**Welcome to the CHE Newsletter**

If you are viewing this newsletter electronically and would like further details on particular topics, click on the icon marked www, or if reading from a hard copy go to our website www.york.ac.uk/che/publications

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**Constant growth in NHS productivity**

Research team: Chris Boijke, Adriana Castelli, Rosalind Goudie, Andrew Street, Padraic Ward

Using the most detailed and comprehensive information available to compare growth in the total amount of resources (input) used to produce health care provided to NHS patients (output), we conclude that the productivity of the NHS in England has been broadly flat over the last seven years, increasing by an average of 0.1% per year.

The research shows that between 2003/4 to 2009/10 there have been increases in all inputs including number of staff, buildings, equipment and clinical supplies. There has been a corresponding increase in the quantity of outputs in terms of number of patients treated in hospital, outpatient attendances, community care and primary care consultations. Quality has also increased as measured by hospital survival rates for both elective and non-elective patients and also by reductions in average inpatient and outpatient waiting times.

All in all, growth in activity and changes in quality have tracked the growth in inputs, implying that productivity has been flat over the seven year period.

Full report CHE research paper 76

**Alan Williams Fellowships - Call for applications**

Applications are invited from researchers, at any stage of their career, wishing to visit the Centre for Health Economics. The value of the fellowship is £5,000, intended as a contribution towards living and travel expenses associated with the visit.

CHE re-launched the Alan Williams Fellowships scheme in 2011. The Fellowships were first launched in 2006 as a tribute to Alan Williams and to enable health economists from anywhere in the world to spend time in CHE.

Deadline for applications is 22 June 2012.

Further information: www.york.ac.uk/che
The importance of prognosis in identifying cost-effective treatment for early breast cancer

Research team: Helen Campbell (HERC, University of Oxford), David Epstein (CHE), David Bloomfield (Sussex Cancer Centre), Susan Griffin, Andrea Manca, Mark Sculpher (CHE).

In the treatment of early breast cancer, surgery is often followed by adjuvant chemotherapy: the use of drugs to reduce the risk of disease recurrence.

Patients differ in their risk of recurrence due to other factors relating to progression and treatment. Consequently, the magnitude of the health outcomes and costs achieved by using a particular chemotherapy regimen differs between patients.

Over time chemotherapy has advanced, but improved effects on recurrence come at a cost when new regimens are expensive and more toxic.

Using a Markov model we produced the first simultaneous cost-effectiveness comparison of all potential adjuvant chemotherapy regimens, including the option to not use chemotherapy, for all types of patient. Second and third generation chemotherapy regimens seemed cost-effective for different types of women, according to the risk of recurrence, and for some older lower risk women, a policy of no chemotherapy appeared cost-effective.

For more information see: www

Incorporating health inequality concerns into cost-effectiveness analysis

On 12 March 2012, Susan Griffin, Richard Cookson, Miqdad Asaria and Mark Sculpher organised a workshop in York to discuss a project (funded by the National Institute of Health Research (NIHR) Public Health Research programme) which focuses on a key issue in cost-effectiveness analysis – how best to incorporate health inequality issues. Attendees included academics and policy makers with interests in income inequalities, health inequalities, public health and cost-effectiveness analysis.

The presentations described a proposed analytical framework for combining both equity and efficiency concerns into cost-effectiveness analysis in a way that makes transparent all the value judgements required to make such an approach possible. The group discussed the theoretical framework and also explored experience based on research using specific case studies.

A guest presentation on ‘Inequality with ordinal data’ was delivered by Frank Cowell, Professor of Economics, London School of Economics.

More information on the workshop including all key documents can be found at: www

Duration modelling versus lifetime incidence of cancer

Researcher: Daniel Howdon

Much of the existing literature on socioeconomic inequalities in the development of cancer focuses on lifetime incidence, rather than age at development (healthy life-years without cancer). Such approaches tend to find no significant socioeconomic inequalities in the disease after lifestyle characteristics, particularly smoking, are accounted for. Our approach adopts duration modelling, using the Health and Lifestyle Survey and its most recent follow-up, in order to model age at development, and compares these results with a lifetime incidence model using the same dataset. We show that, independent of smoking behaviours, while those in lower social classes develop cancer at roughly the same rate over their lifespan as those in higher social classes, they on average suffer from the disease significantly earlier in life.

HEDG working paper 12/06: www
Report on MSc summer placement in CHE by Mohammad Al-Sharayri

'Last summer I undertook a three month placement at CHE undertaking a review of the methods applied to the economic evaluation of social care interventions. CHE was my first choice, due to its international reputation for high quality research. The reality of my placement surpassed my expectations, both in terms of the academic environment and the warm welcome received. I was encouraged to participate fully in the project that I joined, including undertaking analysis, writing a dissertation, organising a workshop and presenting my work. My supervisors worked alongside me and provided valuable guidance that enriched my dissertation. Overall, the placement was a wonderful experience.’

Mohammad now works for the Royal Medical Services in Jordan and is currently undertaking research to measure Health-Related Quality of Life using the EQ-5D in patients with diabetes. His placement in CHE was supervised by Helen Weatherly and Rita Faria.

CHE will host 5 students on placement this summer.

Andrea Manca has been appointed as member of the Technology Appraisal Committee of the National Institute for Health and Clinical Excellence for the next three years.

Conference and workshop presentations

In January, Mike Drummond attended a meeting in London of the CONSORT Group to discuss the reporting of quality of life data in clinical trials. At a conference in Milan in February on Sustaining and Implementing Universal Health Coverage: 4 Perspectives for 5 Continents, he spoke about: Assessing the Added Value of Health Technologies: Reconciling Different Perspectives.

Richard Cookson gave a talk on “Competition and equity – experience from the UK” at the TILEC-Tranzo conference “Does competition in healthcare harm solidarity?”, Tilburg, Netherlands, 26 January 2012.

Rowena Jacobs presented a paper (joint with Mason, Kim and Verzulli) on “Variations in efficiency in mental health services in the English NHS” at the World Psychiatric Association Conference in Granada, Spain, February 2012. She was also invited to give a talk to Medi-Clinic Southern Africa in Cape Town on “The economics of funding flows in the English NHS: Payment by Results (PbR)” in January 2012. She also gave a training session, joint with a psychiatrist, for The Retreat Hospital in York on “Payment by Results (PbR) for mental health services” in December 2011.

Andrew Street gave a talk on NHS Productivity to the Association of Clinical Pathologists, London on 23 February 2012 and was a course tutor on Patient Classification Systems International Winter School, Dublin; 12-16 March 2012.


New funding


Funder: the National Institute for Health, Research Service Delivery and Organisational Programme.

Courses

York expert workshops in the socio economic evaluation of medicines:

Quality of life workshop
Wednesday 27 June - Friday 29 June 2012

Foundations workshop
Monday 2 July - Friday 6 July 2012

Advanced workshop
Monday 9 July - Friday 13 July 2012

Introduction to measuring efficiency in public sector organisations: analytical techniques and policy:
Tuesday 16 October - Friday 19 October 2012

Further details: www

Latest CHE research papers

CHERP71 Estimating the costs of specialised care: updated analysis using data for 2009/10 - Silvio Daidone and Andrew Street

CHERP72 Keep it simple? predicting primary health care costs with measures of morbidity and multimorbidity - Samuel L Brilleman, Hugh Gravelle, Sandra Hollinghurst, Sarah Purdy, Chris Salisbury and Frank Windmeijer

CHERP73 Modelling individual patient hospital expenditure for general practice budgets - Hugh Gravelle, Mark Dusheiko, Steve Martin, Pete Smith, Nigel Rice and Jennifer Dixon

CHERP74 Analysing hospital variation in health outcome at the level of EQ-5D dimensions - Nils Gutacker, Chris Bojke, Silvio Daidone, Nancy Devlin and Andrew Street

CHERP75 Twenty years of using economic evaluations for reimbursement decisions. What have we achieved? - Michael Drummond

CHERP76 Productivity of the English National Health Service 2003-4 to 2009-10 - Chris Bojke, Adriana Castelli, Rosalind Goudie, Andrew Street and Padraic Ward

CHERP77 Coverage with evidence development, only in research, risk sharing or patient access scheme? A framework for coverage decisions - Simon Walker, Mark Sculpher, Karl Claxton and Steve Palmer

All CHE research papers can viewed online at our website: www

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