At the University of Birmingham Centre for Patient Reported Outcomes Research (CPROR), we believe in putting the patient perspective at the heart of health research and NHS decision-making.

Patient reported outcomes (PROs) provide a systematic way of measuring patients’ views about their health and well-being. These data are valued by patients and have potential for many uses within the NHS: at an individual level they may inform patient choice regarding treatment; facilitate cooperation between healthcare teams to provide tailored individual care; and identify those most in need of intervention. At a macro-level PRO data may be used: for audit and quality assurance, to provide long-term safety and effectiveness data for treatments, in pay-for-performance initiatives, in prognostic modeling and to inform health-policy.

Working with international partners CPROR aims to deliver world-class research and education to:
- Optimise the use of PROs in clinical trials and routine care
- Improve service delivery
- Enhance patient care and outcomes

I am delighted to be leading this world-class centre for PROs research on behalf of Birmingham Heath Partners, which will make patient centred care a reality.

Melanie Calvert PhD
Professor of Outcomes Methodology
Director Centre for Patient Reported Outcomes Research
FOREWORD BY PATIENT PARTNER GARY PRICE

Four years ago I was diagnosed with a serious illness, in the late stages, with a very low chance of surviving; a long and very intense course of treatment was my only option. So I decided to complete PROs to help me understand how the treatment would affect me. Looking back I know the monitoring really made a difference to my recovery, my healthcare practitioners were able to use my PROs to assess accurately my condition (physically and mentally), thus make the right decisions to keep on with the intense treatment and I could reassure myself that I was doing ok. I’m very pleased and excited to be a member of the CPROR executive and inputting to research that can make a real impact on patient lives.
**RESEARCH:**
‘PROMOTING EXCELLENCE IN PROs RESEARCH’

CPROR members provide methodological expertise across a range of applied health research including:

- Burns, plastics and trauma
- Heart conditions
- Oncology
- Mental health
- Kidney disease

- Working with international collaborators to develop best practice for PROs in clinical trials
- Selection of PROs, trial design, minimising missing data, managing PRO Alerts
- Transparent reporting of PRO data to maximise impact and patient benefit

Leading research to develop electronic patient-reported outcome measures (ePROM) systems that:

- Tailor care to individual patient needs
- Aid patient-provider communication and support shared decision-making
- Improve patient activation
- Enhance patient care and outcomes

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APPLIED PROs RESEARCH

CPROR members contribute to national and international clinical trials and provide methodological expertise across a wide range of clinical areas within the Birmingham Health Partners (BHP) Institute of Translational Medicine and NIHR infrastructure, such as the NIHR Biomedical Research Centre for Inflammatory Disease and the NIHR Surgical Reconstruction and Microbiology Research Centre.

www.birminghamhealthpartners.co.uk
PROs IN TRIALS

CPROR is working with international collaborators to develop best practice for PROs in clinical trials. This includes PRO selection, trial design (including leading the development of the SPIRIT-PRO extension), minimising missing data, managing PRO alerts, analysis of PRO data (contributing to the EORTC led SISAQOL project) and the transparent reporting of PRO data using CONSORT-PRO to maximise impact and patient benefit.
BUILDING CAPACITY
‘FOR APPLIED AND METHODOLOGICAL RESEARCH TO EVALUATE PROs USE IN CLINICAL TRIALS, ROUTINE CARE AND AS PART OF “BIG-DATA”’

Reporting: CONSORT-PRO Extension
Clinical and policy guidelines
High quality evidence to inform patient-centred care

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PROs IN ROUTINE PRACTICE

CPROR members are leading research in collaboration with the award-winning health informatics team at University Hospitals Birmingham NHS Foundation Trust and the Institute of Transitional Medicine to develop groundbreaking electronic patient reported outcome measure (ePROM) systems. ePROMs will improve communication between patients and their doctors, facilitate shared decision-making and help clinicians to more accurately tailor care to individual patient needs.
CASE STUDY

Dr Derek Kyte (NIHR Fellow) and Dr Olalekan Aiyegbusi (Health Foundation-funded Doctoral Researcher) are currently conducting a groundbreaking £0.75m translational research project, which will embed an ePROM system, designed in collaboration with patient partners, into the care pathway of patients with advanced chronic kidney disease.

‘INTEGRATING PROs INTO ROUTINE CLINICAL CARE’
TRAINING AND EDUCATION

CPROR provides PRO education and training for clinicians, patients and researchers through online learning resources, CPD workshops and supervision of undergraduate and postgraduate students.
PROLEARN IS OUR FREELY ACCESSIBLE INFORMATION RESOURCE FOR PATIENTS, CLINICIANS AND RESEARCHERS WISHING TO FIND OUT MORE ABOUT PROs

Funded by
NIHR Clinical Research Network:
West Midlands

Topics covered

New to PROs?

- PROs in routine practice
- PROs in trials
- PROs for patient advocates
- Reviewing PRO research

PROLEARNING FOR THE FUTURE
BIRMINGHAM.AC.UK/PROLEARN
GLOBAL COLLABORATION WITH:
- Patient partners
- Clinicians
- Journal editors
- Funders
- Charities
- Trials units
- Regulators
- Ethicists
- Methodologists
- International societies
- Industry

MULTIDISCIPLINARY TEAM COMPRISING MEMBERS FROM BIRMINGHAM HEALTH PARTNERS (BHP) A STRATEGIC ALLIANCE BETWEEN:
- University of Birmingham (UoB)
- University Hospitals Birmingham NHS Foundation Trust (UHB)
- Birmingham Children's Hospital (BCH)
- Birmingham Women's Hospital (BWH)

In collaboration with primary and social care

Find out more:
www.birmingham.ac.uk/cpror

Training:
www.birmingham.ac.uk/prolearn

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