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Research & Innovation Bulletin

NHS
Northern Care Alliance
NHS Group

Research news from the Northern Care Alliance

17 July 2019

The Northern Care Alliance NHS Group serves a population of over 1 million people with five local hospitals, 2,000 beds, specialist, acute and community services, and over 19,000 staff from Salford Royal NHS Foundation Trust and The Pennine Acute Hospitals NHS Trust. It has a rich history of pioneering health care and is now building one of the most innovative environments in the UK for conducting patient-focused health research and translating it into patient benefit.



Experts share benefits of getting involved in research

Thank you to everyone who came to our research event at Bury Care Organisation and to all the speakers who provided an informative and inspirational evening.

The NCA's Executive Medical Director Dr Chris Brookes was among those who attended and he told the audience that research drives high quality care and changes lives. He also recommended it to clinical staff as a way of making sure they have clarity of vision and purpose in their work.

News





NCA tops England research table

More patients than ever before have taken part in research at the Northern Care Alliance to improve NHS care and treatment.

Nearly 44,000 patients have taken part in studies at our four Care Organisations. Patients of all ages from newborn to people in their 80s have been involved.

At Oldham, Bury & Rochdale, and North Manchester, 37,122 patients took part in research in 2018-19. That makes the Pennine Acute Hospitals NHS Trust the highest recruiter of the 234 research-active Trusts in England to National Institute for Health Research (NIHR) portfolio studies. Salford Royal had 6,845 patients taking part in studies, a nine per cent increase on the figure for 2017-18.

The NCA as a group is a leading recruiter to studies into anaesthesia, children's care, dermatology, dementia, diabetes, gastroenterology and stroke. The single biggest study during the year was the [PAT-POPS study](#) (32,724) which aims to improve future NHS care for children. [Read more.](#)



UK first in breast surgery study

Well done to Lisa Cooper from the cancer research team at North Manchester who recruited the first UK patient to the Pre-BRA study at North Manchester in June. The Pre-pectoral Breast Reconstruction Evaluation study is funded by the Royal College of Surgeons of England, the Association of Breast Surgeons and the Bristol BRC and aims to determine the safety and effectiveness of pre-pectoral implant-based breast reconstruction using different meshes and products. It aims to recruit 341 women by June 2020. The Principal Investigator at North Manchester is Mr Mohammed Absar and the study is sponsored by the University of Bristol.



NIHR highlights dialysis fatigue study

Feelings of profound and relentless exhaustion while undergoing haemodialysis affect patients' ability to lead a normal life, according to a new international systematic review whose co-authors include Professor Donal O'Donoghue, renal consultant at Salford Royal.

The NIHR Dissemination Centre has included this review of 65 international studies, including 1,713 participants, in its latest Signals to highlight important health research. Professor O'Donoghue says fatigue should be the target of systematic clinical care and improvement in fatigue should be a research goal. Measuring fatigue should become a standard of care. Read more [here](#).



Summer Newsletter out now

The Research & Innovation summer Newsletter - our print magazine highlighting key items of interest and achievements - is available now. It includes articles on some of the recipients of our small grants, patient stories and staff profiles. You can read the Newsletter online via our [website](#) and we have copies available for you to share with colleagues or at public events. Contact Communications Manager [Claire Mooney](#) if you would like some copies.



CQC visit is chance to highlight success

With the Care Quality Commission (CQC) due to make their inspections at Oldham, Bury and Rochdale, and North Manchester between now and the late summer, it's the ideal time to reflect on our fantastic track record as the CQC will be looking for evidence that we are a research-active Trust.

We are incredibly proud that 2018-19 saw the NCA top the England league table for most patients recruited to NIHR portfolio studies (see above). Our research covers the majority of specialties and is crucial to improving care and treatment, locally, nationally and even internationally.



What do our patients think of us?

It's vital that our patients have a good experience of taking part in research. If they don't, we want to hear more so we can learn from their feedback and improve what we do.

That's why we are conducting our own patient survey this summer. We are asking patients to answer a short set of questions anonymously, although we want staff to identify their site and specialty on the form. Please do your best to encourage as many patients as possible to respond.

Electronic copies of the survey are available from [Claire Mooney](#) - completed surveys should also be returned to Claire at Summerfield House, Salford.



Muddy marvels boost cancer fund

Huge congratulations to the fantastic team from the Clinical Research Facility at the Royal Oldham Hospital (and their lovely friends and families), who donned their tutus and braved the mud to support Cancer Research UK. They took part in the Pretty Muddy event at Heaton Park on Saturday and all finished smiling, even after 5k of mud and obstacles! They've raised more than £1,200 for this important cause, which has touched many of their lives personally as well as professionally.

You can still donate [here](#) and see more photos from the day on our [Facebook page](#).



From CLAHRC to ARC

The National Institute for Health Research (NIHR) is funding the establishment of 15 Applied Research Collaborations (ARCs) across England to develop innovative research projects that will directly improve patient care and treatment.

The NIHR ARC for Greater Manchester will become part of Health Innovation Manchester from 1 October, bringing together researchers, health and care providers, patients and communities to deliver large programmes of research.

It will build on the work undertaken by the current NIHR Collaboration for Leadership in Applied Research in Health and Care (CLAHRC) Greater Manchester, which has carried out applied research and supported its impact in practice over the last six years. This includes improving care for people after a stroke, supporting carers of those requiring end of life care, developing improved access to primary care and improving complex wound care in the community. [Read more.](#)



Best practice at your fingertips

The Northern Care Alliance has access to Clinicalskills.net. This offers illustrated, step-by-step examples of over 250 clinical procedures which are regularly updated by subject experts drawing on the best evidence. It can also save you time with professional development – you can create CPD and revalidation records which automatically match the Nursing and Midwifery Council framework.

All staff can access Clinicalskills.net from any PC with their NHS Athens details. If you would like a demonstration or need any help with your Athens account, please contact the Library team at library@pat.nhs.uk.



Support for innovation and improvement

Have you identified a service delivery pathway at your Care Organisation that could be improved? Submit your ideas to [Innovation Factor®](#).

The online innovation service allows you to share your idea with NHS innovation experts and seek their support in taking your idea forward. Help includes feedback on viability, market research and identifying potential funding opportunities. [Click here](#) to learn more.

[Top](#)

Research stars of the month





Bury & Rochdale

Ewa Grzegorska and Hemali Patel are CRN research administrators who have helped support the Bury Clinical Research Facility, especially with a large archiving task. They've worked extremely hard on this, as well as helping with data entry and visit preparation for all the study teams. Colleagues say they both have a can-do attitude and are happy to take on any tasks allocated.



North Manchester

Diabetes centre receptionist Julie Mizera goes above and beyond to support clinical research even though it is not formally part of her role. She supports the diabetes research team at North Manchester by assisting with clinic appointments, bookings and referrals and is always very welcoming to research patients, making sure they have everything they need. Colleagues say she is a real star.



Oldham

The Clinical Coding department on A1 ward are always polite, really helpful and nothing is ever too much trouble for them. In particular they are very helpful in sourcing patients' notes following discharge. If the notes are in transit then they will notify the research team when they receive them so they can be collected as soon as possible. This enables the team to be able to supply and input data in a timely manner for our



Salford

Vascular research team manager Christina Summersgill is a pleasure to work with and someone who goes out of her way to understand the demands placed on colleagues. She was nominated by our Research Management and Support team for the help and prompt input she always gives them and they say her efficiency and thoughtfulness make their work flow much more smoothly, even when dealing with very

studies.

complex studies.

Send your nominations

Please keep sending your nominations for the research star of the month, with the name of the person or team and a short paragraph explaining why their work should be recognised to [Vikki O'Loughlin](#) and [Jess Zadik](#).

Although nominations haven't yet opened, now is also a good time to start thinking about which colleagues or teams should be put forward for the NCA's own Staff Awards and the NIHR CRN Greater Manchester Clinical Research Awards. It would be great to see our staff shortlisted for these awards to recognise their fabulous skills and work to improve patient outcomes.

Congratulations

- Congratulations to Professor Lesley Rhodes who has co-written a chapter on '[Exposure to ultraviolet radiation in the modulation of human diseases](#)' with Prue Hart, Mary Norval and Scott Byrne for the Annual Review of Pathology: Mechanisms of Disease.
- Well done to the teams at North Manchester and the Royal Oldham working on the UKGRIS study, which is testing the effect of GRACE-Risk – a tool assessing eight factors predicting the risk of a heart attack – on managing patients with acute coronary syndrome where arteries are only partly blocked (NSTEMI/ACS). North Manchester was the leading recruiter to the study in June with 22 patients, with the Royal Oldham close behind in fifth. The local Principal Investigator is Dr Jolanta Sobolewska.

[Top](#)

Engagement



Putting patients in the picture

We know there are many benefits to taking part in research and that is why we would like to make sure that all patients and carers that are involved with any of our Care Organisations know about the clinical trials in which they could get involved and the different ways they can be involved in research.

Whether as a participant, patient research ambassador or as part of a patient, public involvement (PPI) group providing insight into what it is like to live with a certain condition, an important part of our work is ensuring information is available and accessible.

If you would like support to promote your research, R&I can offer dedicated support. Please contact [Jess Zadik](#), Engagement in Research Manager for further information.

Bringing more transparency to research

When research is open and transparent everyone benefits - the public can see what types of research are taking place, patients can join research studies and access clear information about research findings, research professionals and policy makers can make use of research results and funders can make better use of research funds.

While transparency has improved over recent years, practice still doesn't always match requirements and expectations. That's why the Health Research Authority has drafted a strategy to achieve research transparency and now has an online survey and open workshop in Manchester to gather feedback on proposals.

You can register for the workshop on Thursday 25 July, 10am-2.30pm, [here](#) and complete the online survey by following this [link](#).

[Top](#)

Funding



£1.5M Salford CCG Innovation Fund

NHS Salford CCG's 2019-20 Innovation Fund Locality Call invites organisations to apply for a 12-month funding award to support the testing and development of innovative healthcare products, services and clinical practices that aim to improve the experience and outcomes of people in Salford.

Applications should align to the CCG's priorities in population health, safety improvement, social value and engagement, and workforce development.

Full details can be found [here](#) and anyone wishing to apply from the NCA should contact [Natalie Garratt](#) to discuss their bid. Applications must be submitted by 4 September.

Development fund for unmet health needs

MIMIT (Manchester: Improving Medicine with Innovation and Technology), in collaboration with Oxford Road Corridor and Health Innovation Manchester has established an £80,000 development fund to pump-prime up to eight projects that aim to provide solutions to unmet healthcare needs.

Submissions are sought from the Greater Manchester healthcare system for unmet healthcare needs in the areas of 'living well' and 'ageing well'. Shortlisted submissions will be promoted to the larger MIMIT/Greater Manchester healthcare ecosystem to seek potential collaborative solutions from academics, researchers, clinicians and industry partners.

Up to eight solution providers will be awarded a minimum of £10,000 to pump prime the development of the solution with the aim of preparing the project for further funding. The deadline is 30 August and there's more information [here](#).

NIHR calls

Current NIHR opportunities include:

- [Efficacy and Mechanism Evaluation Programme - epigenetics](#) (closes 28 August)
- [Global Health Policy and Systems Research Programme](#) (various dates)
- [Health technology Assessment Programme - researcher-led primary research](#) (closes 11 September)

Details of all NIHR-funded awards and researchers can now be found together at www.fundingawards.nihr.ac.uk. This website provides information about NIHR funding awards for research, career development, infrastructure and global health projects. Visit the site for application abstracts, plain English summaries, funding values and links to published articles.

[Top](#)

Training



GCP dates for 2019

The dates for Good Clinical Practice (GCP) and GCP refresher courses for 2019 are now available on [our website](#). If your certification is due to expire, please use [this link](#) to confirm your place.

Health risk prediction: Methodology and applications

Staff and students engaged in or supporting P4 medicine research affiliated with the Manchester Biomedical Research Centre, The University of Manchester and/or Health Innovation Manchester are invited to this workshop to learn more about the use of statistical and machine learning methods to predict health risks and outcomes.

Speakers include Professor Niels Peek, Professor Gareth Evans, Dr Glen Martin and Dr Matthew Sperrin. It's on 18 July, 9am-1pm at the Nowgen Centre, Manchester. [Register here](#).

Clinical trials coordination

The Clinical Trials Coordination Certificate provides delegates with the knowledge, skillset and confidence to progress in research management.

This two-day course is developed and delivered by award winning research delivery teams and aims to standardise knowledge and practice. It is ideal for band 5-6s and focuses on the logistics of conducting health research within the NHS.

It runs from 5-6 February 2020 at the Nowgen Centre, Manchester. For more information, email research.training@mft.nhs.uk.

[Top](#)

Events



[International Congress on Radiation Research](#). This 10th international conference will facilitate the development of multidisciplinary collaboration and interaction. It runs from 25-29 August at Manchester Central.

[UK Stroke Research Workshop](#). The programme includes updates on the latest stroke research including sessions on brain haemorrhage, psychological and cognitive consequences of stroke, stroke prevention, blood brain barrier and small vessel stroke, stroke recovery, and the microbiome and stroke, as well as a special session targeted at trainees on navigating the research pathway. It's on 11 and 12 September at Chancellors Hotel and Conference Centre, Manchester.

[An Overview of Advanced Therapies: The UK Landscape](#). This is a free to attend day at the Christie School of Oncology, Manchester, on 22 October

Greater Manchester Cancer Conference. This will take place on 19 and 20 November. No programme details yet but you can sign up for GM cancer education information [here](#).

[Top](#)

Vacancies



- [Consultant Trauma and Orthopaedic Surgeon](#) with a special interest in pelvic/ acetabular surgery and trauma, based Salford (closes 21 July)
- [Advanced Neonatal Nurse Practitioner](#), based Oldham (closes 25 July)
- [Consultant Oesophago-gastric Surgeon](#), based Salford (closes 25 July)
- [Neurology Senior Research Nurse](#), based Salford (closes 26 July)
- [Locum Stroke Physician](#), based Bury (closes 29 July)
- [Senior Clinical Fellow, Stroke services](#), based Salford (closes 29 July)
- [Emergency Medicine Consultant](#), based Salford (closes 31 July)
- [Care of the Elderly Consultant](#), based Bury (closes 4 August)
- [Consultant Neurologist](#), based Salford (closes 8 August)

- [Respiratory and General Medicine Consultant](#), based North Manchester (closes 18 August)

Please visit the [NHS Jobs](#) website for all internal or external vacancies.

[Top](#)

Publications



- Marawan El Farargy, Khaldi Bashaeb, Linda Watkins, Aws Alfahad: [What are the perceptions of interventional radiology amongst foundation doctors and how can awareness be improved?](#) (Clinical Radiology).
- Nicos Mitsides, Damien McHugh, Agnieszka Swiecicka, Roshni Mitra, Paul Brenchley, Geoff Parker, Sandip Mitra: [Extracellular resistance is sensitive to tissue sodium status: implications for bioimpedance-derived fluid volume parameters in chronic kidney disease](#) (Journal of Nephrology).
- Bruce Strober, Peter van der Kerkhof, Kristina Duffin, Yves Poulin, Richard Warren, Claudia de la Cruz, Joelle van der Walt, Bradley Stolshek, Mona Martin, Andre de Carvalho: [Feasibility and utility of the Psoriasis Symptom Inventory \(PSI\) in clinical care settings: A study from the International Psoriasis Council](#) (American Journal of Clinical Dermatology).
- Daniel Carr, Ben Francis, Andrea Jorgensen, Eunice Zhang, Hector Chinoy, Susan Heckbert, Ana Alfircic, Tjeerd van Staa, Munir Pirmohamed, et al: [Genome-wide association study of statin-induced myopathy in patients recruited using the UK clinical practice research datalink](#) (Clinical Pharmacology and Therapeutics).
- Kristian Reich, Richard Warren, Lars Iversen, Lluís Puig, Ignasi Pau-Charles, Atsuyuki Igarashi, Mamitaro Ohtsuki, Andrew Blauvelt, Diamant Thaci. Et al: [Long-term efficacy and safety of tildrakizumab for moderate-to-severe psoriasis: Pooled analyses of two randomised phase III clinical trials \(resurface 1 and resurface 2\) through 148 weeks](#) (British Journal of Dermatology).
- Jack Jacobson, Angela Ju, Amanda Baumgart, Mark Unruh, Donal O'Donoghue, Gregorio Obrador, Jonathan Craig, Juan Dapuieto, Mary Dew, Michael Germain, Richard Fluck, Sara Davison, Sarbjit Jassal, Karine Manera, Alice Smith, Allison Tong: [Patient perspectives on the meaning and impact of fatigue in hemodialysis: A systematic review and thematic analysis of qualitative studies](#) (American Journal of Kidney Diseases).
- Fergus To, Matthew Parker, Clara Ventin-Rodriguez, James Lilleker, Hector Chinoy: [Including myositis-specific autoantibodies improves performance of the idiopathic inflammatory myopathies classification criteria](#) (Rheumatology).
- Judith Eelloo, Miriam Smith, Naomi Bowers, John Ealing, Paul Hulse, James Wylie, Patrick Shenjere, Noel Clarke, Calvin Soh, Richard Whitehouse, Mark Jones, Christopher Duff, Anthony Freemont, Gareth Evans: [Multiple primary malignancies associated with germline SMARCB1 pathogenic variant](#) (Familial Cancer).
- Paul Barnes, Craig Williamson, Robyn Lucas, Sharon Robinson, Sasha Madronich, Nigel Paul, Paul Young, Lesley Rhodes, Richard Zepp, et al: [Ozone depletion, ultraviolet radiation, climate change and prospects for a sustainable future](#) (Nature Sustainability).
- Conor Kavanagh, James Lilleker, Ronan MacDonagh: [Respiratory failure in AChR clustered antibody positive myasthenia gravis](#) (Muscle and Nerve).

- Peter Yeates, Natalie Cope, Eva Luksaite, Andrew Hassell, Lisa Dikomititis: [Exploring differences in individual and group judgements in standard setting](#) (Medical Education).
- Gareth Evans, Claire Hartley, Philip Smith, Andrew King, Naomi Bowers, Simon Tobi, Andrew Wallace, Mary Perry, Raji Anup, Simon Lloyd, Scott Rutherford, Charlotte Hammerbeck-Ward, Omar Pathmanaban, Emma Stapleton, Simon Freeman, Mark Kellett, Dorothy Halliday, Roger Laitt, Owen Thomas, Chris Duff, Stavros Stivaros, Grace Vassallo, Elaine Harkness, Miriam Smith, et al: [Incidence of mosaicism in 1055 de novo NF2 cases: Much higher than previous estimates with high utility of next-generation sequencing](#) (Genetics in Medicine).
- Midhun Mohan, Abdurrahman Islim, Louise Dulhanty, Adrian Parry-Jones, Hiren Patel: [CT angiogram negative perimesencephalic subarachnoid haemorrhage: Is a subsequent DSA necessary? A systematic review](#) (Journal of NeuroInterventional Surgery).
- Angelos Kyriacou, Alexis Kyriacou, Konstantinos Makris, Akheel Syed, Petros Perros: [Weight gain following treatment of hyperthyroidism – a forgotten tale](#) (Clinical Obesity).
- Ashley Bond, Mattias Soop, Michael Taylor, Huw Purssell, Arun Abrham, Antje Teubner, Gordon Carlson, Simon Lal: [Home parenteral nutrition and the older adult: Experience from a national intestinal failure unit](#) (Clinical Nutrition).
- James Floyd, Katarzyna Bloch, Jennifer Brody, Cyrielle Maroteau, Moneeza Siddiqui, Richard Gregory, Hector Chinoy, Tjeerd van Staa, Bruce Psaty, Ana Alfirevic, et al: [Pharmacogenomics of statin-related myopathy: Meta-analysis of rare variants from whole-exome sequencing](#) (PLOS One).
- Kristen Davies, Bradley Lonergan, Rikesh Patel, Marwan Bukhari: [Symptomatic patients with P369S-R408Q mutations: Familial Mediterranean fever or mixed auto-inflammatory syndrome?](#) (BMJ Case Reports).
- Douglas Speake, Lee Dvorkin, Carolynne Vaizey, Gordon Carlson: [Management of colonic complications of Type IV Ehlers Danlos syndrome](#) (Colorectal Disease).
- Megan Palmer, Liam Blakeborough, Matthew Harries, Iain Haslam: [Cholesterol homeostasis: Links to hair follicle biology and hair disorders](#) (Experimental Dermatology).
- Charlie Sewalt, Eveline Wieggers, Esmee Venema, Fiona Lecky, Stephanie Schuit, Dennis Hartog, Hester Lingsma: [The volume-outcome relationship in severely injured patients: A systematic review and meta-analysis](#) (Journal of Trauma and Acute Care Surgery).
- Fatma Hamed, Annika Astrand, Marta Bertolini, Alfredo Rossi, Afsaneh Maleki-Dizaji, Andrew Messenger, Andrew McDonagh, Rachid Tazi-Ahnini: [Alopecia areata patients show deficiency of FOXP3+CD39+T regulatory cells and colotypic restriction of Treg TCRB-chain, which highlights the immunopathological aspect of the disease](#) (PLOS One).
- Kirsty Rutter, I Ashraf, Lis Cordingley, Lesley Rhodes: [Quality of life and psychological impact in the photodermatoses: A systematic review](#) (British Journal of Dermatology).
- M Gill, Louis Fligelstone, John Keating, David Jayne, Sophie Renton, Clifford Shearman, Gordon Carlson: [Avoiding, diagnosing and treating well leg compartment syndrome after pelvic surgery](#) (BJS).
- Tao Wang, Puwapong Nimkingratana, Christopher Smith, Aixin Cheng, Timothy Hardingham, Susan Kimber: [Enhanced chondrogenesis from human embryonic stem cells](#) (Stem Cell Research).
- Satveer Mahil, Niall Wilson, Nick Dand, Nicholas Reynolds, Christopher Griffiths, Richard Emsley, Antonia Marsden, Ian Evans, Richard Warren, Deborah Stocken,

- Jonathan Barker, Arthur Burden, Catherine Smith: Psoriasis treat to target: [Defining outcomes in psoriasis using data from a real world , population-based cohort study \(the British Association of Dermatologists Biologics and Immunomodulators Register, BADBIR\)](#) (British Journal of Dermatology).
- Michael Hughes, Joanne Manning, Tonia Moore, Ariane Herrick, Sarang Chitale: [Ultrasound findings in finger flexor tendons in systemic sclerosis: A cross-sectional pilot study](#) (Journal of Scleroderma and Related Disorders).
 - Adrian Parry-Jones, Camilla Sammut-Powell, Kyriaki Paroutoglou, Emily Birleson, Joshua Rowland, Stephanie Lee, Luca Cecchini, Mark Massyn, Richard Emsley, Benjamin Bray, Hiren Patel: [An intracerebral haemorrhage care bundle is associated with lower case-fatality](#) (Annals of Neurology).
 - Nicos Mitsides, Mauro Pietribiasi, Jacek Waniewski, Paul Brenchley, Sandip Mitra: [Transcapillary refilling rate and its determinants during haemodialysis with standard and high ultrafiltration rate](#) (American Journal of Nephrology).

Journal articles are available through the [Library Service](#), details and links to e-journals are available through the [online library catalogue](#).

[Top](#)

How to submit an article

The Research and Innovation bulletin is published on the third Wednesday of each month.

Please submit articles to [Claire Mooney](#) by noon on the preceding Monday.

An archive of previous editions is available online at www.NCAresearch.org.uk

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