Annual Report 2012

The Medical Statistics Group
Health Services Research Section
School of Health and Related Research (ScHARR)

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Preface

The Medical Statistics Group (MSG) is located within the Design, Trials and Statistics (DTS) 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 (RDS) 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 Research Excellence Framework (REF) (the successor to the Research Assessment Exercise) 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 (through the MSc in Statistics with Medical Applications).

The Group operates in three main areas of research, teaching and consultancy.
Highlights of 2012

We have a strong list of peer reviewed publications with 47 joint-authored papers in 2012 (54 in 2011) and a further 11 non-refereed papers, letters or reviews. We also have a strong list of successful grant collaborations worth approximately X.

In 2012 the Medical Statistics Group worked on 20 new grant applications, to various funders, from outline stage to full application. This resulted in 8 new research grants with a value of approximately £11.4 million (£4.9M in 2011).

This year in particular Steven Julious awarded £486,500 as Chief Investigator on the PLEASANT trial, Munya Dimairo was awarded a NIHR doctoral fellowship and Mark Strong was awarded a post doctoral NIHR fellowship. Jenny Freeman won a prize for her series of articles to ‘Scope’.

In August the Medical Statistics Group left the Health Services Research Section, and became part of the new Design, Trials and Statistics (DTS) Section in ScHARR. This new section joins us with the Clinical Trials Research Unit (CTRU) and the National Institute for Health Research (NIHR) Research Design Service for Yorkshire and the Humber (RDS YH). Stephen Walters is the new Head of Section. Also in August Mike Campbell became the new director of Postgraduate Research, for ScHARR, succeeding Professor Alicia O’Cathain. He stepped down as head of the Medical Statistics Group and Steven Julious took over.

The DTS section aims to design, conduct, analyse and report high quality randomised controlled trials (RCTs) and other studies to evaluate the clinical and cost-effectiveness of new services, therapies and health technologies. The DTS section has nearly 50 staff and attracts over £3 million per annum of external research income to the University. Several members of the MSG are jointly funded by CTRU research contracts and the NIHR RDS YH contract.

We had a great year for promotions: Steven Julious has been promoted to Professor, Jeremy Dawson to Reader, Mark Strong to Clinical Senior Lecturer and Munya Dimairo to Grade 7.

We saw a number of new appointments and departures associated with our group. Amy Whitehead joined as a PhD student supervised by Steven Julious. Ellen Lee, a research assistant within the CTRU, left to do voluntary work in India and Georgina Jones moved to the HEDS section.

The activities of members of the MSG demonstrate a national and international reputation. Mike Campbell continues on the NIHR Health Services Research Board.
He was on the organising committee for the International Society for Clinical Biostatistics conference in Bergen, and organised a session on hospital mortality. He was recently elected as Chair of the Medical Section of the Royal Statistical Society, with Dawn Teare as Secretary. Jenny Freeman also plays a prominent role in the Royal Statistical Society being a Chair of the local group, a member of Council and a member of the professional affairs committee. Steven Julious continues to sit on Appraisal Committee D of NICE.

Mike Campbell and Stephen Walters continue to write "A practical guide to the design and analysis of clustered randomised trials for health-care evaluation". Steven Julious and Stephen Walters are writing a book “A medical statistics pocket handbook”.

In response to student demand we have also expanded our teaching by creating two new statistics modules for PGT students: HAR6045 Further Statistics for Health Science Researchers and HAR6042 Introduction to Statistics for distance learning students. Mike Campbell also created HAR688 Further Clinical Trials for the International Health Technology Assessment (IHTA) MSc which will run in Spring 2013.

The members of the MSG make a significant contribution to the teaching, knowledge transfer and research activities of ScHARR. The statisticians, in the MSG, currently co-ordinate eight statistics modules: HAR6035 Introduction to Statistics which accounts for 20% of the core teaching on the MPH (Walters, 95 students); HAR6036 Statistics for Medical & Health Sciences which accounts for 20% of the Intercalated BMedSci degree and so 20% of the fees of the medical students on the course (Julious, 68 Students); HAR6039 Statistics for Clinical Research (Teare, 21 students); HAR6042 (Walters, 30 students); HAR6045 (Dawson, 15 students); MAS6061 Epidemiology (Freeman, 17 students); MAS6062 Further Clinical Trials (Campbell, 10 students); HAR688 Further Design and Analysis of Clinical Trials (Campbell, 3 students); MED6008 (Statistics component of) Practical Laboratory Training (Teare, 50 students) plus the statistics component of the MbChB degree (Freeman, 250 students). Campbell is also course director of the MSc in Statistics with Applications in Health (MAST21 with 17 current students).

The core members of the MSG are prolific writers with an excellent publication record. A substantial proportion of these papers are in journals with an international reputation and/or high impact factor such as the BMJ, Cancer, Health Technology Assessment, Quality of Life Research, Thorax and Pharmaceutical Statistics. The group contains some of the highest cited authors in ScHARR.
The Medical Statistics Group

Mike Bradburn (MB)  Senior Statistician (CTRU)
Mike Campbell (MJC)  Professor of Medical Statistics
Jeremy Dawson (JD)  Reader in Health Management
Munyaradzi Dimairo (MD)  Statistician (CTRU/NIHR RDS YH)
Jenny Freeman (JF)  Senior Lecturer in Medical Statistics
Alex Hayman  Statistician (CTRU/NIHR RDS YH)
Richard Jacques (RMJ)  Research Associate
Georgina Jones (GL)  Senior Lecturer in Social Sciences (Jan-August)
Steven Julious (SAJ)  Professor of Medical Statistics
Ellen Lee (EL)  Statistician (CTRU/RDS) (Jan-Oct)
Neil Shephard (NS)  Statistician (CTRU)
M. Dawn Teare (MDT)  Senior Lecturer in Genetic Epidemiology
Stephen Walters (SJW)  Professor of Medical Statistics and Clinical Trials
Ben Sully (BS)  Trainee Statistician

Members of ScHARR with an Interest in Statistics

Jon Nichol (JPN)  Dean of ScHARR
Alicia O’Cathain (AOC)  Professor of HSR
John Stevens  Deputy Director, CHEBS
Tracey Young (TY)  Senior Lecturer
Mark Strong (MS)  Senior Clinical Lecturer
Dave Saxon (DS)  Research Associate

HSR  HEDS  Public Health  Mental Health
Teaching 2012 by the Medical Statistics Group

Undergraduate
Statistics to MBChB (Mark Strong with SAJ, SJW, JF, MB MJC, RMJ)

Undergraduate/Postgraduate
Statistics for the Medical and Health Sciences (HAR6036) (SAJ with SJW, JF, MJC, RMJ, BS)

Postgraduate
An Introduction to Statistics and Critical Appraisal (HAR6035) (SJW with MJC, JF, SAJ, TY, RMJ, MDT, MD, NS, MB)
MSc Clinical Research: Introduction to statistics for clinical research (HAR6039) (MDT with SJW, JVF, SAJ, RMJ)
MSc Medical Statistics: Statistical Methods in Epidemiology (MJC, JVF, MDT)
MSc Medical Statistics: Further Clinical Trials (SAJ with SJW, MB)
MSc Health and Social Care (distance learning) (including RTP and MSc in Psychological Research Students) (MJC, MB)
MSc Molecular Medicine: Practical Laboratory Training (MED6008)( MDT shared with Phil Watson)

Other Teaching
Specialist Registrars short course (MJC, JF, SJW, MDT, MB, NS)
MPH (HSR) Promoting evidence based health care (MJC)
HAR674 Randomised Controlled Trials (SJW)

PhDs who submitted this year
Jennifer Lai (full time): supervised by SAJ, JVF & Suzanne Mason
Elton Chanakira (full-time): supervised by Liddy Goyder (Public Health), JVF & Alicia O’Cathain
Kadija Rantell Supervised by MJC and SJW

MPhils who submitted this year
Joseph Akanuwe: supervised by Liddy Goyder & SAJ

Ongoing PhD Students
Mamdooh Alonazi (full-time): supervised by Allan Hutchinson JVF & Rachel O’Hara
Mubashir Arain (full time): supervised by Jon Nicholl & MJC
Kay Bowen (full time): supervised by GLJ, DOC Anumba Victoria Brennan (full time): supervised by GLJ, SC Radley, Dixon S
Aliereza Dastgheib (joint location, full-time) supervised by MDT and Alison Gartland
Olga Flores (part-time): supervised by Sarah Barnes & JD
James Fotheringham(full time) supervised by MJC and Meguid el-Nahas (Kidney Unit)
Ibrahim Gosadi (full time) supervised by MDT and Liddy Goyder.
Rosalind Haddrill (part-time): supervised by Jones GL, Anumba DOC Mitchell C

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Sarah Hargreaves (full time): supervised by Mark Hawley and MJC
Claire Hill (part-time) supervised by Wendy Baird and SJW.
Nick Latimer (full time): supervised by Ron Akehurst, MJC, & TY
Chris Littlewood (full time NIHR fellowship) supervised by SJW, Sue Mawson & Stephen May
Feng Lui (part-time): supervised by SAJ & SJW
Sajid Mahmood (full time): supervised by JVF & SAJ
Paul Mahoney (part-time) supervised by SAJ and MJC
Fivos Papmalis (part-time, remote location) MDT and Froso Kalyva (SEERC)
Brian Reddy (full-time): supervised by SJW and Praveen Thokala and Mike Kelly
Mohamed Shaklandi (full time) Kostas Triantyfylopolous and MJC
Lyn Taylor (full time) supervised by MDT, Gerry Wilson and JVF.
Amy Whitehead (full time) supervised by SAJ and Cindy Cooper

MSc Medical Statistics Dissertations
Kate Daniels. Heart Disease Referrals and Heart Disease Prevalence in Sheffield
MJC merit
Jessica Evans Circadian Rhythm and Cortisol MJC Distinction
Ian Jeffreys Corticosteroid Sparing: An Exercise in Handling Missing Data to
Manage Bias in Treatment Effect MB merit
Ruth Staunton The potential use of inbred populations in the genetic epidemiology of
complex traits MDT merit
Sharon Harden Evaluation of candidate modifier genes in carriers of BRCA1 and
BRCA2 mutations: An analysis of ovarian cancer risk MDT merit
Tom Morris. Sample sizes for accelerated failure time models. SAJ distinction
Azita Rajai. Predicting a future trial based on the results of a current trial. SAJ pass
Avie-Lee Coney. What predicts caesarean section? JVF

MPH
Omotola Oni Postnatal depression and health related quality of life SJW

Research Attachments
SSC: Iain Ruddick and Joe Scott Online Epidemiological resources. MJC and JVF

PhD Internal examining
SJW Joseph Akanuwe (MPhil)

SAJ James Fotheringham upgrade

External examining PhD

MJC
Mohammed Rahman: Validation measures for prognostic models for independent and
correlated binary and survival outcomes UCL
Lisha Deng: Analysis of Patient-Safety related data using Statistical Modeling.
Lancaster

SJW
Bola Emmanuel Egbewale, University of Keele,
Andrew Blance, University of Leeds,

**External examining MSc**
MJC MSc Medical Statistics, University of Leicester

JF MSc Statistical Epidemiology University of Leeds, Postgraduate Medical Statistics (various courses) University of Central Lancashire

SJW MSc Public Health & Health Services Research. University of Newcastle

**External Courses**
*Cluster Randomised Trials*. One day Erasmus Winter Course, Rotterdam (MJC)
*Scale Development*. Two day course for the Center for Advancement of Research Methods and Analysis, Rotterdam (JD)

**Medical Statistics Group peer-reviewed publications 2012 (n=47)**


management programme (DESMOND) for people with newly diagnosed type 2 diabetes mellitus: three year follow-up of a cluster randomised controlled trial in primary care. *BMJ* 344 e2333


versus rubber band ligation (RBL) for haemorrhoids. BMC Gastroenterology 12, 153+.


**Publications by statisticians associated with the Medical Statistics Group**


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**Book Chapters**


Lai J, Julious S, Mason S and Freeman J. A retrospective case-control study investigating the association between pollutant exposures and childhood asthma (Book Chapter). In Air Pollution XX. Longhurst JWS and Brebbia (eds). 2012. WIT Press, Southampton

**Letters**

MJC Rapid Response to Hackshaw. A confusion of Bayesian and Frequentist arguments http://www.bmj.com/content/343/bmj.d3340.full/reply#bmj_el_267861

**Non-refereed Journal Articles & Reports**

How deviant am I? Web article in Significance with Erik Cobo


Wilson, EF, Reeve JMK, Pitt AH, Sully BG and Julious SA. INSPIRES: Investigating a reusable sanitary pad intervention in a rural educational setting - evaluating the acceptability and short term effect of teaching Kenyan school girls to make reusable sanitary towels on absenteeism and other daily activities: a partial preference parallel


Invited Conference Talks and Seminars

MJC

A statistician on a NICE Appraisal Committee: a personal view. MRC Clinical Trials Unit London March

Pilot and feasibility studies. Manchester Biostatistics Series March

A statistician on a NICE Appraisal Committee: a personal view. University of Warwick Seminar series June

‘Ethical issues with sample size calculations’ Health Research Authority, London, Oct

‘Use of the summary Hospital Mortality Index in England’ Public Health Trainees Nottingham Oct

6th International Conference on Pharmaceutical Medicine Congreso AMIFE 2012 Barcelona.: Problems with extrapolation of survival curves for health economic evaluation of NICE appraisals Nov

‘Development of the Summary Hospital Mortality Index’ Public Health Dept, Cataluyna Nov

RMJ

‘Background and derivation of the new Summary Hospital-Level Mortality Index’ RSS Sheffield Local Group, Mar

‘ONS Linkage for 30 Day Mortality Outcomes’ Trauma Audit & Research Network Focus Group Meeting, Jul

SAJ


Julious SA. Issues for consideration when setting a non-inferiority limit for a clinical trial. International Conference on Pharmaceutical Medicine, Barcelona 2012

Julious SA. Sample size calculations for binary data. PSI Scientific Meeting on New Technologies Impacting Trials, Reading 2012

Contributed talks and posters

MJC

‘Asthma consultations and school terms in England and Scotland’ Causality and longitudinal workshop, Bristol. March

‘Medical statistician: an oxymoron? Balancing teaching and research: reflections over 30 years’. ‘Burwalls’ Teachers of Medical Statistics Manchester July

‘Harold Shipman and Statistics’ Seminar to Academic Unit of Primary Care, Sheffield Nov

MB

Sample size calculation for time-to event outcomes in randomized trials: The perfect storm? ISCB 2012, Bergen, Norway

RMJ

Casemix adjustment for comparing standardised event rates.
ISCB 2012, Bergen, Norway.

JD

Engagement as a mediator of the HRM-performance link in hospitals. HSRN Symposium, Manchester, June 2012

SAJ

**Internal Positions**

Mike Campbell. Director of Postgraduate Research, ScHARR, University Court, University Senate, Course Director MSc Statistics with Medical Applications.

Steven Julious Chair of the CTRU, University Senate.

Stephen Walters University Senate; University of Sheffield’s Staff Promotion Panels (for Grades 1 to 6); University of Sheffield’s Appeals Committee of Senate and Discipline Committee; Senate representative on the University of Sheffield Faculty Promotion Panels, for Grades 8 & 9.

Jenny Freeman. Deputy Director of Teaching for HSR (Jan –July) ScHARR. University Court, Faculty Student Review committee, Maths and Statistics Help centre (MASH) steering committee & Management group. Examinations officer for ScHARR. Course director for MSc in Medical and Health Sciences.

M. Dawn Teare. Quality and Progression Officer – ScHARR PGR Committee.

**External Positions**

Mike Campbell continues on the Education Committee of the International Society for Clinical Biostatistics (ISCB). He is a member of the NIHR HSR Commissioning Board. He is on the scientific committee for the Foundation for the Study of Infant Deaths. He is an member of the international Board for CSTAR(Centre for Support and Training in Analysis and Research) for the Republic of Ireland. Mike is a member of Data Monitoring and Ethics Committees : SHIFT trial (University of Leeds), the ZiPP trial (University of Edinburgh), Hypocompass (Newcastle) and the Families for Health Trial (Warwick). He is Chair of the Medical Statistics Section of the Royal Statistical Society.

Stephen Walters is a member of the Public Health Interventions Advisory Committee (PHIAC) of the National Institute for Health and Clinical Excellence; East Midlands Regional Funding Committee for the NIHR RfPB programme and the NIHR Health Technology Assessment Clinical Evaluation and Trials Board; NIHR Health Technology Assessment programme Commissioning Strategy Group.

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 also a member of the TSC/DMECs of four trials: Healthy Eating and Lifestyle in Pregnancy (HELP) ; Randomised controlled trial, economic and process evaluation of domiciliary welfare rights advice for socio-economically disadvantaged older people recruited via primary health care (DO-WELL Trial) (Chair of TSG); Prevention of Fall injury trial (PreFIT) (chair of DMEC); and the CASPER study Data and Safety Monitoring Committee. A parallel group randomised controlled trial of collaborative care vs usual care from the GP in improving mental well-being in over 75s
Steven Julious is a member of the Editorial Advisory Board for the journals Pharmaceutical Statistics and Statistical Methods in Medical Research. Steven is a member of Appraisal Committee D for the National Institute for Health and Clinical Excellence. Steven is also on the DMCs of three trials the MUSTARDD trial, the Help Trial (of which he is chair of the DMC) and the SABRE trial.

Jenny Freeman is a member of the Royal Statistical Society Council, and is chair of the Royal Statistical Society local group. She is a member of the Trial Steering Committee for the VENUS IV trial for the treatment of leg ulcers (University of York) and is a member of the Scientific Review Panel for the Sheffield Health and Social Care Consortium. She is on the editorial board for Nephron: Clinical Practice.

Jeremy Dawson is an associate editor for the Journal of Occupational and Organizational Psychology, and is a member of the editorial boards for Organizational Research Methods, British Journal of Management, European Journal of Work and Organizational Psychology, and the Journal of Personnel Psychology. He is a member of the international advisory board for the Center for Advancement of Research Methods and Analysis (CARMA), a USA-based institute for research methods in the social sciences.

Dawn Teare is secretary for the Royal Statistical Society Medical Section Committee. She is in her second year of membership of the NIHR-RfPB Yorkshire and Humberside Funding Committee and was a member of the panel for the Medical Research Charities Group (MRCG)/HRB Joint Funding Scheme 2012. Dawn also co-organised the two-day research meeting on consanguinity at the European Genetics Foundation in Bologna, Italy in May 2012. Dawn is on the Data Monitoring and Ethics Committees for the trials ASSSIST and cCBT.

**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. Jeremy Dawson reviewed for Applied Psychology, Journal of Health Services Research and Policy, Human Resource Management Journal, Human Relations, Health Care Management Review, and for the NIHR Health Services and Delivery Research (HSDR) Programme. GLJ is a reviewer for the academic journals, Family Practice, British Journal of Obstetrics & Gynaecology, European Journal of Obstetrics & Gynaecology, 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. Mike Bradburn is a reviewer for Statistics in Medicine, Pharmaceutical Statistics & the Stata Journal, and several NIHR funding bodies. Richard Jacques is a reviewer for BMJ Supportive and Palliative Care. MDT is a
Clinical Trials Research Unit

The Medical Statistic Group plays a key role in the success of the CTRU. Mike Bradburn, Munyaradzi Dimairo, Neil Shephard, and Alex Hayman work within the CTRU, however the whole group contributes to the CTRU through input to grant applications and in an advisory capacity.

Research Awards and Grants (new and ongoing)

New


NIHR HTA HubBL (Haemorrhoidal Artery Ligation versus Rubber Band Ligation for haemorrhoids.) £883,297 PI Steve Brown, (NGH) 2012-2015 Co-applicants N Shephard, M Bradburn


MRC A randomised controlled trial of the 'Health in Early Feeding Scheme' to improve breastfeeding in neighbourhoods with low 6 week breastfeeding rates £1,308,297 PI C Relton Co-applicants: Meier, Renfrew, Fox-Rushby, Pokhrel, Burrows, Strong, Walters.


National Institute for Health Research NIHR Research Design Service for Yorkshire and the Humber (RDS YH) (PR-RD-0312-10004) £5,249,702 PI Wendy Baird Co-applicants: Dixon, Brown, Torgerson, Birks, Boote, Twiddy, Richardson, Hulme, Young, Wailoo, Walters

MRC Developmental Pathway Funding Scheme (DPFS) Assessing the Risk of Spontaneous Premature Birth by Electrical Impedance Spectroscopy of the Cervix. MR/J014788/1 £622,047 PI: Dr D. Anumba. Co-applicants: Brown, Dixon, Stafford, Jones, Walters

Medical Research Council - National Prevention Research Initiative. Time to change! Using the transition from school to university to promote healthy lifestyle habits in young people (U@Uni). £542,899 PI : Norman P Co-applicants: Brennan A, Ciravegna F, Harris P, Julious SA, Meier PS, Naughton D, Petroczi A, Sheeran P and Webb T.

NIHR Doctoral Fellowship. Adaptive designs in publicly funded research: £194,000PI: Dimairo M, Co-applicants: Julious SA, Nicholl J and Todd SC.

NIHR Post-doctoral Fellowship. Decision making under uncertainty in a complex world. Determining when a health economic decision model is good enough for a complex decision problem via quantification of model uncertainty. PI Mark Strong.

Ongoing

NIHR programme Grant. Developing new ways of measuring the impact of ambulance service care, PHOEBE – Pre Hospital Outcomes for Evidence Based Evaluation. £1.98M Campbell M, Co applicant Principal Investigator N Siriwardena and J Turner.


NIHR RfPB. Replacing conventional spine radiographs with dual energy x-ray absorptiometry in children with suspected reduction in bone density (PB_PG-0110-


NIHR HTA SABRE (hypertonic Saline in Acute Bronchiolitis Rct and Economic evaluation) £672,014. co-applicant. PI Dr Mark Everard, Sheffield Children’s hospital 2010-2012 J Freeman co-applicant

Macmillan Cancer Care. Acknowledging the importance of economic well-being and returning to work after cancer treatment: the role of an OT. £80,000. PI Diana Greenfield. J Freeman co-applicant

HTA MERIDIAN In utero magnetic resonance imaging of fetal brain abnormalities Griffiths C, Robson S, Campbell MJ, Cooper C Reeves M and Graham M (1.9M)


NIHR HTA Head Injury Transportation Straight to Neurosurgery (HITS-NS): feasibility study. Fiona Lecky, University of Manchester (PI) J Freeman co-applicant. £748,889

SHIRE Pharmaceutical collaboration Assessing the impact of a child with ADHD on the health and well-being of their families. S Walters, J Brazier, S Dixon, C Cooper. Approx £400K
NIHR - Bone Metabolism Unit Trials. Eastell R(PI), Cooper C, M Bradburn, Chater T. Approx £140K

NIHR Research for Patient Benefit (RfPB) - Pilot work for a RCT of a brief psychological intervention for non-epileptic seizures (NEST). M Reuber (PI), S Howlett, G Lawton, A House, S Kemp, RJ Brown, M Bradburn £200K


NIHR Research for Patient Benefit (RfPB) PB-PG-0808-17148 The AHEAD Study: Managing anticoagulated patients who suffer head injury. S Mason PI Co-apps_D Teare, Goodacre, Holmes, Stevenson, Ramlakhan. £230K over 2 years


NHS 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

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

NHSNIHR HTA Clinical Trials Stephen Walters co-applicant. 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 £1,200,000 Co-applicant 48 Months 2008-2012 PI: Elizabeth Goyder

Weston Park Hospital Cancer Charity Cancer Survivors: models of follow-up care. 2009-2012. £188,840. S J Walters co-applicant. Principal Investigator: Dr D. Greenfield

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.


NHS HTA 3Mg MJ Campbell Co-applicant A trial of nebulised versus injected magnesium for acute asthma attacks (3Mg) (PI SGoodacre) Total £1,110,333 3 yrs
NIHR Programme Grant MJ Campbell co-applicant. 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 5 years
