



The
University
Of
Sheffield.

Annual Report 2008
The Medical Statistics Group
Health Services Research Section
School of Health and Related Research
(ScHARR)
University of Sheffield

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Preface

The Medical Statistics Group (MSG) is located within the Health Services Research (HSR) Section of the School of Health and Related Research (ScHARR) at the University of Sheffield and works closely with the Medical School, the National Institute for Health Research (NIHR) Research Design Service for Yorkshire and Humber (previously the Trent Research Development and Support Unit (RDSU) and the Clinical Trials Research Unit (CTRU).

The MSG aims to:

1. develop new statistical methodology relevant to medical and health services research;
2. help ScHARR achieve a high rating at the next Research Assessment Exercise (and its successor the Research Excellence Framework (REF)) by providing high quality advice on research proposals and using modern statistical methods in the analysis and display of data;
3. provide direct input to medical and health services research projects through collaborative research and consulting;
4. develop and deliver statistics modules for undergraduate and postgraduate degree schemes within ScHARR; the Faculty of Medicine, Dentistry and Health and the University of Sheffield;
5. train medical and health services professionals in the theory and application of appropriate statistical methods in their own research;
6. train the next generation of medical statisticians (by introducing an MSc in Medical Statistics).

The Group operates in three main areas of research, teaching and consultancy.

Highlights of 2008

All five core academic members of the group were submitted to the Health Services Research Unit of Assessment (UoA 7), for the 2008 Research Assessment Exercise, and contributed to the excellent SchARR RAE result.

We have a strong list of peer reviewed publications with **23** joint-authored papers in 2008 and a further 6 non-refereed papers, letters or books. We also have a strong list of successful grant collaborations worth approximately **£13.4** million.

In 2008 the Medical Statistics Group worked on **39** new grant applications, to various funders, from outline stage to full application. Of those that made it to full application a total of **£43 million** was applied for. This resulted in 11 new research grants with a value of approximately **£9 million**.

The MSc in Medical Statistics has been approved and will run for the first time in October 2009.

'How to display data' by Jenny Freeman, Stephen Walters and Mike Campbell was one of Wiley/Blackwell's best sellers for 2008, having sold more than 3,000 copies in its first 9 months.

Jenny Freeman was awarded a second Senate award for Excellence in Teaching and Learning and is only one of two individuals to have received this prestigious award twice.

Mike Campbell gave a course on cluster randomised trials on behalf of the International Society for Clinical Biostatistics with Rumana Omar from University College London, in Isfahan, Iran. He served on Panel C12 (Professions Allied to Medicine) in the recent RAE.

Jenny has been appointed to Chair of the Royal Statistical Society Local Group. Jenny organised a well-attended study day on 'Futility analyses in clinical trials' at the Royal Statistical Society in London in November. In collaboration with Nottingham Trent University and the University of Leicester, she again ran the Statistic Poster Challenge, a successful event in which over 500 children across the region (<http://www.schoolspoc.org.uk/>) participated.

And finally, we look forward to two further statisticians, Dawn Teare and Richard Jacques joining us in January 2009. Dawn is coming from the Medical School where she worked with Chris Cannings and Richard will be working on the UniPath project with Richard Eastell from the Medical School. Steven Julious and Jenny Freeman will be on study leave for the second semester in 2009. Georgina Jones is on study/maternity leave for all of 2009.

MJC January 2009

The Medical Statistics Group

Mike Bradburn (MB)	Statistician
Mike Campbell (MJC)	Professor of Medical Statistics
Jenny Freeman (JF)	Senior Lecturer in Medical Statistics
Georgina Jones (GL)	Senior Lecturer in Social Sciences
Steven Julious (SAJ)	Senior Lecturer in Medical Statistics
Stephen Walters (SJW)	Reader in Medical Statistics

Members of ScHARR with an Interest in Statistics

Jon Nichol (JPN)	Professor of HSR	MCRU
Alicia O’Cathain (AOC)	Senior Research Fellow	MCRU
John Stevens	Director, CHEBS	HEDS
Tracey Young (TY)	Lecturer	HEDS
Mark Strong (MS)	Clinical Lecturer	Public Health
Patrick Fitzgerald (PF)	Research Fellow	HEDS
Dave Saxon (DS)	Research Associate	Mental Health

Teaching 2008 by the Medical Statistics Group

Posts School Examinations Office (JVF), Course Director MPH(HSR) SJW)

Undergraduate

MBChB (MJC, JF*, SAJ, SJW, GLJ)

HAR202 BMedSci (ScHARR) (JF*, SAJ, MJC)

HAR6250 BMedSci (ScHARR) (MB)

Undergraduate/Postgraduate

Statistics for the Medical and Health Sciences (HAR6036) (SAJ*, SJW, JF, MB)

Postgraduate

An Introduction to Statistics and Critical Appraisal (HAR6035) (MJC, JF, SJW*, SAJ, TY)

An Introduction to Research Methods (HAR6030) (MJC, JVF*)

MSc Genetic Epidemiology, Epidemiology II (MJC*)

MPH (SJW, MJC)

MSc (HSR) (MJC)

MSc Medical and Health Sciences (JF)

MSc Health and Social Care (distance learning) (including RTP and MSc in Psychological Research Students (GLJ, MB)

Specialist Registrars short course (JF)

MSc Renal Medicine (JF)

MRCPsych Part II Social Science (GLJ)

Trent RDSU Short courses (JF, SJW, TY)

Trent RDSU Statistics Clinics (MJC, JF, SAJ, SJW, TY)

* Course Coordinator

PhD graduates

Spencer Boyle (Supervised by Stephen Walters and Georgina Jones) ‘minor corrections’.

Adriana Ismail (supervised by Mike Campbell and Georgina Jones) ‘major corrections.’

MD

Tom Locker, a part-time university staff candidate, (supervised by Sue Mason (HSR) and Stephen Walters).

Ongoing PhD Students

Elton Chanakira (full-time): supervised by Liddy Goyder (Public Health), JVF & Alicia O’Cathain

Nicola Clibbens (part-time university staff candidate): supervised by Wendy Baird (Public Health) and SJW

Khadija Rerhou (part-time university staff candidate): supervised by MJC

Chirk Jeng Ng (full time): supervised by Nigel Mathers and MJC

Olivier Wong (external) supervised by Nigel Mathers, Mike Campbell and Jenny Freeman

Feng Lui (part-time): supervised by Steven Julious and Stephen Walters

Joseph Akanuwe: supervised by Liddy Goyder and Steven Julious

Sally Hartnell: supervised by Liddy Goyder and Steven Julious

Mamdooh Alonazi (full-time): supervised by Allan Hutchinson and Jenny Freeman

Victoria Brennan FT (Supervised by Jones GL, Radley SC, Dixon S)

Kay Bowen FT (Supervised by Jones GL, Anumba DOC)

Rosalind Haddrill PT (Supervised by Jones GL, Anumba DOC Mitchell C)

MD

Li Wei Water (Supervised by Jones GL, Li TC)

MPH Students 2008

Saadia Chaudhry. Do partners of mothers at risk of PND have different QoL outcomes than partners of mothers without PND (SJW)

Jennifer Lai. An investigation of childhood obesity in Sheffield and Derbyshire (SAJ)

Ugoji Ngozi. Environmental determinants of peak levels of asthma in children: an association between asthma hospital admissions in children in Doncaster and outdoor pollutants (SAJ)

Kevin Anu. Analysis of environmental triggers of peak in children's asthma hospital admissions in Aberdeen. (SAJ)

BMedSci Students 2008

Holly Ingham (MJC)

Frances Waller (JVF)

Intercalated BMedSci Students

Helen Bowes (GLJ,and Bill Ledger)

Sarah Kingdom (Supervised by GLJ, Derrick Rosario D)

External examining

MJC

PhD University of Leeds, PhD University of Cardiff, PhD LSHTM

External adviser: MSc Medical Statistics. University of Hong Kong

JF

MPhil University of Glasgow , MSc Statistical Epidemiology University of Leeds ,

Postgraduate Medical Statistics (various courses) University of Central Lancashire

External Courses

Cluster Randomised Trials : afternoon course MSc Med Stats (Leicester) (MJC)

'Cluster Randomised Trials'. One day Erasmus Winter Course, Rotterdam (MJC)

‘Cluster Randomised Trials’. Two day ISCB Course, Isfahan, Iran (MJC)

‘Using problem-solving to teach statistics’ Half-day workshop at Royal Statistical Society Conference (Nottingham) (JF)

Medical Statistics Group peer-reviewed publications 2008

Barclay C, K Procter, R Glendenning, P Marsh, **J Freeman**, N Mathers. Is Type-2 diabetes be preventable? A lifestyle change programme for Pre-Diabetes Mellitus. [ISIAIAH]. *British Journal of General Practice*. 2008. Vol 58: 541-547.

Boyle S.E., Jones G.L., **Walters S.J.** Physical activity among adolescents and barriers to delivering physical education in Cornwall and Lancashire, UK: A qualitative study of heads of PE and heads of schools. *BMC Public Health* 2008; 8: 273.

Caldon L.J.M, **Walters S.J.**, Reed M.W.R. Changing trends in the decision making preferences of UK women with early breast cancer. *British Journal of Surgery* 2008; 95(3):312-8.

Campbell MJ, Hall D, Stephenson T, Bacon C, Madan J Recurrence rates for SIDS - the importance of risk stratification. *Archives of Disease in Childhood*, **93**, 936-939 doi:10.1136/adc.2007.121350.

Clark H.R., Goyder E., Bissell P., Blank L., **Walters S.J.**, Peters J. A pilot survey of socio-economic differences in child-feeding behaviours among parents of primary-school children. *Public Health Nutrition* 2008; 11(10):1030-6.

Clesham K., Mason S., Gray J., **Walters S.**, Cooke V. Can emergency medical service staff predict the disposition of patients they are transporting? *Emergency Medicine Journal* 2008; 25(10): 691-4.

Davies MJ, Heller S, Skinner TC, **Campbell MJ**, Carey ME, Cradock S, Dallosso HM, Daly H, Doherty Y, Eaton S, Fox C, Oliver L, **Rantell K**, Rayman G, Khunti K(2008) Effectiveness of the diabetes education and self management for ongoing and newly diagnosed (DESMOND) programme for people with newly diagnosed type 2 diabetes: cluster randomised controlled trial. *BMJ*, **336**, 491-495. (doi: 10:1136/bmj.39474.922025.BE) IDS 274JL.

Eastell R, Hannon, RA., Garnero P, **Campbell MJ**. Delmas PD. (2008) Relationship of early changes in bone resorption to the reduction in fracture risk with risedronate: Review of statistical analysis – Response. *Journal of Bone and Mineral Research*, **22**, 1656-1600.

J Freeman, D Staniforth, S Collier, K Smith. Innovations in curriculum design: a multi-disciplinary approach to teaching statistics to undergraduate medical students.

BMC Medical Education. 2008. <http://www.biomedcentral.com/content/pdf/1472-6920-8-28.pdf>.

Harris RJ, **Bradburn MJ**, Deeks JJ, Harbord RM, Altman DG, Sterne JAC. meta-analysis of fixed- and random-effects meta-analysis. *Stata Journal* 2008; 8(1): 3-28.

Hopwood V, Lewith G, Prescott P and **Campbell MJ**.(2008) Evaluating the efficacy of acupuncture in defined aspects of stroke recovery A randomised, placebo controlled single blind study *J Neurology* 255:858-866 DOI 10.1007/s00415-008-0790-1.

Jenkinson C, Kennedy S, **Jones G**. Evaluation of the American version of the 30-item Endometriosis Health Profile(EHP-30). *Qual Life Res*. 2008 Nov;17(9):1147-52. Epub 2008 Oct 10.

Jones GL, Balen AH, Ledger WL. Health-related quality of life in PCOS and related infertility: how can we assess this? *Hum Fertil (Camb)*. 2008 Sep;11(3):173-85.

Jones GL, Radley SC, Lumb J, Jha S. Electronic pelvic floor symptoms assessment: tests of data quality of ePAQ-PF. *Int Urogynecol J Pelvic Floor Dysfunct*. 2008 Oct;19(10):1337-47. Epub 2008 Jun 14.

Julious SA and Mullee MA. Issues with using baseline in a last observation carried forward analysis. *Pharmaceutical Statistics* 2008 7(2): 142-6.

Julious SA and Wang SJ. Issues with indirect comparisons in clinical trials particularly with respect to non-inferiority trials. *Drug Information Journal* 2008 42:625-33.

Mason S, E Knowles, **JV Freeman**. Safety of paramedics with extended skills: Appropriateness of clinical decision making within a paramedic practitioner intermediate care support scheme for older people with minor conditions. *Academic Emergency Medicine*. 2008. Vol 15: 607-612.

Nancarrow S, Moran A, Enderby P, Parker S, Dixon S, Mitchell C, **Bradburn M**, McClimens A, Gibson C, John A, Borthwick A, Buchan J. The impact of workforce flexibility on older people's services *International Journal of Therapy and Rehabilitation*, 15(9) 374-375.

A Nisar, MWJ Morris, **J Freeman**, J Cort, P Rayner, SA Shahane. Subacromial bursa block is an effective alternative to intrascalene block for postoperative pain control after arthroscopic subacromial decompression: A randomised trial. *Journal of Elbow and Shoulder Surgery*. 2008, 17 (1), p78-84.

Parker SG, Oliver P, Pennington M, Bond J, Jagger C, Enderby PM, Curless R, Chater T, Vanoli A, Fryer K, Cooper C, **Julious S**, Donaldson C, Dyer C, Wyn T, John A and Ross D. Rehabilitation of older patients: day hospital compared to rehabilitation at home (HTA Report: Project Number: 97/26/01).

Robinson CN, van Aswegen A, **Julious SA**, Nunan TO, Tindale WB, Thomson WH, Tout DA, Underwood SR. The relationship between administered

radiopharmaceutical activity in myocardial perfusion scintigraphy and imaging outcome. *Eur J Nucl Med Mol Imaging* 2008 35:329-335.

Sell D, A. John, A. Harding-Bell, T. Sweeney, F. Hegarty, **J. Freeman**. Cleft Audit Protocol for Speech (CAPS-A): a comprehensive training package for speech analysis', *International Journal of Language & Communication Disorders*, First published Sept 2008. URL: <http://dx.doi.org/10.1080/13682820802196815>.

Waylen AL, Metwally M, **Jones GL**, Wilkinson AJ, Ledger WL. Effects of cigarette smoking upon clinical outcomes of assisted reproduction: a meta-analysis. *Hum Reprod Update*. 2009 Jan-Feb;15(1):31-44. Epub 2008 Oct 15.

Other publications (non refereed)

Books

Machin D, Campbell MJ, Tan SB and Tan SH. Sample size tables for clinical studies 3rd ed Chichester. Wiley-Blackwell, pp256, 2008

Freeman J.V., Walters S.J., and Campbell M.J. How to display data. Oxford: BMJ Books, Blackwell pp 108, 2008.

Book Chapters

Jones GL. 'Obesity as an addiction'. in *Obesity and Pregnancy* (eds). RSM Press. 2008.

Reviews

Jones GL, Ledger W, Mitchell C. Suspected premature menopause. *BMJ*. 2008 Apr 12;336(7648):833.

Jones GL, Sutton A. Quality of life in obese postmenopausal women. *Menopause Int*. 2008 Mar;14(1):26-32.

Jones GL, Hall JM, Balen AH, Ledger WL. Health-related quality of life measurement in women with polycystic ovary syndrome: a systematic review. *Hum Reprod Update*. 2008 Jan-Feb;14(1):15-25. Epub 2007 Sep 28.

Invited Conference Talks and seminars

MJC

‘Complex interventions, cluster trials, modelling and complexity’ Aberdeen conference on complex interventions March

‘Sample size calculations: Past, present and future’ Statisticians in the Pharmaceutical Industry one day meeting on sample size calculations, London, April

‘30 years of Medical Statistics what has changed and what hasn’t’ RSS Local Group meeting Edinburgh May

‘A statistician on a NICE Appraisals Committee: a personal view’ Sheffield Department of Probability and Statistics December.

JVF

‘Conducting research into Statistical Education’. Annual UK meeting of Teachers of Medical Statistics. Bristol

‘How (not) to Display Data’. RSS Local Group meeting Sheffield July

‘Innovations in curriculum design: involving subject specialists when teaching statistics to non-statistics students’. University of Lancaster. June

SAJ

Julious SA. Analysis of Safety Data. Plenary talk at the PSI Conference, Brussels, .

Julious SA. Sample size calculations with multiple “and” endpoints. PSI Scientific Meeting on Sample Sizes. London,

SJW

Missing Patient Reported Outcome data in clinical trials: a practical guide. PSI workshop on Advances in Methods for Missing data. RSS, London, October .

GLJ

‘Quality of life in endometriosis’ Endometriosis UK conference (Sheffield, January)

Contributed talks and posters

Talks

Society for Social Medicine Southampton Sept

'Relative Risks, Odds Ratios and Cluster Trials' **MJC**

The impact of Government-set time targets on patient care and outcomes: a retrospective analysis of routine data. **JVF with**, S Mason, S Croft, C Yap, S Cross

PSI Conference, Brussels, 2008.

Issues with indirect comparisons in clinical trials particularly with respect to non-inferiority trials. (SAJ with Wang SJ)

Annual Conference of Royal Statistical Society. Nottingham UK; September,

Models for analysing data from individually randomised trials in primary care with clustering effects due to health professional variation (SJW)

29th Annual Conference of the International Society for Clinical Biostatistics (ISCB). Copenhagen, Denmark; August,

Models for analysing data from individually randomised trials with clustering by health professional. (SJW)

International Conference of Midwifery. Glasgow June

J Freeman, J Munro, P Dowling. The impact of continuity of maternity care on outcomes of labour: an evaluation of the effects of caseload midwifery.

65th meeting of the American Cleft Palate-Craniofacial Association, 2008, Philadelphia, Pennsylvania.

D. Sell, A. John, A. Harding-Bell, T. Sweeney, F. Hegarty, **J Freeman**. Cleft palate audit protocol for speech-augmented: outcomes of a training package for speech pathologists.

Posters

J Otasowie, R Duffy, **J Freeman**, C Hollis. Survey of Antipsychotic prescribing practices amongst child psychiatrists and community paediatricians. Faculty of Child & Adolescent Psychiatry Annual Residential Conference. Liverpool, September 2008.

Walters S.J. How to analyse data from a cluster randomised trial (cRCT) in primary care: a practical guide. Annual Conference of Royal Statistical Society. Nottingham, UK; September, 2008.

Walters S.J.. Models for analysing data from cluster randomised trials. 29th Annual Conference of the International Society for Clinical Biostatistics (ISCB). Copenhagen, Denmark; August, 2008.

Internal Positions

Mike Campbell. Head of Health Services Research Section; University Court.

Steven Julious. Chair of the CTRU and University Senate.

Stephen Walters. Course Director MPH (Health Services Research); the University Senate; Staff Promotion Panel (for Grades 1 to 6); Appeals Committee of Senate and Discipline Committee.

Jenny Freeman. University Court, Faculty Student Review committee, Maths and Statistics Help centre (MASH) steering committee.

External Positions

Mike Campbell is a member of Appraisal Committee C for the National Institute for Health and Clinical Excellence. He completed his terms as a member of Panel C12 (Professions Allied to Medicine) for the Research Assessment Exercise 2008. He was a member of the National Institute for Health Research (NIHR) panel assessing grants for the regional Research Design Services, He continues on the Education Committee of the International Society for Clinical Biostatistics (ISCB). Mike is a member of Data Monitoring and Ethics Committees for the FACS trial (University of Nottingham). He is on the TSG for VULCAN (Anti-microbial treatment for venous ulcers) University of Sheffield.

Georgina Jones continues to be on the Executive Board for the national charity PCOS UK. She is on the Editorial Board for the journal of Health and Quality of Life Outcomes. She is an expert member of the South Sheffield Ethics Committee.

Stephen Walters is a member of and Secretary to Royal Statistical Society Medical Section Committee. He is also a judge for Royal Statistical Society Manchester Student Project Prize and a member of the conference organising committee for RSS 2009. In November 2008 Stephen joined the Public Health Interventions Advisory Committee (PHIAC) of the National Institute for Health and Clinical Excellence. He is also a member of the Editorial Board for the journal of Health and Quality of Life Outcomes and a member of the International Advisory Board for the journal of

Quality of Life Research. Stephen is an independent statistician member on four trial data and safety monitoring committees: Control of Hypertension and Hypotension Immediately Post Stroke (CHHIPS) study; Continue Or Stop post-Stroke Antihypertensives Collaborative Study (COSSACS) Data and Safety Monitoring Committee a randomised controlled trial of excisional surgery versus imiquimod 5% cream for nodular and superficial basal cell carcinoma (SINS) , Early Labour Support and Assessment (ELSA) Trial Steering committee a multi-centre RCT, funded by the NHS Service Delivery & Organisation of Care Programme. He is also a member of the Scientific Review Panel for Sheffield Health & Social Research Consortium.

Steven Julious is a member of the Advisory Board for Pharmaceutical Statistics and was the chair of the Drug Information Association (DIA) Statistics Meeting in 2008. Statistical advisor for NICE for companies seeking advice on their clinical programs from NICE

Jenny Freeman is a member of the Royal Statistical Society Medical Statistics committee and is the Medical Statistics examiner for the Royal Statistical Society.

Refereeing

Both Mike Campbell and Stephen Walters are reviewers for the BMJ, whilst Jenny Freeman is a statistical referee for the BJGP, the Journal of Health and Social Care and the Statistics Education Research Journal. Stephen has acted as a referee for the following: Quality of Life Research; Statistics in Medicine; Pharmaceutical Statistics; Health and Quality of Life Outcomes; International Journal of Surgery; Medical Research Council (MRC) Clinician Scientist Fellowship Scheme and the NHS R & D Health Technology Assessment (HTA) Programme; NIHR Programme Grants Scheme. GLJ is a reviewer for the academic journals, Family Practice, British Journal of Obstetrics & Gynaecology, European Journal of Obstetrics & Gynecology, Journal of Clinical Epidemiology & Public Health, Health & Quality of Life Outcomes, Quality of Life Research, International Journal of Clinical Practice and Social Science & Medicine. Steven Julious is a reviewer for many journals including Pharmaceutical Statistics, Statistics in Medicine and Statistical Methods in Medical Research and is a reviewer for the HTA, MRC and the RfPB programs.

Clinical Trials Research Unit

The Medical Statistic Group plays a key role in the success of the CTRU enabling it to grow from just one person (Steven Julious) to sixteen today. Mike Bradburn is whole time in the CTRU and Steven Julious is 20%. However the whole group contributes to the CTRU: writing grants; sitting on steering committees, providing advice.

One of many highlights this year is the rolling out of the Randomisation System for the CTRU which was developed by Steven and Mike. Previously ScHARR has had to pay up to £30,000 for a randomisation for a trial but now we have the facility in house.

Research Awards and Grants (both new and ongoing)

In 2008 the Medical Statistics Group worked on **39** new grant applications, to various funders, from outline stage to full application. Of those that made it to full application a total of **£43 million** was applied for. This resulted in 11 new research grants with a value of approximately **£9 million**. The successful and ongoing grants are given below.

New

SDO Enhancing the effectiveness of interprofessional working: costs and outcomes. Enderby P (PI), Nancarrow S, Moran A, Smith A, Ellis L, Parker S, Campbell MJ, Akehurst R. £335,135.

UniPath M Campbell (PI), R Eastell .Unipath. Statistician to analyse data on osteoporosis. £153,361.

NHS NIHR Research for Patient Benefit programme. Evaluating cost effectiveness of computer therapy compared with usual stimulation for people with long standing aphasia: a pilot study. Palmer R, Julious S, Enderby P, Cooper C, Dixon S, Marshall M and Mortley J. (PB-PG-1207-14097), 2008, £250,000.

NHS NIHR Health Technology Assessment Programme. Infrastructure support for Clinical Trials Research Unit. Cooper C (PI) and Julious S. £600,000 (for 3 years to be reviewed and annually re-awarded depending on performance targets for the Clinical Trials Research Unit), 2008.

NHS NIHR Yorkshire and Humber Research Design Services (YHRDS) £5,000,000 Steven Walters, Co-applicant, 60 Months 2008-2013, Funding body: NHS National Institute for Health Research Principal Investigator: Professor R. Akehurst.

NHS NIHR Research for Patient Benefit (RfPB) programme Extension of mammographic breast screening to the over 70s: Assessment of efficacy, practicality and patient preferences £228,299 Stephen Walters 2007-2010 Principal Investigator: Dr Lynda Wyld.

NHS NIHR HTA Clinical Trials A randomised controlled trial and cost-effectiveness evaluation of "booster" interventions to sustain increases in physical activity in middle-aged adults in deprived urban neighbourhoods Stephen Walters £1,200,000 Co-applicant 48 Months 2008-2012 Principal Investigator: Dr Elizabeth Goyder.

NHS NIHR Research for Patient Benefit (RfPB) programme The long term effectiveness of 40% salicylic acid plasters on corns an RCT £250,000 Stephen Walters Co-applicant, 2008-2011 Principal Investigator: Professor Wesley Vernon.

NHS NIHR Research for Patient Benefit Randomised controlled trial of a brief psychological intervention for non-epileptic seizures (NES) £185,814 Mike Bradburn Co-applicant 26 Months 2009-2011 Principal Investigator: Marcus Reuber.

MS Society JV Freeman. Computerised cognitive behavioural therapy for treatment of depression in people with MS: pre-clinical trial exploratory study (PI Cindy Cooper). Total £213k.

NHS NIHR HTA SA Julious. Randomised Assessment of Treatment using Panel Assay of Cardiac markers (RATPAC) (PI S Goodacre). £716,500.

Diabetes UK JV Freeman. Kids In Control OF Food: A multi-centre, cluster randomised controlled trial comparing structured education (the KICK-OFF course) with standard care in 11-16 year olds with Type 1 Diabetes (T1DM) on intensive insulin therapy. (PI: K Price) £1,427,000.

National Osteoporosis Society JV Freeman. Genetic and architectural associations in children who do or do not fracture (PI: Prof N Bishop). £126,191.

SDTH GL Jones Various Grants Small Grant Scheme £13, 375.

Ongoing

MJ Campbell 3Mg A trial of nebulised versus injected magnesium for acute asthma attacks (3Mg) (PI SGoodacre) Total £1,110,333 3 yrs Funding Body NHS HTA.

MJ Campbell . Improving management of Type 1 diabetes in the UK: the DAFNE programme as a research test-bed (PI S. Heller) Total £1,983,000 over 3 years Funding body NIHR Programme Grant.

MJ Campbell.The development and evaluation of the effectiveness of a patient decision aid (PtDA) to improve decision quality and health outcome in type 2 diabetic patients making treatment choices (PI N Mathers), Total £250,000 over 2 year Funding Body HTA Research for Patient Benefit.

JV Freeman. Breast Cancer Aftercare: Preparing patients for discharge from routine hospital follow up (PI Joanne Thompson). Total £86k. Funding body: Weston Park Hospital Cancer Appeal.

SJ Walters A randomised 2x2 trial of community versus hospital rehabilitation followed by telephone or conventional follow up; impact on quality of life, exercise capacity and use of healthcare resources. £400,000. 48 months 2002-2006 Funding body: NHS R & D HTA PI: Dr R. Lawson.

SJ Walters Comparison of review methods for evaluating quality and safety in health care £472,000 36 months 2004-2007. Funding body: Department of Health PI : Prof. A. Hutchinson.

MJ Campbell Does self monitoring of blood glucose as opposed to urinalysis provide additional benefit to newly diagnosed individuals with Type 2 diabetes receiving structured education? 2006-7. Funding Body: Diabetes UK £12, 750 PI Simon Heller.

GL Jones (PI). Treatment for endometrial & vulval cancer: Measuring outcome from the patients' perspective. 27 months Feb 2007 – May 2009. Funding body Weston Park Cancer Hospital, £45, 072.

GL Jones (PI) A pilot study to develop a new chronic pelvic pain questionnaire Pfizer. £10, 000. 24 months.

GL Jones (PI) .Understanding why women present late for antenatal booking: a qualitative analysis Sheffield Health and Social Care Research Consortium £36, 484.

GL Jones (PI) The development of two postnatal health questionnaires: one for mothers and one for their partners. Sheffield Health and Social Care Research Consortium. £79,000 (March 2003 – July 2007).