Annual Report 2008

The Rehabilitation Research Group

Health Services Research

ScHARR

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Preface

The rehabilitation group were pleased to welcome and incorporate the Assistive Technology group previously based at Barnsley NHS Trust and led by Professor Mark Hawley.

This has strengthened and broadened the research that we are engaging with and which will become increasingly important. The theses that the Rehabilitation and Assistive Technologies group within the Health Services Research section [HSR] of the School of Health & Related Research includes the following themes:

1. Rehabilitation of older people
2. Telecare
3. Provision for pmld
4. Telehealth
5. Assistive communication devices
6. Stroke services.
7. Obesity

The following report demonstrates active contributions to teaching, research, administration and consultancy. We are proud to present 15 peer reviewed journal articles, 9 reports, chapters and books, 26 conference presentations, 5 contributed talks and posters and 24 research grants.

Professor Pam Enderby
January 2008
The Rehabilitation Research Group 2008

Prof Pamela Enderby [PE]  Professor of Rehabilitation (0.4)
Prof Mark Hawley [MH]  Professor of Health Services Research (1.0)
Dr Lorraine Ellis [LE]  Senior Lecturer (1.0)
Dr Ruth Bacigalupo [RB]  Research Fellow (0.8)
Dr Simon Brownsell [SB]  Research Fellow (1.0)
Dr Liz Croot [LC]  Research Fellow (0.4)
Peter Cudd [PC]  Senior Research Associate (1.0)
Steven Blackburn [SBl]  Research Associate (1.0)
Dr Fabien Cardinaux [FC]  Research Associate (1.0)
Dr Annette Haywood [AH]  Research Associate (1.0)
Anna Moran [AM]  Research Associate/PhD student (1.0) Left November 2008
Dr Rebecca Palmer [RLP]  Clinical Research Therapist (0.6)
Speech & Language Therapist (0.4) [Honorary contract from 1st July 2007]
Dr Caroline Pickstone [CP]  Senior Manager, South Yorkshire Comprehensive Local Research Network (CLRN) (0.8) & Honorary Research Fellow (0.2)
Mark Atkin [MA]  PhD student (0.5)
Kate Fryer [KF]  Research Assistant/Speech Therapist (0.47)
Dr Clare Gibson [CNG]  KTP Associate (1.0)
<table>
<thead>
<tr>
<th>Name</th>
<th>Position</th>
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<tbody>
<tr>
<td>Kelly McPhee [KMcP]</td>
<td>PhD student/Speech Therapist</td>
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<tr>
<td>Sue Pownall [SP]</td>
<td>PhD student/Speech Therapist</td>
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<tr>
<td>Marilyn Lidster [MEL]</td>
<td>Administrator/PA to Pam Enderby</td>
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<td>(0.3 for University 0.5 for Royal College of General Practitioners)</td>
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<tr>
<td>Alison Keys [AK]</td>
<td>PA to Mark Hawley</td>
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<td>(0.7 for University 0.3 for Barnsley Hospital)</td>
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Teaching by the Rehabilitation Research Group

Undergraduate

BMedSci HAR222 – lecture on Communication Aids (RLP)

Community Attachment Scheme for MBChB (RLP, LC, CNG, KF)

MBChB Phase 1b Student Selected Component: Research Attachment – Assistive Technology (SBI) (PC)

BMedSci student (1) (LE)

Supervision of the final year projects of seven BEng students at University of Sheffield (MH)

‘Learning Facilitator’ of final year dissertation BSc (Occupational Therapy, SHU) (PC)

BMedSci Health and Human Sciences – Module Co-ordinator for Module HAR222: Disability and Rehabilitation (CP)

Postgraduate

PhD students, Scharr, (4 students) (LE)

Professional doctorate student, School of Nursing, (2 students) (LE)

Doctor of Education (EdD), School of Education, University of Sheffield (3 students) (LE)

Master in Nursing Studies, Royal College of Nursing / Open University (2 students) (LE)

MPhil student (1) (LE)

Supervisor to a PhD student at Sheffield Hallam University and on the supervisory panel of two PhD students at the University of Sheffield (MH)

External supervisor to MPhil students at the University of Sheffield (MH)

Training of Medical, Nursing and Scientific staff in Barnsley in Research and Development. (MH)

Good Research Practice – Graduate Research Office - University wide PhD students. Four lectures a year (PE/CP)

Unit coordinators, Master in Public Health (Health Services Research) Advanced Qualitative Research Design and Analysis HAR6531 (LE/CP)
External Courses

RCGP – The Future of the NHS in South Yorkshire (MEL)
RCGP – Life after VTS held in York (MEL)
RCGP – Developing a Strategy to promote world class primary care (MEL)
RCGP – The Anonymous Alcoholic & the Tortured Path (MEL)
RCGP - CSA Examination Course (MEL)
RCGP - Appraised Nick Clegg MP on primary care issues within South Yorkshire
RCGP – The 10-minute approach to Cognitive-Behavioural Therapy (MEL)

Sheffield Speech & Language Therapy Dysphagia Course, credit rated by Sheffield Hallam University (SP)

Rehabilitation Research Group peer review publications 2008


Marshall, J., Goldbart, J., PICKSTONE C., Roulstone, S. Analysis of the application of systematic reviewing in speech and language therapy. Invited paper for Special Issue of International Journal of Language and Communication Disorders.

**Other publications (books, chapters & reports)**


Invited Conference Talks and Seminars


Addressing the needs of people with speech disorders: Applications of speech recognition technology. Speech technology conference, University Queensland, September 2008 (RLP)

Effects of treatment in longstanding dysarthria. Motor Speech Conference, Antwerp, Belgium, October 2008 (RLP)

Evidence based intervention for dysarthria treatment. Motor Speech conference, Antwerp, Belgium, October 2008 (RLP, PE, CP, KF)

Are thickened fluids worth the trouble? A pilot RCT of dysphagia management, South Wales Dysphagia Specialist Interest Group, November 2008 (RLP, PE)

You only Live Twice. Scottish Speech and Language Therapy Conference, Edinburgh, February 2008 (PE)

Belief in Research: angels and demons [keynote] WAP 25th Annual Congress, Amsterdam, March 2008 (PE)

You only Live Twice. Speech and Language Therapy Service Planning meeting, Bristol June 2008 (PE)

A Marriage of Convenience CLRN Conference, Newcastle upon Tyne, June 2008 (PE)


Communication Aids and Environmental Controls. The 5th World Congress of Neurological Rehabilitation [WCNR] Brazilia, September 2008 (PE)
A multi-centre randomised controlled trial [RCT] of home based versus day hospital rehabilitation. British Geriatrics Society Autumn Meeting, Birmingham November 2008 (PE)


**CUDD P.** (2008) Introduction to Assistive Technology Innovation, *Devices for Dignity Health Technology Centre meeting ‘Knocking down the barriers to get AT innovations to market’*, Sheffield, UK (PC)

**CUDD P.** (2008) Website Walk Through, *Devices for Dignity Health Technology Centre meeting ‘Knocking down the barriers to get AT innovations to market’*, Sheffield, UK (PC)


5th February 2008 Invited presentation to Sheffield Speech & Language Therapy Agency – Dancing with methodology (CP)

Four linked presentations: Invitation seminar of the Journal of Research into Special Educational Needs, Manchester, July 2008. (CP)


Contributed talks and posters


PhD Students

Anna Moran (PE) awarded her doctorate
Sue Pownall (PE)
Mark Atkin (PE)
Kelly McPhee (PE)
Nicky Cullen (LE) awarded her doctorate
Beverley Bennett (LE)
Carol Cooper (LE)
Claire Allen (LE)
John Sedgwick (LE)
Thomas Kearn (LE)
Pat Hibberd (LE)
Paula Crick (LE)
Kasia Machaczek (LE)

Internal examining

Anna Moran (MH)
PhD March 2009 (LE)

External examining

PhD, University of Salford (LE)
PhD, Kings College London (LE)
PhD, Bournemouth University (LE)

Professional Doctorate, University of Southampton (LE)
Professional Doctorate, University of Northumbria, Newcastle (LE)
Professional Doctorate, University of Surrey (LE)

Consultant advisor to four professional doctorates in the UK (LE)
Governor Director, Wakefield Grammar School Foundation (LE)
Partner Governor/Trustee, Doncaster and Bassetlaw NHS Trust (LE)
Member of Council, University of Birmingham (LE)
Associate member of the Centre for Workplace Health (LE)
Treasurer, International Network of Doctoral Education for Nurses (INDEN) (LE)

**External Positions**

Telecare Associate – Department of Health (SB)
Honorary Research Fellow – Barnsley Hospital (SB)
Honorary Associate Lecturer - University of York St John (SB)
Editorial Board – Journal of Assistive Technologies (SB)
Grant reviewer – Department of Health, SDO (SB)

RAE panel 2007/2008 (PE)
Scientific Committee for the 5th World Congress of Neuro Rehabilitation (Rio-de-Janero) (PE)
Professorial Appointment Committee, University of Oulu, Finland (PE)
Membership of the International Association of Logopaedia and Phoniatrica Motor Speech Disorders Committee (PE)
Editorial Board member – The Journal of Communication Disorders Quarterly (PE)

Keynote Paper on Doctoral Education for Workforce Development, University of Southampton (LE)
Freda Ashmore Seminar – Postgraduate education and the knowledge economy. University of Birmingham (LE)
Master class to doctoral students on the contribution of doctoral education. Kings College, London (LE)
Visiting Fellow, University of Lincoln (LE)
Fellow of the Royal Society of Medicine (FRSM) (LE)
Fellow of the Royal Society of Arts, Manufacturers and Commerce (LE)
Listed in the 2008 Whose Who for contribution to nursing and nurse education (LE)

Non-executive Director Medipex Ltd. (NHS Innovation Centre for Yorkshire and the Humber) (MH)
Member of the awards panel for the NIHR Research for Innovation, Speculation and Creativity (RISC) programme. (MH)

Member of the Cross-Faculty Executive, Sheffield Institute for Studies in Ageing (SISA), University of Sheffield (MH)
Programme Lead, Sheffield Health and Social Research Consortium, Ageing and Older People programme (MH)
Member of joint Royal College of Physicians/Institute of Physics and Engineering in Medicine Working Group on Specialist Equipment Services (MH)
Member of NHS Purchasing and Supplies Agency (PASA) Electronic Assistive Technology External Reference Group (MH)

Member of the management committee for the Rockley House Charitable Trust (MH).

Member of BSI committees IH/7/1 (Aids for the Handicapped - International) and CH/48 (Communication Aids for the Handicapped) (MH)

Chairman of the BH NHS Trust Research and Development Committee. Research and Development lead in the Trust for two years prior to appointment as R&D Director (MH)

UK National Contact for Association for the Advancement of Assistive Technology in Europe (PC)

Honorary Senior Research Associate, Barnsley Hospital NHS Foundation Trust (PC)
Honarary Research Fellow – Barnsley Hospital (RB)

ARTICLE REVIEWER (SBI)
Ageing & Society

ARTICLE REVIEWER (PE)
Age and Ageing
British Journal of Clinical Governance
Journal of Clinical Rehabilitation
Journal of Paediatrics
Ageing & Society
Australian Journal of Communication Disorders
International Journal of Language & Communication
Journal of Disability and Rehabilitation
Journal of Health Service Research & Policy
Journal of Neurology, Neurosurgery & Psychiatry
Folia Phoniatrica et Logopaedica (Switzerland)

ARTICLE REVIEWER (LE)
International Journal of Nurse Education Today
International Journal of Advanced Nursing Studies
International Journal of Advances in Health Sciences Education
McMaster Online Rating of Nursing Evidence (MORE), McMaster University, Ontario

ARTICLE REVIEWER (CP)
Health & Social Care in the Community
Developmental Medicine and Child Neurology
BMJ

ARTICLE REVIEWER (RLP)
South African Journal of Communication Disorders

GRANT PROPOSAL REVIEWER (PE)
Wellcome
EPSRC
Stroke Association
Health Technology Assessment
ESRC
NHRMC (Australia)
Multiple Sclerosis Society

Parkinson’s Disease Society
Scottish Office
MRC
Remedi
Health Foundation
SDO (Department of Health)
Royal College of Speech & Language Therapy

**GRANT PROPOSAL REVIEWER**

(MH)

EPSRC
MRC
Parkinson’s Disease Society

SDO (Department of Health) (LE),
ESRC (LE)
The Leverhulme Trust Visiting Professorship Award, Kings College University, London (LE)
University of Birmingham, Post-doctoral research grant applications (LE)

Parkinson’s Disease Society (RLP)
Scottish Chief Scientist Office (RLP)

Invited member of the Telecare Trade Association, TSA Code of Practice Management Board (SB)

Invited member of the Telecare Advisory Network, Department of Health (SB)

Steering group member, Centre for Enabling Environments and Assistive Technology (CEEAT)
St John University, York (SB)

Academic Referee for Health: an interdisciplinary Journal 2006 (LC)
Referee for Research for Patient Benefit Grant applications 2006 (LC)
Associated Activities

Work with a network of researchers based in Manchester, Bristol and Newcastle to develop research proposals in the area of environmental influences on child development. (CP)

Barnsley Health and Social Care Research and Development Alliance Steering Committee (RB).

Weight Management Project Project Steering Committee, Barnsley (RB).

Omega 3 Pilot Project Steering Group, Barnsley (RB).

Barnsley Hospital Research and Development Committee (RB).

One Barnsley Research Network (RB).

Research Governance in Social Care Implementation Group, Barnsley Social Services (RB).

Fit for the Future Research Advisory Group, Barnsley PCT (RB).

Barnsley Public Health Forum, Barnsley PCT (RB).

Evidence Based Social Care Project Steering Committee, Rotherham (RB).

Trent RDSU Sheffield Local Business Group (RB).

Trent RDSU South Yorkshire Consultative Group (RB).

South Yorkshire Research Support Group (Local Comprehensive Research Network), Sheffield (RB).

Social Care Access to Research Evidence (SCARE) Group, Nottingham (RB).

East Midlands and South Yorkshire Network (EMSYNET) Strategic Management Group, Leicester (RB).

Primary Care Trusts Research Management and Governance Leads Group, Derby (RB).

Research Governance in Social Care National Steering Group, London (RB).

Director of Research and Development, Barnsley Hospital NHS Foundation trust (MH)

Chair, Barnsley Health and Social Care Research Alliance (MH)

CUDD P, Zahid A : constituted, organised and hosted for 30+ delegates : Device for Dignity Health Technology Centre meeting 'Knocking down the barriers to get AT innovations to market', Sheffield, UK (PC)

CUDD P, Palmer B : Maavis dissemination to members of Quality Care Partnerships (Sheffield), included distribution of software(19), 2008 (PC)

CUDD P, Warnes A, Palmer B : Managed access to audio, visual and information services, Sheffield Business Community panel (8), 2008 (PC)

CUDD P: Simple Windows – SIMWIN – progress and plans, board of SheffCare Ltd, 2008 (PC)

CUDD P : Simple Windows – SIMWIN – providing easy access to ICT for older people and people with learning disabilities, presentation to Nick Clegg MP (PC)

Barnsley Health and Social Care Research and Development Alliance Steering Committee (RB).

Weight Management Project Project Steering Committee, Barnsley (RB).

Barnsley Hospital Research and Development Committee (RB).

One Barnsley Research Network (RB).

Research Governance in Social Care Implementation Group, Barnsley Social Services (RB).

Fit for the Future Research Advisory Group, Barnsley PCT (RB).

Barnsley Public Health Forum, Barnsley PCT (RB).

Evidence Based Social Care Project Steering Committee, Rotherham (RB).

Trent RDSU Sheffield Local Business Group (RB).

Trent RDSU South Yorkshire Consultative Group (RB).

South Yorkshire Research Support Group (Local Comprehensive Research Network), Sheffield (RB).

East Midlands and South Yorkshire Network (EMSYNET) Strategic Management Group, Leicester (RB).

Primary Care Trusts Research Management and Governance Leads Group, Derby (RB).

Research Governance in Social Care National Steering Group, London (RB).

Director of Research and Development, Barnsley Hospital NHS Foundation trust (MH)

Chair, Barnsley Health and Social Care Research Alliance (MH)

University Recruitment and Selection Co-ordinator (MEL)
Research Awards and Grants (both new and ongoing)


Voice Input Voice Output Communication Aid (VIVOCA) New and Emerging Applied Technologies Programme – Department of Health. £279,053 (PE, RLP)

Dec 2008 Evaluating the cost effectiveness of computer therapy compared with usual stimulation for people with longstanding aphasia post stroke. Research for Patient Benefit Programme, NIHR, £170,000 (RLP, PE)


Influencing Recruitment and Retention of Nursing Home Staff (KTP) Department of Trade and Industry £172,000. (PE, LC)

Voice Input Voice Output Communication Aid (VIVOCA) New and Emerging Applied Technologies Programme – Department of Health. £279,053 (PE, RLP)

Speech Drive Environmental Control Systems (SPECS) Department of Health £295,381 (PE, LC, MH)

SMART: Self Management supported by Assistive, Rehabilitation and Telecare Technologies, EPSRC (EQUAL programme), total grant £2.3M, University of Sheffield grant £560,000 (2008-2011) Principal Applicant (MH)

Advanced Lifestyle Monitoring System, Department of Health, Health Technology Devices programme £795,000 (50/50 DH grant / industrial match funding) (2006-2009) Principal Applicant (MH)

Advanced Care Technologies research and knowledge transfer programme, European Union – European Regional Development Funds £523,000 (2006-2008) Co-applicant (MH)

Speech-controlled Environmental Control System – new technologies for disabled and older people, Department of Health, Health Technology Devices programme (MH)
£630,000 (50/50 DH grant / industrial match funding) (2005-2008) Principal Applicant (MH)

Voice Input Voice Output Communication Aid, Department of Health New and Emerging Applications of Technology, £319,000 (2005-2008) Principal Applicant (MH)

Devices for Dignity (D4D), NIHR Health Technology Co-operative, £550,000 (2008-2009) Co-applicant (MH)

Enhancing the Effectiveness of interprofessional working: costs and outcomes (EEICC) Department of Health, SDO £335,135 (PE)

Commissioning Guidelines for speech and language therapy Royal College of Speech and Language Therapists £80,000 (PE/CP)

Collaboration for Leadership in Applied Research Health Care [CLARHC] funded by National Institute of Health Research (NIHR) over five years – Stroke Theme lead £782,600 (PE)

Enhancing the effectiveness of inter-professional team working: costs and outcomes. Co-applicant. Department of Health. NHS National Institute for Health Research (£345,000) (LE)

Scoping and evaluation of clinical dentistry services in the UK and associated professional development needs, Teaching and Learning Development Grant £5,000 University of Sheffield. (LE)

National Survey of the quality of undergraduate education for dental students. British Association of Conservative Dentistry. £3,000 (LE)

Nursing and Midwifery e-cohort: longitudinal evaluation, University of Queensland (LE)

Collaboration for Leadership in Applied Research Health Care (CLARHC), Principal investigators: Dr Paul Bissell, Dr Ruth Bacigalupo, Dr Christine Smith, Dr Tracey Young, Dr Angela Todd, Dr Cindy Cooper, Obesity Reduction in South Yorkshire: A Randomised Control Trial of Services for Obese Adults (2009-2014). £720,000 (RB)

HEFCE. Principal investigator Dr Ruth Bacigalupo. Women’s Academic Returners Programme (January 2008). £16,000. (RB)

Barnsley Research Alliance. Principal investigators: Professor Mark Hawley, Dr Ruth Bacigalupo. To develop primary care research agenda. (October 2003 – March 2008). £387,000 (RB) (MH)