CEMPH is leading two new NIHR Health Service & Delivery Research Programme grants. The first, led by Paul McCrone, aims to compare the characteristics, service use and costs of patients with severe mental illness (SMI) who are managed in primary and secondary mental health care and to evaluate different interventions (provided in the London Borough of Lambeth) to facilitate the transition from secondary to primary led care. People diagnosed with a SMI will often receive care from a number of services based on their specific needs but little is known about how changes in the location of care will affect their mental health care experiences. This study will demonstrate how specialist mental health care data can be linked to primary care data and other healthcare databases. Establishing patterns of care for people with SMI managed in primary and secondary care settings, and those recently transferred to primary care and the costs associated with this care will provide important information to commissioners and others as to the potential savings that may be made, given different approaches to care. It will also serve future research activities where knowledge of ‘base-case’ costs is required against which costs of innovative services can be compared. The second project, led by Sarah Byford, will investigate the cost and cost-effectiveness of alternative models of care for child and adolescent anorexia nervosa. This study will use a naturalistic surveillance design, using the Child and Adolescent Psychiatric Surveillance System, to evaluate the cost and cost-effectiveness of existing community-based models of service provision for child and adolescent anorexia nervosa (AN) and to model the impact of potential changes to the provision of specialist NHS services using decision analytic modelling techniques.
Barbara Barrett has been with CEMPH since 2002. During that time she has contributed to economic evaluations in areas as diverse as autism, depression, schizophrenia, alcohol misuse, and personality disorder. She spent time in prison and secure hospitals working on an evaluation of a programme for dangerous offenders, which eventually contributed to her PhD on economic evaluations in secure settings. Currently, on a Monday, Tuesday and Friday, Barbara can be found at her CEMPH desk working on cost-effectiveness analyses of CBT for health anxiety, brief advice for people attending sexual health clinics, lamotrigine for borderline personality disorder and psychological therapies for children and adolescents with depression. She usually wishes there were more days in the week.

Renee Romeo has been with CEMPH since 2002, initially joining as an MSc student placement while she was reading for her postgraduate MSc in Economic Evaluation in Health Care at City University. This placement involved conducting an economic evaluation of parenting management training for children with conduct disorder. Renee has since completed her PhD which applied the techniques of economic evaluation to intellectual disability policy and practice questions. The aim of the thesis was to contribute to the evidence base, and policy discussion, by exploring the economic implications of introducing interventions to service users with an intellectual disability. Currently, she provides health economics expertise, spanning a range of study designs across a wide range of populations including but not limited to those with intellectual disability, autism, and dementia. Recent work has involved exploring the cost effectiveness of antidepressants for depression in dementia and being part of a research team to generate (and test) a preference-based index from a disease-specific outcome measure for use in economic evaluations. In addition to lecturing on health economics courses at King’s, Renee is also a PhD supervisor.

Martin Knapp is Professor of Health Economics at CEMPH and also holds appointments at the London School of Economics as Professor of Social Policy, Director of the Personal Social Services Research Unit and Director of the NIHR School for Social Care Research. His research and teaching activities range across a number of subjects. For many years he has been working in the fields of long-term care, social care more generally and mental health policy and practice. Current activities include economic evaluations of a wide range of treatments and other interventions in the mental health and related areas; and analyses of health and social care policy, in the UK and elsewhere. He has authored or edited 16 books, more than 400 papers in peer-reviewed journals and many book chapters and reports. His work has had impacts on policy and practice discussions in the mental health and long-term care areas, both in the UK and elsewhere. He used to wish there were more days in the week until he discovered time travel and human cloning!!
Recent project news

New projects

- Pre-school autism intervention and autism development: a longitudinal follow up of the preschool autism communication trial (PACT). Long-run follow-up of young people who participated in an RCT of a pre-school communication-focused therapy for pre-school children with autism (Green et al 2010, Lancet, 375, 2152-2160). Follow-up will take place in the early school years (ages 7 to 11) and will include assessment of the child’s language and communication, other symptoms of autism and social integration, child’s functioning and family life, and the cost of care, including the burden on carers. (Funded by the Medical Research Council). http://www.bbmh.manchester.ac.uk/pact/PACT7-11/


- CEMPH is contributing to a Wellcome Trust-funded study (AVATAR) that commenced recently to evaluate an audio-visual assisted therapy aid for people with refractory auditory hallucinations. The project, led by Professor Tom Craig at the IOP, will include an economic component to assess cost-effectiveness over a six-month period.

Recent publications


This paper describes the economic impact of the Time to Change (TTC) anti-stigma social marketing campaign. Data collected for the evaluation of TTC were combined with campaign expenditure data to investigate differences in knowledge, attitudes and behaviour in relation to campaign awareness. To evaluate the return on investment, we applied a decision model that estimated the impact on employment for people with depression. Based on average national social marketing campaign costs, the economic benefits outweighed costs even if the campaign resulted in only 1% more people with depression accessing services and gaining employment if they experienced a health improvement. The cost per person with improved intended behaviour was at most £4 if we assume the campaign was responsible for 50% of the change. Costs associated with improved knowledge and attitudes, however, were more variable.


The EQOLISE study found the Individual Placement and Support (IPS) approach is effective and cost-effective in helping people with severe mental illness obtain competitive employment.


This study used a decision-tree-based model to assess the costs of early intervention (EI) in children and adolescents with psychosis or at risk of psychosis. The model was populated using data relating to the use of inpatient care and EI service activity for people aged under 18 from an area of North East England. Data were abstracted from the National Health Service clinical reporting systems for 2001–2008. Sensitivity analyses were performed to examine costs associated with the model under different assumptions. EI delivered cost savings of £4814 per patient compared to care provided by generic CAMHS. Cost savings were predominantly a consequence of reduced length of hospital admissions for patients served by the EI team. The findings were robust to sensitivity analyses.


Findings from this RCT are inconsistent with two earlier JCP studies, and show that the JCP is not significantly more effective than treatment as usual. There is evidence to suggest the JCPs were not fully implemented in all study sites, and were combined with routine clinical review meetings which did not actively
incorporate patients’ preferences. The study therefore raises important questions about implementing new interventions in routine clinical practice.

The paper reports the results of an assessment of the validity and responsiveness of the EQ-5D measure of health-related quality of life in a population of adolescents with major depression (n=199). Results provide initial evidence to support the relevance of the EQ-5D in this population, but this evidence is weak.

This methodological paper demonstrates the flexibility that the use of the net benefit approach offers for economic evaluation. A previous economic evaluation of selective serotonin reuptake inhibitors plus supported care for mild to moderate depression was revisited. The authors show that the probability of the intervention being cost-effective is reduced by the inclusion of covariates and is higher among those without a previous history of depression than those with such a history.

2013 Summer Schools

Economic Evaluation Summer School – 5–6 September 2013
The two-day course aims to provide students with an understanding of economic evaluation and its relevance to health policy and practice. The principle elements of an economic evaluation will be introduced, including the identification, measurement and valuation of costs and outcomes and the methods of economic evaluation. A range of examples will be used throughout the course to illustrate economic evaluation in practice, drawn from the work of the course tutors. We are pleased to announce the availability of a limited number of bursaries for this course, funded by the ESRC-supported King’s Interdisciplinary Social Science Doctoral Training Centre; these are available to social science PhD students from other universities. To find out more about this programme, please follow the link: www.kcl.ac.uk/prospectus/shortcourses/index/name/cij4v4jxeconomic-evaluation-in-mental-health/alpha/month/day//header_search/HSPR

Mental Health Policy Summer School – 3–4 September 2013
This two day course will look at the principles of mental health policy and consider examples of their implementation. The 2013 topics are yet to be confirmed, but previous years’ subjects have included: financing and resource allocation; commissioning and governance; need, prevalence and demand; provision and delivery of treatment and support; stigma and discrimination; safeguarding; serious incidents and personality disorder; choice and control; system interfaces (with social care and housing, for example); prevention and promotion. To find out more about this programme, please follow the link: www.kcl.ac.uk/prospectus/shortcourses/index/name/ua3xanfmental-health-policy-2012/alpha/month/day//header_search/HSPR

CEMPH collaborations

Research Design Service London
The Research Design Service (RDS) London provides advice on research design and methods to health and social care researchers who are preparing research proposals for submission to the National Institute for Health Research, Research Councils and charity funding streams. The RDS London is a network of advisors based at four leading academic institutions (King’s College London, Imperial College London, Queen Mary University of London, and University College London). RDS advisors are research active and include statisticians, epidemiologists, health economists, social scientists, and experts in trial design, qualitative methods and Public and Patient Involvement (PPI).
CEMPH is now contributing to the RDS network of advisors through a joint CEMPH and RDS post, held by James Shearer and supervised by Sarah Byford. This collaboration will support the provision of high quality health economics advice through the King’s College London RDS team, increase CEMPH capacity to support good quality research grants and improve cross-disciplinary learning between the partner organisations. James Shearer is also the lead for health economics methods across the RDS London partnership.

NIHR Biomedical Research Centres
CEMPH have recently embarked on programmes of work funded by the two NIHR Biomedical Research Centres located at Guy’s and St Thomas’ NHS Foundation Trust (GSTT) and the South London and Maudsley NHS Foundation Trust (SLaM). The first of these programmes will be focussing on the health economic aspects of transplantation and will be closely associated with the MRC Centre for Transplantation. The second will have a mental health emphasis and will focus on using economic modelling to estimate long term costs of specific conditions and to assess the cost-effectiveness of early stage interventions.
We have recruited two new members to the team, Eleni Theodorou and Huajie (Lily) Jin, to work on these programmes.

**CEMPH Award for Young Women in Science**

We are very pleased to report that we had a larger-than-expected number of applications for the CEMPH Award for Young Women in Science. The Award is aimed at young women aged 15-18 with an interest in economics, and it is an excellent opportunity for qualifying students from the local area to gain practical experience and make valuable contacts for a potential future career in economics. The Award aims to encourage the winners, and applicants, to stay in education and develop a career in science, technology, engineering or maths (STEM). We had a very tough decision when choosing between the amazing applications we received, but we finally chose a winner and a runner up from Sacred Heart School and Sixth Form, a local school in Southwark.

Congratulations to Damilola Adeyanju and Precious Adeyemi.

As we had such a high calibre of applications, we have sent letters of commendation and book tokens to all the remaining applicants. Well done to everyone who applied and a very big thank you to all the teachers who encouraged their students to apply.

Margaret Heslin (the Award creator) and Sarah Byford visited Sacred Heart School to make the award announcement at one of the assemblies and received a warm welcome. Everyone in CEMPH is looking forward to meeting the winner and runner up when they attend the Centre over the summer.

CEMPH are proud to announce the publication of a special health economics issue of the Journal of Mental Health to which several members contributed (see Recent Publications section). This internationally authored set of papers features priority setting in mental health, health technology assessment in Brazil and methodological issues related to assessing costs, outcomes and cost-effectiveness. This special issue is available at: [http://informahealthcare.com/toc/jmh/current](http://informahealthcare.com/toc/jmh/current)

In January of this year Paul McCrone gave a plenary presentation on the economics of dementia at an international symposium on dementia held in Tokyo. During this trip he also took part in a workshop with colleagues and key Japanese healthcare decision makers on developing a Japanese dementia strategy. In March, he was invited to present at the Irish College of Psychiatrists on the economics of early intervention services for people with psychosis.

Sarah Byford has recently been appointed Chair of the Health Service and Population Research Department PhD sub-committee, which currently supports 50 MPhil and PhD students.

Sarah also took part in a celebration of Institute of Psychiatry faculty which included an exhibition of portraits of its 31 internationally recognised women professors [www.kcl.ac.uk/iop/news/records/2013/March/InpiringWomen2.aspx](http://www.kcl.ac.uk/iop/news/records/2013/March/InpiringWomen2.aspx)

Martin Knapp was assigned the “2011-12 Excellence in Mental Health Policy and Economics Research Award” at the opening ceremony of the 11th Workshop on Costs and Assessment in Psychiatry – Mental Health Policy, Economics and Health Care Reforms, Venice, March 2013 for the article: Martin Knapp, Derek King, Andrew Healey, Cicely Thomas. Economic Outcomes in Adulthood and their Associations with Antisocial Conduct, Attention Deficit and Anxiety Problems in Childhood. Journal of Mental Health Policy & Economics 2011; 4(3): 137-147.

**SAPPHIRE SUMMIT: Stigma and Discrimination in Mental Health**

The day-long event on 4th July 2013 is a showcase for disseminating the findings of the Programme Grant “Sapphire: Improving Mental Health Outcomes by Reducing Stigma and Discrimination”.

There will be four symposia on SAPPHIRE findings:
- Understanding discrimination
- Using mass media to counter stigma and discrimination
- Stigma and discrimination and access to healthcare
- Discrimination and employment

There will also be some excellent guest speakers including
- Frank Bruno MBE: Former world heavyweight boxing champion
- Norman Lamb MP: Liberal Democrat Party and Health Minister
- Lord Dennis Stevenson: The Rt Hon the Lord Stevenson of Coddenham
- Charles Walker MP: Conservative Party
- Kevan Jones MP: Labour Party
- Dr. Diana Rose - Service User Research Enterprise (SURE) – Co-director
- Clarke Carlisle – Chairman of the Professional Footballers’ Association & Ambassador for the ‘Kick it Out Campaign’.
- Eleanor Longden - Doctoral Researcher & Intervoice Activist
- Bill McKnight – Poet, Author of ‘Loud Silence’

For programme details, registration and updates please visit the website: [www.sapphire.iop.kcl.ac.uk/SAPPHIREsummit.html](http://www.sapphire.iop.kcl.ac.uk/SAPPHIREsummit.html)
New Appointments

Lily gained a BSc in Medicine in the People’s Republic of China in 2008 and completed her MSc in International Health Policy (Health Economics stream) at the London School of Economics and Political Science in 2009. Following the completion of her MSc, she worked for the National Collaborating Centre for Women’s and Children’s Health as a research assistant and then at the National Collaborating Centre for Cancer as a health economist. During 2009-2012, Lily was involved in the development of four NICE clinical guidelines. Lily joined CEMPH in March 2013 as a senior health economist. Currently she is working on the development of a whole disease model which includes pre-clinical and post-diagnostic pathways for all individuals at risk of developing schizophrenia.

Muralikrishnan (Murali) R Kartha joined CEMPH in January 2013 as the Senior Health Economist at the External Assessment Centre (EAC) for Imaging Technologies, commissioned by the NICE Medical Technologies Evaluation Programme (see our Winter 2012 newsletter for further details). Prior to joining CEMPH, he worked with the NIHR CLAHRC for Cambridgeshire and Peterborough based at the University of Cambridge. He holds a PhD in Health Economics from the University of New South Wales.

Tiago Rua has also joined the above-mentioned EAC for Imaging Technologies and will focus further on new projects linking CEMPH with the Division of Imaging Sciences and Biomedical Engineering. His current role involves assessing: 1) evidence for new/novel medical devices on behalf of NICE; 2) the cost-effectiveness of a novel major imaging technology, PET/MRI; and 3) the adjustment of current imaging/care pathways for specific clinical conditions.

Before joining us, Tiago completed the equivalent to a BSc and MSc in Biomedical Engineering at Minho University (Portugal). He then spent five years working in three international companies (Siemens Medical Solutions, Antares Consulting and Aligned), before deciding to join our team to expand on his knowledge in health economics.

Eleni studied Economics at the University of Macedonia in Greece and did her MSc in Health Economics at City University. She joined CEMPH in January 2013. Currently, Eleni is working on a systematic review of the financial incentives for kidney donation, a cost effectiveness analysis model to determine the optimal treatment for patients with type 1 diabetes mellitus and end stage renal disease, and the cost of illness of type 1 diabetes.

Upcoming jobs

PhD studentship

The Institute of Psychiatry (IoP) is offering one 1+3 (MSc + PhD) full-time award suitable for students from an economics, social sciences, or statistics background.

The proposed PhD project entitled “Development of a preference-based outcome measure for use in economic evaluations of mental health services” is an exciting opportunity to join one of the UK’s leading health economics units, the Centre for the Economics of Mental and Physical Health (CEMPH) and collaborate with one of our clinical partners, the South London and Maudsley NHS Foundation Trust exploring the potential for the development of a new preference-based mental health-specific outcome measure using routinely collected patient-level data. The awards are funded by the Economic and Social Research Council and the South London and Maudsley NHS Foundation Trust. Details can be found on www.kcl.ac.uk/iop/research/pgr/phdstudentships/hspr.aspx. For informal enquiries please contact Prof. Paul McCrone at paul.mccrone@kcl.ac.uk.