380,000**
NIHR grant

Our ambition for the future

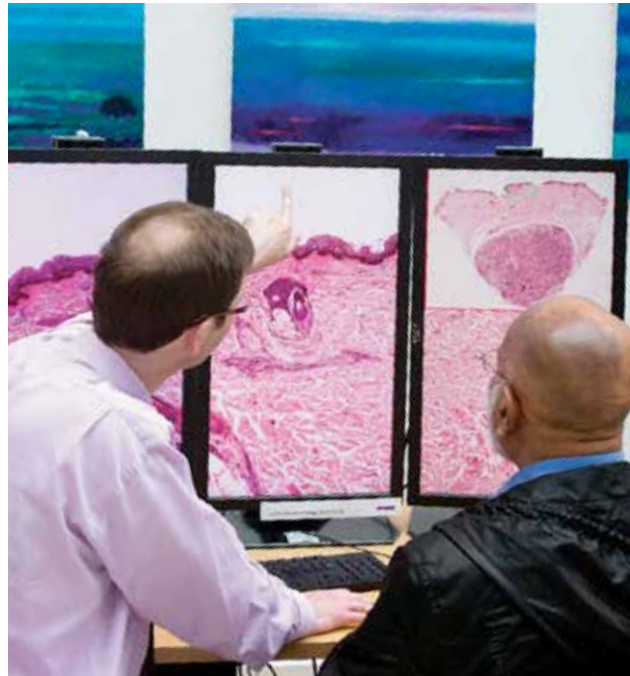
Our vision is for Leeds Teaching Hospitals to be a world leader in clinical research, developing new treatments which will—as quickly as possible—bring improvements for our patients.

We want to be known **globally** as an **excellent organisation** to work with

To help us realise this vision over the next five years, our strategy has four aims:

1. To ensure that our research and innovation make a real and lasting difference to the quality of care we provide to our patients.
2. To ensure we support our staff to take part in research and make use of research findings to improve outcomes for our patients.
3. To improve how we organise research across Leeds Teaching Hospitals, to support both patients and staff.
4. To improve how we work with our partners, particularly the University of Leeds, to ensure we achieve the best results.

In each area we've set clear targets to help us achieve these aims.



Patients

We want to significantly increase the opportunities for our patients to take part in high quality research studies.

We aim to:

- Become one of the top five NHS trusts in England for the number of patients recruited to NIHR-approved trials.
- Double the number of early-stage experimental medicine trials.
- Double the number of NIHR-approved studies led by Leeds clinicians.

Clinicians

We want to significantly increase the opportunities for our staff to be involved in high quality research studies.

We aim to:

- Increase the number of Leeds clinicians appointed as NIHR Senior Investigators by 2017.
- Secure twenty new NIHR fellowships by 2017.
- Double the number of our staff to be included in the next Government assessment of research.

Organisation

Our targets for how we organise research at Leeds Teaching Hospitals focuses on our research centres and funding.

We aim to:

- Ensure continuing NIHR funding for our NIHR Biomedical Research Unit in musculoskeletal disease.
- Secure NIHR funding for a new NIHR Biomedical Research Centre in cardiovascular disease.
- Ensure continuing funding for the Leeds Cancer Research UK Centre.
- Achieve top ten status for NHS trusts nationally for NIHR funding.

Partnerships

We want to be known globally as an excellent organisation to work with on clinical research, so we can grow our research and increase the funding we receive.

We want to strengthen the relationship we have with our primary partner, the University of Leeds, but also build new partnerships and cement our reputation for delivering high quality research studies, on time and on target.

We aim to:

- Ensure all our trials meet the national metrics set by the NIHR for delivering trials on time and on target.
- Establish two new strategic research partnerships by 2016.
- Double our income from commercial partners.
- Develop our staff to be 'innovation scouts', whose role will be to encourage ideas from staff for new products and services to benefit patients.

How we will achieve our goals

To achieve our targets
we need to **take**
concrete **action**



We have split the action we need to take into four areas:

Capacity

Ensuring we have the staff in place, with the right skills to take our research and innovation strategy forward

Infrastructure

Increasing the research centres and programmes and strengthening their management

Wealth creation

Marketing our expertise more effectively and maintaining the high quality of the work we do, to increase our research income

Engagement & support

Ensuring that our staff, our patients and the public understand the research we do and are involved in how that research is developed



Capacity

We will:

- Ensure there are research-active staff from all professions at Leeds Teaching Hospitals.
- Increase the number of junior staff involved in developing research careers.
- Appoint a Head of Nursing for Research and Innovation, and an Associate Medical Director for Research to strengthen involvement by staff and ensure research is carried out to high standards.
- Look at all new clinical appointments to see if research-active staff could fill the position.
- Increase the activity in the Applied Health Cooperative by running workshops involving staff from all disciplines, to develop new funding applications for research.

Infrastructure

We will:

- Put more investment and resources into research in musculoskeletal and cardiovascular disease to help secure NIHR Biomedical Research Units in these areas.
- Strengthen the management, staffing and leadership of our NIHR Clinical Research Facility in Experimental Medicine to increase the number of patients recruited to early stage studies.
- Secure designation as a Cancer Research UK Centre in 2016.
- Significantly increase our capacity to undertake the analysis of large clinical and health data sets.

Wealth creation

We will:

- Create a 'principal investigator development programme' which will ensure our staff have the skills needed to lead NIHR clinical trials.
- Develop a marketing, engagement and development plan to increase our links with the life science industries, working with regional partners.
- Work with the regional NIHR Clinical Research Network to develop ways to carefully assess the feasibility and plan the delivery of studies to ensure we hit national targets.
- Work with the University and other partners to ensure our Intellectual Property (IP) is managed and protected.
- Appoint a commercial research manager jointly with the University of Leeds to oversee this area of our work.

Engagement & support

We will:

- Develop an Involvement and Engagement Strategy for patients, carers and the public, including a campaign to promote our research and a series of public and patient engagement forums.
- Promote opportunities for patients to take part in research through various tools and campaigns, including drawing on national campaigns run by the NIHR.
- Redesign the research pages of the Trust website and work with partners on a communications campaign to promote Leeds Teaching Hospitals as an ambitious, research-intensive organisation.
- Create a joint Research Support Service with the University and other NHS partners, which will help to coordinate research funding, identify funding opportunities and oversee research activity.
- Develop a placement programme so that general managers can have experience of involvement in research programmes.

How to get involved

Central to our strategy is ensuring that more of our patients have the opportunity to take part in research studies, both for the benefit of our current patients and all patients in the future.

If we are to increase the numbers of patients taking part in research studies and the numbers of studies we run, we also need more of our staff to be involved in research.

Key to our success is our strong and enduring partnership with the University of Leeds which is underpinned by world class facilities and prestigious research grants. Trust staff have access to these expertise through two groups;



Professor Julia Brown

Leeds Institute for Clinical Trials Research (LICTR)

The LICTR delivers its research through the Leeds Clinical Trials Research Unit (CTRU), which has a national and international reputation for design and delivery of complex clinical trials across multiple locations and is one of the largest CTRUs in the UK.

The Leeds CTRU has 80 staff with expertise in all areas of clinical trial and works with clinicians in Leeds Teaching Hospitals to develop high quality clinical trials in a range of clinical conditions.



Professor Jenny Hewison

Applied Health Cooperative (AHC)

The aim of the AHC is to increase funding for applied health research projects which are not clinical trials, supporting Leeds Teaching Hospitals staff to develop projects and grant applications, to build our capacity in health services research. This type of research studies new ways of delivering NHS services and often includes health service managers.

We have worked hard to embed the management of research and innovation within normal Trust business with expert support for both managers and researchers from our central Research and Innovation Team.

Professor Stephen Smye

Professor Stephen Smye is Director of Research and Innovation at Leeds Teaching Hospitals, and a medical physicist with degrees from Cambridge University, Imperial College, and the University of Leeds. He plays a leading role in the National Institute for Health Research (NIHR) as a theme director in the NIHR Clinical Research Network and is a member of the NIHR Advisory and Strategy Boards. He is also a Professorial Fellow of the Institute of Mental Health, University of Nottingham.

His research applies mathematics to medicine, including haemodialysis, neonatal ventilation, clot lysis, cancer chemotherapy and MRI. He has been a co-applicant on a number of recent major grant awards including the Wellcome Trust Medical Engineering Centre of Excellence, the Innovation and Knowledge Centre in Medical Technologies, the NIHR Diagnostic Evidence Co-operative in liver, renal and musculo-skeletal diseases and the Health Technology Co-operative in Colorectal Therapies.

Donna Johnstone

Research and Innovation Manager

Donna joined Leeds Teaching Hospitals in 2000 as Project Manager for a national research information service. She joined the Research & Innovation Department in 2010. She is responsible for Business Management which includes managing intellectual property; Clinical Research Network target setting and finance; NIHR pre and post award management and commercial income distribution.

Samantha Scarlett

Research and Innovation Manager

Samantha has a BSc in Microbiology and Immunology and an MSc in Pharmacology and Biotechnology. She spent 7 years at Covance in the Biochemistry Department. She has also worked at [missing] and local clinical research networks. Samantha is currently studying for a postgraduate certificate in Healthcare Leadership and Management. She is responsible for information, performance reporting, working with industry partners and communication.



Dr Heather Iles-Smith

Head of Nursing Research and Innovation

Heather's role encompasses leadership of the Clinical Research Nurses, research capacity building for Nursing and Allied Health Care Professionals (AHPs), and strategic direction for nursing and AHP research and innovation. Heather will also continue to develop her own portfolio of research around the psychological health of patients with physical illnesses (such as cardiovascular and renal disease) and the care of dementia patients.

Heather aims to establish support and leadership for Clinical Research Nurses and to facilitate joint working between the local universities and the Trust in relation to research and innovation.

Kate Atkinson

Research & Innovation Manager

Kate has worked in the NHS for most of her career, spending time in both corporate and clinical areas before moving into research support. She has postgraduate management and health research qualifications and worked as R&D Policy Manager in the Department of Health. Kate now leads on assurance, planning and training for the R&I team.

Find out more

If you are a patient or member of the public and would like to find out more about our research and how to take part in our studies, please go to the R&I website at: <http://www.leedsth.nhs.uk/research/patients-and-the-public-participating-in-studies/>

If you work for Leeds Teaching Hospitals and would like to find out how to get involved in research as part of your work, please contact the R&I Team on **0113 392 0162** or email leedsth-tr.lthresearch@nhs.net

Resources

Research Support

R&I Department

<http://www.leedsth.nhs.uk/research>

Applied Health Cooperative

http://medhealth.leeds.ac.uk/info/631/centre_for_health_services_research/860/applied_health_co-operative_ahc

NIHR Research Design Service

Tel: 0114 222 0828

Email: rds-yh@sheffield.ac.uk

Website: <http://www.rds-yh.nihr.ac.uk>

Academic Health Science Network for Yorkshire and the Humber

<http://www.yhahsn.org.uk>

Medipex – Healthcare Innovation Hub

<http://www.medipex.co.uk>

<http://www.ennovations.co.uk>

Leading and supporting clinical trials

NIHR Clinical Research Network

<http://www.crn.nihr.ac.uk>

Leeds Institute for Clinical Trials Research

<http://ctru.leeds.ac.uk>

Leeds Institute for Health Sciences

http://medhealth.leeds.ac.uk/info/600/leeds_institute_of_health_sciences

Key research programmes

NIHR Biomedical Research Unit

<http://Imbru.leeds.ac.uk/>

NIHR Clinical Research Facility

http://www.ukrcexpmed.org.uk/Leeds_NIHR_CRF

NIHR Diagnostic Evidence Cooperative

www.leedsth.nhs.uk/a-z-of-services/nih-diagnostic-evidence-co-operative-leeds

NIHR Health Technology Cooperative

<http://colorectal.htc.nihr.ac.uk/about-the-htc/>

Cancer Research UK Cancer Centre

<http://www.cancerresearchukcentre.leeds.ac.uk/>

Multidisciplinary Cardiovascular Research Centre

<http://www.cardiovascular.leeds.ac.uk/>

Institute of Medical and Biological Engineering

<http://www.imbe.leeds.ac.uk/>

Medical Technologies Innovation and Knowledge Centre

<http://www.medical-technologies.co.uk/>

Wellcome Trust/EPSC Centre of Excellence in Medical Engineering (Welmec)

<http://www.welmec.leeds.ac.uk/>

EPSC Centre for Doctoral Training in Tissue Engineering and Regenerative Medicine

<http://www.imbe.leeds.ac.uk/doctoral-training-regenerative-medicine/>

EPSC Centre for Innovative Manufacturing in Medical Devices (MeDe)

<http://mede-innovation.ac.uk/>

Collaboration for Leadership in Applied Health Research and Care (Y&H)

<http://clahrc-sy.nihr.ac.uk/resources-clahrc-yorkshire-humber.html>

Leeds Dental Translational and Clinical Research Unit (DenTCRU)

http://medhealth.leeds.ac.uk/info/471/dental_translational_and_clinical_research_unit

MRC Centre for Medical Bioinformatics

<http://www.lida.leeds.ac.uk/>

Getting involved in research

<http://www.invo.org.uk/>

<http://www.nihr.ac.uk/awareness/Pages/OKtoask2014.aspx>

<https://www.facebook.com/NIHROKtoAsk>

Finding out about clinical research studies

<http://www.ukctg.nihr.ac.uk/default.aspx>

<http://www.theguardian.com/healthcare-network-nihr-clinical-research-zone>

Summaries of this document can be made available in alternative formats.

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